CLIMATE, VITAL STATISTICS, AND BENEVOLENT INSTITUTIONS OF INDIA

THE climate of India embraces all the varieties of temperature that prevail between the Equator and the ever frozen regions of the Himalaya Mountains, it is equally varied in its physical characteristics, configuration, aspect, surface, soi), and vegetable products

That the insolubrity of the climate generally, has been greatly exaggerated, will appear evident from the following statistical accounts, condensed from numerous returns, running over periods of twenty years, and chiefly from the actual statistics of the troops in India, collated and prepared by Colonel Sykes

The first class of documents which he refers to as authority, was drawn up by the military auditor general in Bombay, General Barr, with a view to determine the effect of the climate of Scinde upon the health of the troops employed in that province

The original returns of the first class, for the years 1842 3 and 1844, independently of the sickness, mortality, and invalding of the soldiers from the ages of twenty to fifty two, of every regument of the Bombay army, exhibit also all casualities from desertions, discharges, transfers, &c, together with the country and caste of every soldier, the station at which the regiment was located in each year, and the dates of arrival and departure A distinct return is made for the troops serving in Sonde

The total number of men in the Bombay army in the year 1842 was 32,727, and the deaths 1070, or 3 2 per cent per annum In 1843, the troops numbered 32,464, and the deaths 871, or 27 per cent In 1844, the numbers were 33,970, and the deaths 732, or 2 25 per cent, the deaths in all cases being inclusive of those from cholera The per centage mortality at each age shows that the maximum mortality was 6 25 per cent in the year 1842, at the age of fiftyone, while the two following years at that age gave respectively only 2 33 per cent and 2 44 per cent, the minimum at any age was 0 92 at the age of fifty, in the year 1844, while in the preceding years it was respectively 3 64 and 5 93 at that age The mean maximum was at the age of fifty-one, being 3 78 per cent, the mean minimum being 2 20 per cent at the age of thirty-seven In the mortality of the troops serving in Scinde, as distinguished from the mortality of the troops serving in other parts of the territory under the Bombay government, the per centage is struck at every age of life, and upon the average, and upon the averages for quinquennial periods of life At every age the mortality in these troops is found to be considerably enhanced, the mean maximum being 4 95 per cent between the ages of forty one to forty-five inclusive, the per centage for tl e ages fifty-one and fifty two being nearly the same, the mean minimum 3 64

ORIENTAL COMMERCE

between the ages of forty six and fifty inclusive, and the mean of the whole mortality of the troops serving in Scinde, 433 per cent

The mortality of the troops who did not serve in Scinde, shows that the maximum mean mortality was 3 12 per cent between the ages of forty six and fifty inclusive, the minimum 181 per cent between the ages of thirty-six and forty inclusive, and the mean mortality of all ages, for the whole period, is 1 97 per cent.

It is hence shown that the healthiness of the native troops of the Bombay army, serving ander their own presidency, is nearly equal, according to Colonel Tulloch, to that of the health of the British troops at Malta, 187, and superior to that of the British troops at Gibraltar, 220, and the health of the troops serving in Canada, 200 per cent, and far superior to the health of troops in the Iomian Islands, 283 per cent. It is shown, however, that where the mortality of the Bombay army is deduced from a lengthened period, it is very much less than 197 per cent. The mortality of the whole Bombay army, whether serving in Scinde or elsewhere, for three years, for every age, and for quinquennial periods of life, upon the accumulated totals of three years at each age, gives the mean maximum 325 per cent between the ages of forty six and fifty, inclusive, the mean minimum 263 per cent being twenty-one and twenty-five, inclusive of the effects of the climate of Scinde and the colora, the mean mortality is less than that of the royal troops in the Iomian Islands

With respect to the country and caste of the troops constituting the Bombay army, it will be sufficient to give the chief features

The Concan is the low land at the foot of the Ghâts, north and south of Bombay, and supplies a valuable class of Mahrattas as soldars? The Deccan is the Mahratta country above the Ghâts, and I am surprised to find so few of the troops from it Hindostan furnishes six-eighths of the whole army, the men being mostly Hindoos Of costes, the Hindoos are eleven to one of the Moosulmans, the low castes constitute about one eighth The Jews, although small in number, are valuable from their steadness and ability

	COUNTRY					CASTR							
Concara	Goograf.	Decens	Hindeo	Madras	Maleber	YEARS	Chris.	Jown	Moodul	Hindons	Caster	Parvees	
Ne 12,421	No 549	No 9 143	No 16,358	No 238	No. 447	1842.	No 328	No 327	No 1937	No 24,617	No 4417	No	
12 010	505	9 050	16,898	243	453	1643	810	824	290G	SH 738	4173	111	
21 949	501	2,027	17,368	206	404	1844	831	327	2993	26,034	4238	1 12	

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COMMERCIAL STATISTICS OF BRITISH INDIA

AGES	1849		1843		1844		TOTAL		
	Yosn of Laving	Deaths	Mean of Living	Deaths	Mean of Laving	Beaths	Mean of Living	Death	
	number	unmber	pumber	number.	nan ber	puml er	mumber	numbe	
21	1944	190	C 140	192	6 040	149	18,131	640	
2	2,965	44	8,634	67	2 959	45	6 761	195	
23 24 25	2 976	64 873	3 025	70 72 70 52	8 0 4 8	50	9 050	902	
24	\$ 157	74	2,796	72	9,856	71	8 109	217	
25	1 1983	60	2 240	70	2 320	42	6 549	178	
26	110	45	1725	52	1 765	24	4 945	121	
27	1 (42	29	1,334	28	1 407	38	3783	95	
26 27 28	62	45 29 39 13	8/5	28 93 94	897	38 25 16	2,154	121 95 90 52 49 25 29 43	
29	.20	19	610	94	618	16	1 778	62	
80	418	19	466	12	494	17	1,378	49	
31	379	9	349		366		1 094	25	
.42	510	13	302	19	386	- i	1 258	29	
33	63	13 91	4.7	8 12 11	494	10	1 643	49	
94	869	32	696	17	617	10	2103	57	
35	1 104	46	929	14	+25	25 20	2,958	80	
3/	1 01	34	924	18	053	20	2 892	80	
ã	1019	26	996	28	953 973	19	2 988	66	
39	894	35	879	H	838	34	2711	83	
39	68	35 90 35	721	10	736	21	3 225	1 60	
40	709		774	10 20	724	18	9 171	73	
41	544	11	738 586	18	630	10	1760	30	
49	1 8.3	ii	441	19	466	ii	1 430	10	
43	NIG		459	10	450	14	1428	61	
41	\$19 392	20	419	1 12	422	ii	1 233	29	
45	344	18	855	12 10 7 9 7	370	iö	1 069	1	
40	263	11	278	2	283	ă	1005		
47	263	12	203	1 4	230	7	844 669		
48	2//6	5	223	1 4	216	11	845	1 22	
49	374		137	6	149	2	480	1 19	
30	1 1/4		110	1 2	109	1 Ť	854	1 13	
51	135	a a	80	2	88		\$54	1 13	
02	233	8 6	243	8	247	8	745	80 60 83 39 40 51 38 37 38 37 23 23 12 12 13 10 17	
	32 797	1070	32,461	871	33,970	732	· · · · · · · · · · · · · · · · · · ·	i	

ABSOLUTE Mortality of the Bombay Army at every Age, from Age Twenty-one to Fifty two inclusive, for the Years 1842, 1843, and 1844

a o	Per Cents	ge of Mortals during th	ty in the Ben ic Years	abay Army	8	Per Centare of Mortahty in the Bombay Army during the Years					
v	1842	1843	1844	TOTAL	4	1849	1843	1844	TOTAL.		
	per cent	per cent.	per cent.	percent	1	per ceut	per cent.	per evat	per cont		
21	3 3 5	3 13	2 46	2,18	37	2.35	281	1.54	2 21		
22	2 63	2 37	1 52	2 24	38	3 92	150	3 63	3 08		
2.4	2 75	2 31	164	2 23	39	378	139	2 85	2 69		
24	3 61	\$ 58	2 48	2 47	40	4 94	271	2 4 9	3 36		
25	3 33	3 ()	1 181	2.2	1 41	8 03	3 07	1 1 10	123		
26	3.08	3 03	1 36	2 44	42	2 09	2 72	8 91	2 70		
47	2.0	211	2 50	9.51	1 43	5 0 1	218	8 34	3 17		
26	5-72	2 63	312	3 60	44	5 11	1 67	2 61	3 03		
29	9 31	3 44	8 47	2.12	45	5 23	2 54	371	3 40		
80	4.55	2 58	344	3 48	46	3 89	2.59	212	2 84		
31	2 37	3 13	2 19	2 28	47	5 13	3 11	305	3 77		
32	\$ 55	3 3 1	1 04	2 31	48	3 13	3 14	614	3 16		
33	3.04	2 41	2 03	1.50	49	2 31	3 52	131	2 49		
34	3.69	2.51	128	2 71	1.50	5 93	3 64	0-93	3 67		
35	4 19	1 94	2 71	3 61	1 51	6 25	2 3 3	2 14	1 3 8		
30	3 37	2.2	211	9.77	1 102	9 37	32	1 29	1 2 23		

Maria Maria I.	0		1010 1010	1 10//
MEAN Mortality per	Cent of the D	compay army for	1842, 1840,	ang 1844

GE	Living	Deaths.	Mortaisty	AGB	Living	Deaths	Mortality
	pumt er	number	per cept		number	number	per cont
21	18 131	546	2 9785	37	3 989	66	2 2081
42	8 61	190	9 2371	38	2,710	83	3 0627
3	9 0 50	202	\$ 2320	39	2 225	60	2 6966
44 (N 100	217	2 6760	40	212	73	3 3610
2	(543	176	3 7150	1 41	1 760	30	2 2100
1	4 14	191	2 4464	42	3 131	40	8 353
2	8 28	95	2 5) 12	43	1 420	51	3 5689
	43	90	3 660	44	1 34	38	30 14
	1 5	52	2 9240	1 45 1	1019	38	3 4612
49	1378	48	8 4633	48	844	84	2 8 436
31	1014	8	2 853	47 1	653	20	\$7.35
38 1	1 256	29	2 3652	48	645	23	3 5059
33	1 (43	42	\$ 5.43	49	481	12	2 1918
31	2 102	57	\$ 7117	50	314	13	3 6723
3.5	2 1/56	89	3 9/ 58	51	264	1 10	3 7 879
36	2 892	80	2.758	62	745	10	\$ 2810
	6 896	2061	{	1 1	31 041	619	

MORTALITY of Regiments of Bombay Army serving in Scinde, at each A	ige, with
Average for every Fifth Year	

AGES	POPULATION	AT BAC	HAGR	INPR	RIODS
доны		TOTAL	Mortality	TOTAL	Mortality
	fodmun	number	per cent	reducer	per cent.
	4740	364	5 502		•
	9.648	84	8 178		l
	3 049	109	3 379	668	4-179
	3.819	119	4 193		1
	0 335	\$6	4 199		ł
•	15,011	1	1		į
	1 783	67	3-757		}
5	1.476	00	4.059		{
	961	43	4-979	235	4-229
	724	85	4 834		}
	569	23	4 107		1
,	5 509	1			1
	480	37	3 499		
1	507	15	2 958		1
2	024	23	3 685	129	3 663
3	737	94	3 25g		1
	085	50	5.010		1
•	3,339	ł			
	940	46	4 592		
3	022	3 43	4 555		1
7	200	48	4 730	\$01	€ 873
	683	82	4 871		
9	667	- 28	3 697		}
2	4 123	1	~		ļ
	646	1 14	9 364		
1	316	13	2 458	1	1
3	379	24	6 451	94	4 05
8	825	18	5 572	l	1
1 5	981	25	8-697	}	1
2		ł]	1	
	223		\$60		1
, T	101	•	\$ 094		1
,	243	1 7	4 828	भ	3 644
,	09	3	8 030		ł
)	1 83	} 7	8 433		1
	741	ł	ļ l		J
	38	2	5-263		
2	103) .	4 554	7	4 964
•	141	ſ	1		
		((1 359	4 333
Torse,	31 363	1	ļ		

			DRA	тнв	
AGES	POPULATION	AT BAC	H AGB.	INPB	RIUDS
		TOTAL	Mortality	TOTAL	Mortality
	number	rədmuq	per cent.	number	per cent
1	13,384	376	2 062		}
2	0118	312	1-931		1
1	6 002	99	1 649	665	1 901
•	5 270	96	1 869		1
5	4 214 34 988	80	1 896		
1	8,163	54	1 707		ļ
1	2 305	35	1 518		
,	1 4 91	43	2*817	173	1-959
9	1 054	17	1 613		1
0	818 8,831	25	8 056		1
ι	608	6	1 316		
2	751	14	1 864		
3	1 610	19	1 864	113	1-977
4	1 365	33	2 417	l l	1
3	1 973 5,716	39	1 977		1
6	3 93%	34	1742		
7	2 067	24	1 162		1
9	3 801	40	2 291	161	1 810
	3 540	26	1 81 \$		1
0	1 505 8,865	35	2 326		1
1	1 214	25	2 059	1	
2	1 055	\$7	2 559	1	1
3 -	1 057	27	2.224	111	2 202
14	911	20	\$ 195		
15	765 5 025	13	1 523		
16	621	18	2 808		
17	498	22	4 418	ļ	1
18	500	16	3 200	71	3 125
IQ	382	9	9 356		1
0	271 2 272	6	2 214	ł	1
4	\$26	8	8 539		
.2	649	12	1 869	21	2 304
	869				<u> </u>
TOTAL.	66,565			1314	1 974

MORTALITY of Regiments of Bombay Army not in Sciude at all during the Years 1842, 1843, and 1844, for each Age, and with Averages for every Fifth Year

		DBITHS						
ACES	POPULATION	AT BAC	HAGB	IN PE	RIODS			
		Total	Moriality	TOTAL.	Mo talay			
	number	number	per cont	number	per cent			
1	28 131	549	2985		í .			
1	8 761	196	2-2371		1			
1	9 650	262	3 2320	1333	2 634			
1	8,109	217	6760		1			
	<u> </u>	179	* 180					
	4 946	121	2 446 1		j			
	3 783	95	2 5112		1			
	2 455	90	\$6°6)	400	~831			
0	1 778	52	2-146					
•	13 6 14 340	-46	3 1833	-				
	1 694	25	2 2852					
	1 239	29	2 30-2		1			
	1 613	43	2 5 5 63	242	2 673			
1	2,108	57	27117		1			
•	2 153 9 055	89	3 0068					
	2 802	\$0	2 -738		1			
1	2 959	6G	2 2091					
,	2710	80	3 0627	302	3 790			
)	9,925	60	2 6966					
i i	2,179 12 988	73	3 3610		(
	170	39	2 21 59					
	1 481	40	2 7953		1			
	1 429	51	3 3689	205	8961			
	1 234	38	3 0794		ļ			
	1 069 6,998	37	3 4613		}			
	814	24	2:8436		1			
	689	26	3736		1			
	645	23	3 3659	98	3 252			
•	481	12	8 1448					
	334 3,018	13	3-0723		1			
	264	10	3 7879					
	745 1 009	17	9-2819	27	2 676			
Total.	97 927			2573	\$ 729			

MOBILITY of the whole Bombay Army, whether Serving in Scinde or elsewhere, at every Age, and with Averages for every Fifth Lear

The maximum strength (5024) of European troops in Bengal was in 1844, the minimum strength in 1827 being 3793 men. The maximum admission into hospital was 11,202 in 1841, out of a strength of 4751, so that each soldier, on an average, was more than twice in hospital during the year, and some three times But I must disclaim any confidence in the admissions into hospitals as types of general sickness, for one soldier goes twelve times into hospital during the year, and in the total of admissions counts as twelve men, while another soldier remains in the hospital the whole twelve months, and counts only is one admission No statistical law, therefore, can be legitimately deduced from the mere totals of admissions into hospital The minimum admissions into hospital occurred in 1827, being only 927 out of a strength of 3793, so that not every fourth man went into hospital, although the mortality that year was great, amounting to 81 per cent, indeed, more than one-third of those who went into hospital died, and the invaliding in that year was 61 per cent The sum of the admissions in twenty years was 158,160, on a strength of 88,380 The maximum of deaths from ordinary causes occurred in 1825, being 539 from a strength of 4512, producing the maximum mortality, inclusive of cholera, of the twenty years, namely, 121 per cent, the invaliding of that year, however, being only 37 per cent The minimum of deaths from ordinary causes was 4 50 per cent in 1829, from a strength of 4466 The maximum of deaths from cholera occurred in 1843, being 107 from a strength of 5016, or 2 13 per cent of strength The absolute minimum number of deaths from cholera was in 1826, being twenty-three, or 0.53 per cent, but the minimum per centage of deaths upon strength was in 1830. when, although forty two died from cholera, the per centage upon strength was only 0.24 Of the invaliding, I will speak not of the absolute numbers, but of the per centage only

The maximum per centage of ordinary deaths occurred in 1825, when it amounted to 11 91 per cent, cholera adding only a half per cent to it, the minimum was in 1829, amounting to 45 per cent The maximum from cholera was in 1848, amounting to 213 per cent, and the minimum in 1830, being 0.24 per cent The maximum of deaths from all causes was $10\frac{1}{2}$ per cent in 1820, and the minimum 5.16 in 1829. The greatest invaliding was 6.7 per cent in 1826, and the least 17 only in 1835. The mean of the ordinary deaths to the strength, for twenty years, was 6.23 per cent, from cholera only 1.15 per cent, from all causes 7.38 per cent, and the mean annual invaliding 3.6 per cent, so that, including mortality and invaliding, a regiment would be innewed in less than ten years

The native troops of the Bengal army having served, for the most part in the same territories with the Europeans noticed above, it will be light, for the sake of comparison, to take them in succession The maximum strength of the army was in 1825, amounting to 152,843 men; the minimum strength was m 1832, when the army was reduced to 78,846 men The maximum admissions into hospital occurred in 1842, being 98,936 men out of a strength of 113,020, men, and it is remarked that the three greatest admissions are in the consecutive years 1842, 1843, and 1844, and were the details available at the present moment, I strongly believe that this apparently very unusual sickly state of the native army would be found to have originated in Seinde having been occupied by a portion of the Bengal army jointly with the Bombay troops during those years. Indeed, there is a sudden advance in the numbers who entered the hospitals from 42,632 in 1839, at the period of our entering Scinde, to 76,917 in 1840, when we were vitually masters of the province. The maxima of admissions both of Europeans and natives, are nearly coincident in time, but in no single year in the worst seasons. has it occurred to the native army to average an admission of each native soldier into hospital during the year The minimum of admissions was 30,903 in 1827, out of a strength of 130,313, so that less than every fourth man entered the hospital during the year Here then is an absolute coincidence in time with the European minimum admissions, and it would be well could we trace the peculiar atmospherical causes of this remarkable absence of disease ; but of this I fear there is not any hope The sum of the admissions for twenty years was 1,100,735 from a strength of 2,046,425, so that the average admission was for each soldier one admission in two years

The maximum number of deaths from ordinary causes took place in 1825, being 2651, but this number does not indicate the maximum per centage of mortality The minimum 950, was in 1837, but does not indicate the minimum per centage of mortality The maximum deaths from cholera was 361 in 1843, and the minimum 136 in 1840 The total deaths from cholera in twenty years was only 4466 The greatest invaliding took place in 1829, being 5070, and the smallest, 594, in 1835, the maximum per centage of ordinary deaths 238 in 1834, and the minimum 1 04 in 1843, and yet this, excepting 1833, was the maximum cholera year, 0.31 The minimum of cholera was in 1831, amounting to only 0.02 per cent of strength The average mortality from ordinary causes for twenty years, was 1 57, and from cholera only 0.22, and from both causes 179 per cent The invaliding was singularly small, the maximum heing 4.7 per cent in 1829, the minimum 0.6 in 1825-6 and 1827, and the mean for twenty years 1.5

The following are the castes in the Bengal native infantry, composed of seventy-four regiments -

Christians	Mahomedans	Brahmins	Rajposts	Hindoor of Inferior Description	GRAND TOTAL
number	number	24 849	number	pumber	m ml-er
1076	12 42 1		97,058	13,920	80 249

So that the Hindoos, almost universally non-consumers of animal food, con-

stitute above eighty three per cent of the whole infantry The castes of the Bengal native cavalry are not specified in the returns

The Madras army follows next in order , but scaleely any part of it served in the same 'ocalities with the Bengal troops The maximum strength was 6083 m 1842, and the minimum 4350 in 1825 The maximum admission into hospital was 8134 out of a strength of 4481, so that each soldier, on the average, was received about twice into the hospital during the year The minimum admission was 5234, in 1832, from a strength of 5019, the average being rather more than an admission for each soldier during the year The maximum of deaths 455, as with the Bengal Europeans, took place in 1825, and the minimum was ninetyseven, in 1838, in which the deaths from all causes were only 2 12 per cent, the European troops for that year being nearly as healthy as if in their native land The maximum of deaths by cholera was sixty, in the year 1825, and the minimum only one, in the years 1835 and 1836 The greatest invaliding was 159, in 1826, and the least thirty four, in 1828 The maximum per centage of deaths from ordinary causes was 10 46, in 1825, and the minimum 1 97, in the years 1838 and 1844 The maximum per centage from cholera was 1 38, in 1825, and the minimum 0.02, in the years 1835 and 1836 The maximum per centage of deaths, inclusive of cholera, was 11 84, in 1825, and the minimum 2 12, in the years 1835 and 1838 The maximum invaliding was 3 47 in 1826, probably consequent upon the sickness of the pieceding year, and the minimum invaliding was only 0.65 in 1828 The sum of the admissions into hospital for twenty years was 135,720, from a strength of 101,210, showing a considerably greater degree of healthiness, as far as admissions are a test, than in the European troops of Bengal The total number of ordinary deaths was 3460, from cholera 432, inva liding 2101 The mean annual per centage mortality of ordinary deaths for twenty years was 3419, from cholera only 0 427, instead of 1 15, as in the Bengal Europeans, and the mean annual per centage of deaths from all causes was 3 85. instead of 7 38, as in Bengal The mean invaliding was 2 07 per cent The mortality and invaliding combined are less than six per cent per annum, so that a regiment would only be renewed in about seventcen years instead of ten, as in Bengal The remarkable discrepancy between the healthiness of the European troops in the Madras territories and those of Bengal needs explanation Whither it originates in physical or moral causes, whether in the atmosphere or the habits and treatment of the men, should be questions for grave investigation

The maximum strength of the native army of Madras, was 71,488 in 1826, and the minimum strength 48,571 in 1837

The mortality from all causes was 2 09, being greater than in Bengal The invaliding was 1 96 per cent per annum

	CAVALRY							INFANTRI							
183	-5	383	8-0	183	J-40	184	1-2	18	r-8	152	18-9	169	o-40	184	0-1
surumusoom No 52 7	T 20 Othor Dastes.	Acomimans	تشه	L Rosalmans.	E Z Other Castes	A Mooulman	- 6 % Other Castes	T 68 Moosulmans	Til of Other Center	No No 16 498	ti 24 y Other Castes	<u> </u>	t 87 Other Castes	- [a Mooulmans	ž 3 0 ther Caster

CASTES of the Madras Troops

The maximum strength of the European troops of the Bombay army was 5022 in 1843, and the minimum 1727 in 1826 The maximum admissions into hospital was 6266 from a strength of 3667, but in 1837 the admissions were three times the strength The minimum admissions were 1284 in 1841, from a strength of 3479, so that little more than one third of the men entered the sick lists. The greatest absolute number of deaths from ordinary causes was 270 m 1843, giving a per centage of 5 37, which, however, was little more than half the per centage in 1826, when only 179 died The minimum of deaths was forty six in 1832, giving also the minimum per centage 1 89, during twenty years The largest number of deaths from cholera was ninety in 1842, giving also the greatest per centage of loss from that fearful disease, namely, 191 per cent In the year 1835 there was not a single death from cholera, but this was the only exception in twenty years, although there were eleven years in which the annual loss from cholera only varied from two to eight The maximum per centage of ordinary deaths was 10 36 in 1826, and the least 1 89 per cent in 1832 The greatest and least loss from cholera have been already stated The maximum loss, cholera inclusive, was 11 52 per cent in 1826, and the minimum 2 43 per cent in the years 1830 and 1832, the greatest invaliding was 5.34 in 1831, and the least 0.09 m 1834 The sum of the strength for twenty years was 50.997, the sum of admission into hospital 88,720 The total deaths from ordinary cruses 2301, and from cholera 288 The mean per centage deaths from ordinary causes for twenty years was 4 51, from cholera 0 56, and from all causes 5 07 per cent, the mean invaliding 3 16 per cent The mortality and invaliding combined are more than eight per cent, so that a regiment would be renewed in about twelve year-Comparing the mortality of the European troops of the three presidencies, we find that Bengal loses the greatest number from ordinary causes, 6 23, and from cholera I 15 per cent,-total, 7 38 per cent, Madras loses the least from ordinary causes, 342 per cent, and from cholera 043,-total, 385 per cent, about the half of that of Bengal The loss at Bombay, 5 07 per cent, is somewhat more than at Madras The mean loss of the European troops of all the presidencies

18 4 68 per cent from ordinary causes, 072 per cent from cholera, and from all causes 5 41 per cent, the mean invaliding 2 88 per cent

The maximum strength of the native army of Bombay was 49,873 in 1844 . the minimum, 25,782 in 1833 The maximum admissions into hospital were 49,418 m 1844, from a strength of 49,873, so that on the average nearly every soldier passed through the hospital, a most unusual circumstance for the native army, and this characterises the returns for 1839, the year the Bombay troops occupied Scinde The minimum of admissions was 20,652 in 1833, from a strength of 25,782 The greatest absolute number of deaths, exclusive of the mortality of the troops in Scinde, which is not given for the years 1842, 1843. and 1844, from ordinary causes was 595 in 1844, or 1 19 per cent, but this does not give the greatest per centage of deaths, which, with 536 absolute deaths in 1839, gave a per centage of 1 87, the minimum of deaths was 111 in 1843, not including the deaths in Scinde The greatest number of deaths from cholera was 237 in 1825, and the next year had the next greatest number, 183 Indeed. these two years appear to have been peculiarly fatal throughout India for Europeans and natives, both in ordinary diseases and cholera The maximum invaliding was 2507 in 1830, giving the maximum per centage 8 08 for twenty years, the smallest number was 448 in the next year The maximum per centage of deaths from ordinary causes was 187 in 1839, and least 0.35 per cent The maximum from cholera was, at the worst, little more than a half per cent, 058 in 1825, and the least was 0 007 in 1836, there being only two deaths in the whole army of 28,458 men The maximum per centage of deaths, cholera inclusive, was 2.38 in 1839, but, with this exception, the two next greatest maxima were in the years 1825 and 1826 The minimum was 0.69 per cent in 1843 for a part of the army The sum of the strength was 638 978, the sum of admissions into hospital 586,047 The total number of deaths from ordinary causes 6455, from cholera 1796, the invaliding 21,155 The mean per centage of deaths from ordinary causes, for twenty years, was 101 per cent, from cholera 0.28, and deaths, inclusive of cholers, 1.29 per cent, mean invaliding 3.31 per cent

Comparing the mortality of the native troops of the different armies, we find that those of Bombay not serving in Scinde, suffer least from oidinary causes, 1 01 per cent, while those of Bengal and Madras lose respectively 1 57 and 1 51 per cent. With respect to cholera, Bengal suffers least with the native troops, 0 22, though most with the European, 1 15 per cent Bombay loses only 0 28 per cent from cholera, while Madras loses more than double, 0 58 In the mortality from all causes, inclusive of cholera, Bombay suffers least, 1 29 per cent, Madras most, 2 09 per cent, and Bengal is intermediate, 1 79 per cent The invaliding is greatest in, Bombay 3 31, and least in Bengal, 1 50 per cent

ORIENTAL COMMERCE

The mean mortality for twenty years, for all the native troops of India, from ordinary causes, is 1.46 per cent, from cholera 0.34, and cholera inclusive, it is 1.80 per cent. The mean invaliding for all the native troops of India is 1.93 per cent

							·		
YZARS	Average	Admissions into Hospital during the Lear	Deaths from ordinary Gauzes	Desths by Cholera	In boular	Ratio per cent of Ordipary Deaths to Strength.	Ratio per cent of Deaths by Cholera to Strength	Ratio per sent of Deaths generally to Strength	Ratin per cent of Number Invalided to Strength
	number	number	number	number	aumber	Der rept.	per cent	per cent	per cent
1825	4 512	038	039	2.5	107	11 94	0 558	12 55	37
1820	4 357	6,861	265	23	295	6.03	0.53	6 60	67
1827	2 793	027	291	84	248	7 66	0 90	8 564	65
1528	4 177	7 06	220	26	217	3.01	6.62	6.03	52
1829	4 456	9 0 2 9	201	\$9	205	4 101	0 659	516	4.6
1630	4 550	8,199	239	48	202	5.25	0.24	619	44
1831	4 737	7 064	\$74	38 47	154	5 7 5 2	0.80	6 5 3 5	3.3
1832	4 342	7 066	228	47	108	5.25	1 1 08	6.83	24
1833	4,220	6 979	973	51	85	0 44	1 201	7 654	2.3
1834	3,906	8,738	265	63	76	7 48	1 05	914	2.0
1833	1 084	7 583	\$70	48	70	6.61	1 17	178	1.7
1836	4 150	7 516	210	43	89	4 93	1 01	5 94	20
1837	4 924	6,171	216	89	129	4 991	0.90	6.8.8	30
1838	4 308	8,514	281	76	143	6.53	1 74	8 27	34
1839	4 098	6 149	234	65 57	113	6 19	1 384	1 76	27
1940	4 754	9 76	286		238	6 01	1 07	7 08	50
1811	4,751	11 202	287 245	81	220	6.04	1 186	7 394	4.6
1642 1843	4 777 5 016	9 339		107	147	6 23 6 94	9 13	7 23	80
1844	5 034	8 929	298 296	67	159	5,6	1 79	7 435	8.8 3.0
1944	5034	8 929	=90	6/	100	910	1 1 1 1 2 2	1.03	3.0
TOTAL.	68,380	158 160	5510	1021	3297	623	1 15	7 38	36

EUROPEANS -Bengal Prendency

NATIVES -Bengal

' BARS	Average Strength.	Admissions into Hos pical during the Year	Deaibs from Or dingry Causes	Deaths by Choiera.	In valided	Ratio per cent of Ordinary Deaths to Strength	Rate per cent of Deaths by Cholera to Strength	Ratio per cent of Denths gener lly to Strength	Ratio per cent of Number Invalided to Strength
	number	number	number	number	number	per cent.	DEL CODE	per cent	per cent
1825	152,943	33 191	2,651	216	938	173	0.14	1 87	9.6
18/6	149 399	58 753	3 45	189	951	1 18	0 12	1.30	06
1827	13 313	30,003	1 643	1 337	847	1 2G	010	1 36	0.6
1828	110 797	81 425	3 742	199	\$ 259	1 45	0 16	1 62	38
192.)	105,352	40 355	1 622	158	5,070	1 62	0 24	1 1 07	47
1830	93,628	47 139	1 648	236	8 445	1781	0 252	2.)34	3.6
1831	83,748	89 155	1 535	181	1 413	1 63	0 091	2.15	16
1833	75 846	40 618	1 315	1 231	1 323	1 66	0 291	1,20	16
1633	79 703	38 143	1 039	2.0	1 049	86.4	0.37	2 39	13
1934	70 433	63,805	1 687	243	2,048	2 38	0 30	2.63	1 25
1835	79 042	53 544	1 244	217	594	1 37	0 27	1 84	1 97
1836	79 93 1	3/118	1 4 3 9	223	922	178	023	2 01 1	
1837	80 634	3 (%0	950	(18)	945	117	0 23	1 401	
1838	82 612	06 354	1 652	187	11.8	2 03	0.92	9 25	1 14
1839	94 365	48 632	1 893	249	602	2 00.	0.0}	9. 14	0.8
1840	102 37	74,917	11)3	136	1 334	116	012	1 20	13
1841	105 783	73,636	141	291	1 109	1 13	021	1.604	1 11
1842	113 020	98,936	1 897	259	1 1 1 56	1.60	0 21	18.4	
1913	114 798	95 323	1 605	361	1 438	3.04	0.31	174	1.8
1844	121 091	91,751	1418	329	1 4 5 5	1 17	0.37	14	11
TOTAL	2,046,425	1 100 735	39 170	4 469	30 443	1.57	0.23	1 170	1.5

¥ EARS	Ar rage Stren D	telmissions into H pirat et ri 6 ti e Year	Deaths f m Or hnary Causes	Deaths 1 y Cholera	lu valided	Ratio per cent of Ordinary Dc the to Str ngth	Ratin per u of Deaths by C of ra to Strength	Ratio per cent of Donthy c erilly to Streppth	Rate pr fate Noter Ludid d to Streegth
	n mber	pug ber	nunlr	number	pumber	per cent	per out t.	per (cut	per cent
18 3	4 3 50	7 84 3	455	60	108	10 459	1 379	11 830	9 482
16 3	4 18	7 105	321	11	150	7 0 18	0 241	7 1 19	3 4 3
18 7	4.782	5 435	237	6	97	5 58	0 120	520	1.147
1 28	\$ 210	714.J	229	13	24	4 390	0 249	4 633	0 651
1629	1,007	7 181	119	3	334	3 035	0 059	3 005	\$ 276
1830	8215	C 300	140	32	124	2 659	0 607	3 266	2 355
1831	1325	5 86	198	41	120	3 718	0 769	4 498	2 13
3632	5019	6,134	241	3)	76	2 8 6 9	0 777	3 556	1 314
1833	4 739	7 258	167	48	81	3 528	1 012	4 536	1 709
1834	4 481	8134 1	158	2	85	8 525	0 044	3 570	1 896
1835	4 749	699L İ	160	1	84	2 105	0.021	2 126	1 768
18 6	4 574	5, 77	209	1	95	2 361	0.021	2 383	2 0 6
183	4 645	3 369	148	19	122	3 1BG	0 409	3 595	2 626
1634	4 901	5 371	97	7	69	1 979	0 142	3 1 2 2	1 407
183+	4198	6,332	102	27	125	2 172	0 574	2 7 47	2 683
1840	6 045	750 1	139	26	134	2 755	0 515	3 270	2 656
1841	5 785	8 00 9	145	8	132	2 505	0 086	2 592	2 281
1642	6,083	8 (999	160	41	130	2 630	0 674	3 304	2 1 17
1643	S #37	6 06	127	33	121	2 146	0 819	2 366	\$ 044
1844	5,683	5744	116	37	90	1 971	0 625	2 600	1 599
TOTAL	101 910	1357 0	3460	432	2101	8 419	0 427	3 840	2 070

EUROPEANS -Madras Presidency

NATIVE TROOPS - Madras

3 EARS	t rage Surngth	Admissions into Hos pital during the Year	Deaths from Or linary Causes	Deaths by Cho ers	In valided	Ratio per c pt of Ordinary Deaths to Strength	Ratio per c at of Drains by Chole a to Strength	Ratio per cent of Diaths ge e lly to St ength	Ratio per cent of Number Is aiitet to Stre glu
	n General I	ug br	nu uber	number	nun ber	perce t	Fer c nt	presut	per cent
182	61 947	73 2 3	1 8.7	7.52	2 183	3 062	1 276	4 340	8 362
15.6	71 449	71 637	1 801	2.14	2 666	2 519	0 111	2.)30	2 867
17	6, 055	53 043	109	283	6.8	1 62	0 400	1 972	0 952
1528	64 3 %	40 848	61	365	3 499	1 (6)	0 571	1 7 \3	23.7
18 9	51653	82 982	628	913	970	1 0 4 9	0 3 1 5	1403	100
1830	55 1	30 45	543	126	131	1 077	0 122	1 250	2 137
1631	50-11	20 (46	540	91	1153	1 071	0 537	1 109	2 06
183	8450	33,453	636	333	668	1.05%	0 5/2	1 657	1 142
11 13	41110	85 J15	775	39	64.3	1 501	1 1100	2727	1 147
1134	49.504	1 504	978	58	3.4	198	0 117	2 069	0 673
1b	49 (5	41 007	721	2	83G	1 4/9	0.001	113	1 703
18	44 20	2 309	1 206	27	342	245	0.055	2 \30	0 01
1837	44 71	36, 113	C.(8	351	1 220	1 137	0722	21.0	511
IR3R	45 30	37 1.00	710	50	1 127	1 451	10.5	247	2.16
1633	51 76	43713	651	249	1 305	1 266	0 140	1746	254
\$840	60 769	4 451	687	122	1 6 54	1 1 3 1	0 200	312	
1841	61 3 56	44 447	813	241	1112	1 279	0 379	1 659	1749
184	63 5 4	53 17 2	1146	741	3 841	1 80 2	1 165	2 (3)	27.14
1843	01 135	4 08	841	103	1 536	1 201	1 3 95	2 (76	210
1841	64 482	46 599	939	519	64	115	0.404	4. 61	1 164
T TAL	11362 12	60132	18 (45	6 970	3 479	1 512	0.083	2 093	1 FG3

ORIENTAL COMMERCE

RETURN to an Order of the House of Commons dated 16th of June, 1845, showing the Sickness, Mortality, and Invalding, in the Honourable Last India Company's Trops (Natives and Europeans), in the Bombay Presidency, from the Year 1825 to 1844, in clusive — Bombay, 17th of July, 1846

YBARS	Average Strength	Adn 1 ston into Hospi tals daring the Year	Deaths fom Ordinary Causes	Deaths from Cholern	Invalida	Rat a per ce t of Or dupary Deaths to Strength	Ratio per cent of Cl 1 12 Destity to Strength	Ratio per cent of Deaths ge nerally to Strength	Ratio jer cont of Number In alided
	number	n mbar	number	number	uun ler	pir cent	per cent	pp sent	per cent.
1823	1925	1 308	68	1	. ж	4 564	0.2	4 616	2 .04
18 C	1 727	4 / 64	179	20	85	10 364	1 158	1 1 28	3 164
16:27	كلغا	4 77	214	5	اد ا	0 1	214	- 145	4 402
1648	2 227	6 178	147	13	111	6 600	554	7 184	5 172
18 9	2 210	0,418	105	1	118	4 / 38	0.45	4 83	5 324
1530	1 676	4 201	61	2	85	2 407	0.77	2 444	3 299
3831	2 243	4 287	13	4	120	3 344	1.6	3 59	5 349
1832	2,424	6,451	1 46	13	35	1897	530	2 133	1 443
1633	2 285	5 111	68	8 2 0	103	2.970	3 10	310	4.607
1634	2,151	4719	74	3	2	3 4 10	098	3 233	0 097
1835	1 990	4 716	62	0	82	4673	0	4 628	4120
1836	2 907	4 891	55	1	19	3 053	053	6150	0.996
3837	1,861	5 536	101	12	(9I	5 428	644	6 072	4 889
1838	2,166	4 425	87	7	40	3833	300	4 1 4 8	1 15
1839	2 0-18	8157	134	81	60	6.50	1 517	B 075	2 936
1810	2 374	8 606	123	24	62	53,98	1 010	6 10%	2 610
1841	3,479	1 364	(92 j	4	77	2 (15	115	2 730	⁴ 213
1542	4 00	2 039	163	90	121	3 506	1 912	5 418	251
1843	\$ 622	4 607	\$70	2	201	\$ \$76	039	. 415	4 002
1844	3 : 67	6 266	190	48	80	1344	1 809	r 653	2 191
TOTAL	50 987	89 720	2,301	288	1611	4 1/3	365	3 078	3 160
Bon bay	50,987	89 720	9,301	288	1611	4 513	565	5 678	3 160
B nyai	88 380	158 160	5,519	1621	3227	(23)	1 15	7 38	30
Musiros	101 210	135 7 20	3 450	432	5103	3 419	0 427	3 846	2 076
	840,577	362 600	11 271	1741	6939	4 683	724	5 409	2 854

EUROPEANS -Bombay

NATIVES -Bombay

YEARS	Average Strungth	Admission into Hospi tald ug the Year	Deaths f ons Ordinary Causes	Deaths frem Choicra	Invalide	Ratio per cent of Or dinary Deatis to Strength	Ratio per cent of Deaths by Cholera to Strength	Ratio per cent of Di ths g nerally to Strength	Ratio of Number In Valided
	number	1 uml cr	number	number	pamler	number	number	number	ուտ եւ
1825	40 711 .	31041	485	237	556	1 191	(16	1 73	1304
1525	89 410 /	37 161	542	183	740	1 339	464	1.503	1 \$77
15-27	3 090	3063	470	33	664	1 16	0.4	1 1 302	205
1418	87 0.19	28 460	393	85	1 1 465	862	225	1 067	3~80
1549	3320	32 617	316	21	1 1.52	950	663	1 013	5 49
1830	81 004	28 537	339	512	2,507	1 093	50 jul	14.54	8 181
1 31	31 178	2 300	197	46	4.18	632	147	0	1 130
1832	28 d81	23 271	175	63	8(0	610	(*219	549	3 462
1+33	26 762	20.03	342	116	714	551	449	1 000	2769
1614	21 740	24 350	125	96	1 381	467	319	5.20	5 264
1875	241724	2 21	216	28	802	1032	097	1 1 4 9	3" 104
1 10	21 138	24 223	275	3	1 150	967	00*	94	4 043
1817	8H 248	21 × 58	226	113	790	800	400	1 00	2 780
16.18	26168	205	26	12	984	1 055	477	3 54	3762
J hau	28 677	30 104	36	148	687	1869	\$16	4 385	2.382
1640	96-464	2410	34.4	131	826	1 236	4./5	1 11	3 25
1841	30 (39	91 035	373	94	-83	1 210	878	3 194	9,5%0
1412	23 432	36,105	302	158	1224	1 143	5P8	1 41	4 633
11:43	31 845	2850	111	109	1 435	349	343	611	4 507
•1911	49 673	4 418	595	79	692	1 193	158	1,351	1788
10741	634 75	180.017	6 455	1700	21 159	1 010	281	1 992	3 31}
Bomlay	638 975	386,047	6,455	1746	21 155	1 010	261	1 291	3 311
RILLOF	2011 425	1 100,735	32 120	4 488	30 143	1.57	23	3 1	3.6
Madras	1 106 260	204 325	19 088	6,976	23 479	2.519	383	205	1 963
1	8 851 660	2 591 107	50,713	13 260	7. 077	1 461	342	1 603	1 934

* The returns of the sickness and mortality of it e troops in Scande are incompl to for there y are

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Invalid Pension Establishments - The third portion of this paper contains tatements of the transfers to, and casualties on, the invalid pension establishments, of the average length of service before transfer, average age at the time of decease, and number of years each grade remained on the pension list, for the vears 1843-4 and 1844-5 for Bengal, and for Madras for the yeus 1842-3 and 1843-4 These returns confirm, in a remarkable manner, the general healthiness of natives serving in the army in India, and as such are efficient auxiliaries to the deductions respecting the value of life furnished by the mortality returns of the effective troops

The headings of the columns are -Number of Transfers,-Avcrage Service before Transfer,-Number of Casualties,-Rate per Cent of Casualties on the whole Establishment,-Average Age at the time of Decease,-and, finally, Average number of Years in the Pension Establishment And every rank on the pension list, from the subedar, or native captain, down to the groom and the grass-cutter, come under these several headings The total number of transfers, of all lanks, to the pension establishments in 1843-4 in Bengal was 1340, and in 1844-5 the number was 1583, in the former year seventy eight subedars or native captains, in the latter 126, the average period of service before pensioning of these officers being forty three years and five months and forty one years and cleven months respectively The number that died in 1843-4, out of the whole number of subedars, was seventy nine, and in 1844-5 it was seventy, and the average age of these parties at the time of their death was seventy two eleventwelfth years and sixty-nine one-sixth years respectively, and they had averaged thirteen five-twelfths and twelve one-sixth years respectively on the pension list before decease Details are given for the several ranks, ten in number, the sepoy. or common soldier, in 1844-5 averaged about twenty years' service before invaliding (the non-commissioned ranks much longer), the average age at the time of decease being fifty two five-sixths years, having been eleven and a quarter years on the pension list The average per centage casualties on the whole pension establishment for 1843-4 was 4 29 per cent, and for 1844-5 it was 3 57 per cent A continuation of the return gives the total numbers on the pension establishment, the family pension establishment, and the wound pension establishment, of every rank, remaining on the 30th of April of each year, together with the casualties, &c , during the year The total number on the invalid pension establishment, of all ianks, on the 30th of April, 1844, was 24,643, on the family pension establishment 5526, and on the wound pension establishment 250 On the 30th of April, 1845, the numbers on these several establishments were respectively 25,289, 8116, and 338

YBARS	Value	Value
1840-41 1841-42 1812-43	Tupres JR 35 518 18 89 045 1 92 462	£ 183 554 188,904 179 345
1847-48 1844-40	10 26 390	199 680 200, 112

The annual expense of the native pensioners in Bengal was in

The Madras return of the pension establishment of the Madras army is of a similar character with the preceding, but it is for the years 1842-3 and 1843-4. The number of deaths of subdars in those years was fifty-one and fifty respectively, having served previously to invaliding $37\frac{1}{4}$ years, their average ages at the time of death being $62\frac{1}{4}$ and axity-eight for the several years, and having been on the pension list $10\frac{1}{4}$ and $11\frac{1}{4}$ years before death. The average per centage of annual deaths of the whole pension list for the years 1842-3 and 1843-4 was 587 and 571 respectively, showing, as in the mortality of the effective troops, a considerable increase over the mortality of the native troops of the Bengal and Bombay armies. The average period of service of the severity three years and $3\frac{1}{4}$ months for 1843-4, the average age of 776 deaths for this year was fifty-six years, but for the preceding year it is stated to be seventy three years of 774 deaths—probably a graphical error

The number of military pensioners, of all classes, in 1843-4 was 26241, and the charge for them 19,75,457 rupees, or 187,5457 stering In 1844-5 the number was 26,902, and the charge 18,98,066 rupees, or 189,8061 On the 30th of April, 1845, the number was 27,959, and the charge 20,45,449 rupees, or 204,5491 The progress from the years 1834-5 has been from 23,900 pensioners, at a charge of 17,93,158 rupees, or 179,3151 to the number and charge above stated in 1845

Colonel Sykes very properly observes, that the production of such elaborate documents as those he has handled indicates no ordinary efficiency in the depart ments in India whence they emanate

"I now venture upon some reflections suggested by the tabular statements. I am so much of an utilitarian, that I am disposed to view labour, bolk mental and physical, that has not some practical object-some definite view-asome proximate or remote applied ability to the use of the community or to individuals—as labour lost, or, at the least, mis applied and now, on the conclusion of my tois, I am induced to exclain, as I have done on former occasions, 'Cui bono?" Happily the question can be answered stuticatorily independently of the mass of important facts which the official returns embody, the vital statistics of the Bombay army at each year of hie, from twenty of tables of input of the mass of important facts which the official returns embody, the vital statistics of the Bombay army at each year of hie, from their good of native hie in India, and give to the hife insurer positive data for the calculation of tables of the value of hife, which tables may justify the untraduction of the instrument at every low premuma, amongst the paties of lables of the visiting I belines alimost unhereded and searcely acted upon, or, if acted upon only to an exceedingly limited extent, from the ignorrance of the value of native hie conclusions of value of hies averance at very low premiums, amongs the matrixes of holds, a system if existing I belines alimost unhereded and searcely acted upon, or, if acted upon only to an existing the tables of the value of native hie conclusions of the value of native hies conclusions of the value of native hies conclusions of the value of native hies conclusion hies the

exaction of high premiums. It, therefore, the publication and diffusion of these mortality returns should octasion an extension of the system of the assurance amongst the natives, it would conter a blessing upon that portion of the community who have their salaries only as servants of the state, or of mercantile establishments, as a means of support and of providing for their families. With respect to the mortality of the Bombay army, it is ob erved th it the mortality amongst the troops serving in Scinde is double that of the troops not serving in Scinde Neetibeless, in spite of this disadvantageous errcumstance the mortality is remarkably small for the troopies, as compared with that of similar ages in Europe."

It would appear that an examination of the gross mortality in England and Wales, between the ages of twenty one and fifty two, shows that it is coincident with the specific mortality at age thirty nine, and assuming that such will be the case in the other tables referred to in this paper, we are led to the following conclusion that during the three years 1842, 1843, and 1844, the mortality of the whole Bombay native army, including that in Scinde, was 2 729 per cent, being somewhat greater than that for the city of Glasgow at age thirty-nine, which is 2 413 per cent. Again, the mortality of that portion of the Bombay army, which had been in Scinde, being 4 333 per cent, is more than double the mortality of the Northampton table, but not quite double that of the city of Glasgow at the same ages But if the mortality of that portion of the army which had not been in Scinde during those three years be taken, it will be found to be only 1 974 per cent, being nearly coincident with the mortality for France, and below that of the Northampton table or the city of Glasgow In connexion with this conclusion. however, it is necessary to take into view mother fact. In the two years, 1842.3, the following six regiments were in Scinde, but were not there during the year 1844 * During the latter year the mean strength of these regiments was 5557, and the deaths 238, or 4 283 per cent, differing very little from the average mortality of the regiments in Scinde It is thus seen that the mortality of the native army said to be out of Scinde is increased from including regiments just returned from that province, and hence it follows, that in order to arrive at the true moitality of the native army of Bombay, exclusive of those in Scinde, some correction will be necessary During the year 1844 the average strength of the regiments actually out of Scinde was 25,265, and the deaths 566, or about 2 248 per cent If from this be deducted the six regiments returned from Scinde in the year preceding the mean strength of the residue will be 19,708, the deaths 328, giving a reduced mortality of 1 664 per cent So that the influence of those regiments just returned from Scinde was to increase the rate of mortality during the year 1844, 584 per cent I am not possessed of the information at this moment to show what regiments in the year 1842 had returned from Scinde during the preceding year, but if it be allowed that other years will be similarly affected as

• Flurd r $_{\rm c}$ incont light cavalry 1st or grenadic r regiment 6th 15th; 20th and 21st regimen a native infinity

the above, in order to determine the true mortality of those regiments which have never entered Stinde, it will be necessary to deduct from the results 584 per cent If this be done, the mortality of the Bombay native army will be only 1 390 per cent, approaching nearly to the mortality for Ireland and Sweden, not widely different from the mortality for the male population of England and Wales, and under the mortality of Dandee, France, the Northampton table, and the city of Glasgow. This most important and interesting result deduced from the mortality at specific ages during the yeurs 1842, 1843, and 1844, is confirmed by the gross mortality over a period of twenty years, as already alluded to, and from which it appears that the mortality in that period was not more than 1 291 per cent

It will be found that it age twenty-one the expression is 24 534 years for the whole army, for that portion in Scinde only 16 477 years, but for the residue, or that section which had not bren in Scinde during those three years, it is 30 697 years, while for the city of Glasgow it is 29 423, being upwards of one year and a quarter in favour of the native army. The same expression for the male population of England and Wales is 43 410 years

Again, the equation of life, for which the probability of surviving two to one, and at age thirty will be seen to be 14 307 for the whole army, only 9 484 for Scinde, and for the residue as much as 18 247 years The same term for Glasgow is 16 969 years, and for England and Wales 27 699

At age forty it will be seen to be 9058 for the whole army, only 5728 for Semde, but 10653 for the part of the army out of Sende For Glazgow the exp ession is 9591, and the whole male population of England and Wales 17375 lears

It thus appears that over those ages the value of life of the army in Scinde is only about one half of that out of it, and also that the value of life in Glasgow is also less than in the portion of the army out of Scinde

This method of representing the relative value of life, confirms the results arrived at by the other tests already given

Another important result from the compilation of this paper is the necessary removal of all rational grounds for that panic terror which has hitherto obtained respecting the intensity and extent of that assuredly very shocking malady Asiatic cholers In consequence of the unevpectedness with which the disease appears in certain localities, the devision it commits, sparing neither age nor sex, the robust not the feeble, the daring nor the timed, the anthinking and the alarmist are led to characterise these local manifestations as types of the general operation of this appalling disease, but when we calmly cast our eyes over the mortality tables of the whole Indian aims, whose annual average strength for twenty years was 12,028 Europeans and 194,082 natives, we find that the annual average loss from cholera for twenty years was—

COUNTRIES	Europeans	COUNTRIES	Natives
Bengal Mairas Bomb y	<u>**</u>	Bengal Madras, Boutasy	nun ber 224 848 90
T YTAL for India	87	Toyat, for In ha	662

The European troops losing, in fact, only 0.724 per cent per annum, and the native troops only 0.342 per cent per annum. The maximum intensity of the cholera was only 2.13 per cent in 1843 in twenty years, and amongs the native soldier, during that period the maximum intensity secarcely exceeded the half of that amount. And yet the recent shocking details from one locality in Scinde (Kurrachee) struck the public mind in India and Europe with amazement and horror, and such impressions would be justifiable were, unhappidy, these visit utons to be of frequent or extended occurrence, but the preceding tables prove the contrary, and relieve us from our terrors

Another fallacy which these tables dissipate is the asserted superiority of the European over the native soldier in resisting the influence of choleia in the first instance, and in the power of rallying from its effects when attacked The European, it is said, is a robuster man than a native his fibre is more rigid. and his stamina stronger, the native being comparatively feeble and washy from his habits of life, and from the insufficient nourishment of his farinaceous or vegetable food Now the tables show the very reverse to be the case la no year whatever under the Bengal Presidency has the per centage rate of mortality from cholera of the native troops approached that of the Europeans, nearly the same may be said of the Bombay cholera mortality At Madras there is a difference, the mean mortality of the natives from cholera being rather more than a half per cent per annum, and that of the Europeans a trifle less than a half per cent. The final results of cholera mortality, as already shown, are, for the European troops of all India, 0 724 per cent, and for the natives, 0 342 per cent per annum No doubt the reckless life of the common European in India, and the over-stamulus of his animal food and alcoholic beverage, predispose him much more than the native soldier to all diseases he is also a much greater sufferer f om disease than the European officer, and of this we have sufficient evidence in the report of Mr Griffith Davis upon the Bengal Military Fund, in which he shows that the per centage mortality of all ranks of European officers of the Bengal army for eight years, from 1824 to 1832, was 3 77 per cont for the unmarried (only the half of the European soldier in Bengal), while that of married officers for the same period was on 1y 74 per cent, and that for the European soldier in Bengal, as has been shown, was 7 38 pei cent This different mortality may very fairly be attributed to the more temperate mode of hving of the Luropean officers than that of the men, but from whatever cause, it is plainly demonstrated that European soldiers are greater sufferers from cholera than native soldiers , and this leads me to another great fact illustrated by these tables,

namely, the remarkable general health of the native troops , manifesting, however, distinctive features in the different native armies of the three Presidencies. to which I shall advert The per centage mortality of the three native armies for twenty years is shown to be Bombay, 1 291 per cent, Bengal, 1 79 per cent, and Madras, 2 095 per cent Now, even the highest of those rates is less than that of the English foot guards, 216 per cent, less than that of the troops at Gibialtar 2.20 per cent, less than that of the troops in the Ionian Islands 283 per cent, and less than that of the troops in Canada 200 per cent. but the average mortality of the Bombay army is less than that of any European troops whatever, excepting only the Prussian, which is stated to be only 1 17 per cent , this low average, however, is understood to be owing to the extreme youth of the men, who have enlisted young, and have only to serve five years The. lowest rates in the British army are -household cavalry, 1 45 per cent, dragoon guards and dragoons, 1 53 per cent, and the troops in Ireland and the Cape of Good Hope, both 1 55 per cent. Now to what cause or causes is to be attributed the remarkable discrepancy between the health of the native and European armies in India? All live under the same climate, are exposed to the same vicissitude of seasons, the same alternations of temperature, and are engaged in the same toils, the European is, if any thing, better lodged in his lofty barracks than the native in his lowly hut, and is certainly better fed, in the usual acceptation of good feeding, his animal food being daily washed down with grog or beer. while most of the natives subsist on farinaceous or vegetable matters, washed down with water only But independently of these contrasts between the health of Europeans and natives, how are we to account for the singular discrepancy between the health of the European troops serving under the Bengal Presidency and those serving under the Madras Presidency, the mortality of the former being 7 38 per cent, and that of the latter only 3 846 per cent, so that a European regiment in Bengal is renewed in ten years, in Bombay in twelve years, and in Madras in seventeen only? And in contrast to this we find the mortality of the native army of Madras 2 095 per cent, that of Bengal 1 79, and that of Bombay only 1 29 per cent Unguestionably, over the vast continent of India there must be and are numerous local physical circumstances, marshes, jungles, insuffic ent drainage, sandy and plains, or rank vegetation, to affect the atmosphere of those particular localities, and to operate upon the health of the residents in such places But this will not meet all the bearings of the broad question. Why is the health of the European troops so universally inferior to that of the native troops serving with them, whose health, in fact, is superior, or at least equal to that of the European troops in their own land? I will not say that the question is absolutely solved by the reply, "Habits of life,' but I will say, reasoning from analogy, that the reply goes a great way to solve it The European soldier

in India is over-stimulated by food, over-stimulated by drink, and under stimulated in mind and body The European soldier eats a quantity of animal food every day of his life, he drinks a quantity of alcohol every day of his life to the amount of a bottle of spirits in five days, two drams being served out to him daily, and he has not any mental, and little bodily exercise Happily the pernucious practice is recently discontinued, but time was when the European soldier was compelled to take his dram by eight o'clock in the morning, with the thermometer varying from seventy to mnety degrees or more, at different seasons of the year, leaving him in a state of nervous irritation and thirst, which could only be relieved as he thought by further potations, indeed, I have been assured within the last few days by a pensioned artillery staff scriegant, who never drank in India, and was only in hospital five days during twenty-one years' service. that he has known, out of a detachment of 100 artillerymen, no less than eight men in strait jackets at one time, absolutely mad from drink Now animal food with the assistance of such an auxiliary, and combined with mental vacuity, go far to account for the excess of mortality amongst Europeans

STATEMENT of the Quantity of Beer sent to Madras and Bombay for the Use of the European Troops (N B None sent to Bengal)

YEARS	Modras	Bombay
	bogsheads	hogsheads
7840	500	
1842	1560	
1644	2006	1
1845	3000	1000
1846	1648	1300
Under pro ision for 1817	(14)ر	232

And the spirits* supplied at each presidency are-

la Bengal Run; At Madras Columbo Arrack At Bombay Bhandson spirit.

The first features that catch the eye are, that the Bengal Europeans have not any porter sent to them, and that they druk runn, a spiritnot so wholesome as arrack. Their mortality is 7 38 The Madras Europeans consume large quantites of porter, and druk arrack, a comparatively wholesome spirit. Their mortality is only 3 846 per cent. The Bombay European troops have only recently commenced the consumption of porter and the spirit they druk is understood to be more wholesome than run, but less so than arrack. Their mortality is 5078 per cent. These results are certainly not conclusive, but I cannot help associating the uncreased consumption of milt liquor by the Madras Europeans with their comparative healthness , and the gradations of the mortality in the Bengal and Bombay Luropean troops as partly influenced by the quality (no doubt much more by the quantity) of the spirits they respectively consume

In contrast to this, let us examine the habits of life of the native soldier, and we shall find his health in the ratio of his departure from the European system

* Twenty four degrees below London proof

of living I have been careful to give numerically the castes of the native troops of the armies of Madras, Bombay, and Bengal, with the exception of the Bengal cavalry, as their habits of life are chiefly regulated by their caste The natives of India are generally considered to be very temperate in their habits, but it is oute a mistake to suppose that they all live upon farmaceous or vegetable matters, and do not drink fermented liquors, it is equally a mistake to suppose that the general food of the people is rice, which is only very much the case in low lands subject to mundation, and along the coasts In the interior, rice is generally so much dearer than the bread grains, of which there are many (wheats, millets, the genera holcus, panicum, paspalum, &c., &c) that rice is rarely consumed, at least in Hindoostan and the Deccan The Hindoostanee soldier lives almost exclusively upon unleavened cakes of wheaten flour, daily baked upon an iron dish, and washed down with water On the other hand, all Mahomedans, and all low caste Hindoos, are consumers of animal food, spirituous liquors, opium, ganja (hemp water), and many castes of the Shudras, the Mahrattas, for instance, eat mutton and fish, when they can afford to do so, but meat is not essentially necessary to health and strength Liebig says, that only those substances can be properly called nutritions which are capable of conversion into blood , that meat is readily converted into blood. that farmaceous food has also this nutritious principle in a high degree The truth of this profound assertion of Liebig is established by the food of the great majority of the native soldiers of the Bombay and Bengal armies I have shown that six-eighths of the Bombay army consist of Hindoos, and considerably more than half of the whole army are Hindostanees These men never taste meat, fish, or spirituous liquors, but live, I may, from personal observation, venture to say, almost exclusively upon unleavened cakes of wheat or other cerealea, baked upon an iron dish, and eaten as soon as cooked The mortality of this army for twenty years is 1 29 per cent per annum The great majority of the Bengal army (eighty three per cent) consists of a similar class of men, and the mortality is only I 79 per cent. The Madras army, in its constituents, is the reverse of the other two armies In the cavaly there are from six to seven Moosulmans to one Hindoo, and in the infantry there is one Moosulman to every one and one-half to one and three quarters Hindoos, but amongst the latter there is a considerable number of low castes, without prejudices about food, and unrestra ned by the prejudices of caste, therefore the majority of the native troops of the Madras army can eat and drink like Europeans, and the mortality returns show us that they suffer from cholera as much as Europeans suffer, and that the mean mortality from all causes is 2 095 per cent, or more than three-quarters per cent beyond that of the Bombay army for twenty years I never followed a farmaceous or vegetable regimen myself in India, nor do I recommend it to others, but I ate

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moderately and drank httle, and I have a strong conviction that much of European disease in India is traceable to over-stimulus, and that the mortality among the European troops will not be less-ened until the European soldier is improved in his habits, and until he is made to understand that temperance is for the benefit of his body, libraries for the benefit of his mind, exercise for the benefit of his health, and savings banks for the benefit of his purse. The chimate of India is less to blame than individuals, for in case foreigners find the people of a country healthy, they should, to a certain extent, conform to the habits of the natives to be healthy also — Colonel Sykes Report

A c next Birthday	1	842	1	643	16	44	To	TAI	184	5
pirceos)	Liviug	De the	Liviog	Deaths	Living	Deaths	ling	D ath	Li ng	Desth
	number	number	number	number	n imber	number	unmber	n imb r	number	numbe
21	5 106	199	6,417	192	5,853	149	17 746	540	0 / 36	1
22	3 104	84	2 832	67	9 886	45	8 772	190	\$ 093	4
23	28.62	د 8	3 089	0	2 963	50	8,914	909	3133	1
24	\$ 278	74	2,642	78	2 949	7	7 863	237	2765	1
25 26	1,8 5	65	2,090	70	2 402	42	6 367	178	2 /39	1
26	1,316	45	1 595	52	1 635	24	4 766	131	1.17	
27	555	29	1128	29	1 546	38	3,623	95	1 273	1
28 29	395	39	278	23	978	98	2.436	1 90	821	ł
29	\$08	15	532	94	685	16	1728	32	607	2
30	417	39	418	12	514	1 17	1 3 49	49	43	
31	404	9	354	5	343	1 8	1 101	25	388	1
34	603	13	418	13	305		1 326	29	466	t
33	842	21	541	l ii	379	30	1 65	42	616	
34	1 904	32	735	iř	4.6	8	2 215	1 37	7.8	1
35	1 144	46	1 064	18	795	25	3,003	89	1 055	1
76	1 062	34	967	20	881	20	2 910	80	104	}
37	958	26	1 0 80	25	911	19	2 949	46	1.030	l
39	532	35	835	14	923	1 3 4	2 10	81	952	[
39	762	29	754	10	650	21	225	60	782	1
40	615	35	772	20	704	1 19	9,121	7.4	745	1
41	564	ñ	523	íš,	649	10	1 730	31	011	1
	581	1 14	405	12	419	i ii	1 464	40	514	
13	410	24	522	iõ	397	1 15	1 435	ĩ	101	
44	864	20	419	10	420	11	1 103	46	4-3	1
	347	19	341	6	3/9	10	1 057	37	31	
6	280	l iĭ	285	. 7	271	6	635	23		
- i (230	12	234	' ÷ !	818	7	655	26	242	ł
4.8	17.1	15	132	÷ 1	213	1	84	23	219	
	16		184	ó	13	3	479	ើរ	164	
50	144		129	4	13	ĩ	362	13	127	1
5)	92	Ĝ	99		71	2	293	10	92	
62	350	6	256	é	233	3	739	17	260	
1	31 472	1 070	32 27	B.b.	32 461	732	96.663	2 173	33 970	

ACTUAL Numbers living at each Age in the Bombay Army on the 1st Day of January in the following Years

3 F 2

ORIENTAL COMMERCE

OBS	тот	A 1	IN SO	INDE	NEVERIN	NEVER IN SCINDE		
1	Living	Deaths	Living	Deaths	Laving	Deaths		
î	n mber	oun ber	pumber	puml er	number	number		
21	100 000	2978	100.000	556%	100 600	2068		
22	97 022	2170	94 438	3001	97 938	1 93		
23	J4 852	2136	91 437	เริ่	96,145	1783		
94	92,416	2375	87 1 86	3280	94 357	1/288		
25	90 142	\$269	84 406	3306	99 669	1000		
26	67 879	3403	81100	3436	91069	1785		
27	85 109	2417	77 664	3300	89 284	1710		
25 26 27 28	82 972	1 2494	74 274	3229	87,574	1976		
29 30 31	80 478	\$393	71045	3051	85 659	1 09		
30	28 085	2290	6 8794	2171	83 929	1 90		
31	75 795	2054	65 2/3	2489	82 130	1596		
32	73 741	1967	63.34	2196	80,543	1 94		
23	71 74	1847	60,538	2237	78,849	1 189		
34	69 927	1868	38,301	2317	77 160	156		
35 35 37 35	68 059	1805	55,84	2403	75 634	13-3		
38	66 254	1824	\$3,581	2419	74 415	1417		
37 1	61 430	1772	51 169	2448	73 028	1305		
29	62 (58	1767	48,731	2396	71 23	1320		
30	60,891 59 242	3643	46,315	2058	194	1349		
40	59 242	1074	44 217	1870	6, 64 5	1517		
41	57 568	1685	42 397	1935	67 528	1528		
42	53,583	1670	40 462	1921	66 000	1543		
43	64 204	1030	39 541	2077	64 457	1404		
44	57 365	1655	86,404	1974	63,0 .3	1479		
45	50 310	1703	31 490	17-3	61 574	1673		
46	49 07	1045	32,717	1576	x9 01	1709		
47	47 561	1535	81 141	1341	58 192	1791		
48	40 026	1505	29,800	1256	56 401	1814		
40	44 521	1540	28,-14	1350	54,587	1846		
50	42 81	1338	97 104	1436	5 761	1498		
51	41 623	1577	23 .9	1356	51 65	1814		
52	40 046	914	21 402	1 1/84	49 451	924		

DECREMENTS of Indian Army

PER CENTAGES of Mortality at every Age

2	Moles	Both Sexes	Malez	Malon	Males	Both Sexes	Both Seace	Males
7 G E	Fogland and W les (Neison)	Carbule (Milne)	Irelard (Net on)	Swelva (N cander)	D indee (Nesson)	France (Duviliard)	Northamp- t n (i nor)	Glasgow (N 1500
	DLT CODI	per cent.	per cent	per cont.	per e nt.	per cut	per cent	per c sit
21	694	615	744	856	822	1 219	1482	1 228
32	699	845		608	663	1 264	1 504	1.2
28	704	\$76	429	943	904	1 303	157	1 326
21	709	908	861	160	945	1 1 342	1 551	1 374
25	731	930	807	997	985	1 373	156	144
26	737	260	929	1 015	1 025	1 416	1 601	1483
37	777	081	959	1 035	1 066	1 451	107	1.44
18	870	998	985	1 064	1 105	1 481	101	3 0/14
20	983	1 011	1 007	1 114	1 145	1 517	1 681	1 009
30	1 010	1 023	1 830	1 146	1 185	1 549	1 10	1 35
31	1 020	1 036	1 053	1 140	1 235	150	1 740	1 801
3	1 013	1019	1 073	1 173	1 64	l in	1 71	1 807
51	1 005	1 063	1 018	1 187	1 394	1 613	1 803	1 439
34	1 015	1 078	1 1 21	1 201	1 344	1 (73	1 836	1.35
33	1 026	1 (95	1 1 19	1 195	1 394	1 05	1 670	2 04/0
50	1 055	1112	1 1 1 61	1 / 10	1 465	1 38	1 600	214
37	1 085	1 134	1 219	1 246	1 526	1 1 3	1943	2 7.29
38	1 117	1 137	1 201	1 261	1 606	1 810	1.0.9	2318
39	1 168	1 184	1 308	1 320	1 790	1 849	2 (222	2 113
40	1 300	1 2 12	1 356	1 510	17,3	1.993	2 091	2 13
41	137	1 245	1 403	1 555	1.88.	1 934	9 103	507
42	1 437	12.9	1 4 50	1 602	1077	1986	2 2 10	2 697
43	1 458	1 310	1 498	1 601	2 070	9.40	824	3 93
44	1 180	1 361	1 145	11.9	3 162	099	° 115	2817
45	1 461	1 407	1 009	1 777	2 954	2 104	2 101	3 0 10
46	1 182	1 484	1.691	1 880	2 3 16	2 2 2 3 5	3 461	3 1 28
47	1 499	1.04	1 89	1 892	2 139	2 317	\$ 513	3 53
48	1 3 3	1 10	1005	1 9325	2 331	2 394	2 548	3 385
40	1 368	1 1 1 21	2 038	2:067	2 524	2 492	2 (9)	3 513
50	1 342	1 685	2170	2 163	\$716	2 35	2435	3 640
51	1 420	1 761	2 303	9 49	2 509	07	2154	3 68
÷.	1 520	1 848	2 435	2 370	8 301	2 830	3 044	3 1.15

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COMMERCIAL STATISTICS OF BRITISH INDIA

		·····	·		
ACES	Sciude	Residue	Tot / Army Bombay	Ps gland and Wales Males	Gl sgow Males
	per cent	per cent	per cent	per cent	per ciat
21	16 477	30 697	24 534	43 410	29 123
25	16 100	1	23 635	49 368	27 7 60
30	15 378	1	22 717	36 497	24 644
35	14 409	1	1	32 63 5	21 743
40		i		28 787	19 007
45				94 978	16 353

THE Equation of Life, representing a Term of Years, for which there is an equal Probability of Living

THE Equation of Life, representing a Term of Years for which the Probability of Living is two to one

ACES	Scinde	Rosidue	Total Army Bomb y	England and Wates Males	Glasgow M le	
21 25 30 35 40 45	per cent 3 4 9 9 8 6 9 484 R 565 8 430	per cent 30:563 19:861 19:247 16:391	ptr cent 14/771 14 483 14 307 13 434 12 393	per cent 32 913 86 370 27 699 34 731 21 679 18 616	por cont. 21 55 19 443 16 369 1 3*419 12 696 10 933	

THE Equation of Life, representing a Term of Years, for which the Probability of Living is three to one

ACES	S inde	Rendue	Total Arn y Bombay	Figland and Walcs Mults	Glasgow Males	
	per cunt	per cent	por ce t	per cent 20 045	par cent	
21 X3	6 3b	14 601	10 367	24 267	10 21 3	
20 21	7 070	14 071	10 405	22 127	13 046	
43	5 728	10 653	5 078	1735	9.91	
45	7 000	1 1		14 875	8 (19	

MORTALIT1 among the Military in various Countries

REGIMPNTS	Mortahty	Lolonet Tul loch	REGIMFNTS	Mortality	Colonel Tal
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CHARITABLE DISPENSARIES

THE statistics of the Government Charitable Dispensaries of India, chiefly in the Bengal and North-Western Provinces, have been admirably prepared by Lieutenant-Colonel W H Sykes, k R S, and we regret that we can afford but a hunted space to those very interesting returns

During the administration of Loid Auckland, the institutions, described by Colord Syles, may be said to have their origin, and it was in a letter, dated the 27th of April, 1938, that the government of India sanctioned the establishment of dispensaries in some of the large towns in the Bungal Piesidency $1_{\rm MA}$ were to be under the civil assistant surgeon of the station, who was to be allowed fifty rupees pir mensem, including his vaccination duties. An educated

ORIENTAL COMMERCE.

young man, from the Medical College at Calcutta, on a salary varying from forty to 100 rupees, but latterly fixed at 100 rupees, was to be placed in charge of the dispensary A small number of beds, for extreme cases and for surgical operations, were attached to each dispensary, and the appointment of boys, as apprentices, for vaccine objects, was suggested. It was proposed to limit the monthly charge for each institution to 250 or 300 rupees. The dispensary was to be furnished with medicines and surgical instruments from the government stores, and instruction was to be given to any youths who might desire to attend. The native assistant might practise privately

The judge, magistrate, and civil surgeon, were to be a standing committee for the management of the dispensary, and were to correspond with the medical board The revenue commissioners were to have a voice when present, the civil surgeon to be ex-officio secretary, and the committee might invite the co operation of any native gentlemen

The above arrangements were confirmed by the Court of Directors, in a despatch to Bengal, of the 13th of July, 1842, directing, however, that the cost should not exceed a certain fixed sum, unless the natives assisted by subscription

The Medical Board, in a letter to government, dated the 31st of October, 1842, speak in confident terms of the prospects of success of the institutions, and say there are more native sub-assistant surgeons than can be employed in the service, " and i, after the trouble and expense which have been incurred in educating them at the new medical college, they be not sufficiently qualifiedwe must despar of ever seeing that object effectually attained "

What these qualifications proved to be the following paper will show

"The expectation of aid from the natives was not disappointed The Rajah of Burdwan, on the object being made known to hun, immediately allotted 200 rupees per mensem for a dispensary in Burdwan, and others in bke manner have come forward

" The sub-assistant surgeons in charge of the dispensaries were not all natives, although the great majority were so, some being of half blood, and having probably a familiarity with the English language The reports and returns were to be made half-yearly by the sub-assistant surgeons themselves, and as I shall have occasion to read a report from one of the educated European surgeons, and one from a native sub-assistant surgeon, the auditors will have the opportunity of judging whether they could distinguish the one from the other by the phraseology But the reports are not limited to the communication of information on medical subjects, they contain also much interesting and valuable matter on meteonology , the habits, customs, and prejudices of the natives, the state of drainage of towns, and physical characteristics of localities The reports, so sent in, were transmitted by the superintending surgeon to the Medical Board at Calcutts, and by the latter forwarded to government, and the government, with sound judgment, directed them to be periodically printed for the use of the Court of Directors, the government of Bengal, and the medical department generally

"As the returns comprise 267,456 cases treated, it may very properly be asked 'What test is there of the accuracy of the returns made by young natives, who had every possible motive for exaggerating and enhancing the amount of their own labours and success, whose bread, in fact, depended upon this success ? Setting aside, however, the daily supervision of the civil surgeon of the station where the dispensary was located, the returns themselves bear internal evidence of bona fides How easy was it for the sub-assistant surgeons, particularly with out patients, to put down most of those who ceased to attend as cured, nevertheless, 94,618 are put down as relieved only, or ceased to attend How easy was it for them, in the treatment of diseases which the world knows to be of almost certain cure, such as those of the skin, gonorihosa, syphily, &c., to have put them all down as cured, and no one would have questioned the accuracy of the return for a moment, nevertheless, not twothirds of these cases are returned as cured It might have been expected, also, with the natural vanity of young men just started into practice, that there would have been some little show off, some manifestation of a successful treatment of difficult cases, of curing diseases that are not readily affected by medicine or art, but there does not appear to be any thing of the kind, excepting in two returns, which may be attributed to typographical errors Elephantissis, scrofula, tetanus, epilepsy, paralysis, anasarca, and leprosy, which are larely manageable in the hands of the European scientific medical man, appear by the returns equally unmanageable in the hands of the native sub-assistant surgeons. There are in the returns numerous typographical errors, many of these have been corrected from the body of the return itself, and the others only occasion an error in the individual return, which is not appreciable in the sums total of all the returns On the whole, therefore, the returns may be viewed with confi dence for their general accuracy It is not my object to enter into any medical question at all, my object is simply to show the amount of good done, and I might confine myself, therefore, to giving the total results, but the readers may expect from me some cursory observations upon the general features which the tables exhibit, and to these I will himit myself, referring the medical man to the tables themselves for details I have arranged the tables so that a progressive view may be taken from Dacca and Chittagong, in the low lands of the East, through the low lands of Bengal via Bhowancepoor, Pooree, Moorshedabad, Patna, and Benares, to the Upper Provinces sia Allahabad, Agia, Delhi, Shahjehappoor, &c, thus separating what are called the Lower from the Upper Provinces of the Bengal and Agra governments, that medical men, or others if

so disposed, may investigate as far as the tables supply the means, the effect of climate in developing particular diseases One element, however, to assist the judgment in the investigation, is wanting, and that is the population of the respective neighbourhoods of the several dispensaries. In only one instance is it given, that of Allahabad, and I have attached it in the Appendix Confining myself to the broad features, I may state, that 267,456 cases, including house and out-patients, were treated-of this number 168,871 were cured, 2417 died, and 96,168 ceased to attend, and the results were not known Intermittent fevers amounted to 20,028, and with the minor accompany ment of 4590 remittent and 6807 continued fever cases, take the lead of all other diseases both in the Upper and Lower Provinces, excepting only theumatism, of which there were acute 9087, and chronic 19.928 cases The intermittent fever obtained at all the dispensaries as a leading disease , the remittent fever very slightly at Moorshedabad, Pooree, and Chittagong, in the low lands, but considerably at Dacca, also in the low lands In the Upper Provinces, scarcely at all at Agra and Mutra, but considerably at Delhi and Bareilly The continued fever appears to have been pretty equally felt, excepting at Moorshedabad and Pooree, in the low lands, and Cawnpoor, in the Upper Provinces Rheumatism, both chronic and acute, prevailed at all the dispensaries, the only exception for the acute being Moorshedabad and Pooree, in the Lower, and Agra and Mutra, in the Upper Provinces, at which two last places there is not a single entry

"The next great features are ulcers and abscesses The former rival in amount (20,615) the intermittent fevers, and prevai in all climates, but are readily curable Phlegmon and abscesses (10,418) are half as numerous as the intermittent fevers

"Diarrhose appears to prevail generally, but not with any intensity, amount ing (9123) to about two-fifths of the intermittent fevers

"Dysentery, both acute and chrome, appear to be moderate, the former 3602, and the latter 3377, the two together barely constituting a third of the intermit tent fevers

"Patna, and Benares, and Bureilly suffered most from the former, and Benares and Deilu from the latter forms Enlargement of the spleen (6484) appears a common accompanizents, for rather result, of fore crasss, but it decidely prevails in the Lower Provinces rather than the Upper, the only exceptions being Allahabad and Delh, and at both these places fever prevailed *un* more than an ordinary degree. The next great feature, or rather the chief feature, as far as numbers go, is that of the comparatively harmless diseases of the skin (25,733) These are common to all the dispensaries, whether in the Lower or Upper Provinces, and un some few cases they have proved so intractable that death has eused. A melancholy feature of the returns is the large amount of syphiltic and analogous affections, primary and secondary, amounting respectively to 13,261, 7658, and 6694, and frequently being of so inveterate a character as to occusion death A singular feature of the returns is the comparatively commons amount of mechanical injuries of contusions, 1548, dislocations, 712, incised wounds, 2588, fractures, 737, and burns, 517, total, 6102 This scarcely supports our ideas of the gentle, resigned, and placable Indian, but would rather lead us to believe in a good deal of pugnacity and violence, with no indisposition to occasion broken heads and broken bones, it is but fair to admit, however, that many cuses are returned as wounds, &c, from elephants and tgers A very affecting accident is mentioned by the sub-assistant surgeon of Beneres, Esher Chunder Gangoolee, under the head of 'Burns,' which terminated fatally, he says--

"The second case was that of a man who full into the funeral pile of his only son He was buint all over the front part of his hody and on being broacht to the bospital endearoured with all the strength that was left him, to prevent the application of external remedies he also refused to take any internal medicine, and died next morning

"Such cases of ardent attachment exhibiting itself in other forms than the above, are by no means uncommon, and I have witnessed several Even m cases of Suttee I have known the widow resist with all her power, attempts to remove her from the funeral pile of her husband Both bilious and spasmodic cholera appear but as minor items in the returns, they appear to have been treated simultaneously in several of the dispensaries, though the mortality from bilious cholera hore no comparison with that from the spasmodic , nevertl eless, the results of the latter support the statements I recently published of the mortality in the Madras army for five years, from which it appeared that the mortality from cholers, even in the worst periods, never reached two per cent of the whole morthhty of the army Inflammatory diseases, whether of the head (370), chest (1574), or bowels (326), bear a small proportion to the total diseases I should have thought that inflammation of the chest would have stood prominent in the Upper Provinces, but it uppears only to have prevailed to any extent at Moradabad, while a greater number appear on the returns from Chittagong, and 248 from Moorshedabad Diseases of the nervous functions appear scarcely marked The largest figure is 1170, paralysis, with only 90 apoplexy, and 68 tetanus, mania 369, many of which cases are returned cured. It is a singular feature among the people of India that so small an amount of madness, in its various forms, prevails

"Dropsy, under its different divisions, is by no means uncommon, but its treatment on the whole appears successful Leprosy appears to a considerable extent, 2436 cases, and throughout the Upper and Lower Provinces remedial treatment appears generally ineffectual, but some cases to the contrary, in one or two of the returns, have led to one of my preliminary observations I may say the same of asthma, which is generally returned as relieved only, but in some cases the contrary The asthmatic cases are 3740 Consumption does not appear on the returns at all of six dispensaries , a solitary case on some others. and the highest number is at Chittagong (44), where it might have been least expected On the whole, it is comparatively non-existent in India Colds are common enough (6466), although not a thud of the fever cases, and do not appear to produce the consequences common in less favoured chimates Disease of the liver, both acute and chronic, the bane of Europeans in India, is but a fraction of the whole amount of disease amongst the natives, only 299 acute, and 739 chronic cases, having come under the observation of the sub assistant surgeons It might have been supposed that columns for fifty-eight diseases would have comprised all that it was necessary to report, nevertheless, so far from this being the case, the column of 'Ahi Morbi' contains the greatest total of any, namely, 51,908 This column comprises hæmorrhoids, cancer, fistula in ano, exostosis, amaurosis, catalensia, bronchitis, constitution, diseases of the teeth, croup, hysteria, hydrophobia, leucorrhea, diabetes, and unusual forms of diseases of the respiratory organs, of the sexual organs, of the skin, &c On the sulsect of the mortality in the treatment of the different diseases. I shall say lattle, it can only be fairly put in connexion with the treatment of the house-patients Here the diseases mostly ran their course and the results were satisfactorily known. but even from the house-list, patients to the number of 1550 absconded before they were healed Amongst the out-patients, the results of 89,263 cases were not known, by the parties not returning to the dispensary, of these many may have died, who are not inscrited in the returns. As the dispensary returns, however, show the number of those who did not return, and the diseases for which they were treated, an approximate estimate of the probable results may be obtained from the nature of the diseases, and using the results of the treatment of similar diseases in the house list as elements of comparison and deduction. 171,722 of the out-patients were known to be cured, and the known success justifies, to a certain extent, qualified presumption of success in the unknown cases I must, however, refer those disposed to investigate the subject to the tables themselves for the details

"I have hitherto adverted only to the knowledge of medicine of the subassistant surgeons, but the most valuable branch of knowledge targht to these young men is the science of surgery. The amputation of himbs, couching for extained; cutting for stone, tapping for dropsy, &c The success of the several operations is very creditable to the skill and to the nerve of the operators. The diery of many of these cases by some of the operators, in their own simple, and for the sake of hrevity, contracted language, is often of considerable interest. I annex two notices of cases of lithotomy, as types of others, but Sub-Assistant Surgeon Ram Narrain Doss, of Cawnpoor, showed his skill, not only as a mainpulsitor in lithotomy, but as an excellent draftsman, for he attached to his report drawings of the stones he extracted

Cawnpoor, Dec 1849

" Among the operations performed lithotomy forms the most in the number, and since the dispensary is under my charge I have operated for stone on twelve subjects, and am proud to say that I have been successful in all of them, all got well without much trouble or suffering and within the past six months, four cases of lithotomy have been operated, and three are discharged cured, and one is under treatment *

"Jabbulnoor Dec 1845

"' In this case there was evidently infiltration of urine in the cellular tissue about the neck of the bladder, and the communication between that receptacle and rectum was the result of ulceration The rectum was not certainly wounded during the operation This is the only case in which untoward symptoms came on out of my ten successful operations †

" It will not be necessary to advert more at large to numerous successful surgical operations of all kinds performed by these young men, but in the Append x I have collected some lists of reported cases for the inspection of such as desire to examine them

Another of the important duties these young men had to perform, was the discovery and application to remedial purposes of native medicines, many of which were known to be very efficacious, although unknown to our pharmacopcetas It was desired to save the expenditure of European medicines, and to select such native medicines as might advantageously be incorporated in our English pharmacy How effectually this desire has been realised, will be shown by the accompanying selections from the lists of new medicines used in the dispensaries t The most extended list is that supplied by Dr Davis, of Patna, the zealous author of the statistical account of that city. He has given the names in Hindee and Persian, and has shown where a corresponding English name is wanting, and a glance down his columns proves that 232 native medicines are unknown to our English phirmacy, and the native sub assistant surgeons supply others The latter, in their reports upon the compound metallic native medicines, show a very respectable knowledge of chemical analysis, for they themselves, when dissatisfied with the accounts of native physicians, of their process of preparing their medicines, test their accuracy by analysis In one instance Ram Narrain Doss, of Cawnpoor, exhibits not only his botanical knowledge, but his power of delineation, by sending a scientific description and correct drawing of a plant producing a new medicine, the sha pussund, a convolvulus, the seeds of which have the same purgative property as rhubarb He gives an analysis also of the souds The drawing accompanies this paper Dr Bilfour, of Agra, reporting on the conduct of Omachuin Set, on the 31st of January, 1841, says-

3 G 2

[&]quot; All the above marked as quotation is from the information of the sub assistant surgeon and is furnished generally in his own words. I am happy to be able to conin ue to report favourably both on his attention and the success of his practice, as it

[·] Ram Narrain Doss -His own words

[•] Ram Narrain Doss --His own words † Sarva Churn Dutt --His own words ‡ It is tourid inconvenient to inactif these lists in the journal of the Statistical Society but I cy are preserved in the archives of the society for inspection

has failen under my observation He has, as will be seen above introduced a considerable number of native remedies into the dispensary practice the most useful of which undoubtedly are the blistering flies and the turbuth, which is now used in large quantities as a substitute for jalap, and will greatly reduce the expenditure of that drug. The most perfect confidence appears to be placed in the sub-ass stant surgeon by his patients-they come from very great distances, and are many of them of a most respectable class -- and it is no uncommon thing to see one who has been cured return bringing with him a sick comrade or relation to introduce him to the place They also return when afflicted themselves with different ailments, or a return of the former one With all the success of the dispensary, there has been no driving or urging of patients to attend, all that has been done has been to extend the knowledge of the institution as widely as possible, leaving the people to come unfettered This has answered well and means are at present being taken by hand bills in the native languages (which are getting ready) to spread as widely as possible in the neighbouring districts, the intention and benefits of the Agra Dispensary " (Signed) JOHN BALFOUR

"' Officiating Curil Surgeon and Officiating Secretary, " Dupensary Committee '

"The people of Upper Hindoostan are still so strongly prejudiced against female freedom and female happiness, that they always take the best care to keep their wives and daughters in the innermost recess of their cooped up houses , they have no faith on each other, and consequently none of the other sex, but such as belong to the family, can have an access to the family part. When sick of the ordinary diseases, I mean when not very dangerously ill, they must be treated by the history of the case as described by some of their male relatives, otherwise the physician is admitted to feel the Bulse, by which guide alone they must be treated It is no wonder then that for the diseases of the unnary and the generative organs they should invariably have recourse to nurses and old grandmothers The few who apply to the dispensary come not before the disease has advanced to a fatal extent A very large number of women suffer on account of this over modesty and groundless shame from difficult patturition and its sequelæ The country nurses who are proverbially ignorant, and who know nothing of the organs they deal with or of their functions natural or as modified by circumstances, but are nurses only by birthright, are called in on all occasions of parturation, but these, instead of assisting the parturient female, treat her so roughly, and that so frequently, and relate to her so many frightful tales, to shorten, as they believe, labour pains, and to quicken delivery, as to depress her spirits entirely Thus a most easy and natural phenomenon is often converted into a most troublesome and hazardous job The Hakeems have no medicines to expedite delivery, neither do the people approve of the plan of administering medicines to preclant women

The next source of female misery lies in the belief in ghosts and exil spirits The nervous discusses are all regarded as signs of the patient being influenced by bloot or ghosts, recourse is therefore invariably had, in all such cases, to blowing miniters,* and suspending anolets

Michona, so called from a false notion that the disease arises from the excessive sections, or mutkor, of the mother's milk. It is a very fatal disease. It greatly resemblies the tables mesentence of the European authors, I say resembles, because I have not vet had an opportunity to identify the two diseases. by *post mortem* examination *Althona* is characterised by the same wasting of the body, tumefaction of the abdomen, presence of a slow fever, disorded state of the bowels, and, lastly, consumption and death. A combination of two eavage castoms has contributed to make this disease so common a this combination of its infantile life, every tof the people has made it so fital, at or about the second month of its infantile life, every tof the analet are of take optim, write or about the second month of its infantile life, every child is made to take optim, write or about the second month or liss infantile life, every child is made to take optim, write or about the a footing, in this city in particular, this even the recht mothers, who can easily afford maid-servants for their children, nay, who have them already, indulge in it frequently

"" There is no ordinary difficulty in administering to female ailments from the determined exclusion of the women of many classes and caste, and superstations usages add to the difficulties the European medical main has to encounter ?

"Respecting the inhabitants of Patna, Dr S Davis writes -

"The habits, education, morals, and customs of the inhabitants of the city are in many respects better than those of many of the great cities of India There is less of religious parade and intolerance amongst the Hindoox, and the Mussulmans (though very numerous) are greatly shorn of that arrogance which has clung to their character and manners, more or less since the Mahomedan conquests this, doubtless, anses from the circumstance of there being but few families of either nobility or large property, and consequently few prices to minister to their vanities or weaknesses, for 'wherever the carcase is there the rareons will be'

"I have before said that the city impresses the inquirer with the idea of active industry and it is chiefly by the exercise of this that the large population is supported As regards education, all that can be said is, that as a certain quantity of learning is necessary for bunyns and shopkeepers, there are few, except the poorest of the labouring classes, who cannot read and write, and but few who have higher acquirements of a scholastic character than this, if we except a class of men who are brought up with a view of exercising their talents as omlahs in the different courts, and a few others who hre in the course of education at the government school Amongst the former are some fearned in Oriental literature, but by far the greater part are utilitarians, and acquire only that measure which will come into actual play, and turn to account The govern-ment school having been established but five years, it is difficult to say what will eventually be the effect of it, but when we consider that the great inducements to learning are profit, either in the shape of money, station, or fame, and the little chance the cleres of these establishments have with those who have been spending their youth in acquiring in intimate requaintance with the actual practice of the courts, and are, as it were, ready made omlais. I think the chances are, that those who merely look on the profit side of the question will give their sons an education, which will fit them for immediate employment at Paina The government school has never been a popular institution At first there was a feeling that it was intended to alienate the children from their paternal faith, then again the system was not considered sufficiently utilitarian so that comparatively but few of the respectable natives encouraged their children to attend It Time will doubiless wear away their feelings, and we may yet hope to see knowledge spread its root and branches far and wide

"' With respect to the morals and customs of the citizens, it is difficult to form any rational conclusion, on account of the exclusive mode of life of both Hindoos and Mussulmans except that in smuch as industry prevails, immorality (which is the offspring of idleness) usually declines In a population of upwards of three lacs there must be much immorality, and in crowded cities drunk inness is generally a crying evil. It is to be lamented that there are many facilities for indulging this vice the city is surrounded with toddy trees and in addition to the produce of these, intoxicating liquors are prepared from molasses, mowa and other articles, but notwithstanding this, I do not think that the inhabitants generally are intemperate, though in a city of such magnitude, the consumption of country wine and spirit among the lower classes must be considerable The grosser vices of bloodshed and theft appear to be less frequent than in other districts, owing probably to the full employment which every one willing to work may obtain for his time, and on the whole the population may be classed as industrious, with fewer of the prejudices than exist among the village population generally There 18 nothing peculiar to notice in their customs, and I shall proceed to a slight review of the state of the public health

"The provinc of Bahar may be considered as favourable to health as most parts of the continent of India and the diseases I have mentioned as frequently met with at Pains cannot be considered as proof to the contrary The objects of some of them are outcasts from their families and homes, and are brought together here from the surroundtog districts, by the common desire of exciting the commiseration of the wealthy and humane

"As an all crowded cutes epidemics occasionally appear, and spread deviation around them, and during the eight years of any excisioner I have seen serval severe vaniations of cholera and remittent (seer, the former usually making its appearance at the commencement of the hot winds. There is often us April and May, as indescribable but well-understood state of the atmosphere accompanied with variations in the wind, and a harv and suitry appearance that is favourable to the production of the former very finghtuid disease. During such weather you find vegetation bighted by impalpably small summalcute, which clude the perception of the naked eye, but are easily discorted by the sid of microscopic instruments.

"'I have long thought that cholera and some other diseases have their origin in animalculine blight and late writers have brought together so many lagts bearing on the subject, that this opinion gains ground with me daily nor is the circumstance of diseases spreading more in crowded cities than in smaller localities at all contrary to this theory, since there are so many more points of attraction or deposit The state of the atmosphere is, without doubt greatly modified by the locality over which it ranges, and in situations favourable to the production of disease, it is not unreasonable to conclude that a peculiar state of it is attended by a vivifying influence which brings into existence poisonous animalculine exhalations capable of producing maladies in those who may be obnoxious to it, either from congenital or induced debility or other idiosyncrasy Those visitations are not of very frequent occurrence here, but the district to the south of Patna is rather low and swampy, and I think, cateris parious, rather favourable to the production of this pestilence. The same theory may perhaps be applicable to remittent. fever, and the difference between the diseases accounted for, either by the quality or dose of the poison The fevers of this part of the country are, however, much more manageable than the bilious remittent of Bengal, and partake more of the nature of inflammatory fever, as the remissions are very imperfect, and the hepatic system is less deranged Nineteen cases out of twenty yield to active and prompt medical treatment but where this is neglected, dysentery frequently ensues and brings about a fatal termination Rheumatism is very common, and difficult of cure, and a very great many cases of cataract occur m men and women between the ages of fifty and seventy the operations for this disease at the City Dispensary are very numerous and successful.

" On a general review of the state of the population of Patna, as respects health and disease. I have little to suggest It would be very desirable if the inhabitants were spread over a larger surface, but as this is almost impossible to accomplish, the greatest safeguard to health will be proper drainage, and the prevention of accumulations of filth I have mentioned that the land to the southward of the city is in many parts very low, but although low, most of it is above the level of the river during the months of October and November, and might, without any great difficulty, be drained into it by one or two judiciously-placed canals this would probably interfere with the proprietary rights of a few zemindars, as the water is dammed for the purpose of irrigation, but this might be settled without much difficulty If this plan were carried into effect, it would be neces sary to have we er on the side of the river to prevent its ingress during the rains, and in addition to these a pucka drain on either side of the main street communicating with these canals should be made, by which means the whole city and suburbs would be effectually drained I cannot help thinking that this would materially add to the healthiness of the city, as I consider the fevers at the close of the rains to arise from pestilential exhalations from the low marshy land to the south, brought into a state of activity (if not of vitality) by a peculiar electrical state of the atmosphere, which occa-sionally prevails at that season for it is a well-known fact that the residents of the high banks of the river suffer less than those of its southern environs In respect to the many loathsome objects who are continually wandering about the streets of Patna, it is a great desideratum that some asylum should be provided for them, not with a view to their cure, for it is unlikely that more could be done for them in that respect than they have the means of attaining by application at the dispensary, but in affording them food and shelter and a little clothing during the cold weather it may be urged that these poor creatures are more the objects for private charity than for the consideration of government but when we see that notwithstanding the liberal exercise of this, hundreds are outcrists from their family and homes, without food or clothes, and too much crippled by disease to obtain either by their own industry, it surely becomes a being government to find them shelter and protection. Even under the native governments, series were established and maintained, and endowments were given for charitable purposes, and it is difficult to contemplate their enlightened successors retrograding in charity and protection. The sime state of things exists, i presume, in all the great cities of findia and a small appropriation of the many funds at the disposal of government would put an end to it, and prevent the unsightly perambulations of these pitable but disguesting beings. The "ferry Funds' are rich and unappropriated, and a "Refuge for the Destitute might be formed from them, which, under proper management, would be a real charity.

"The half yearly report of Sub-Assistant Surgeon Jaudub Chunder Dhara, after giving a succinct chronicle of the state of the atmosphere and of disease, together with the operations of the Allahabad Dispensary during that period, terminates with the following observations by Jaudub Chunder Dhara, Sub-Assistant Surgeon

"'In conclusion, I beg to bring to the notice of the board the happy and wonderful effects of the mitrate of silver, in a species of skin disease very common in India II is characterised by the discolouration of the skin, in small patches, with loss of sensibility in the parts. The lips pains of the hands, and soles of the feet are most frequenity attacked but the rest of the body is not entirely free from the affection. It begins in very minute white spots, which gradually expand till they occupy a larger surface. The disease is not attended with any pain or constitutional irritation, the patients enjoy prety good health, and think of medicine, because the spots look bad, but especially because it is deemed by the natives the result of some first-rate sin committed in a former life?

' The superintendent surgeon adds ----

" In appending a few observations to this half yearly report of Sub-Assistant Surgeon Jaudub Chunder Dhara, I have much pleasure in stating, for the information of the Midical Board, that his conduct has been most exemplary during the last sw months, and such as to merit my approval in every respect

" From his excellent qualifications as a medical practitioner, zerious attention to his profession, and great success in his treatment of the numerous sick submitted to his care he his inspired greateside of the sepect

"'In the performance of surgical operations he exhibits coolness, dextenty, and judgment

""The conduct of apprentice Lalia merits my approbation, and I intend shortly to send him before the medical committee at this station for examination as to the progress is has made m his studies. I regret to say that the other appendice, "Clunnee," has not given satisfaction and I have been obliged to dismiss him, and am looking out for a substitute in his place, being a high caste Brahmin, he objected to touch a dead body

"The following notes on the bural-grounds of Benares, by Issar Chunder Gangooly, brings to light a most serious evil —

"Benares January 31 1844

'The hberal disposition with which suggestions are received by my superiors emboldens me to bring to their notice the existence of another evil in Benarcs, which is productive of serious machinef, I mican the indiscriminate appropriation of grounds for burying the dead I have counted 150, and some of my acquaintances say there is as many more, of these elevitions of grounds, called takkins, in and about Bennies, and as the poor do not mind to bury the dead deeper than they think it necessary, a few years' ranus expose them to the action of the atmospheric heat and ar The mealculable mischief which such an exposure might be productive of, can be known only to those who have witnessed the rapidity with which decomposition of animal matter takes place under an Indian suo of April and May Were I to deal widely in hypothess I might with every plausible reason attribute the occurrence of epidemic cholera to this source Effluvan from puttid deal bodies (emanating from the burnal grounds from accidental causes) under favourable circumstances, has been known even in Europe to nearly depopulate a number of villages, and that in India it will produce similar effects, but of an aggreaved nature, is matter of no surprise

"A feature of Indian society, not less deplorable, is that ment oned by Nilmoney Dutt, in explanation of the excessive mortality in the Pooree Dispensary --

⁴ 'This mortality, as occurring in a well appointed public institution, is at first sight appalling, but when it is considered that the admissions are principally pligrims to the sorine of Juggernauth, who are littled from the road-side in a dying state, such a ratio of deaths so treated cannot occasion surprise, and is no wise attributable to mismanagement on the part of the dispensary officers'

"The Agra returns contain interesting notes by both the European and the native officers, and the following observations on the use of dispensaries, by Omachum Set, are well worthy of perusal --

' 'August 9 1842.

"' I am glad to observe that the benefits of the dispensary are now beginning to be better known and appreciated among the people than they were formerly Oa reference, however to the monthly returns, it would be found that the surgical diseases predominate vastly over the medical ones, a circumstance proving clearly the greater confidence they place in our treatment of the former than that of the latter classes of diseases still it is not uncommon to find even the most respectable natives to have recourse to us for the treatment of medical complaints when the Hakeems failed in curing or affording the rehef sought for Those who have never used any European medicine seem to entertain a deadly dread of their strong action, and are not inclined to take them (though they might not have any objection on the score of religion), if they could afford to buy from the Hakeems shop the ordinary native medicines, which are said to be mild, and often perhaps too mild in their action, though usually grateful to the palate The sick poor, however, seem to place an unbounded confidence in our treatment of both medical and surgical diseases This is to be attributed partly to their being unable to purchase the native medicines from the Hakeems, partly to their being much less influenced by religious prejudices, which exercise so powerful a tone of authority over the thoughts and actions of the higher classes, but I believe, in a great measure, to the past experience they have had of the benefits of the European plan of treatment since the establishment of the dispensary The state of notoriety to which the dispensary has already been brought into since its commencement would, it is to be hoped, work its way on the scruples and prejudices of many, which are still forming so formidable an obstacle to a more extensive distribution of medical relief

"Surgeon Shaw, at Agra, observes -

""The season I consuler to have been particularly healthy there has been no epidemic —measies prevuled to some extent, but was of a mild character and seldom proved fatal At one time small-pox was said to be in the city, but did not extend tow rids the mildle and end of the hot winds intermittent and remittent forers assumed rather a formdable spect, and carried many to their long homes. The additions to the list of applications for relief were not much increased by it. Those for local and surgreal diseases were much more extensive than for medical, although there was a very fair show of the latter. The advantages derived from surgery are much easier demonstrated than those from medicane, and come more rendly within the score of a native s concretension? "With reference to the obstacles to their acceptance of relief presented by the habits and customs of the natives, he adds -

⁴⁴ Desides, a native is by no means given to follow the *post hac ergo propers hac* belief as far as regards cure by European medicine, however he might be induced to follow it after the charms and incantations of the Hakeem. There is, however, another reason which influences them. A native when ill has a great disinclination to be removed from his house. He cannot cook his own food or wait upon himself. His castle acts as a bar to his being waited on by strangers, and therefore if he moves must necessarily bring along with him one or more of his relations, thus, of course, is a sections with the busehold, and he prefers lingering on in his disease to seeking a cure at a distance. To this may be added the prejudices which already exist in him mind in favour of his native remedies in most surgical diseases these objections do not exist. It is principally the poorer class of natives that flock to this sharify for relief, and to them it is more satisfactory to afford it. They seek it with advidy, and receive the benefits with sincer thankfulnes. It is, however, not infrequent for the better classes to apply, especially when their own remedies have failed.⁴

"" Dramage - Calcutta - Roads, Streets, and Drams - While attempting to trace up by the increased prevalence of particular diseases in certain localities, to the nuisances therein located, with a view for their ultimate removal, we should not overlook a subject that is intimately connected with the health and comfort of the inhabitants of the suburbs in general and perhaps of the city itself I allude here to the bad state of the roads, streets, and drams throughout the suburbs, but more especially of those that are in the same lines with the prevalent winds There can be no doubt that these at present exercise a considerable influence on the public health of the suburba, and that an improvement on the former will be followed by a better enjoyment of the latter But it is too well known to be here adverted to, that our metussil roads and streets are very badly off, both as to their construction and cleanliness and the drains here, instead of serving the purposes for which they were constructed serve chiefly is reservoirs for filth and water, and thus generate those unseen particles termed malaria These with the dust from the roads are carried off in the atmosphere, and conveyed through it by the prevalent winds northwards during one half year to the city, and southward to the district during the other, and thus become the fertile sources of disease in both Hence the importance of prying more attention to the subject cannot be too strongly urged to the notice of those that have the public management of them .

"Gyah, Feb 1 1845

"" Food of the Natures —The number of dealls that we lad this year from distributa is accounted for by the people of this country living chiefly on Sattoo, parched gram, to coarse kind of flour, and other indigestible vegetable food, which by continued use, excite a kind of chronic irritation in the stomach and intistines, producing symptoms of dispepsia and diarthoga, which the poor people neglect till they are unable to go on vithout medical assistince, then they come to the hospital with the disease far too advinced and with evelena of their extremities, and at that time medicines can do very little for them.

" Sub Assistant Surgeon

" ' Patna

⁴ 'The prevaling compliants were fever, spleen, diarchea, dysentery, &c The native medical officer ob erves that, "bowel complaints in this district of the country depend noise upon the arcs_ularity of food which they (the people) live upon, and the water they drink, than upon climate 'Cholera he report, had raged in the city with violence during the months of May, June, and July last. The surgical operations performed by hum have been numerous.

"'RIM ESHUR AWASTHEE

" I has series of extracts shows that the young men did not confine themselves to the more mechanical performance of their professional duties, but that they

• Observations on Drainage By Callachund Day

took comprehensive views of the means of making their own knowledge more generally useful, and they have advanced their reputation and the good of the state by so doing

"There are returns of vaccination and cholera treated in the cities and districts

" Lucknow Hospital -- The King of Lucknow, in imitation of the liberality of the Company's government, established in Oude a charitable hospital for the ack

" Calcuita Hospital — The Calcuita Hospital is entirely independent of the dispensaries previously noticed, and with its dependent dispensaries relieves annually an amazing amount of suffering The return is—

RELI	EVED	וטע	N D S
1842	1943	1842	1843
number 294,885	number 307 (12	rupees 403 338	rupees 419,538

"With one or two words on the estimation of the character and abilities of these sub-assistant surgeons by their superiors, as typical of their general estimation, I close my notices of Bengal

" Mr Macinture says of Shamachurn Dutt,-

' Jaquary 91 1845

"To the foregoing report I have only to add, that the general and professional conduct of sub assistant surgeon Shamachurn Duit continues such as to merit the highest commendation which it is in my power to bestow. He is respected not only by such Europerns as know him, but by all classes of his countrymen in and about Jubbulpore, whose confidence in him as a medical practitioner is mercessing in a very pleasing manner considering their ignorance superstitions, and deeply-rooted prejudices. In fact, the institution under his professional charge has turned out to be a real blessing to the native population of this part of the country.

"' (Signed) J MACINTIRE " ' Civil Assistant-Surgeon, and Supernitendent of Government Dispensary, " ' Jubbilgore

"And Dr Camberland could show his confidence no further than by putting himself into the hands of Nilmoney Dutt, to be killed or cured, as he relates in the balf-yearly report of the government dispensary at Pooree, February to July, 1841, from which the following are extracts --

"A scarcity of grain has prevailed for many months past, and the same still continues, although the disease has ceased

⁶⁴ There can be no doubt, however that the scarcity has been the chief cause of the excessive mortality attending the disease. The grant that the poorer class of people consume is of a very coarse-and inferior quality, and they eked out a scanty meal of this, with such indigestible herbs and roots, that they do not est at other times. The intrable state of the instantial thus indiced, rendered them peculiarly insole to an attack of cholera, while the debility attendant on long continued poor dest rendered them ill able to been up against the disease.

" Sub-assistant surgeon Baboo Nilmoncy Dutt joined on the 17th of May last His conduct has been very good in very respect With regard to his qualifications I cannot say more than that I intrusted myself with confidence to he care, when I bouring wider an attack of bilous remuttent fever and have every reason to be satisfied with his prompt and judicious treatment The conduct of the two apprentices still continues to ment my warmost approval They have lately had many trying scenes to encounter, particularly when there were 140 patients in hospital at once, most of them suffering from cholera These youths were constantly in attendance, both inguita and.

" Poorce, August 1, 1841 '

"Little can be said for Madras, but the following extract from a public letter to Fort St George, however, shows that dispensaries were authorised by the Court of Directors

" December 8 1841

B COMBRALAND

"" We sanction the formation of dispensaries in the towns of Trichinopoly, Madara, Masulparum, Nellore, Bellary, and Cuddapa, as an experimental measure, in the manner proposed, but we desire that no others may be established, until we are informed of the expense, and are statisfied with the results of those now sametioned

"" On the establishment of these hospitals ample opportunity of instruction should be afforded to such native students of medicine as may be in a condition to avail themselves of such an advantage"

"Dispensaries subsequently authorized — One on the south side of Madras, for the benefit of the poorer classes of the inhabitants of Triplicane, Royapettah, St. Thome, and the adjoining villages, also at Salem, Calicut, Vizagapatam, and Kurnaul

"In Bombay the dispensaries are under the European medical officer, and not, as in Bengal, under a sub assistant surgeon The Bombay system is adopted at Madras, the judge and magistrate to allot a public building or to have one Not industriminately open to every patient. The native inhabitants with the ordinary diseases not to be admitted as *un*-patients, but accessible for advice and medicane to all out-patients European superintendent to have fifty rupees per mensem Each dispensary to have ten barrack cots, mattrasses, pillows, and twenty quilts Each to have a second dresser or assistant. To be inspected by the magistrates and superintending surgeons. When females apply, a separate ward to be allotted to them

" There are not any returns from Bombay

"In conclusion, it has been contemptiously said, and is still said, that in case the Company's government in India were swept away, not a monument of its existence would remain to attest its former state and power. No doubt the governments that have preceded the British in India have left sufficient proofs of their existence. The early Buddhist and Hindoo authorities have, indeed, left prodigous monuments of their wealth, of their power, of their preseverance, and of their religious enthusiasm, in their mighty cave temples and vast religious chifees. The Mahomedans, too, have studded the land with their magnificent mausolea, testifying rather to their pride than their piety. And what have the British done? I say we have raised greater and more lasting monuments than all these. One small extract from a report of a native sub assistant surgeon, Chimun Lall, shall justify my assertion, he says —

ORIENTAL COMMERCE

Delhi August 1 1841

"'One boy, about twelve years of age, who had been blind from calaract in both eyes from the age of two years, was operated on by couching, and restored to sight'

" I affirm that this faculty, given to a single native, to perform the god like office of restoring the blind of his countrymen to sight, is a more glonous monament than all the works of art that human pride or human ambiton have ever burdened the earth with, but when we find scores of such individuals endowed with such a faculty, and thousands, nay, tens of thousands, possibly the recipients of the blessings they can confer—when we find the medical boards of the Bengal government reporting to government on the 22nd of August, 1843—

""We have every reason to believe that the benerolent intention of government in founding these institutions has been fully realised—and we feel confident that future annual results will add to the intrinsic value of the dispensaties, which are so well adapted by their internal economy to obtain the confidence of the native inhabitants.

"" Many have had their sight restored-others have been oured of hydrosic-and relieved when in the last stage of dropsy Several have also derived effectual rehief from the successful operation for stone in the bladder A few have been saved from a miserable death by the amputation of diseased members, and large tomours have been removed

"" Such operations could not have been achieved by native practitioners, without producing an impression on the minds of the most apalhetic natives, and they must tend to spread far and wide the value of the government dispensaries '

"Then, I say, and with a thorough coaviction of the truth of my assertion, in case the seeds of knowledge we have thus sown fructify to a general and luxuriant harvest, that we shall have left a monument with which those of Ashoka, Chundra Goopta, and Shah Jehan, or any other Indian potentate, sink into insignificance, and their names shall fall on men s ears unbeeded, while those of Auckland, as projector, and of Goodeve, and Mouait, and others, as zealous promoters of scientific native medical education, shill remain embalmed in the memory of a grateful Indian postenty "--Colonel Sykes' Report

PRODUCTS OF INDIA

The climates, soils, minerals, and forests of India, with the most ample means of irrigating and otherwise fertilising grounds when exhausted, and the abundance, and consequent cheapness of labour, are such as ought to render the vast magnificent regions extending from the Himalayas to Cape Comorn, as rich and productive in proportion to the whole area of this empire as any portion of the world's surface

The quantity and value of the products of labour in India will appear of great magnitude by mere reference to the statistical tables which we have given But both quantity and value are lamentably deficient, when compared with the number of the population and the extent of cultivated and cultivable soil

If, for example, we take merely a cursory view of the produce of agricultural labour in the United States of America, with 18,000,000 inhabitants, of whom so very great a number follow countless other occupations than that of cultriating the soil, and then turn to the more than 100,000,000 inhabitants of India, who are chiefly engaged in agriculture, the quantity and value of the products yielded by the cultivated soils of the latter will then appear deplorably beneath those produced by the skill, energy, and industry of the cultivators of the North American soils

To what causes are we to attribute this disproportionate difference with regard to, chiefly the exportable products of India, where the wages of labour are, almost infinitely, lower than even slave labour in the United States ? We may presume to attribute the reality of the deficient exportable products of India, not to the soil or climate, nor to the want of abundant and cheap labour, but to various other causes

FIRST — To, in a great degree, the natural dispositions, hereditary customs, training, castes, laws, and local encounstances of the Indian races

SECONDX — To the stationary condition of the inhabitants for many centuries in the arts and sciences, and of the mechanical appliances in aid of labour, whether in agriculture or in manufactures

THIRDLY --- To the generally frugal and temperate habits of the Hindoos, whose actual necessities are limited to the simplest and cheapest food

FOURTHLY — In a considerable degree, but not by any means to the great extent generally believed, to the ancient and prevailing system of taxation in India

There are many other local and minor causes, but the foregoing are quite sufficient to account for the rudeness of all agricultural implements,—the general want of roads, the deficient products of the soil, and the imperfect preparations of those products for the markets of the world, and particularly for the markets of Europe, especially of those products, such as cotton wool, with which the crops of America compete so triumphantly as raw materials for manufacture

A full examination of the principal causes which impede the development of the almost inexhaustible resources of India, is far beyond the scope of this work,—and we need only remark, that the Bittish Parliament will, most assu redly, when the East India Company's charter must, in a short period, be fully reconsidered, insist, before that charter is renewed, upon the following points in the future policy of India being thoroughly carried into effect

FIRST — Adopting, with the most practically effective means and without delay, measures foi opening communications, especially by railways, over the intenor of India, in order to carry the products of the soil cheaply to markets, and the manufactured articles imported to the places of use, or consumption, within the different presidencies, including the dependent strikes *

SECOND -A general revision of the whole system of taxation, including the

[•] A million sterling of money is in the course of biing expended upon the Doab Canal and there is not a year in which the Department of Public Works is not disbursing large sums of money upon reads embankments, avagatuo & k = -W + K S

abolition of monopolies and all differential customs' duties, and of duties between one presidency or state and another presidency or state in India *

TRIED --- Adopting means for introducing and using the best agricultural implements over all parts of India, and

FOURTH — Abolishing as speedily as can be effected without bloodshed and violence, and with reasonably equitable compensation, the impotent, but still oppressive remnants of native governments, in order to establish one general mild and just, yet firm and efficient government over all India.

Having very great confidence in the practical views of the East India Directors, we believe that they will apply their energetic attention to those great objects which are required by the whole condition of the Indian empire, and that they will all be fully in progress before the expiration of a charter, the non renewal of which we should deplore. The first three are at the present time considered part of the Indian system embraced in the administration of the directors, and events will render the fourth an imperative course of poler

With these remarks we will conclude, by introducing the following statistical views and tables of the principal articles which are grown in, and exported from, India For the statistics and prices of *exresita* we are indebted to Colonel Sykes The tabular account of cotton, &c, are from official returns.

In agriculture, with the exception of the extension of growing opuum, indigo, and the sugar-cane, India appears to have, in skill and production, remained stationary for more than two centuries In the growth of some articles, espenially cotton, it has retrograded

Great industry is, by necessity, practised by those people who inhabit the acclivities of the Himalaya chain. They cut into the very faces of the steep acclivities, and mountains are formed into a succession of terraces, with parapets to keep the soil from crimbling or being washed down, and to retain the waters required for irrigation. Manual labour is alone used. They raise on these terraces sufficient grain to support them

Descending to the plains and valleys, and amidat the zemindaries, the modes of agriculture frequently vary, but, in all, rudeness seems to prevail, and the cultivators are subjected to various deductions

Mr Johnstone, in his articles on the agriculture of Hindostan, remarking on the state of the zemindanes and the condition of the ryots, observes, as we be here, with undue seventy-

"For some tume after the British became masters of Bengal and Behar, the raising of the revenue was left in the hands of the native zemindars These met on an appointed day annually, for the purpose of setting the *Bandobust*, or rents and leases, for the following year The zemindanes (topfographical divisions of the land so culled) were exposed to public auction, and let to the highest bidde

 Coasting and entrepôt duties have from time to time, been abolished and orders have recently been sent to ladia to abolish all export duties as soon as the finances will admit ---W If S Such competition, at first sight, appears equitable, and certainly favourable to the government treasury, but it was soon found to insure run to the ryots as well as to the zemindars themselves, and, consequently, eventually to diminish, or almost annihilate the revenue

' I shall not follow the zemindary system through its innumerable shades of variation, for it is in principle the same from Cape Comorin to the Himalaysh, but I will merely touch, in outline the system pursued in one district

"Let the neighbourhood of Benares be the example These each zemindary is subjected to the following officers --

"The Zemindar, who, in addition to the rent he exacts, is entitled to perquisites and privileges too numerous to particularise, for instance, every artisan works for him at a less price than for the tenants of the land within the zemin dary, and he extorts involuntary benevolences from the cultivators at certain seasons

"The person next in rank is the *Putwars*, the factor, or keeper of accounts between the proprietor and tenants he collects the rents, whether puid in grain or money, measures the ground, and, in the absence of the zemindar, presides as a judicitor of the petty differences among the tenants The farmer, or ryot, parts this officer sealary, his due being a seer and a half of grain for every hundred seers paid to the zemindar * For sugar, cutton, & e, not consumed on the estate, a cirtain portion of their price is paid to the zemindar, and for each rupeel paid to him, the putwar receives half an enna, or about one-thritteth

"Next to the putwarn is the Byak, or grain weigher, who divides the grain between the zemindar and the tenant by weight. He is paid by both parties, at the rate of twelve seers for every hundred maunds weighed ‡

"Where there are such officers, all able to favour or to oppress the cultivator, and all natives of a country where morality is at the lowest possible ebb, it is needless to observe that bribery is rife But, admitting that by the assistance of such petty corruption the ryot is able to pay a few mannels of guain less than are the zemindar's legal right, yet still the heavy exaction which they thus pay, and the contributions they have to make annually to the smith, carponter, and other artisans of the zemindary, independent of paying for each job, accumulate int visuch a large aggregite, that little more is left than suffices for the bare support of the cultivator

'A system better contrived strenuously to depress the farmer, and consequently to prevent the improvement of agriculture, the ingenuity of man could not well devise

" The village Brahminical priest is another of the drains upon the Hindoo cultivator. As each crop is collected in, this functionary is sent for to bless the

heap, for which he receives as his part one measure of the grain in the fan, or implement used in winnowing it *

"There are grants existing, creating *Talooks*, or districts, which the holder, or Talookdar, obtained by purchase, or as a reward, and empowering him to pay at once to the treasury, others conveying the lands to be held as *Altungha*, hereditary, and exempt from contribution to the revenue, and a third in which the revenues were devoted to religious purposes ('Asiatic Researches,' ii) but these are so rare that they deserve no more than this transient notice

"The system almost universally obtaining, was that which allotted the possessory right of lands varying in extent from ten to thirty English acres, to the ryots, or terre-tenants These they held under a lease, or pottah, condutioned to pay a certain rent, generally in grain, and varying in amount from one fourth to one half of the annual produce Such rent constituting the revenue of every sovereign, was collected by means of semindars, who were neither more nor leasthan local revenue officers appointed by an official writing minutely detailing their dates. But in all, the zemindars collected the revenue arising from the land, with the duty superadded of being judges of the disputes and offences accruing within their districts †

" It does not alter the character of the appointment or the interest taken by the zemindar, that it was usually renewed to his her, because such her could not enter upon his office or perform its datase until he had received the zemindary summad, or official appointment, and this was in general not obtained without

• (Ind Rec 11 200) In Mysore Dr Buchanan found that the farmer had to pay the fol lowing contributions from his crop -His heap of gran is usually about 3000 seers Of this is first set apart--

rain 19 1	usually about 3000 seers Of this is first set i	part	-
For t	he gods or rather for the priests	5 5	eers
	harity to the Brahmins and other mendicants	5	,
For t	he astrologer	1	
	hereditary Brahmin of the village	1	,
	Barber	2	,,
	Potter	2	
,	Corpenter and blacksmith	2 2	1
	Washerman	2	,
	Measurer	4	
	Beadle	7	"
	Chief of the village	59	,
,		200	,
	Watchman	10	
	Conductor of the water	20	,
	-	314	

This haves a remainder of 686 seers Of this government takes ten per cent and then half of the resultue so that when all these drams have been satisfied and the grower remains in possession of 1200 seers of rice and from these he has to satisfied a rad his officiers. Upon his oldur, crops the exactions are different, but quite as heavy in proportion to their value (Buchanan s Misore 1 26-)

It may be remarked that the types are lable to another inconvenience if their zerondar be in arrear to government, for they are not allowed to touch the produce of their lands until the government is satisfied with the security given by the zerondar-and this, when cotton is cult vated, is a very sensus injury + The remarks of Mr Johnstone are apparently not applicable to all India Certainly not

+ The remarks of Mr Johnstone are apparently not applicable to all India Certainly not in their severity. Most of the zemindras arc, in the optimes of an authority in whom we have the *utmost relvance* 'in a flourishing condition and the revenue of Bengal and the North West Provinces us collected without the signification that on a retrains "-w M H S

heavy payments to superior officers, which will be viewed as legitimate fees by some, but by others as bribes to be re extorted from the miseiable ryots

"The 'Institutes of Timour,' the founder of the Mogul Empire, direct the cultivators of the soil to be protected, wisely assigning as a reason, 'that the run of the subject causes the imperial revenues to diminish,' and the same policy is recommended in the more modern roval dictates of the *Ayeen Acbery*, but these were only theoretical views of the court and there was no trace of their spirit in practice. The zemindar was directed to be checked by the canongo and tharkar, other officials attached to his zemindary, but in practice they only moreased the number of those who preyed upon the ryots

"By giving the perpetual proprietary to the zemindar, the power, the uncon trolled and hereditary power, to continue his oppressions has been conferred It is true that the root has also the hereditary right of occupancy, but there is no sufficient security to him that the zemindar shall not impoverish, or even force him to abandon his land, by increased exactions, whenever pique or necessity shall suggest the oppression This is not what was intended by Marquis Cornwallis, for he replied to an objection of Mr Shore (afterwards Lord Teignmouth), -f if you mean that after having declared the zemindar proprietor of the soil, in order to be consistent, we have no right to prevent his imposing new abovabs, or taxes, on the lands in cultivation. I must differ from you in opinion .--- unless we suppose the ryots to be the absolute slaves of the zemindars, every biggah of land possessed by them must have been cultivated under an express or implied agreement, that a certain sum should be paid for each biggah of produce, and no Every abovab, or tax, imposed by a zemindar above that sum is not only more a breach of that agreement, but a direct violation of the established laws of the country The cultivator has in such case an undoubted right to apply to government for the protection of his property, and the government is at all times bound to afford him redress '

"The intention to protect the ryot is manifest, but that the intention has been ineffective, that the legal institutions have not been sufficiently protective, and that agriculture and the revenue have consequently declined, are notorious facts."

"The poverty of the native ryot[†] is so extreme that he cannot afford in most instances, to fatten even poultry for the market, much less sheep[†] or oxen. The money to be advanced for their food is beyond his means, and even supposing he has the industry and foresight to suggest and sustain the attempt, in the far greater majority of instances he must be checked by being unable to purchase the grain necessary for the animal, or to risk what would sustain his family for months on the distant promise of receiving it sgain with an increase—a promise

[•] This is quite wrong meither the agricultur, nor the revenue have declined Look to the commercial and maneral returns from India for the last twenty years -W H S if J here is not one yots wife in a hundred between the Himalayas and Cape Comorin who

¹ There is not one ryots wife in a hundred between the Himalayas and Cape Comorna who has not some gold or silver ornament upon her person '-W H S 1 This ryot does not keep sheep it is a particular class, the dhunghiers or shepherds, who

t Tim ryot does not keep sheep it is a particular class, the dhunghiers or shepherds, who keep flocks --W H S

OBTENTAL COMMERCE

so hable to be frustrated by the rapacity of his landlord, and the uncertainty of his tenure

"It would not be difficult to demonstrate that all the obstacles to improvement which have been enumerated-even the want of capital-arise immediately or remotely from one source-national ignorance, and the late Lord W Bentinck was never more correct than when he said, that for all the evils of the Indian system-the poverty, inferiority, and degradation to which it gives rise-' knowledge. knowledge, knowledge is the universal cure

"Lord William Bentinck has recorded his opinion in favour of establishing small farms throughout the provinces of India, as seminaries, or rather as examples of improved modes of cultivation they would afford not only illustrations of what can be effected by an improved system of farming, but also be the nurseries from whence the seeds and plants of better varieties might be diffused "

In the year 1820, the Agricultural and Horticultural Society of India was instituted at Calcuita It has since then become useful and prosperous. It has a valuable and rapidly increasing library and museum * There are, also, several provincial societies

• In 1840 the Agricultural Museum of Calcutta received seven large and fifteen small packets of grape seeds of sorts fifteen large packets of musk melon seed four ditto water-melon one ditto large istambol or scented melon three duto small istambol or miniature scented melon three duto large pomegranate seeds, two ditto small shah toot h, or roval mulberry, three ditto apple pips one ditto pears, one ditto quince and two ditto large pumpkin This handsome consignment of seeds has been received from Affghanistan from Colonel Stacy

I usi iaanaame coasignmento ai seeta nab neen tecevired *itom Angganistan* itom Coinel Sincy who resider at present at Candohar The Havour of the musik melon is described by the donor as delicons and so of the water-melon The istanbio melon is not eatern but is carred in the land to smell to as this watery expectially the hitle istanbio melon is mote esteemed for its lovely scent The shah tool h or royal mulberry, is nearly the size, and has all the flavour of the English Lind

These seeds were freely distributed to the members present, and but few now remain for applicapts.

A small bundle of flax prepared from the rhea plant (urlice most) of the province of Assampresented by Captain Jentins,

This fibre is described by Captain Jenkins as being in universal use for the manufacture of fishing-nets and lines At present there is little trade in it being only grown in such quantities issuing-bets and meet as here there is not ever a new or new going one goon the set of an array of the set of it is remarkably strong and is very likely to make good lines. A sample of the root of a plant which the natives use as glue and call "serais The plant is

not cultivated but grows wild in quantities near Candahar-presented by Colonel Stacy

Dr Spry mentioned that he had tried some experiments with this gelatinous root by boiling and macerating it in water but he had been maable to extract any strong adhesive quality Further trials would probably give other results

Samples of ica from Assam consisting of 'Young Hyson," Toichu Peko" ' Pouchong" Isson Chatear" Souchong" Big Gunpowder" Hyson Skin " and Little Gunpowder" Hyson - presented by the Secretary The Honourable the President on these samples being submitted begged to mention to the

meeting the circamstance that the society was indebted for these samples to the secretary who had obtained them from the Assam Company as one of the shareholders whereas the society who has a orianted unent trem the assamt Company as one of the same noncers whereas the society who had made an application for a supply two months ago had not received a particle although he understood that some was coming. He thought in future, wherever the society had any applica-tion of this sort again to make it had better go direct to government, instead of applying naiversily through committees

A large bale of acclimated Upland Georgia Cotton-presented by Colonel Skinner

Three samples of indigenous cotton from Jalown in Bundlekund-presented by Captain Showers

Specimens of two kinds of gum, one known by the people of the jungles as the plasal or bites-

There is an Agricultural and Horticultural Society at Madras, and one also at Bombay

CERAILA OF INDIA

OATS (Avena sativa) -About Allahabad outs are called bilatee jou, foreign barley

Kinds -Districts -Only one kind is grown here, and this chiefly in Behar and the North-Western Provinces

sar very much resembling the kino of the buten frondosa, of a beautiful lake colour and the other the gum of the bahera tree

Lieutenant Littoe, who presents these to the Society states that the leaf of the tree whence the piasal is obtained yields a yellow dye as well as the chips of the wood The Bahera true* yields an immense quantity of gum which appears in quality to resemble the ordinary gum Senesal of commerce and is largely partaken of by the Choosis and Coles as food It could be col-lected Lieutenant Littoe states, in large quantities in the Midnapore forests. The Perer another tree of these parts yields a very hard adhesive gum of a clear white colour, and there are several grgantic creepers that also yield gum In the passes there are many fine Saul timber trees, and the mountain ash thrives well, and is much esteemed by the natives for bangines bows ic &c Licony also is plentiful and there is a powerfully aromatic grass resembling the famous grass oil of Mhow The country (Upper Baumunghatti) would do well for any kind of cultivation

A small bale of Egyptian cotton brought from Alexandrus-presented by Colonel Frith

The plant and thre of the Moogah -presented by Mr D W H Speed

The thre is a good deal used by the natives and appeared on examination to be the Sanse-viera Zeylanica of Roxburgh Mr Speed found that it was prepared from the leaves which were gradually beat either after or without soaking in water On testing the strength of a single fibre Mr. Speed found that the thicker bore seven ounces while the fine broke at five ounces. The The space of the root of the plant is esteemed in fevers by the Hukeems

Minute specimens of China nankeen cotton and Beerbhoom brown cotton-presented by Mr J W Laidlay

Mr Laidiay in a recent visit to the straits, has been able to obtain some seeds direct from China of the Nankeen cotton plant, and is now engaged in experiments upon the usefulness of this variety of the plant in the climate of Bengal. The brown cotton of Berebloom, of which Mr Laidiay furnishes the sample is the indigenous sort that he is unxious to supersed.

Nine Brazil yams brought to India in the ship Atterion--presented by Mr Bellairs Mr Bollairs has tasted a part of the supply and hading them very superior to wind Bengal furnishes he thought they might be worth the acceptance of the society

Dr Spry mentioned, that he had lost no time in forwarding a molety of the supply to the nursery and distributing the remainder where attention was likely to be paid to their cultivation I wo apricots (in spirits) grown at Barripore-presented by Mr R S Homfray

A bundle of fibre prepared from the plantain tree and a small quantity of hemp from the alos eaf-presented by Mr Michael Betts

In his note which accompanied his present, Mr Betts states that having been attracted by a remark in the "London Price Current, of the 2nd of December last from the respectable house of Messes Fry Griffith and Co that considerable supplies of a new sort of hemp from the stalk of the plantam tree had realised from 6d to 8d per lb he turned his attention to it and endeavoured to prepare the article but the process he adopted was very slow and be thought Mr Betts asks for my suggestions that the socie ty might be able to that it would not answer offer and it was mentioned that the mode of preparing the fibre in Manilia as described in the hist volume of the 'Transactions of the Society might be recommended Apricot cherry melons cabbage clover (two sorts) almonds cytress, quince and China astor

seeds from Affi hanistan-presented by Colonel Smith

Colonel South fears that few of these will grow in a Bengal climate the rains being so heavy Nemutch and Mhow are be thinks the finest climates for acclimating cold country plants in, and considers it a pity there is not a horticultural garden at these stations

A log of oak walnut, and cedar (deodar) from the Himalayas - presented by Captain Caune

Plant stem flower and bark of the paper plant of Nepaul, called in the linguage of the country Datercoon or Daircoon (coun being for a tree) from the hills about Darjeling-presented by Dr. Pearson, civil surgeon at Darjeling

Sail -- The soil which grows the best oats is a light loam, or chur land, that has been subjected to inundation

Seed -It is difficult to get unmixed seed, or seed that is free from admixture The quantity to each higgab of 14,400 square feet of barley or other giain

Dr Spry in submitting this specimen to the meeting mentioned that a full description of this plant, which is the Daphne Cannabina of Lawreire and D Odorata of Thunberg has been fully described by Dr Wallich, in the thirteenth volume of the "Asiatic Researches, and is the identical plant whence the almost imperishable paper of Nepaul (the particulars of which, by Mr Hodgson and Dr Campbell are to be found recorded in the fifth volume of the 'Transactions of the Society") is prepared. The flower is full of odour and much resembles the jessamine in smell A sketch of the plant on Nepaul paper is to be found in Dr Wallich's description For its fibre, too, the plant would seem to be well worthy attention

Seeds and corns of various kinds from the hills about Darjehng

Dr Pearson who forwards these as a contribution from the Darieling Plantation Society mentions that there are at least, three if not four sorts of oak at Darjeling One an immense tree, affording a dark mottled timber, in appearance much like the English heart of oak, from forty to sixty feet long and six or seven feet in diameter or even large still One sort is what is called Phelant,* in Nepaul, and is said to resemble the she onk" in Australia. It grows to forty or fifty feet long, but Dr Pearson has not seen any that are more than two fuet and a half, or three feet at rece song, use or rearrou has not seen any crast are more mone two ice and a hall, or three left at most, in duranter The wood is close grantack, reddiah brown in colour and mottled and exceed-ingly tough though easily split It makes excellent tool-handles superior, added to ash uself and would Dr Person considers, be valuable for gun carranges for, although it splits readily yet it is a tough strong wood and does not fly in splinters besides warping less, and heing less affected by the weather than any wood with which Dr Person is acquainted

Some of the seeds forwarded are reported by Dr Pearson to afford flowers of a delicious fragrance one resembles a myrile—a second a cherry—a third, a chestnut—a fourth a large tree, having a broad leaf and most beautiful flower which hangs in clusters, and varies in shades of colour from deep crimson to hight scarlist—a fifth are the seeds of a large, tall, and very beautiful itee, having a leaf and wood which is very like the holly—and a axit, is the Geelah *D* r Pearson further stated that the consignment of plants sent by the Society to the Darjeling Garden, reached for the most part safe and in tolerable good order A second supply of vices currant, apple and pear-trees, from the Cape sent up by Mr Bruce, reached in such excellent condition that Dr Pearson is anxious to give the particulars of packing It appears the plants were packed in a long trackee with a quantity of reddsh earth around them gade need, so much so that at first new Dr Pearson thought them rotten but on examination found all to be alree and some to be building Some plants sent from America which were packed amidst dry moss without earth and in tin cases reached in a dead state. The Darjeling garden is getting on better. Dr. Pearson states, than could be expected English potatoes and have bees are much wanted at Darjeling

Specimens of ginger cotton and wild yam produced in the neighbourhood of Darjeling, and collected m the vallevs by the Lepchas presented by Dr Pearson who mentions in his note that the yam plant is a creeper having a feat much like a pawe left but twice like size at the root of which the yam is found at a depth of from three to four or five, and even six feet 1 is quite unculturated even self sown yet of a flavour and whiteness far surpassing that of the vaim of the plains some specimens are, however of a prokish purple hue. Dr Campbell and Lieutenant Monigomery, from whom these particulars were obtained by Dr Pearson saw the plaint growing in abundance on a recent expedition which they have been making In the Lepcha language, the plant is called Bookli, in Purbuttiah Turool and in Bhoteeah Kew

The ginger was pronounced to be a very superior article and well worthy of attention The cotton is indifferent.

The from the Tipperah Hills. Mr Watt who forwards the leaves, states, that while on a tour in the Tipperah Hills last month (February) his party came on large tracts of trees from which the leaves sent were taken and considering it to be the ten plant a quantity of the leaves were taken into camp and prepared in a rough way by roasting in a fry pan and then influed in holing water. The result was considering the hasty manner in which the article was goo tup, the influesion had really a very agreeable flavour of ordinary tea.

The examination of the leaf excited much curionity among the members present, from the curcumstance of such an abundant supply of tea being found so near home as the Tipperah Hills, and although it was difficult, from the leaf merely to pronounce whether it belonged to the genus thea or camelia, yet, in point of importance, the distinction was not likely to prove of great considera-tion The fact of the specimen sent imparting the flavour of ordinary tea shows how closely allied these two genera are

* Phalaat by the Parbuttees! Quercus Annulata --- W H S

† Mimosa Scandeus.

varies from ten to sixteen seer, and it is generally thrown broadcast, though where the drill is used the crop is better and more even. The sowing is in October and November

Cuer an etimum - This is known in England as the chick pea, and is the gram of the Bengallee English In Hindostance, chenna

The above plant has purple flowers, but there is a variety characterised by its petals being white This is called in Bengallee habhbut, or sadabut

The Lentil (cicer lens) - This is extensively cultivated in Bengal and the adjoining provinces, being called by the natives musoor

For these leguminous plants the same cultivation is required

Soil -This ought to be light and dry In general the poorest spots are

Thirteen specimens of wool from various quarters of the globe-submitted by Mr Robert 5 mill

China aster plants in full bloom-exhibited by Dr Spry

These plants were raised from seed furnished by Colonel Smyth, of the third cavalry when at Cabul The flowers vary in colour Some are white others purple and one plant is giving double flowers of a delicate peach blossom in colour

Towers of a deficate peace nuessoun in concur Coffee herm and seeds of the annatic and sapan trees—presented by Dr Strong Dr Strong designs the bukhum * or sapan seeds for distribution among members as it forms a prickly goad hedge and is a valiable wood for its dye The coff.e was grown by Dr Strong at Rassapuglah and was dred as recommended by the London brokers, without sun and has not the marks and blomishes the sample formerly sent to London by Dr Strong had which had been dried upon a masonry floor and in the sun, which cluses the berry to crack dries it too much and, in fact spoils it for taste and sale

Fleeces of four sheep that obtained the prizes at the last Cattle Exhibition No 1 an imported Merino ram No 2 a Merino ram lamb bred in 1839 No 3 a Merino ewe lamb bred in 1839 No 4 a half bred eac lamb by a Merino rain and Patna ewe in 1839-presented by Mr Gibbon

Six maunds of the Mauritius pois noire or black bean from the society's nursery

A bag of the pois noire direct from the Mauritius

Mr Hugon who forwards this present states that on the island of Mauritius these beans are sown in the old came hilds and by the thick covering they allow difficient to the failuring the beans are of some in the old came hilds and by the thick covering they allow difficient to fer thilds in tertored in two or three years I is of hards growth and hardly requires any care. The bean affords a cheep and good mountainment for cuttle.

It was also stated at the meeting that these beans when young afford an excellent dish for the dinner table and in Hindu tan is an admirable substitute for the broad bean of Europe

A sample of cotion from the third generation of acclimatea Peruviau plants-presented by Nr W C Harry

Mr Hurry states that he has no doubt that any quantity required could be grown in Bengal The plants are remarkably large and woody and bear well +

The leaves flower and fruit of the purple-fruited Granadilla described in Part XVI of the Lacyclopædia of Gardening p 989-presented by Major Wood A machine for separating cotton from the sced This machine was made as an improvement

on the Guzerat Churka it has been invented by Mr John Potter, of Manchester and differs from the machine lately sent out to India as the invention of Mr Houldsworth of Glasgow Any number of them can be set in motion by an adequate moving power a bullock could turn twenty or thirty of them That shown to the society is one of several lately imported into Calcutta-ex hibited by Owen Potter Esq

A sample of black pepper, from a garden at Barripore, about sixteen miles from Calcuttapresented by Mr Homfray

This pepper is very good of its kind and the plant whence it is obtained grows luxuriously at Barripoic where, it appears it was introduced some years also by a gentleman from the eastward The tree yields abundantly and grows without requiring any husbandry Mr Homfray will readily furnish cuttings to any one desirous of obtaining them

Cæsalpina Sapan -- W 11 S

+ This remark coincides with the experience of Mr Quantin at Palmasdeah, near Sook Saugor where the Peruvian cotton seed has improved under acclimitation -W H S

allotted to them, and, as no manure is given, the produce is very small In Mysore C arcetinum is often sown alternately with the cynosurus corocanus

Ploughings, varying from five to eight in number, are given to the land during the last days of August, or early in September

About sixteen seers of *chenna* are sown per biggah in Poonah and other districts of western Indu About twenty seers are so employed in Bengal and the neighbouring districts Of the lentil, not more than one fourth so much seed is used, as it is grown conjointly with other crops

Chenna is sown in dulls nine inches apart, but those are at much wider intervals to allow for the other crop The seed is covered in by drawing another furrow with the plough close to the one in which the seed has been inserted

No hoeing or other labour is bestowed upon them The produce is ripe in three months after seed sowing

The crop is drawn up by hand, dried for five or six days in the sunshine, and the seed is trodden out. In Mysore they stack the crop for a week before they expose it to the sun

Of chenna about six or seven maunds per biggah is an average crop, and of the lentil somewhat less than half that amount

In Bengal, and in the vicinity of the Gauges generally, chenna is the grain usually given to horses, but in Mysore, and other more southern parts of the Pennsula, it is less generally cultivated, and is used by the natives as food, as also extensively in Bengal, when parched, or separated from the husk like split pess

¹ Black Gram (Phaseolus Mar) or Kolaye, is a pulse, when split, as peas, it is used as Dall or Doll, the real Dholl being produced by the Cystuk cayon It is used as food, but is considered inferior to the green gram, or P mingo the latter is sown about Poonah in June, and four guilons of seed are sown per acre in Mysore In the North Circars it yields about thirty-fold In Behar, Sc, it is sown among the millet crop, about half a seer per biggah and this produces usually three or four bushels During the rains, it is sometimes, in the North Circars, sown upon high-lying soils, which do not long retain moisture in excess, but the chief growth is upon rice lands, during the cold scason Immediately the rice has been cut, the ground is watered, unless rain occurs, and a slight ploughing given The grain is sown whilst the soil contrances most, and the harrowing is performed by the aid of a bush No further attention is paid to the crop The copious dews of the season afford it sufficient moissture I habout they leve weeks from sowing, the reaping takes place

The grain is nutritious and agreeable in fluvour The stems are not used as odder, indeed, the cattle usually reject it—and with those which do not, it is said to disagree

P radiatus -In all Southern India, a soil moderately tenacious is preferred.

if not liable by mundation, or low situation, to be troubled by excessive moisture

Sowing and Cultivation - The ploughing in Mysore for this crop, commences about the last week in February, and is repeated three times between that and the second week of March A second crop is sown about the middle of September If there has not been rain recently, before the first ploughing, the field The seed is sown about half a bushel per acre, immediately must be watered before the third ploughing, which serves instead of any other mode of covering the seed The crop is neither manured, watered, nor weeded In the Northern Circars, and other parts of this side of India, it is generally sown about the close of the rains, early in November, either alone, or with some coloninferous plant In Nepaul, they sow twice annually-in May or June, and in August or September It is there often sown, in the months first named, along with Bhutmas It ripens in August or September, and is then pulled up by the roots, and the Bhutmas, which is then only in flower, is allowed to remain in the ground until ripe, in October and November Double crops are not at all general in Nepaul, as they are in the plains-the above two instances being almost the only ones in The summer crop of oorid is less productive, but its dal is reckoned of use higher flavour than the autumn one The latter furnishes all of this article used in feeding cattle and horses, and is the only grain given to live stock in Nepaul The after culture of the leguminous crops consists of repeated weeding with the hand-hie, and their reaping is performed either by pulling the pods from the standing crop, or by pulling the crop up by the roots and beating out the seed In Mysore, the harvesting is nearly similar when ripe, the plants are pulled up by the roots, stacked for three days, dried in the sun for two more, and the seed is then trodden out

The seed of this plant is more esteemed than any other pulse, and the straw, on this side of India, is considered a nourishing folder, but in Mysore it is held to be permicious to cattle, and is burnt, or thrown upon the dunghill

P aureus — This is cultivated, like the last named species, in Bengal and Nepaul

P torosus - Seems to be a crop peculiar to Nepaul

P accountifulius — Is much cultivated in Oude, and in parts of Western India It is sown in June, and harvested in November

P calcaratus — This species is cultivated in Mysore Dr Roxburgh says that in the botanic garden at Calcutta it thrives well, continuing in blossom and ripe ung its seed through the year

Sesame (sesamum orientale) -- This grain is cultivated throughout India

The S indicum of Linnæus is only a robust variety of this species, cultivated at a different season This plant is not unlike hemp, but the stalk is cleaner and semi transparent The flower also is so gaudy, that a field in blossom looks like

ORIENTAL COMMERCE

a bed in a florist's gaiden , and its aromatic fragrance does not aid to dispel such delusion

It flourables most upon land which is light and fertile The fragrance of the oil is perceptibly weaker when obtained from seed produced on wet, tenacious soils

A gallon of seed seems to be the usual quantity sown upon an acre In Bengal, the S orientale is sown during February, and the crop harvested at the end of May, but the S indicum is sown on high, dry soil, in the early part of the rains of June, and the harvest occurs in September About Poonah it is sown in June, and harvested in November In Nepaul two crops are obtained annually one is sown as a first crop in April and May, and reaped in October and November, the other, as an autumn crop, after the Gohya rice, in August and September, and reaped in November and December

Cultivation -It is cultivated precisely like the phaseolus mungo

Harvesting — In Mysore, after being cut, it is stacked for a week, then exposed to the sun for three days, but gathered into heaps at night, and between every two days of such drying it is kept a day in the heap By this process the pods burst, and shed their seeds without thrashing

It is cultivated for its oil (the gingeli), which is the one chiefly employed by the natives in their cultinary operations. The oil is certainly fitted for the purpose by its aromatic savour

The flour is used, after the oil is expressed, in making cakes The straw is consumed as fuel and as a manure +

Mustard (Sinapis dichotoma) — This plant is commonly cultivated near Calcutta, in the twenty-four Pergunnahs

Alluvial soils on the banks of rivers, or upland soils which contain rather more than the usual proportion of allumina, but in either situation, moderately fertile are best suited to this crop

The finest crops in Bengal are grown upon the banks of the Ganges When the waters subside in October, which is the general time for sowing it, and the surface of the soil deposited sufficiently dry to be stirred into a fine talth, the seed is sown broad cast, and no other pains taken to cover it than by drawing the branch of a free over the surface

The S ramosa is the only one cultivated at Poorneah as a separate crop, the white seeded being grown with wheat and grain, one seer of seed being sown on a biggah

In Nepaul, much attention is paid to the cultivation of this crop

Use -- It is cultivated here for the sake of its oil The essential oil, from which arises its pungency as a condiment, is so much inferior to that produced in Eng-

• Trans Agri Hort Soc iv 132

+ Buchanan s " Mysore," 1 95

434

land, that the flour of the English seed, after the fixed oil has been expressed, is imported into India for domestic use

The potato (solanum tuberosum) produced in Bengal is little inferior in flavour to that grown in England, though the size of each tuber and the weight of crop are smaller \bullet

There is one important quality in the pointo, pointing out its culture as especially meriting encouragement, namely, that a dry season, which is so unfivour able to the rice crop, is beneficial to the potato

Dr Tennant states, "that some years previous to 1797, a gentleman distinbuted two hoat-loads of potatoes to supply sets in the neighbourhood of Cawnpore, and the quantity annually cultivated had gradually continued to increase from that ture"

Colonel Sykes says "wheat is dear in India,† in comparison with other grains, which are numerous, and in India wheat forms the food of only a small part of the population, and piobably seventy or eighty millions of souls live upon grains whose names are scarcely known except to the learned in Europe, but which, nevertheless, are productive, nourishing, and wholesome. It is equally a mistake to suppose that the people of India live upon rice. That grain is very frequently twice the price of wheat (excepting in a few localities), and can only be used by the masses who dwell in low lands where Nature floods the soil periodically, and where the absence of any mirked inclination in the country admits of the easy retention of the water. Wherever works for irrigation are necessary, an en hanced price of the products is the consequence, and in proportion to this enhancement is the limited consumption by the people. Rice, therefore, produced by artificial irrigation, is scarcely within the reach of the lower classes.

^c The following are some of the bread gruins produced in India and Arabia ---Belonging to the Khurreef, or wet season harvest, jowaree, or jondla (holcus vorghum, or andropogan sorghum), is most extensively cultivated Of this

t Averages for J	BBNCAL. uly 1645 for Pifty	three Towns		SNGLAND November 1846 M	ark Lane
Quantity of Whest procur ble for the Rupse of * About *74 po od or 1/2 bd per guarter	procurable for the R spec of 2s	Quantity of Dhall proc rable for the Ruper of 2s About 40% p up is or 23s 6d per guarter	Quant ty of W heat procurable for the S im of 2# About 1 pounds at the average mar ket quotation of 57# per quarter		Quantity of Peas procurable for the Sum of 2s About 19 pounds at the average ma ket q ota tion of 32s the quarter

 This remark has reference only to Lower Bengal where the soil abounds with sand, but in Blugulpore in Poorneah, in Tirboot &c I have seen them ', says Mr Speed as largesized as the average in Bugland or IrLand-say three or four to the seer

Note - Average which of wheat is all ty pecuals to the hole of sight bushels or 460 poonds to the quarter -It is he could be a significant of the set of the significant of the signif species there are eight varieties From a single head of one variety (Shaloo), taken at random, I have obtained 2895 perfect seeds The grain, which is about the size of white mustard seed, is sweet, palatable, and nutritive The next n ost commonly cultivated grain is baira, or sujgoora (holcus spiculus, or paincum spicatum) Under favourable circumstances there are from two to eight heads to one stalk, and I have obtained 2120 seeds from a single head, which, in the case of eight heads, would give a return of 16,960 for one. The grain is somewhat larger than canary seed The grain is rable, or kungnee (panicum Italicum) There are two varieties, each stalk generally with one head, giving a return of 1850 for one The next grain is bhadlee (panicum miliaceum), the plant has sometimes three or four stalks, but each with one head only The grain bearing panicums, however, are not limited to these, for so numerous are they in Ceylon, that Moon, in his 'Catalogue of Ceylon plants,' gives Latin names to no less than thirty distinct species Kodroo is the next grain (paspalum frumentaceum), one of its Mabratta names is bhurtse, in allusion to its extraordinary fertility The stalks from one seed vary from four to eleven, but on the edges of a field, where the plants have an opportunity of spreading. I have counted twenty stalks radiating from a single root Each head averages 1083 seeds, and for the plant with twenty stalks, there would be a return of 21,660 for one But on the 15th of September, 1825, near Serroor, I counted thirty three heads of grams on a single plant, each head averaging 1860 seeds, giving the astonishing return of 61,380 seeds for one The average of seven heads to a plant would give a return of 7581 for one The grain is the size of a pin s head

"Mukka, or Indian corn (Zea mayz), comes next It is not usually cultivated as a bread guan, but when nearly npe, the head is fried and eaten with butter or sugar Should the farmer have more than he can consume in this state, the rest is allowed to mpen, and the seed is ground into flour. The stalk sometimes reaches the height of from mue to twelve feet. This is the 'Indian corn' whose importation into England from America has so essentially contributed in the late scarcely to releve the sufferings of the people

"Kice is cultivated wherever physical circumstances are favourable to it. It is called dhan or bhat (aryza satua) The natives in Western India consider that there are at least eight or ten species of nee, and very many varieties But Mr Moon, in his 'Catalogue of the Plants of Ceylon,' gives the names of no less than 160 varieties, from the wild nee to the most deheate, each having its Cingalese native name—bird's beak, melon, sprigless, red hare's chin, leafless, while jointed gold, ratian leaved, &c., &c., and each of these names M Moon has translated into English. The return in the Deccan is reckoned at about thirty to one A very important grain is natchnee, or ragee (elessue coracana, or cynourus coracanus). The grain is much valued by the poor, from its hardhood, abundant return, wholesomeness, and cheapness.

at 200 for one Sawa is mother cultivated panicum, but the species is not satisfactorily ascertained The grain is of the size and form of a canary seed, but blackish, the return about 48 for one Wurce is the last of the bread grains of the khurreef, or wet-season harvest This is said to be the *coix barbata* It is small, of the size, colour, and character of the canary seed, the return, 240 for one The pulses and legumes of the khurreef harvest are too numerous to detail

"Of the rubbee, or spring, or dry-season harvest, the principal bread-grain produce is wheat, of which there are four varieties, two of which have such peculiar and permanent characters as to justify their being designated species All the wheats are bearded. The first is bukshee, the next kupleh. the third kateb, and the fourth potavoi All the varieties have from two to twenty five stalks from the same root, and I have a specimen in my possession with twenty-five stalks The first gives a return of about eighty-one for one The kupleh has the husk closely attached to the grain, whence its name Examining a field on the 20th of February, 1825, I found few plants with less than ten stalks, and the grains from some of the heads were nine-twentieths of an inch long, and the lower glumes were treble seeded, each head averaging fifty eight grains This would give a return of 580 for one, but with twenty five ears the return would be 1450 for one The katch, so named from the seed terminating in a prickle, or point, gives a return of from 384 to 480 for one, and the potayai, which is a short-bellied grain, whence its name, returns about 210 for one *

"Urburce, or chemna (cuer artetinum), forms a part of every farmer's culturation It is a highly valuable pulse, although chiefly given to horses in India as a substitute for oats and barley, it is used, nevertheless, by the people in a variety of ways, as split peas in Europe, and when parched, travellers live for days upon it on a journey, it is made into puddings and stirabout, and it is even used as a bread-grain, being ground into flour and made into cakes. There are four varieties The returns upon a plant range from fifty-eight up to 170 seeds. The grain is about the size of a marrow-fat pea, and in form is like a ram is head (whence its name). The shaloo, or jowarce, is that variety or species of holear, or andropogon, which is sown at the end of the rans, unlike the rest of the varieties, and it belongs therefore to the spring barvest. The giain is held in high estimation, and is the general food of those of the lower orders who do not inhabit the mountannous or jungly tracts. It ripes in February I ascertained that the average return in one head of the plant was about 1514 seeds for one

"Jau, or 10-barley-(hordeum hexastichon) Barley is not generally cultivated, and is seldom used for blead, but it is necessary in many sacrificial coremonies

^{*} The wheats ripen in January and February

of the Hindoos Four varieties are mentioned in Hindoo books" "On the 1st of February, 1826," says Colonel Sykes, "I found some fields of barley ripening at Tulleghur, on a table land in the Deccan, about 3000 feet above the sea, and in March I met with some fields in the desh, or open country, at less than 2000 feet above the sea, latitude 18 deg to 19 deg north, the plants averaging fire heads of grung, and grung a return of 240 for one

"Watamb, or muthur (pisum salinum)—peas—are culturated, but not so extensively as gram (cicer) They are used precisely as gram is used, but are not so much esteemed

"Dhall (cylinus cajan) This shrub produces the universal substitute for the split pea of Europe, but it is a much sweeter and more agreeable pulse than the pea"

PRICES OF CERALIA IN INDIA

WE are under great obligations to Colonel Sykes, for the following statistical prices &c, of the grains of India

"The first Price List (see Table I hereafter) gives the average number of seen per rupee of 2s at seven different markets in the collectorates of the Deccan, under the Bombay Presidency, from the years 1827 to 1845, inclusive The grains are wheat, rice, gram baira, and jowaree In this table the averages are given in the local seers of the markets, for the most embarrassing discrepancies exist in the magnitude of measures of the same denomination even at neighbouring villages, and this fact should be generally known to prevent misconceptions in regard to the absolute value of local means of supply I present the table, also, in its present state, to warn the speculator against an entire reliance, even upon a system of averages for a series of years and particularly to guard him against a reliance upon the prices of any one year continuing in the following or succeeding years In fact, the produce of the khurreef harvest is dependent on the continuous but temperate supply of water during the monsoon and the crops should be equally removed from the extremes of being drowned or dried up In the rubbee, or spring, or dry season harvest, the crops are influenced by the amount of dew deposited, and departures from a normal state in all these matters produce the most violent fluctuations in prices For instance, the prices of the khurreef produce at Indapoor fluctuated from 104 seers and 18 seers of bayra per rupee, in 1840 and 1932 respectively, to 58 seers and 54 seers in the years 1837 and 1828 respectively. The extreme range between any one year at any one of the seven markets and any other year was, from 15} seers at Indapoor, in 1845, to 64 seers at Kulus, in 1828 It will be observed, also, that the prices at the seven markets sometimes differ widely from each other in the same year. In the produce of the rubbee, or dry-season crop, we find wheat varying in price, at Kulus, from 13 seers, in 1845 to 42 seers, in 1837, and at Sewnere, in the same years, from 13 seers to 44 seers The extreme range in the nine-teen years, appears to have been from 12 seers, in the Mawals, or hilly tracts, in 1845, to 44 seers, at Sewnere, in 1837 These facts offer sufficiently instructive lessons and as the figures used are averages of prices for the year in each market the fluctuations within the year, were they known, might exhibit greater discrepancies

"Table II, presents the local seer measures of No. 1 reduced to Induan seer measures, each seer containing 14 400 graws weight avoid-upois of bajra, which, from the uniformity and unchangeableness of the seed, is looked upon as the best standard by which to fix the capacity of a native measure. This plan, however, is not so ethicent as one I recommended to the government of Bombay twenty years ago. With a view to insure uniformity is weights and measures throughout the Deccan, i suggested that the

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Company a rupee should be the multiple, whether for weights or measures and that measures of capacity, without regard to form, should continn a quanity of water at the ordinary temperature equal to the weight of 1 prescribed number of rupees. This would have insured sufficient exactness for all practical purposes and the means of testing the accuracy of the weights and measures would alwave have been available to the collectors and magnitudes, however, remains to be adopted preserved. This simple pien, however, remains to be adopted

"The reduction of the local measures of Table II into Indian measures was effected by Mr Chapman (civil engineer for the Bombay railway) and must have been a work of infinite labour, as he had to accertain the eract value of each local seer The annual averages in Indian seers, so reduced were converted by me into avoirdupois weight, and consequent upon that last conversion the price per quarter English has been determined, and the following are the results —

GRAINS	Indian Seers per Rupee average of Nineteen Years	Indian Secre in A oirdupois Weight,	Prices per Quarter Boghab
Wbeat Rice Grim B jra J waree	number 31 5 19ths 3 17 19ths 29 12-19ths 10 7 19ths 44 16 19 hs	1bs og 64 5 36 13 60 5 62 10 100 8	s d 14 10 0 7 10tbs per lb. 15 11 11 7 9 f

' It is thus shown that an average of years gives 64 lbs 5 oz of wheat for 2s, 36 lbs 13 oz of rice, and 1001 lbs of that nutritious grain, jowaree (holcus sorghum) for 2s a sufficiency to support a man for two months at least if the dietary in the prisons of the North Western Provinces and Bengal be taken as a standard In these prisons the daily allowance to a convict is from I lb to 2 lbs of wheaten flour regulated by the nature and duration of the hard labout to which the convict may be condemned But Table II shows that in 1828 the average price of jowaree gave nearly 137 lbs avoirdupois for 2s , so that a man could support himself for much less than a halfpenny per diem and get fat upon it But if reference be made to Table No I, it is seen that at Kulus in the years 1828 and 1843, there were eighty local seers of jowarce per rupee or 404; Indian seers, equal to 204 lbs avoirdupois for 2s or more than 2 lbs for a faithing so that a man could live for less than a farthing per diem for the cost of meal In wheat it is seen that the average prices in 1828 and 1836 were 301 and 31 § Indian seers per rupee equivalent to 74 lbs and 754 lbs avoirdupois. The above bread grains at such cheap rates, are within a moderate distance of the sea-coast But Tables III, III . III . carry us further inland and the cheapnes is very much greater. These tables are from Colonel Sleeman the commissioner of the Sugger and Nerbuddah territorics, and give the prices at seven markets within his commission, rship from 1831 to 1840, inclusive, and from 1843 to 1846, both inclusive but the prices of wheat grum and rice only are given. In these tables it is shown that at Baitool in 1843 as much as 167 lbs wourdupois of wheat were sold for 2s, and at the seven markets enumerated the price varied in the year only from 5s 6d per quarter English to 6s 81 In succeeding years the prices were slightly enhanced, but in 1846 traine prices ruled, owing to the failure of the monsoon that is to say at Baitool the price of wheat which in 1843 was 5s 6d per quarter, became 21s 8d But the average prices of wheat at the seven markets for the years 1843, 1844, and 1845 was 7s 6id per quarter, gram similarly was 7s 74d per quarter and sice 4s 44d per ewith but the ten years preceding, from 1831 to 1840, the average price of wheat was 10x 6d per quarter (Table III**)

⁴ Table IV gives the prices at Hodungabal for various periods upon the turbinity of Colond Uosels the principal assistant agent to the governor general. Mr Chapman has reduced part of this table to the price per tun in taviur of wheat grim and rice, from the years 1922 to 1838, both inclusive. The prices are separately given for November the swing time, and June, the storing time. Prices are somewhat dearer at stwing time but not markedly so. The fluctuations in prices in this long period are less than might be expected. If will suffice to give the maximum and maximum prices of wheat, gram, and rice, at the sowing or dearest time In 1826 wheat was 5s the quarter, gram, 3s 7d per quarter, and rice 283 lbs for 1d, or 33 96 lbs for 1s. or 3s $\frac{1}{2}$ d, per cwt In 1883 the monsoon failed, and in 1834 famine prices ruled in consequence Wheat was 23s 10d per quarter, gram, 14s 9d per quarter, and rice was 1 46 lbs for 1d, or 17 55 lbs for 1s, or 6s 5d per cwt. The average prices for these sixteen years, including the years of dearth were, wheat, 10s 83d per quarter, gram, 7s 11d. per quarter, and rice, 4s 73d per cwt. As I would rather lean to the unfavourable view of prices than to the favourable, I shall not give the prices in harvest time

" Table V was supplied by the resident at Nagpoor, Colonel Spiers, and contains the accounts of the quantities, and the price of salt imported into Nagpoor in 1846, the cost of carriage to and from the coast, and the prices of grains for the years 1843, 1844, and 1845, but as the monsoon had failed in all these years, particularly in the last, little use can be made of this table Nevertheless, wheat in 1843 was 1134 ibs for 2s or 8s 7d per quarter, and in 1845, the scarcity year, 59% lbs for 2s, or 16s 1d per quarter, and the average of the three years was 884 lbs for 2s, or 10s 10d per quarter The average of the cheapest rice, 594 lbs for 2s or 3s 9d per cwt, and the dearest 385 lbs for 2s, or 5s 11d per cwt The cheapest gram, 824 los for 2s, or 11s 8d per quarter, the duarest 583 lbs for 2s, or 16s $4\frac{1}{3}d$ per quarter, and the average 733 lbs for 2s, or 13s 1d per quarter It is seen from Colonel Spiers's memorandum that the cost of taking cotton or other produce from Nagpoor to Bombay and back is 50 rupees for 7 maunds (about 19s 5d per cwt), but this is for the double journey , and the single trip, supposing the cart loaded both ways, would cost 9s 84d, per cwt., or above 1d per ib If the cost of carriage be in Nagpoor rupees the above sums are respectively los 5d and 78 84d

"Table VI gives the proces of race, wheat nowares, bayra, and gram, in Goorat, at the curse of Ahmedubak, Khara, Broach, and Surat, on the 15th of August, 1846 As the proces are only for one year, and that a year of scarcity, they cannot afford any guide for the usual prices in Goorat. It will suffice to state that the average price of wheat at Ahmedubak, was 276 secress per truppes, (55§ lbs) or 17s 114, per quarter, the cheapest, was as 7 secres (72 lbs), and the dearest, 24 secres (42) lbs, while at Broach the average was only 12 65 secres (25§ lbs), how the highest 1120 secres (23 lbs). The average price of ruce at Ahmedubad 25 secre (524 lbs), and the dearest, 24 secres (42) lbs, while at Broach the average as a of a 26 secres (253 lbs). The average price of ruce at Ahmedubad 25 secre (524 lbs), secres (714 bbs), or 13s 5d, per quarter, bayra, 27 secres per rupec, (56 lbs), or 16e 11d per quarter, bayra, 27 secres per rupec, 56 lbs).

" fables VII and VIII give the retail prices respectively at fifty-three and fifty six military stations in the Bengal presidency for the years 1845 and 1846 of bread-stuffs, beef, mution, butter, sugar, fowls, &c These tables labour under great disadvantages, as they do not give the wholesale prices of any article, and are only for two years, and those years of comparative scarcity But even with these disadvantages it is found that wheat in 1845 averaged 57 lbs 10 oz. for 2s, or 16s 8d per quarter, the first sort of sice, 25 lbs. 7 oz for 2s, or 300 of a penny pet lb or 8s 91d per cwt, and the third sort of ice, 45 lbs 4 oz for 2s or $\frac{1}{705}$ of a penny per lb, or 4s 11d per cwt, dhall, or spht peas 40 lbs 12 oz for 2s or 23s 6d per quarter, flour, 31 lbs for 2s, or $\frac{1}{705}$ of a penny per lb sugar candy 6 lbs 103d oz per rupee, or 33d per lb, sait, of the first sort, 20 lbs 9 oz per rupee, or 14d per lb or 10s 11d per cwt But these averiges would be fallacious guides were the merchant to allow them to influence his purchases and the return, therefore, affords a useful lesson, that even averages in sta tistics may mislead bor instance the average price of rice is 25 lb. 7 oz and of the second kind, 45 lbs 4 oz, while at Chittagong, a place accessible by sea, it is respectively 82% lbs and 102% lbs per capee, or 2s. 81d and 2s 21d per cut, and the same feature is observable in some other articles With respect to the price of meat and fowls, it is seen hat bullocks varied in price from 5 rupees, or 10s per head, at Chunar to 7 rupees 10 annas, or 15s 6d at Calcutta, and 20 rupres, or 40s at Allahabari sheep vary from 5 rupees 2 annas or 10s 3d , at Calcutta, to half a rupee, or 1s , at Benares and the ordinary price would appear to be about 2s 6d for a sheep Fowls are classed in three sorts, and vary in price from two, three, and four at Lucknow, of the respective sorts, per rupee, to twenty of the first and second sort, at Almorah In the return for

1846 the prices are somewhat enhanced, but not sufficiently so to render it necessary to go into detuis

SALT MONOPOLY — We object to all monopolies, and to all export duties When the optum monopoly is abolished in India, we would, however, upon fiscal grounds alone consider an export duty on optum justifiable. The salt monopoly, though an undoubted exil, was formerly far more so than since a great reduction of price was made by the Company, and from the following statement of Colonel Sikes, the oppressive character of this monopoly appears to have been greatly exaggerated —

" Salt *--- It has been shown that the average price of the best salt was 20 lbs 9 oz. for 2s varying at different places from 54 lbs at Calcutta or 88s 11d per cwt (refined for European families?) to 494 lbs at Cuttack or 4s 64d per cwt, but it will be recollected that these are the retail prices of a monopolised article. The duty on imported salt into India has been twice reduced within the last three years. On the 18th of October, 1844 it was ordered by the supreme government to be reduced from 34 runces (6s 6d) to 8 rupees (6s) per maund of 823 lbs avoirdupois On the 31st of March 1847, it was further reduced to 23 rupees or 5s 6d per 823 lbs At the previous period the government store salt in Bengal was directed to be sold wholesale at prices varying according to the reputation of the salt at the ten places of manufacture + from \$56 runces per 100 maunds (82281 lbs) of Madras salt to 400 runces for Cuttack salt On the 31 t of March, 1847, the prices were further reduced to 331 rupees and 375 rupees per 100 mounds for the sult of the same places respectively, and the government pledged itself not to alter these prices before the 1st of April, 1849. It is thus seen that the wholesale price of the Madris salt was about 25 lbs per rupee, or 12} lbs for 1s, or something less than 1d per lb and that of Cuttack salt about 204 lbs per rupce At C doutty therefore the retail price (54 lbs) of the best salt was four times that of the wholes de price and generally in the Bengal province, excepting at Cuttack and Chiti igong where the market retail price was lower than the government wholesale price (strange 14 it may appear), the profits to the wholesale purchaser must have been very considerable indeed But in case we look to prices in the North Western Provinces, Bundlecund Malwa and our newly-acquired provinces beyond the Sutley in the Punjub the anomalous and starting fict presents itself that the retail prices, with few exceptions, are below the wholesale prices in Ben_al showing that there is a source of supply independent of the government sales For instance, at sixteen stations from Cilcuits to Allahabad (always excepting Cuttack and Chittagong) the average retail price of the best sait is 124 ibs for 2s, a little more than half the wholesale price of Cuttack salt 204 lbs , but beyond the limits of Allahabad, at twenty nine stations, the Contact sait 207 is , one hyperbolic terms of a contact, it is that it was part only overnament was only 205 is while the wholes it process a supplied from the western coast up by overnament was only 205 is for 2π Maspoor a supplied from the western coast of Indv. and on the 30th of July, 1846, the price of sait was 307, rupees per kundee of 611 lbs avoirdupois giving not quite 20 lbs per rupee Nappoor, therefore, could net have been the channel of supply But at Kheir, in the Poona collectorate under the Bombay government the following are the prices of salt in the respective years -

YEARS	Local 5 ra	Idan Sers	Tolas
1810	31 32	43 10	25 64
154	33	42	8
180	30 31	3A 30	20
h 15	21	30	4 5

The average is nearly 35 Indian seers per ruppe, or 72 lbs avoirdupois instead of 201 lbs, as in Ben al, and 20 lbs as at Nagpoor or 234 lbs, as in the North-Western

See Remarks on Taxation &c hereafter

+ Hed, diec Tumbook, 24 Pergunnalis Chuttagong Arracan, Kurra, Cuttack, Balasore, Khurdah Madias Provinces the western coast no doubt, therefore, supplies Central India and Bundlecund to some evtent but the North-Western Provinces are probably supplied from the sait beds of the Punjaub, or from the sait lakes of Ajmere It is right here to state that the sait tax in the North-Western Provinces is leved as a customs duty only

" Very much has been written regarding the pressure of the salt monopoly upon the people of India, and the above facts and prices afford the means of putting the value of the assertion to a practical test, and for fixing the real portion of a man s wages which he is compelled to expend upon salt as a necessary of life In the first place the so called monopoly is confined to Bengal, where the average retail price of the best salt is about 204 lbs per rupee Various native authorities concur in stating that a single man consumes one seer of salt (14,400 grains) per month, but that a family average about three-quarters of a seer (10,800 grains) In the gaols of the North-Western Provinces a convict is allowed 225 grains per diem, which, for thirty days, is 450 grains less than half a seer, and is 250 grains less than one pound avoirdupois, and it is looked upon as ample But taking three-quarters of a seer per head (10,800 grains), or even one seer (14,400 grains), the rupees worth of the best salt, which the poor do not consume, would last a man, in the first case, 131 months, and in the second case 10 months, and as the average wages of an agricultural labourer are three rupees, or 6s per month, and all other classes have higher wages, it results that one-third of a month's wages supplies a man's salt for 134 months, at 10,800 grains, or three-quarters of a seer per month, or at the allowance of one seer per month, two shillings worth of salt lasts him ten months, three-quarters of a seer per month costing him about the fourth of a farthing per diem, and one seer costing a scarcely appreciable fraction more And yet it has been deliberately asserted in print, for selfish purposes, that a year's salt for a labourer costs him three months' wages But if the Kheir average price of 35 seers per rupee be used, then 35 seers will last a man 35 months, at a cost of Jaths of a penny per month, or 0 025 of a penny per diem, and a glance at the Tables VII and VIII will show that two shillings' worth of salt at many places in the North-Western Provinces will last a man from eight to twenty-three months At Calcutta the retail price of 54 ibs is 2s (although it is shown the government sell 204 lbs to 25 lbs for 2s), no doubt presses severely upon a poor man, for a third of a month's wages, or 2s , would supply him with only three months' salt, instead of thirty-five, eighteen, or ten months' salt, as elsewhere but this must be the price of refined sait which of course is not used by the poor This severe pressure, however, exists only in Calcutta, and is to be attributed to the cupidity of the retailers, and not to the government In Bombay, from an invoice of 200 tons of salt in July, 1945, of Messis Nicol and Co, sent to Calcutta the cost to then, including excise duty of 1s 6d per 824 lbs, and carriage from Tanneh to Bombay by water, was 2s 53d per cwt , there were, therefore, 45 seers or 924 lbs for 2s, and a third of a labourer's monthly wages at 3 rupees per mensem, would supply him with salt for forty-five months The wholesale price of salt in London varied in the years 1844 and 1815 from 37s (coarse) to 45s (fine) per ton, and in 1846 and 1847 from 35s (coarse) to 47s (fine) per ton

PLACES	Wheat, per Quarter	Rice per Cwt.	Gram per Quinter	Flour Ibs per Rupce	Peas or Dhall per Quarter	Jowaree per Quarter	Bajra per Quarter	Sugar per Cut.	Balt, per Cwt
London November 1848 London June ist 1847 Beeral 671y three markets } 1845 and 1846 Beeral imports by sea Dec an arrayses of niceleen	o d. 57 0 103 0 16 5	3 d 21 0 24 6 4 11 50 8 9 <u>4</u> }	* d 14 9	11 31	4 4 52 0 69 10 23 6	e d	• 4	53 00 53 00 50	2 de 5 0 10 11 11 4
years Nagooor averages of three years	14 11 5 6 10 7 6] 10 10	6 22 4 42 { 3 9 } { 20 } 5 31 }	15 11 7 ~} 13 1		13 2	96 80	11 7		8 I 9 1§
Goograf averages of one year of soarcity Hushungaba h averages of subtem years	17 11 10 95	43 41	28 0 - 11			1a 5	16 11	C 16 01	
Londos 1846 of June 1847 Rombay 1845 Cuttack	92 2	$ \begin{bmatrix} 34 & 0 \\ 20 & 6 \\ 35 & 0 \\ 15 & 0 \end{bmatrix} $			59 6			$ \left\{ \begin{array}{c} 46 & 0 \\ ca & 0 \\ 33 & 0 \\ bo \\ 46 \\ 46 \end{array} \right\} $	{ 1 0 *0 \$ 4} 2 5 <u>3</u> 4 0

"The following table exhibits the final results of prices in contrast ---

"I annex Messrs Nicols invoice of salt from Bombay, and for record and comparison add the contract prices of the supplies to the East India Company's Military College at Addiscombe •

^aIt now remains to consider whether the prices given of the circalia in India offer sufficient inducement to the speculator, in seasons of scarcity in Europe, to look to India for supplies *Prima face* the case is conclusive from the comparatively remarkable ch apness of grain and pulse in India, but the element of the cost of transit from India to England must now be taken into consideration and this will be best done by putting it into juxtaposition with the cost of the freight of wheat from the most distant sources of supply in Europe, namely Odessa and Alexandria The following statement is from the information of a gentleman in Mark Laue, of great experience in the cont trade Another consideration also is, the loss occasioned by the destruction of the grain by weenis in transit

"" The price of fine Polsh Odessa red wheat at Odessa, free on board, no ordinary years, is from 25 to 32s per quarter This corn weighs from 604 bis to 614 bis per tushel Preights from Odessa to London are from 65 of to 55 of or 95 per quarter The ordinary duration of the voyage is two months This year (1847) some vessels have been four months on the passage and some only sur weeks

""At Alexandria the price in ordinary years is from 18s to 25s per quarter free on board, weight 56 lbs to 59 lbs per bushel freight 6s to 7s per quarter. The duration of the voyage much the same as from Odessa, the principal detention being at the Gut of Gibraltar.

 Since the above was written Lieut Burke of the Bombay Engencers in an official report to government descriptions a superficial deposit of good salt upon the Cutch frontier of Sunde near Lieput Bunder capable of supplying, one bundled millions of people for above 1000 years at 20 lb yer head per annum This salt could be delivered at Boubuy at 5s per ton while Chesturs all put ou board ship at Licerpool is 122 per ton " The prices would, doubtless, be brought down by plentiful harvests at home, and free access to all the world for wheat

"It is believed that the weer is bred within the grains of the wheat, the egg being deposited at some period during the formation of the grain, for the insect has often been found in the middle of grains which were on the outside perfectly sound After the imsect has eaten its way out of its native grain, no doubt it proceeds to attack others. It has also been seen in four brought from India in a metal cansier hermetically isself

"That the length of the voyage does not produce the weeval is proved by the fact that cargoes of wheat come from Australia perfectly free from it and in the finest possible condition although often nunc months on board, and the wheats of Australia fetch the very highest prices in the English markets

"The wheats of Poland brought from Odessa are rarely infected with weevil, so also those from the ports of the Baltic When it occurs in these it is to be traced to mismanagement, such as storing the grain in foul warehouses, &c

"But the wheats from Turkey, Egypt, the Italian States, and Spain, are almost mvariably attacked with weevils In some cases of great neglect the insect has eaten half the weight of the grain

""Whoats from the Baltic, when they arrive "out of condition," are hot and most The heat acoust to arise from a vegetable fermentation occasioned by the damp state in which the grain must have been gathered and put into bulk But those from the Mediterranean when hot (and they are very hot) are dry The heat is dissipated at once by the mere act of separation in the process of unloading, but it immediately returns on the grain lying again in bulk It apparently arises from the quantity of samal life in the grain of the second sec

""When grain is received in the last-mentioned state it is put into conical heaps The weevil always seeks the top, in due time, therefore, the top of each cone is taken off, and with it the greater part of the weevil "This process, and the previous ravages of the insect of course desiroy much valuable grain

" From comparisons of the wheats grown in different countries it is inferred that the weevil is produced most plentifally, if not exclusively, in wheats grown in a climate which is unduly dry

"Supposing the above view of the origin of the weevil to be accurate, it is not beleved that the substitution of threshing machines for the bullocks and earthen floors used in India would remedy this evil, although they would improve the article in other respects, and it is also thought that insect life, while in the egg, will endure without destruction any heat to which the grain can be safely subjected "American wheats of which ill his year, 1847, little has been imported, do not

" American wheats, of which till this year, 1847, little has been imported, do not stand high in the estimation of English millers, they do not hise the soit on which they are grown. Little has been done with them in ordinary years to supply trustworthy facts as to costs and freights.

" Indian wheats, if they can be brought over in good condition, are likely to be much approved

² Such are the opnions of a trustworthy and experienced person and if the lowest price attack of Odesa where the takes, 255 per quarter, and the lowest rate of freight G d per quarter, then a ton of wheat would be introduced unit England at a cost of 116s Bd for the cost price of the wheat, and 205 ad for freight making a total cost per ton of 146s 11d. Freights from India vary excessively, but assuming a very high freight of 50 of the perturbed of the price of the wheat, and 205 ad for freight making a total cost wheat in the preceding tables, namely, 18s 1d per quarter, or 515 per ton then the cost of a ton of Indian value table and under the order of a ton of Indian value table and 100 for the price of a ton of Cantum value table and 10 Freight is 1d per quarter, or 515 per ton then the cost of a ton of Indian value table and 10 Freight and 10 to import the Tom India Set with respect to other granns, some of which are three or four times cheaper than wheat; the same objection would not text; and they might be imported to a great profit, even in ordinary sessons, could a taste for them be indiced. But m sessons of scarcity like that of the quarter than the price of wheat has arread in the London market from 57s per quarter than the price of wheat has price wheat in form 57s per quarter than the price of the size of the mode market form 57s per quarter than the price of the these of the price of the size
ter (266s per ton, in November, 1846), to 102s per quarter (476s per ton, on January, 1st, 1817,) then India may be looked to with confidence for a supply, rendering large protist to the importer I ladia having the advantage also of ripening its grant crops in January and February, five months before those of Europe are available. It may be objected that a larger demand upon India would greatly raise prices, and probabily permanently so but my reply to this objection is that about two-fifths of the whole fertile voli of India are at present untiled, and would necessarily be brought into culturation to meet an increased demand for cereal supplies

LOCALITIES	1827	1828	1820	1830	1831	1632	1833	1634	1885	1836	1637	1639	1930	1840	1841	1842	1843	1644	194:
WHEAT	No	No	No	No	No	No	No	10	No		No	No	No		No	10	10	No	No
Sewacre	22	32	27	18	28	21	23	18	32		44	34	26			246	32	25	13
Brahmunwareo	23	32	26	30	26	13	¥3‡	<u> 1</u> 9	82	32	31	2 đ	21	23	23	31	33	241	12
f ano d	50	32	23	32	39	16	16	31	214		23	28	22	20	20	24	24	~0	13
Poorundhur	25	25	264	24	28	133	224	21	25		31	21	201	25	23	39	32	24	16
Ind poor	14	30	23	95	24	17	16	21	25	30	34	31	21	25	29	25	24	25	14
Kulus Mawul	ંશ્વ	224	30	30	28 19	24 10	17	30 28	26 26	30 30	42 16	36 \$0	18	38 20	2J 24	20 23	96 30	25 20	13
RICE Sownere	1	1				1	- -	_		-				·					
Brahmunwaree		1		1	1					i .				¢	1			İ.	Ł
Pauloi	19	21	17	23	10	12	13	22	92	16	16		10		11	16	16	18	111
Poorendber	1.0	-	17	2.5	1 10	142	1.4	, 24 .	-	10	10		- 1C	14		10	10	1.0	1.9
Indepoor	6	104	10	94	94	9	10	1 12	108	114	91	- 04	10	13	13	1.1	12	12	84
Kulu	11	102	10	1 10	10	1 มั	13	11	15	14	15		14	13	14	1 12	14	115	12
Mawn1	111	10		24	1 12		174		52	18	24	23	11.		21	11	24	1 13	1 12
Ju a wut	- i	<u> </u>	1	2			1/9			10		- 24		19	21			-19	l
GRAM.	29	1		20	26	38	۱ <u>.</u>	30	32]″ ≰∩	42	34	18	281				25	19
Brahmunwaren	284	40	3	20	26		24		28	34	36	253	20	28	34	36	37		112
Paub 1	28			181		1 135		16	25	34	26	33	20	20	35	31	24	1 20	13
Poerandher	23	27	20	2 1	24	20		191	231		521	41	in.	944		32	32	34	1 13
Indapoor	24	22	29	25	13	13	18	20	19	. 42	31	18	19	1 17	28	25	30	34	12
Kulas	18	18	14	16	. 15	38	10	1 18	15	16	20	20	24	24	30	81	29	26	1 12
Mawel.	1.0	10	1.4	22	116	194		22	26		29	95	10	1 17	24	22	3)	23	19
70 a w 01.		.i	<u>.</u>			1.2							10						1.1
BAJRA Sewoere	971	49	20	311	33	22	26	1 32	29	i 34	40	214	32	39	32	30	3	36	16
Bral munwaree	26	38	304		21	0.					40	15	Ĵ.	1 36	311	38	•61	254	117
Parbol	33	1 48	44	44	46	18	22	40	37	32	38	34		33	32	37	- x2	24	1 16
Perrundhur	32	371	84	26	. 30	2.1	324	304	30	32	314	274	274	33	894	41	40	- 54	117
Indapoor	30	1 54	33	38	39		38	41	40	44	58	29	6		41	34	30	- 23	1 16
h las	31	64		36	43	25	35	36	36	1.24	54	31	44	48	48	-	54	29	' 17
Mawul		1.04		314		1 20	184			28	27	20	20	2.4		28	34	22	
			<u> </u>	_														<u> </u>	
JOWAREE	1 39	·		82	40	36	89	i 36		32	34	39	36	38			48		
Brahmunwaree	39	44	۰		38	201			-10/		54	34	30	- 38 3a	48	41	48	(30) 281	18
Paubul	30	34	31/	44	38	201	24	- 48	1 39	33	40	- 46	36	36	34		14	201	17
Porundhur	44	40		32	្រំ	23	351		139	26	414	-40			35	44	30	. 3 1	10
ladapoor	39	- 40 50	36	42	1 40	- 11	44	46	1 46	1 60	66	42	30	18	16	- 20 6	30	1.19	17
K L	36	80	56	60	56	- 26	5	. 56	. 59	. 36	72	50	40	66	52	56	81	36	20
Mwul	30	90	1 36	40	22	1 33	1 in	36	1 34	33	1.5	25	20	32	1 38	20		30	1 40

TABLE I —Annual Average of Local Seers of Gram per Rupes of Two Shillings at Seven Localities in the Collectorates of the Deccan, from the Year 1827 to 1845, both inclusive

TABLE II .- Average Prices of Bread Stuffs, Rice, and Gram at Seven Markets in the Collectorates of the Deccan, from the Years 1827 to 1845, both inclusive, together with the Weight Avoirdupois for Two Shillings, and the Price per Quarter English

GRAIN	1897	1828	Ţ	1629) 16	30	383	1	1885	5	833	. 13	34	183	1	836	383	1	1855	1825		B4Q	184	1	1849	18	43	1944	18	45	Sre		Avoi p0		pi	-P i 9 Q	187 187
Wheat.	20 1-0	No 26)-		N 1 5-6			No 32 5		No 34-		No. (-7			No 32		to 97			No 4 4-7	No 26 5-		No 2-7	N 0 32 2		No 9 6-3			No 8 5			N-		ibs 64	n2. 3		14	1) 7-10
Bice	15 5-6	17	1	1 a	20	ы	1, 3	-1	7	þ	14	20	ы	91 I-	4/18	1-2	18 3	-	611	16 3-	4 18		18	ŀ	9 1-4	19	8-7 I	19 I-	2 ['] 13 '	2-3	7 17	-19	36	13	K	è	r 15 25 owt
Gram Bayra	34 5-6	36 4-	6 4:	5 5-1	1 42	27	41 1	- 12	54	7 3	5-7	45	3-7	41	141	1-7	50 3	-713	5)-)	30 2	71.10	- T.	i i i	-716	62.7	47	12	11	7 20		9 19 40 7-		82	5	Ľ		11
Jowaroe	41.1-0	66 1-	2 .	14	51	1-0	15 6	- 13	2 5	7 41	4	52	27	42 2	7 50	1-7	60 N	-714	6 5-3	45 3	-7 51	3-7	53 2	-7 6	1 4-1	'6 3	3-7 5	3 6-	7 X3		18_16	-19	390	8_	I		6

Norz -The scers are reduced from the local seers in Table 1 to Indian Seers of 10 400 grains avairdupols each

DISTRICTS		1843			1644			1643			1846	·····
	Wheat	Gram	Race	Wheat,	Gram,	Bico	Wheat	Gram	Blee	Wheat	Gran	Ano
Saugor Dimola Johnola Johnipoor Seenee Nursingpore Hosburgabad Baucol	mi s ch 1 29 134 1 23 0 1 34 194 1 34 94 1 29 15 1 26 31 2 1 15	m + ch 1 27 7 1 38 2 1 35 113 1 35 113 1 11 65 1 12 101	m s, ch 0 26 74 0 35 0 0 25 0 0 23 114 0 24 114	10 8 Ch 1 26 74 1 27 10 2 0 44 1 3.0 144 2 7 1 f 37 0 1 37 84	tn s ch 3 29 1 3 30 6 \$ 29 13 1 28 4 2 11 14 1 37 2 1 7 8	m 6 ch 0 24 9 0 33 18 0 24 1 0 24 4 0 24 4	m s ch 3 1 15 1 0 13 1 13 125 0 36 12 1 6 74 5 4 144 6 36 12	To s ch 1 2 1 1 0 1 1 26 1 0 30 5 1 11 1 1 0 1 0 37 14	10 s ch 0 21 124 0 23 84 0 29 84 0 16 1 0 17 114	n ch 0 26 4 0 14 0 0 36 7 0 12 13 0 31 16 0 14 10 0 4 P	m r b 0 27 s 0 30 0 1 3 5 0 32 13 1 5 10 0 23 0 0 4 9	0 21 4 0 21 4 0 38 13 0 16 9 0 14 0 0 14 6

TABLE III -Average Prices of Grain in the Saugor and Nerbudda Territories for Three Years, sold on Company's Rupees, from 1843

This was in the biginning of the year Prices rose afterwards 00 per cent from scarcity

Nors .- The mound in f 40 scere of 80 Company s topers each equal to 82 2 7ths lbs avoirdupois

The cupee used in a rest of an or and back is the Company a represented upward in as a runnargous the runner of a state of a state of the runner used in a suggest and the state of the the runner used in a suggest of the the runner user of the the runner user of the runner user o runes in all the districts W H BLEEMAN (Signed)

TARTE III *- Reduced Average Statement of Prices of Gram in the Saugor and Nerbudda Territories, beginning 1843 From a Table, No III by Colonel Sleeman, expressed in Maunds, Seers, and Chittacks, per Company's Rupee, the Values given here in Pence per Ton

1	Price per Quarter		1813			1844			1645			1846	
NAMES OF DISTRICTS	English of WJ nem 1845	W heat	Gram.	Rice	W beat	Gram	Rice	Wheat	Gram	Rice	Wheat	Gram	Rice
Saugor Dumuli Jubulpoor Secú o Nure ngpore Mashuagalad Dantool	5 6 6 6 6 8 6 10 5 11 7 5 6 4 5 6	pc026 pct top 355 578 395 178 335 815 335 815 360 / 59 3 6 518 308 843	pence per ton 371 373 320 569 358 739 330 ,56 48 177 1,5 ,01 419 921	940 172 707 690 1001~77 1050 207 872 609	pence per ton 376 785 370-343 2 -538 313 423 287 660 325 253 328 024	pence per ton 403 542 355 430 \$28 665 366 851 63 857 324 600 360 355	ionce per tou io19-021 762 533 i040 109 i237 3/4 1097 839	pence per tuo 557 185 613 646 460 808 693 571 530-805 557 705 681 482	pence per top 504-968 551 126 374 047 048 803 463 221 5 -771 060 624	pepre per ton 1151 137 1065 013 853 939 1559 100 1413 441	pence per ton 954 074 963 148 687 316 30 259 791 910 1017 033 1192 501	pence per ton 010 707 834 818 576 227 763 259 848 919 1088 983 1192 390	per ce per ton 1178 562 1231 265 12 '9 434 1 88 880 1788 *83
Average price per ton in pence	1	353 000	31 000	916 000	320 000	321000	1031 000	494 000	538 000	1208 000			

. This was in the beginning of the year Prices rose afterwards 50 per cent from scarcity

TABLE III **-Statement (in Pence per Ton) of the Average Price of Wheat in the Districts of the Saugor and Nerbudda Territories, from the Year 1831 to 1840, A D Reduced from the Statement of the Commissioner, dated 6th of December 1841

NAMES OF DISTRICTS	Rate per Ton in Lence	Rate per Ton 10 Per ce	Rate per Ton in Pence	Rate per Tou in Peuce	Rate per Ton in ficase	Rate per Ton in Pence	Rate per Ion in Pence	Rate per Ton ip Pence	Rate per Ton iu i nce	Raie per Tom i Pince
Maalo or pormore	30th of May 1831	0th (別a) 1832	30tl of May 16.13	30th of Muy 1834	30th of May 1835	30th of May 1830	30th of May 1837	30th of May 1838	30th of May 1839	30 h of May 1849
Saucot	438 433	1136 383	1006 812	yr of famine	911 743	716 196	631 041	1092-222	909 673	761 8/5
Dumoh	083 807	10 180	50 335	32: 578	470 57 J	676 577	6 6 877	1001 777	94 018	945 073
Jubulgeer	184 638	1473 201	663 117	1192 592	758 912	659 064	715 555	834 515	715 555	762 628
Sconce	560 (32	657-97	919.062	1053 123	7 J9 413	714 280	602 800	057 982	471 999	545 928
Hoshungabad	\$12 ×1	+63 247	1340 170	1016 243	1046 243	554 234	603 480	6"48.8	713 ანა	G81 -{81
Baitool	451 760	443 604	yr of famine	531 35	874 048	441 319	461 684	405 165	604 890	574 908
Pence per tou average	7216	964 5	935 9	1010-000	849 000	637 000	618 5	708.5	727 000	719 090

Nors -- The average of the whole was 705 peuce per ton or 10s. 6d per quarter

ORIENTAL COMMERCE

1	NOVEME	ER OR SOWI	G TIME	JUNE, OR STO	RING TIME AF	TER HARVES
BARS		Peace per Ton			Pence per Ton	
Ĩ	Wheat	Gram	flace	Wheat	Gram	Rice.
	đ	d.	d	ď.	4	d
1822-28	061 159	612 413	1144 971	407 914	39% 251	1194 753
1924	429 364	298 983	696.939	336 024	273)3	840 283
1825	441 810	317 356	152 668	322 023	217 .13	1500 998
1826	280 018	1./9 125	J0 279	264 403	195 014	9.36 519
1627	311 184	338 017	908 510	466 700	879 188	1040-742
1825	448 032	454-235	821 393	406 43	811 134	954 143
1810	405 57 1	231 876	772 648	541 579	336 024	90 279
1610	705 336	491 591	962 440	292 028	349 470	1039 948
1631	320-467	317 356	27 G4S	423 149	421 067	920 555
1632	414 845	376 478	7 59 168	1062-003	524 408	1099-815
18 13*	1071 337	575 197	1986 894	2294 316	696 939	16.00 1998
18341	1335 800	829 630	1530 074	761944	588 042	1611 6.2
3835	795 502	5"0 377	1057 854	906 510	639 65 1	1213 491
1830	725 379	438 780	902 288	502-481	369 *12	957 234
1837	647 936	449.288	964 514	535 798	36- 003	925 104
1938	583 894	460 478	1077 300	57 2 456	448-158	1140 923
Average 1	598 900	443 000	086 090	1		1

TABLE IV -- Price Current of Wheat, Gram (Chenna), and Rice, as by the Narikh Nameha kept in the Office of the Principal Assistant Agent of the Governor General -- Hoshwagabad*

Norm .- The fluctuations are entirely owing to good and had harvests.

 Reduced from the original table sout to no by Colonel Ouselay at the rate of 341 34 the avoirdapole per Mannee and 194 peace per Nagpare rives - J CHAPMAN
 Panine proces

Mawanawow"The bire of a loaded cart, carrying Gi or i maude (755 bit areidapous) from Bombay to Neg pore, of from Negrove to Bombay is 50 supers & (or 41 is 34 Accore surmers) it will travel for coss 13 to 14 milety per diren and arives it a 50 af Accore Mactery (saft (but head) head may will have the bowarts or 23 or 20 days Toe bire of a leaded buildet carrying i mausuid (23 × 11m is i repect or 14 abilitates or 11m, 64, of ar guing and returning from Negrow to Bombay i will have 15 or 60 (but head) poor dara.

TABLE V -List of Average	Rates of Grain, &c , at Nagpore,	during the Years 1843,
5	1844, and 1845	a ·

GBALN	1943	1844	1645	
GRAIN	Rate per Rapos	Rate per Rupee	Rate per Rupes	RBMARES
Wirest Chenna (cer Srietnam) Jeware. /Holens sorphum) Moong (Lizzeolus inveng) Bi (tona (i sum salium) Bi (tona (i sum salium) Bi (tona (i sum salium)	80000 85 40 69 40 40 40 40	46 194 199 471 574 424 358	40079. 2016 473 244 313 33 33 31	SC rupees weight a ster and 200 seers mak one kbuudet coutsus og 160 pa) lies, and 13 evers make one pailie
DICE OF DISFRENT GORTS Rembail 4th ant Di a nor 3rd ant Ciutree 3nd ant Bi lice Kumode ist ant Geod rice for guildmen.	35 30 22 20 16	28 24 21 78 15	2\$ 219 19 17] 131	
DUALL, QY DIFFERENT SORTS Toor dhall split pers (Cytisus Chian) Mong ditto (split) Mumoor Chenna	35 40 40 30	291 331 391 963	23) 25) 61 80	

Norm.-- The functuation in the prices of grain is caused by the variable fail of rain in the more soon Negpore, 2014 July 1816. (Signed) ALEX SPIRRS, Resident

.

			n 1	СВ			ł.	w	H	e a	T		1.	0	w J	R	вк			1	3 A	JR	٨	_			G R	•	м		
ZILLAH		-	[LOW CH		righest		afternar		COMON		Highert		Average		LOWCAL		Higuest		AV-TOGE		Lowest		Haugust	.	Average		Lovest		Highest	REMARKS
	•	٢	•	۱	•	,	•	t		1	*	t	•	t	8	t	8	t		1		t		,	•	t		t	8	t	Rice the average of
hmedabad	35	57	30	60	31	1	97	ſ	33	70	24	0	34	78	48	10	26	52	27	89	35	70	21	1	16	72	25	50	12	0	The rest the average 14 merkets The whol of the seco quaity used for get rai consumption Bics the average of markets
bara	16	63	20	0	14	40	22	53	98	0	21	0	83	50	4	0	25	0	30	0 0	33	40	•9	0	36	46	20	e	15	0	Gram the average of markets The rest the average 8 markets Soctarnal r ce and Wa jea wheat are given
meth	27	16	34	40	81	40	12	68	14	20	н	20	27	0	30	0	34	٥	23	4	96	0	2)	0	11	72	13	20	11	0	L this /illah The average of 8 marks Bajra, the average of markets Jowarce the average
irat	81	18	24	0	15	40	13	77	15	60	11	40	25	76	99	60	98	0	10	0	21	60	14	16 (19	25	15	20	11	0	9 markets Gram the average of markets The rest the average 12 markets Wadea rice is given a the second quality grain
1204	18	63	80	72	17	26	12	51	18	16	n	20	17	84	17	44	17	41	17	10	18	Q.	15	16	12	31	14	35	11	20	Jowarce the average 1 market The re t the average 5 markets Coarse ri o m given thus Zillah The average of 1
andelab	12	58	20	0	10	9	18	75	ม	0	14	86	29	33	36	54	22	0	25	14	88	0	20	54	16	53	90	0	18	30	The whole of the seco quality used f r nemi consumption

COMMERCIAL STATISTICS OF BRITISH INDIA

449

			1 8	Ċ B.	G R	A M			5 A	LT
STATIONS	Bleen weight per Seer	Wheat	Pirst Sort	Third Sort	Pitrit Sort.	Second Bart	Burley	Dhall	Piret Sort.	Second Sert
	8	Per Rupee	Per Rupce	Per Ropec	Per Ruppe	Per Rupec	Per Rupro	Per Rupes	Per Ropee	Per Bupee
Protectsor Outsets Berhausport. Decc. Berchausport. Chirrspeogle Chirrspeogle Chirrspeogle Chirrspeogle Berced Ber	80 80 80 80 80 80 80 80 80 80 80 80 80 8			n e c 0 37 8 20 1 0 37 8 20 1 10 0 20 20 1 10 0 20 20 1 10 0 20 20 1 10 0 20 20 0 23 0 23 10 0 0 23 10 0 10 0 10 0 16 17 6 16 16 0 16 0 16 0 16 0 16 0 16 0 0 0 0 0 13 0 0 0 18 5 0 0 18 5 0 0 18 5 0 0 0 18 5 0 0 0 0 18 5 0 0 0 0 0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	m n c 0 31 0 0 32 0 0 30 0 0 30 0 0 30 0 0 33 0 0 33 0 0 33 0 0 33 0 0 32 6 0 32 6 0 32 6 0 32 6 0 33 0 0 32 6 0 32 6 0 33 0 0 34 1 0 32 6 0 33 6 0 32 6 0 32 6 0 32 6 0 32 6 0 32 6 0 32<	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	max .		100 8 100 0 8 100 0 0 8 0 0 8 0 0 8 0 0 7 0 0 7 0 0 7 0 0 7 0 0 7 0 0 7 0 0 7 0 0 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10
Jühhulporo Hoahungabad Norgung Bandab Nagodo Nusscorabad Neemuch Furosepore Loodianah Suktur Heed Quarters Camp.	80 80 80 80 80 80 80 80 80 80 80	0 36 1 1 1 10 0 20 0 0 20 0 0 20 0 0 20 8 0 20 8 0 20 8 0 20 8 0 20 8 0 20 8 0 20 0 0 20 0	0 12 11 0 10 2 0 12 0 0 9 0 0 10 14 0 7 0 0 5 8 0 8 0 0 11 0 1 0 1 0 1 0 1 0 1 0 1 0	0 19 4 0 18 4 0 16 0 0 16 0 0 18 6 0 19 0 0 19 0 0 19 0 0 19 0 0 19 0 0 19 0 0 19 0	1 4 12 1 4 8 0 33 0 0 36 16 0 36 16 0 36 0 0 \$3 12 0 20 13 0 37 1 0 37 0	0377 02412 6212 0380 0380 0380	0 31 0 0 28 3 0 23 0 1 0 10 0 37 7	0 21 0 0 15 12 0 25 0 0 20 0 0 16 44 0 17 8 0 14 1 0 17 1 0 20 4	0 9 4 0 10 9 0 14 4 0 13 0 0 8 32 1 0 0 0 9 0 0 9 0 0 10 15	011 5 04 0 028 0 016 6 014 1
Gwallor Average	80	0 25 0 27 §	093	0 13 7 28	0 25 14			0 19 15 19 34-49	0 16 8 9 6 9	

TABLE VII --Price Current of Graun, Provisione, &c, at the several Stations of the Bengal Army, for the Month of July, 1845

Norn-An Indian maugd is 40 seers, each seer 14 400 grants aroirdupois A maund therefore weighs 83 2-7ths ibs a seer 2 0-7 lbs each seer of sixteen obstacks of 900 grains each.

Fort William Military Board Office, 1st of August 1845 W MACLEAN Socretary

	G	188	BR	FAD		sr iss D	r	0 11	s				1	<u>'a</u>
STATIONS	Coww	Bothlory	First Sort	Second 5 rt	Sheep		Pirat Sort	Sect ad Sort.	Third Sort	Mak	Oil Mustard	Sugar Candy	Flour	ance ir m Calcutta miles Remarks
	Per Rpoe	Pc r Rapio	P Ru	er per	Rach	Each	Pe	r Ruj	pee	i ør R pce	l er R pee	Per Ruper	Per Rupee	<u> </u>
Presidency Cuttack	3 R.M	m . c	No 28	No	5 2 0	r 9. p 7 10 g	No	No	No 6	0 13 0	070	10 1 11	1016 0 m # 5	N0
Bert amp 1 c	02 F 01 0 02 H	0 1 8 0 1 8	16	15			8	13	16	0 18 0 0 9 0 9 2 9 0	05 8	038	0 18 0 0 12 0 7 16 0	157 \ 8 157 \ 8 1342 * P 40 \ C
Cirr apoonje Di napor Hozare laugh Diriudab	0 2 10	034)4 14	1 37 15			4	6	8 18	0 16 0 0 35 0 0 32 0 0 30 0	06.0	038	0 8 0 0 14 0 0 11 0 0 9 4	(
B vares bec o u M zapore C'unar	0 1 4 0 2 10 0 2 14	0 2 12 0 4 10 0 2 14 0 2 13	10	18 14 3\$	U 8 0 1 9 2 0 12 0 1 0 0)) 8 8 6) 9 6	. 4	10	10 12 8	0 20 0	0 8 0	030 0333 048 034	0 15 0	425 N W 424 N N 4 3 N W 433 N W
B Xar C ruckpore Chszcepp e Juanpor Alleh Lad	0114	0214	24 8 116		0 12 4))	1 8	5	12 6 10	0 5 6 0 30 0 0 16 0 0 21 9	0381	0312 04 L 0312 04 0 03 4	015 8 016 5 015 6 013 6 013 0	30 X W -3 N W -10 N W -10 N W -10 N W
S diauspore L np re Lucknow Fu ty (bur	•	0114	18 J	18	2 84		32	6 4 3	1	0 20 0 0 18 0 0 18 0	07 4	04 0 0 1 1 0 0 1 0 0 0 1 0	014 8 014 5 0	4241 N W
D line Lan logr	9 2 5	0 2 0	16 25	26	1 80		4	6 4	8	0 30 0 0 17 12	0615	030 030 035 0212	014 0 024 8 011 6 016 0	10-1 N W 19- N W 19- U N W 19- U N W
Barr Uy Meorababad Stay hanpore Han c	0 2 4	\$	16	10			4	5	6	0 25 1	0 5 5 0 7 5 0 3 0	0 3 10	0 19 3 0 12 0	1~2 NW 12 NW 11 NW
Aimorch Lohoo Ghaut Ag Mutra	03	4028 1 9)210 4)210	12 92 20				1	8	6	0 21 0		04 0	0 11 0 0 16 12 1 16 0	101 NW NW 871 NW
Ally Chur Marposzeu Fra h Uni alloh H dar	62	3'0 ± 15 0 2 8 0 3 7 0		9	1 8	 	4 3	5 5 4	6	024 0	0 A 0 B 8 0 G	021 030 0312 030	0 41 0 0 19 8 0 10 0 1 13 13	817 N W 654 N W 1 N W 2 N W
H sar Saugor Jul bulgore Hoshungabad Nowg sug		0 0 0 0 3 0 3 4 0 2 13 4 0 2 13 4 0 2 13 4 13 13 13 13 13 13 13 13 13 13		16	14	1	5	0	7 8 13	0 20 0	0 - 8	03 4	0 15 0 0 22 0 0 16 0 0 1 6 0 17 0	101 N W 42 Gr 00 N 814 W 621 W
Bandai Nagode Nacote Nacote	02	6 0 2 10 9 0 2 12 2 2 3	12		4 4	1	G	7	8 5 5	0 0 0	06 6	03 9	0 14 0	513 W
P roz pore Loodia h C kkur Head qu riers Camp	02	1 (2 13 4 0 2 6	20	1			9.9	3	4	0 16 0	0515	63 0	0 13 1	1160 N W
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TABLE VII — Proce Current of Graup, Provisions, &c, at the several Stations of the Bungul Army for the Month of July 1845-(continued)

Notz-An Indiau maund in 40 eer each rit toi grafna a ird ipo 1 mauni therefore weighs & 27tha g unde a eer 2 057 poi ds each eer of 16 chatanka of 900 gra use i W NituEAN Sicritary

OBIENTAL COMMERCE

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			H I	CB	BOOT	GRAM			SALT
STATIONS	Sicca weight per Beer	15 heat	Fint Sart	Third Sort	First Sort	Second Sort	Barley	Dhall.	hurst Sort
		Per Rupre	Per Rupee	Per Rupte	Per Rupce	Per Ruppe	Per R ipee	Per Nupre	Pet Rupec
Frondency Curt ek Berhampore	80 50	120 H C	m = c 0 10 0 0 5 0	m s c 0 35 8 6 27 0	0 29 14 0 43 5	0390 0290	20 5 C.	m + c	10 8 C 0 2 13
Dacca Chuttagong Assum Churrapoonjio Dinapore Doryndah	80 80 80 80 80 80 80	0 31 0 0 26 8 0 32 191 0 20 0	0378 0300 0300 0300 0130	0 40 0 0 41 0 0 40 0 8 45 0 <i>G</i> 23 5	0 28 8 0 13 4 0 28 0 0 % 0	0 26 12 0 14 8 0 43 9	Q 49. 3j	0 20 0 0 32 0 1 20 0 0 18 0	0 0 0 0 0 6 0 0 7 0 0 1 0 0 1 0
Benares Secrole Minapore Chubar Buxar Ghazepore Coruckpore	80 80 80 80 80 80 80 80 80 80 80 80 80 8	0 25 8 0 21 5 0 26 0 0 24 0 0 3 0 0 23 12 0 72 8	6 12 0 6 19 - 2 6 15 0 10 13 0 10 12 0 0 12 8 0 14 10	0 21 0 0 22 5 0 42 0 0 20 2 0 16 0	0 29 8 9 27 12 9 30 0 9 24 0 0 31 0 0 30 9 9 34 0	0 30 8 0 10 5 0 31 0 0 25 0 0 36 0 0 71 0 0 35 12	9 33 0 9 30 0 9 33 9 9 33 9 9 31 0 9 35 0 9 47 2	0 20 0 0 40 133 0 29 9 0 27 0 0 27 0 0 20 0	0 1 1 6 0 5 12 0 4 13 0 7 105 0 6 9
Justipore Allshabad Sultaunpore Cownpore Lucknow Fotty Chur	96 105 80 80 80	0 19 0 0 21 8 0 28 0 0 26 4 0 22 P	0 9 0 0 12 0 0 13 0 0 7 0 0 8 8 0 10 4	0 13 0 0 19 0 0 17 13 0 16 0 0 17 0 0 12 0	0 19 0 0 30 0 0 31 4 0 34 0 0 23 19 0 33 7	0 0 0 0 30 4 0 35 15 0 24 0 0 34 J	4 26 D 6 30 6 6 31 1 9 35 11 9 29 18 6 34	0 17 0 0 18 0 0 3 9 0 24 7 0 18 1 0 21 0	746 012 058 078 058 058
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bha chanpórs Ha: sec Almera Lobos Ghaut Agra	106 84 83 84 80	0 25 0 0 21 0 0 27 0 0 28 12	6 11 0 0 13 6 0 9 0	0 15 G 0 13 G	0340 0160 03413	0 36 0 0 35 13	0240 9300 03911	0 13 0 0 17 0 0 29 12	0 6 0 3 5 8 9 1 1
Muttra Ally Ghur My npoores Ruswah Gwalsor Umballah	80 80 80 80 80	0 31 9 0 33 8 9 30 0 9 46 9 0 26 9 0 20 0	6 8 0 6 7 0 6 11 8 0 8 0 8 J)1 6 7 0	6 13 0 0 15 2 0 16 11 9 13 1 9 14 8 0 10 0	0 38 7 0 34 0 0 31 11 0 45 4 0 39 9 0 25 5	04105 0348 0376 0399	0 42 0 0 42 0 0 42 18 0 59 0 0 97 8 0 20 0	0254 070 016 0230 9170	0 10 0 0 J 4 0 J 4 0 4 0 13 15 0 1 0
Hissar Saugor Hosl ungabad Nowgung Nagode	80 80 80 80	0 22 11 0 27 6 0 23 0 0 23 4 0 21 94	0 10 0 0 10 0 0 15 9 0 10 14	0 14 0 0 15 8 0 17 0 0 20 114	031 8 026 0 020 0 031 3 027 6	0 10 6 0 17 0 0 72 64	0 125 0 0 25 4 0 19 0 0 31 0	0 18 0 0 19 0 0 14 0 0 21 13 0 14 13	0 14 0 0 18 H 0 11 9 0 14 9 0 10 15
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TABLE VIII Price	Current	of G	iram,	Provisions,	åc	at	the	several	Stations	of	the
	Bengal	Arm	} for	the Month	of Ma	ıy,	1846	3			

•		-											
	SALT	G H	EE	BREAL	3	BEST C FC	RASS D	FO	¥1,8				
STATIONS	Second Sort	Cow	Buffalace	Farst Sort Second Sort.		Sheep	Bullocks	First Sort	Third Sort	Milk	Orl Musterd	Sugar (Cheence)	Flour
<u>_</u>	Per Rupee	Per Rupre	Per Rupee	Pcr Rupee		Each	Bach	I Ruj	er we	Per Rupec	Per Rapee	Per Bupee	Per Ruppe
Pressioney Curias k Bertampore Diatorias de la compose Characteria de la compose da comp	0 8 00 0 7 15 0 0 0 0 8 7 15 0 0 0 8 7 15 0 8 8 0 11 8 0 8 0 11 8 0 11 8 0 11 8 0 11 1 0 11 1	0 3 0 5 8 0 0 0 1 3 1 3 3 0 0 2 1 8 0 0 2 1 3 3 0 0 2 1 3 1 3 1 3 0 0 2 2 1 3 1 3 0 0 2 2 1 3 0 2 2 1 0 0 0 2 1 1 9 0 0 0 2 1 1 9 0 0 0 2 1 1 9 0 0 0 2 1 1 9 0 0 0 2 1 1 9 0	nx c. ny 8 002 0 002 4 002 12 002 12 002 12 002 12 002 12 002 12 002 12 002 12 002 12 002 12 002 12 002 12 002 13 002 14 002 13 002 13 002 14 002 13 002 14 002 14 002 13 002 14 002 14 002 14 002 14 002 14 002 14 14 14	No No 94 40 22 16 10 14 15 14 15 14 15 14 15 14 15 10 12 10 10 16 15 10 10 20 4 20 10 20 110 20 110 20 110 20 110 20 20 20 20 20 20 20 20 20 20 20 20 20	2 3 6 9 3	0 80 0 80 0 10 0 0 12 0 0 15 2 1 0 9 7 1 8 0	8 8 0 5 0 0 2 0 0	34 84 49 4	0 1 1 1 1 1 1 1 1 1 1 1 1 1	0 13 0 0 26 0 0 20 0 0 20 0 0 20 0 0 20 0 0 20 0 0 20 0 0 25 0 0 25 0 0 25 0 0 24 0 0 0 0 24 0 0 0 0 24 0 0 0 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00000000000000000000000000000000	00000000000000000000000000000000000000	0 16 0
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TABLE VIII -- Price Current of Grain, Provisions, &c, at the several Stations of the Bongal Army, for the Month of May, 1846-continued

Nurz - An Iudian maund is 10 secre each 14 100 grains av urdapose A una nd thurefore weighs 82 2-71bs pound's asser 2 057 pounds each secr of 10 obstauks of 500 grains each W Al-OLGAN Secretary

TABLE IX - Contract Prices of Supplies to the Military College at Addiscombe from 1836 to 1847

ARTI	ICLES.	1836	1837	1838	1439	1840	1841	1842	1843	1844	3845	1646	1847
Reef and mution Flour best seconds Lamp sugar Moist ditto	per sack of 280 ibs per sack of 280 ibs per cwt do	30 0	# d 8 7j 40 0 83 0 60 0	• d 0 7 46 0 80 0 64 0	s d 0 71 01 0 70 6 01 9	4 d 0 7 54 0 85 0 63 0	• d 0 71 46 0 103 0 50 9	3 d 0 54 52 0 82 6 60 0	7 d. 0 61 87 0 78 0 60 0	s d 0 6‡ 41 0 78 0 62 0	* d 0 G 35 0 77 0 58 9	s d. 0 71 48 0 65 0 59 0	e d 0 /1 57 0 66 0 49 0
Ro i Ibdas rice. Valentus raisins Currants Congou tes	do da do p r fb	1. 0 49 0 68 0	22 0 46 0 80 0	16 9 41 6 62 0 3 11	23 6 41 6 74 0 3 55	94 8 47 0 64 0 5 5	24 3 42 0 78 6 4 4	30 0 38 0 64 0	19 0 39 0 60 0 3 11	29 0 43 0 56 0 8 6	17 6 52 0 52 0 3 41	22 0 42 0 56 0	24 6 45 0 ~6 6 8 44
Malt Hops M uld candles	per gr pur cwi per daz.	62 0 98 0 6 1	54 0 93 0 6 1	50 0 78 0 6 5	68 0 3 0 7 3	70 0 66 9 0 0	63 0 190 0 6 9	60 0 130 0 6 11	49 0 94 0 6 7	63 0 145 0 6 0	64 0 108 0 5 5	3 2 03 0 155 0 5 6	68 0 95 0 6 5
D p ditto bperm oli Yuli w sonp	do pergalin jerowi	58 60 40	46 0	57 610 41 6	6 0 7 3 50 6	5 11 8 12 46 9	\$ 105 8 P 40 9	5 10 7 8 45 0	8 4 45 0	53 60 440	4 10 8 9 40 0	4 11 6 5 40 6	5 10 7 9 45 9

TABLP X.

YBARS FROM	то	6	Value Cotper	INTO	PROM	Quentity	Value	Coat per	
FROM	10	Quantity	Value cwt	INTO	PROM	Quentity	VAIGE	CWL	YRAR
84 1-43 D tio	Alcutta Duto	cwis 254.364 381.7~8	upre # d 40312 0 3 66111 0 478	Calcutta	All parts	CW15. 713 129	rupees 40 42,642	•11 4 05	18444
	All parts including	800148	87 750 0 0*89	Malabur	Bombay	393,317	1 15 041	0 8 59	1844-4
1844-45 Mada Pr Lappr	Dis Alcuita Mi parts by sea 3y I nd to Mysore and the Nizam stor nt rie	410 254 234 87 69 913 469,337	63 255 0 4 67 J4 667 0 9 68 90,223 0 9 16 6 49,994 *2 9 87	Canara	Bompay	81 027	8,223	0 6 36	1644-4
	Toner Im	ports by Se	a into Calcutta d	luring the Y	ear 1844-	15			
			-						
FROM	Const of Male	Ceylon	Ar bian and Persian Gulf	England	France	Mauritius	Ma	nille	TOTAL
FROM Jumbility 18 cmts	Coast of Mala	Ceylon 2. 124	Ar bian and	England (81	France 6 233	Mauritius 934		oille 602	TOTA1 713 128

454

Copy of an Invoice given to J Chapman, Esq. July, 1846, by Mr Smith, of the firm of Nicol & Co., Bombay The transaction took place in July, 1845

5 rash or 200 tons of salt 5600 maunds, at 150 rupers per rash Duty 12 annas per maund Carriage hire from Tannah to Bombay Freight to Calcutta, 350 rupees per rash	750 4200 15 1750	0	0	
	6715	2	-0	

The cost of this salt, including carriage, but exclusive of excise duty, to the purchase's door, was a decimal more than $4\frac{1}{2}d$ per owt, and *inclusive* of the excise duty of 12 annas per maund, the price for shipment to Calcutta was 2s $5\frac{1}{2}d$ per owt, or 49s 8d per ton

COTTON CULTIVATION IN INDIA

THERE is no product which has become so important, as a raw material, for the employment of the most numerous class of our manufacturing population, than the vegetable wool called cotton

This will appear evident when we consider that not only the United Kingdom, but the factories of Continental Europe and of America, have to rely for this material, chiefly, on the crops of the United States It is true that many parts of the British Possessions are by soil and climate, adapted to furnish the most ample supplies of cotton wool British Guana, British India, and the North Eastern parts of New Holland, are all well adapted to produce cotton of this best quality in abundarce, but the scanty, and high wages of, labour in Guana and New Holland will long prevent our obtaining any great quantity of cotton, except from the United States, unless we, by improved cultivation and new facilities for preparation and bringing to market, increase the quantity of cotton which India can in pipilision supply

The three great varieties of cotton, the herbaceous, the shrubby, and the arboraceous, all thrive in India (See lengthy correspondence in the reports on the cotton of India, laid before Parliament)

1 The Heibaccous (gosvprum herbaccum) is a single species, but of different varieties, both in quality and value. It is biennial, and cultivated in India, as well as in the United States, China, &c. Its height is from two to six feet, with palmeted, hie lobed, dark green or brownish hues, with pale yellow leaves, and a triangular three celled pod, which is brown when about to burst, when it throws out three locks of white or yellowish cotton, to which the seeds adhere with tenacity. In India it is variously named viz, lorparce in Susant, raice, in Hindostani, kopus, in Benguh, bauea, in Central India, in Mehabar

The Dacca variety differs from the common Gossyphum herbaceum --

1st In the plant being more ereat, with fewer branches, and the lobes of the leaves more pointed

2nd In the whole plant being tanged of a reddish colour, even the petioles, and nerves of the leaves, and being less publicent

3rd In having the peduncles which support the flowers longer, and the exterior margins of the petals tinged with red

4th In the staple of the cotton being longer, much finer, and softer

The Berar variety is cultivited in many parts of the Berar country, and from thence imported into the Northern Orcers, by Sada, Balawansa, &, to Yourmagoodum, in the Masulpatam distinct The fine Madras "long-cloth" is made of this cotton It differs from the two first sorts —lst, in growing to a greater size, in being more permanent, and in having smooth and straight branches, 2nd, in having the leaflets of the exterior calyx more deeply divided, and the fibre of a finer quality than the first variety

In South Behar there are four varieties ——Ist, the Rehdhea, the finest is sown about the autumnal equinox, and of this the Dacca mushins are said formerly to have been made, but none is now exported thither, 2nd, the Heulee, the next in fineness, is sown in June, 3rd, the Jettowa, is sown at the same period, 4th, the Kokety, which is yellowish This kind makes the best fine thrend, and is cultivated chiefly to the north of Tirhoot —(Trans Ind Agri-Hort Soc, v, p, 225)

The Guzerat cotton is also of this species The plants are described as differing from the Bourboa peremnial kind, by never exceeding two or three feet in height, by having few branches and a smaller number of pods, and by yielding its wool in six months from the time of sowing

2nd The shrubby cottons are-

G vulfolium, or vine leaved cotton, which is in flower and seed the whole year, it yields but little wool

G relignosum, or nankeen cotton (Willdenow and Roxburgh), found in Sumnam, Ilindostan, & Flower, uniformly yellow, wool, tawny This is occa stopality grown in Burnah, where it is called *wa nee*

G Bui hadense, or the kind which was cultivated chiefly in Barbados It is known in India as the Bourbon cotton, and the plant is productive for several years.

G acuminatum, is distinguished by its greater size, and large black seeds, which adhere firmly to each other, but easily separated from the wool It is said to be indigenous in the mountains to the north and west of Bengal. Dr Wallich describes a specimen brought from the Nusseerabad, where it seems

Mr Hughes, who has cultivated successfully the Bourbon cotton near Tinnivelly sais the plant will last a great number of years without failing off in productiveness, if properly managed

to be common He says that it is very productive, and that the wool is milk white, long in staple, and, although that which was grown in the Botanie Garden, at Calcuta, was harsh and woolly, yet the variety seems improvable by culture, because the specimen from Nusseerabad was soft and silky — (*Lanaxitons Ind Agri-Hot Soc*, in, p. 149)

Mr Rundell, in 1819, describes this kind as growing to the height of ten or twelve feet, that the shrub produces at least 600 large pods, each containing from six to ten conglomerated seeds, enveloped in very fine and valuable wool. It thrives well on the margin of water—lasts about seven years, requires pruning occasionally of its dead branches, &c, and, during very hot weather, should be watered at least twice a week. An acre will suffice for about 500 shrubs, 230 pods usually weigh one pound, and yield from four to five ounces of clean cottom —(Government Report on Cotion, $\xi_{\rm v}$, p. 88)

Plants of this species differ from the helpaceous not only in height, but in the form and size of their pods, which are oval and larger In addition to these distinctions they are longer lived for, although in the most temperate climates capable of growing cotton, they frequently become annuals, yet, in the most toirid localities, they are perennial, whilst in the West Indies they are either bennial or triennial, and in Egypt, &c, live for six, or even ten years

The Persian cotton shrub on the sea-coast, hives for twenty or thirty years, but in the interior it is cultivated as an annual

G obtustfoluum (Roxburgh), a native of Ceylon, producing a small quantity of ash coloured wool, not cultivated

The tree, or arboraceous cotton-plant, Gossypuum arboreum, grows to a height varying between twelve and twenty feet. It is indigenous to Hindostan, China, Egy pt, and some other parts of Africa. Dr. Roxburgh says it is not cultivated for its wool, but Dr. Royle states "that some, produced by this species at Sahanapore, was pronounced by a competent judge to be of the best description, as both staple and fabric were good "—(Botany of the Himalayan Mountains, p. 96.) "It appears worthy," he adds, " of being the subject of further trials, particularly to ascertain its productiveness, for of the fineness and silky nature of its striple there can be no doubt, as it is employed by the natives for making the finest musins only. It was cultivated like the common Iudian cotton, and gave its produce, in the first year, during October and November, and a second crop in February

Districts best studied for Cotton — As some one of the several species of cotton plants may be found in every district of Hindostan, from Cape Comorni to the Himalaya Mountains, it is assumed that no portion of the globe of equal event, is capable of yielding so large a quantity of this useful material, and from the earliest ages, cotton is often sluded to as a special poduction of India

It is also assumed, that no part of India has a climate unsuited to the pro

ORIENTAL COMMERCE

duction of superior cotton "That this assumption' is demonstrated by the fact that the best simples are produced in Guzerat, at the north-western extremity, in Behar, the very centre, and at Tinnivelly, on the most southern point

"That it appears that it is the generally drv submous nature of the soil of Guzerat, as much as the dryness of its climate, that is so extremely favourable to the growth of the cotton plant It flourishes there even in the most sterile distincts, though necessarily not so luvurnantly as in the more ferble soils

"The same observation applies to the neighbouring province of Surat, where good cotton is produced, but the best in that part of India is grown in the distracts of Jambooseer and Ahmood, and, indeed, throughout the Broach Pergunnah. This is stated, in a government report, to be very superior to the Nagoroe or any other cotton grown on the eastern side of India"

Mr Owen Potter, who was extensively employed in shipping cotton from the above districts, in 1837, states, in a paper which he submitted to the Manchester Chamber of Commerce, that "the chief cotton ports are Surat, Baroche, Tankaria Bunder, Gogo, and Bownugger" All these ports are within a short distance of each other, and nearly the whole of the cotton above mentioned grows within forty miles of the port it which it is shipped

"At Omrawutte, cotton is grown at the rate of two pounds for twopence, in modelately favourable seasons, and did good roads exist, this article could be delivered at Bombay at a handsome remunerating price. It is now carried on the backs of bullocks, and the extra cost thus meurred amounts to a penny a pound more. This cotton is but little inferior to that grown in Guzerat, which is looked upon is the garden of the western side of Indua."—Proceedings of the Trans. Ind. Apri-Horticultural Society

In the Decean the production of superior cotton is not confined to the vicinity of Nagpore, for it can be obtained abundantly much further to the north, at Calpee, as well as in the districts of Currah, Carah, and Etawah

The cotton grown in the southern extremity of the Peninsula, at Tinnevelly and Combatore, has been highly approved of in the English market

"At Tunnvelly, where Mr Hughes has been long engaged in the cultivation of the Bourbon cotton, that gentleman considers the vicinity of the sea, or siturations to which the influence of the sea air extends, are on every account to be preferred A dry soil, and a dry atmosphere, from March to May, and from July to September, seem almost essential to the good quality of the wool, as well as to the productiveness of the plant. The freest circulation of air, and of hight winds, are of the greatest benefit to a perfect culture

"Mr Heath, a gentleman also experienced in the cultivation of the same description of cotton, states that his experience differs from that of Mr Hughes with respect to the influence of vicunity to the sea, for he found the cotton come to perfection at the distance of 150 miles from its shore -(Proceedings of Agri Comm of the Royal Asiatic Society, p 72)

"In Burmah, cotton is cultivated very extensively, chicfly for the China market, though the accounts are too discrepant (varying from 7,000,000 to 37,000,000) to allow of a satisfactory estimate being given of the annual amount. The greatest quantity is produced in the neighbourhoods of Ava and Prome, but that produced at Bauksk and that in the Mataban province (known as Tenasserim cotton), appears to have the longest staple -(Trans Agn-Hort Soc of India, n, 123-131)

"A specimen of Georgia Upland cotton soil, Mr Piddington says, resembles much in appearance the light, fawn coloured, sandy soils of Lower Bengal One half, by weight, was coarse gravitic sand, with a few minute fingments of fclspar and shells, and some vegetable remains, chiefly from cotton shrubs It was closely analogous to the Sea Island soils in showing, when heated, that it contained lighte or peaty matter

"The mor or marrah, a black soil from Bundelcund, said to be found in that district, the best soil for cotton, if not lying so low as to retain the water, was also examined by Mr Piddington. He describes 'its appearance, when dry, to be that of a dark, brown, heavy, interspersed with small white nodules, which are soft kunhar." So that the whole is easily pulverised? 'It forms with water a transious clay, and dries into tough lumps, giving every indication of being what the black soil for cotton is described to be, viz, a soil produced by the decomposition of trap rocks, forming a tenacious mud in the rains, and drying into a hard black clay, crossed by innumerable deep fissures and cracks in the hot winds'

"When heated in the matrixs, a striking difference appears between this and the American soils in the total absence of any trace of lignite or peaty matters !

"Combatore, or *Oopum* cotton soil, considered one of the best for this crop in southern India, Mr Paddington states to be like the last, black in colour and tenacious in consistence, but modified in this respect by the intermixture of felvous and siles.

⁴ The Timmelly soil found best suited for the growth of the Bourbon estion plint, looks like a mixture of lime rubbish and yellowish brickdust, and is intermixed with nodeles of kunkui

"A specimen of the best Singapore cotton soil was examined by Mr Piddington IIc describes its appearance as very remarkable "it consisted appa-

^{• &#}x27;Aundary A singular calcareous concretion stratified, and in lamillated misses of all sizes, containing from fifty to cigibly per cent of carbonate of lines some magness i rons, rud alumina interspread sometimes in large quantities throughout extensive fracts of the allwral and secondary formation of finds. The analysis of some vertage sampling agave and from security to fifty per cent of carbonate of hime. Some by Mr James Prinsep, gave from eighty four to hfty nuc per cent. — from Agr. Mort Soc. 7 vol. 7 vol. 2000.

rently of large, coarse grams of white sand, mixed with coarse charcoal dust and fragments of vegetables and mosses of all sorts, being in fact, as to appearance what we might suppose the Sea Island soil to be before it was reduced to a fine state When sifted, indeed, it almost exactly resembles the Sea Island vol, except that the sand, being white, renders the contrast between it and the carbonaceous dust more striking. About one-third of it was coarse silicious gravel without felspar or fragments of shells, and with a few remains of carbonised wood, roots, and moss internixed with it "

No No	COTTON	builter	and extrac geine?	1	B.O	N	o al Lime				od lost.	of best cotton	REMARKS
_	SOILS	Vogetable matter	Saline a tre	Protox	Deutox	Tritoz	Carbonato	Magnesis	Alumine	Sflex	Water and lost.	Price of 1	
	AMERIC N	_				1			-	1	1	a	
	Georgia Sea Is }	3 80	Q 20	10	}		2 78		0 20	92 00	0 83	24	Vegetable matter peat or lignate partly solable in cold water siles in coarse grains
- 2	Supposed Coor }	8 00	0-60	1 30			4 60		0 63	68 02	0 48	24	Ditto
a	Upland Georgia	4 60	o 10	1-25			s 90		1 00	80-35	075	12	Vegetable matter peat or lignite but nothing soluble in cold water; no saline matters]
4	Bande)kund	2 60	Q 33		7 75		11 90	IFSCO	3 10	74 00	1 80	5	No post or lignite nothing soluble in co d water silex in fluo powder kunkur in the gravel
5	Coimbatore	9 30	traces	4 00			7 50	trace	2 80	82 80	a-60	3	Gravel mostly nick with some felspar but no kunkur
6	Bourbon seed cott u (Tinni velly)	6 15	6 20			¥6 8	19 5	o 13	2 00	7400	1 12	10	Gravel almost wholly kunkur some carbonate ef fron baif the soil of prayel
7	Magentus	1 75	0 30	9 15			40 85	flaco	2 50	13 60	2 85	127	Silex mostly course grained gravel mostly calcarcous
	SINGAPORA												(Vegetable matter mostly
	Bastsoll	9 15	0 60		0 25		1 25			SS 20	0 10 (9	twaty and very solution
-0	Inferior soil	1 00	<u> </u>		071	_	0 071		·	08 85		4	vegetable matter peaty *

THE following Table exhibits the result of Mr Piddington's experiments

* Trans Agri Hart Soc vol vr 216.

The conclusions which are drawn by Mr Fiddington from these researches, are "1st That the abundance and fineness of good cotton depende on the quantity of carbon in the soil, and the solubility of that carbon 2nd That the vext best soil is one containing carbonate of lime 3rd That the soil should not be too tonacions "I have had repeated experience of this," he adds, "in Bengal, and, on the Bombay side of India, I observed some time ago, that a Parsee gentleman, Furdonyee Cowasjee, had partly failed, or experience durch loss, in some experiments in cotton, in consequence of the clayey nature of the soil, which retained too much moisture In the West Indies, the years of drought are far the most favourable to the cotton crops, and the Singapore soils are insiances of cotton growing in what might be called pure soil with vegetable matter, but we must, probably, make allowances in these instances for the vicinity of the sea "-(*Trans Ind Agri-Hort Soc*, vol vi, 223-4) 4th That it is preferable for the sand to be in coarse particles

Writing from Tinnivelly, Mr Hughes states, "that the red and brown loams, or, indeed, any silicous or calcareous soil, fertile in a moderate degree, is the most suitable and fruitful That no very rich, heavy, retentive, stiff soils, should ever be selected, for though the plants are luxurious, yet they have as much and more tendency to produce redundance of wood and leaf than of fruit buds, besides harbouring insects What is commonly known in many parts of India, under the denomination of *black cotton soil*, Mr Hughes states is to be entirely avoided

Captan Robertson reported to the Bombay government "that the Bourbon cotton succeeded very well in the eastern parts of Broach, in the light sandy soils, as recommended by the cultivators of the Isle of Bourbon"

The Agra-Horticultural Society of Bangalore reports that the light brown soil of moderate depth and rather sandy (so prevalent in Mysore), seems to be the soil that suits the Upland Georgia and New Orleans, but the Sea Island thrives in moist ground that is well drained — (*Trans Agra Hort Soc of India*, vi, 230)

Mr Ewart, speaking of his experience in the cultivation at Guzerat of Bourbon cotton, or a variety nearly akin to it, says, "it requires a dry, sandy soil, and no irrigation, water or manure sends it all to leaves and branches"—(Proceed Agri Hort Soc of India, May, 1839, p. 22)

The failure of the experiments made at the Akra farm by the Agri Horticultural Society is an illustration of the unfitness of an over-fertile tenacious soil for the production of cotton The committee of the society, reporting upon the failure, observe, "that it establishes the fact that the cotton of America will not flourish on a rich and moist soil, whilst its natural basis is, for the most part, composed of three fourths of sand, and one-fourth of clav" This was evidenced "by the rapidity and laxurance of vegetation, in the production of abundance of wood, leaf, and flower, but little produce"

These results point out that soils constituted almost entirely of the least retentive of all constituents siles, carbonate of lime (chalk), and oxide of iron, are best suited to the growth of cotton In other words, that the soil cannot be too light, whether its upland or lowland, manitime or inland.

Mr Heath says, "that in the Madras territories, two species or varieties of cotton plant are culturated, and these require very different soils, one is annual (*oopun punithe*, G herbaceum?) and the other peranmal (madam punithe) The first success only in the 'black cotton soil, 'formed apparently from the decom-

OBIENTAL COMMERCE

position of trap rocks, but the second only in a very light soil, formed from the disintegration of granitic rocks, especially when mixed with *kunkur*, or calcareous tufa "

"Mr Heath made his experiments on the Bourbon cotton in the latter kind of soil, which is more abundant than any other in the districts on the Coromandel coast, south of Madias, and he entertains no doubt, that the Bourbon cotton plant might be successfully cultivated wherever this kind of soil occurs. In introducing this cultivation, he had to encounter the usual difficulties consequent on the introduction of any novely in agriculture, but these gave way to perseverance At the end of four years, Mr Heath bad the satisfaction of seeing the experiment completely successful, as in the seasons 1823—4, he procured from the district of Combatore, 500 bales of clean Bourbon cotton, of 300 pounds each, and the natives were, at that time, well satisfied, that the cultivation of this was more profitable to them than that of the common cotton of the country "-(Proceed Comm Agri Royal Asiat Soc, 1838, p. 72)

"Mr Bolingbroke says, that in Demerara the British settlers found that the cotton plantations succeeded better on the sea-coast than on the banks of the river, a superiority which he attributed to its containing more common salt.— (Bolingbrokes Voyage to Demerara, 204) This opinion that salt promotes the growth of the cotton plant is also expressed in the third report of the African Institution, it being stated positively that the saline air of the sea-shore, though generally destructive to the coffee plant, is favourable to the cotton "—(Report in, p 23)"

Mr Bernard Metcalf, remarking upon the cottons of India, observes, "that the Georgia, Sea Island, Surinam, and Demerara cotton plants are all grown on the border of the sea, and the prime qualities only so far inland as the influence of the sea air and tide waters extend "--(Government Report on Cotton, δ_c , p 418)

A very able report has lately been transmitted from Bombay on the produce of cotton m India, and pointing out forcibly the decline in its culturation I it appears, however, that the quantity grown in all Indiais very great, for the population is cluefly clothed with cotton manufactures made of the raw maternal grown in the country As the Bombay Report and also a huge volume of correspondence have recently been presented to both Houses of Parliament, we can do no more than refer to them, and to the following statistical tables of the cotton trade of India, &c \bullet

* See also statistics of cotton, in the Report on the United States, which we prepared for Parliament

STATEMENT of the Quantity of Cotton shipped by the Honourable Company to China
from the Presidencies of Bengal, Fort St George, and Bombay, from the earliest Date
comprised in the Company's Returns of the Export Trade down to the close of the Ex-
clusive Trade of the Company to China.

	1	BENGA	L	, M	ADRA	s	. :	вомва	Y
YEARS	QUAI	TITY	VALUE	QUAN	TITI	VALUE	QUA	NTITY	VALUE
	Baics	Weight	Tales	Bales	Weight	Ta es	Bates	Weight	Tales
119596 17 (97)98 1 19~ J9	numper	cwts	Amount	number	cand er	emount	number 1975 1,850	candie 1 003 340	amount 43.63) 33.974
17							15,684} 5 403	5 962 9 216	2 J 138 1 7 119
1804-65 1875-06.				\$ 194	3 316	45,383			
1508-0, 1607-04)303-0J	672	1 00	11 539	53	30	1 279	10 530 7 №1 16,9903	cwts 3 849 25 195 53 208	9,27 128 1 74 854 6 31 126
18(%)	9 243	e6m £19,t	49,616	1,982	1 190	37 109	4 683 12 3.2	15 163 37 061	1 20 315 3,40 Jb4
16111 361413	8, 96 10 817	1ba 3.501.7007 3.155.460	2 00 05	42 2670	164 1 75 300 801 600	- 022 49 246	14 494	47 678	3,(, 463 5 24 603
1813-14	1 835	\$20 500	40 877	5,905	1 ~71,500	113 492	20 609	lbs 7 844 128	5 74,918
1814—15 1814—16	4 041	1 476,300	1 09,080	5 840	1 752 000	1 32,573	21 775	cwt 78 978	5 45 496
1816-17				C 512	candies 3 898	1 41 037	23 078	75/28	6 25,156
1817-18 1818-19 1811-0 1811-1	4 631 5 593 9 545 28 601	1,389 300 1 (7) 700 2 × (3 00 8 5 9,300	PA 610 1 7 11 3 1 974 8 46 109	4 743 2 538 647 4 910	2.844 1,-22 103 2,985	1 15 4% 70 684 1857 1 34 894	23 (48) (8 2 8 20,619	75 Ru3 60 609 (16,999	6,37 201 6,10 4 16 7 29 468
1521-4	28 001	6 641,300	5 .1.819	4 600	2 915	1.34 007	25 774	condies	8 11 141
		mds							
1822-23 15 3-24 18 4-25	\$ 000 \$ 168 20 69	32 141 101 120 83 443	1 \$1 957 5 G 205 4 15 341	6,1 1 7742 11201	3 702 4 / 15 6 19	1 (1,80) 9 01 110 9 7 374	6 556 16, 30 12, 19	3 1 16 7 462 8 664	1 %1 717 3 54 (%) 2 %2,142
18 5	13,969 32 45 92,694	6/220 129148 0117	38 123 6024 6 441 109	7 348 8, 62 12 029	4 46 8 25G 7 217	1 45 959 9 28 407 2 81 470	13 97 13 095 22 480	6 143 7 148 10 640	3 37 032 3 79,625 8 1 1,523
1828-29 1629-30 1830-31	43 114 21 174 26 95 4	1 (9 3.0 83 071 1 69 313	32 13	12 × 9 13 500 9 165	7 7 1 4 8 1 0 0 8 6 9 1	32425 31435 210207	16 404 1. 052 210 2	775 7060	3 11 704 3 30,629 5 17 K39
1831~ 1 1832~33	11 120	73 603 not stated	2,84 698				15 6 10 051	8 610 bot stated	3 62 247 J 44,880

STATEMENT of the Quantity (with Value) of Cotton (excepting the Honoursble Company s China Investment) shapped at the Port of Calcuta to all Parts of the World beyond the Presidency of Fort William, from the Official Accounts, 1795, down to the Year 1835, inclusive

YEARS	тот.	A L	UNITED B	INCOM	Сн	INA	OTHER
	Quantity	Value	Quantity	Valu	Quantity	1 lue	PLACES
	maunda	Inpec	magnis	ropies	bales	rupees	
1705-06	8 1 9 3	1 47,911	6 138	\$ 11 384		1	1
179697	8,39	1 35 970	3 152	55 228	ł	1	1
		1	bale]		1	1
1797-98	10 22-	3 0 711	1 139	58 804	705	31 341	1
1 98-99 17 49-1600	41 15	4 2/ 053	9 40G 10 13	2 84 403			1
11-9-1600	6.587	10 817	505	25758	1	1	1
1801-02	810	15 160	222	13159	1		1
1862-03	38 843	6 19 017	8,072	97 300	610 8	1 60 953	
1803-01	1 98 17	-3.13.(85	210	1 06.207	4 871	20.92 08	
1804-01	149×14	19 01 507	691	26 849	39,801	1 1 36 317	1
1505-04	2 /1 445	30 44 14	2 423	1 18 12	59 /35	2971116	
1506-07	134.112	19 26 902	7,315	391.06	23 864	121 386) â
1807-05	1 79 7 26	26 07 685	3 17	2,03 429	41 104	21 17 252	1 2
1504-01	191×04	29 06,639	2,016	1 07 014	40 962	26 45 530	2
1809-10	2 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 2 1 2 1	39 75 161	40 781	20 25 227	35 657	17 6 080	
18 0-11	1218 2	15 02 1140	3,4,7	133117	2 050	11 65 609	1 2
1811-12	11815	17.01.681	160	9 351	3)6	15 3 389	- ÷
1814-13	20 847	2,68.844	11 05	5 39 239	76 051	2 162	1 9
1614-15	2 3 2 1 13	39 32 626	21	930415	82 40	3, 4 955	(
1815-16	3.20 58	38,214	17 228	6.57 187	74 479	30 68 98	22
1613-10	0.00 .36	16,81 368	83 024	31 84 791	05 1,8	36, 6752	32
1816-17	lba	10,010,000	16	0101152)	40.0132	52
	alao Co. s 10 02,600	not stated	Co a 10 02,600	not stated			Pot all other places we provous tables in details on the Commerce of Loths
	manude		bales	1	í i	1	25
1917-18	10 03 363	1 10 13,074	1 64 843	10 10 91	103 ~00	31 21 969	1 2
1616-19	8,5* 759	89 + 861	1 27 124	37 s>030	63 11 5	19 09 794	1 11 11
1810-10	87 435	28 39 773	30 (+3	0 59 082	37 005	16 35 31	-0
1820-21	478 319	44 40,881	18,139	7 16,157	~0,397	37 21 507	1 5
			xuaunds	1	mauade	}	
1821-22	2 39 131	74 21 711	19,724	3 51 903	2 16,392	30 38 642	1 2
18/2-23	95 944 1 59 2 J	12 44 780	23 46	2 14, 166	67 5 17	1917 12	5
3823	2 31 205	*3:41 56% 3 % 335	4-,3*9	4 51 024	115960	26 3 249	5
18	2 31 203	36.57 130	58160	478165	1 7 206	25 7 194	
2821-27	3 (5,(39	41 60 534	50, 198	6	3140 4	35 8 950	ē
1527-28	916.081	32 6 862	17 658	2,65 6.87	19 610	29 81 110	, -
1828-29	241033	25,88 423	14 136	1.5 9.1	1 85 929	230 26	
1829-30	3,491	34,266	1 31	3,0	2,550	20,717	
1023-901	also Co s 7 415	101/53	Co # 7 415	1 01 993			
1830ai	60 n38 also Co s 3 /03	43,848	°2 €16 Co # 3,203	1 84 726	45,838	3 65 611	
	53765	4 40 7545	7 101	60 17 1	46.493	3,81 349	
1891-98 {	also Co + 8 357	101 877	Co # 8,357	1 01 877	+0,410		
1839-48 {	~ 631	64 11	4 4 8 15	41663	2,736	22 848	
1004-181	also Cn a 6,045	92 101	Co # 6,045	J2 691			
1833-34 {	also Co 12 956	28,325 2 00 701	Co 129 0	1070	2 971	20 746	
2814-25	3 59 042	31 26,070	3713	3 40 311	3.09 544	37 37 481	

FERIOD	GREAT	BRITAIN	FOREIGN	EUROPS	0 8	INA
LERIGO	Maunda	Value	Mounds	Value	M unds	Value
~ ~ ~ ~ ~	nember	rup est	number	Tupees	pumber	TUPPER
935-34	10 6 3	1 06 130			1 32 809	13 3 162
4-3	52 747	3 17 (70	2 789	24 915	411 64	37 (0) 0
NU-36	1 16 278	14 26,612	2166	2 32 661	4 40 000	47 40. 95
1 - 97	16 244	1~1 016	14 160	1 24 146	4 00 5%	35 11 931
37-35	3 515	30179	73	608	1 97 919	18 10 020
35-39	3 513	25 382			4 IS 631	21 11 044
3.1-40	2 5 4	231 81	212	2 331	1 18,7 8	11 18 109
10-41	1 00	14 041			1 60 504	10.5 447
4149	4.625	40 75			80.591	8 (8 1*1
12-13	1 501	10 610			1 49 384	14 86,550
13-41	1 742	25 405	1		1 6 7 18	19 5 37
14-45	1 3.4.5	13 159	[1 1 1 2 3 5	19 93 556
41-46	147	1 477			69 058	8 8 8 5 5 5
" tal mounds	2 21 253	2 01 737	41 377	4 08,581	27 12 757	3,65,99,270
T tai the	1 82 05 960		34 64 36		22.31 21 148	
Tel ta	1 62 553		30,390		19 53 047	

STATEMENT of the Export Cotion Trade of the Port of Calcutta, from the 1st of May, $1^{\times}33$, to the 304h of April 1840, compiled from the Otheral Records furnished from the Calcutta Castom House

STATEMENT-(continued).

PERIOD	STRAITS of	MALACCA	All Other	Quarters	GRAND	TOTAL	A crage Valu per
FERIOD	Maunda	Value	Maundy	Value	Maur de	Volue	Maund
	number	rupecs	number	Tupees	number	Ti pees	Rs Dec
1831-34	73	rup		1	1 43	14 32 501	9.98
1-34-31	2 866	22 614	ار.	1 701	3 36 8 17	31 46 139	9.34
15 -30	4 156	45 414	1 652	18 3 15	5 53 762	02 63 777	16 3
r3/ - 4	1 1652	15 48	839	0 (73	4 37 4 13	35 3 1 337	8 8)
63708	1 819	15 48	495	3 910	2 (3 891	18 61 165	918
38-33	1 3 28	13 M	267	565	2 33 59	22 21 180	9 05
PJ - 40	114 7	1 50 1.4	7	29	1 80 43 1	182 43	10 12
10-11	21703	2,55689	15	60	1 84 ×16	19 26,237	10.49
811-12	24 50	2116.4	175	797	1 10 444	12 05,347	10 92
ND-13	2) >= 0	241435	209	1,385	171 691	17 16 983	9.98
417-41	8 471	4) 327	3	29	2 01 457	20 25 140	10 05
14	l ildi	11612	21	218	P1 873	20,18745	10
184 46	4 486	44 862	48	243	03 63	9,35 164	97
Total mounds	1 02 705	11 17 155	3 8 1 2	3324	80 81 934	3 04 1 1967	9.67
T tai 16	84 1454	i l	316142		2. 35 09 140		
Lu 1 wite	7.17		2 823		2 64 2 8	1	1

STATEMENT of the Cotton Exported from the Presidency of Madras, 1824 to 1835-(Official Account)

YEARS	Ter	TAL.	UNITED KINGDOM	BENGAL	CRINA	BOMBAY	Other Linces
	Quantity	Value	Value	Value	1 alue) al se	1 (4.66
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	vt 43 47 5 030 40 10 3 16 5 1737 61 737 61 737 5 16 42 75 3 160 4 2 75 4 2 75 3 160	rape(10 86 469 11 84 594 7 16 084 7 16 084 7 16 089 11 (2 10) 12 34 103 7 001 8 (3 3 7 6 5 373 4 3 110 1 3 44	Fupe 105 G97 118 0.31 43 535 51 (74 52 13 1 01(5 6 (1) 5 0 2 1 636 95 303 4 33 305	70pe 8 62 143 171 4810 10125 29414 3,806 624	Fil14 08 8 70 1 39 5, 4 > 4 5, 16 Ji 6 5 527 7 0 1 402 6 1 3 7 5 30 30 1 21 200 3,31 629	TOP 05 1 10 921 4 74 155 1 14 2.8 2 035 2 07 3 J 4 2 846 12 4.95 2 8 0 2 0 934	tes general Tables of

	GREAT I	RITARY	POREIGN	EUROPE	Сн	INA
YEARS	Candies	Value	Candus	Falue	Candies.	Value
	number	ropee	rumb 7	rupe *	number	rupres
1853	924	66 695	4	270*	0 3	F10
1831 85	5 5 1 2 1	3 80 305	365	26 106	2,001	1 1 1 1
835-36	13 677	9 36,146	1 691	119.112	21 21 3	11 1.06
836-37	13 936	10 (3 046	8 222	1.80 119	29.333	•3 n.) 5
837-35	1.64	94 7	351	20 985	6,549	1 1.
\$36-39	3,789	3 64 255	427	31 138	16 135	11 10
83940	18,759	14 6,713	4 653	3,72,693	6,585	5 6 3.
840-41	5 850	37107			5,178	3,91 37
811-4	1.512	10 6 002	259	17 578	17 215	11 15 814
8-12-43	5,305	2 84 711	42	2 669	40.56	(24)r 94
613-44	4,661	211376	359	15 41	19 514	11 13 46
844-45	13 339	8 34 982			17719	111151
1245	6 514	3,38,081	9	98	5100	\$ 80,50
Total capdies	1 11 500	73,92,085	10,570	7 90,961	1 16,656	1 20,33 11
Joini jbs	50 00 000	(''	52 95,000		9,33,28 000	1
Jotal owta	4 99 107	1	47 188		8 13,236	

STATEMENT of the Export Cotton Trade of the Port of Madras from May I, 1833, to April 30, 1846, compiled from the Official Records furmshed from the Madras Custom-House

STATEMENT of the Quantity (with Value) of Cotton (excepting the Honourable Company's Chuna), shupped at the Port of Bombay to all Parts of the World beyond the Presidency of Bombay, 1801

YFARS	TOTAL.	UNITED KING	FRANCE.	CHINA	OTHER
	Value	Value	Value	Value	ILACON
1801-2	ropses	ruppers	rapecs	TI DELE	
	31 68 180	1 70 100		30 54 18	
18023 18034	53 25 407	10,,35		41 2 69	1
18045	4 68 68.J 80 14 28	9,7,065	1	88 1,509 70 23 64 J	1
18046	5.04 113	3 3 1 3 4		64 3 639	
8067	The reports for tag	5 48 725		64 3 035	1
807	90 2 234	7 \$2 \$35		73.96.978	1
808-0	51 71 923	6 33,182		41 (0.012	
807-10	J417 4J0	12 10 611		3514151	
1810-11	4, 63, 21	106 935		33 4 21	
811-12	3. 22 3.37	39,000		39 () 570	-
1812-13	23 33 590	33 300	1	12 24 15	1 2
613-14	261174	1837	1 3	2 6 373	
1814	36,38 0.69	96 05	1 1	-101 (18	
815-16	53 64 159	190.017	1 1	44 041	2
	11 17 11 000		•		1 1
816-17	C1 8 26 126	113 115 }		41 41 78G	1 6
1817-19	109 Lb 397	37 01 31	2 (8,333	46 97 348	1
1818-19	{ 1 20 43 140 { 1 0 5 2 1 123	6 54,197 2 29 83 5	3 54 477	31 23,770	1 5
	6 47 11 377	28 00 470			
1819	1 Co a 6 31 841	6 30 841	90,00 061	10 91 255	1 2
1820-21	{ Co 4 2 51 216	1.33 M88 }	(44 89 064	ic Tables of Ocneral Trade of Ledia
1811-22	4143419	8,40146		32 36,019	1 3
1821-23	2 Co a 9, 180	1110 1	i i		4
1823-24	\$7 1(303	2410 19		30 07 096	1 8
1523-34	61 92 4 3	L C C A	1	36 × 1 338	-
1 43-130	92 4 275	\$4 \$1 089		3 7 5	1
15-15-16	11 90 353	1+3 03	3/115	7 \$ 142	1
827-25	163 9 834	25, 31	30 200	16, 13 252	l
1648-20	103 K 64 21 64 815	4/03 31	324	5 (7 111	1
18x) - 30	6 /7 129	41 41 421	8 //3	4/6/ 4	1
	1 10/435	30 1 1			
1830-31	164 # 11 176	" i 75 }	13,344	53 38,303	i
183132	89 10 116	37 1 541	1 1	3374,598	1
1831-33	12150 66	6* 39 554	1 16 379	5 . 2 21	
1833—34	3 47 8 i Mi	53.0. 14	44 938	80 1531	1

	STRAITS OF	M 11 100A	ALL OTHER	QUARTERS	GRAND	TOTAL	Aerag
YEARS	Candies	V lue	Candies	Value	Candtes	Value	per Candy
	number	fupres	number	Tup es	number	rupors,	n cent
1833-34	203	(14.18)	695	48 037	2 98	1 96 636	10 20
1834	205	16 364	390	2 96.1	8,784	6 41 225	23
1835-30	1]	6.5	4 340	37 259	25 98 128	69 74
1+36-37	\$6	1 815	718	59 610	41 335	\$1 05 555	81 30
837-38	P**		68	6 070	8,20	6 10 211	73 85
18.38-3.1		450	61	4 531	16, 1	14 60 856	78 53
839-40	85	6, 13	818	24 076	3/ 600	23,57 185	77 03
1840-41	10(1	63 098	11 072	7 51 757	28,630	157 519	66 67
160-4	1 893	2 9 363	3 828	1863()	44 73	25 95 115	69 24
1+12-43	\$ 3.4	108.245	184	8 8 4 3	48, 194	28 19 480	58 72
15 13-14	1 116	5 +68	29	1 750	25 680	14 03 330	54 64
1844	91\$	53 693	1 876	1 19 665	31 839	21 19 841	29 14
184540	357	19 586	1 370	(6 917	13 434	7 14 165	5116
Total candies	12 201	6,37 543	21 301	13 51,954	3 42 528		1
Total lbs	61 60 100		1 06 50 300		17 12 64 000		1
Total cwts	54 469		95 094		13 29 143		1

STATEMENT of the Export Cotton Trade of the Port of Madras-(continued)

GENERAL Statistics of the Cotton Trade of Bombay from the 1st of January, 1834, to the 31st of December, 1846, compiled from the Oflicial Records of the Bombay Custom House

PERIOD	GREAT I	RITAIN	FORBIGN	BUROPE	снл	N A	STRAI MAL	TS OF
	Lounds	Valne	Pounds	Value	Pounds	Value	Pounde	Value
	number	rup es	number	rupee	number	TODORS	number	rupces
1 Jan to 30 April 1834	07 48,844	18 70 037	2 73 616	44 936	2 07 04 650	38 20 4 5		
184-3	3 177712	F8 18 \$10	18 68 272	63716	2 92 00 276	57 4 488	375928	68 750
18,5-30	4 57,05 5,0	1 (3,54,845	11 37 780	2 36 693	2 67 13 316	63 69 304	3,13,208	6 7 3 2
1536-3	68173001	1 02 36 1/5	4 33 972	79 % *0	4 44 64 364	70117 9	6 92 064	163×17
184 - 38	34100 (9	65 81 25/	2 (1 052	\$7 585	5 61 (1 928	80 25 130	11 70 009	10,000
18.45-39	3,18 00 557	4 62 069		36 403	6 70 72 819	92 1 393	4 09 138	57 819
123940	5 10 01 134		273,10	413(9	2, 11 68,699	50 06 830	272957	4 23 428
151011	81.0181068			831.8	3 37 11 019	4 / 517	1,35 04 112	18 1/332
1 11-42	10.4 . 5 001	1 1 44 793	1 11 718	14 816	4 74 49 464		74 49 007	3 65 146
1842-43	6.1931914	64 02 083			7 64,44 44	94,5 J 441	4,6938	6,38 404
1643 -44	9 17 81 928	1 10 04 169	23 075	3 4 2 5	7 75 51 410	91 51 409	10 71 860	1 20,24
15 1443 164 10	C 2 9F 154	64 BJ 4J		15,763	6,88 12 811	8474928	15,51714	171 010
1847 - 11 1 May to Si Die 1840	471 05 361 34 6 450	43 JI 108 35 94 21 2	8.3.8.3	95 417	7 49 54 187	31 05,214	27 68,904	2,75,380
1 214 3 10 21 10 10 10 10 10 10	34 0490	35 1/4 21 2			3 16 65 032	31 05,214	2 44 440	21 243
Total lbs	77 60 65.818		(2.3) (99		68 66 34 651	-	3,32 50 329	
1 al cwts	69 34 346		5 211	1	61 38 64 7		2. 521	
lotal candies	9 30 645	11 04 90 037	6 030	7 42 463	8 71 810	+13 81 735	42,474	48 79 765
Aver ge f 13 years	7+ 203	84 38 104	618	5 118	67 370	1 16,518	3 267	\$ 4 828
	AN	ILLA	1 BESIA	NGUIP	ABABIA	NGULF	COAST OF	APRICA
PERIOD	Po ida	Value	Pounds	Yalue	unds	Vaiur	Pounds	Value.
	na cr	rupeus	numbs r	rupces	numb r	Tupees	number	rapies
I Jan to 30 April 1834			2 59 300	43 47	4,34 724	73 968		
1835-31			78 098	15 100	3,36 006	161897	21 952	3 490
163231	F		4 44,37	14 623	17 12 1 0	231033		
1837-38			1 35 00	1× 61G	14 30 192	203114	8 624	1 110
1838-11	{	1	4,3/ 11	45.004	30 14 634	1 47 5 B 1 55 eta	21.598	1 1/25
1839-40	2 00 7 82	27 953	1,35, 36	15,150	10 43 873	3 54 937	1 05 504	13.51
	8,54128	118 414		6 170	10,43 740	1 40 / 64	105 504	212
1840	6,84128	119414	4 148	17 4 3	972 168	1 10 764	74 /18	R 498
1642-43			1 30 325	13 409	7 11 35	77 53	36,693	3 176
1543-41	1		1 30 525	2 057	7 90 169	02 2	1 1 268	1 201
1844-45	1	1	1 1 9 53	90 120	10 13 423	3 07 177	19036	1 821
1845-46	31 672	\$.009	4.81 10	46,613	931132	01515	71 110	6 651
1 May to 31 Dec. 1846		-,	30 907	3 011	3 51 623	39 243	81 178	3,614
Total lbs								
Total the Total cuits	11 12 82	1	2476,711	1	1,36,29 J91		4 88 651	1
1 tal Lands	0 35	1	25 (95		1 81 691		4 363	
Average of 13 years	140	44 370	3 6 cd)	31 -04	17 384	19 07 206	623	38 204
anonage os 13 years	1 199	11 414) 283	46,668	1 337	1 39 016] 48	4 4/7

FXPORTS

ORIENTAL COMMERCE

PERIOD	CALC	UT1 Δ.	MALAB CAN	IR IND ARA	CUTCH SC 19		Ports Qui to Bo		ATL O QUAR	
	Pounds	Value	Pounds	Value	l ounds	V lue	Pounds	Value	Pounds	Value
1 Jan to 30 April 1884 188435	number 67 932	rupees 12,500	1 11 328	rupees 6,733 17 J89	numper		nomber 15 508 14 112	3 437	number	rapces
180 36 1836 37	89 JR4	\$ 250	3 04 389 1 07 492	4/ 0/02	1 568 14 7 6	110	18 424 82 721	1 157		
1837	\$3,600 68,315	10 835	13 25	17 2.9	85480 46 14	5 397	23 065 8 060	10.0	10,046	342
1839-40 1840-41	1 57 117	23, 10	50 588 21 672	7 635	17 54	4 010	12 326	14(0	44 547	9110 3764
18411- 16443			6 244 2,0	430	3_94		26%	400		
1843-44 1841-4	9 87 0 78	32,139	7 510 23 367	590 2,466	1 642 2 147	173	738	13	5,9 3	604
1845 40 31 Dec. 1846	21 14 434 411	1 36 446	33 036	4,315	8,10	~96	8,407	/04	27 505	2,566
Total ibs	25,70 953		9,03 647 8 668		2,14 26		1 14 778		1 30 507	
Total cand es	13 000 3 247 253	2,84 060 21 97	1 153	1215.9	2 3	24.686	147	15,911	1 163	19,417 1494

GENERAL Statistics of the Cotton Trade of Bombay, from 1st of January, 1834, to 31st of December, 1846-(continued)

		GRAND TO	FAL.		
PERIOD	Pounds	Randred Wi	Candies	Average Value per Candy	Value
	humber	Dumbar	number	rupees	ropers
Ist Jan to 30th April 1834	3 15 86 954	282023	40 299	143 62	68 74 839
1934	6,4 83 654	1 578 d 25	84,633	150 20	1 20 0 397
1835	7 55,18 374	7010/3	100153	1363	1 3,89 18
1830	11,34 96 601	103(219	1 47 317	1 120	1 67 778
837	9144511	8,70040	1 21 292	13-37	1 39 6, 311
638	1014,85649	9,001.5	1 29 451	(11062)	1 43 20.5 kJ
1839	9 33,39 106	8 33,305	1 10,014	1 1 1 2 20 1	1 44 47 7 18
1840	13,1 16 004	3176 042	1 6%,006	1 1013 1	1.01112
841	16 10 26 110	14 37 738	2,05,390	105.5	\$ 14,79 410
1542	14,76,47 851	(15 té 239	1,9 320	100 50	1.89 26.926
843	17 14 53 725	11 30 857	2,16 (9)	05 29	\$ 14, 8,33
844	13 (3,6,40)	111/0943 (171 406	8935	1 34 10,244
1845	13,58,20,206	1 21.02591 1	1 6) 312	6318	13,6,23
lst May to 31st Dec. 1846	6,72,50,967	6,00 435	85,779	79'31	68,08,911
Total lbs	1 1 32 41 43,729			1	
Total Cwis		1,36,15 669		1 1	
Total candies	1		20,45 081	109'61	21 32,55,033
Average of 18 years	11 78 03 364	1 10 47 351	141694	1	1 64 94 300

Average of it years - 117402 we - 107402 w

STATEMENT of the Value of the Export Cotton Trade of the Port of Tutucorn (within the Madras Presidency), compiled from the Otheral Records furnished from the Modras Custom-House

PERIOD	Britain	Foreigu E irape	Chine	All other Quarters	TOTAL.	alue	REMARKS
	ruptes	rupess.	rapacs	ropees.	tupers	pees	1
3837	28 308			13,594	41 902	2,755	To Bombay there
1634	42 70		{	8.679	\$2 970 1 27 543	A 10	ed from the export
1836-37	69.73		51 542	0,010	112234	2.68.391	trade of Tuncorin
1837-38	74 340			ſ	76,090	849	a they enter a se-
1634	33 197		1	4 5 60	24 007	1 08 485	cond time suto
1839 40	8 10 113	40 650	1	1	3,80 69	1 103	the general export
1840	1 37 59		94.9 0	436	2.53 (08		stat ment from
2412-49	7 44 226	47,292	(·	1 .	91.518		Bombay
1812-43	72,828		3 56 493	788	4 40 108		1
1813-44	1		1 U J90		3 4 00	1	ļ
184445	1 42 518		1402881	389	15 45 790	Į –	1
164544	27 448		072642	14 630	6,64 20	11 524	TO"AL 3 90,004
	18 4 129	87 948	30 59 490	44,8.1	60 65,869		

Norm -11 e value along of the opport from 1 about 900 () 41,21 = 200,800 () Norm -11 e value along of the opport from 1 about 100 million the line unit 1. M dras Gossum Noume 71 e strenge number lable, in the statement of the Madra exports advarks to be stores estuants of the quantity in the laber instructes at a do dot al file. I cons subject for M d s re sous 30 for estimar which is sub-the form to this accelerity of the oil y cotion shipped to 1. If do rupper k i summed as the probable arterage cost the quantity is correct on the 30 pairs of this sheet subt will be 10 his form to 14 k b has could score the state by pairs of this sheet subt 14 k b hadra scolar

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GENERAL Statistics of the Import Cotton Trade of Bombry, from the 1st of January, 1834, to 31st of December, 1846, compiled from the Official Records of the Bombay Custom House

PERIOD	GUZI	I A T	CON	E U N
	Quant ty	Value	Quant ⁴ ty	Value
	lba	THEES	lbs	Firper.s
Jan to 30 April, 1834	2 24 51 444	29 80 05	51 77 619	0.54 985
6343	74 05	31 10 (31	1 63 77 548	23 03 741
533-36	3 9 304	J JJ 12 36	2,43 14 397	24 19 79
1830-37	7 42 12 537	97 (135	514 7 257	84 79 ~00
153 - 38	7 33,53 198	1 01 37 364	1 58 18 401	26 1 191
938	6 03 18 123	JI 8378	3 0 53 185	\$5 61 881
le i	2 (21, 14, 19)	3 6 918	2,69 04 490	85 11 3/7
84041	9 4G 40 094	1 41,51 584	4 35 11 149	50 90 907
811-42.	564090	4 93 348	5 13 45 164	64 78 538
42-43	06.8416	SUT 125	4 69 76,711	52 13 6
4344	7 18 1 107	42 -8 966	4 01 15,810	49 83 27
1-14	6 46 46 53	7 (39 (1))	2 78 96 430	32 19 + 62
845-40	7115 214	4.) 082	9,29 28 212	28 13,879
May to 31 Dec. 1846	2,55 41 167	25,09 888	84 12 661	8 35 281
Total lite	77 83 18,308		39 99 26,936	
T tal cwts	69 4 3 548	[35 70 776 1	
Total condics	9 92,793	10 12,87 486	5 10 111	40 482 271
versee of thirteen years	76,360	77 91 345	39 239	35 J0 944

INPORTS

GENERAL Imports of Bombay, &c -(continued)

PERIOD	MALABAR A	ND CANARA	CUTCH AN	D SCINDE	ALL OTHER	QUARTERS
	Quantity	¥ alue	Quantity	Value	Quantity	Value
	Iba	ruptes	lpa	tupe #4	1b+	rapees
) Jan to 39 \pril 1834	16 20 528	20 342	47 8+0	4 03	60,308	0 694
1835	7 49 016 1 30 60 14	9 53 27G	1 12 308	10 523	5,35 080	77 257
15()-37	1 14 16,142	15 96 737 15 59 C15	44 34 216	6 41 338	6,25 580	90 (386
183	116171	1 7 195	56 76 168	7 6f 670	13 098	1 697
1 38 31	84,95 183	13 11 789	22 42 313	3 04 004	47 575	9 145
1+3 -40	55 92 362	7 48 411	19 61 316	1 .7 592	4 1 26	(34
184 -41	1 51 77 97"	1 30 085	1 02 1 853	13 20 445	22 760	2 132
1811-42	1710965	20 34 900	3412 5	4 7 079		
1 44-43	173 83 801	1731250	49 1112	5 54, 74	88,312	2 489
1+4344	20 82 284	24,54 (21	1 53 07 -12	10 14,085	37 246	4 221
1 14-15	1 30 /0+11	17 42 209	1 10 65 5 6	18 30 295	1 610	230
154 15	2 30 42 (12	18.42, 131	6 0 5 2 5	7,5 529		
1 Muy to 31 Dec 1846	66 51 3,6	6 88 168	30 87 768	3 66 -12		
To al lbs	15 18 09 583		7 01 66 705		14 34 757	
Tralexts	13 6 46		5 26 488		12 \$10	
Tutal c ndies	1 91 749	1 84 76,596	89 498	86,58,313	1,630	1 95,945
A or go of thirt on years	14 904	14 21 276	6 884	6 66 024	141	15 073

GRIND TOTAL of Cotton Imported into Bombay

PPRIOD	Quantity	Quantity	Quantity	Average Value per Candy	V atue
I January to 36 April 1834	11m 3.60 5 822	cwts Gh 373	cand us 34 134	rupica 98-10	r pees 37 65 129
1831-45 1 3510	53,94,144	4 / 5,571	68,317 96,434	97 64 111 43	66,7844
1 SF - 37 180 - 39	1 / 66 (032	10 7 018	3 36 717	101 71 109	1 5240 074
1 i# = 9 163 i⊷f0	10 83 56 660	J 67 485 5 32 352	1 38 209	118 45	1 63 70 603
154041 154112	101 8 151	14 6 792 11 (4 605	1 11 1 G 1 66 401	110 AR SH 76	2,34 10 6 3
194	13 المراد 13 14 7 149	12 07 029	1 / 19	91 84 37 73	1 vi 46,423 1 K 33,4 -0
1×1445 1×441	11 9 1 (50	10347 10165	1 47 92	92 3h 80 22	1 36 62 025 1 14 + 3 168
1 May to 31 December 1846 3 tala	1 16 31 187	3,018	55733	9.48	_ 44 2 8 9
i tage	1481 77 2.8	1 25 15 868	1 47 181	100 22	17 32 00 611

PBRIOD	BOM	BAY	CALC	UTTA.	ман	RAS
PERIOD	Questity	Vatue	Quantity	Value	Quantity	Vaine.
	GW24.	Tupeta,	cwts	rupees	cwia	Tapees
833-34	1		1 05 460	14,32,501	19,491	1.66.60
I Jan to 30 April 1834	2,82,028	68 74 B39				
183435.	5,78,425	1 20 07 397	2,47 455	31 46,139	30 214	64192
635-36	7 01 062	1 73 89 218	4 28,856	62,63 777	1.66 334	25 98 498
1836-87	10,31 219	3 76,77 778	8 19 954	38 39 337	1.9 933	36.08 645
837-38	8,70,046	1 39 66 341	1.49 798	18 61 165	30 684	510311
1838 59	9 06,158	1 43,20 500	171 41	23 21 889	83 158	14 69,850
839-40	8,33,306	\$ 46,47 718	1 32 608	18.27 43	1 36,606	23,57 185
184041	11 76 042	1 90 14 495	35,783	19 2 257	1 05 619	1577 549
841-42	34,37 738	2 16 79 410	81 069	12,05,347	1,59 718	26 93 115
184949	13,18 239	1 89 26 926	1 26,490	17 16,983	2,16 178	28 19,440
843-44	15 30 637	2 10 58 233	148 909	20 25,140	1 14 548	14 03.330
644-45 [J1 99,843	1 53 16 944	1 48,314	20 18 45	1,59,994	21 19 841
845-46	11 50 161	1,36 67 993	68,592	9,33 164	59 972	7 14 185
May to 31 Dec. 1846	6,00 485	68,08,811			4	
Total	1 36 15 569	21,82,55 923	\$2 64,278	3 04 19 967	15,29 143	2,28,11 654
Anamal average	10,47,351	1,64 04 309	1 74,175	23 39,007	1 17 626	17 54 743

GENERAL Statement of the Export Cotton Trade of India from 1833-34 to 1845-46

GENERAL Statement of the Export Cotton Trade of Indua from 1833-34 to 1845-46-(continued).

	TUTIC	ORIN	TOTAL OP	ALL INDI
PBRIOD *	Quantity	Value	Quantity	Value
	ewts.	rupees	Curts	rapees
183334	3,116	41, 03	1 21 076	16, 1 099
I Jab to 30 April 1834			2,8 023	56 74 833
834	2,456	33 970	86 460	1 67 27 31
53335	9 500	1 27 623	13 05,782	2,63 79 046
836	8 357	1 12 194	15 5 463	2,52 7 904
837	5,061	76,090	10,62 389	1 65 13 807
63539	2 085	25 007	1103542	1 60 40 342
839-48	28 331	3,80769	11 30 454	1 92 13 215
84041	18,835	2 13,108	14 36 2"9	2 27 71 319
841	58,491	7 1 518	17 77 111	2,53 71 390
81243	32,745	4 40 (08	16,93,452	2 39 03 107
61344	42,473	5 70 990	16,35,361	2,50 57 693
844 -45	1 15 013	13,45,90	16 23,164	\$ 10 00 (20
84546	49466	6,64 720	13,25,-05	1 59 82 660
1 May to Dec 1846			6,00 455	08,06 811
Total	3 ~6,9%4	50 65 889	1 "7 85 914	37 15, 53, 433
Annual average	28 44	3,89 684	13,68,146	2 96.85 726

ABSTRACT

	PERIOD OF THIRTEEN	QUA	NTITY	V A	LUB
PORT	1 BARS	TOTAL.	Au ual A erage	TUTAL.	Annual Average
Bombay Calcutta M dra Tuticorus	1 January 1854 to 31 December 1845 1 May 1838, to 30 April 1846 Intio ditto Ditto ditto Grand total of thirtera years for all India	ciwits 1 36 (5 169 22 64 278 15 29 143 3 70,924 2 77 85 914	cwta. 104,331 174173 11,126 24994	ropees 21 34,55 /23 3,04 14 907 2 48,11 654 50 55 859 27 15,53 433	rupre 1 04 04 309 23 39 90" 17 54 43 3,8) 654
	Anoual average of quantity and value of thirteen years for all ludia		13 68,145		9 08 x8,725

Y E A R S	Purgunan	Number of Villague	Batent of Cotton Culu vation in Becgas	Extent of other Cultiva tion in Beegas	per Bee	of Asser gs on L ed with (ands cul	per Bee ti	of Assessment ga on Lands of rated with oduce than Cott	Cotton	Average Number of Average Becass required to Governmen produce a Sorst Caudy Assessment of 784 lbs of Clean thereon	of the	Amount of Remission granted op. Cotton	Toras Amount of Remissions granted on all Descrip- tions of Lands
		ž	in needer	m beegan	Highest	Lowest	Average	Highest	Lowest. Aver	go from Beega	Cotton	Beegn.	Lands.	or Lands
834-35	,	48.4	49,321 4 19	1,81,978 9 5	6 10 0	2 8 0	3 1 1	6 8 0	36034	8 4 32t	14 5 18 44 0 5	, eq ft.	4 1990 0 9	5 481 5 4
35-36	9	4858	49 216 1 15	1,80 031 15 4	6 10 0	2 6 6	3 2 3		26035	7 4 87=	13 6 0 41 11 1	11 11		8,245 11 8
3637	9	4851	31,877 0 15	1,99,121 2 17	6 10 0	2 8 0	3 2 1	8 8 0	26034	1 8 9	13 13 0 40 0 8			14069 0 4
3785	9	4854	62,845 0 1	1 79 131 2 15	6 20 0	260	3 1 2	8 8 0	26034	8 4 372	18 11 2 41 15 7			10 118 1 1
38-39	9	435	61 589 19 18	1 61 617 13 1		2 0 0	301	7 10 0	20023	4 8 15	22 16 1 71 8 0		13,868 8 0	3,06,552 0 1
39-40	9	160	51,897 1 2	2,05,363 4 16	5 12 0	200	2 13 (7 10 0	20081	5 5 308	19 17 9 37 1 8	29 615 2		4,614 18 5
40-41	9	4884	48 02, 13 11	2 09,288 10 (5 23 (200	2 14 2	3 7 10 0	20021	8 4 292	14 7 2 44 7 10		V	9900 1 5
11-42	9	4864	71,342 16 3	1,91 028 10 11	5 12 0	200	2 13 8	7 10 0	20051	10 4 831	18 19 16 29 1 6	(i (i		867 B 5
42-43		480j		2 17 109 8 3	5 12 0	200	2 13 9	7 10 0	20031	8 4 59	18 7 7 88 9 8			6,498 4 6
13-44			36,248 15 15	2,91 532 17 5	5 12 0	200	8 13 9	7 10 0	20081	8 4 211	11 14 0 38 10 6	li II		1,005 1 2
H4 —4 5	9	436)	65,933 1 13	1 70,065 15 15	5 12 (200	2 14 0	7 10 0	20023	8 5 28	12 18 19 87 4 4			3,794 2 1
145-46	9	49, 2	67 175 18 10	1 75 593 8 2	5 12 1	9 0 2	2 13 6	7 10 0	20031	1 4 99	14 8 2 40 7 7	μι		19,592 14 10

STATEMENT showing the Extent of Cotton Cultivation in the Surat Collectorate for the Years undermentioned, its Proportion to other Cultivation, its Assessment, and its Average Produce from a given Quantity of Land

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CULTIVATION AND SUPPLY OF COTTON

ORIENTAL COMMERCE.

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DESCRIPTION OP PRODUCE	Average Annual P educe of Five Acres of Ordinary Soil			Government Assessments of Fr c Acres being Hirth Annas per Acre	for	V	alue cres	OBSERVATIONS OR BEMARKS.
Toar Joary Alsee or Jarvas Wiest (ist sort) Grain Mickes or Mult Teel or Sysamum Karnia, Jeel Moog Sarah Bior Sarah Sicrandee	10 20 35 40 15 37 5 5 7 20 18 30	י א א אין ו	s weight capacity " "	2 rupees and 8 ahony	9 9 9 9 9 9 2 9 9 9 9 9 9 9 9 9 9 9 9 9	7 20100000000000000000000000000000000000	00000	Buch mond of forty serve, each seter for set any orbit Company are press, and texture sets of the divergence of the set of the set and the set of the divergence of the set of the divergence of the set of the set Calculating divergence of the set of the set culturation. It leaves two infits from which the typic has to pay his dues to governament Grown with Balcoe Selfam grown alone

STATEMENT showing the Annual Produce of Fire Acres of Soil of Average Description, the Assessment thereon, and the Average Market Value of that Produce, in an Ordinary Season, in the Sholapoor Collectorate.

STATEMENT showing the Extent of the Cotton Cultivation in the Sholapour Collectorate, for the lears undermentioned, its Proportion to the other Cultivation, its Assessment, and its Average Produce from a given Quantity of Land

R S		of G verpment	of Cott n Cultiva on in Acres	t of other Cultiva tion in Acres	Asses per on Lar	Acr	unt U Cerl	A ap part sa L tive	ted '	ient ne i cul with with	Arcrage Produce of Cot- ton obtained from an Acre	w Number of Acres ed to product a Candy of 784 lbs ta Cotton	Arerago Corcrament Ar sessment thorson	Superficial Extant of the Acro.	Amouot of Remissions granted on Cotton Land
Y B A R	Z Ilah.	h umber	Extent of tion	Ex ent	o Highest	Lowcat	Average	Highest	Lovest	Average	Acte	A rerege ? required Burst Ca	rerago Intiti	iperfe.	unted
ĩ	2	3	4	3	e e	3	A N	H 9	5	á u	12	13.	14	uč 15	16
2834-35	Dholancor ilian	527	2,569	4 06 460	l rupee or	4 201 20	IO appar	I rupet or 16 pres	1 soba	8 anns	100 lbs of accited cot ton and of clean cotton 40 lbs	6 actes per se ded und luj actes for citan e tion	24 on 5 facter of fit rupees a sunty on for acres	1840 square 15 vrds	1825 12 6
1835 36 1836-37 18318 1833,3 183,3-40 1840 11		670 615 645 714 65	2710 22922 21841 3 445 54 601	6.) 1460 7 70 604 N 33 177 I. 20 502	(-										8.58 13 0 1 1.44 15 7 29 141 2 8 76 665 4 8 9 \$10 13 0
1841-42 1842-43 1843-44 1844-46 1643-46		176 776 899 901 901	13 451 14 13 61 007 75 436	14 2189 18 24 22 16,30 069 14,44,314 15 16 348 16 02,551											825 0 0 400 0 0 1 517 5 3 2 834 12 5

Nors. — The rates quoted in columns 6 to 11 are thuse introduced not the collectorate by the new reverse energy and a resultant if the w comm use in rates. — Board considered in 1844—43 previous to that period the rates on land a let if more that the start of the start of the start is inflated to any refers the rates of by every TD has found a roter at the near the restored fload period to the start of the start of the start of the start found a roter at the quotient of the start is the start of the start of the start of the start of the found a roter at the quotient of the start is the start of

Sholapoor Collector's-Camp at Vermulla 26th of Pebruary 1847

(Signed) G COLES, Collector

YBARS	Number of		Beogas	Beega o	Assessm n Land c ich Cotto	ultivated	Per Be	Rate of Assessment Por He gs on Land cul tivated with other Products		Per Be gs on Land cul tivated with other		Per Be gs on Land cul tivated with other		Per Be ga on Land cal tivated with other		Per Be ge on Land cul tivated with other		Per Be gs on Land cul tivated with other Products		er Be ge an Land oul tivated with other Products Obtained for	of Bergas re Average Pro duce of Cotton obtained from Candy of 744 lbs ons Berga. of Usance	Average Pro duce of Cotton duce a Surat i e on 1 and obtained from Candy of 724 lbs sufficient to one Beega. of Cleaned yield a Candy	fici Fx K	ount of Remis ons granted to lotton Lands
		Cottop	Other Product	Highest	Lowest.	Average	Highest.	Lowest	Average		Cotton	of Cleancd Cotton												
1834-35	3.0	3 98 015	3 92,678								for 1837 – 38 1838 0 are taken from		2477 yds The	ne cannot h										
193536	o whole	9 74,609	3 68 293		ł					the actual par	ers of forty five breat classes) in		(Mr Wil land	n and the The fellow abstract show										
1837-8,	t in the etorate	2,42,080	3 49,933				[[Ι.		Beogas Wussas		aud	ntire remusiou balances writte										
183,39 -	pment i collecte	2,81 667	3,98 338	7 0 8	292	409	3 13 10	1 12 10	[••••]	Ruppas 1512 scers equal to cleaned collou 4, lbs	5 16 14 or 20 4	(At the average of Ra 4 6 2) Ra 73 12 9	Balances out	inco 1640										
1888-39	Gover	a 12 640	2 64,803	816	0 10 4	1 8 11	2 4 8	0 2 11	1 2 0 }	Kappas 45 seers r cotton 15 lbs	2	(At the average of Rs 1 S 11) Rs 81 0 4	Remissions gl	Rs a t										
1859—40		8,07,591	3 10,804	4 11 0	2 9 11		3 15 8	1 18 2	27 5	Kuppasl34 cers or cotton 413 lbs	3 10 16 2	(At the average of Rs 3 5 5) Rs 62 12 4	In 1840-41 1841-42 1842-43	1,28,656 0 9 445 1										
1810-41		2,89 182	3 21 603		8	946			624				1843-41 2844-45 1845-40	6,465 10 1 61 617 - 2 4 14 328 11										
1941-42		2 59,499	3 60 283							45, and 1845-40 the new Begotte	1843-44 1844 are taken from o Settlemont	[TOTAL	6 29 593 10										
1842		2,68 760	3,79 250		ļ								Balances writh In 1840-41	R≠ 4 1 1,6610 B										
184344		2 17 540	4 69 216	1					l r	kuppes, or 120	At the average rate quoted vix	rage assessment	184142 184243 184344	1 014 8 2,01942 1 106 08 01										
94445 , ,		2,73,450	3,46,525	>	1 1 1	2 6 11	800	1 1 1	2611	seers (48 scer	99 199 lbs to) beega,strequires 20 beegas in an	of Rs 2 6 10 por	1844-45	1 19,543 9 13 959 TO										
845-46		2,77 043	3,33 895	J						sects kuppas equal 40 sects.	average year to yiel 1 a candy of cleaned cotton	candy of ention is equal to	TOTAL Balance outsta ing on 1st A											

CULTIVATION AND SUPPLY OF COTTON

ORIENTAL COMMERCE

STATEMENT showing the principal Grains, their Average Annual Produce of 100 Beegas of Land, Government Assessment on the same, and the Average Market Value to the Cultrator in the Collectorate of Surat.

DESCRIPTION OF PRODUCE	Average Annual Produce of 100 Beegas of Average Or- dinaty	Assessment on	Average Market Value to the Cultivators	OBSERVATIONS
Ruppus Bayree and kuthol Kuthol Joawarce and kuthol Bhat or rice grown in keenree	20ds ann 637 0 971 0 620 0 898 0	rm a p 805 6 7 807 5 0 208 9 9 315 9 10	78 4 p 640 5 4 6722 11 6 407 4 0 540 3 8	Froduced in gorat land
land 3,500 After rice crop, vall kutbol & produced 645	4 345 0	800 0 0	1,004 1 6	Ditto, in kecaroe land.
Bhat or rice in jectart land	1 500 0 -	250 0 0	502 8 0	Ditto, in jeerart land
Kodra	1 510 0	258 12 0	424 0 4	
Matt	697 0	350 0 0	418 8 0	Ditto, in gorat land
Toone	668 0	254 15 7	490 13 0	
Tali	401 0	282 5 6	512 3 6	
Wheat and mustard	790 0	282 0 8	806 1 0	
Nagios	962 0	235 15 0 350 0 0	368 8 0	
Goovar Urrud	993 0 584 0	350 0 0	662 3 0 375 0 0	
Grain and dwells	453 0	232 18 9	870 0 0	
Kuppus and tull	427 0	331 4 0	469 6 0 1	
Tall and thour	430 0	327 13 4	574 2 5	
Tobacco	1 577 20	544 10 6	8417 6 0	Ditto in gorat gubban land
Sugar cano	6,657 20	705 6 9	7 293 5 4	Ditto, in koodster baget, or land irrighted by means of wells.

Nors.-All the other crops or produce on which no observation is made can be produced in any soil

The cost of production of cotton to the ryots is estimated as follows, supposing thirteen beegas of average zeraet land will produce one Surat candy of clean cotton, or 784 lbs

	ĸs	B	p	
Average government assessment on thirteen beegas of land	39	0	õ	
Ploughing before sowing	6	8	0	
Cotton seeds or kuppus, one mound and twenty five seers	0	12	0	
Hire for sowing ditto	8	4	0	
Hire for ploughing, called kulpee	3	4	ø	
1173	 6	8	0	
Gathering the cotton	7	0	0	
Digging out the roots after the gathering	8	4	0	
_		~		
Rupees	69	8	0	

Should the above land be cultivated, as is generally the case by the ryots, by means of his own bullocks, and the ground being weeded, and the cotton picked by the members of his family, of course the profiles on the produce are much greater

Allowing that thirteen beegas of land would yield about sixty-six maunds of kuppus which can be sold for eighty-one rupees four annas, after deducting the foregoing amount of expense, sixty-nine rupees eight annas, there remains a nett profit of eleven rupees twelve annas to the culturator

The price paid by merchants, and the charge incurred by them for the sixty-six maunds of kuppus, the produce of thirteen beegas, are estimated as follows --

Value paid for the kuppus Hire for separating seed from cotton Screwing, including gunning, pats, ropes, binding, cart hire, dalals brokerage, &c.	81 10	õ		
Deducting price of kuppuses or cotton seed .	96 17		00	
Lesving a pett sum of	79	0	5	

as the expense incurred by merchants for one candy of clean cotton, ready to be shipped on board the boat.

"There are seventeen places cnumerated below, where screws are fixed, and temporary sheds erected for cleaning cotton but the chief places where sales of cotton take place are the city of Starat and towa of Raader

1	Oolapor	7	Kulargam		Kupletha
2	Randier	8	Barracha		Surbhon
3	Nundroee	9	Sunnia.		Bardolee
4	Morthan	10	Purout	16	Hansapor
5	Ucharun	11	Pandusoa	17	City of Surat
6	Kudrama	12	Eklera		•

"The parties who establish 'stars' or warehouses, generally purchase cotton from the ryots just as it is picked, they then separate the seeds by means of churkas, and sell it to the cotton brokers, who purchase for the metchants The enhancement in the proceis not considered to be very great during the transfer, probably not more than two or three rupees a cardy

In reply to your second letter, dated 23rd ultimo, on the same subject. I have the honour to state that I cannot suggest any mode of cheapening the production of cotton in this district, the most obvious plan would be by a reduction in the assessment of the land cultivated for cotton but this I am not prepared to recommend, as I do not consider the rates too high on the land in which it is generally produced, this description of land, when not cultivated with cotton, pays readily the assessment from the grain at produces, and it should be borne in mind that a great reduction has already been made on the rate of assessment per begaon land generally throughout this zillah, and that the cultivators have been relieved from many heavy payments on account of versa and other cesses

"I am informed that the cotton generally would produce a higher price in Bombay and the English market, and the cultivators would consequently receive greater remucention, were in not that they deteriorate its quality in many ways to add to its weight, such as exposing it to the night dew, which injures its colour and the other modes adopted by them for this purpose render it expensive and difficult to clean. If the cotton crop could be purchased by merchants or their agents while standing, and picked and the seed separated under careful superintendence, the best results might be anticipated

"I may add, that a change in the seed used would probably lead to an improvement in the produce, but this point has already I do not doubt, come under the consideration of the committee — *Report on Indua Cotton*

MISCELLANFOUS STATISTICS OF THE PRODUCTS, IMPORTS, AND EXPORTS OF COTION WOOL

It is remarkable that Hindoostan was, for centuries previous to other countries, the region which we find celebrated for both the growth and manu facture of cotton Herodotus alludes to woven cloth made of cotton wool, constituting the vestments worn by the Hindoos, and, from being generally worn, its growth and manufacture was probably common for many centuries before the time of Herodotus, who wrote about 445 years before the Christian era. In the "Peryplus of the Erythrean Sea" (Perplus maris Erythrea), written by Arriun, we have an account of a trade in Indian calcoces, and both Strabo and Pliny also allude to those cotton fabrics, and to thein having extended to Persia and Upper Legypt Arrian navigated and traded in the Indian seas

While cotton manufactures flourished for so many ages in Hindoostan, it is

ORIENTAL COMMERCE.

remarkable that neither cotton wool was culturated nor manufactured into cloth in China until about the thirteenth century, and that its manufacture in Europe and America has been comparatively of very recent date

From the meagre accounts we possess of the early manufactures of Great Britain, the period at which cotton wool was first imported is uncertain. The first importations were from the Levant

Anderson enumerates several statutes, &c, respecting wool, and woollen fabrics, &c, in the reign of Edward III , and referring to the stipulations made by that prince, with regard to the trading towns of Scotland, in 1357, Glasgow is not named, while Lanark and Peebles are considered important places The society of merchants of Saint Thomas & Becket were, about the year 1360, exporters of considerable quantities of English-made woollen cloths Coarse woollens for domestic wear appear to have been woven in England for centuries previous to this period For Judge Hale (Primitive Origin of Mankind) save. speaking of ancient guilds, " that they were erected in England for the woollen manufactures, as at Lincoln, York, Oxford, &c., that in the times of Henry II and Richard I this kingdom greatly flourished in that art, that by the troublesome wars in the times of John, Henry III, Edward I, and Edward II, this manufacture was wholly lost, and all our trade ran out in wools, woolfels, and leather, that by the wise and peaceable times of Edward III, he regained that art hither again after 100 years discontinuance. Scotland confined its trade for a very long period to its boroughs "

Spanish wool was used early in making English broad cloth The Weavers' Company obtained their charter, without date, from Henry II., supposed to be in 1172, they existed, however, as a company in his grandfather's time. Henry I, who, according to Stow, gave them a monopoly, but it was stipulated. "that if any cloth were found to be made of Spanish wool mixed with English wool, the Mayor of London should see it burnt" In 1197, the dimensions of English broad cloth was fixed by statute, and we find almost in every succeeding reign, laws for regulating the wool trade and the woollen manufactures By the last statute of the reign of Edward III., Irish woollen cloth, called "frise," is declared of great antiquity, and this cloth is exempted from the length and breadth required for other cloths by the statute About 1390, Kendal and Westmoreland cloths, called "cogg-ware," are mentioned in a statute, and in another, the following year, the plain cloths of Somerset. Dorset, Bristol, and Gloucester, are mentioned Guildford cloths are soon after noticed Giasgow is first, in 1430, mentioned as a place "where commerce was begun," and, in 1540, a law was passed in Scotland for regulating woollen manufactures Henry III, for a fine of ten marks, gave a charter to Liverpool. then a small fishing village, in 1229 It was long after before it became a port of any importance

Although woven manufactures of sheep's wool became early important, those of cotton wool are of recent origin in Great Britain and in the North of Ireland, yet, in 1641, Mr Lewis Roberts says, in his "Map of Commerce,"—"The town of Manchester buys the linen yarn of the Irish in great quantities, and weaving it, returns the same again to Ireland to sell Noither does her industry rest here, for they buy cotton wool in London, that comes from Cyprus, and Smyrna, and work the same into fustians, vermillions, dimities, &c., which they return again to London, where they are sold, and from thence, not seldom, are sent into such foreign ports where the first materials may be more easily had for their manufactures of Manchester began during the last years of the sixteenth, or very early in the seventeenth century, though their great development can only be dated from the year 17/3

The Manchester cotton and cotton velvets which are at first mentioned were, however, woollen mutations of those cotton goods, which were imported from abroad

Mr Munn, in 1624, gives an account of cottons being imported, the East Indri Company exporting, at an average, 50,000 pieces per annum, but our official accounts are for a long period deficient, and the rapid extension and chief production of the various manufactures of cotton, in Lancashire, Lanarkshire, and even in the North of Ireland, and also in the New England States and Switzerland, constitute the most extraordinary branch of industry which the world affords France, Germany, and Belgium followed next in the order of cotton manufacturing countries Austra has also considerable fabrics Catalonia manufactures some, and by contraband, the safety value of prohibition, imports abundant cotton fabrics into Spain Russia has established several factories, under a permicious system Attempts to manufacture cotton have been making in Holland, Denmark, Sweden, Naples, and Portugal

A great question for the consideration of the people of these kingdoms, is involved in an inquiry, of almost vital importance to the employment and vustenance of, not only the greatest mass of the manufacturing population, but to the commerce of the empire, viz, the sources from which, and the necessary quantities of, the rate maternal, is to be hereafter obtained

The greatest producing country of cotton wool, the United States of America, has become also a great manufacturing country (see our Report, Part XV, on the United States, for full details of cotton erops and of the cotton manufactures of the United States) And, we must in our inquiry and conclusions beau in mind, that all the above-named countries are now become competitors in the markets of the world for the raw material of cotton wool the quantity of which produced in the southern climate of Europe, the two Sicelies, and Spain, need merely be mentioned as being of utter insignificance. America, Asia, and Africa, are the countries upon which we must depend Many perts of South America, and of the West India Islands, are admirably adapted by soil and chimate for its cultivation But with the exception of the Spanish West Indies, and parts of Brazil, the want of sufficient labour constitutes the great drawback on both abundant and cheap production In Cuba and Porto Rico, sugar cultivation is more profitable than cotton In Brazil, even with slave labour, agriculture energy is wanting

The extensive fortule regions of the British empire, alone, might supply, not only the United Kingdom, but all the world, with cotton wool. The want of labour, and the consequent high cost of production in the British West Indies, constitutes the impediment, certainly not the climate, nor the soil Guiana has probably as great an area of soil, genual to the growth of cotton wool, as the extent now under cultivation in the United States But the labourers are wanting

Africa, otherwise undoubtedly genial to the cultivation of cotton, is in too hopeless a state of barbarism to yield a supply, at least, not at an early period Egypt has for some time exported cotton, but even under a compulsory system, the cultivation of cotton in Egypt will for a long period be comparatively limited *

With respect to Asia, the Celestial Empire demands a large supply from India, or other countries Cochin China, Siam, and Borneo, are in too rude a condition to grow it in large quantities, although in the two former some is grown, and the soil and climate of the latter is admirably adapted for the growth of cotton Asia Minor yields considerable quantities of cotton in the districts of Kassariah and Anapa, part of which is sent for shipment to Smyrna. and Cyprus still yields and exports small quantities of cotton The Dutch East Indies yield some, and might yield much Under Spain httle productive industry can be hoped for in the Philippines, and the growth of cotton wool in those large and naturally fertile islands is trifling in quantity Borneo, if we administer with judgment at Labuan, may in time yield a considerable supply of cotton The south eastern parts of New Holland appear to be well adapted by climate and soil to yield excellent cotton in abundance,-but there are no labourers in the field, it may be said, no inhabitants Malacca may also produce some

It becomes, therefore, almost a policy of necessity to direct our views and

YEARS	Quantity	YBARS	Quantity	
163334 (33435) 183536 283637 183738 183839	bag8 36 085 98 048 113 000 175 000 80,000 81,000	1839 - 40 184041 184143 184243 184344 184445	1 284, 78,300 74 000 85 000 150 000 esti 175,000 mates	

* The Growth of Cotton in Egypt has been stated as follows ---

our labours chiefly to British India for a supply of the article which, to the United Kingdom, is the most important, next to that of food, which, in fact, more than any other article, has enabled a great portion of the people to pay for food

The early accounts of the imports of raw cotton wool are very meagre From the quantity of 1,976,350 lbs being imported, in 1697, and not more than 1,658,365 lbs, in 1749, and only 3,870,392 lbs, in 1764, and only 5,198,776 lbs, in 1761, the slow progress of the manufacture, until the jenny, nucle, and spinning-frame came into full operation, is apparent

The following tables are given, the first by Mr Baines, the second by Malachy Postlethwate (Commercial Dictionary), and the third from both and from official returns The tables which follow are all condensed from official statements —

YEARS	Raw Cott n Im portud	Off 1 Value of British Cot on Cods Exported	Y	R A	R	\$ Raw Cotton Im ported	Official Value of Briih Catun t aodaKaported
1701 1701 1710 1710)bs 1	23 243 5 798	1730 1741 1751 1 64			lius 1 545,479 1 615 031 2 9 6,610 8 870 3,12	£ 33 24 20 09 46 980 200 354

TABLE	I
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TABLE II

YEARS	Cotton Imported	Colton Exported	Cotton retained for Home Use
17 1% 12 44 17 45 17 45 17 46 1 47 1 18 1 49	1 132 288 1 132 288 1 142 473 1 462 73 2 204 973 2 204 973 2 204 973 2 204 973 2 204 973 2 204 973 2 305 1 55 855	104 40,570 152705 74172 *3475 29458 294717 340955	104 1031 418 1700 108 1309 361 2401 529 2197 431 4 61 249 1327 377

EARLY IMPORTS OF AMERICAN COTTON FROM AMERICA INTO ENGLAND

COTTON is said to be indigenous in the Lower Mississippian regions, and it is said to have been used extensively in the western parts of South America, as a material for clothing, before the discovery of those regions by Europeans Our first accounts of it, as a stuple article of commerce, is in St Domingo, before 1726, and in Surnam, before 1733 We find that "cotton patches" were common in Carolina about the end of the seventeenth century, and that there were exported from Jamaica 2000 bags of cotton in 1753, and, in 1768, to the United Kingdom, 2211 bags, 442,200 lbs, and to North America, 252 bags

The first import of cotton wool, the produce of the United States of America, was at Liverpool, on the 20th of January, 1785, of one bag from Charleston, February 17th, New York, one bag, July 21st, Philadelphia, three bags, Norember 17th, Philadelphia, nine bags Total, fourteen bags

ORIENTAL COMMERCE

1786 —May 4th, from Charleston, two bags, June 21st, Charleston, four bags Total, six bags

TABLE IIL-Account of t	he Imports and Britain	Exports of since 1697	Cotton W	ool, into and	from Great
	· · · · · · · · · · · · · · · · · · ·				

YEARS	Imports	Exports.	YEARS	imports	Baports
	łbe	Jbr.		1 104.	lite
697	1 97: 389		11769	32.570 023	\$97 837
30	1 544,478	1	15 00	31 44 605	843 154
741	1645031	1	1791	28 01.675	363 112
751	2 97 - 10		1792	34.00 407	1 485 405
1.4	3 \$70, 192		1/93	19 140 929	1 171 500
61	514 8	96 758	1794	24 338 567	1 134 0
89	114 40 9	421 129	1795	26 101 340	1 1 103 7
**3	1731653	177 (96	1796	32,140 357	604 62
144	11 4 2 9 48	201 8-15	11797	23 451 371	600 058
745	18 400 3%4	407 4.10	1.58	31 550 641	61139
-26	1947-90	323 159	1 99	43 3 9 2 8	944 (**1
87	23,250 268	1,073,391	1300	30,010,732	4414,610
785	0 407 130	853 146			

Account of Imports into and Exports of Cotton Wool, &c , from Great Britain-(continued)

	Quant ty of Cotton		Quantity of Cotton	Value of Cotton M	anufactures Exporte
YBARS	Wool imported	Official	Wo it taken for consumption	Official	Real or declared
	164	£	ibs	£	£
801	55,004 305	1 860 879	64 203,433	7 050 509	
802	60 346 .00	3 730 180	JC 615 120	76 + 505	
863	53.61 /94	561 053	\$2,251_31	7 081 441	
804	01 80 129	803,171	61 364,158	8,746,779	1
505	49 692,406	604 43	5 55,875,153	9 534 465	<i>}</i>
806	58 176,243	651 867	57 5 4 416	10 489 649	1
807	74 2, 306	2,176,283	72 48 363	10 309 65	
805	43 664,5952	1 044 867	41 161 115	12 100,096	1
809	92 811 242	4 351 105	884117	19 443 966	
810	132 195, 435	8,787 109	1°3 81 826 00 309 1 68	18 951 994	
811	91 576 535	1 206,807	01 295,024	12,013,149	1
814	50 90 G 005	1 440,314	50, 61, 100	16,317 090	destroyed by fire
813 814	20.04/07323	6 282.437	33 77 503	17 655,378	20 033 132
\$15	04 300,343	6 / 50 102	92 135 151	22 289 615	20.6 0 2 6
816	93,20,015	7 105 634	86,815 021	17 504 461	1 577 2 12
817	121 912 48	8 155 142	116,757 326	21 259,224	16,012,001
\$18	17 252 158	15 159 453	16 122 04	32 559 139	18 67 517
819	149739829	16.022,969	133 116.111	18,282,992	14,099.919
×20	1 151 (72 (55	0 074 138	152 8 9 633	22 531 0 9	16 516,748
828	142.40 - 20	14 559 497	137 401 549	1 22 541 615	16,098,757
822	142 637 (28	18,26 6	143 426 127	96.911.043	17 218 "24
623	191 402,503	9,318,402	180 311 0/0	26,544 0	16,3 / (4)4
624	119,350)22	13, 999 505	141 034 743	30,153-01	19 452,987
825	228 005 291	18,004.013	20 546,569	29 49 3 287	\$8,357 526
816.	177 007 401	24 474 520	162,85/ 012	25 194 270	14 094,369
817	274,448 909	18,134 1 0	249 04 396	33 152 898	11 637 165
843	227 740 648	17,396 776	203 947 744	33,467 417	17 244 457
\$29	222 7 7 411	20 2 9 115	204 007 037	3 6 432	17 535 008
830	263 941 452	8 534 76	219 616 640	41 0%0 1/9	1.4.5 664
831	988,674 ×53 2× 1832 525	22,305 655 18 027 40	2 3 249 C x3 259 41 24 43	43.785.255	1 398 393
832	301 (36,837	1 36	293 642 974	49,137 210	18,480,400
837 834	316,875 425	24 461 /63	305 102 101	51 0* 140	20 13 58
835	364 702 963	39 79 34	333 043 464	69 333, 278	22 125,304
831	405 969 037	31 3 763	203,184 .32	38.5 8 448	\$4 633,958
937	407 286 183	39742,031	305.145.035	51 1.50 90	90 537 123
835.	60 810 577	20 644 409	451 030 755	61 *12.528	24 117 720
830	289 396,559	W 3a 2.18	353 100 72	67 917 021	94 550 377
540	592 468 010	38 73 220	528,142,743	73.1 2 251	24 668 618
541	487 992 335	87 173 335	437 003 (31	69 "98 131	23 499 4 8
842	531710 180	45 -51 802	473 5 6 400	64 684 891	21 674 598
843	673 193,116	31119.00		61 21 249	23,44 971
843	} 44r 311 104	4 222 541	554 [-6,603	91 939 5,4	\$5 805 346
845	2 160 1000	1110,354	0 2163 (15	1	20,118,593
1846.	467 748,168	48,930 704	401 510,304	1	1
847	1		1	1	1
18 18	1 1		1	1	1
649	1 1		1	1	1
1830	1		1	1	

COUNTRIES	1881	1883	1633	1834	1835	1836	1637	1836	1639	1810
aly and the Italian Islands	lbs 2 640	21 739	15,08	1b# 825 138	2 701 958	1be g 799 265	164 1 440 174	1bs 996 764	11 3 3 40 0 69	1b# 843.04
	343 895	28 063	1, 198	620 138 J	527	\$ 190 205	5 205	990 /04	3 3 45	617 4
alta	266 550	243 /79	433 698	419 730	557.940	557 189	608 129	660 555	103 133	463 9
urkey yr a and Palestine	460 350	283770	433 636	410 /00	201.940	61 814	006 (29	600 005	70 286	469.9
gybt	7 714 474	8,824 131	553,364	444 437	5 181 017	4 507 "11	7 273 411	4 71 923	2,864 748	0.38 1
t tern Coast of Africa	1111 414	6,024 (11	000,004		4(3	6.924	7.27.0 411	3 897	51 969	9,06
ape of Good Hope			35	• 4 203 39 7 14	15 377		1.54		Mi 240	70 5
aurit os	-				39 579		45 125		49 313	100
st India Company Territ ries and Coylon	25 805 153	35,176,785	39 755 164	82,920 865	41 422 011	75 949 845	51 534 072	40 217 734	47 1 2,989	77 011 8
m and Islands in the Indian Scas				3 868		214)	71 059	41340		
b (ppine fel ads	8 420	40 879	37 908		39,975	233 631	\$62 03	22 218	24 618	
ritigh North American Colonies	310 016	7 158	145 599	3 339.	672	1 811	17 588	12 415	81 (38	- 1
West indica	9,401 085	2 040 128	• n=1 663	9.296 25	1 815 270	1714 337	1 695 702	1 52 1,350	1 248,154	\$001
(4) (1	251 279	59 413	389 791	823 004	91 179	\$3 775	\$2.030	60 064	171 502	10.9
ul a and other fore gn West ludies		314		34	1 093	111201	\$2 007	27 371		108.0
ited States of Am rica	219,333,698	219 , 56 7 53	\$37 50G 758	269 203 073	23-1 455 81 g	289 615,692	320 6-1 716	481 437 859	811 59 798	487 856,
xico and Gustemals		1 396		23 471	4 103	180	4 0 5 9		300 1.J2	12.4
olumbia	834 691	293 602	806 038	1 004 849	1 904 309	2,310 996	2 2 3 8 6 7	2,6 7 194	2 935 744	1 618 .
razil	31 695 761	20 109 566	28 463 821	19 201 390	21 956 109	27 501 9	20,040 145	24 404,505	10 971 979	14,2791
tates of the Hie de la Plata		3,789	822	536	16 399 263 561	112		10 987		657 (
hitt	10 6.4		56	74,701	105 661	1 6,578	29 219 404 940	434 633	366,712	
eru iher places	87 017	1 194	947 250	4,053 96,164	87 329	353,276	166,064	131 640	1 120 J67 800 635	541 - 135 I
ther places	110	1/2 (04	947 300	50,704	67 0 43	303,270	100,004	151 / 60	600 655	1921
TOTAL	289 6*4,9*3	286,832 323	303 656,#37	326 875 425	368 702 903	406 959 057	407 286 783	507,850,-77	889,396,550	602,488
QUANTITI	es of Cott	on Wool I	le exporte	d from the	United F	Kingdom-	-(continue	d)		
COUNTRIES	1831	1839	1633	1834	1635	1880	1837	1838	1839	1840
~	ibs	liter	lbs	3be	lihs	lbs.	the	lbs	The	l lbs
Russia	1 274 815	2,119,440	1 253 689	2,687 511	4 972,539	3 339,56	50 2 681	6,734 597	7 532,051	5 760 1
weden	184 335	13 684		17,498	183	58 14	108 569	48 814	244 053	1011
Norway	83,558	22 63 5	89 939	89 275	89 227	134 899	03 403	58 282	102,913	85
lenmark	10 123	45 681	1	4 946	25 335	6,671	14516	· ·	4 704	21 -
Fussia	629 300	904 685	111 236	383 666	548 026	677 (1)	972,391	623 171	804 014	1 213
ermany	3,390,635	4,980 424	8,585,872	6 95 3 58	8 324 767	9 225 395	9 300 792	7 216,535	8 260 865	11,870
braito H	11 443 021	8,800,717	1 4 243 665	7 015 235	8,793 406	9 008 185	13 293,548	8,28 995	9 361 974	\$ 3(2)
Beigium			1 6 180 139	3 30 325	5,851 127	5,913 935	7 764,861	4 554 222	6,349 669	4,.84
Fran e	181 059	1/ 119	62 095	1 101 827	839 / 60	167 312	54 595 27 161	105,770	6.28,695	231
ipain and the Balcaric felands Tubraltar	2,003,71/	2,835	6+3,718	200 253	86,864	26,663		8 013	50 262	89 8
taly and the Italian Islands	3,174 866	1 108,098	1 026 609	2 274 178	3 601 702	2 971 185	8,974,311	2,990,756	5 642,207	6 6 50,
States of the Rio de la Plata)	1	1	1	1	1	1	1	8,808	(
		10 118								
Dither places	3,001	1 10.118		l	1	1				

ORIENTAL COWMERCE

COUNTRIES.	1841	1842	1843	1844	1845	1646	1647
From	lbs	lbs	lbs	lbs	i noi	lles	Hos.
United States of America	356 240 964	414 030 7 0	574 739,590	517 918 032	026 650 412		1
Brazi	16,171 348	15 222,4 28	18,6 5 123	2) 08-1 744	20 157 633		1.
T rkey Swrin and Egypt		443500	\$ 570 160	5 \$ 810	11 12 30		1
Other foreign countries	5 545,938	4, 2, 4, 481	4 024 875	11 874,533	3 871,505		í I
Total foreign	388,492 872	437 961 778	686 008 578	555, 60 509	662 202 431		{
East it dia und Mauritins					()		1
the growth of	97 369 319	92,972,441	63 597 507	88 639 608	58,43 426		1
Foreign	19 841	169	119102	158			
West Indies, growth of	28,1135	248 9 5	310 557	221 656	\$ 1417 811		£
Poreign	1 241 062	344 628	949,587	7 485 535	15 ranser 1		1
Other British possessions					1		£
growth of	11 886		\$63 412	\$ 248	381		1
Foreign	26,297	423	10 853	577	1 1		i i
Total British possessions	99 299,533	93 788 305	67 184 435	90,250 795	-9,955,558		1
Total all countries	487 992,355	331 90,088	673,193,116	688 111 394	22 057 999		

COTTON Wool Imported into the United Kingdom from the following Places during the Years 1841 to 1847, inclusive

NUMBER of Bags and Bales of Cotton Imported, Exported, taken for Consumption, and the Stock on Hand in Loudon, Liverpool, and Glasgow, each Year, from 1830 to 1847, both inclusive

YEARS	Imported	Exportes &c.	Taken for Counterption sud di stroy d by Fire	Steck in Loudan the 1st of January in each Year	Stock in Liv rpool the lat f Jonuary m each 1 car	Stock in Giasgow the 1 Cef January in cach Year	Total Strek on the 1 t f Jau sary in c ch Year
	bega	bags	bgs	bacs	b ga	bars.	he
1830	870 750	35,600	605 450	7.9.9	203,250	8.9(3	25.3 143
1431	901764	R0 G09	602,205	42 852	258 100	21 268	32 9
1832	902 40	63,100	858 434	37 381	212 350	90 575	2 6 96
1833	131 796	79 096	877 589	84 102	10 060	13 038	\$15 120
2834	940 585	00835	883 280	35 243	250 60	9127	915 150
1835	1 059 300	10" 210	937,616	20,296	145,311	13 938	19 .0
1830	11.4.44	104 853	1 031 904	244.0	184 00	20 843	23 13
1.537	1 (63 630	198 535	1 061 631	60 520	201 190	23 500	259 060
1638	1 442 062	102.3 0	1 205 110	G4 150	10453	2130	2413
1439	1 102 550	121 649	1 943,511	40 4 50	248 143	91 390	1 4111
1840	1 599 343	126 045	1 174 1 19	81 640	205,049	27 7 90	26319
1841	1,341 (.59	117,330	1 1 18 717	80.640	366,140	2 248	41 1 118
1542	1 384 634	141 457	1 1 221 1 33	08,140	42)×30	40 190	5 2 4
1843	11./1982	121 410	\$ 357 Fug	74 370	4 6 000	80 234	Jac 1 41 4
1844	14 331	134 582	1 427 482	54 1450	054,450	416 2	1 115
1843	1,855 660	120.59	13767	91 775	740, 80	61 027	507_13
1914	1 /43,704	194 246	1 501 232	80,069	8 3 4 60	84 499	1 06 430
1847	1 234 00	221,400	1 104 609	C7 +65	4 \$\$ 370	41 703	الاسل فق

ELPORTED	1811	1842	1813	1844	1615	1840	1847
To	lbs	lbs	lpa	ibs	1bs 247 29	10a 35 900	
Amsterdam	3 (\$.406	637 518	1 707 84	477 568	501 du	630 930	
Altopa	3 3.232	219 250	106 004	77 289	83 456	630 230	
A lborg			1 799	13 440		1 344	
Antwerp	6720			51 328	33,396	1	
Bremen	21,3 12	2,937	230 948			1 025 967	
Bigtom	6,329,224	8 510 746	2 669 147	4 859 920	4,837,341	4 024 634	
Baychaleur					1	336	
leirait	1		63 079			283 360	
lergo			120 512		91 309		
Bergon Tharishanu			120 612		7 280	5 824	
l na		70,93	46 256		293 584	534 700	
hrist nestadt		185 696	5,824	29 360	06 640	65 670	
rons dt	1 589 9.56	1 497 324	8 127 572	8 187 744	2 521 168	5,820 184	
brietiai le	29 072	199 731	16 320	135 632	125 500	343 797	
onstautinople	123 340	52 735		3, 216	1		
openhagen	2 500	104 324	1	3 344	ł	702	
adiz	1			15 568	67 200	1 1 1	
Alcoit	1		5 488			1 1	
oranua	1			9 632	1	35 840	
anton	1				1	291 981	
Jort	2 (82 12	4,869 792	1 348 704	594 168	1 982 288	8,027 510	
) otsc	347 789	618,356	203 650	313 104	1 059 510	D68 526	
Irammen	1					38,610	
) oru		10 267		6,720			
Fontheim	Į.			1 008		57 729	
Lent			3 920			7 020	
ROA	786 576 37 644	3,915 633	7 0 195	2 400 608	263 384	\$ 803 817 501 296	
tucoburgh	57 495	540 013	614 546 163 079	197 008	157,808	124 283	
lavr	9,201,960	12 160 104	9 702,184	11 393 312	7 092,520	14 453 02	
i thirgen	000000000	12 100 104	5 (04,101	11 300 512	1 222/210	258 717	
tong Hotg	1	1	1 471 450	1	76 972	174 048	
Konisberg	95 084	114 263	121 200	20 797	\$1 390	9 019	
Laurig		12,240	\$ 689	1 568			
N F			14 33G	671	1	3 510	
Liborn	1 232	1		1	8 249	1 11 798	
Minus և։		1		1 120	l.	1 1	
i realies.	98,112	1	11,313		1	1 1	
Malta.	10 050	1		1	F9G	1414	
M 101		1	1	1	1	33 824	
Valadore	1	3 348				3 515	
aples	1	1	1	2 359	542 980	567 018	
N v Brunswick D tend	1	1	ł	26.660	1	1 1	
) tena) tessa	91 090	714,839	l	10,000	109 536	1	
ter barg	6,588,848	9,335 295	4 958,920	9 194 129	10 351,488	6,329 140	
Ptica				8 360		(·)	
R ferdam	6,595 792	9,611 379	8,705,856	5 889 064	6,408 784	12 115 495	
R stock	6.048	12 324	1	1 758	0 720	7 018	
Ria	\$50 936	1 353 692	469 842	641 904	419 328	391 829	
tocki olm		19+ 340	\$41 914	51 320	t	89,200	
e tou	251 094	3,441,584	\$30,144	486,976	708,650	620,068	
tolpc	1	1 927	1		1	1 7 1	
enite	1		1	11 312		1 1	
hang Hee	1	F	1	86 960		1 1	
tolpemindo	1	[4 480	1	1 1	
tral upd	3/ 239			9 774	573 216	0 069 130	
i ste	889 608	10 273 303	7,859 109 10,688	2,603 098	2,688	192 348	
ansburg	33,468	326,195	10,058	50 288	¥,688	83 93	
arel	1	192 489	l	37 850	51 744	1 621,335	
enice Imra	8,664	103 409	[01 500	1	1 404	
imea Id Ierwaila	0,004		I	85,640	1	1	
Ajbing	35,840	198 732		1 201010	1	1 [
N amar	1		1	I	1	9 352	
w ll		49 842	1	1 009	19 821	60 035	

STATFMENT showing the Quantity of Cotton Wool Exported to the undermensioned Ports from London, Liverpool, and Hull, in the Years 1842 to 1847

MISCELLANEOUS STATEMENTS RELATIVE TO COTTON WOOL

WITH respect to India, the foregoing statements regarding the imports of cotton wool may be considered sufficiently complete-if the consumption of cotton wool were not daily increasing in America and on the continent of Europe The following summary statements and tables may therefore be instructive -

YBARS	Quantity) 1	EARS	Quentity	TPARS.	Quantity
	lbs	1	j	lbe		2.8
1784	1,60	1800		37 191 285	1527	94 310 115
1785	*1.100	1150	1	58 12 17	18.3	210,590 4 3
1786	هي ا	1-03	(Embargo)	12 064 306	15.9	1 261 44 145
1787	 11 3 YO 	1,460		53 210, 25	18.9	2 5,459 104
1785		1 10		93.8 4 201	1-31	20 9 4
17%0	#195, 08	1813	1	69 1 F ()81	1 32	327 215 128
1750	181.0	1612	(War)	23.5 1 11	134	1207, -0.0)
91	1 9 3 6	1913		19 3.11 111	1884	413.92 10
7.2	12~ 705	1914		12 (4 9	1535	41/13 20
1.35	49 -00	3815		\$2.9° \$ 747	1-30	4193 567 904)
794	1 601 00	1316	1	61 47 116	1+37	594 494 110
195	15.2 6 300	1617	1	55 649 3.8	1935	618.9 5,369
96	45 106, 19	1919	í	24118	1637	18 9-3 -30
1797	3754,129	1510		61 9 045)1840	539,531 4-0
59	9,350 05	1820	1	117 01102	1841	535 5 9 420
790	9 -3 63	1821	(1 4,593 405	11512	551 112 (17
800	1 780 893	1422	ł	144 6 3,023	1943	817 253,446
881	20 911 201	1 13		1 1 23, 0	1844	663 633 415
603	\$ 501 075	1824	(142,309 683	118-15	540 011 24
E03)	41 105 623	1823	1	1 6,439 907	1846	
804	33,115 041	18.26		204,333,415	1817	
805	40 363 401	1.000			1.04	

Tar	Exports of	Cotton	grown	ın	the	United	States	of	North	America
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Prom 1784 to 1796 inclusive the number of bags experted was respectively 6 imated as weighing 120 lbs on h * Some foreign cottons included Thus bags from 1853 to 1844 (aclosure are estimated to weigh 330 lbs cach bor of bags exported was respectively 8, 14 0, 109 889, 542, 81 which are

Y B	ARS	Quantity	YBARS	Quantity	YBARS	Quantity
		lbe		lbe	1	ibe
1803	1	8 4 652	1820	11 718 300	(1534	8,083,935
1805	1	6.096.082	1821	11 344 006	1435	5 .736
1847	1	8.92 .011	1829	11 250 635	1835	8,144 119
1808	(Embargo)	9110 1	1433	12136658	1837	5 40.971
1609		8.661 413	1824	9.,35733	1838	7.286.340
819	1	Su04 078	11525	96.78	1839	5 10" 104
1811	1	80 1576	28 6	6.971 652	1840	8 7 9.669
1812	(Wer)	4,36 +06	1827	15 144 195	1841	*0. 32 130
813	(4 134 5 19	1429	11 255,419	(1843	7 254 93
181 1	1	4 5 49 358	11.12	13 ×33.307	1543	.315.079
1613		8 449 951	1+30	8,147 (65	1844	1.1.1.1.2
810	1	9,000 326	1931	8 311 762	1843	9,385 134
1817	1	8 101 6NO	1432	8. 43 373	11846	
1818	1	£ (35 00	1833	11 142,987	194	
819	1	*11 C15 0 0				

NUMBER of Pounds of Sea Island Cotton exported from the United States

* The bags estimated to weigh 330 lbs. eseb

The recognised distinctions of cotton on the continent of Europe, are as follow -1 The North American, 2 The West Indian, 3 The South American, 4 The East Indian, 5 The Levantine, 6 The African, 7 The Italian, 8 The Spanish

The relative value of the above cottons is as follows --- Sea-Island, Bourbon, Egyptian, Maragnan, Balus, and Pernambuco, Motril, from the kingdom of Grenada, Cayenne, Surinam, Demerara, and Berbice, Superior West Indian, New Orleans, Upland Carolina, Georgia, Tennessee, Inferior West Indian . Levant-European and Asiatic Turkey, Italian, Madras, Surat, Bengal

YEARS	Growth	Consumption	YEARS	Growth	Conmption
	b*	bag		base	bags
182080	97 845	126 518	1835-39	1 360 33	276.0 8
1830-31	1 038 448	182112	539-40	217835	201 179
1831-32	96/ 477	173 509	1640-41	1 634 145	297 248
1932	1 070.435	191 412	1841-42	1 1 683 574	267 8-0
1833-34	1 205 394	1 6,418	1849-43	2, 378 8/ 5	325 129
3834-85	1 13.8	216,868	164344	2 630 409	346 744
1433-36	1 360 25	236 739	1844-45	2 3 44 /63	35,045
1836-37	1 422 930	2-2 540	1413-40	2 100 537	422 597
1637-38	1 501 497	241 (53	1842-47	1 60 479	497.967

GROWTH and Consumption of Cotton in the United States of America

GROWTH of Cotton in the United States of America

PARTICULARS OF GROWTH	1829-30	1830 - 31	1631-32	1582-83	1833 34	1534—35	1835—30	1830—27	1837—38
	bags	bags	bag	b gs	bage	bagy	hage	bage	bags
New Orleans	354 024	420,185	322,015	403 440	454 719	511 140	474 747	593,239	711 581
M semanppi				[(·	6,499	7 75	19 675
Florida	\$~87	13 073	92 651	23 610	36738	3205	79762	89703	100 171
Alabama	102 684	113 166	125 971	129,3,0	349 378	197 699	236 715	232,243	309 807
Texas									
Georges	2.3 117	250 509	2"8 437	2 1 0 2 0	238 655	222 670	970 121	963 971	801210
S uth Car han	184 671	1 5 166	1738 2	191,850	227 353	201 100	931 237	196,377	2.4 333
No this rol as	36,862	36,540	28.4t i	3 61 000	\$ 33 220	81309	8 05	18 004	23719
Virgit in a	85 100	336,5	3 500	3 01 000	2 44725	\$3 170	2 197	25 618	32 000

GROWTH of Cotton in the United States of America-(continued)

PARTICULARS OF GROWTH	1838-39	1839-40	1840-41	1841-42	1842-43	1843-44	1814-45	1845-46	1546-47
New Orleans Missiasij pi Plorida Mabama Toxe	baj,6 604 6 1643 5177 251,42	bag# .140 105 6 76 136 2 7 443 72	big+ 813 x9 1 (85) 93 (2 320 701	bags } 797 058 114 416 318 313	bags 1 060 246 161 048 491 714	hage 832 172 141 562 467 J90	bags 929 126 188,003 517 196	begs 1 037 144 141 184 421 966 27 008	hage 705 079 127 833 323 469 8 317
G gin South L r linn N th C rollinn Vir _b ining Go	205 112 2)0 173 11 136 22 00	20 (03 313 104 9 3.4 2(000	145 J47 2., 400 7 503 21 600	979 271 960 164 9 787 91 013	2 19 491 351 659 9 639 15 639	255 697 304,870 8 618 1 5600	295 540 426 361 12 487 25 200	2 (05 1,4)11 251 405 10 637 16 ,82	242 750 350 200 5 861 15 819

STATEMENT showing the Quantities of Cotton Wool, together with the Value thereof, exported from the United States to all Countries, during the Years 1842 and 1843

		1842		1	1613			
COUNTRIES	Sea 1sland Cotton	Other Sorts	V lue	Sea 1 land C ttor	Other Seris	V atue		
United hipedom viz -	fbe	If a	dollars	II A	16.0	dollars		
fact 14	5 324 449	356,443 616	48 758 011	6 617 157	537 113 348	333/0 10		
S of nd	373 500	16 (35 314	1 30 605	436 550	3 1540 4	2 8 103		
ireland		4/ 931	3/ 41		260129	17 343		
R կ.um	ş	8 27 690	13 (\$		1 1437(f)	0 4 413		
France on th A laptic	1,545 101	143 7 27 82	1 14 8 5	427 919	139 174 845	8 7157		
o the Mediturancan	1	10 545 017	\$ 0149		C 211 881	38(69		
Culs	1	6 399 256	0 1073		64,15052	648 .444		
Italy (> uthers)	1	4 011 /10	301 368	1	7 /31(36	450 145		
bri in	1	311433	361.4	1	311132	164 491		
in a d A strin Ad i the lorts		7 093 386	15170		6015-15	350150		
M AICO	1				1 632,478	1 5 1 3 2		
16.00		1 004,602	(7 695	917	2 5. 17	16.) 341		
All oth r Coustries	1	22 171,340	1 81 948		27 302 064	3 644 158		
TOTAL	7 1/671	4 2 915	47 33 404	7 515 6 1	84 782 02	49 119 506		

3 Q 2

		OTTO	N		[•	сотто	N
WHITHER EXPORTED	Sea Island	Other	Value	WHITHER EXPORTED	Sea I land	Other	Value
··	lbs	ibs	dollars		Ibs	fb4	d llars
Russia		4 202 680			9 355,219	498 211 JR5	39 274.3.3
Prussin,	ſ	148 062	11020	Spain on the Mcditerrant an.		1 11 943	664
Sweden and Norway	1	2,555 787	189 391	Cuba	1	10 999,505	741 542
Domark	1	32 288	2,116	Other Spanish West Indies	l	14 164	1 01
Holizod	1	3,849 559	277 500	Portugal	1	19.539	3 101
Belgium	1	7 40 4 4 2 3		Italy		1 12 093	1 705 61
England	6.591 990	819 971 281	20,106.311	Nurdinia	1	2 38 264	164 /14
Scotland	671 174	12,841 676	1 076 11	Sicily	ŧ.	710 615	48,197
Ireland		6 370 746	465 289	Trieste and other Austrian			1
Gibraltar	ſ	1 054 310	72,118	ports		13.382 018	.08.157
British American Colonies		47 350	4674	Mexico		4,392,328	347 20
France on the Atlantic	2.419.755	121 05 014	9 497.326	China	1	85740	5,655
Prance on the Moditerranean		7,667 180	592 639			·	
				TOTAL	0.395.219	530 626,505	49,250 965
Carried forward	0.383.219	488.21 1.985	39,974,323		1	1.1.1	

Exponts of Cotton Wool from the United States, during the Year 1845-6

THE following Table of the Quantity and Value of Cotton Imported into France, and of Cotton Manufactures Exported from that Country, from 1787 to 1789, and from 1812 to 1843, is taken from the "Ecquète Relative à Diverses Prohibitions, published from Authority, and from the Yearly Statements of the Director General of the Customs

YEARS	Cotton Is	sported	Cotton Manufactured Goods and 1 ara Exported				
	Weight	Value	Weight	Value			
	hilogrammes	france	kilogrammes	france			
1787	4 467 000	43 903 100	and protocol (91 237 200			
1758	5 439 424	86,037 600	1	21 455 490			
1789	5 60 221	33 274 000		81 289 000			
1812	6,313 230	35 (15 (83	702,789	18 .07 938			
1613	9 638 649	54,558 716	837 663	8 532 0.4			
1814	8,181,710	32,737 600	331 995	10,187 944			
1815	16.414.606	32,829 212	314 969	8 493,510			
1819	12 115 042	19,840 223	1.020 132	22 062,698			
1817	13 370 198	35 591 051	641 370	18 419 196			
1416	16.974 159	30 945 259	781 765	16. 19 391			
1819	1,010-101	39,931,948	937 756	19 606.547			
1820	20 203 314	36 825.161	3 369,160	291.0948			
1491	22 540 615	41,360 675	1 709 028	21 534 054			
1822	21 57 1 413	39 (16 053	1 167 075	91 284 178			
1843	20 353 552	37 005 940	1 292.515	24 812,435			
1824	28 (30 985	49 187 674	1 751 975	81 8 9 074			
1825	4 66 ,312	44 061 717	1,847 417	43 190 4.45			
1826	31 914 494	00 358,941	1 629 760	3 646 83			
1847	29 684 385	51 918 911	1,987 678	40 324.211			
1528	27 37 1 113	49 143 991	1 1 977 1/2	45 .9 37			
1829	31 \$31 001	07 139 657	2 231 265	20 10 540			
1630	29 260 433	51 760,583	2 339 065	55 63 7 1 0			
1831	28 23. 457	49 441 810	\$,360,944	55 613 059			
1832	33 638 417	68,442,869	2 333 471	5 128 426			
1833	35 600 819	62,25 58	2 435 742	57 007 133			
1834	38 134 516	65 054 104	¥ 259 ×28	دوانولية تلاس			
1835	397 3810	67 739 115	2 74 96	6218 316			
1836	41 831 604	76 412 763	2 14,315	65,209 40			
1837	43 828 462	76,220 787	2 \$36 674	61 23 149			
1338	51 254 020	69 464 61	3 406 438	80 26,155			
1839	40 534 2 8	71 201 84	3 675 (42	\$ \$ 725 031			
1840	32 41.351	94 005 975	4 59 506	169 033 044			
1641	D5,470 4H3	38 549 949	4 416 314	103 1 / 137			
1842	57,3 6 567	101 620 678	3,161 362	-24 2 137			
1843	50 ,99 847	107 082 894	3 33 826	FX 574,HIT			
1844	62 411 54	110 326 137	5 301 911	109 365 332			
1845	7 .0921	129 25 980	1				
1940	71 04 545	125 075,7 19	6813939	134 941,694			
164	()		1				

YBARS	STOCK JA	NUARY I	т мро	RTS	DELIVERIES		
	United States	All Rinds	United States	An Kinds	United States	All Kinds	
	namber	number	Buthber	pumper	ponotor	number	
845	48,300	53 000	320 927	330 592	319 927	332,292	
844	88,200	100,000	2'6510	279 095	306,413	326,095	
543	101 400	110 000	803,327	\$25,297	3:2,038	330.373	
12	84 000	90 000	311 16	369,197	321116	819 197	
H1	1 75 000 1	80 000	341463	357 383	\$32,463	347 383	
10	48 100	87 000	362,045	375 643	833 44 1	357 643	
39	30 500	23 700	217 729	264,168	209.869	240,868	
38	38 800	33 000	273,864	294 520	372,164	253,820	
37	34 300	45 500	22/ 317	249 959	226,817	2/1 359	
430	12 200	18 500	226 370	269 290	204 270	233 586	

FRENCH Cotton Wool Trade at Havre ---Statement of Imports, Delivernes, and Stocks, from January 1 to December 31, for Ten Years

STATEMENT of the Quantity of Raw Cotton Imported into France and retained for Consumption from the Undermentioned Countries, in the Year 1846

COUNTRIES	Quantity re twined f r Con sumption	Quantity im-	COUNTRIES	Quantity Im-	Quantity re- tained for Con sumption		
	kilogrammes.	kliogrammus	1	kilogrammes	kilogrammes		
Cermany	74 (9)	- 42	New Grenada	15 605	10 303		
N th Tiar da	348,786	348,057	Peru	421.420	361 426		
England	78 644	4 828	Chili	24 054	182 804		
To any	6,231		Техан		13,882		
Turk v	441 079	618 418	Cuadaloups	18 105	34 680		
Egypt	1 050 C11	1 446, 38	Martinique	3 093	8 959		
States (Barbar)	7 24 3	965	French G nann	125 29	145,159		
Britsh Ps the Lodia		9.018	Wrecks and Salvages	18 13	18, 15		
French "	555	521	Other Countries	313	259		
United States	67 909 624	60 759 675					
Havts	FF 093	43 450	/1846	71,561 54	64 297 432		
Cela	10 010	9 394	TOTAL (1841)	72 919,971	60 757 654		
Bra d	65114	SF 167	1844	62 411 952	38 692 094		
V n zu ta	14336	181 70	1	1			

SWITZERLAND — The following quantities of cotton wool have passed in transit through Franco into Switzerland the kilogramine being more than 2 lbs avoirdupois —

YEARS	Ellogrammes		3	Ę	A	RS	Rilogrammes
	pumbur						ta umbar
3	2 439 000	1840					9.919 (00)
í.	4 2 10 000	1841					7 3/7 000
5	4 312 900	1542					9 630 000
6	6 486 000	1643					7 622,000
7	643900	13814					7 440,000
é .	7 124 040	1945					
0 0	4.47 900	1310					

COTION WOOL IMPORTED INTO THE GERMANIC UNION OF CUSTOMS

FILE demand for cotton wool in Germany has greatly increased, not that we consider that a wise policy is adopted by the government, or that the system of manufacturing industry is based on sound principles, but the demand has arisen from the industry of the Germans, which is remarkable for steadiness, if not for activity The imports of cotton wool into Prussia for consumption in 1823 were 39,638 centners, and in 1829, 48,909 centners.

After the Germanic Union of Customs was instituted, the progress of the cotton wool importation, and of the cotton trade with foreign countries, has been as follows -

TRADE OF THE GERMANIC UNION OF CUSTOMS IN COTTON WOOL AND COTTON MANUFACTURES

-												
		IMPORTS				BXP	ORTS		TRANSIT			
		Cotton Yarn E		53		Cour	n Yarn	1 2 2		Cotton Yare		
YEARS	Raw Cotton	White (Understed and Wadding)	Double or Twisted Yaru (Twist Kult Ung Yaru) and all Dyod Yaru	Cotten Goods Woy or Knir Lace a Smallwaren.	Baw Outten	White (Untwisted and Wadding)	Dunble or Twilted Yarn (Twist kuit- ting Iaru) and all Dyed Yarn	Cotton Coods, Weren or Kalt Laco and Stadiweres	Raw Cotton	White (Untwinted and Wadding)	Double or Twisted Yurb (Twist Most thor Yurb) and all 11, d Yurb)	Cotton Code Woren ir Kuft Laco and Sundiwares
	coauts.		Centors	centara	centurs	cours	centurs	centure	centurs.	centars	centurs.	centura.
1832	11 911	172 101	5764	14 150	69 466	37 169	23 539	25 984	5. 856	169,067	4455	124 404
1838	1-212	144 702	\$ 578 6,598	12 953 13 540	55,924	18,283	21 419	23 824	28,346	5 150	2918	131 (50) 73 419
1835	121 013	251 145	6 473	13 540	31 051	40 555	11 454	81 245	30,5%	70 446	3842	83 169
1836	147 850	207.507	9 198	13 507	35 104	27 12	11.835	84 278	2 109	57.349	2033	43 340
1837	948,315	311 040	6 508	13 190	35,939	28,159	36.42	75 193	17 352	3 224	\$192	42 187
1838	223 337	364 013	4,60	16 482	49 410	2 312	20 045	85 001	30 435	72 128	3573	44 428
1839	193 185	368 151	6,139	16,018	4 519	34 898	26,153	207 06	38,385	71 56	39 1	46115
1819	39H 951	431 236	627	17 181	79 237	27 702	22 371	97 769	41 499	18 223	4295	50 94
1841	273,182	434 383	6 339	16,2/9	\$0 218 73 03	30 163 35 949	29 173 22 220	87 003 : 72 5°0	36 >39 47 766	67 969 84 828	5602 4838	40 504
384. 1543	31 034 391 138	477 564	5 493 5 638	12 0 7	84 107	19 466	25,46	74,754	44 504	01.62	3689	49 193
1844	359 727	370 154	26 151	P 674	92.424	17 (27)	10 10	81 276	36,622	65 2.4	5853	52 008
1815	446 470	461 996	52410	9 679	107 01	10,857	97719	76,517	69,518	0,530	6688	60 400
1846	332 1.00	382 944	51,945	10 320	83 830							
1847					· · ·			1	1			_

IMPORTS, Exports, and Transits of Cotton, and Cotton Yarn, and Woven Manufactures

There were in 1843 within Prussia forty-eight spinning-mills, with machinery moving 131,026 spindles, divided among the following cities, viz -

Brealau, two, with 28,000 spindles, in Liegnitz, two, with 6500 spindles, in Minster, four, with 2420 spindles, in Arnesberg, one, with 7200 spindles, in Cologne, five, with 14,373 spindles, in Dusseldorf, twenty-three, with 55,939 spindles, in Coblentz, three, with 13,588 spindles. There were employed in these factories, under fourteen years, 579 boys and 524 grids, above fourteen years, 1438 males, 1586 femiles. There were altogether 815,000 spindles within the Germanic Customs in 1843, of which more than 500,000 in Saxony, the remainder, exclusive of Prussia, chiefly in Wirtemberg and Bades. The whole spin about 210,000 centures of twist during the year, or about one-third of all the cotion yarn woren in the Zoil-Verein

AUSTRIA .--- IMPORTS OF COTTON WOOL.

PART of the cotton wool passed in transit, or exported from the Zoll Verein

Fowers, into Bohemia, and some into Switzerland The following accounts of the imports into Trieste, and into the Austrian empire, will exhibit the demand in that country It must, however, be remarked, that the imports of cotton wool into France, and into the Zoll-Verein, and into the port of Trieste, include nearly all the cotion wool consumed on the continent of Europe, with the exception of Russia, and the quantities retained for consumption in Holland, Belgium and the comparatively small imports into the Italian States, and into Spain, Portugal, and the states of Hanover, Oldenburg, Denmark, Sweden, and Norway

The value of cotton wool imported into the Austrian empire amounted, in 1840, to 9,686,206 florins (968,620/ sterling), in 1841, to 1,399,873 florins (793,9877 sterling), in 1842, to 10,284,064 florins (1,028,4067 sterling), in 1843, to 12,103,540 florins (1,210,3544 sterling), in 1844, to 11,068,000 florins (1,100,8007 sterling), and in 1845, to 13,669,856 florins (1,366,9867 sterling)

The total quantity, in centriers of $123\frac{1}{3}$ lbs each, imported into the empire of Austria during 1828, was no more than 65,000 centriers, and the following years the quantities are given in the Austrian official tables as follows, viz —

YLARS	Centuers.	YEARS	Ceniners.	YEARS	Centuers.	YBARS	Centuers
1831 1532 1533 1831 183	5 under 101 249 (1 446 141 47 141 /0-5 150 406	1636 (197 1838 1830 1840	201 887 233 / 76 923 545	1941 1842 1843 1844 184	821 377 370 776 345,875	1846 1847 1848 1849 1840	namper

The imports are partly through Germany, but chiefly inrough Trieste

YEARS	Bales f om th United States	Bales from Brazd	Bales from India.	Bales from Egypt.	Bales from Multa and Sculy	Bales from U o Lovant.	TOTAL Bales
	եսորի է	anmber	number	number	number	number	nu br
1815	32.)	431	6)	1 333	390	12 030	14 /3
1810	434	1056	40	3 341	1667	26.614	39 3
181	1 73	1057	46	750	1690	13 947	1931
1919	217	518	912	2,831	16-4	059	12744
1*19	37	1268	2 83	3 189	81.8	12 0 27	23 3 14
3824	431	439	111	3,148	46./3	12 564	8-100
10.1	6.9	1184	30	4 420	2 36	15 3.57	23 58
24	833	1306	734	6 543	1126	20,404	31 701
1623	10	3934	149	13 50	155	1/ 025	3 710
1954	144	207		17 (18	124,	7 698	2.04
3	10			9 312	3042	1 101	30 463
1 ()	371	48	2063	15.00	161	8 015	33 51
15.7	3,512	10	512	16.316	532	7 70	2 172
19	4(8	437	548	26,935	807	438	10 000
17.9	1, 10	12	\$217	203	240		40.439
18:00	7111	1 10	760	2110	63	4.131	4 122
1831	7741	ର ଏହ	2 3	4 2.1	47	117	06128
P	6 64	33 7	143	4 290	1105	2 34	89 .1
1841	1 140	(603)		43.100	35-0	3.443	64
j 544	13 176	2437		1 5	~50	19 5	51 .37
185	1 2	1	1056	3 113	8013	25 231	1 1
183	23310	2314	1067	4 77	2414	4 46	121 98
1857	0 1	876	97	44 11 1	- ii 1	43 10 1	61.37
13	171.4	2.76	13	54 701	69	2 70	108 057
1×39	18110 1	0175	224	1254	1785	39 71	83 20
1540	52 073 t						81.3(0
ામ ો	17			1			5 702
1.12	40.113	1					122.480
1833	3 50	1			1	1	140 60
1841	3 00	f			1		8 00
2846	4 400	i			1	1	Jul 195
		_	·				

IMPORTS of Cotton into Trieste, from 1815 to 1845, inclusive.

HOLLAND — In 1843 the quantity imported into Holland was 6,860,000 kilogrammes, or nearly 14,000,000 lbs, value 9,339,000 francs, equal to about 3,270,0001 sterling The imports were nearly about 283 francs from the United States, 265 frances from England, 211 francs from France, 075 frances from Turkey, 055 frances from Belgium, and 044 frances from all other places

The re-exportation in 1843 amounted to 4,785,000 hilogrammes, value 6,524,000 francs, of which to Germany nearly five sixths Nearly one twelfth went to Belgium and Hollaud

BELGIUM.—Of the imports of coiton wool into Belgium, part is retained for the manufactures of the country, and part sent onwards in transit to Germany —See Trade of Belgium

About 500 bales of cotton wool are imported into Copenhagen, and small quantities are imported in transit through Hamburg and Altona

SWEDEN.---In 1830 the quantity of cotton wool imported was 543,124 lbs. In 1838 about 700,000 lbs, in 1840, 1,215,301 lbs.

In 1840 into Stockholm 954,764 lbs of cotton wool, transit, 4142 lbs

Lunen Cloth and Tissues of Cotton and Flax — The quantity produced in 1839 in the manufactories, of which there were forty-four, amounted to 1,218,246 ells of tissue, properly so-called, consisting principally of cotton cloths and calcoces, and 78,107 handkerchiefs, of a total value of 465,580 rd, being an increase over 1838, in quantity, of 112,363 ells, and 15,823 handkerchiefs, and malue of 38,999 rd

Cotton Yara — The manufactories, the number of which was nine, produced, in 1839, 1,138,797 lbs of cotton yarn, being 168,787 lbs more than in 1838 The greatest quantity was produced by the firm of Bohnstedt and Bergman, at Stockholm, being 361,000 lbs

CULTIVATION, SUPPLY, AND MANUFACTURES OF COITON

491

YEARS	Cotten Goads manufactured in regul r Pactories	Cotton Goods manofactured by the i casat try of the Go riment of Elisborg	Toral of Cotton Go ds produced	OBSERVATIONS
	plpary	ciente	algars	
1831	5 7 0.19	1 2 740	1 851 878	1st The Swedish alpar is equal to about two thirds of
1832	631406	204125	\$ 6 161	an English yard
1613	45 2	2 656 307	3 602 057	2d Bes des ti e goods measured by the yard a consider
1614	945 193	24/1419	3 409 511	able quantity of cotton goods rated by the piece is appually
16	912 4	7 13 505	3 513 379	made such as shawls han therebiefs wassionats &c
199	953 473	3 100 7 66	4 0 3 939	3d By the fariff of 1830 which took the t on the fat
163	821064	4 015, 03	4 6 30 5 86	of January 1831, several articles of cotton previously
1635	1 105 583	3 831 258	4 937 141	prohibited were allowed to be imported
1839	1 18 249	4 054 146	3.30 775	4th The tariff of 1635 which came into effect on the lat
1640	1 296,923	4 653 3 1	5 ,80 63	of January 1836 gave additional facilities for importation

OFFICIAL Account of Cotton Goods made in the forty four Factories of Sweden during the Ten Years, ending with 1840

OFFICIAL Return showing the Progressive yearly Increase of the Manufacture of Cotton I'vist in Sweden, as compared with the Quantities annually Imported, from 1821 till 1845, inclusive

A R S	Point & ght	int W ght, Cotion Twist imported into		ARS	Quantity in Pout ds Weight of the Cotton Twist made in	Quantities in P uods Weight of Cotton Twist i ported into Sweden		
, E	Sweden	I am No 1 to No 2 inclusive	Above No 25	ΥE	Sweden	From No. 1 to No 25 inclusive	Above No 23	
	11.		Ibs		l lbs	lb	litus	
1821	64 457		171 667	1633	309 250	100 501	762 157	
162	64 438	1	150 017	1834	328 074	102,766	638 139	
1521	40 126	1 '	194 148	1835	432 404	34 210	768,381	
1844	7 6 50	Importation	290 [3]	1830	675 303	160 620	831 504	
182.4	733	prohibited until	244,813	1837	675 622	124 480	923 561	
1846	87 289	and including	297 705	1538	970 010	77 577	767 529	
18.7	05 137	the year 1630	397 718	1839	1 128 7,16	150 5 0	1.004 056	
16.24	6 4 37		415 750	1840	1 407 268	209 489	969 976	
16 1	81 75		649179	3841	1 126 422	426 110	1 363 110	
1930	127 18	ļ	686 316	1844	1 092 772	1 043 534	3 200 003	
		104		1843	1 733 268	501 140	1 100 (29	
1631	15 192	\$64,392	511 432	1814	2 / 90,803	808 674	1 (08 099	
183	1,430	205 854	826,550	1815	2 529,581	250 752	1 182 112	

REMANDS -1 Nes 19 the whole of the cotton twist made in Sweden is below No 25 2 The importation const to entirely of English twist 3. Two cotton mills were destroyed by fire in the years 1841-42 They were soon rebuilt

NonwAy —In 1835 there was imported 63,510 lbs of cotton wool, and 112,100 lbs passed in transit In 1841, 219,670 lbs cotton wool, and 661,622 lbs massed in transit

RUSSIA — Tabular statements of cotton wool trade and cotton manufactures, from Russian official report

"Of all the branches of manufacturing industry, that of cotton is one which has reclined, in the course of the last twenty years, the greatest development in Russia, and the progress of which has produced remarkable results. The state of prosperity which these very establishments have reached in so few years, due, in a great degree, to the we emasures adopted by the government for the protection of this branch of nutional industry, proves at the same time, how well those measures had been calculated The increasing activity of which we have spoken, is in itself so remarkible for the regularity of its projective advancement, that (interesting as it must necessarily be on this and inny other accounts) we consider it our duty to enter into some furthei details on the tubject

3 R

ORIENTAL COMMERCE.

The following comparative	table shows	the importation of	raw cotton into I	dussia from
.	18	24 to 1841		

YEARS	Cotton from America Lod Cotton from Persia the America India Cotton from Persia the Signyra Ac of Lokis ra & to by the Pronuers of Asia.		Kinnets of Kh va and of Bokh ra &c by the		Cotton from Americ India Sisyrna &c by the Frontiers of Europe	Cotton from P rota the hoat of Ahira and of B kh ra for by the Fro ture of Asia.		
	aficed	poods	poods		nords	P o la	, theorem	
1824	36,340	12 032	45 37 2	1873	136 932	3 (20	13 912	
1825	29 130	23 237	02,367	1834	144,135	3 75	15 119	
1820	48,873	56 156	365.063	1845	20 987	14 138	272, 175	
1827	50 18	1 026	67 974	11836	20×420	50, 10	259,130	
1824	1 (SOA (23 206	92,215	11897	240 151	22 AL	262 1	
1829	\$03.670	30 679	134 354	1839	31 85	11120	326,706	
1830	85 613	-0701	116 314	1829	3 3 233	25 600	354 832	
1631	80,134	18 415	1#4 540	1540	859 17	38,462	396,189	
1632	1 320 127	6,497	12 (94	(1811	281406	32,835	314,301	

RAW Cotton imported into Russia

COUNTRIES	1837	1838	1639	1840	1841
	po da.	poods.	poods	poods.	poods.
Great Britain	110,011	275,440	195 041	197 178	19" 893
Protect	.] 4169	9 337	28,604	27 15	23,365
Anne ica	44501	48 934	61 137	5 589	25,409
lutkey	89 ab3	65 53	4467	67 243	13.071
Persia.	767	3 234	3, 32	3 407	3,891
(biva	4 425				11 21
lokharn	1174	9 154	19 08	29 393	12,939
aschkent	5-30	101	2,892	0 039	4 269
From other constries of Asia	قر 2,3	13,876	9,603	10 037	19,144
Total	262,753	a16,707	354 832	298,159	314 302
By way of St Petersburg	179 926	231 681	26" ¥00	255,113	244 033

"Russia alone consumes about one-fifth of the whole of the raw cotton annually exported by England, the principal entrepht of this trade

.

COTTON Thread Imported into Russia by the Frontiers of Europe and Asia

	EDR	0 P B	ASIA.			
Y B A R S	White Thread	Dyed Thread	White Thread	Toral of White Thread		
	poods	poods	Prode	poudz,		
824	200 474	2 890	1 1-39	307./13		
823	\$40,753	17 *19	27 133	\$17 843		
1996	347.365	21.055	21/051	,448 4 J		
837	398 187	26 07	21,828	344 165		
898	359 775	23	37 102) 397 17 ⁻		
629	464 055	28 004	31114	494,069		
830	394,022	19 813	31 14	429736		
831	340 152	24 /45	4 13	NS1 ~20		
N32	501 748	26 198	(1.4	A16 067		
8.13	400 607	20 "96	27 046	517 613		
834	4 9 8,85	18 261	25 400	625 PE		
835	521416	841	3. 203	55.79		
830	1 1609	524	4910	6007.9		
837	600 205	4 257	57 331	657 587		
838	5"171	5,313	34.90a	606,667		
837	513714	4 136	22,163	635 17		
840	1 40.913	3 121	53 2 %	510 (6.)		
641	50 11	2 490	1 530-5*	\$60,799		

* The importation of dyed thread diminishes, the number of dyers in Russia having successively augmented

IMPORTED PROM	1937	1638	1939	184D	1841
	prind	pood	poods	poods	roode
England white thread	1913	314 189	613 610	458 859	504 216
dy 1	847 1	1,780 [1 403	1 437	1 800
Jermany white thread	35	5 843	~70	214	143
dved	2.511	3,269	3,714	1077	1 135
urkey white thread	4 156	1 591	1 132	3 977	1 488
dired	619	513	217 1	210	97
Perms white thread	8,176	7 934	6,921	14 174	16 600
Chisa ditte					C 107
Bokbara ditto	84 9,17	20 337	15 151	28 689	2355
Tasci kent ditto	13 145	6 459		9 997	4 67 9
everal other countries ditto	455	246	633	1 325	181
dyed	250	31	192	300	32
Total white	65/ 537	605 (17	526 417	\$19 169	500 799
dyid	4 87	5,593	4 45%	3.121	2,400
By way of St. 1 etersburg w thrd	52 572	198 064	438,103	\$81 507	\$97,369
Ditto dato, dred	3 285	4 248	3 429	9,420	1 383

COTTON Wool Imported into Russia from the following Countries -

"By this we see that English spun cotton formed by itself nearly nine tenths of the whole of the imports

1839 IMPORTED FROM 1837 1838 1640 1841 roubles roubles roubles roubles roubles 1 5 36 302 1 5 36 302 1 5 8 8 8 3 1 1 00 6 209 er money per money 3,178 515 per money 2 547 453 2 87 33 Great Britam 2 180 103 Germany \$30 810 9 0f 2 060 1 612 098 2 281 191 laks 1 11.1.2 0 6,502 661 l rea Bokh ra 141 380 5 890 179 545,880 5 JH 9 J23 1 248 658 1 123.379 10*4919 2 401 239 913 1 143 345 019,350 laschker 383 424 1 004 306 319 383 Sure ral other countries 294 434 294 062 1 187 720 967 019 13 977 561 12 8/0 949 13 797 018 16 73/ 056 15 27 54

TOTAL

VALUE of Imports of Woven Cotton into Russia.

" Stuffs of superior quality, sent to us by England and Germany, diminish as is seen whereas those of ordinary quality, and of small value, which come from Asia, successively augment The latter are destined for the use of the Asiatic race of people, which is so numerous in the provinces of the west and south

' However satisfactory this increase of imports may seem, we cannot help remarking that our folgo relations as regards our cotton manufactures will for a long time to come yet continue to be of much less importance than the immense market of the interior, which cannot fail to increase more and more on account of the uninterrupted increase of population and national wealth in Russia Foreign exportation is not yet an imperious necessity, for our factories, as is probably the case in other countries, where a spirit of enterprise has led people into a state of exaggerated manufacturing activity Without having to fear the effect of accidents and events (which so often bring with them stagnation and catastrophes in the speculatin, trade), our manufacturing industry may still freely develop all its energy with the view of attaining that degree of activity which will make it increasing for Russia to require from foreign nations any thing else beyond the ray materials The progress she has already made authorises us to believe that Russia will reach this great desideratum '

OBSERVATION -It will appear evident from all the foregoing statements, that it now becomes a question of primary necessity in order to maintain our cotton factories, and especially to employ the great increase of our population, which depend on that branch of occupation for subsistence, to ascertain that the

ORIENTAL COMMERCE

raw material cannot be obtained in sufficient abundance and cheapness, without, in a great measure, resorting to the soil of India, and we may also endeavour to direct attention to its growth in some other countries in Asia and the Indian Archipelago It may, however, first be instructive, with that view, to trace briefly the progress of the cotton manufactures of the United Kingdom

COITON MANUFACTURFS OF THE UNITED KINGDOM AND EXPORTS OF COTTON FABRICS TO FOREIGN COUNTRILS

WHEN James Hargreaves, an ingenious but uneducated mechanic, invented the spinning jenny in 1767, the value of all cotton manufactures spinn, workin, and dyed in England, was, by calculation made by Postlethwaite during the preceding year, no more than 600,000/, and even in this amount the value of the hnen thread, used very extensively, as warp was included

From the introduction of the jenny, which was followed by Arkwright's improvement in 1769, of Wyatt's original invention in 1738, of the spinning frame, and since the construction of the jenny and frame by Crompton, of Bolton, in 1776, the application of steam to working the machinery, and the general use of the mule jenny, and especially after the setting aside of Arkwright's patent in 1785, that we may date the rapid progress of our cotton manufactures

OFFICIAL V	alue of	Cotton	Goods	Exported Years	from	Great	Britain	during the	following
		_							

YBARS	Official Value of Suports	YEARS	Official Value of Exports
1697 1710 1720 1739 1741 1751 1751	5 111 23 23 5,609 10 200 13 524 20 00 45 360 20 00 45 360 20 00 45 360 20 00 45 360 20 00 45 360 20 00 45 360 20 00 20 2	1738 1789 1790 1791 1791 1792 1793 1 94	1 259 240 1 231,537 3 662,869 1 875 046 2,094 388 1 7 43,667 2 376 077 2 43 1 331
765 1765 1765 1768 1780 1785 1787	200 334 H 940 348 H 920 50 J 355 000 864 710 975 046 101 457	1 93 1 96 1797 1 98 1789 1800	2 431 331 2 214 1120 2 580 (.68 3,002 189 804 009 5,851 509

	MANUFACTURED GOODS		TWIST A	NDYARN	TOTAL BXPORTS		
YEARS	Official Value,	Decisred Value	Official Value	Declared Value	Official Value	Declared Value	
1801 1xm2 1801 1804 1905 1806 1807 1809 1809 1819 1819 1811 1811	8 6,600 378 7 153 900 6 142 037 7 34 514 8 619 9 0 9 33,824 9 33,824 9 33,824 9 33,824 9 33,824 1 3 4,561 1 3 9,511 1 3 9,551 1 45,723 25	Records desirayed &	£ 414 441 428 05 633,401 902 208 914 475 730 223 601 719 472 073 1 070,359 1 033,475 483 599 794 463	Recards dectroyed &	5 7 030,809 7 024 03 7 081 411 8 46,772 9,534 445 10 483 443 10 307 705 19 445 966 19 445 966 19 445 966 18 551 904 16,517 050	Records destroyed &	
1413 1 14 1615 1617 1617 1818 1919 1820	16,535 528 91 460 72 14 163 965 27 133 965 21 25 3 4 16 695,533 90 50 1 926	destroyed 17 241 884 18 946,835 12 J48 944 13 947 820 16 3*2 12 12 180 120 13 697 115	1 119 950 801 853 1,350 446 1 14* 218 1 29 776 1 385,738 2 024,153	2,791 248 1 674 021 2 029 448 9 014 191 2 3% 315 9 %19 783 2 826 643	17 635 378 22,289 645 17 54 461 21 250 244 22 59 130 18 282 232 92 531 079	29 033,139 20 620 955 15 577 339 16 012 401 18 76 517 14 609 912 1t 516 58	

OFFICIAL and Declared or real Value of the Cotton Manufactures and Yarn exported from Great Britain from 1801 to 1820 inclusive

STATFMENT of the Quantity and Declared Value of Bittsh Cotton Manufactured Goods Exported from the United Kingdom, distinguishing the Description of Goods in each Yoar from 1320 to the present Fine

SR	WHITE O	R PLAIN	PRINTED COIT	OR DYED	HOSIERY AND SMALL WARES	TWIST AN	D YARN	TOTAL
YEARS) ards	Declared Value	's ards	D clared Value	Declared Value	Pound.	Der lared Value	VALUE
	n imbe	£	number	£	£	number	3	£
1820	11+64 1+6	5 431 024	134 668 144	7 7 12 505	4.06 \$ 50	\$3 032 325	2,826 039	16 616 748
IS J	12 321 4 2	5713 23	140 415 002	7 454 213	61, 993	21 26,369	235823	16,093 87
18	1 1 102 131	6 /17 **3		7 160 631	792 535	\$6 .43 468	2 617 552	17 218 794
1823	1 181 3	841.03	140 631 387	7 19 70 1	720 014	27 378,086	2 625 946	18 326 00\$
18 1	1 0 091 344	6 437 817	174 5.0 749	> 010 432	869 336	33 60 510	3 135 396	18 452 997
1523	158 033 NG	C 0.27 842	1784 118	8 205 117	010 797	32 041 604	3 206 799	19 359 520
28,11	133 159 83	1 477 912		5 388 592	731 497	42 189 661	3 491 338	14 093 369
18.27	181940160	571 16	161 144 018	7 184 459	1 144 558	44 878 74	864558	17 63 165
1838	18) 175 95	5 3802	1 3 8 2 475	8 859 447	11+57+3	50 505,711	3 5,0 405	7 244 41
1621	22 301 344	5 553 626	140 012 163	6 6(2 (23	1 041 985	01 441 251	8 076 874	17 5 15 66
31-30	11703 12	6 62 97	191730 460	7 5 7 575	1 1, 153	64+45342	4 131 741	19 429 514
\$5.31	2 9 101 11	5 CF 428	182 194 032	6 694 035	1 118 (72	63 621 440	3 975 019	17 337 (4
1632	257 113 096	5 1 1 9 2 8		3+45 706	1 5 003	78 667 154	4 722 59	37 398,1
1.13	254 1 864	5 8 17 5 10			1 331 317	70 1 6,161	1 704 021	18 484 41 2
1834	283 150 158	1, 514 173		7 413 179		76 478 468	3 213 615	20 13 556
1635	277 701 545	6 1130	279 811 176	8 2 0 925	1 240 244	83 911 1.5	\$ 00.189	22,128 101
161	1 1 4 67 179	7 385 349		9137 613	1 3/9 /5	65 191 046		24 632 054
1537	299 161 /58	0.035 83		6 112 200	9141)3	3034 198	0.950 /41	20 5.45 123
1938	1 113 545	23 831		8 2 0 903	1 101 124	111 2 603	7 431 873	24 14 26
1839	3.9108650	7 9 710		8 1 046	1 31 4 7 37	103 / 444	6 854 1 13	24 550 J75
20411	433 114 373	7 803 79		84 14 418	1 265 030	115 17 1 221	7 101 308	24 665 614
1841	421 894 3>	7 113 0 5		7 / 2 35		1 3 226 519	7 266 968	23 1 9 179
194	43 511311	(100 115		6 16 3	1 020 61 1	13 465 432	7 771 164	21 (7.) 348
1.44	62 75 20	N 024 287				142 321 176	7 193 971	23 447 971
1.14	6 3 2 10 4 23	9 146 67	493 121 400	8 46 281	1 01 08	13 40 07 1	6,988,581	20 805 348
1615	C 41 180	0 001 014	413 0 28	8,368 94	1 126,288	13 144 81 5	6 963 230	20 111 304
141	3 3 (3)	1	30 26 19	1	1	156 10 652	7 182 048	25 6 8 6 8 7
4 17 Logiji	33 362 347	1	342, 757 004	1		118,071 382	6,957 197	83 339 560
1511	1	1	l.	1	1	1		
16.0	1	1	l	1	i	1		
10.6	_1		1		1	L	L 1	

Nove .- Exc usive of sewing thread which in 1846 was 3 541 001 ibs and in 1847 3,240 358 lbs

Corios Ewist and Yat	t Export	ed from t	he United	i Kingdo	m to the	following	Country	es		
	18	31	1892		18	33	1	834	1	835
COUNTRIES	Quantines	Declared Val e	Quantities	Declared Value	Quantities	Declared Value	Quantities	Declared Value,	Quantities	Declared Value
Rutsla	Fb 18,950 166	(10 17)	lbs 19,5%7 (8)	£	100 19 \$11 877	£	lbs. 16,241,363	1,037 533	lb.	1 365 0.27
Swidin	71 3,510	34 95	743,747	1 186,797 38,355	867 5.15	31,11	409 .00	30 013	91 082,519 840 7°1	60, 51
Norway	34 440	1	13 035	610	\$3,502	2,693	62 433	8,575	104 351	6 234
Denma k	118,316	6718	71 680	2 320	16,514	1 092	23 6-50	1 317	112 990	6,349
f rusei	13 448	1 556	26, 41	2,001	21 007	1 692	24 342	2 017	10 763	1 427
(ermany	20 435 442	1 195 718	29.558 427	3 790 987	\$8,653 904	1,598 467	36 492 690	170348	27 506 013	1746,693
H lland	3 0 691 938	791 36	10.347 649	890 433	5 11 242 0	971 719	1304159	1,122 337	13,860 141	119401
Belgium					108,568	11 829	65,514	8.000	42,369	7 067
France 1 ortugal Proper	\$ 616	1 197	8,437	1 314	991.3	10 212	101 105	27 5 17	82,533	30 493
Azores	281 0°G	15 534	3 430	2 899	50 063		941 937	1,955	161 (38	13 338
Madeira	3 240	147	98 600 63	1 226	13 565	626	30 612	110	14 J55 90	726
Spain and the Balcaric Islands	36,170	8 147	10 130	πi	2,500	447	2 616	350	1,820	248
Caparles	2 300	131	1 300	55	615	53	830	60	300	20
Cibraltar	29 190	3,178	95 972	7 040	10 920		12,909	201	26 145	9,466
Italy and the Italian Islands	8 444 518	438 ×34	7 641 348	381 918	6,950 453	376 835	9 888 908	543 808	7 024,348	437 67
Malta.	312740	13 103	205 450	10 382	136,330	6.40	531,940	28 867	406,360	18 495
foman Islanda	6 450	2 643	65 665	8 045	54 140	2,905	120 644	8 868	131 080	8,385
Morea and Greek Islands Turkey	11 600	640	1 1 1 1 1 1 1	50			1 851	140		
Syria and Palestine	1 735 760	93 015	1,361,913	69 140	1 767 781	\$0 0.52	1 089,551	109 735	I,575 400	80,494
Erypt.	93,600	6,000	199 280	15,919	177 850	11,028	531 714			20,603
Tripph Tung Algerry and Maragon	1 200,000	6,000	120 300	10,019	11/ 830	11,000	301714	29 900	464 120	(197,603
Western Coast of Africa	280	24	1 076	160	690	107	570	120	1 149	810
Cape of Good H pe	193	19	1 355	126	1 164	80	2.370	174	12 612	78
St Hulens and Ascension Island			169	19			36	1 12	10 010	
Mauritius	()		2,500	126	1 1		340	84	35	1
East Indua Company a Territories and C ylon China	6 624,823	407,851	4,316 645	303.370	4 783,794	324 353	\$ 4 267 653	315 593	5 899 769	433,82
Sism	()		4,010 010	00,010			2 952 440	b 6 830	2,833,363	270 39
Sumatra Ja a and other Islands in the lind an Seas	812 000	22,653	102 100	o 920	247 450		12 600	1 16.		
Philipping Islands	16 800	1,96	104 300	0 0 20	7 690	15,445	315 970 20 300	17 443	213,955	1510
British settlements in Australia	7 233	1/35	9411	509	11 960	593	11 433	1 115	4 620	33
North American Colonies	807 997	10 376	269 109	8,633	\$10,805	9 915	194 . 12	0 458	204 100	11 33
West Indice	14 410	835	4 173	485	8 640	890	5 184	455	22754	2 10
Hayu	320	30	2 2	20	1 009	119	4 300	605		
Gubs and other Foreign West Indics.	200	10	\$80	50	540	34	10	1	250	5
United States of America Mexico	317 39	19 063	82 104	\$ 140	112 575		107 443	8 693	126 888	\$,52
Costemals	784 215	37 972	467 823	29 537	968,720	63,114	463 546	27 364	501.96	8210
Columbia	25 850	1.580	100		11 000	765	23 155	1 773	12,620	1 61
Brazil	25 8847	334	13 460	1 676	11 434	10"3	35 600 57 730	8 453		
States of the Rio de la Plata	240	30	*1 460	10/0	300	26	8 156	3 7 3 5	10,198	99 2.* -
C) ill	4 600	130	1 709	001	4,320		5,639	800	34 200 1 360	2.6
Peru	1 1		6-10	80	1 000		0,000	1	5 400	38
fales of Guerancy Jersey Alderney and Man (f reign goods)	4 405	755	P 850	ામાં	6 471		6 193	984	6743	365
TUTAL	03,841 440	39.5.011	7 667 150	4722 759	70 026,161	4764 021	70 178 169	(1) 015	83 214 198	5 70ts, xt.

ORIUNIAL COMMERCE

COTTON Twist and Yara Ly	ported from	a the Un	ited King	dom to t	ie followi	ng (oun	tries—(co	ntrnued)		
	,	35	16	37		338	18	39	18	40
COUNTRIES	Quantities	Declared Value	Quantitles	Declared Value	Quantities	Declared Value	Quantities	Declared Value	Quantitles	Declared Valu
	10s 193 N 483	£ 1 257 412	168 24 109 5 3	1 612 B	10 a 19 7 4 ±01	1 230 94	15 ×1 + 505	£ 1215021	16 10 584 415	1 082 914
Rue In S vi n	×37 7.94	64.05	11 336	55160	8[8,573	54 (30	1 1 1 49 9 4	73 000	351 3 30	C3 35F
No way	131 332	9 218	19, 00	1044	\$26.154	10 195	315 303	11 145	314 615	1 699
D rurik	64,740	3.50	5~ 470	2,5 0	115 10	A 603	45 130	1941	101 48	4 424
i ro si	15 7 50	1 483	4 324	3 177 828	1 840	2 704 330	7 /34 38,705 121	684 2,369 862	41 765 588	2,401 190
Cornativ	13,323 478	11122	15,03072	1,340 188	217 ()13	1 864 529	\$1 191,315	17/01:00	217 4 (73	1 (421 1
H lland Belg um	31 674	1 357	67 397	8752	76,708	1 11 40	45 916	7 761	21 65	- 4 str
t an e	105 -14	47 193	12-07	81 364	113/27	48 971	20 191	37 444	75 2	43 112.0
P et gal Proper	805 940	22 650	323 142	23 619	395 413	26778	488 405	31659	469-2J 13-174	24 / 19 042
Arore	23,280	1118	1, 840	755	17 620	810	20,340	8,17	02	612
Madeara	744 60	42	687	4,	1 200	115	20		4 584	345
Spain and the Balcario Islands	1072	51	100	63	1 770	70	5 200	240	3 1993	87
(st raiter	100 58	6.7 2	225 3J	14 7 20	108,12	7 (73	6 190	3 183	55 060	3,363
loty and the Italian Islands	8,5~31.05	524 371	8 775 (28	477 883	12,829 923	626 103	8 935 742	361 629	11 49r 014 86 30	510 040
Maita	165 65	0 /27	176 260 297 980	9 729 14 303	487 378 329 41 5	◆[048 1910F	209 291	8472	201 620	9311
Joniai Islands	119 997	6,048	1800	100	1 220	216	27 7 20	1.00	101 010	1
M res and Greek islands Tyrkey	1 881 55	112 85	3 527 538	180 223	4 689 5.0	241 0/19	2 199 618	10-112	32 05	1 2,774
Syria and Palestine	32,000	2,110	1		131 405	44 215	7/7 135	42 47	753 318	40.623
Levpt	300 140	20 436	660, 60	41 372	190,04	14 904	60 016	\$ 070	24 000	1 640 60
fripoli Tunis, Algiers, and Morocco			2,982	395	2 893	320	61 392	2105	5113	6,5
Western Coast of Africa	3 066	503	9314	899	14 6.0	584	13 657	2,0	19 956	1079
Cape of Good Hope Nt Helens and Ascension Island	32,5/2	1 3	1		30	4	1		1	
Manti fut	1	ľ	10 400	468		-	1			
East India Company's Territories and Ceylon	67 12 310	561 878	8,478.0 1	602,293	10 710,130	640 90.	10 113 918	690,916	16,019 "08	847 530
China	3 155,670	919,933	1 573 965	103,909	3,851 365	217 047	1,389 :00	10 813	1 1774 360	8 718
Siam	1 10000	12,360	127 620	7 8 5 8	521 680	27 952	139,1.0	9 206	94.7.40	4 9%9
Sumatra Java and other Islands in the Ind au Sess Philipping Islands	148,843	12,000							812 160	36,875
British tilements in Au train	6,022	4 454	13 (25	7#L	13 /48	~49	18 09	990	2 490	1 521
Nonh American Colonies	405 1 1	22 700	260 32	14 307	307 (10	14 824	53 427	21 087	464 (08	15 312
West Indies	84,380	3,3,1	65 549	4 487	50 532	3,609	1 430	10,305	3 330	240
Huyti	202	21	6,250	309	5,641	135	1340	105	2 430	401
Cuba and other Poreign W at Indies	212 203	34763	210 12	133.1	110 35	5 349	117 10	7 750	264 34	13 361
Mesico	477,630	33,633	2 654,667	144 489	311 900	15 07	10 360	697	4 250	2 150
Gustemals		1 1.44			1		1		1	
Columbia	1	1	168,283	12 488	1 320	100	300	130	14 14 10	90
Brazal	7,276		00	48	21 40 31 000	140	7 77 1	460	39 3	1184
States of the Rio do la Pluta Chili	4 600	í	3,/34	208	8 129	1 1/0	17,200	1140	54 840	3,330
Peru	1 900	255			33 500	1 600				
Isics of Guernsey Jersoy, Alderney and Man (foreign goods		24	7 255	376	2.304	115	5,356	*29	4728	253
	· · · · · · · · · · · · · · · · · · ·							C	11111 1 0 0 0	# 101 mm
TOTAL	88 191 046	6 120,401	103 455,138	6,055,042	111 590,602	7 431,160	130-030 442	1 6 696,193	1184 02.3	1 7 101,304

COUNTRIBS	1831	1932	1833	1834	1835	1830	1837	1839	1819	1840
	£	£	£	£	£	£	£	£	\$	£
Rassis	7 664	123 177	107 685	70 758	114 660	68 933	55,899	64 755	74 333	68 586
Sweden	831	1727	1 620	2 195	\$ 970	4 650	4 275	3 459	2 830	2 964
Norway	25 532	3 042	15 063	26 527	19 631	20 269	15 727	13,549	12 856	12,391
Denmark	7 205	6,062	6,832	6 69	\$ \$68	4 245	2,487	1,345	5001	2,304
Prosia	100	7	G	419	271	9		18	168	652
Germany	1 145 968	1 499,375	1,440 840	1,500 720	1 409 081	1 172,065	1 170 412	1 065 047	1 044,508	1 100 140
Holland	\$ 597 250	847 043	1 538 548	598 802	645,190	602 903	714 053	034 041	675 896	602 228
Belgiam			\$ 340 101	325 935	200 249	275,906	207 02-	194,855	310 081	202 114
Prince Portugal Proper	48 970	64,996 297 492	82,607 \$59 251	128 159	178 407	211 287	152 980	1 1 026	151 679	165 511
- Azores	17 500	207/201	25 527	31 575	817 000 22,610	615,348	6.8.98.	24 007	697 676	702 100
Maderra	15 254		13,305	12 726	11 109	25 879	\$1,36		20 649	24,596
Spain and the Balsane Islands	139 261	8.,37 74.453	10,500	13,237	12 300	24 860 92,728	22 050 9 Ji 2	16110 710	14 909	16 622
- Caparice	16 161	9,835	16 455	19 346	14 398	22 227	23 (2)	1 3	27 403	28 53
Gibralta	344 690	9,835	22) 530	320 636	460,841	-93,371	23 021	800 JUS	27 403	632 432
Italy and the Italian Islands	1 079,920	1 197 713	1 128,829	3 510 087	988,247	1453 159	1 049 706	1 379 092	877 970	1 161 083
Maita	60 907	36 054	38 822	123 977	41 105	64 096	41 210	9, 574	45 651	64 083
ionian islands	5 825	16,943	5 871	37 271	29,393	41 294	4 059	33,523	20 113	39 862
Morea and Greek 1 lands	6,540	4 031	12,656	18,353	8 7 2 6	3 148	2 958	2 914	3,305	638
Turkey	358,808	633,440	7/2 693	831 701	973,377	1,411 839	772 963	1 183 18	838 100	713 114
Syria and Palesnne				1		35 408	330	137 827	196 181	175 576
Egypt	50114	86 016	54 753	96,170	162 069	134 169	150 681	1169 010	55, 62	12 727
Tripoli Tunis Algiers and Morocco	1.0	207	220	10 785	24 217	19 123	46 84	59,130	47 305	46 967
Western Coa t of Africa,	75,804	97 906	119 256	130 191	125 244	210 418	135 714	187 387	\$33 079	201 004
Cape of Good Hope	57,419	99,773	125 440	109 955	122,/17	198 666	344 439	206 024	130 001	153 176
C pe Vord Islands				1				6 463		2 487
St Helena	\$ 427	1 552	⊿ 340	3 445	4,868	935	679	1134	2,762	1 494
Ascension Island		(ſ	ſ .	ſ			66		
Magrifius Isle of Bourbon	68,585	72,898	26 108	77 124	77 592	87 727	159 700	109 986	69 374	159 898
Arabia	(1	1	\$ 030	1		1			1
Eart India Company a Territorics and Covion	1.		1	1	2 457	4 102			1 416	
Chips	3 1 100.540	1,830 470	1 173,630	\$ 859 31	1 358 951	2 920 343	1 538,803	1,805 149	9,314 754	8 023 656
Siam	1			152,598	291 853	370 101	273 387	529,847	886,7 5	238 389
Sumatra, Java, and other Islands in the indust Seas	105 610	0	314 000	34 446	070.000	1 100 100				
Philippine 1 lands	33,652	61,549	318 077	\$92,764	079 620	166,104	246 513	87 020	217 165	267,674
British Settlements in Australia	69 947	72,666	68 262 61 653	113 985	63 646	44 125	24 885	22 924	34 710	1047-4
New 7 saland		68741	1 11000	113 485	83.7/3	01100	27,250	194 487	\$9.,834	178,186
South Nes Islands	} 135	145			449		1 1	35	1000	3,181
Brituh North American Colonies	419 873	441 936	805 457	283 668	482 146	665 439	42 401	40 - 672	1 029	1 .08
West ludies	648,471	659 100	701 00	769 340	1033 661	1 057 495	916841	949 671	1 341 (78	592,91 1 524 639
Hayti	183 474	334 991	726 330	2) 7 523	198 004	100 407	84 442	131 75	2.9 104	1524 614
Cul a and oth r Poreign West indigs	8"5 878	381 429	332 803	525,311	421 425	50 .370	453 407	511064	419 161	401041
United States of America	2 843 251	1 242,484	1726792	1 671 709	2 630 901	2 476 906	712 394	1470918	1 459,398	1 110 078
Mexico	494 920	100,070	217 115	59 055	212 549	122 028	2147,35	20, 134	403 924	46 916
(uatomala		1	1 800	23 968	10 998					
Columbia	186,610	189 429	20 85	J17 84	28,355	192 271	94 851	94 960	176. 13	24 855
ß azil	702 001	1 31 3 039	1 687 583	1 487 584	1 500 708	1 701 789	1 014 437	1 (17 702	1 032 040	1 521 (09
States of the Rio de la Plata	186 617	424 93	303 603	493 144	333 898	4565 8	404 109	486,923	443 158	44121
Chele	454 174	460 987	511651	626 658	436 470	5 14 3 16	108 976	2,2932	800 947	JI 27
Port	242 313	130 643	217 HJŰ	136 688	192 880	438,132	21 111	221 67 3	434 380	491 827
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volgumo fri ortrugal i fri — Midenta paur and Lh. Ush ar chilauda brailant brailant brailant orticalant islands and the fushcan islands braina fighcal processus(0 cett Jard	2 / 5173 10 23 9 7 J 1 142 507 413 144 412 117 69 81 18 15 433 29 47 407 2,30, 931 5.6 / 4/	41 281 18 130 212 913 13 137 6 005 7 308 10 785 273 169 411 438 33 821	1 29 370 1 5 5 8) 15 858 07 15 858 07 15 858 07 15 728 37 930 15 743 6(3 86 15 743 6(3 86 18 51 250 22 6 5618 707 109	41.3.3 31.931 9.5411 6.541 3.555 10.545 9.27.413 4.554 15.252	90 91 85 199 12,809 357 357 30 955 25 371 36 392 6 900	3 (80 97) 6) 2%3 755 hr, 40 260 886 744 2,981 10 297 12,681 451 3,20,4 6	180 116 76 60 24 8 10 1 674 40 116 18 8 305 534,379	251 57 1 177 686 614 852 32 (19 13,362 11 787 22 367 5,29 8,57 1,43 5,36		
ric orugalir; r Aotes Aotes Materia Valar Calauda Trainar Anis and the fahan lalanda Inla Jula Jula Jula Geet Jand Geet Jand	110 2397 J 1322567 433149 432147 6981 18 16433 29 47.07 2,36,931 5,6 , 4	18 (30 2)2 913 13 (JT 6 005 7 3 (R 10 78) 2/3 169 411 439 1 33 821	15 5 8) 15 85× 07 15 85× 07 15 743 5(3 800 157 743 5(3 800 11 851 259 22 6 5 619 707 109	31931 2 3414 15 1 0 6(24) 3 555 10 543 227 413 453 417 15 252	85 199 12,809 3(4 357 357 455 25 371 36 392 6 300	6 1 2 43 755 11 , 40 260 886 744 2,081 10 237 12,581 451 3,29,4 6	26 607 26 8 10 1 674 40 115 78 8 305 634,379	177 086 614 ×82 32 + 19 13,362 11 787 92 367 8,20 8,7 1,43 536		
ortugal i r (r A derm A der ar c blauds brait auf at ar c blauds braitar brait	23 9 7 J 1 192 567 413 199 413 199 413 199 18 16 433 29 47 40° 2,36, 931 5,6 / 5/	20291J 13 (JT 6 005 7 308 10 78) 2/3 169 411 438 33 621	15 85× 07 ,1 528 31 9 30 157 743 5(3 80 11 851 259 22 6 5 613 707 109	2 9 413 15 1 0 6,731 3 554 10 554 227 413 453 417 15 252	12,609 3(% 357 30 955 25 371 36 392 6 392	755 Ir , 40 260 886 744 2,981 ,0 297 12,981 (351 3,29,4 6	24 8 10 1 674 49 1 15 78 8 3/05 634,379	614 ×82 32 + 19 13,362 11 787 22 367 829 857 1,43 536		
A obre M dera par and th Usla ar c islands brilian brilian C Ronarics brilian the italian islands prima I load force and G ceck I land	1 192 587 433 199 432 1 17 69 81 18 16 433 29 47 40 2,36, 931 5,6 7 47	13 137 6 005 7 308 10 78 (2/3 109 411 438 33 621	11 128 31 9 930 157 743 5(3 100 11 151 259 226 5619 707 109	15 1 0 6,741 3 554 10 544 227 413 453 417 15 252	3(4 357 30 955 25 371 36 392 6 900	40 260 880 744 2,981 10 297 12,981 451 3,29,4 6	1 (74 49 115 8 3 (5 634,379	32 1 19 13,362 11 787 22 367 529 8.7 1,43 536		
pair and the Hal are claisuds braitar Canaries baly and the ftalano lalands luits Jorea and Geek I land	412 (17 69 s1 18 16 433 29 47 40° 2,35, 931 5,6 / 3/	7 308 10 785 273 109 411 438 1 33 821	1 57 743 5(3 566 11 851 259 226 5 619 707 109	3 55.3 10 54.3 227 412 453 417 15 252	30 955 25 371 36 392 6 999	744 2,981 10 297 12,981 451 3,29,4 6	115 78 2 305 534,379	11 787 \$2 367 \$29 8.7 1,43 536		
braltar braltar Laita and the Italian Islands Laita puian I land lorera aud G cek I land	69 81 18 16 403 29 47 40 2,38, 931 5,6 / 3/	10.78) 2/3.169 411.438 1	5(3 too 11 851 259 22 6 5 61 9 707 109	10 54 J 227 41 3 453 417 15 252	955 25 371 36 392 6 900	2,981 10 297 12,981751 329,4 6	2 305 534,379	\$2 367 529 8.7 1,43 536		
i braltar July and the Italiau Islands Islata Jorea aud G. cek I Jand	18 16 433 29 47 70 2,30, 93 5,6 7 47	2/3 109 411 438 i 33 621	11 ×51 259 22 6 5 61 9 707 109	227 413 453 417 15 252	25 371 36 392 6 990	10 207 12,981 (151 329,4 6	8 305 634,379	829 8.7 1,43 536		
nly and the Italiau Islands Islta suian I land Jorea aud G. cek I land	29 47 10 2,30, 931 5,6 / 1/	411 438	22 6 5 619 707 109	453 417 15 452	36 392	12,981451 3,0,4 6	634,379	1,43 536	i i	
onan fland Jorea and Gleck fland	5.6 / 1/				(ADO		11.664	61.40		
lores and G cek I land										1
		141	2 589 (2	41 358	2 638	836 630	\$7 391	169 517		1
	4 00 1/3	C5 06	47 304 137	924 996	9 163	5 630.328	229.91	1 1 890 282		1
yris and I plestuto	20 1 4 312	281.32	8 15. 19	101 3	1 495	2 9 16, 181	135 113	619 4 8		
g) pt	6,6. 30	87 169	1 738 41	33 525	7 517	22 196	8 631	137 032		I
gers and Mo occo	27 6 9	8 013 19 894	93 500 104 JA75	20 141	55 1 189	2 654	415	5,830		
pe of (oo) Hop	4 230 4 7	66,534	5 144 441	104 141	19.182	17,480	809	174,526		
astern Coast of Mrica	3190	23			1			1 xa		1
apo Verd islands t Hel na and Ascens on islan i	43 671	517	15 0.01	308				825		
t Hul ba and Ascent of the Islan i	2 799	1355	40 (30)	789 40.479	576 5105	63 370	7	2 727		
ritish Lermth (es an the Bast Indica	11 104 - 21	2,661 37	33 15 661	74, 023	21 (47	16.823 846	839 216	4 210 423	1	
moatro Java and other islands of the Indian Scos	11.91 .5.1	150 472	8 .84 091	011	5 17	211 10	13 911	409 24		
t flipping Islands la g hong and Ching	4 113 15	15 373	1 195 G18	2 810	840	/ 280	880	94.003		
nt h Setti minte in Australia	105 945 635	151319	2,503 254	61 750	2 1 14 31,539	9 607 850 67 361	99 °35 4,666	1735141	1	
nuth Sca Islande	432 449	9 11	87 2/5	1 652	84	466	17	22 74		[
ritish North American Colonies	13 J00 05	257 394	1811 9	3º1 .×i0	73 363	996 510	30 4**2	242 225		
West Indies	19 008 542 9 125 7 2	278.069	27 31 916	455 291	12,/22 2 809	77,00	4 713	780 2.J6 114 195		
aba and ther Forvign West Indian Colonica.	14 264 155	190 186	3 494 428	37 2 418	35 324	1 100	37	601 028		
pited States of America	14 646 648	313 355	16.405 141	521 643	209 575	01 500	6 043	1 053 216		
CX AF	J4 160	49	132 (-12	1 935	340			8 024		
lexico lew Granada Veniruela and Coundor	2 031 157 6,124 83	49 /59 9 012	8,10 897	166 3 5 146 047	R 802 10 091	31 060 10 2°0	1 106	244 845 233 / 4	1	
Inst	47,041 +79	615 435	39 134,350	7748 3	36 048	3 900	444	1 429 509	1	ŀ
tates of the Rio de la 1 lata.	7 157 739	112, 127	7 560 075	15 664	17 611	8 140	94	257 396	1	1
hils	16, 20 942	205 168	1 193 1 143	3/18 1	25 235	414	9	60? 283	1	1
eru and Belivin be Channel Islands	8,493 17 731 199	13 600 22 A 3	13,558 742 GI# 474	272 58 22 #11	21 J18 0.317	7 332	292	419 776 52,275	1	1

CLASSIFICATION of the Exports of Articles of Cotton Manufacture, distinguishing the Quantizes of each shipped to each of the various Markets of the World, from London, Liver pool, Brastol, Hull, and the Clyde, from the 1st of January to the 3 ist of December, 1847, compared with the same Periods of 1846

COUNTRIES TO		Cotton Twis	and '	Yans		Thread an	d Sewi	ng	Plain C	Calicoes
WHICH EXPORTED		1846		3847		1846		1847	1846	1647
British North America.	£	Jhs 734 872	\$	lbs 639 739 21 242	£ 4098 123	Rus 114 097 54 693	£ \$107 661	168 63 798 39 866	yarılıs, 1230 015 13 .03 370	11.8 245
British West Indies		27 514		11 998 030		20 062		72011	126 093 300	A . (101
Bombay		3 793 911		3 82 946		\$7,397 \$777		130,203	4 030 13	11 1 2 354
Ceylon		80 000		63 S 10 5 (130		8,692	149	6,349	1 635 *85	1 631 113
New South Wales Van Diemans Land		5,588 4 230		1 456		469		1 146	494,681	714.7 7
Routh Australia		4 932		1 1		464		1 602	263 572	141 (4
Swan River		((56				738	105,138	1 13 109
New Zealand Mauritum		100				30 646		4 250	2,546 604	1 877 336
Cape of Good Hope and Mcon Bay		8,030		78,618		5 574		4 773	2,872 145 25 0 20	4 384 987 63 71 t
St. Helena Guernacy and Jersoy		2 608		1146	· •			500	7 920	57 260
Gibraltar		83 050		101 341		109,934	1	40 502	12,013,909	7 533,455
Maina and Ionian		1 607.949		901 419		9 3 38	1	18,793	9 253,856	4 451 963
Islands France		109 334		73 600		70 735		39 351	1 264 478	.4,323
Holland		24 164 857		16 052,685		62 250 66.038	i i	63 424 45 015	1 131 068	10 2 0 500
Belgium		5,135 705		3 2,0,685		00,038		})
Germany Including Hanse Towns		49,344 088		38 739 016		264 615	1.	206, 130	17 273 767 626 384	14 060 113
Denmark (944 021		648 053		2,343		631 23 87	980 754	38 951
Swedon and Norway		3 219 574		2 394 141 12,687 104		869 247	[1	12 155	93 / 571	1 166 587
Bassa Spala		1,013,370		9 0 3 0		1 500	i i	5 792	392 836	
Portugal		884 253		771 96		75 219		130 245	7 302 036	
Naples and Sicily Austria, including Trieste and Venice		6 211 015		3 941 906 9,064 380		72,731		96,242	15,528 661	5 219 640
Tuscany and bardinia		1								
including Genoa and		5.236.807		3 694 314		259 235		145 967	20,010 014	
Leghorn Papal Territories.		2,051 744		1 567 531		2,915		2 490	3,260,355	0 5 3
Maderra		9,919	1	444		5 360 506 337	371	1 342 984 01	3424/5	41/93.5
United States		41 121 66 178		77 290 29 682		39 /22	011	15.00	1 965 660	20 1 455
Mexico St Dominso		2 8 4 9				10 030	50	22 4,78	1456019	1 564 996
Cuba		10 963		7 690		*9 643 36,521	280	109 643	5,500 1 0 7 5/9 990	3 21 2 101
St. Thomas		29 35		1409 57 640		33,521	1	11,390	7 009 1 10	2 7192
Hondur s Columbia		11 558	1	25 057		91 777		56,3 5	8 1 25-	5 99 444
Denzil		27,364		26,784		191 397 31 152	(i	165 192	4 255 38	803 813
La Plata Chili and Peru		1 1		3120		263 281		215 733	36,139 744	27 14 81
Syrin and Palestine		1 035,340		1 629 8 8		441		1,300	\$ 130 F17	الاشرار 8
Turkey and Greece		1 .		1		ļ				
including Syra and Smyraa		7 492 839		6.111 448		14 454		44 98G	44 187 531	
Frypt		715 947		381 317		130		10 540	8 0 166 69 854 631	8 01 270
China		4 112 168		4 344 580	l I	350				
Java Singapore and Philipping Islands Madsgascar and Bour		1 190,572		2 (36 040		51 560		46 2**8	24 039 140	-3 "76 497
bo		953		4 811		3,505		029	1 91 541	23 + 704
West Coast of Africa. Azores		43 780		19,530		8 (26		1 940	1 065 0,9	1 950 161
Tons riffe and Capary		2 924		1 095		6.307		4 21 4	058, 619	410 (52
Coast of Africa includ	1	(2924		230 294		1 120		560	90 300	1 1 1 400
ing Alg ers Cape V rd Islands			1			3 904	1 '		103 1	135 436
Bouth Sout		15 750		L		3 904			·	
TOTAL		151 102,852		118 671 353	4921	3,541 064	61.50	8 249,354	609 199 109	33 369 34

CLASSIFICATION of the Exports of Articles of Cotton Manufacture, distinguishing the Quantities of each shupped to each of the various Markets of the World, from London, Liverpool, Brastol, Hull, and the Clyde, from the 1st of January to the 31st of December, 1847, compared with the same periods of 1846-(continued)

COT NTRIES TO	Printed a Calu	nd Dycd	Cam	brics Musi Le		ons and	0	her Plain C	lotton	Goode
WHICH EXPORTED	1840	1847		1846		1847		1846		1847
	vards	yards	£	yarde	£	yards	£	yards	£	yards
British North Am men	16 540,517		77	385 023	834	814 775		70 433		157 383
British North Am rica Br ti h West Indies	19716145	14 564 166	64	502 662	120	413 570	7	72,769	4	50 263
Madras and Calc itta	14 996,989	11 929 463	40	464 361		484 103		68 153		194 166
Bombay	5,980 539	15 946 480	l l	200 290		192,023		14,678		2176
Ceylon	604 190	363 069	5	23 232		931 179		104,164		225 304
New South Wales	2,381 112	1 999 397 747 275	i	08 984	310	80,226		51 603		56,213
Yan Dieman s Land South Australia	508 749 297 6 1	171 001		99 409	Ł	10 520		26 865		\$ 735
Swing River	49 759	9 5 9 6		1 279	[408		3,620	-	
New Zealand	70 529	58 478	ļ.	1 540		11 784		2 457		3,359
Mauritina	3 521 276	1 754 974		95 381		59,596		20,881		6 511
Cape of Good Hope and Algon Bay					((i		109 826		331 707
Algon Bay	2 004 567	2,689 335		259 472	i i	63,446 1 864		1 259		2 .47
St Helena	28,404	32 896	l l	2 320	(3,456		1 670		
Guernsey and Jersey	3~10	5,083 536		52,184	Į –	109 204		9,709		1 706
C braltar M hts and Ionian	0 741 795	4,083 330		100,000		10.2.204				
lands	2 05 978	2,896,269		36,994		0 761		819		1829
France	1 604 253	362.764		44,862		20,352		111,269		87 473
lolland	11 742 501	10,496,850		64 135		17 0.18	· · · ·	30.314 125 138		43 218 111 692
Belgium	543 939	652 128	1	105,364		109 066		123 - 138		111 692
Germ ny including						328 784		724 759		815 911
Hanse Towns	95 663 609	31 428,346		313 107		313 784		2,449		d .25
Denmurk	48/6 0	176 503 381 81 L		83 639		89 637		4 356		18 924
Sw len and Norway	431 699 204,36	199.904		27 171		24 167		4 899		5,826
Ria. Seala	43 785	19 116		89 028				401		1
lortugal	11 775 007	11 770 033		8811		23 327		1 1 10		04.
A plus and Sicily	4 607 248	4 507 255		2,620		8,900		210 048		1,9 387
Austria including Trieste			ł					13,491		28 274
and Venice	3 567 431	3 162,705		20 472		1 080		13,491		28 274
Tuscany and Sardi in	í I		í	(í i	((l l
incining (uon and	1 351 422	7 517 039		99 787		0 466		95763		307,391
Lept rn I aj al Territor es	3 4 6	3 114,756	1	3,800	1	1		29 272		4, 304
Matura	418 139	355 012	;	6,523		7 434		3 928		946
U 1 Hd States	1 032 181	51 613 625	1 7	629 648	634	1 686 130		345 148		715 799
M Xico	5 198 833	1791 43	· ·	31 956		197 256		7 720		1824
Sr Douil go	656 361		1	1847		13,008		11 (50)		5 324
Cla	4 2 649	5 807 983	{	108,302 11 402	12	97 483 43 70 J		1 140		364
St Thomas	11 583 0	1 178 209	ł	1517	4	2 688				
Heid s	10 202 36	7 60 6 209		92135		97 84		3 430		2 900
Columnia Brazil	34 59 A 75			437 364	1	425 133		31 177		7 695
La Plara	1 18 255	5 450 991	ſ	01 513	(107 368		{ }		
Chill and Peru	20 606 811	18 116,348	800	58 796		gn 569		21 850		S 034
Syri and P lestine	3 206, 83,	4 990,647		1 660		10 400				
Turkey and Greece in	1		1		Į	1 1				
cluding Syra and				219 645		maria		3 420		9515
_ 500) 108	1 213 049	17 217 487		21-1045		12 000		40		
BRYPT	2 559 494		1	1 **				9.813		70
Gaina Ja a Singapore and	2 665 452	-10.11	í –	(1				
I h hep ne l lands M dagazer and Bour	11 59 987	9,351 418		214,240	50	7 464		25 984	i	
hou	1 4 LGNO		t	J	J					161 01 1
W Coast of Africa	2430.921	1048579		48 415		23 120		484 184		167 (# 2
Ax	811.010	340 0		24 180	L	10 4 34		10 070		36 340
I ner:ff and Can ry	393 847	046 (H_F		9 (8)		10434		1.0013		
Coa sol birich incl ding	1	161850	ł	1	1	1 1	I.,	1 1		1 190
Alge Ph	1205 493	18 1840				360				
Capu's rd Islands South South	391 0.1	21.942		8 500				514		
	1		·							
TOTAL		312047.00	178	14,0916	1.71	1 6,110 10 -	7	x 9 8 349	4	139,4,0,60

CLASSIFICATION of the Exports of Articles of Cotton Manufacture, distinguishing the Quantities of each shipped to each of the various Markets of the World, from Landon, Liverpool, Bristol, Hull, and the Clyde, from the 1st of January to the 31st of December, 1847, compared with the same Periods of 1846--(contanged)

COUNTRIES TO		Lace Ga	Aase	8:0	G	ouoterpa	acs a	od Quilu,	¢	otton Hos G	ery Ca loves	ps and
WHICH EXPORTED		1645		1847		1840		1847		1846		184
British North Appenies	£ 913	yards 1,914 851	£. 1744	yarde 457 88)	1	number 16.7.)1	£	aurober 20 217	£ 354	dozen 62.603	£	dozen 47 571
British West Indics	164	317 454	95	178 414	13	23 135	14	\$ \$1.467	2125	24 17	12.00	11.54
Madras and Calcutta.		215 323		273 220		3 626	1 7	2 321	25	6 365		12,_39
Bombay	1	31 147		18,507		433			214	3,994	10	
Ceylon New South Walca	(L	6,970 185,623	202	140 .09 267.911	1	17 432	1	17 625	200	60L	3	1743
Van Dieman # Land		120,247	308	93,528	1	3,666	E .	17 023	1 2	2677	270	34 363
South Australia		03,421		57,800	1	4 027		1784	1 1	3(5)	1 1	-,369
Swan River)		1			300	1			90	1	40
New Zealand			ł i		(24	1	357	1 .	60	1 1	2 372
Mauritius		45,710	1	24,722	35		11	1,480	30	871	1	3,850
Cape of Good Hope and	1	32,384	1		1	19.867			1			
Algeo Bay St Helena	1	02,384	1.	13,055	Į –	12,807		5 91)	ì	7 360	1	9 220
Guernsey and Jersoy		[]			{	[490	((44	í –	428	()	277
Gibraltar		241	1 1	35 176	1	083	1	275	1 5	2,055		2,104
Malta and Iontan Islands		20 722		50,359		1 173	1	734	-	151		567
France		13 790,090	1 .	6,997,337	1	800	1	893	Ι.	83	} '	797
Holland	i i	12 +13 178	1	12.42. 459	1	871	i i	393	11-3	5, 20	928	
Belgium		7 879 405	1	9,993,406		1		8	280	2,005	\$3	2,611
Germany including Hanse Towns.	}	38 681 654	J	30,913,390	1	297		1.040	\$398	2,710	4.207	2418
Denmark	1	38 185	1	66,4 3	1	("	1	1,040	53	2,110	4,207	2,018
Sweden and Norway	ŧ	112 869		75 142		1 78		123	73	313	1 60	338
Russia		-15,102		1 639 793	1	590		791	1723	1 1 1 1 9 0	3 012	2,376
Spain	ł	1	1	9,315	Į	145)		1 5	925	1	
Portugal ~		46 518	E .	14 002	ł.	50				31	1 1	546
Naples and Sicily		483 129	l I	234,5 0	1	1,251	1	1,615		26	1 1	30
Austria, including Trieste and Venue		64,940	1	252.676		1 186		545		126		459
Tuscany and Sardinia	{	04,140	1	200,010	1	1.00	2		ł	140		4.50
including Genos and	1				1	ţ.	1	i i	1		1 1	
Leghorn		285 906	1	40 920		575	1	514		1 027	1 1	2,211
Papal Territories		187 , 10	1	7846	1		1	1	L I	10 113	1	1104
Madeira	6	16 519	975	3 00	Ļ	17.681	1	(169 17 161	í a	1 128	335	97
United States Mexico		20 906	1.3	8,552,534 80,679	1	11,001		258	i ª	73 649 2 695	3.55	93,992 75
St Domingo	1	5 20	1	11874	J	20	t t	1 440	1	1 000	215	£4
Cuba	(\$40 495	1	1 149 661	Į –	8.555	1	11048	1 30.	17 615	1	23 052
St Thomas	Ú –	211 492		101 036		1 560	1	4,633		2, 56	100	1 175
Honduras		37 000	198			63		, 413	1 I	551	1 1	7 7 7
Columbia	1	245 247	J	44 970	1	8.349	1	\$72		1 678		1 049
Brazii La Plata	1	283,920	[433 964 22 18	ſ	3,340	(3 616	1 1	J 213 3 215	1 1	17.549
Chili and I ora	ł	432,606	Ł	585,098	1	1 90		735		41 707	1 1	11 732
Syria and Paleatine	1	404000		000,000		I ‴				100	1 1	10 100
Turkey and Greece	1	1	1	}.	Ł	1]	1			[]	
including Syrn and	1			1		1			[]		1 1	
Smyroa	I 1	128 214	1	40 488		232		165	1	1,990	1 1	989
Fgypt	1	2,323	1	111 917		300	Ł	1	1 1	542	ł 1	~15
Java Singapore & Phi	{	3,000	Ĺ	tuan	1 :	300	Ł		1 1	842	; I	
ippine l inda		42,025		75,813		ور ا	1	300		1 264		319
Meducascar and Bournon			1		1	1	ļ.					
West Const of Africa	1	- 1	Ι.	51 647			ł			291	N0	831
Azores	1	13, 00	1 !	380	!	1 19		60	1	89	1 1	1.13
Teperific and Canary Coast of Africa includ	1	7046		2 057		342		976	1	987	1 1	685
LOAK OF AIRING INCLUD			l I						55		1 1	
ing Algiers Cape Verd Islands	1 1	1	1 -		1	1.)		1 1		1 I	9
South Seas		G 560								172	1 1	
					·	1	·		<u> </u>			
TOTAL	433	83,738 0 6	12441	84 672.918	115	1 119 5-14	79	187 5.59	1012	34 529	80 819	327 626

CLASSIFICATION of the Exports of Articles of Cotton Manufacture, distinguishing the Quantities of each shipped to each of the various Markets of the World, from London, Larerpool, Bristol, Hull, and the Ciyde, from the 1st of January to the 31st of December, 1847, compared with the same periods of 1846-(contained)

COUNTRIES TO	Catton	Shawin s Pinn	and H and Fr	ndker mted	Taj	pes Bo	bbím	&c	C.	tton ap 1 Mi	Lin xed		Cotton	
WRICH EXPORTED	1	846	1	847		840	1	847	_	1846		1847	1816	1847
British North America British West Indies Wa iras and Calcutta.	£ 9,404 1 294 45	dozen 5,760 40 728 3,900	£ 2 667 1 241	dozen 684 3331 6,437	£ 80 144	doz 1 430 70	£ 130 147	908 1 013	11	yerds 54 80 1.3,966 6 0	£ 40 71	yards 60 6~1 92,302 2 249	36 104	16 198
Bembay Ceyl n No v S oth Wales Van Dieman a Land	40 406	f G\$4 160 4 937 1 424	204	1 (00 2,350 5 354 1 401	6 5	1 352 510	10 51	093 560	1 1	1,35% 350 7 251 8,500	5	910 2,597 64	3 382	809 154 6 314 1 419
South Au trains Swan River N w Ztaland Mauritus		1 120 155 54 1 45%		136 176 325		-				50		2,130	97 60	60 455
Cap of 1 ood Hope and Algon Bay St Helena	168	19,363 19,363		10,204		1,04,		5,60 3		2,166 2,306		410 14,586	615 1,013 43	679 1 798
C ern ey and Jursey Gibraltar Maits and Ionian Llands	70 50	6,98 4 966		21,299		70		40L		4,097		2,040 300	613	45 1 091 73
France Holland B lgium	13	8,910 616 6,008		2 060 323 8 154	30	590 400	10	230 1 1°9		1 788 1 538		10 521 8 74 8,495	897 203	1 390 734 364
Gern any including Harse Towns Denmark Swedin and Norway		757 1 48°		575	457		985 28			3,662		4,340	339	803
Rus a Spain Portugal		6%4 108 6 904	99	197 1 171 2,452 2,405	198	1,3,6	128	352		21 400 2 2.35 3,156		598	310 63 10 407	181 46 886
Naples and Sicily Austri including Trieste and Venice Tisc ny and Sardinia		19,349 30 623		20 772 32,212						5 0.56		24 463 1 420	031 312	389. 282
including Genes and Leghorn Papai Torntornes Maderra United States.	949	21 162 22 762 2 794 37 475	5 ,50							40,054 4 400 103 207 396		18 #18 4 350 805,978		098 81 176 43 205
Mix o St Dowings Cuba St Thomas Houd ras	75 206 508 110	42 375 2 356 33 10 16 524 13 894	514 765 813 313	14 689 6 027 95 8 0 10,5 12		10 6,912 1 00	*21	300		6 8 46 1,6°6 103,869 183 235 12,540		10 /00 953 21 958 264 797	1 247	037 ≥×3 4 003 2 435 151
Lalantin Brazzi Liata Chili az d Peru	3 625	18 384 101 270 5 131	9 168 340	21 796 303 511 27 276	125	440		16		12,540 98 734 186 441 25 170 40 263	10	49 001 66 4 19 15 7 720		1 396 9,884 1,055
Syrs and Palestine Inricy and Greece ircluding Syra and	2 916	23 770 1 842	270	6,972		1 260						10.040	128	2,584
Suyraa E, 1pt Cluss Ja a, Singapore and		9 962 2,078		15 354 1 442 28						1 000 95		16 249	149 14 23	891 43 22
It dippipe Islands Madagascar and Hour box		9,836 <u>}</u>	100		10					~			208	170
We t Coast of Africa. Azor # Ten nille and Canary Goest f Mr. # In		8,823 8,557 8,383		11 577 F 671 8 335		400 1 125		60 545		18.0			644 485	83 247 36
Cape) rd leiands South Yeas		250 490		45						1 000			45	
TOTAL	1) 461	54F 275}	15,119	714,591	1164	18,130	1516	11,8 1	60	41 253	135	1,863 186	109,113	1 0 090

MISCELLANEOUS STATEMENTS OF THE PRICES AND THE PROGRESS OF COTTON FABRICS

Ma BAINES, who has with great pairs collected valuable information, in his work on the "Cotton Manufactures of Great Britan," states that "a very good hand waver, twenty five to thirty years of age, could weave two pieces of nuneighth sheetings per week, each twenty-four yards long, containing 100 shools of weft in an inch The reed of the cloth being forty-four Bolton count, and the weft and warp forty hanks to the pound In 1823, a steam loom weaver, about fifteen years of age, attending two looms, could weave *swen similar* pieces in a week.

"In 1823, a steam-loom weaver, about fifteen years of age, attending to four looms could weave twelve similar pieces in a weak, some could weave fifteen pieces "In 1833, a steam-loom weaver, from fifteen to twenty years of age, assisted by a

"In 1833, a steam-loom weaver, from filteen to twenty years of age, assisted by a ril about twelve years of age, attending to four looms, could weave *ciphteen* similar pieces in a week, some can weave *twenty* pieces."

The progressive improvements thus given by Mr Baines have continued to the present time, and "now (1845) a steam loom weaver, about fifteen years of age, attending to two looms, can weave eleven pieces of the same cloth, and a steam loom weaver sixteen to twenty years of age, assisted by a girl about fourteen years of age, attending to four looms, can weave twenty-two similar pieces in a week"

Mr Porter, in his estimable and most instructive work on the "Progress of the Nation," gives the following statements

YEARS	Prices paid for Weaving	Prices ptud for Cottons	Seiling price of 72 Calicour	Barnings of the WLAVETS per Weck	YBARS.	Prices paid for Weaving	Prices paid for Cuttons.	Selling price of 72j Calicues	Rarnings of the Wearers pur Week
1814	2 1	26	£ 1 6 1 8 0		1829	14	0 4	5 d 8 9	* d
1815 1816	0 6	1 8	1 5 5	14 0	1630	111	0 84	88	12 0
1817	2 6	1 10	1 0 74		1832	11	0 7	ВŐ	i
1816	្រទ	1 10	1 1 1 14 1		1823	1 9	8 94 0 10	8 6 9 0	
1819 1840	20		0 17 8		1834		0 10	5 9	12 6
1621	ĩ ê	011	0 15 82	14 0	1836	14	0 92	10 0	
1622 1823	18	0 10	014 51		1837	14		83	11 0
1824	1 1 8	0 101	014 0 1	ļ	1839	i a	0 71	80	
		1	011 0		1840	i a	063	73	9 94
1895	18	1 2 4	0 18 6		J841 1842	124	0 61	1.0	9 44
1926	16	108	0 10 6	- 1	1843	1 H	0.42	50	
1827	16	0 74	0 10 8		1644	1.14	0 41	69	21 0
1829	14	0 7	0 10 2						

TABLE showing the effect which successive improvements have had in diminishing the price of cotion cloths, the same article-a piece of calico known in the trade as 722-us given throughout.

Short time and an weeks turn-out."

"The reductions made previously to the time embraced by the foregoing table are shown by the following list, which wis given into the House of Commons in 1812 on occasion of the inquiry then made into the effects of the orders in council, issued in 1808, in retaination of the Berlin and Milan decrees of Napoleon

PRICES paid for Weaving Twenty-four	Yards of Cambric at Stockport, in Cheshire
-------------------------------------	--

YEARS	Value	YBARS	Value	YEARS	Value
1802		1606	15	1810	1 3
1804 1804		1807 1808 1809	13 14 13	1811 1819	10 10

"The quantity of twenty-four yards above stated is as much as a good workman will produce of this description of cloth in a weck The low wages paid for making the same in the latter years, when every article of provisions was excessively high in pince, and when even at these insufficient rates, but little employment was to be had, caused great und wide spread misery among the manufacturing population '

The following statement of the progress of the power-loom is taken from Mr Baines' "History of the Cotton Manufacture" —

"In 1813 there were not more than 2400 power looms in use yet this was enough to alarm the hand-loom weavers, who, attributing to machinery the distress caused by the orders in council and the American way, made notous opposition to all new machines, and broke the power-looms set up at West Iloughton, Middleton, and other places American the grave ratio of the power-loom having now been proved, it was adopted by many manufacturers, both in England and Scotland and it will, no doubly, in time supersede the hand loom. The rapidity with which the power-looms is coming into use is proved by the following tuble ithe principlars of which were stated by R A Sian.y, Laq M P, in the House of Commons, on the 13th of May, 1830, and which rest on the authority of Wr Kennedy.

COUNTRIES	1920	1829
England Scotland	number 12 9 2,600	number 45-00 10:000
TOTAL	14 150	53 500

NUMBER of Power-looms in Figland and Scotland

"This number would appear to have been somewhat under-rated Dr Cleland states that in 1828, the Glasgow manufacturers had in operation in that city and elsewhere 10,783 steam-boms, and 2000 more in preparation total 12,843. He supposes there was in increase of the per cent between 1828 and 18.32, which would make the number 14,127 in the latter vcar. This is independent of other parts of Scotland, unconnected with Glasgow. In 1813, evidence was given before the Commons committee on manufacturers commerces, &c. that, in the whole of Scotland, there were 14,370 steam looms Wc may theretore safely take the number of power looms in Scotland at the present time (183-) at 15000.

In England, the great increase took place during the years of speculation, 1824 and 182_3 and comparatively few power loom mills were built betwirk that time and 1832 But in 1832, 1833, and the formic part of 1834, the trade has been rapidly extending many mills have been built, and many spinners have added power-loom factories to their spinning-mills

"Mr W R Greg an extensive spinner and manufacturer 1 Bury gave evidence before the select committee of the House of Commons on manufactures &c in August, 1833, that the number of power-Jowns had very maternally increased of late years in and about Bury, and also at Siockport, Bolton, Ashton, and in Cheshire He stated that he did not know any person who was then building a spinning mill without the addition of a power loom mill

"4' K Kennedy s estimate for 1829 was probably too low for England, as well as for Scotland at all events there are good reasons for believing that there must now be 85,000 power looms in England This conclusion is deduced from a compatision of the number of workmen employed in power-loom weaving founded on actual retures, obtained by the Factory Commissioners from the cotton-mulls in Lancabine and Cheshire It is also supported by the calculations of Mr Bannatyne, and Messrs Samuel Greg and Co., the spinners and manufacturers of Bury At the present time (1835), the machinemakers of Lancabire are making power looms with the greatest rapidity, and they cannot be made sufficiently fast to meet the demands of the manufacturers. The result we have arrived at is as follows —

Estimated Number	of Power-Looms in Great Britain in 1888.	
In England In Scotland		85 000 15 000
Total		100.000

"While the number of power loams has been multiplying so fast, the hand-loams employed in the cotton manufacture are believed not to have dimmisside between 1820 and 1834, but rather to have increased In the former year they were estimated by Mr Kennedy at 240,000 In 1833, Mr Grimshaw, a spinner and manufactures, &c. Cohe, gave his opinion before the committee of the Commons on handractures, &c. that the number of hand-loam cotton weavers in the kingdom was about 250 000 while the year 1834, several intelligent workmen and manufacturers for Gaoge Smith, several intelligent workmen and manufactures from Glasgow gave endence to the Commons' Committee 'On Hand-Loam Weavers', that there were 45,000 or 50,000 hand-loam cotton weavers in Scolland alone '

"Since the publication of Mr Bannes' rolume, returns have been made by the inspectors of factories of the number of power-looms actually in use in factories at the end of the year 1835, in each county of Great Britain and Ireland From these returns, an abstract of which we have given, it appears that the total number of self-acting looms in the United Kingdom employed for wearing cotton, was at that time 109,626, thus proving the accuracy of the foregoing calculations

" It does not appear likely that any considerable addition will in future be made to the number of hand looms employed for cotton weaving, whereas the machinemakers of Lancashire have at different pencids been engaged to the full extent of their power in constructing power-looms, so that their number increases con tinually. We should be wrong, however, if we inferred that hand-looms are lying unemployed Power-looms have not hitherto been found generally applicable to the production of fine cloths, or what are called fancy goods The

demand for these fluctuates considerably, and is at times greater than can be readily supplied In the report of the select committee of the House of Commons, appointed in the summer of 1834, to examine the numerous petitions presented by the hand loom weavers, we find a statement given in evidence by Mr Makin, a manufacturer of Bolton, to the following effect -

" I know that there is at present no surplus of weivers I go nine miles from the scat of my manuficture on one side to get weavers, and I am putting out work nine miles acro s the country in another part to get weavers, and if I knew where I could get a certain description of weavers, by going nine miles another way, I should go But it as a strange fact, that, whilst the demand for hand-loom cloth is greater than the production yet the wages do not rise and in about two months from this time (July, 1834) I know, from the experience of past years, that there will be demands for thousands of weavers more than can be obtained "

Mr. Porter observes-

'The fact stated by Mr Makin, although seemingly at variance with the ordinary law of demand and supply, may admit of this solution ,-that, when they can be furnished within a certain limited price, hand-loom cloths meet with an extensive sale, but that, when that limit is passed other goods of home production, or similar goods of foreign make come into successful competition with them, so that the manufacturers are not enabled by the most extensive demand, to increase the rate of wages paid to the neavers

Mr Stanway, who was under the direction of Mr Cowell, one of the Factory Commissioners appointed to collect information as to the employment of children in factories, states that-

The subsequent calculation does not aim at fixing the whole number of operatives dependent upon the cotton trade for subsistence, but only of that part of the operative body which earns a livelihood in cotton factories moved by power, and is employed in carrying on the preparing, spinning, weaving, and accessary mechanical departments within the walls of them

It does not comprehend hand loom weavers, printers, bleachers, dyers, cottonthread lice makers (an enormous and growing branch of the cotton manufacture), and many other branches of manufacture, either arising out of, or inmediately dependent upon the spinning of cotton by power It comprehends those operatives alone who habitually work in cotton factories It shows their body to consist of 212,800 persons, and to earn annually the enormous sum of 5,777,4341

" The total quantity of cotton consumed in the spinning of yarn in Great Britain, in 1832, as stated in Burn's Commercial Glance, was 277,260,490 lbs , and of this quantity 27 327 1º0 lbs was consumed in Scotland, leaving for the consumption of England 249,933, 370 lbs

The nett loss of cotton in spinning is estimated variously by different individuals In the calculations of Mr Lennedy, made use of by him in a paper published in the ' Tran actions of the Manchester Literary and Philosophical Society it is taken at 11 oz per lb while Montgomery, in his Theory and Practice of Cotton Spinning, computes it at 14 oz and Burn at 12 oz , but as the amount taken by Mr Kennedy is that which appears to be generally considered correct, it is adopted in these calculations

"If the, from the quantus given above, we deduct 14 oz per 16 b, or 23,431,253 lbs, we shall have the total weight of yara produced 226 502 117 lbs The average number of hauks in each pound of yara spon is considered, by appa-rently a majority of persons conversant with the subject, to be forty Montgomery takes the average counts spun in Great Britain at fifty, which, taking into account the

ORIENTAL COMMERCE

finer average numbers spun in Scotland than in England, would fix the counts nearly as above stated

"The retuins made to the Lancashire forms of inquiry, as given in previous tables, show an average of finer counts than forty, but, as the returns were better mode from the fine mills than from the coarse, and from Manchester, where the finer yarn is spun, than from the country, it is evident that lower numbers ought to be taken than those shown in the returns, and, as the general opinion appears to be in favour of forty, this average is adopted

"Three mills, in different situations, and of average capabilities, made a return of the quantity produced by them in the month ending the 4th of Mav, 1833 and, as the average counts of the whole were 39 98 hanks to the 1b, and as they also gave the number of hands employed in spinning during that month, and the duration of their labour, they furnished data from which may be easily calculated the total number employed in factores in England in preparing and spinning cotton

"In the mill of the first, 344 persons in the spinning department, working 276 hours, produced-

19,000 lbs of Nos 30 to 32 18 000 lbs of Nos 38 to 42 2,400 lbs of Nos 150 to 170

" In the second mill, 245 hands, working 270 hours, produced-

1,795 lbs of No 12. 4 285 lbs of No 22 33,838 lbs of No 40

"And in the third, 110 hands, working 286 hours, produced-

16,700 lbs of No 40

"The average counts of the three being, as before stated, 39 98, and the produce 95,018 lbs

"The total number of hours worked will therefore be $344 \times 276 + 245 \times 270 + 110 \times 286 = 192,554$, and the produce of each person per hour, $\frac{1929}{12} = 0.49,346$ lbs

⁴⁴ The usual estimate of 300 working days per annum of 11½ hours each, or sixtymen hours per week, would give 0.49,346 + 11.5 + 300 = 1702.437 lbs, the produce of each person per annum, and $\frac{25}{24}(\frac{1}{24}\frac{3}{24}\frac{1}{24}) = 133.045$, the number of persons employed in the preparation and spinning of cotton in England

"On examination of supplement (Z^{\bullet}) it will be seen that, in the 67,819 persons of whom returns were made to the commission, there were 42,401 engaged in preparing and spinning cotton, 23,920 in the weaving department, and 1498 as engineers, mechanics, roller-coverers, &c

"If, then, the same proportions are taken as existing in the total number of cottonworkers which are found in the returns made to the Lancashire forms of inquiry, the number of persons engaged in the manufacture of cotton-cloth in factories will be 75,005, and of those employed as engineers, &c., 4700, making, with the 133,045 in the spinning department, a general total of 21,2600 persons engaged in cotton-factories

⁴ "Which total number of 212,600 persons may be divided and distributed, by adopting the proportions given in the returns made to the Lancashne forms of inquiry, so as to show the probable number of persons employed un each of the eight branches or departments of cotton working, and the aggregate amount of their nett earnings per month "

 Statement of the distribution of 67,819 hands into eight different branches or departments of cotton working, is given in a previous page of this official Supplement

	Ad	alte	Children under Eighteen Years of Age							
				Males			Pemales.			
EMPLOYED IN	Maler	Femalos	In the direct Fuploy of Masters	In the direct Empl) of Ope ratives	Employers uncertain	In the direct Employ of Masters	In the direct implify of the rath of	Employers ancurtain		
	number	number	number	number	number	numb, r	number	number		
Ch, ping and spreading cotton	1380	9 319	951	3	31	845	с (13		
Cardung	10 361	15 662	4,983	401	~8	8 099	458	163		
Mule punning	23,727	(ວໄອ	4 638	23,634	257	1 456	8 663	82		
The tle-spinning	43	3.040	1 140 1	25	140	2 162	1.3	160		
Reepog	722	11 208	182	25		* 30i	76	119		
We rug	20,440	28,56	4,581	2.83	204	12109	4 961	119		
Roller-covering	261	369	19	3		31	23			
Engipters &c	3,759	મ	151	່ ວ_	34	3				
TOTAL	60 193	65 774	16314	26, 42	680	26 351	13 .05	65¢		

EMPLOYED IN	Proportion whose ige and bex are uncertain from a den iency in the Returns	Total. Employed	Aggregat of Me Nett E	athl	y
at	Brunger	number			4
Cleaning and spreading cotton Carding	519	4 396 40 484	8,631	19	¢.
			75 276	10	0
dule spinning	, 354	65 21G	139 660	17	9
Throatle spinning	1	, 709	11 615	10	
Reolug	+	14 638	22.917	8	4
Wearing	2193	75 050	168.663	16	3
R lier-covering		~25	1764	18	5
Eugineers &c		S 975	15,987	ò	9
TOTAL	33.6	\$12,800	444.481	1	1

Mr Porter observes ---

"The computation made by Mr Stauway gives 212,800 as the number of persons of all ages employed in spinning and weaving factories in the United Kingdom, while the actual number given in to the inspectors in 1853 amounts to 220,145 persons, being a difference of only 7334, or not quite 34 per cent. Before giving the summary of the statements made by the inspectors in 1853 and 1839 it may be astifuctory to insert the following particulars derived from returns made to the commissioners by the proprietors of 2.25 cotton-mills in Lancashire

TABLE exhibiting Returns of 215 Cotton-Mills in Lancashire

	ADU	1.7.8		CHILDRE	N UNDER	EIGHTE	N YRAR	8			_	1	1	
				Males		1	Females		TOTAL	Ang	gregate ant of dr Nett	Paid by Pixed	Paul m proportion	Number whose Mode of
PLACE WHERE EMPLOYED	Males	Females.	In the direct Employ of Masters	In the direct Employ of Ope ratives	Employer uncertain	In the direct Bmploy of Masters	In the direct Employ of Ope- retires	Bmployers uncertaio	Employed	the	alogs for Month og the 4th lay 1832	Daily Wages	to the Quantity produced	Payment is not given in Returns
Manchester and immediate neigh berzhoed Steckpert and Heaton Norris Dickenziek and Staviey Bridge Hyde Brinngton &c. Udbam Glosop &c. Okton Warington Greg & Co., and R. & T. Taylor	number 6,847 2,601 2,651 2,602 1,221 1,954 1,650 534 187	namber 7 624 2 525 2 421 3 507 1 413 1,388 1 483 355 247	Buniber 1724 690 847 1976 233 810 233 810 233 810 233 72	number 2803 1027 976 832 591 842 1304 1 0 58	agmber G3 28 9 51 26 40 40 3	number 2502 976 850 1991 423 604 696 110 127	28000000 1640 541 358 180 833 833 840 760 88 88 26	Bamber 83 25 13 30 38 6	namber \$2,442 8 346 8 548 10,352 4 970 5,035 6 174 1 109 7 16	45 (18,4 19 a 23 3 8,4 11 4 11 5 2,0	105 5 91 109 7 51 197 16 10 184 10 41 167 9 92 148 15 7	number 11 690 3,470 2,693 2,409 1,796 3,572 4,572 4,285 349 250	9 178 9 178 4 764 3 827 5,037 1 917 9 805 1 833 1 533 1 53 1 53	number 1874 162 2019 1.356 657 217 56 215 17
TOTAL	19 247	20 902	4880	8523	\$20	8398	4301	200	67 819	141 6	33 5 74	89 613	31 950	6256
	۸D	ULTB			HILDRE	UNDER	EIGHTE	BN YBAR	8		Person		Τ.	
EMPLOYED IN					Mairs			Femalos			whose A and Sex	ge Tor		ggregate mount of eir Nett roings for
EMPLOYED IN	Males.	Femi	ilos E	n the hirect ruploy of asters	In the direct Employ of Ops- ratives	Employers uncertain	In the direct Employ of Masters	In the direct Emplo of Ope Yatives	Bmplo aucret	yets	aot given Ruturn	in	una th	e Month ing the 4th May 1893
Cleaning and spreading cotton Orthog Mulo-sciencing Throstic-spinning Recting Wearing Boiler covering As engineers mothanks for men for	2017ber 424 3 302 7 243 253 239 6,514 63 1 198	42 42 1,0 87 91	30 00 56 56 72	mber 303 1 348 968 449 68 1460 6 48	2000ber 1 147 7532 8 523 1 8	numher 10 23 83 32 63	number 110 2581 400 702 745 3859 10	Bumber 9 140 2761 6 24 13.8 7	bumi 4 52 20 31 49 38		90mber 251 116 699	1 12,5 20 5 4 4 23 5	93 2 03 23 84 44 57 3 05 7 20 53 81	# 4 4 730 19 11 990 9 104 409 13 94 409 13 94 701 16 10 271 17 55 732 17 55 502 9 65
TOTAL	10 17	20 0		4840	8523	220	81.18	4304	200		1076			005 0 91 135 5 71

COUNTIES	Pact	02:05	Between Twel o	F ght and Years	Between	fwelve and n Y cars	Between and Eigh	Thirteen teon Years	Above Ye	lighteen ars	Number o	Total of 1 rions	empleyo
	At Work	Empty	Moles	Females	Majes	Pemales	Males	Females.	Males	Pemales	Males	Females	TOTAL
ENOLAND	radazia	numper	number	number	samber	sumber	aumber	numper	number	number	number	number	numbra
Chester	109	1 7	42.	106	1445	1206	3,07%	4 315	9 971	10 069	15,516	15 995	31 512
Cumberland	15		8		57	38	169	832	892	65%	625	1 032	1 658
Derby	92	3	183	1,2	504	861	1 073	1 994	2 855	3 556	4 614	6 34	10 830
Darban	1		i i			э	1	. 11	8	ม	9	21	33
Lancaster	653	372	\$\$06	1,83	6410	5261	18 655	20 365	84 071	34 615	60,1 <i>ა</i> 1	13,254	172 412
Lescenter	ŕ		9	1	66	17	180	60	10	158	323	207	593
Middlese x	7	1	92		24	1	109	14	62	119	217	133	350
Notungham	80		17	23	63	131	138	382	250	706	481	1 242	1 7 98
Stafford	13		2	78	67	118	991	403	409	705	74.)	1 *99	2 (148
York West Riding	146		469	387	589	533	1 632	2,031	2,537	\$ 73	5 187	\$ 724	10,91 i
Torat England	1070	42	4030	3073	9196	7865	28 9/4	20,869	50,675	58 410	87 6 5	94 317	189 005
Wales (Flint)	5	1		1	86	33	140	208	350	459	452	ഞ	1 151
Scotland	150	1	454	038	1256	1832	2 845	, 597	6 168	12,403	10,529	22,051	32 586
Ireiand	38		14	58	153	181	\$86	561	960	1,553	1 639	2,672	4 311
Total United Eincdom	1252	43	45:28	3689	10 663	4911	27 251	38 235	56 053	67,824	100 4,35	119 639	320 134

STATEMPNT of the Number of Cotton Factories in Operation in the different Parts of the United Kingdom with the Number and Ages of the Persons Employed therein, ab tracted from Returns made by the Inspectors of Factories in 1885

COUNTIES	MIL	LS	TOTAL P	BRSONS RM	PLOYED
COUNTIES	Working	Empty	Mele	Female	10741-
ENGLAND	number	number	number	appler	oumb r
Cheshire	154	19	17 676	18 670	36 352
Comberland	13		720	1 704	1 145
Derby	85	10	4,231	6,231	10 462
Gloucester	1 1		15	14	29
Lancaster	1 125	61	69 879	82,924	132 10
Leicenter	1 3		54	190	244
Middlesen	1 11		283	150	539
Nortoly	5 I		6	124	120
Nottinguam	13	{	454) 1096]	1 160
Shropshire	1 1		15		39
Stafford	1.5	ł	734	1,844	20.8
Surrey] 3		78	110	188
Warwick	4		43	41	84
York	160	5	4 662	8,5 7	12,43,5
Torat	1,598	89	90 856	116 280	218 186
WALES					
Fhat			376	634	1 010
SCOTLAND	1 .	i			
Aberdeou	4		346	1444	1 740
Ayr	1 4		260	6.13	053
Bute	2		184	271	485
Dumbarton			510	854	1.464
Dumfries	l i	1	0	96	104
Kirkeudbright	107		7	97 14 250	[4 20,254
Lanark		4	6,008	4 250	20 254
Linlithgow Perth	4		45	1163	17.4
Replrow	58	1	2 //54	5 297	151
builing	3		2459	434	601
TOTAL.	192	6	10 944	24 624	35 68
Inglanp Antrim	10	Í	634	1364	2.000
Armagh			75	134	210
Cork	1 1	1	19	35	55
Down] 3		250	307	\$97
Dublin	1 3	1	90	252	342
Killaro	1		93	154	24
Mayo	1 1	1	3	27	20
Queres a Constr			12	38	5
Queen & County Waterford	i i		514	495	1911
Wexford	i	(43	48	νi
TOTAL.	24		1 761	2,837	4 672

SEATEMENT of the Number of Cotton Mills and the Persons Employed in them during the Year 1839

	Eng	LAND	w.	1.84	Scor	LAND	Iset	AND	UNITED	KINGDOM	
Mills at work 1598 Mills at work 1598 Mills empty 88		98	BUN C	ber 5		aber 93 6	104 2	ber 4 1	number Jalo 95		
	Engines	Power of Pagines.	Engines	Power of Engines	Bugine	Power of Engines	Engines	Power of E gines	Engines	Power of Engines	
Steam power Water power	1422	40 560	7	103	193	5619	19	617 572	1611	46,827	
PERSONS EM	Males	Females	Males	Females	Males,	Females	Males	Females.	Males	Females	
PLOYED	number	numbi r	number	number	number		numb r	number	number	number	
Under 10 years	1 022	673	1 7	1	79	57	1 1	- I	1 109	731	
10 to 11	14.1	080	14		147	1 3 50	8]	9	1 018	1 109	
11 12	1 7	1 178	14	5	160	170	9	1	1 870	1 354	
12 13	2 527	1 45	14	23	240	254	19	943	2 509	2 027	
13 14	9 92	104 6	GP	56	1 308	2 159	13	243	11 442	12 .34	
14 15	9 159	10 068	16	53	1 1 4 4	2,914	3.58	231	7 903	14, 60	
15 46	7 009	J, 58	14	46	818	1 975	150	1.02		16 192	
		8 117	9	43	534	1 540	105	201	4 960	9 584	
	4 4 16 5 (Wii)	470	28 8	59	396	1 654	60	250	0446	11 735	
	3 6 13	7 873		48			55	191	4 071	9 946	
19 10	3 7 9 5	0 974	10	48	311	1 835	80	226	4 0/1	5.18	
Si and upwards	44 519	44 167	164	17	5 116	85,6	853	1023	50 .52	53 971	
TOTAL	\$9 836	118 280	376	684	10,944	24,624	1765	2857	112 941	146.393	
Torat m les an- fem les		1 1 36	IC	10	1 3	,568	4	628	23	9 336	

STATIMENT of the Number of Cotton Factories in Operation in different Parts of the United Kingdom, with the Number and Power of the Engines, and the Number and Ages of Persons employed therein in the Year 1839

⁴ The numbers given in the foregoing summary have reference only to those branches of the cotton manufacture which are carried on in spinning and werving iccores and do not include the persons employed in priating and diveng, nor the numerous hand loom veceves, with many other branches of the manufacture, and the great numbers take are otherwise directly or indirectly dependent upon if for support

Mr M'Culloch has estimated "allowance being made for old and infirm persons, children, &c., dependent upon those actually employed in the various departments of the cotton manufacture, and in the construction, repairs, &c., of the machinery and buildugs required to carry it on,' that the entire cotton manufacture "must furnish, on the most moderate computation, subsistence for from 1,200,000 to 1,300,000 persons '

By Mr Stanway's method of computation, we find that, for spinning the quantities of cotton used in 1801 and subsequent periods, the following number of persons would be required -

YFARS	Prou	YFARS	l erzo	YEARS	Per ous
1401 1 cr 1611 161	Dun ber 96921 29626 44873 48094	18 1 18 f 1831	D mber 64 257 80 318 135 742	1896 1 30 1644	pu i ber 153 304 174 463 275 808

Beginn ng of Peace In 1814 the last year of war the number would be 25,715

"These numbers are exclusive of the persons who were employed in weaving in factories, and who, according to Mi Stanway's estimate, amounted, in 1832, to 75,055 "It would by no means formsh a correct view, however, if the amount of labour required for the conversion of the given quantities of cotton into vara at the above mentioned periods were taken at a uniform rate The vast improvements made during late years in the machinery applied to spinning has caused such an economy in the application of labour, that not one half of the number of perions is now required for carrying forward the various manufacturing processes with a given weight of cotion, that were employed for producing an equal result thirty years ago. This fact will be sufficiently illustrated by the following statement, taken from the books of Mr Thomas Houldworth, an eminent cotton spinner of Manchester, and laud before the Committee on Manufactures, Commerce, &c., which sat in 1833. This statement will further show accompanied the introduction of improved machinery the actual money earnings of the operative spinner are greater now than they were at the beginning of the century and that his command of the necessaries of life places him in a far more advantageous position thas how the occupied

ABS	Worktu hynteS perW	PIDI ET		Wa	Vages par Week			Hours of Work	of Greinwich Ho Work Records					
X B	Quantity	Quality	C.A	65	Piere	Ce74	N	nt.	Week	Floper \$	onr sack	Flesh per lb	jus of Ficar	its of Flesh
	Ibs	Nos		d		đ		d.	number			d d	number	number
1801	32	160	60	0	27	6	32		71	83		6 to 7	117	6.4
	9	200	67	6	81	0	36		74	63		6107	124	73
1814	18	380	72	0	27	6	-14			70		8	1 1 5	67
	1 234	290	- 90	D	J 30	0	60	0	74	1 70	6	8	239	1 90
1833	924	180	54	8	21	ō l	33		69	45		6	210	57
. 11	19	960	63	з	92	6	44	ġ	69	1 45	0	6	267	85

'The sack of flour is taken at 280 lbs.

"The above is the result of an average of several men's work at the different periods"

In 1833, the number of hours employed during the week was 69, instead of 74, which it had been in the former years But for this reduction in the time of working, the nett earnings would have been for No 1860, 36s 1d, and for No 200, 45s 10d, and the quantities of flour and meat would have been for No 180, 224 lbs and 72 lbs, and for No 200, 285 lbs and 91 lbs respectively

Mr Babbage, in his "Economy of Manufactures," gives the following state-

"A machine, called in the cotton manufacture a 'stretcher,' worked by one man, produced as follows -

YEARS	Pounds of	Roving Wages	Rate of Earming
	Cotton Span	per Score	per Week
16/0)1511 1 13 1824	400 696 830 1960	x d 1 34 0 10 0 9 0 4	* d 25 10 26 0 91 101 31 3

"The same man working at another stretcher, the roving a little finer produced -

YEARS	Po inds of Cotion Spun	Roving Wages	Rate of Earning per Week
1623	900 1000	\$ d 0 Tê 9 T	2H 1} 2H 1} 27 6
182 1632	1 00 1200	0 6	30 0 20 0

"In this instance, production has gridually increased, unull, at the end of twentytwo years, three times as much work is done as at the commencement, although the manual labor employed remins the same. The weekly errangs of the workmen have not fluctuated years much and appear on the whole to have advanced but it would be imprudent to push too air reasonings founded upon a single instance.

I he produce of 430 spindles of 'mule-yara spinning, at different periods, was as follows -

YEARS	Hasks about forty to the pound	Wages per lio sand
1 %46 1 23 1812	6 688 8 090 10 109	8 d 3 2 1 3 3 8

⁴ The subjoined view of the state of wearing by hand and by power looms at Stock-port, in the years 1822 and 1832 is taken from an enumeration of the machines, contained in sixti-five factories, and was collected for the purpose of being given in evidence before a committee of the House of Commons

DESCRIPTION	1622	1832	Decrease and Increase
Baniloom weav ra Perso tuop er lona lers na to dras the warp	2500 65 08	number 800 30 J 388	n mber 2000 decrease 249 increase, 200
Total persons employed P we 1 ms	3.55 1970	4 47	672 increase 5 07 n

During this period the number of hand-looms in employment diminished five securitis, whilst that of power-looms increased to more than five times its former amount. This total number of workmen increased about one-third, but the amount of manufactured goods (supposing each power loom to do only the work of three hand looms) was three and a hult increas a large as it was before

" In considering this increase of employment, it must be admitted that the 2000 persons thrown out of work are not exactly of the same class as those called into employnicht by the power-looms A hind weaver must possess bodily strength, which is not essential for a person attending a power loom, consequently women and young persons ot both sexes from fifteen to seventeen years of age find employment in power-loom Lictories This, however would be a very limited view of the employment arising from the introduction of power-looms, the skill called into action in building the new factories. in constructing the new machinery in making the steam engines to drive it, and in devising improvements in the structure of the looms, as well as in regulating the economy of the establishment, is of a much higher order than that which it had assisted in superseding Nor in this view of the subject must we omit the fact that, although hand-looms would have increased in number if those moved by steam had not been invented, yet it is the cheapness of the article manufactured by power-looms which has caused this great extension of their employment and that, by diminishing the price of one article of commerce we always call into additional activity the energy of those who produce others. It appears that the number of hand looms in use in England and Soutland in 1830 was about 240,000 nearly the same number existed in the year 1820, whereas the number of power looms which, in 1830, was 55 000, had, in 1820, been 14 000 When it is considered that each of those power-looms did as much work as three worked by hand, the increased producing power was equal to that of 123,000 handlooms. During the whole of this period the wages and employment of hand loom weavers have been very precarious

In the cotton mill of Messys Houldsworth's, in Glasgow, a spinner employed

on a mule of 336 spindles and spinning cotton 120 hanks to the pound, produced, in 1823, working seventy-four and a half hours in the week, forty six pounds of yarn his nett weekly earnings for which amounted to 26s 7d In 1833, the rate of wages having in the meanwhile been reduced thirteen and a third per cent, and the time of working having been lessened to sixty mine hours, the spinner was enabled, by the greater perfection of the machinery, to produce, on a mule of the same number of spindles, fifty two and a half pounds of yarn of the same fineness, and his nett weekly carnings were advanced to 29s 10d

But a much more considerable economy than this has been produced in cotton mills by increasing the size of the nulls Mr Cowell gives the following example of the effect of this improvement, as regards the cost of the yarn and the earnings of the spinner -

"In the year 1833, in two fine spinning mills at Manchester, while I was in the town, a spinner could produce sixteen pounds of yarn of the fineness of 200 hanks to the pound, from moles of the productive fertility of 300 to 324, working them sixty-nue hours, and the quantity that he turned off in sixty-nue hours more frequently exceeded sixteen pounds than fell short of it

"These very mules were being replaced by others of double power while I was at Manchester Let us examine the effect on the spinners earnings' in the early part of last year he produced sixteen pounds of yarn of No 200, from mules of the power of 300 to 324 spindles Consulting the list of prices, I perceive that in May he was paid 36 of a pound, this gives 544 sfor his gross recently, out of which he had to pay (I will put the amount high) I as for assistants This leaves him with 41s earning. His mules have their productive fertuitly doubled, they are converted mit mules of the power of 649, he is now pind 2s 6d a pound instead of 2s 6d, but he produces thirty-two pounds of jarn of the fineness of 200 hanks to the poind in sitty-mule hours, his gross receipts are immediately raised to 77s 4d I will now admit that he requires five assistants to help him, and averaging their cost at 5s a piece, their labour will cost him 25s and to avoid all cavil, I will add 2s earts the earnings for sixty nine hours work instead of 41s, a nuicrease of more than thenety per cent, while the cost of the yarn is reduced 13d per pound "

Mr Porter remarks,-

"An effect such as has just been described can only be produced while the trade is an a course of rapid extension. If the productive power of the machines were doubled without a corresponding increase in the demand, it is clear that the operative spinners could not receive a greater amount of weekly earnings, but that, on the contrary many of them would be thrown out of work, and a competition for employment would thence arss, which must occasion a reduction in their actual receipts. Considered in this point of view, the prospenty of this branch of national industry becomes a subject of the greatest importance—an importance for beyond all calculation of mere shillings and pence. The tendecox of all improvements in the various processes of the cotion manufactore is the abridgment of human labour, but hitherto such has been the greature progress of the trade, as to give full employment to the bands who, in a less prosperous state of things, would have been thrown out of work. Nor is this all. The assistants of the spinners, who, from their occupation in poinning the threads broken in the spinning which thus employed, qualifying themselves to become spinners when they grow up thietror the demand for workem of it tak thad has been sufficiently great to absorb all who have thus been qualified, and to cause them to receive, as spinners, adequate and even liberal wayse? Preceives are gevenally employed in the pronors, adequate and spinner, but one of these four is generally a guil, who does not in after life become a spinner but is transferred to some other department of the mill. It is further probable that if the three boy one may cease to nork in a factory, but even then the number of candidates for employment as spinners will be continually doubled in the course of a few years and it we had no other means for ascertaining the progressive extension of the manufacture the fact of the continual theoretion of these fresh hands would prove how great that extension must be —thit it must have continued with a constantly socielerated speed in order not to lower the eatings of the operative spinners, whose ranks are thus increased in a _cometrical tatio

"Provided nothing shall occur to prevent the cotton manufacture of this country from developing itself in the same extraordinary manner as it has done during the last thirty years, the new candidates for employment will of course receive the same encouingement as those have experienced who have preceded them "

COUNTIES	Cotton	W ollen	Sill	Flax	Mixed Goods	TOTAL.
	number	humber	number	number	number	nı mber
Aucaster .	6116	3149	366	1	1 1	62 684
h moreland		8				8
`b 1 F	23 + 91		414	1	+	22 913
) T Y	1 4.4		1 Gta			2 509
fork	4131	3 70		1		7 809
aff ind	236		119	1	1 1	455
Pr p		1	80	1	1 1	80
503	1		105			109
unt		1	1 100	12	1 !	12
4 6%er	1 40	1 80		36	1 1	10
fiddlores		~	1		1 1	1 0
Nortoik			360		1 1	300
	1			1	1	
en (-	4	16		1	230
wick.	1			1	25	23
re tr	((7	1	1 1	2
laetr	1	4				4
long a ry		1 4				4
mb riand	158		i	1	1 1	186
turbant				20		ذلا
orthumler land	(6	1		1 1	6
TOTAL in England	90 79	5105	1714	41	25	97 564
an rk	14 65 4	1				14 089
lonire v	1.3.0	1		42	1 1	1 365
ind arton	5.14					634
i t	G 1	1		1	1	94
Ť	716					736
th adbracht	1 50	1				14
e fl	421				1 1	421
berdeen	248	1		144	1	3 0
loxburgh	***	2		144	, ,	22
-						
Toy at in Scotland	17 541	1	1	108	1 1	17 792
Vaterf mi	439		1			330
(ord	67				1 1	
tide re	52	J			1	52
thin	2.1			[1 1	23
trup	340	1			1	340
- W	42	1			1	425
	10	1	1	1.44		
rmagli	10			100		270
Torat n Jreland	1416	1		130		1 5 1 6

STATEMENT of the Number of Power Looms used in Factories in the United Kingdom, at the end of the Year 1835, distinguishing Counties, and the Branch of Manufacture in which the same are used

SUMMALI

COUNTILS	Citton	Wootl a	5 h.	PIX	Mixed Cond	TOTAL
inghaul Se tha I Ingia i	1753L	pamber 115 2	bustr Ila	nun ber 11 168 169	2 2	nomber 9 3 6 17 21 1 510
(nite () do n	1 169.025	\$197	3714	909	25	115 801

Fi ma i is used are not to cotton slik and India subher thread the articles manufactured are gurbs b it. I see, garters and the like

Cotton Printing —Anderson, in his "History of Commerce," states that cotton-printing was first practised in London in 1676 The first cotton-printer in England is said to have been a Frenchman, whose print ground was at Rich mond, on the banks of the Thanes Owing to the interference of Parliament, first by the imposition of heavy duties, and afterwards by more direct restrictions, the trade was destroyed in 1720 in order to encourage the silk and woollen manufactures The restriction against wearing printed fabrics, of which cotton formed a part, was repealed in 1736, and it was computed that, in 1750, as many as 50,000 pieces of goods, made of linen-warp and cotton-weft, were printed in England In about fifteen years after, printing woven fabrics was introduced into Lancashire "The excise duty imposed upon printed cottons, up to the year 1831, when the duty was wholly repealed, affords the following results —

	Yards
The quantity printed in 1796 was	20 621 797
In 1800 it had increased to	32,869 729
In 1814 it had further increased to	124 613 472
And in 1890 it had reached to	347,4.0 299

being more than ten times the quantity printed at the beginning of the century, while, on the other hand, it is less by 55,971,101 yards than the quantity exported in 1844 The quantity printed in 1830, after providing 199,799,466 yards for exportation, left 147,650,833 yards for use at home

"The substitution of metallic cylinders, on which the patterns are engraved, in place of wooden blocks, was first practised about 1785, and at once effected a great saving The process of engraving the entire surface of these large cylinders was, however, a very expensive operation, it was consequently a more important improvement when the system was introduced of engraving the pattern upon a small steel culinder, and thence transferring it by pressure, first to softened steel, and then, this being hardened, to copper cylinders, in the manner which has since been used for multiplying plates used for printing banknotes By this means the engraved patterns can be transferred to almost an indefinite number of cylinders at a triffing expense The small cylinder upon which the engraving is first sunk is called the die, the second cylinder to which the pattern is transferred in rehef is called the mill This, when hardened, will give the required impression to a great number of cylinders made of the softer metal, and as the die can likewise be made to give up its pattern to several mills, a sufficient number of cylinders can always be produced from one engraving

"The introduction of this great improvement took place about 1808, and has had a powerful effect in extending the trade of the country At this time, cylinders thus made and engraved, after the novelty of the pattern is gone by in England, are exported to various parts of Europe and America

"At first, only one colour could be imparted to the pattern on the cylinder, and if more than one colour were required, it was necessary to resort to a different process, and to print the several colours by different operations This disadvantage was at length partially got over, so that, five years ago, printers were enabled to impart two, and even three, colours by means of cylinders, and it is now common to print five colours at one operation The vast improvement which has latterly been produced in the style and execution of printed cotton goods is matter of such common observation, that it cannot be necessary to enlarge upon it here, but for it, the cotton manufacture could not, in this branch, have stood against the powerful rivalry to which it has of late been subjected by our silk manufacture This improvement has been assisted by the discovery of a method for imparting to cotton fabrics the brilliant red colour of cochineal, which was previously applied to woollens only This is effected by simply passing a current of steam on to cloth to which the cochineal-dye has previously been applied, that process of fixing the colour "-Porter's Progress of the Nation

Cetton Hostery -- Mr Felkin, of Nottingham, has with great care given us many interesting facts relative to this very important branch of industry

The chief seats of the hostery manufacture are the counties of Derby, Nottingham, and Letee-ster, in the list named of which nearly all the frames in which wool is employed are to be found, while Nottingham contains the largest number of frames for the production of cotton hostery. The use of sulk in this branch of manufacture is almost wholly confined to Derby and Nottingham.

Blickner estimated that in 1812 there were 29,590 stocking frames at work in all the branches. Thirty years before that time the number had been estimated at 20,000 If we are to judge from the localities assigned to the frames in 1812, it would appear that rather more than one-third were employed in producing cotton hose, and that about one-half were used for woollen goods, but no very accurate estimate of the proportions can be formed from the locality of the machines In 1833, a meeting was held of delegates from the frame-work knitters, when a resolution was formed for dividing the seat of the hostery manufacture into districts, with the view of obtaining, among other thenes, exact details of the number and description of frames, the amount of labour employed in them, and such further particulars as might enable the workmen to co-operate for the more effectual protection and advancement of their interests. The resolution thus formed was not, indeed, carried into effect in the mannel nor with the objects proposed , but was of advantage, by its having been the means of drawing the attention of Mr Felkin to the subject, who drew up an estimate of the extent of the manufacture in its various branches,

which was believed to present a sufficiently accurate approximation to the con dition of the trade at that time to answer all practical purposes

In 1812, Mr Blackner estimated 29,590 frames as the total of what were used in the United Kingdom Since then, many frames have been widened so as to make two stockings at once The quantity of cotton hosiery goods made in 1833 was estimated by Mr Felkin to have increased more than fifty per cent in the preceding twenty years The use of cotton stockings has, during that time, been superseding those of woollen to a great extent among the female put of the population

Stockings, weaving or knitting, is carried on in the dwellings of the workmen, some of whom possess frames, which are their own, but the greater part work on frames which belong to the master-manufacturers, by whom the workmen are employed, and who are paid by the weaver a rent varying from forty shillings to five pounds per annum

Mi Felkin's statement, as extracted by Mr Porter, gives the following results ----

Each narrow totton frame produces about 40 dozen of hose a year if of women s are wide cotton frames 300 merrow worsted 75 wide worsted 150 and sit 30 There are-

Frames.	Employed in Manufacturing	Number Manufac- thred	Consump- tion	Material	Value	Wages for Making	And Fixishing	TOTAL.
J0,300 6,0en 4,500 1 001 4,300 1 900 3 900	fabric Fashioned cotton hase C it up Ac Pashioned worsted Cat up, Sc. Angola Lamb s wool Silk	dopen 4x0.000 1.960.000 1.00.000 1.00.000 93.000 1.35.000 90.000	104, 880.000 2,,40,000 2.840,000 400.999 332.500 639.500 10,,000	Cotton yara Worsted 	23 000 17 009 284 000 40 000 45 000 80 000 120,009	£ 210 000 21 000 21 000 30 000 30 000 40 000 40 000	£ 33 000 98 30 41 140 10 30 11 000 11 000 13 000	£ 32 090 5 5 090 80 090 104 010 14 090 241 660
33 000		3,510,000	8 137 000	·	814 0/0	948 090	3 9 000	1 991 000

According to this exicultion the value of the outers howingy associate as 40000 and of writed According to this exicultion of the outer gravit is the second to be of the outer one would write \$12000 are used as \$14000 for all years all (two-file) Chan and threading the \$1000 are used to \$1000 km of years all (two-file) and the second to be define to \$0000 million \$12000 km of the second to \$1000 km of th

There are complexed in the or various processes as follows viz ... In outcom-spinning deaking sec. 3000 worked carding spinning & 2 work working throwing for 1600 6.3000 In making (+1.000 more the or 1600 worked and works as dealibres in section of the original sectio

Turat persons employed 73,000

The capital employed in the various branches of the trade may be thus estimated taking the machinery and frames at acidor there o joins loss nor actual selling price but at their working value and the stocks of howery on an average of several years in-

Capital Inve ted in Mi Machinery	Capital Inves	letin b≺ock	Capital Invested in Fi	Value of Lroc	Gn 1 a id Stock		
šor preparing cotton worstad &c silk.	£ 70 000 42 000 18,480		150 000	Narrow cotton frames W do ditto Narrow worst of frames Wide ditto Silk frames	1 000 50 X00	Gands "	3 -0 000 34 (×0 85 000
Pixed capital in mills &c in frames Tursi of fixed capital	341 000	Floating capital i spinning &c	370 000	fixed capital in frames			2000/4 000

DESCRIPTION OF GOODS	Derby	Notting ham	Leicester	Other Erglish Counties	Ireland	Scotland	Total Number of Frames.	Weight of Material	Value of Matorial.	D zens produced	Wages	Charges of Finishing and of Sale	Market Yalue of Pinisbed Goods
\$11.K	number	number	Dumber	number	number	nomber	number	ibs	*	dozen	6		£
Wrought hose socks, and balf hose	650	346	}	50			2,055	43,750	52,090	44 000	26,230	h	
Sperious including purses and pun sik Glo cs Ribbed tops	100 698	198 1 407	101	40	20		862 2,205	20 000 77 \$10 7 000	7 500 92 652 7 014 {	40 000 380 000 must not be	11 000 77 210	85 617	883 763
	1454	2 094	104	99	20		3 771	147 900	159,256	reckoned 470 000	118,880	ľ	
COTTON									<u> </u>				
Wrought hose socks and half hose Sphrious, drop off cat up	3900	5,544	6,448	682	44	240	16,820	\$,500 000	\$11 000	930,600	859 200	h	
dioves Gioves Druwers caps aborts, &c Fancy goods	\$55 \$18 7	4 547 649 1 062 438	487	84	100		4 936 1,336 1 280 445	\$ 016 000 812 000 672,000 90 000	77,600 14 560 25 500 4 100	1 934 000 534 040 96 010 78,000	148 000 40,000 88 400 13 350	166,410	995 700
W00L.	4380	19 440	6,983	686	144	240	24,823	5,590,000	233 200	2,872,000	599 050		
Worsted lambs wool and merino wrought hose and sorks Sparions Gloves Drawers shurts &c Faucy goods	2	61	7 061 1 798 923 1,3r1 514	162 0 15	8 10	9165 200	9 456 2,014 923 1,376 314	} s 000 000	050,0vr{	1 050,000 7 0 000 370 000 120 000 100,000	189 000 61 000 98 000 41 000 10 000	244 750	1 923 750
FLAX	2	61	11 467	183	15	2365	14 083	8,000 000	650 000	2 360,000	829 000		
Wrought hose					60		88	9 000	3,000	S 600	\$,200	1,800	6,500
TOTAL	5386	14 595	18 494	955	265	2605	\$2,763		1 045,4 0	\$ 705,500	1,049 130	468 127	2,562,713

TABLE exhibiting Number of Hosiery Frames in the United Kingdom, and Average Quantity and Description produced.

CULTIVATION, SUPPLY, AND MANUFACTURES OF COTTON

Boldmet Manufacture — This ingenious and most important branch of industry has, during the present century, risen from almost nothing to a branch of industry which, according to the memorial presented to the Treasury by the principal manufacturers, afforded, in 1834, employment to from 150,000 to 200,000 persons, to whom the annual average wages, amounting to about 2,500,000 has been paid

Bobbinnet, or net-work lace, by means of machinery, is said not to have succeeded until 1809, when a rude machine, very inferior to the improved machinery now employed, was protected by a patent, by which its proprietors, during its continuance, accumulated a large fortune The machinery now in use, with equal manual labour, yields twelve times the quantity of net which was previously made at an unprecedented diminution of cost, that is to say, a quantity for 2s 6d, which, during the patent, was sold for 5l

Capital Employed in Spinning and Doubling the Yarn	Value	Capital Employed in Bobbinnet Making	Valuo
Proof capital in 25 spinoing and 94 doubling factories - 7 4 000 spinning 206,700 doubling spindles Ploating capital in spinoers and doublers stock and necessary southies Dedact one dith caployed for foreign bobban bet making	715,000 200 000 915,000 155,000	Fixed capital in hand-machines, averaging 9	170 000
Total capital employed in spinning and doubling for English bolikingst trade	760 000	Capital in embroidering preparing and stock	1 683,000 250 000
		Total capital employed in the trade	1 932 000

STATISTICS of the Bobbinnet Trade in 1836, by Mr Felkin

COTTON YARN	Hanks	Value	Value	Goods	Value
lbe	number	14	\$	Brought forward-	£
6 000	130	76	9 250	Nett value of yorn	620 (16
10 000	140	1 á ó 1	4 000	Vaiue of silk used	40.000
73 040	150	1 8 0	32,819	Wages interest wear & tear &c.	32 234
85 000	160	1 96 1	40 375		
05 090	170	10 7	50 270	Value of rough goods	1,392,80
250 000	180	12 0	210 000	200,000 pieces gassed 3d	2 500
250 000	190	14 0	175 000	and 000 bleached 10d	12 .00
950 000	200	16 0	176 000	ano, one dressed is 9d	2/ 600
60 000	\$10	18 6	\$5,500	One third figured cost	350 000
0.000	920	21 5	9 563	200 000 piecar wide-pets finished	
				- 4 6	15 000
J 160,000			2757.0	100 000 pieces, quillings 3s	15 000
	2	0 per cent discou	at 151 154		
		•		1	1 813 830
Carried for	vard Nott vi	ulan of yarn	620 016	1	

The Value of the materials used was as follows -

THE Number of Machines, exclusive of 165 not at work, was 8,047, of the following Descriptions —

MACHINES	Rotary	Circular	Lover	Travers Warp	Pusher-Crecian	FOTAL
Pisio Quitting Pancy	number 19.3 247 45	humber 110 118 159	namber 16 701 448	number 189	number 165	20mber 1425 1124 908
TOTAL	1585	420	1285	152	165	3547

P▲RTS,	Plan.	Quillings	Fency	TOTAL.	Quantity of Yero used.
Nottinghamsbire Le c stershire Derbyshire West of England	Bumber 372 207)93 654	number 1006 37 49 30	number 782 90 14 103	number 9100 343 255 787	1bs 640,000 100 000 100 000 320,000
TOTAL	1425	1122	998	3.45	1 169 000

THE Parts of the Kingdom in which these Machines were employed, are--

THE Quantity and Value of the Rough Goods produced by the different kinds of Machines were --

MACHINES	Quantity	Volue	MACHINES	Quantity	Value
Rotary Lever Circular	square ysrds. 15,82 848 8 327 140 9 627 137		Brought forward Pusher Greena Travers Warp	square yards 26,782,925 811 650 325 188	£ 1 281 078 41 574 54 128
Carried forward	25 (82,225	1 28 0"8	TOTAL	27,919 063	1,376 850

THE Number of Machine Owners was then 837, of whom

302 possess only I machine.	5 possess from 31 to 40 machines
203 2	4 41 to 50
212 from 3 to 5 machines,	5 51 to 100
69 6 to 10	l possession 104
94 11 to 20 p	l 190
10 21 to 30	and l 200

THE Power of the different kinds of Machines as to the Width of the Bobbinnet produced, was --

Width stated in Quarters	Botary	Corcular	Lover	Pasher Gracian	Travers Warp	TOYAL.
4 Quartor 5 7 " 8 10 10 11 13 14 15 15 16 28	12 26 19 406 19 313 41 623 17 4 1 22	Dumber 8 52 57 240 82 5 3 3 4	2000 201 201 201 201 201 201 201 201 201	number 5 24 51 25 18 8 16 7 6	number 2 3 117 20 9 1	anmber 8 51 365 257 1084 148 545 545 179 546 99 9 3 3 81 2
TOTAL	1865	420	12/5	165	152	3547

"The wages of persons employed in the different branches of the manufacture varied according to the kind of work produced The nett earnings of

Men are	from	12\$	to 35r	per v	week,	averaging	about 16s	
Women	"		to 12s		,	"	68	
Chuldren		35	6d. to !	38	,		24	6d.

"Successive improvements in the arrangements of the machines had caused those first constructed-the Travers' warp machines-to go out of use, and a

ORIENTAL COMMERCE

great number of them, which had cost 8007 each, were sold and broken up for the value of the iron which they contained Very recently it has been found, that by a slight alteration these machines may be adapted to the production of fancy nets, such of them as remained have been thus modified at a small expense, and employed for the production of fabrics of continually-increasing beauty and value "

Mr Felkin furnished Mr Porter with the following particulars respecting the position which this manufacture occupied in 1844 ----

"The number of milis for spinning and doubling fine yarns is greatly increased since 1836, but the increased product is chiefly employed for warps in Bradford, Coventry, and Spitalfields, for the production of mixed goods The capital employed in producing yarns for Ecglish lace is about the same as in 1836—

CAPITAL AND MACHINES	Amount	Amount
	£	£
say capital in 1844 Pixed capital in 45 factories Fixed capital in 1760 steam power machines averaging thirteen	90 000	760 000
quarters wide	280 000	
wide	150 000	
Ploating capital in rough goods in process of making	500 800 }	
Plaating capital in process of embroidering and finishing	200 000	
		1,390 000
Total capital employed in the trade	1	2 080 000

"The only improvement introduced since 1833 in the machinery for making plain nets has consisted in a contrivance for obtaining greater speed in the working." Several patents have been taken out for improvements in the style of the goods produced, and for modes of adapting the jacquard frame. The main object sought by the patentees has been the introduction of patterns in close initiation of pillow lace, and especially of Netherisand lace, and their success in this object has been prevent.

"The cheapness of these beautiful fabrics is calculated to excite astonishment A yard in length of 12 quarter wide plain net may now be booght for one shilling A yard of platt net, of the same width, is worth from 203 to 54 The machine employed to make the former would cost in its construction 2560, while the platt net machine would cost from 500 to 1000. Fancy goods of all qualities, from one farthing to 20s per yard, are at all times being made, and often in the same establishment

"In 1837 the fancy productions of Nottingham were so far out of favour with the public, that the embroiderers were reduced to one third of their former number, and those employed were earning miserable wages, but during the last three of four years so great has been the improvement in the taste and style of those goods, that the demand for them has been continually increasing at rising prices, and the wages of the workpeople have risen proportionally. This result has principally been owing to the application of the pacquard machine to this branch of manufacture, a result which has not been accomplashed without great difficulty.

"The warp lace manufacture is usually carried on separately from the bobbinnet branch. The machinery engaged in it is chiefly employed by fifteen firms in the town of Notingham and the neighbourhood

"The warp-machine, which is a very beautiful modification of the stocking-frame, is used for the production of articles of the most vaced texture, from the stoutest dolth to the lightest goasamer network. There are either plan or fancy goods for the latter kind the jacquard machine is connected with it, and very splendid patterns are thus produced At this time (September, 1845), 800 warp frames are employed in making lace goods, 300 being worked with silk, and 500 with cotton yara. These frames would cost in their construction about 100,000/ They give employment to altogether about 4500 hands, viz -

200 overlookers miths &c	at 40s per week
180 machine hands	30
400 datto	25
500 detto	20
500 ditto	15
1000 females mending putting up &c	10
1500 females and children trawing, carding &c is 6d to	8
200 children winding	3
100 bleachers dressers clerks ac at various wages	

"The sum paid in wages during 1844 was about 165,0001 The materials used in that year were 40,000 lbs of raw silk, value $30\,0001$, and 600,000 lbs of raw cotton, value $25\,0001$ Tbe finished goods were of the value of 350,0001, viz —cotton goods, 200,0002, and silk goods, 150,0002

MACHINES	Consumption	Number of Yarn	Cost	per lb.	Value	Value in Bough Goods
500 common plain cotton net 200 finer dato 100 Brussels ground dato 600 expensite fancies dato 300 plun silk ost 30 fancy ditto. 1750 gram-power machines	10s 570 000 120 000 50 100 240,000	120 200 2 0 190	4 10 18 10	4 6 0 0 0	£ 128,250 60 000 45 000 120 000	32 236 000 100 000 75 000 450 000 300 000 50 000
850 cottou fancies 250 c vicio quillings 369 plun cotton 10 mlk fancios	640,000 150,000 180 000	140 170 180	5 7 8	6 9 0	1,6000 52500 73,000	53 900 130 000 150,600 37 000
1450 hand machines	1 2.0 000 Rmbroidering Finishing sale e Produce of plan	npensus interes finished goods and gmbroider			633 750 1 205 000 1 7.0 000	2,179 600 330 099 480 000
	Total returns of			I-	1,10,000	£ 995,000

"Among the machines employed in making fatery goods there were about 120 platt machines and 200 Mechin machines to which the jacquard frame was attached ' The persons employed in making, finishing, &c, the above, and their rates of wages, were as follows —

5800 machine hands viz	100 y usg men 2000 men 1200 , 400 330 y 160 ,	at 1 11 24 30 35 40		r week
TOTAL.	4600			
50 carute men		8	254 1	per week
50 stokers			15 7	
200 warpers			25	
2900 threaders and wi	uders (bess)		5	
650 smiths moulders	NC		30	
150 plint g ide \$c	makers		25	
6400 men lere of rough	i gaods (female)		4	
240 clerk, and warel	ousen b		40	
620 sipple machine o	where and overlook	278	40	
D CANEL FR			5	
80 blea here			13	
0 dressers overlook	era		40	
often ic tr ere			10	
2000 orders drawers	ac (children)		6	
เบบ จากอาณคณมี คงสม	ad falds re		10	
IND DELTA &			(×	
W L Iters			15	
2 16 1678			40	
2 1 1 1 1 10			15	
h m embroiderers wh		ia LO	U U	
59 traveliers at 1904	a year each			

"The produce of the manufacture passes through the hands of about 100 firms, all of whom, except two, are resident in Nottingham

> The raw coffon used was about 2 500,600 lbs cost 230 0004. The raw silk used was about 125,300 lbs. cost 130 0001

"For a small part of the goods made cotton is used, spun into 460 hanks to the pound weight, the price of which is 121 16s per lb

About 720 machines are in the West of England. About 60 machines are in Le centershire 2100 Notilogham and its immediate vicinity

"About three-fifths of the goods made are consumed within the kingdom'

STATEMENTS BELATIVE TO THE VALUE OF THE COTTON MANUFACTURES OF THE UNITED KINGDOM

The Parhamentary returns, Mr Porter's laborous investigations, the statements which Mr MrColloch with the greatest attention to accuracy, Burn's Glance, and Mr Bannatyne's Estimate, afford the following summary of the value of British cotton manufactures, prices, &c Mr Dugald Bannatyne, in the supplement to the "Encyclopedua Britannica," and Mr MrCalloch, in the second edition of his "Dictionary of Commerce," have each estimated the value of goods annually manufactured at above 30,000,000/, Mr MrCalloch estimates the capital employed as follows --

Capital comployed in the purchase of the raw maturial Capital employed in the payment of wages Capital invested in spunning mills power and hand-looms, warehouses, stocks in hand &c	25 4 000,000 10 000 000 20 000 000
	34,000,000

The value of the goods annually produced is by Mr M'Culloch estimated as follows --

Raw material 240,000,000 lbs at 7d por lb Wages of 800 000 wravers spinners, bleachers &c at 221 10s a year each	2 000,000 18,000 000
Wages of 100 000 engineers machine makers an its masons joiners &c at 300 a year cach Profite of the manufacturers, wages of superintendence sams to purchase the materials	3,001,000
machinery coals, &c	6,000 000
	34 000 000

Mr M'Culloch (See "Commercial Dictionary," 1944) estimates the capital employed in the manufacture and of the value of the goods annually made in the following order, viz —

	£
Capital cambred in the purchase of the raw material	\$ 60F 660
Capital employed in the payment of wages	3 300 900
Capital invested in spinning mills, &c.	20 000,000
	34 000 003
Rew material 400 000 000 lbs. at 10d per lb	10,000,900
Wages of 800 000 emphases wear re bica bers &c at "01. a-year each	16 900 000
Wages of \$5 000 engineers machine-m kers smiths museus jonurs do at 30% a year Profits of the manufactarors, wages of superintendence, sums to purchase the mate;	each 2,606 090†
machinery coals &c	8,234 000
	34 000 000

Mr Bannes differs in his details, but corroborates the result given by Mr Bannatyne and Mr M'Culloch -

So in original the price abo	d be probably 6d, per lb	† So in original
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<th>DESCRIPTION</th> <th>V alue</th> <th>Weight.</th> <th>DESCRIPTION</th> <th>Goods</th> <th>TOTAL</th>	DESCRIPTION	V alue	Weight.	DESCRIPTION	Goods	TOTAL
htm: pi(c) datump: pic		£	303 8 1 837	supported n 1832 -	number	anoter
Inc. All to state i Inc. All to state i	harn pi (d ducung l‡ oz per lb fir lose		25 1 4,400	Printed or dyed cot tous yards		
Lable of the "coton west on a second	ano, 40 to the i han' Lang th of yarma ngumi 840 yard			ported by it e manufac		461 045 503
Could 13 74 9% Pictore in England 200 000 Tota 4 00 000 19 43 000 24 000 24 000 Tota 19 43 000 19 43 000 200 000 200 000 In attraction for the summed of the sum	umed at d per lb			humber of operatives in the panuing and weav		1 300 000
7/10 of Torisa. 19 53 000 W agey served by the fac- 287 000 a homos 19 5% odd. 19 % odd. birg operatives 26 044 000 Vial construct of the manifectures in the manifectures. 20 % odd. 20 % odd. 20 % odd.	Coods			Factories in England Somiand	32 090	
Total value of the manufactures £31,333 693	als of manufactures consumed			Wages earned by the fac-	5 600	287 000
pital employed in the mana		12 8"9 603		tory operatives		£6 014 000
	pital employed in the mann					

EXTENT and Value of the British Cotton Manufacture in 1833

PRICES OF COTTON AND COTTON MANUFACTURES

ACCOUNT of the Prices of good Upland or, as it is frequently called bowed Georgia Cotton, in the Liverpool Market, from 1806 to 1815, inclusive

YEARS	3	'nee p	er l	ь	YEARS	Price	per	њ
1990 1 07 18 M 1 01 1 01	1	2 to	1132	4 9 1 7 0 10	1811 1612 1813 1814 1814	 84 19 11	to 1 1 2 8	d 4 114 6 1

PRICE of all Descriptions of Cotton Wool at Laverpool, during the last Week of the Years 1938, 1839, 1840, 1841, 1842, 1843, 1844, 1845, and 1846

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Torat. 44 000 Number of spiniles 9 333,000 power losms 100 000; hand looms 250 000 wages carned by hand looms, 4 375 000?

				Ltv	EB	PO	or	Qu	ota	tion	s, I	Furs	t V	Vee	k o	f ev	ery	Th	urd 🛛	Mon	tb,	darı	ng	the f	alla	win	g Y	ears		_					
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PERNAMBUCO March June September Decomber		75 84	9 94 94	8008		204	104 114 118	12) 526 18 14	13	14				94 74	19 19 19 10	9 9 8	10 10 97 10	9 9} 9	10) 10) 10)	****	97 197 197	87 8 75 7	94 94 9 8	7 61 61	877777777777777777777777777777777777777	5 5 5 5	7 5 7 7	2222	767	*****	64 7 8 7 8	57 57 57 7	78 6 6	74 7 7	8632
Egyptian March June September December		71	9 9 9 9	8 10 13	1	1	144	18 15] 16	1 15	17	11		5 6 6	10) 9 84	16 292 13 18	84 9 AT 11	194 15 18	12 52 11 10	164 17 14 14	8 9 9	11 514 12 19	988 888 78	124 12 11 11	7 5 5 6	10 40 4	6455	8 74 78 8	7000	9999	2022	10 64 10 10	1000	10 94 9 11	33.5	
Best India March Jube September Docember			5050	4 37 4	ŧ	GC 87	54-6 85	7777	0761	6 8	11	5	81 81 81 71	귀가ㅋ~	6 6 6	4 24 28 49	6000	5444	8828	34 4 31 31	5555	44 34 36 3	64 6 54 54	3	5 3 4 4	S 24 25	2222	3222		24 25 25 2	444	22223	4445	244	51

STATEMENT of Cotto	a spun	in Ln sej	gland an parately s	d Scotlar howing t	id in tł he Qui	ne Years antity sp	1843, 11 un in En	344, 18 gland	45, an and ho	nd 1846, w dispos	and the ed of	e Quan	tity of	Yarn pr	oduced ,
			1813			1844		_		1845				1846	
DESCRIPTION	Bags Con sound	Lverage Woght of Bage	Total Weight in Bags	W kly Cen imp tion of Bags it s flut g ach Scrt	Bags Cou sumed.	TOPAL Weihttof Bg	Weckly Lou ump tion of Bags de s rib 1 g each Sort	Con	Average Weight ul B gs	TOTAL Weight of Bags	Weekly Con ump tion of Bag de scribing each bort	Bags Lon Sutbod	Average We ght of Hag		Weekly Can u pp- tion of Bags
Américan Brizilác Frijilan East India Weat India	number 1 137 631 76 597 32,421 109 443 21 612	1/1 284 363	163 424 335 363 13 0 4 037 9 431 61 39 727 804 4 674 6 2	22,306+23 1 501+40 645+16	126107 51257 125341	16 417 561 046 1 64 1 7 14 7 9 349 45 4 19 783 1 014 39	2 482+25	194 019	284 363	158 160 100 502 21 207 249 15 100 468 35,89 : 248 2,829,816	1 963+14	20A 143 65 003 119,780	366	ibs 555 798,692	number 31 795
Total number of bags con sumed Ali wed for loss in spinning 14 oz per ib	1 376 784	857	491 3x8,495 53 739 054	2 ,084	1 42, 422	00,297,320 34 720 040	•	1 577,617		555,527,283 60 760 790	80,933+24	1,561 232		\$55 798,59 3 60 765,483	31 795
Total quantity spon in Eng land an i So tland Diduct pun in Scotland				lbs 437 589 441 37 714 590			lbs 445 177 480 35 582 358				494 765,48" 27 737 022				495 038 169 89 470 160
T tal quantity spun in Rug land		1		399 874 85			409 095 092				407 029 465				455,562,049
ROW DISPOSE Exported in yarn during the D too in thread Ditt in manufactured ge Lationated quantity of yarn and Invited manufact Exported in mixed manufact th abo e named articles of banding huids candle an	year (as p (as p sent to ures not onsumed d lamp w	er No 25) ar No 26) Stotland stated in in colton ick wad	2 674 43 171 032,190 7 650,990			130 103 913 9 731 033 100,520 854 8 821 363 19,939 850				131 937 935 2 54, 705 202,360 687 10,784,859 31 645 230				187 130 025 \$,520,335 194,841 360 10,814,518 43,098 221	
diage flock calender b breitas hats and loss in m Balance left for home consus	unufactur	ing goods	50 636 545	399 874 855		57 872,649	409,995,092		ĺ	87 773 049	407 029 463			47,858,406	455,562,940
Ditto ditto di Ditto ditto di Ditto ditto di Ditto ditto di	to to to to to to to to to	1816 1645 1844 1843 1842 1841 1840 1839 1833 1837 1835												87 773,049 57 764 049 57 764 049 50,536,545 48,7 19,505 52 760 374 114,818,019 60,819 674 84 133 483 63 637 902 43 456 680 49 532,800 52 973 627	
Ditto ditto di Ditto ditto di	to to	1837												43 456 686 49 932,800	

CULTINATION, SUPPLY, AND MANUPACTURES OF COTTON

YBARS	Yarn No per	20 Price		100. Price	Yara No per	
	Cotton	Yarn	Cotton	Yam	Cotton	Yara
December	d.	d	6		4	
3833.	84	121	1 14	1 3 3 1	19	7 19
1834	9	154	57	1 3 6 1	22	7 19
1835	91 91 10	144	1 17	1 4 4 1	20	6 6
18.5	10	144 164 121	20	6 6	29 81	10 4
16.17	1 8 .	1 12	1 17	8 8 8	23	
1838	64	19	16	1 8 9 1	29	46
1830	64	่าเ	14	1 1 1	97	1 8 4
1840	6	104	13	8 2 1	#1	
1841	51	93	19	1 3 0 1	19	1 5 1
18-12	5	ai	30	29	17	6 8
1843	47	5	11	211	17	
1844	41	91	11	211	ĩź	

The variations in price of cotton-yarn of various degrees of fineness in each year, from 1833 to 1844 have been as follows ----

This subject has had further light thrown upon it by the inquiries of the Factory Commissioners, from whose report the following tables have been extracted --

AVERAGE Price of Cotton, compared with Twist, at different Periods during the present Century

		P	e,	BI	ао	8	Cotton par ib	Twist Sold per	iverage Num ber	Difference
	_			-			d.	d.	ď	đ
Prom	Dec.,	1808	to	Dec.	1805		19-6	39-8	259	20 2
		1992			1800		10-0S	36 18	- A - A	17 1
		1806			1807		21 54	36 79	25 78	15 16
		1807			1806		24 83	88	24.6)	13 17
		3904			1809		26 63	4191	24 37	25 08
	Jair	1509			1809		20 78	87 01	24 69	16 28
	Dec	1509		July	1819		20 93	40 79	92 97	19 %6
]ulv	1810		Dec	1810		19 75	88 51	22-95	18 76
	Dec	1810		Juiv	1614		17 98	34 40	23.09	16 44
	July	1811		Dec	1611		17 43	26 1	23 59	11 29
	Dec	1611		July	1819		1,81	29.79	93-15	11 01
	July	1812		Dec	1813		16 24	29 03	24.15	10 85
~	Dec	1813		July	1813		24 75	35.46	25 29	10 71
	July	1611		Dec.	1813		85 19	35.08	25.52	9.96
	Dec	1813		July	1614		33-52	40.02	25 06	13 40
	July	1814		Dec.	2824		81 67	45 10	26	13 3
,	Dec	1614		July	1815		\$5 79	37 48	23-65	31 76
	July	1815		Dec	1815		26 53	38 44	25	11 01
	Dec	1813		July	1916		30-47	37 74	25-1	17 27
	July	1816		Dec.			20.73	33 5	25 3	13 07
	Dec	1816		Jujy	1810		223	31.65	257	12 35
	July	1817		Dec	181		20 44	236	2546	13 16
	Dee	1817	и	July	1918		20 40	34 55	256	14 09
	July	1818	73	Do	1818		2113	33 25	23-4	11 53
	D c.	1918		July	1819			80 85	21 53	16 30
**	Jalv.	1819		Dec	1819		14 49		24.95	13 68
								2, 53	25 0	21 59
	Dic.	1810		July	1820		14 44	26 03	25 18	9 8
	July	1820		Dec	1930		21.6%	91 40	2018	10.9
	Dec	1820	_	July	1941		9.82	\$1 02	1 2 3 1	10.24

		P	B	۶ I	0 0 8	Cotton per lb	Twist Sold per lb	Average Num ber	Difference
	_					4	4	4	đ
From	July					9 91	15 45	2.53	9.64
	Dec	1621		July		1 9 73	13.97	2 54	10 04
	July	1625		Dec	1823	8 34	19 14	256	19 8
	Dec	1823		July	1623	7 %	19 93	257	11 43
	July	1623		Dic	1823	8 24	19 63	25 34	11 39
	Dec	1822		July	1824	881	19 41	239	10 1
	July	1524		Dec	1824	8 76	10 60	261	F0 31
	Dec	1824		July	3845	14	\$3.34	26.2	8 26
	July	38.1		Dec	1825	13 06	10 11	291	6-05
	Dé	1824		3 stv	1926	76	16.5	27 "8	8.9
	July	1 26		Dec	1526	6 82	36 17	30	8 35
	Dec	18.6		July		695	14 97	30 95	8 82
	July	1823		Dé	1827	734	14 77	30-	7 43
	Dć	16.7		July	1828	C-16	13	27 41	6.74
	July	1629		Dec	15.08	6.64	13 3	2× 23	6 66
	De .	18.5		July	1820	6./3	15.90	2123	6 73
	July	1626		Dec	152	6 34	13 43	2 (4)	~ 09
	Dic	182		July	1830	7 01	13 28	27 85	6 27
	1 15	1830		De	1630	6 5.3	12 72	2677	5 90
	D c.,	1530		July	1 31	6 65	12 83	28.8	617
	July			Duc	1631	6 62	12.37	2 40	55
	Dec	1831		July	1832	6 97	12 76	29-13	8 79
	July	183.		Die	1832	1 24	12 61	9 52	5 37

AVEBAGE Price of Cotton, &c .-- (continued.)

COMPARATIVE Cost of Cotton Yarn in 1812 and 1830

Hanks p	er day per	spindle	Price of waste	per lb	Labour	per lb	Cost	er lb
Numbe	181.4	1630	1812	1830	1912	1530	181.2	1830
49 60 80 1 0 1 0 1 0 1 0 20	9 1 5 1 4 1 25 1 75	9 78 9 5 2 1 6 1 65 1 33 90 5	3 d 1 6 2 0 2 2 2 4 2 6 2 10 3 4 4 0	7 d 0 7 0 10 0 11 1 1 1 4 1 8 3 0 8 8	# d # 0 1 6 2 9 9 10 3 0 6 6 10 8 31 0	z d 0 71 1 05 1 75 2 25 2 8 4 11 21 6 21 6	s d 2 6 3 8 4 4 5 2 6 0 9 4 20 0 30 0	1 44 1 10 2 5 3 0 6 7 14 2 19 2

Cosr and selling Price of one Piece of Calico, from 1814 to 1833

YEARS	Price of une Piece in Warp	Price of one Piece in Weft	Expanse of sizing &c	Cost price of one piece First Berom Years being Scond Quality 74 s rest Third 74 s	Average prices sold for in Man choster through the year
1844 1815 1816 1819 1819 1819 1819 1819 1819 1817 1817	4 9 10 7 7 04 6 9 10 6 9 10 6 9 14 9 10 6 9 14 9 14 9 14 9 14 9 14 9 14 9 14 9 14	5 7 5 5 5 5 5 5 4 2 5 5 4 2 5 5 4 2 5 5 4 2 5 5 4 2 5 5 5 4 2 5 5 5 4 2 5 5 5 5	<i>d</i> 6 5	£ r d 1 5 105 0 18 105 0 18 44 0 17 3 0 16 44 0 16 44 0 16 44 0 17 3 0 16 44 0 16 44 0 16 44 0 17 3 0 16 44 0 0 0 16 44 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	£ 5 d 1 4 7 0 19 83 0 16 11 0 16 11 0 16 86 0 12 45 0 1 86 0 1
1 45 14 1 1 +0 16 1 1633	3 6 3 8 9 3 9 3 1 2 4 2 5	1 9 1 10 1 9 1 9 1 9		0 6 40 0 5 11 0 6 54 0 6 04 0 5 81 0 5 10	0 6 64 0 5 8 0 6 23 0 5 8 0 5 8

The diminution of value in the twist appears to amount to 59 per cent, and in the cloth to 68 per cent.

The variations in the value of cotton goods and yarn, so far as the same can be inferred from the average value of the quantities exported in each year, from 1830 to 1844, have been as follows —

AVERAGE Value per Yard of Whate or Plann, and of Printed or Dyed Cotton Manufactures, and per Pound Weight of Twist or Cotton Yarn exported from the United Kungdom, in each Year, from 1830 to 1844

YBARS	White or Plain Goods	Printed or Dyed Goods	Twist or Yarn	YEARS	White or Plain Goods.	Printed or Dyed Goods	Tw st or Yara
	đ	4	đ.		6	đ	4
1830	6 434	9 073	15 346	1839	4 817	6 087	2. 564
1831	6 686	8 033		1830	4 757	6 041	15 578
1932	8 415	6 722	14 979	1840	4 324	5 705	11 395
1833	5 498	6 691		1841	4 103	5 665	14 158
1884	5 395	5 793		1842	B 632	5 061	13 568
1835	5 222	7 094		1843	8 423	4 815	13 294
1830	5 907	7 048		1844	3 487	4 917	11 107
1837	5 104	6 501	16 137		1		

The following statement, which is taken from Mr Dugald Bannatyne's paper on the cotton manufacture inserted in the "Encyclopadia Britannica," places in a very striking light the reduction that has been effected by machinery in the cost of spinning

PRIORS of Cotton Yarn, 100 Hanks to the lb , in the following Years

YEARS	Per Pound.	YBARS	Per Pound	YBARS	Per Pound	YEARS	Per Pound
1780 1787 1788 1789	4 d 28 0 38 0 35 0	1793 1~94 1705* 17 /6	s d. 15 1 16 1 19 0 19 0	1800 1801 1802 1803		1806 180 After man	6 d 7 1 6 9 Suctuations
1790 1791 1792	30 0 39 9 16 1	179" 1758+ 1799	19 0	1804 1805		1899 1832	3 9 3 11

* Span from Bourbon rotton

† Spun from Sea Island cotton.

STATEMENT, showing the Average Prices of Manufactured Goods Exported in 1936, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, and 1845

DESCRIPTION	Nos Above	Length of Pieces		ight M CER.	11	843	16	14.4	15	43	184	19	18	41	18	140	14	3 9	1	838	18	37	183	#G
Calicoca printed and dyed	7	yds 26	lba	02.		d	8	d	1	d 1)	6	đ	8	đ	8	đ	10	đ	\$	10	3	4	8	đ
Calicora plain	6	20	1	12	٢,		12		6	- 12	8	0	8	ő	10	븮	10	10		10	11	0	14	5
Cambries and muslins	, a	20	3	13	12	- 81	2		2	-		- 21		21	6		10	10		14	10	3		2
Cotton and huen mixed	14	40		ň	18	74	1.6	~ ~	ă	- 2		31	ä	4	2	21	.0		10		130	3	13	
Dimite a	3	60	12	ň	1.9	- 63	101	5	20	- 2	20	ŏ.:	50	11		-11	20	- 4	~		151		28	2
Damasks and dispers	10	30	10	ň	150		110	ъř		ŏ	to	ň			îğ.	21	15	- 6	ŭ	ă	20		27	7
Gipphams and chicks	15	20	3	×	8	91	1 a	10	'n.	ň		3	÷.	ā i	~	ě	10		iñ.	š	110	6		2
Lawns and lenge	ii ii	20	Ś.	Ř	۱ŏ	7	1.0	- 8	Ď	ž		ō)	ä	ă I	ā.	ň	14	ŏ	ï	5	10	- S.		2
Lace net Au	13	50	0	8	8	8	18	ġ	6	ā	š	3	š.	61	õ	ň	ã	ā	ŏ	ň	110	ő	ii -	č
Nankeens	Ð	50	8	Ŕ.	15	Ó	10	ō	15	2	15	61	15	ō i	15 1	ŭ !	10	D	١ć.	10	117	ŏ		ĉ
Qualtie ge and ribs	5	60	38	8	1.18	ß.	30	n.	38	õ	38	01	38	14	3.8	14	38		38		39		56	ĉ
Ticks checks &c	19	50	20		18	9	119	3	1B	4	18	31	18		18	1		10			120	d'		ž
Velecteens cords &c.	16	60	22	12	38	7	39	11	38	8	3Å	03	35	3	33	ā l	39	0	30		40		60	ē
Counterpanes &c		number	7	8	Í4	2	14	2	٠.	6	4	0	4	01	4	61	3	- Ď?	5	ō	ĽÂ.	- ăi	7	č
Rosiry	12	dozen	2	8	9	0	9	- 1	8	8	8	6	9	0	٩	ō i	- 12	9	ō	10	1.6	ō.	ń	É.
Shawls and handkerchiefs	19	()	3	8.	3	7) 3	2	3	5,	3	3	3	9	3	ō l	- 4	10	5	ō	5	- 61	6	é
Tapes and babbins	17	1 1	1	0	11	101	11	٦ť	1	10	- i	- 91	1	٥í	۰.	a l	- 1	- 67	ĩ	á	ŧi.	- q ²	á.	õ

					мυ	LB	1 W	1 8 1	r				
		Co	mmon S	econds			1		1	dest Seco	nde		
18-10	1841	1842	1843	1844	1945	1846	1840	1841	1642	1841	1844	1845	1640
d 8 ' 101 103 14	۹ ۳ ۳	d 61 71 91	d 61 71 9 10	d. 24 24 51	4 67 74 89 99 99	d 81 10 10 12	d 93 134 134	d 4 1011 114 1	d 74 84 99 104	d 6 10 111 111	d 7) 54 10	d 81 104	d 96 104 115 137
141	121	12	12 14 16	11	1.4 145 181	1.1	16 184 21	15 18 264	15 17 19	11	10 184 265	134	174 184 924

PRICES of Mule and Water Twist in Market, 1840 to 1846, inclusive

					w	A T	E R	ТЧ	/15	1				
			Commo	on Seco	eds					1	Brst Seo	onds		
No	1840	1841	1842	1813	1844	1845	1846	1940	1841	1841	1843	1814	1845	1846
6	đ	đ	d	đ	đ	đ	d.	đ	d	đ	d	đ	d	đ
8	81	74	6)	62	63	6	8	9	84	ŧ	72	71	78	94
12) 20 30	94 103	54 14	78	, 1	6	4	9 101	102	94 12	9	.eg	63 19	81 93 132	101
40 50	14	13	122	128	124	124	14	1de	154	154	151	133	13	15
6							l		ł				1	

ST LTEMPNT, showing the Weight of Yarn in Manufactured Cotton Goods Exported from England in 1846, also the Average Value per Piece, &c with the Total Amount of each Description

DESCRIPTION	Nos above	No of Yards &c of each Description	Length of ea b 1 inor	No of Pieces &c of each Description	Weight of Yarn in each Piece	Total Weight of Yaru Exported in Goxds	Average Price of each Piece	ToraL Value of Gade Paportel in 1846
Calcross printed and dyed Dato pi la Cambre and tauellas Combre and tauellas Combre and tauen mixed Duna k at dispere Grach a and checka Los net de Los net de Cambring and the Los net de Cambring and the Los net de Cambring and the Los net de Cautory and the Net des vertes de Cautory and the Net des vertes de Cautory and the Net des vertes de Cautory and the Net des vertes de Cautory and the Net des vertes de Cautory and the the Net des vertes de Cautory and the the Net des vertes de Cautory and the the Net des vertes de Cautory and the the Net des vertes de Cautory and the the Net des vertes de Cautory and the the Net des vertes de Cautory and the the the the Net des vertes de Cautory and the the the the the the the Net des vertes de Cautory and the the the the the the the the the the	14 7 4 9 5 3 10 6 17 12 13 19 11 8 15 10 18 20	xarda 26 ⁺ 043 707 614 80 181 614 80 181 9 112 764 22 4 17 9 47 9 47 13 4 50 81 11 88,087 1 34 503 116 21 144 01 134 503 230 750 45 5.23 1 32 1 22 54 123 54 124 54 124	3 ds 254 20 00 36 20 36 20 20 50 0 00 50 0 0 0 0 0 0 0 0 0 0 0	0,5%3742 23,44947 247,6%8 28144 144 29574 1006%1 204 29574 1106%1 204 1017 2451 316% 30 346% 3416%	lbs or 4 4 5 12 3 0 10 0 12 0 3 8 12 3 2 3 9 5 18 8 2 12 7 6 2 12 7 8 2 8 10 10 10 10	16z. 40 53° 55° 148 263,548 0189 664 225° 153 5 (8 2,640 103 50 1 012 5 20 542 5 20 1 012 5 20 54 6 70 87° 1 364 557 1 21 28 6 44 610	s d 5 9 7 9 10 0 9 1 10 0 9 1 10 0 10 4 41 0 10 8 41 0 10 8 10 0 10 4 41 0 10 8 10 3 10 0 10 4 10 3 10 0 10 br>10 0 10 £ 4+72 674 8, 02 430 78 045 14 872 509 270 13 553 202 24 55 457 2 28 33 4 842 2 8 844 64 180 24 486 16 181 1 213 4 161	
Total Weigh Ditto Ditto		harn Exported i i srn ditto i bread ditto	n Ma		r No 1 er No 1	15 1300 5	184 124 1 1	15 0,503 8 8J7 2 171 666
Ŧ	DT & L	Weight of Yat	-a an	d Value in 181	,	3 1 291 749	1	214 5 941
	tto tto tto tto tto tto tto tto tto htt htt	ditta ditta ditta ditta litta litta ditta ditta ditta ditta ditta ditta	0	Ht 184 it 151 it 154 ito 154 ito 164 ito 144 ito 144 ito 144 itio 143	1 3 1 8 9 9 7 0 5	334 866 327 3 3 302 10 32 841 110 20 3 2 1 44 2 2 1 715 229 71 1 2 234 0 33 673 245 7 80 0 7 5 4 39 175 80 110 154 127 734 1		22.01 1 N 4 20.6 4 349 15.04 3 44 17.4 044 17.4 044 17.4 044 17.4 045 17.061 547 16.153 559 0.055,408 14.506 575 17.311 253

535

Wages of Labourers employed in Cotton Factories —Mr Cowell, one of the commissioners of factory inquiry, obtained, when at Manchester in 1833, accurate returns from 151 of the principal mills in that town and its immediate vicinity, and in the adjoining manufacturing districts of Lancashire and Cheshire, employing 48,646 hands, specifying the departments in which they were re spectively employed, the number, sex, and age of those employed in each, and the wages earned by each class during the month and week ending the 4th of May, 1833 The general results are as follows —

TABLE distributing the 48,645 Hands into Eight different Branches or Departments of Cotton-working, and showing the Aggregate Nett Earnings of the whole Number of the Operatives in each Branch, and the Average Nett Earnings of an Operative in each for sixty-mine Hours Work

BMPLOYED		lulta		ta under 20. Yours	Torat Number cm	Aggregate Nun ber of fraurs worked by the acle during the Mouth couling 411 of May	Average Number of Hours worked by cach	egregate Arnount of our Next Earnouge, for Maonic cuoir e that of May 1913 an 1914 and the out fange of the choil distant to each Br meb called Home Armes
	Maics	Penales	Malow	Seconles	4	<7.45	<8	A the second
	No	No.	No	No				£ 1 d 1 d
Cleaning and spread			222		1	353,660 5	275-8	2112 2 5 8 27
ing cotton Carding	272	689 3 501	1 328	2218	9 397	2 591 185	275 7	2 121 1 5 8 25 17 52 16 84 9 24
Mule-spinning	5 163	1 189	6.599	2,634	39/	4 101 208 6	2719	33 0 7 10 21 10
Throstle spinning	194	693	40.	6.5	1 846	101 021 5	2717	2619 1 56 7 9
Reeling	116		43	\$73	3,316	506 618	238	5 213 14 32 7 114
Wen ing	4 627	6,109	1 631	\$ 674	16 040	4 400 25 17	274 3	86.0-0 19 11 11 33
Beller_covering	6	87	6	16	170	47 208 0	276 0	414 15 7 1 12 1
As engineers fre-								
men mechanics, &c.	927	7	54	1	989	270 729-7	273 7	4,021 17 21 20 G
<u> </u>	18 740	14 621	10 294	9,780	48 645	13 862 204 8	274 6	100,9"1 18 111 10 5

Subjoined is an account of the prices of the principal articles of provision in Manchester, from 1826 to 1832, both inclusive, also drawn up by the Chamber of Commerce \sim

ARTICLES	1826	1827	16.28	1829	1630	1831	1632
Bool best. per Do coarse. di Broad floar per 12 Do wheaten per Cheese di Mait per 19 Meai per 10 Potatoes per 202 Pork per 202	0 42 0 ~1 10 2 5 10 0 72 5 3 5 3 1 5 4 3 1 5 4 1 72 10 1 72 10 1 72	s d 0 6 0 4 2 5 0 7 1 8 9 0 7	d. 0 Gi 0 4 0 7 2 7 0 1 2 2 1 7 5 8 0 Gi	5 d 0 5 0 3 9 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	* d 0 84 0 8 2 9 0 74 2 1 1 6 6 0	* * 0 0 0 3 0 7 2 0 0 1 5 9 4 2 6 0 3 0 5	4 4 6 7 3 4 0 13 0 74 2 2 1 3 4 3 0 3

Denomination of Process in which em ployed	Class of Operatives	Classification as respects Sex and Age	ToTAL Number of Persons smployed	Total Number of Hours worked by theu during the Month ending 4th of May 1833	Average Number of Hours worked by each	Aggregate Nett Earnings for the Month ending 4th of May 1833	Average Weekly Nett Earnings of each Indivi if al in each Process call c dated for Sixty nine Hours
			number.	number	number	E . d	£sd
ſ	Cardens or Over						
1	look cra Jack frame tenters	Male adults	676	103 495 9	275 2	1762 17 3	1 3 6
Carding	JECK FRAME RELICTS	adults	686	190 385 0	273 5	1 103 10 34	0 8 0
	Bobbin frame ten			100 000 0		1 100 10 02	
	lers	Ditto ditto	945	261 650 1	276 8	1414 3 8	0754
L	Drawing tanters	Ditto detro	្រាស	832 287 8	250	2,555 3 81	075
ſ	Overlookens	Male adults	145	40 018 6	275 9	849 9 2	195
Wule spin hung	Spinners.	Male and female adults but pron- cipally the former Male and female adults and non- adults but prin- cipally the latter	3 797	1 046 252 0	375 5 274 8	19454 3 6	158
1	Scavengers	Male and female	7 187	1,000 804 8	\$74.6	7 689 14 81	055
	Ave tongers	non-adults	1 247	340 019 1	972 6	712 2 314	0 2 104
Ti ro tle spin (Overlookers	Male adults	82	3	2 2 8	362 14 114	1 2 4
ոտց \	Spinners	Female adults and					
	£1	non adults	113	8057124	279 2	1716 17 6	679
ſ	Overlookers	Male adults Male and female	400	169 577 0	273 9	2 088 1 4	163
1	Warpers	Mais and Semale	332	39 (66) 9	273 0	803 5 0	0 19 3
	Weavers	hialo and female		30 000 2	2/30	603 5 0	013 3
Weaving		sdults male and femaic a n adults but chiefly fe					
	-	mates	10,171	2 784 218 7	2*37	21 835 9 64	0 10 10
	Dressers	Main adults	\$ \$36	\$307710	276 0	4 950 4 11	179

TABLE showing the Average Nett Earnings of cartain Classes of Operatives employed in the Four Processes of Carding, Mule-spinning, Throstle-spinning, and Weaving

The wages paid to the labourers in cotton factories, and other descriptions of work people, in Manchester, is stated in the following table for 1832, since which there has been no important change, drawn up by the Manchester Chamber of Commerce —

DFSCRIPTION	AI	MOUNT	DESCRIPTION	AHOUNT
Spinners men	£# 1 0 0 10	d £ s d 0 to 1 = 0 0 0 15 0	Weaving by Hand-continued Quality Woven by	Lad Lad
Stretchers	ŭ š	0 1 5 0	Checks fapey men	0 7 0 to 0 7 8
Lie of (boys and girls)	0.4	2 0 2 0	common children	0 0 0 0 7 0
har or re	6 1	0 0 2 8	Cambrics all ages	0 6 0 6 6
			Quiltogs men and women	0 9 0 0 19 0
In the Cord room			Fustian-cutters all ages	0 10 9 0 12 0
Men	0 14	G to 0 1, 0	Machine makers men	1 6 0 1 10 0
Yonng women	10 9	0 0 9 5	Iron founders do	1 8 0 1 10 0
Ludren	0 6	0 0 7 0	Dyers and dressors do	916 0 1 0 0
The the spinners	0 4	0 0 9 6	Do do young men	0 12 0 0 14 0
Reciers	0 7	0 0 9 0	Do do bors	0 5 0 0 10 0
			Tailors mco	0 16 0
Weavers by Power			Porters	014 0 015 0
Men	'0 JB			100
Women	08		Shoemakers	9 15 0 0 16 0
Dress is men	1 8		Whiteomiths	1 2 0 1 4 0
Winders and warpers	0 8	0 011 0	5 awyers	140 180
Mechanics	1 4	0 160	Ca proters	1 4 0
	1		Stonenasons	0 18 0 1 2 0
Weaving by Hand			B icklayers	017 0 1 0 0
Quality Woven by	I		Brickl yers labourers	0 12 0
Nana na fancy mes	0.9	0 to 0 15 0	I na ters	0 18 0
common children and	106	0 0 6 0	Naters	0 3 8 perday
woman	- 312.2		Pla terers	0 19 0 to 1 1 0
best mea	0 10	0 013 0	Spademen	0 10 0 0 15 0

The following additional statements of the cultivation of cotton in the Presidency have been furnished to us since the foregoing sheets were printed

YBABS	Gove	coment Land cultivat	In the Proportion of for		
ISABS	Cotton	Other Products	TOTAL	Cotton	Uther I roducts
	beccat	bregas.	beegaa	per cent.	pe cent.
183435	49 321	1#1 974	924 299	16.9	8) 13
1835-38	40 217	180 039	220 249	21 47	78 53
1636-37	39,877	191121	23 (998	17 19	82.64
1937 38	62,845	179 131	241 974	25 97	74.08
183839	61 590	131 518	913 108	28 90	7130
1839-40	5) 897	205,355	237 260	20 17	1 79.43
1840-41	48 028	209 239	247 260	1A 67	8133
1841-42	71 343	191 029	202 378	27 19	1 72 81
1642-43	57 439	217 109	2 4 548	80.99	79.08
184344	36 249	221.633	238 062	14 04	85.90
1844-45	65 933	179 007	\$45 000	26 91	73.09
1845-40	57 176	175,598	232 769	24 56	76 44
TOTAL	618,915	2,284,006	9,927 920		
Average of 12 years	53,659	190,354	943 993	23	78

COTTON Cultivation in the Surat Collectorate

Covernment Land cultivated with In the Propertion of for YRARS Cotton Other Products. TOTAL Cotton Other Products Dergas 8'8 192 920 351 908 215 1 066 368 1 037 820 1 077 556 1 071 374 1 111 250 1 093 335 1 043 729 1 145,794 por crat 89 35 67 12 90 31 85 54 91 38 91 67 92 60 88 86 90 03 91 53 per cent 10 65 12 98 9-49 11 36 beegns 91 433 119 494 94 757 191 194 89 436 99 273 76 11 bcegar 764 680 900,957 903 458 845 174 1834-35 1835-36 1836-37 1837-36 1838-39 1838-39 1539-40 1840-41 845 174 948,393 1 015 283 935 366 987 457 584 3 9 1 001 451 933 830 1,016 201 11 36 8 62 8 33 7 10 11 14 76 014 123 793 104 496 87 912 110 799 129 538 1441--42 9 47 8 07 11 48 11 30 1843-44 -15 68 51 No 0 1845-40 TOTAL 1 934 594 11 288,592 12 343 186

COTTON Cultivation in the Candeish Collectorate

COTTON Cultivation in the Sholapoor Collectorate

1 045 265

10 94

89.96

940,716

YBARS	Gore	rament Lond cultiva.	In the Properties o f 7		
16468	Cottan	Other) roducts	TOTAL	Colton	Otl er Products
i	acres	BCT S.	BOTTA.	per cent	per cent
1834-35	2 569	406150	409 (20	0 62	99.55
1835-36	2730	111/190	615 600	0.44	99.56
183637	23 929	697 (60	720 588	318	2 90 54
1837-38	29 841	775.604	800 44	3 70	96 30
1838-39	35 4 15	833 177	608 624	4 09	35.92
1839~40	58 00l	1 820 502	1 078 503	638	9419
1840-41	55 253	1 232 189	1 307 402	4 22	95 8
1841-42	49 454	1 394 473	1 443,925	\$ 42	96 58
1842-47	68,130	1 530 605	1.598 05	4 26	95 74
1643-44	64 607	1.344 114	1498.7 1	4 38	95 42
2844-45	75 436	1 510 348	1 501 184	474	95 26
1843-46	51 416	1 662,581	1 718 997	3	97
TOTAL	515,750	13,047 005	12,562,815		i
verage of 12 years	42 9-9	1 087 255	1 130 54	8.47	96.53

Average of 12 years

STATEMENT, showing the extent of Government Land under Cultivation in the following Collectorates of the Bombay Presidency, distinguishing the Lands cultivated with Cottou from these cultivated with other Products

	BRO	ACH	S U 1	RдŤ	CANI	EISH	SHOL	APOOR
YEARS	Cotton.	Other Pro ducts.	Coston	Other Pro-	Cotton	Other Pro-	Cotton	Other Pro-
	borgan	becgas.	beegas	beeges	becgas	beegas	Acres	Acres
1934-36	198,015	392 078	42,321	181 978	91 433	765,089	2,569	406 460
1835-36	274 609	355,232	4+217	180 039	119 494	800 B57	2710	612 890
1836-\$7	24/ 086	342 233	39,877	192 121	91757	903 438	32 922	697 460
183 - 38	28) 667	328 328	62 645	179131	121 194	945 174	29 841	776 604
1835-39	323 640	264 803	61 590	151 518	89 435	948 303	35 145	833 177
1639-40	307 531	310,804	51 897	205 363	92,273	1015983	55,001	1 020 502
1840-41	289 182	821 603	49 028	209 233	6 014	995 360	45 211	1 252 (69
1841-42	259 499	367 283	71 343	101 039	123 793	987 457	49 454	1.394 471
16443	259760	372,250	167 439	217 109	109 946	\$84 379	68 136	1 530 969
31-43-44	\$17 46	408,716	36,249	221 833	87 912	1 001 451	61 607	1 344 114
1844-45	2 3 480	345 5.25	65,933	179 067	113 99	923 689	73 130	1 316 348
164	277 643	333 895	57 176	175 593	129,533	1 016,461	\$1 120	1 662,581
TOTAL	3 212 118	4 1 15 442	643 915	2 284 006	1 254 594	17 968,592	515,750	13 047 065
Average of								1
twels y ars	\$67 677	346,578	53 659	190,334	104 549	940716	42 979	1 087 235

A TABLE showing the comparative Cultivation of Cotton with other Products, on the Government Lands in the following Collectorates of the Presidency of Bombay

	BRO	A C H	ន ប :	RAT	CANE	RISH	SHOL	POOR
YEARS	Cotton	Other Products	Catton	Other Products	Cotton	Other Products	Cotton	Other Products.
	DET COL	percent	per cart	percupe	per cent	per cent.	per cent.	Der cent
183435	33.52	6.6 18	16 #7	61 13	10 65	89-35	0.62	9138
1845-46	44.72	57 28	21 47	78 53	12.39	67 13	0.44	99.56
1836-37	41 43	8 57	17 19	62.52	94)	90 51	3 18	9782
1837-35	401	53.82	25.97	74 03	1130	88 64	2,0	96 30
1835-32	54 12	45.08	26 90	71 10	8 62	91 39	4 08	0 98
1639-40	49 1	50.26	20 17	9.83	6 33	91 67	6 38	04 02
1849-41	4 34	52 60	38.67	81 33	/ 10	92.00	4 12	95 78
1811-4	41.47	55 73	27 19	7481	11:14	84 86	3 42	LC 58
184 43	41 93	56 07	20.93	79.68	997	90.03	4 26	9374
1843-44	34 77	65 23	14 04	85 96	\$ 07	91.93	4.59	05 42
1644-45	4411	5149	26 91	73 09	31 49	88 52	474	95 25
1843-46	45 35	5463	24 50	75 44	11 30	8 70	3	97
Average of								
twi tre	43.59	56 42	82	78	10.01	89*96	3 47	97.53

EXTORT of Manufactured British Cottons and Yarns from Borrbay to the Ports of the Concan in and during the following Years

YEARS	Goods not	Described	Goods	Plaia		Dyed and used	30	rp	Torain
	Pieces	Value	Pieces	Value	lieces	Value	Weight	Value	Value
1636-37 1837-38 1837-38 1837-40 1849-40 1849-41 1441-12 184 43 143 44	Dun b 367 J81 23 3 5	rups e 2,011,351 120784	number 210 369 232 365 234 13 360 156 255 596 24 216 57 575	rupees 1 067 494 1 19 528 2 39, 524 1 962 473 1 19 694 1 455 301 2 78 301	22 104 10 14 4, 486 41 167 5 112	rapees 244 118 252 912 76 64 157 254 309 561 2 0 - 312 55	22 4 44 981 24 34) 50 875 54 8 40 67 979 123 500 410 420	70 peer 46 057 19 959 37 554 40 154 59 187 91 348 1 0 016 351 1940	Fupres 2,047 408 1 39 - 053 1 432 9.4 1 134 543 2 194 034 1 603 906 1 875 972 1 4 - 240
INI 184 - 4 J TIL Atural of ter	i y urs	132138 13213 13213	1 15 133 -34	5et x3 7 553 11 084 337 1 10 3 £11,7 853	41 ×03 3 41	205 3 1 7 JNR 2 031 728 03 172 ± 0 317	30 2.) 236 196	3.74 695 216 970 1,389 018 13 901 £13 990	1 491 033 1 173 411 16,641 238 1 601 123 £100,413

YEARS	Goods pot	describ d	Good#	Plain		yed and pred	Ya	m	Total V LUE
	Pieces	Value	Pieces	Value	Pieces	Value	Weight.	1 alue	Amount.
1636-97 1637-38 1 78-39 1839-40 1849-41 1842-43 1842-43 1842-43 1843-44 1914-45	number \$16,010 \$6,233	Tupees 26 40 995 2 06,347	10000000000000000000000000000000000000	Tupees 15 3p 059 16 96 132 21 61 356 23 14 865 26,26 914 3 40 903 3 501 953 3 72 230 20,93,7 5	number 24 3,2 18 ,25 78 83 102,044 94,045 123 990 141 351 134 936 133 946	rupets 1 46 733 1 2 324 3 4 30 5 847 6 01 8 6 83 -53 5 50 940 7 5 90	1255 5 1 255 5 1 258,563 1 204 756 1 204 756 1 204 756 1 204 0 58 1 44n /9 1 759 63 1 579 15 1 372 15 1 372 15 1 322 15 1 322 15	Pripe # 1., 1.4.1 10.46,739 8.3.768 9.3.504 9.3.504 9.3.504 9.40 1.3.8.763 4.40 1.48.763 4.40 1.48.763 4.40 2.48.763 4.40 2.48.763 4.40 2.48.763 4.40 2.48.763 4.40 2.48.763 4.40 2.48.763 4.40 2.40 2.40 2.40 2.40 2.40 2.40 2.40	rupces 35,3 3 29,27 84 6 3 (14, 92 38 6 66 41 5 (13 63 f 202 50 5,033 50 6852 47 (1467
TOTAL		28 16 122		2,87,38 159		45 44 116		96,312 5	10 55925
Average of ten y	bars	2,84 64 £ 28 404		23 73,315 £23 331		4 34 411 £40,441		9 63 22 £96 3 23	40 5-192 £4(-19

EXPORT of Manufactured British Cottons and Yarn from Bombay to the Ports of Guzerat, during the following Years

COMPARATIVE View of the Import of Manufactured Cotton Goods and Yara into Bombay from the Ports of the United Kingdom

YEARS	Plan	Cottona	Printed	Cottons	Dyed	Cottons	Cottos	a Yara	TOTAL	
ICARS	1 seces	Value.	Pinces.	Value	Liecea	Value	Weight	Value	1 IDTAL	VALUE
	number	rupees.	bumber	r pees	aumber	rapees	iby	ruptes	Inpers	£
183637	1 842,311	54 01,028		11 32,989		1 -	1 636 2			191 346
153	561 009	39 112 42	3 1 235	19 20 637		1	2, 3,543		71 14,836	711 453
1538-39	1,30% JØ6	63 30 903		13,5 16			2 03 046			769 4.4
1539-40	1 236 119	5 5 3-2		8,19 05			2 129 185			181 77
1810-41	4 04J 3 19	70.93 981		13,05 72	304 4.1	1418 046	2 15 983	14,54 200	1 13 21 59	1 132 179
1811	1 99 3241	64 87 320	2 3 346	110 645	115 1-41	(10 09 113		10 58,3 7	DI FC 461	264 046
1842-43	21731804	7 11 54	208 40 0 .	16,39,153	2 528		3 05 350		1 06.10 827	101002
1543-44	3 460 -35	1 01 29 373	163 495	6 83 024	130 496	6,13 369	5 254,00	21 031 1	141 80 461	1 (02 56
184445	4 183 623	1 00.97 486	19 4 1		357 367		4 12 257	34 16 555	15 324	1.52 .232
1845-41	2,215 171	60 84 153	128,61J	5 71., 66	94 17%	0 48,323	3 668,349	20 95 452	99 99,6.5	999,909
TOTAL	1	6 83 20 849		1 02 18 615		59,83,568		1 69,58 747	10 14 79,679	10,147,967
Average of	ten years	68 32 084		10 91 651		5 98 336		10 93 8 4	1 01 47,967	l
		£1 53 205		£102.165	1	£19 835	. 1	£169.5H	£1 014 "96	í

The following table, drawn up by Mr Chapman, applies to the thirteen years, ending with 1816, and is drawn from Burn's Statistics of the Cotton Irade, and from the Report of the Bombay Cotton Committee, Parl Pap 712, of 1847

The total supply to England from all quarters during those thurteen years, was, according to Burn's, 6,242,168,603 lbs, the annual average was, therefore, 460,166,046 lbs, consequently, multiplying the proportionate supply in the table from each country or port by $62\frac{1}{2}$ (or more nearly by 62.42, &c), will give the total supply it contributed in thirteen years, likewise, multiplying by 4.8, will give its average annual supply

The total export from India to England in thirteen years is stated in the Report of the Bombay Commuttee to be 866,390,353 lbs, the import into England from India is given in Burn's, at 800,518,822 lbs, whether this disagreement arises from the difference of stocks and cotton in transit at the be-

540

ginning and end of the period, or from different estimation of the weight of bales, it seems probable it affected all the imports alke, and, therefore, the exports from each of the four ports have been reduced proportionably, in order to produce a total, agreeng with Burn's total of the imports

Bombay exports largely to other countries besides England, chiefly to China. The total exports in thirteen years were 1,524,943,729 lbs

The imports from Bombay, from its dependent ports, during the thirteen years, were 1.401,77,288 lbs, of which only 717,616,000 lbs were exported to England, besides this, the export accounts of the several Indian ports do not exactly agree with the import accounts at Bombay To derive the total export of the small ports from this table (which is framed only to give the supply to England), multiply for the several ports of Guzerat, Concan, and Canara, by 112 for thirteen years, and by 83 for a single year, for Cutch and Scinde, multiply by 112 and 93 respectively

GENERAL View of the proportionate Supply of Cotton to all England, showing how much out of every 100,000,000 lbs has been contributed by each Country or Port

COUNTRIES	Amount.	COUNTRIES	Amount
TOTAL IMPORT INTO ENCLAND	lbs	Coxcin (see above)	Ibs
rom America	79 95 00	From Omercaum	203
Br all	4 169 800	Tarr poor	316
Fpt	2 01,000	M Luma	225
We t Indies	923.00	Bassein	5
hast indic (see below)	12,624 400	Calhan Sals tte	1,347,916
	100 000 000	Car nia	
EAST ENDIES (see above)		- Panwell	1,539 \$47
		Sakey	
Bombay (see below)	11 496 290	A ibang	79
C) utta Mad a	269 480	Poenar	
Tuticorin	231 100	Rigur	4,178
1 uticoria	231 100	- Rajapoor	362
	12,624 400	Auzapweil	30 139
BOMBAY (see above)	12,823 400	- Retoszbeery	2 593
BOR BAT (see ADOVE)		- Katongozery Vizindroog	195.000
Guzerat (see below)	6,383 410	alaiwan	149 896
(n a (ditto)	3 179 880	Sawout Warree	143 830
M lab rand (agar ditto)	1 245 770	Aswent Hartoe	·
Latch and br d (ditto)	175 460		3,279,680
All other quarters	11 -70	MALABAR AND CANARA (see above)	010104000
	11 496, 290	Capara	1147541
GUZERAT (sea above)		- Maisbar	97 ,129
Tunkaria	710 499		1 24.,770
Sur t	1 124.450	COTCH AND SCINDE (see above)	
Bah	1 819 510		
D oll na fec	1,637 630	Toona, Roheer and Wowanin	184 096
Bb willger teo o	642 040 42,4,360	Mondarer.	47 968 64 759
00 0	48,,300	Inkos	1 194
	6,383,410	Lackput.	1 703
	1	All Catch	299 783
	1	Sande	27 675
	1		\$73 160

CULTIVATION OF SILK IN INDIA

THE breeding of silkworms appears to have originated in China, where, however, the cocoons were found attached to the trees, in a wild state in the woods According to Pliny, silkworms were taised in Cyprus, and the silk collected in great quantities about 150 years before the birth of Christ In China, where different kinds of silkworms are reared, the best and most prolific is the Fagara. or a kind of pear-tree worm The others are the pine-tree and the oak tree Of the different kinds of silkworms or caterpillars, the Phalaena Bombyz is that which supplies the chief silk of Europe The Phalaena Atlas is the most prohic in the quantity of silk produced by each worm Woven silks were worn at Rome in the time of Pompey and Julius Cæsar, but it was probably then as dear as its weight in gold Heliogabalus wore a robe said to be wholly of silk (Holosericum) If was afterwards worn sometimes by the common people China was the country from which woven silks then appear to have been brought, down to the sixth and even seventh century About the middle of the sixth century the eggs of the silkworm were carried from China by Persian monks to Constantinople, and reared in that neighbourhood, and probably in Asia Minor

Brutsh India might supply vast quantities of raw silk, but the quality, chiefly from inferior preparation, is also inferior to the raw silk imported from other countries The silk goods of India are also far inferior to those of China

Reeling was introduced into India by the Company as far back as 1760 But little improvement, either in culture or preparation, seems to have been made since that period

	8	ILK B	ENGAL		1	SILK	CHINA	
YBARS	Qaaz	sity	Value at 5	tos per lb	Quar	atity	Value at 2	5s per lb
	Imported	Exported	Imported	Exported	Imported	Exported	Imported	Exported
	lbs	lbs		£	Ibs.	Ibr	1	£
1791	441 358	36 435	444 358	36 436	199 984	8,409	5 9 893	11 492
1792	425 234	13 406	425 234	13 406	102 270	5 319	143 1.00	2 434
1795	736 081	19 393	730 061	19 393	171 998	3 7 69	249 97	5 76
1794	591 460	61 289	521 400	61 589	S0 / 1	8 60 5	139 539	12 127
1795	381 199	39,347	381 190	39 547	158 225	3,622	21113	5 (**)
1796	347 936	70 114	347 936	70 114	12 968	7 279	18 155	10190
1797	02 284	59 760	92 204	50 760	78 20	4 664	105 130	6,423
3798	353 394	38 000	853 394	36 000	136 196	4 820	199 174	6 48
1799	644 #19	51.583	614 818	\$1,583	603 604	2 033	60 (+45	2,546
1800	583 096	23 113	583 086	23 113	92 385	1 270	129 307	1 786
1801	\$01 825	21 837	351 825	21 837	131 335	8 *71	183 869	5 419
1902	111 37	28 630	111 737	28 630	75 3 88	3,811	105 523	5,335
2863	405 631	13 748	403,631	13 748	74 334	4 374	104 552	6,1.3
1804	624 878	44 692	624 675	44 699	PD 362	4 480	120 506	623
1805	845 497	1 21 P60	843 497	21 900	76 359	3,941	196,02	5,517
1806	412 681	17 725	41 > 881	17 725	18 607	903	26 469	3 264
1807	\$13,823	26 444	613 823	26 444	55 .77	2 482	77 387	9,073
J808	380 227	22 104	880 227	32,104	117 855	3 843	364 997	5 389
1609	164 100	10 483	164 100	20 483	\$0 6A3	3 798	120,811	5 191
1810	67 3 %	\$,540	877 326	2 840	54 376	1 637	76,126	2 291
1611	414 404	4 800	414 404	4,806	81 397	1 193	113 953	1 670
1814	95 - 414	18131	965 414	18,111	150,629	\$ 205	210,830	3,087
1815	861 379	43 128	86t 379	43,128	916 129	9 91	\$02,590	13,007
1816	764 663	368 897	764 667	\$68,8D7	89 987	13 455	424 68%	18 836
1817	555 003	64 291	553 003	64 291	103 367	5 945	144 713	8,323
1818	071 130	47 364	971130	47 364	148 878	34 160	205 619	47 824
1519	913 817	43 870	953 617	43,870	141 325	2 935	197 855	4,109
1820	1 078,671	11 167	1 075 671	11167	971 115	1 228	379 501	1 730
1821	1 05) 63	19 #34	1 051 263	19 834	275,110	2 795	385154	3,913
1822	674 928	15,330	674 218	15,330	222 673	2 526	311 748	3 546

IMPORTATION into En	gland of Raw Si	lk from Bengal ar	nd China during	the following Years

By the prohibitory law of 1765 the English silk manufacturers were *legally* secured in the evolusive possession of the home market. The slow progress of this fabric will appear from the following statement of the quantities of silk entered for consumption in the United Kingdom, compiled by Mr Porter —

	PE	RIOD	\$		Raw	Wa	ate	Thrown	TOTAL
(rpabb	die twe dii fr it wars ce	nty turn tream of ling to el	•		1 (95,80)	2 - -	600 4 UCO	2018 373 400 33 000 3 0 600 293 600 3 5 000	154 15,000 851 000 1 110 060 1 415,000 2 399 000
YEARS	Raw	Waste	Thrown	TOTAL	YEARS	Raw	W aute	Throw p	TOTAL.
	11	lba	н	ib.		lbs	lbs	11.4	lbs
411	1 4.35	2 4	5 5 5	211994		3 301 21	051 94	3 9 932	4 373 247
815	100	001	J 2	14 34)		1.2 4 3	654 41	1.00	4 761,343
16	1414	412	210 .3	1.0%5 134		3 346 51	1 000338	105,/68	4 3 451
elT.	1 3 31		2 + .3	1 152 1 34 4N	1836	4 151 008	13 2	254 5 9 254 201	5 789 458
10	141 697	-131	3 1 125		1830	3.5 6 105	86~ 456	213 258	4 5% 859
819	100 991	4165	3(1453	10 36		3 191 610	451 305	81 145	4 .0 236
821	1 (4 513	10 11	3 248		39	3 409 7 4	1027.347	1 24/13	4. 3944
87	1 . 3 .4	£1 I	3 675	2 441 3	40	3 704 460		1 7 14	4 11/203
5 3	201	5.3	303 964		41	3 141, 0	1.343 51	2 051	475 171
8.4	โข้มล์ ไ	133	463 2	6 11 18	M2	3 636 4	1 424 142	3 3 24	5 44 583
45	a4 6	1,5 910	65 12	3 601 1 58		3.5-1 04	1 492 580	\$33 7.2	33 1386
8 ti	1 104 165		2: 315	2 31 13	lo#1	3 918 282	11040	40 7	6 int 633
4	3 191 3		434 016	4 213 153	14	43 4 69	14(100	511 134	632 (29)
5 4	41 0		355 (2	4 14 112	146	43 0 0 0 8	89 664	431 681	5 17,3.3
F 29	- 1 1		1 - 50	6.2,201			1	1	(·
F30	71	485 013	43(35	4 693 7	548			1	1
521	3 (3 13 132	7268	5 4 240	4 3) 2 .30					

Not -1 be ear 15-61 1 t c wa to is 1 ded with the raw of From 1845 and 1841 total quantities imported only are stated

TOTAL Q	uantices	of	Raw,	Waste,	and	Thrown	Silk,	Im	ported	and	Lntered	for	Home
	Co	nsu	mption	n in the	Umt	ed King	dom, f	rom	1814	to 18	348		

Y	EARS	From the East Indi Chins St H i na and the C p of Good H pe	Prom To key and toraire	From other Pris clidy Frace and Italy	From all Parts	Gross Amount f Duty z couved
「おうから」」、「「「「いいかか」」、「「」、」、「」、「」、「」、「」、「」、「」、「」、「」、「」、」、「」、」、「」、」、「」、」、「」、」、」、「」、」、、「」、」、、「」、、」、、		Ood 1	ILe 0 - 3 - 1 - 3 - 4 - 40 - 7 - 1 - 4 - 7 - 1 - 4 - 7 - 1 - 2 -	The Sec: 7 (44) GMT (44) GMT (41) GMT (41) GMT (41) GMT (41) GMT (41) GMT (42) GMT (42) 10077 40 10077 40 10077 40 10077 40 10077 40 2460 10077 40 2460 10077 40 2460 11077 40 2470 1112 400 1112 1210 400 112 2107 100 444 112 200 112 2107 100 444 2107 100 444 2107 100 444 2107 100 444 2107 100 444 2107 100 444 2107 100 440 2107 100 440 2107 100 440 2107 100 440 2107 100 440 2107 100 440 2107 100 440 2108 100 440 2109 100 440 2100 1	lbs 2,11 2,11 1,17 1,17 2,17 1,17 2	$\begin{array}{c} & \mathbf{x} & \mathbf{d} & \mathbf{z} \\ \mathbf{x}^{0} & \mathbf{d} & \mathbf{z}^{1} \\ \mathbf{x}^{0} & \mathbf{f}^{0} & \mathbf{f}^{1} & \mathbf{f}^{1} & \mathbf{f}^{1} \\ \mathbf{z}^{0} & \mathbf{z}^{0} & \mathbf{z}^{0} \\ \mathbf{z}^{0} \\ \mathbf{z}^{0} & \mathbf{z}^{0} \\ \mathbf{z}^{\mathbf$
1 11 5 15 181 194		* 114	6) 15 464 4	2,10000	5 (14 6,3 ~ 128 5 17 453 5,5 7 263	57.03.0 5.57.00 free free

* From 1643 to 1846 unclusiv total quantities suported are stated

In 1824 the system of custom duties on raw and thrown silk was changed. The high duties of 5s 6d per lb imposed upon raw silk, and of 14s 8d per lb upon thrown silk, were reduced, the former to 3d and the latter to 7s 6d per lb These rates were alterwards further reduced, that on raw silk to 1d, and that on thrown silk to 3s 6d per lb a regulation of the custom-house permitting the latter duty to be drawn back upon the exportation of the goods into which foreign thrown silk is converted, and in 1845 the duties on importation were wholly repealed. In 1822 the system of prohibition against foreign manufactured silk goods was prospectively repealed, and a scale of duties adopted, under which such goods might be imported, but in order to afford the silk manufacturers the opportunity of disposing of goods already made, and of otherwise preparing for foreign competition, such importations were not allowed to take place until after the 5th of July, 1826

An unmediate and great increase was made in the consumption of silk goods. The number of throwing-nulls in different parts of the country was increased from 175 to 266, and the number of spindles from 780,000 to 1,180,000, yet the throwsters could not supply the demands of the weavers.

This prosperity was checked by the panic of 1825-6 In the ten years preceding 1824, the quantity of raw and thrown silk used by our manufacturers amounted to 18,823,117 lbs, or, an average of 1,882,311 lbs, per annum, in the ten years following the change of system, the quantity used was 36,780,009 lbs, or 3,678,001 lbs per annum i an increase of ninety-five per cent, and in the eleven years ending 1844, the consumption was 43,588,386 lbs, or 3,962,580 lbs. per annum, being an increase of 110 per cent upon the quantity used under the permenous system of fallacy '

By competition improved machinery has been introduced in the throwingmills By the improvement made in the machinery of Jacquard, weavers produce fancy goods, the quality of which is equal, in most respects, to the fabrics of France

The English throwsters, before 1824, charged for converting raw silk into organizme about 10s per lb The duty then imposed upon foreign organizme was 14s 6d, or 9s 2d above the duty upon raw silk. In the ten years ending 1824, the weight of thrown silk imported was about 233 per cent to the weight of raw silk, the quantity imported wiring the ten years ending 1844, was in the proportion of 8 per cent to the weight of silk thrown in the mills of the kingdom

As English throwsters have, for more than twenty three years, been met by competition with foreigners they have reduced the charge from 10s to from 3s to 5s per 1b, the rate depending upon the quality of the silk Nor are throwsters in this country in a less favourable state than they were before Greater ingenuity, skill, and improved machinery, have enabled them to compete far more successfully than they could under the fallacy called "protection," by which they were deluded When the prohibition to the importation of foreign silk goods was removed, a duty was imposed of thirty per cent ad valorem, which was soon after altered to specific rates per pound, calculated upon different kinds of goods with the yrew to be equal, in most cases, to thirty per cent upon the value the vague maximum of protection that is to say, the highest scale to prevent encourage ment to smugglers. Never was there a greater delusion. The frauds even within the precincts of the custom-house prove that 15 or even 12 per cent amounts to far more than an irresistible premium to risk all the hazards of the contraband trade and the collusion of the revenue collectors. Sir Robert Peel not only abolished the duties on thrown silks, but he wisely reduced the duty on silk manufactures to a revenue rate of 15 per cent. The specific rates are, however, found by experience to be unequal, and a duty of ten per cent would probably yield a greater revenue

The former rates of duty being beyond the cost of smuggling, a very large proportion of the silk goods shipped from France for England have uniformly found their way into use without passing through the custom house. In the seventeen years, from 1827 to 1843 fifty parts in one hundred of the silk goods shipped from France to England have been smuggled

reirs	Bapitel frame	Entered at Custom		Centesual	Propositions
1 5 1 8 5	I ratic to Et bland	Houses in England	more than entered	Entered	Not obtared
	19	lia	ibe	per cent	perc nt.
827) ** 4 × 30	101 010	120 840	41 26	53.71
84	43 031	15+16	378 535	46 62	53 34
820	211 642	11,218	9514	5472	45 26
8.10	241001	11.3 8.46	161 88	41.1	58.5
631	401 (41	14, 187	2544.5	49.13	50.87
832	312 h~7	14 665	1 0 219	40 57	53 13
841	3 1 05 7	144196	202 989	42 21	57 9
831	317 (17 0	341 46	512)	41.1
43	2 9 782	1 174 2	130 008	SF 45	43.55
630	244 (16	1 977	103 60.1	63 40	31 15
6 17	26 164	1 F 3	101 411	62 17	37 13
834	313.0	41 (24	345 453	62 23	37 77
531	605 36	25 45	2419g1	50 54	4) 18
640	6 3 317	267 1 7	35 %40 {	42 7	57 3
841	6 1 / 69	25410	30140	40 70	5 30
R42	51.4 378	101 04	1 52 74	49 3	50 27
5.2.9	4%4 438	276 235	206 152	5 02	41 5
8-14	1	{	2 J		1
84	1	1	1 !		
810					
Torse	6 33 131	3 9114	3 153 020	N0 0	49.0

The duty received on 3,173,676 lbs of silk manufactures during the above screntcen years amounted to 3,136,0917, which is at the rate of 198 9d per ib During the same period the regular importations from France amounted to 3,179,112 lbs weight, which is about equal to the whole quantity on which duty was pud. The sum received, if collected upon the whole quantity shipped from France, would have been no more than 10s per lb—*Poster's Progress of the Nation*

SILK MILLS -- The number of silk mills in the townships of Manchester and Sulford, which in 1820 was five, had increased in 1832 to sixteen

The following table, on the authority of the inspectors of factories, shows the number and distribution of silk factories, and the number of persons employed in them at the beginning of 1835, and in 1839 —

ENGLARD locks however before befor	At Work number 3 9 88 15 4 5 8 2 9 7 1 23 4 1	Empty number 24	Males Bumber 10 17 124 40 4 4 9 193 841 8	Pemales 30mber 30 49 1423 142 70 1 5 52 44 44 237 6 784 70	Males number 6 364 73 4 2 27 5 57 202	Pemales Rumber 16 19 426 194 97 90 107 4 21 77 1 265	Mafen number 7 13 1323 185 9 1 185 9 1 60 1 60 1 20	Females 09 41 1876 140 226 70 532 23 68 224	Males Rumber 16 9 1757 460 10 14 10 29 64	Pemales 5400ber 12 2409 1124 221 101 490 13 116	Males number 87 4,508 856 47 21 233 7 49	Pernales number 187 120 6,138 1 839 449 261 1 202 77 249 684	Тотац 100mber 10700 2925 10700 2,725 496 282 1 327 84 298 1 178
ENGLARD Forka Inacke	3 88 15 4 5 8 2 9 7 1 23 4		10 17 1124 162 24 4 4 9 193 841	36 49 1428 142 ~5 70 1 5 52 44 237 6 784	0 6 364 73 4 2 97 5 57 57 203	16 10 426 194 97 90 107 4 21 77 1	7 13 1323 185 9 1 60 1 6	69 41 1876 140 126 70 533 23 68	15 9 1757 460 10 14 00 29	68 12 2405 1124 221 101 499 13 116	38 87 4,568 866 47 91 233 7 49	187 120 6,138 1 839 449 961 1 202 77 949	225 357 10 700 9,725 496 282 1 927 84 298
hacks hinder hinder biton tron tron hinder land	9 85 15 5 9 7 1 93 4 1	24	17 124 162 24 49 49 193 841	48 1425 70 1 5 32 44 237 6 784	6 364 73 4 2 97 97 57 57	10 426 194 97 90 107 4 21 77	1323 155 9 1 60 1 6	41 1876 140 126 70 532 28 68	9 1757 460 10 14 00 29	12 2405 1124 221 101 499 13 116	87 4,508 860 47 91 233 7 49	120 6,138 1 639 449 961 1 202 77 949	157 10 700 9,795 496 289 1 527 84 295
Inclearer Inclearer Inclearer Sector Inclearer Inc	88 15 4 5 8 2 9 7 1 73 4 1	24	(1124) 162 24 40 49 193 841	1428 142 ~5 70 1 5 32 44 237 6 784	364 73 4 9 97 57 57	10 426 194 97 90 107 4 21 77	1323 155 9 1 60 1 6	41 1876 140 126 70 532 28 68	9 1757 460 10 14 00 29	12 2405 1124 221 101 499 13 116	87 4,508 860 47 91 233 7 49	120 6,138 1 639 449 961 1 202 77 949	157 10 700 9,795 496 289 1 527 84 295
lereby leven leven landt leven l	15 4 5 9 7 1 73 4 1	24	162 24 49 49 193 841	142 ~5 70 1 5 32 44 237 6 784	73 4 9 97 5 57 203	426 194 97 90 307 4 21 77	1323 155 9 1 60 1 6	1876 140 126 70 533 25 68	1757 460 10 14 00 2 29	2409 1194 224 101 499 13	4,568 865 47 91 233 7 49	6,138 1 839 449 961 1 202 77 949	10 700 9,795 496 289 1 527 84 296
24 ton Toucester Tou	4 5 9 7 1 93 4 1		24 49 49 193 841	~5 70 1 5 32 44 237 6 784	73 4 9 97 5 57 203	194 97 90 107 4 21 77	165 9 1 60 1 6	140 126 70 533 28 68	460 10 14 00 2 20	1124 226 101 499 13	865 47 91 233 7 49	1 839 449 561 1 202 77 949	9,793 496 285 1 523 84 296
lordet lact lact lact lact Cers Af Af Af Af Af Af Af Af Af Af	8 9 7 1 93 4		4 40 4 9 193 841	70 1 5 32 44 237 6 784	97 5 57 203	90 307 41 21 77	9 60 1 6	226 70 533 25 68	10 14 00 2 29	221 101 498 13	47 91 235 7 49	449 261 1 202 77 949	285 1 52 84 295
isecs lance lance lance is of second second second second lance second second lance second lance second sec	8 9 7 1 93 4		49 4 9 193 841	1 5 52 44 237 6 784	97 5 57 203	90 307 41 21 77	60 1 6	70 532 25 68	14 00 2 20	101 49a 13	91 235 7 49	961 1 202 77 949	285 1 52 84 295
Joucester Joucester Jerts Andrakter	2 9 7 1 93 4 1		4 9 193 841	32 44 237 6 784	5 57 203	4 21 77	1 6	532 25 68	00 2 29	49a 13	235 7 49	1 202 77 349	1 523 84 251
unts erss nf instater instater itangbass kord onert onert ifangbass kord ifang kord yersy ko korsy korsy ko korsy korsy korsy ko kor korsy korsy korsy ko ko	9 7 1 93 4 1		9 193 841	44 237 6 784	57 202	4 21 77	1 6	23 68	2	13	49	77 949	84 291
leris ind paraster iorfolk vorthampton person person iffid iffid irrey Very St	7 1 23 4 1		193 841	237 G 784	57 202	1 7	6 120	68	25	1 116	49	949	29
nf nerster iorfolk orfolk itangham kord mar et kord ifolk troy varsuck	i 23 4 1		841	784	57 202	1 7	120	22.4		116	49		29
Jarraiter iorfolk iorfolk iorfolk iorfolk iorfolk icford ifolk irres iorfolk irres iorfolk irres iorfolk irres iorfolk irres iorfolk irres iorfolk irres iorfolk	1	1		784		1 1							
ierfolk vorthampton istagham istart istort istort iffolk iffolk Varwick	1			784				12		248	434		1 1 1 1 1
vorthampton (tingham) joner et (ffud (ffolk trey Varwick	1						405	1956	631	23		42	42
v (trophan) je <i>ford</i> jemer et if fird iffolk v trey Warwick	1	1			و ز	125	10	440	631	1054	1 419	3,459	5 038
)xloru omer et «frid "ffolk tfolk v ffoy Warmick					20 T	120	10	940	99	529	125	1 164	1,288
omer et i ffird i ffolk i ffolk i ffolk Varusch	8		55	28	18	9	37					l l	
i fford offolk i rrey Warwick	i	1	2	1 3	1 2	1 *	1	47	20	129	130	200	330
iffolk trey Warmick	23		231	300	5	123	95		8	21	10	39	45
Varwick	i ii	1 1	146	206	40		108	471	43	\$51	431	1 446	1.600
Varwick	1 1		1 140	6	1 **	13	1 109	317	264	804	658	005	1463
Varwick	2		1 0	13	1	14	1 .	60	1	1 40	1	109	110
X Ita	5	1	1 5	1.3	8	1	9	43	17	34	35	90	195
	1 1		8	71			23	28	27	25	64	67	131
Aprester		L I	23	66	2	25	15	148	9	1 1 9	34	423	4.52
fork W Riding	8	1	93	36	60	31	1 .4	53	18	79	57	231	28
	· · ·		24	30)	1 00	53	145	190	418	197	652	466	111
Wales	\$31	25	2458	387)	\$38	1074	2596	6546	4009	7855	10,001	10 946	29.94
Scotland	6	1	1	·	1		1			1			
Ireland	i	ł	28	52	14	87	40	244	103	168	285	501	680
Torat United Kingdom			2460	8025	952	1714	1636			20	2	47	49

NUMBER of Silk Factories in operation in the different Paris of the United Kingdom, with the Number and Ages of the Persons employed therein in 1835

	Evo	LAND	₩▲	LES	Scor	4.10	Insi		UNITED	KINGDON
Mills at work Mills at work Mills coupty	nur ber 263 28		number		nun	aber S	number		nun her 268 23	
	Engines	Horse Lower	Engines	Harso Lowur	Engines	Horse Power	Engines	Horse Power	Engines	Horac Power
Powan Steam power Water power	19 119 119	aumber 2300 9-1	6 ambor	aumper	tamber Ø	number 148	numper	pumper	avant er 267 109	number 2457 322
PERSON EM	Mat #	Females	Males	Pennlos	Males	Female	Mairs	Penales	Males	Pemales
PLO LU Unley 10 years 10 to 11 11 12 12 13 14 15 15 15 15 15 15 15 17 17 17 17 18 18 15 15 20 21 21 and upwards	a miler J 024 786 33 1 035 87 973 298 J41 290 248 250 3 3 6	t omber 1 157 1 154 3 7 1 84 3 7 1 855 1 67 1 74 1 523 3 460 1 409 5 460 1 409 5 400 1 120	tsumbor	aumber	bumber 3 4 5 15 14 8 11 9 8 3 160	bumbur 4 15 18 37 63 4,1 47 50 44 48 43 28 101	Pumper	is unaber	bumber 1 631 789 J7 757 1 648 802 887 406 352 294 254 254 8 406	aumber i 461 1 1/9 2 236 3 354 1 468 1 716 1 19 1 5/3 1 5/3 1 504 1 457 1 123 1 148 5 802
TOTAL	10 647	>2 823			216	647			10 863	23,370
Torsi males and f mil	33	4.0			,	63			34	233

STATEMENT of the Number and Power of Silk Factories in operation in different Parts of the United Emgdom, with the Number and Ages of Peisons employed therein, in the Year 1839

The declared value of British manufactured silk goods exported from the United Kingdom in each year since 1820, has been as follows --

YFARS (b plus	YEARS	Valu	YBARS	Value
	t		£		£
1.20	3175	1830	593 510	1810	792 648
6 1	3 4 47 3	16.0	57N 574	1841	58 N94
4 1	341203	183	62 396	1942	590 169
823	3 14 19	1 33	737 404	1843	667.934
5 A	442 H	1834	614 419	1841	736 454
nê 🛛	2 236	163	97 (3)	1 45	760 40
* 1	114 01	1630	917.5.22	1540	837 430
817	23/ 414	1967	51 1 173	1847	376 114
7	255870	1834	777 200	1	1
<u>ا</u> در	267 931	1839	865 118		1

It is, perhaps, not the least surprising of the effects which have followed the totil alteration of our system in regard to this manufacture, that this country now regularly exports silk goods to a considerable value to France, these exports amounted, in



forming nearly three fifths of the exports of those goods made to the whole of Europe The most considerable part of our export of silks is made to our North American Colomes, the West India Islands, and the United States of America

GOODS	SILK MANU	SILK MANUPACTURES IMPORTED INTO THE UNITED KINGDOM FOR HOME CONSUMPTION									
	From the 5th of July 1826	1827	1528	1829	1830						
SILES OF BURGFE.	lbs. oz.)bs. oz.	lbs oz.	lbs. oz.	lbs 0z						
Silk or sat n	P0 228 111	38,549 68	61 323 24	64.612 34	51 417 64						
	7 642 14	20 958 11	30,516 14	1 camerad							
- in ribbons	5 202 14	6 304 64	4 600 04	20.052 34	30 213 3						
Charles the ribbooks	3 617 15	16 210 14	21 91 13	23 765 114	28 550 4						
Crape Velvet	5,518 8	16 103 154	1840 7								
	52 10	242 2	2,101 104	33,748 0	14,847 6						
Rabbons emboased or figured with	Not entered u	nder tt is denomi	nation upol the	3 317 2	579 3						
veivet		5th of July 1829									
Fancy silk net or tricot	27 14	223 5	11 4	3 12	42 33						
Silk mixed with metal	330 5	583 104	519 74 125 1	435 128	419 7						
m 1100008	54 1	220 13	195 1	,							
Total entered by weight.	49 303 14	115,278 54	164 30 9	121 .53 131	126,370 84						
Plain silk isos or net called tulle square yards. Millingry ris turbaus or caps	40,676	129,238	\$71 005 <u>8</u>	1097254	114,3614						
number		376	295	393	368						
hats or bonnets d	119	428	414	529	535 235						
dresses do	24 . 4	£ 3 d	\$ 275	2 . 4	£id						
At value declared value Manu(actores of allk or of silk and any other materials not		50 12 0	23 10 0	20 19 0	154 4 0						
particularly enumerated	91 459 5 0	54,128 9 10	77 189 0 8	85 258 19 5	44 923 15 10						
SILES OF INDIA	ł		1	1							
Bandannas tomais and silk	ibs	The	lba	Tha	lbs						
bandkerchiofs pieces		55183	69 (28	6, 465	7 953						
Silks and crapes in pieces. do	82,754	18 150	15 677	10,164	-,978						
Crape shawls scaris, gowu pieces, and handkerchiels No.	77 778	94 200	4 769	1 959	17 620						

An Account of Suks and Ribbons (separately) imported from July, 1826, to 1930, inclusive

QUANTITIES of Silk (Manufactures of Europe) Imported mto, and Re-exported from, the United Kingdom

COUNTRIES	1831	1832	1683	1834	1835	1830	1837	1688	1639	1840
Germany Holland	Ibs 185 } 8,747	1bs 626 6,342	lbs. 111 1 5 50-6	16+ 523 6105	Ibs 75 4 788	ibs 1 208 9 694	1ba, 570 18,833	lbs. 1150 10,405	ibs 1 251 17 714	17 78
Belg um France Other countries	149 187	246,603	148,196	994 175, 469 1 019	38 168,772 1 561	237 179, 97 563	100 723 749	1 177 244 625 555	843 255, 45 4,354	267 477
TOTAL imported	148 831	154 434		183,875	175 454	191 651	182,358	206,933	2*6,531	291 (41
Toras, re-exported*	9 20%	8,503	16,139	16,115	17,579	9 573	9 402	17 2 3	21 874	46,853
ToTAL Quantit es retained for home consumption in the United Kingdom		144,956	142,267	166,261	100,840	180 078	172,800	947 067	236,631	243,246

· Chiefly to North and South America and the West Indica

COUNTRIES	1631	1932	1633	1631	1985	1836	183	1838	1839	1840
Tora L unported	pieces 185 117	p1 ces 14 106	pieces 295 160	pic # 3 4 600	F1 Ces 35 413	pleces 3.1 066	pteces 561,398	pieces 51 097	piece 503 182	pieces 655 175
BE STORTED TO										
Russia	25	3 3	363	264	692	1 243	1 159	1128	9 258	1 603
(man	10 357	14752	16, 41	21 (17	21 31	18 38	313.6	329 3	30 39	34,00
Ff iland	3 12 871	20 4 1	1 .5	4 692	811	45.00	729	\$ 124	7 184	6.685
Bulg m	1 12 601	1041	1 12 312	1 4	27 65	345-0	15 + 10	*2,61	1 619	13 102
France	3,95	24 57	5 30	64,565	96 0 40	51 148	14/4 4	172,8		103,317
I ortugal	433	436	2 069	3 X60	8 5 4 9	11.8	57	1 13	64	1 1 5 2
Spain & the Balearie I lands	173	6.36	0 703	84	11 464	8 183	8 %	0 449	11 025	16 044
Libraltar	445	3 646	48-5	4168	1318	1147	19 518	80,387	38 22	30 059
It'ly and the Ital an Islands	8 64	1035	11 11	13 1.5	12118	5 259	0,555		10 80	7 17
Maita	1 252	1 20	1 102	1 532	2 8	2,300	40	531	. 9	1.3
Turkey	1.4	113	1.0<13	1 15	17.1	84	551	1 327	1 594	3 .07
WLLID CONST of Africa	1,800	1 oi	2 644	1 450	2 635	2,863	2 154	2 12	4 819	4318
East in us C mpany s Terri tori s an + Cexion			70	37		25	1 1	230		
Brush S. tiements in Aus	1	46	70	37	37	20	1.1	230	13	19,025
Ital a	715	873	659	714	64	50	576	1 922	3 632	4 010
Briti h North American Colo	715	0.3	639	114	U-A	50	0/6	1 922	3 (132	4 010
BIGA VOLU ALBORICALI CONO	9.092	10 37 7	12.066	4,335	5.071	8,819	7 502	8,586	11 949	13 275
British West Inducs	5,357	6,119	4 871	\$ 0.3	10 18	11 75"	13 867	11 612	15.670	
H TO	0,001	0,110	2014	60	275	155	13 801		10,010	21 103
Cuba and other Forlign West		ł			~13	100	· 1			
l ie	3 757	3,639	2 639	~ 967	6,311	8,395	11 873	19 902	24 612	27 644
Inited Stat Ant America	18155	2, +13	10 00 1	2, 102	82 12.1	9 010	22 070	37 445	1 4.0	9 62
Mes co	10.91	200	1 9548	1 119	3 478	407	1702	9603	0 25	12.467
Colambia	50		30	195	\$70	310	360	1 3 10	3 149.	4 111
Brazil	131	2 054	4 857	3 990	6 240	11 004	4 576	11 164	-30	10 449
States 1 the Rio de la Hata	410	1 157	50	1 646	4 449	4.337	5 695	7 551	13 025	10 1.33
Chila		12 61	17.5	1 340	1048	640	3 445	3,202	11 C/3	11 100
Pera	859	964	455	100	415	769,	1 61	1 691	4 155	.31.
I i of Guernaey Jersey Al		5								
derney & Mau (loreign goods);		3 781	2 38()	2,237	5 824	1 031	2 388	1 212	1 535	141
Other places	607	a90	613	1 093	2 934	4,355	3 666	2 85	2 101	958
ToraL re-exported	100,337	10164	175 314	176 338	280 910	220 785	3.42,515	411 638	41 644	494 707
Total quantities retained for home consumption in the Uput 3 is ngdom	10/ 023	8 30	114,604	103 670	162,827	130 014	134 249	85 441	112,280	100 835

QUANTITIES of Indian Silk Goods (Bandannas, &c) Imported into, and Re-exported from, the United Kingdom.

QUANTITIES of Indian Crape Imported into and Re exported from, the United Kingdom, from 1831 to 1840

IMPORTED AND RE LX: ORTED	1831	1832	1833	1834	1835	1836	1837	1638	1839	1840
TOTAL Superfed	рі се 1367	pi 1.5	1 ecta 170	pieccs 76	pie c 37	pieces 142	pieces 142	pieces 115	pieces 184	pieces 870
TOTAL IL exported	818	1494	396	- 03	229	293	312	58	48	381
for toma consumption in the Locied K in		1 63	46	35	110	194	27	31	110	12

Chiefly to North and South America West Indies and France

NUMBER of Indian C	rape Shawl, &c	Imported inte	o, and	Re exported	from,	the
	United Kingdom	, from 1831 to	1840	-		

IMIONA SD RE	1833	1872	1533	1834	1635	1836	1837	1595	1837	1840
JOTAL Unported	100000 12 1~	numl r 2 17	ուահ ք 18 35	number 93	numb # 445	nomber 5119	107 ber 17 14	number 1071	numler 7933	numper 3009
TOTAL IL EXPETTed	1 2 910	15 lud	17 184	\$505	7 16	4 \$ \$ 7	10,325	11 2 7	10 162	6001
Toru) ntt retined frb cosmogonia	£									
d L Ikoşd m	10 141	1º 18	44.42	80.8	2740	3648	54	911	كى3	463

Chiefly to North and South Amer ca West Indies and France

4 & 2

QUANTITIES of Indian and Chuna Taffeties, & c., Imported into, and Re exported from, the United Kingdom, from 1831 to 1840

IMPORTED AND RE- BXPORTED	1831	1832	1833	1934	1835	1836	1847	1838	1839	1840
Toral imported	pieces 10 631	918CE# 6046	pieces. 3823	pieces 1501	pieces 2745	pirces 2801	pieces 18,241	pieces 12,659	pieces. 17761	pieces 20 799
TOTAS, re-experted=	6,383	5059	6412	4351	4831	4324	7,589	14 739	16,287	15104
Torat, quantities retained for home consumption in	£									
the United Kangdom	5515	2430	4355	2882	1813	1130	1397	3788	1912	1300

* Chiefly to United States, North American Colonies and to Franc

QUANTITIES of Manufactured Silks Imported and Entered for Consumption in the United Kingdom

DESCRIPTION		91	J A N T 1 1	IES I	MPORT	ED
		1841	1842	1643	1844	1845
MANUPACTURES OF BURGER		quantity	quantity	quantity	quantity	quantity
Silk manufactured goods viz	lba	239 814	234,972	251.51)	970,859	265 668
Gauge and gauge ribbons	do.	7118	6,895	43.324	18 209	37 608
Gauge and gauge Hopons	de de	863	397	632	30	1 000
Crape	ab	3,651	2,960	8,209	8,916	4 395
deiret and rel et rabbone	do	20 958	18.621	18 688	15,174	26 71
Ribbons emboseed or figured with veivet	do	451	904	294	635	1.09
Pancy silk net, or tricot	do	3,349	a 118	3.692	4.18	5 124
Silk mined with motal	do.	316	139	243	803	681
ToraL entered by weight	lba	276,539	268,001	\$92,291	316,053	341 441
Plain silk late, or net called tulle sque	ire yards	1,460	911	1 165	2,225	353
Millinery viz -		}	1	{	1	1
Jurbans of cape	number	754	1 345	695	1 061	1,037
Hats or bounces	đa	19"4	1756	1 1 1 1 2 3	1 659	1 972
Dresses	dn	230	39	385	498	(368
Patered at value	£	32	9	39	85	232
Manufactures of silk or of silk and other ma	teriula		ł	1		1
not particularly enumerated	ge	169 863	110,989	127,992	189 924	22 135
Saufactures of India viz]		1	1
Bandannas romals and silk bandkerchief	pleres	378 286	345 776	447 344	553,801	754 170
Silks and cropes 14 pieces	oh .	34 528	21 808	25 142	20 102	21 038
Grape shawls scarfs and handkerchiefs.	pumpet.	11 422	2 935	5,551	(12,585	7 374

QUANTITIES of Manufactured Silks Imported and Entered for Consumption in the United Kingdom-(continued)

DESCRIPTION		QUANTITIES ENTERED FOR CONSUMPTION								
DESCRIPTION		1841	1842	1843	1844	1945				
MANUPACTURES OF BUROPE.		guastity	quautity	quantity	quantity	quantity				
Silk manufactured goods via -	Jba	218.005	207 444	224.815	253. 5	244 234				
Silk or satu and silk, or sath ribbons Gause and guaze ribbons	de	218,005	0 315	201,813	17 528					
Gause and guaze rionons	de de	863	481	5051	39	37'908				
Crape	do	2 101	2,305	9 604	3 337	375				
Velvet and velvet ribbons	de	17 061	16.05	1 401	16717	250				
Ribbons emboased or figured with velvet		335	914	34	(1 111				
F nev mik net, or teleot	do	3 234	2073	36.0	4 111	0.025				
Silk mixed with metal	do	103	128	170	203	etul				
TOTAL ontered by weight	Itas	244 902	237 469	20 073	203 123	317 538				
Plain silk lace or not called talls agu	are yards	881	550	1 135	1 552	202				
Millinery viz				1	1	Į				
I urbans or cape	namper	971	377	363	53	09				
Hats or bonnets	do	636	546	01	919	1 1 3				
Dres es	do	143	182	134	313	279				
Eut red at value	×.	25	9	37	85	j 293				
Banufactures of silk or of silk and other m						· ·				
not particularly enumerated	do	153 057	109 611	113 400	175 103	°(891)				
Manufactures of India viz -	!					í				
Bandangar romals and slik bandkerchie		66,824	40 25 3	9 710	138 718	17 404				
Silks and crapes in pieces	da	1 349	1 198	2,353	1 218	4.15				
Crape shawls scarfs and handkorchiefs.	pumper	118	108	1,12	284	0.00				

Under the tariff of 1842 the manufactured silks entered have been in 1846 and 1847 as follows

DESCRIPTION -	IMPO	RTRD	HOME CONSUMPTION		
DESCRIPTION	1948	1847	1846	1847	
Silk Manufactures of Europe viz	parces. 26,385	pieces	pieces 8 895	pieces	
ilk or satur plain figured or brounded	14 492		5 667		
Sauze plaus	2,188		1 112		
- striped figured or procaded	1 457	Not classed as	712	ſ	
Tape plato	184	before	រ ទេ		
- ficared	3	1	3		
civet pla u	2 748		1 1 035		
- fgured	449		354		
Silk mappingetures of India viz -			1		
andannas & other silk handkerchiefs No	641,864	577 743	187 163	140,312	
),ito dista peces	348 042	(556	free	1100	

SILK MANUFACTURES-Entered under the Tariff of 1842

The imports of silk goods have increased very largely since the reduction of the duty in 1846 The above tables contain the particulars of the quantities entered under the tariff of 1842, in the year 1845, and for that portion of 1846 during which it continued in force The following table shows the quantity imported under the tariff of 1846, during the remainder of that year —

SILK MANUFACTURES-Entered under the Tariff of 1846

DESCRIPTION	IMI ORTED	HOME CON
	p) ces	pieces
Silk or satin broad stuffs	12:674	\$19.28
rib) op a	186 837	195 60
Sauze or crape broad stuffs	6.385	3,620
ribbons	32.069	34 770
materials in less proportion than one		{
half of the fabric viz broad stuffs	29	16
we ret siz	1 906	2 193
Broad tuffs Ribbons of velvet or silk embossed with	27 794	25 616
elvet	14 411	14 732

The two tables together give the following comparison --

SILK MANUFACTURES

PERIODS	IMPORTED *						
PERIODS	1644	1645	184+				
h p. clunder the tar ff of 1942 import dunder the traff of 1846	11 s 310 697	it# 303 06	164 48,423 191				
Тті	310 897	3.33 700	449.3.9				

Showing an increase in 1546 of upwards of *thirty* per cent, although the lower tariff was in operation only about eight months of the whole year. The followins show the imports, &c, of manufactured silks for the year 1546 and 1847 —

DESCRIPTION	IMPO	RTED	HOMBCON	HOME CONSUMPTION		
DESCRIPTION	1846	1847	1840	1847		
	pieces	pleces	pieces	D1 548		
Silk or satin broad stuffs	172 (83	358 888	119 24	[33 34]		
ribbons	186.622	191 247	195,/00	181 300		
Sauze or crape broad stuffs	6 284	5 908	5 620	5 000		
ribbens	31,969	42 791	34,770	41 143		
Bause mixed with bilk satin or any other materials in less proportion than one	,	}				
half of the fabrie viz broad stuffs	23	71	16	9		
- ribbons Velvet viz -	3,001	3 096	2 192	302		
Broad stuffs	27 799	28 450	2,616	25,3.		
libbous of relvet or silk, emboased with		1				
velvet	14 409	25 845	14,/33	15,814		

SILK MANUFACTURES-Entered under the Tariff of 1846

.

DECLARED Value of British Silk Manufactures Exported from the United Kingdom

COUNTRIES	1631	1835	1848	1845	1846
	£	8	£	£	4
Runia	497	1 238	1 1 11	8.093	
Sweden	191	814	و ا	263	
Norway	255	608	80	i 436	
Deumark	143	288	96	85	
Germany	19,000	30,955	15 270	36.687	
Holland 7	5 621	1 66,980	9 487	31 553	
Bulganna ()	2 025	1 17 973	14.373	44 126	
France	43 162	45 61 9	48,807	139 77 2	
Portugal Proper and Islands	4 760	19,996	1459	1 419	
Spain and the Balcario Islands.	- ,				
Ac .	\$4 613	4,885	6.944	3 006	
Gibraltar	3 989	5 638	7.341	7,933	
taly and the Italian Islands	7 677	1455	5 969	7 108	l
Maira Sc	111	1 93	2113	1 670	
Turkey	9,725	8 291	791	2,614	
Bgypt, &c.	125	13	1 104	1,06	
Western Coa t of Africa	464	744	1 1 1 1 1 1	5 455	
Lape of Good Hape	6.907	8 931	10 638	9,001	
Magritius.	1 3/3	2,473	6.144	1 491	
East India Company a Territo-	1 910	4,9/4	0,144) 1101	
ries and Coylon	5,271	8,029	16.337	13 416	
Sumatra Jays and other lainnds	B4473	0,040	10,001	1 10 10	
in the indian beas	500	\$30	360	1 905	
British Settlements in Australia	17 075	27 935	67 990	3, 187	
Sritish North American Colonics	93.013	SA 179	125,850	115,07	
- West Indias	27.508	31.242	50,230	24 649	
Hart	1 446	879	140	102	
Juba and other Poreign West	4 440	1 010	140	10.0	
In ties	11 924	8,561	13 80%	9.514	
In nes	21 983	537 040	274159	216.34	
desire	13 548	\$ 138	1/442	6018	
New Granada de	4 403	2 295	3 806	9416	
Braz I	,328	20 137	25 515	1 1020	
states of the Rio de la Llaza	13 319	18,307	20 510	9510	
Thit	5 615	3 887	30 051	9 943	
Pera	9 333	8 / 58	23,4.8	11105	
	9 334	6 / 20	20,200	1, 11, 10, 1	
derney and Man (foreign)		1		1	
	11 145	11 419	9 593	3 583	
goods)	11 140	395	47)		
Diher places	24	SAS	4/1		_
TOTAL	578,874	JTS 786	792,648	766,403	

tion, and h	xported in	on the Un	nea Kingo	iom		
SPECIES OF SILKS, Stated agree ably to their Designations in the h dub of the B ten of buty which	into the Uni	RTED ed Lingdom	for Hom C	INED Con umption ed Kingdom	EXPO from the King	United
the S h dule of the R tes of buty which regulates the kniry at the Custons House	2845	1840	1945	1946	1,645	1846
SILL NANDFACTURES OF EUROPE -	<u> </u>					
(Enter d previo ly to 19th of March 1846) Solk or sann plann liss or	167 145 1	26,385 7	154 6/8 12	8,852 1	11,952 12	4 262 18
man mixer With m fai ao	203 12	56	200 11	533	437 2	1.373 15
Silk figure l or broca led de	97 918 14 226 0	14 491 19 34 9	83,635 0 216 9	\$ 636 15 23 0	39 0	8 1
Gaure ; in do mixed with metal do	21 633 13	2,187 13	20,251 7) 212 1	519 7	5 14
- arriped squrid or brocaded do	15 934 6	2,057 S	15.546 11	711 8	114.10	4 9
Caret refoulards do	8.9		8.9		379 15	41 12
- mit d with metal do	4,331 15	183 14	3, 60 0	01 80	1	41.13
Crape neu cd dn max d with metal do	43 8	8 1 0 %	50 0 7 J1	28	010	
Veirct, plain do do	23 105 4	2,747 14	19 010 J 20 10	1,034 12	3,799 10	018 9
teiver huret do	3,615 5	449 4	3,017 3	353 10	124 14	318 13
mix d with metal do Ribbons, embossed or figured with veivet,	28		28			
- ditto mixed with metal do	1,929 6	23 12	1,923 15	210	4 3	
(Entered from the 19th of March 1846)	.,		0.5			
Brat riff ver Suk or the plane straped figured or				}	}	
brocad i lbs ox]	122 082 13		119 659 5		11 667 10
Gauze or crape dutto du Cauze mused with sith satin or any		0 163 14		5,590 5		
Gaus, mixed with sitk satin or any other materials in less proportion than one ball part of the fabric do,	í I	92 6	(15 9	{	95
velvet plan ur hgured do Ribbens i ~		27 799 0		25,595 9		2,701 3
Playn alk of one colour only do		1,993 4 85,602 11		1 338 5		780 30 14
Salk or satin straped figured or bro		85,002 14		87 772 3		~
cad d or plaus ribbons of more than or e c lour do		99 006 0	1	105.97. 8		1641.10
Gauge or crap. plain striped figured do		31 958 13		36,470 15	()	73 8
Gauge mixed with silk, satin or other		0.200 10				
mater al of less propertion than one-hait part of the fabric do		1,901 0		2,191 8		103 19
I lest, or sail embowied with velvet do Arncie ente ed pre iously to the 19th of	1	14 401 9		14,706 12		103.12
Article ente ed pre tously to the 19th of M rch 1846 as bilk Manufactures) Unen m rated viz -				1		
Of alk r suto plain striped, figured or by ded do	1	11 630 7	ſ	11 101 11		428 12
Of stage of crape ditto do	}	3,450 13	}	3 449 4		1 9
Of gau e maxed with silk satin or any other material in less pr por				ł		
tion than one has part of the fabric do Of velvet phen or figured do		330 9 1 109 15	1	339 9		71
Plash warm niv a cd for making hats	l		[1		
(ont cd prer -st)y to the 19th of March 19th as blik Manufactures unenumerated do	ĺ		{	I	[]	201 11
trufficial di wer datto voice f		117 468 4 29 9 1 13 9		117 039 11 29,386 13 9		338 0
Fancy ill net or tricot ibs on. Plain sik ince ar not called talls zq yds	5,123 11 355	6,536 10 23	5,027 13	8130 7	30 11 66	145 13
- ditto ibs of		55 8		55 8		
Sitk MANUFACTURES OF INDIA Bendmans and other bandkerchicle of	ł			•	1	
Briti i pos eva mas pieces - pot of British possessions do	736,022 18,148	609 290 32,468	175 144	180 711	414 993	471 817
Crape shawis carfs, and handkerchiefs number	7,574				15,075	13.100
Sitts and crape in pieces, of Britt h		37,943	1 086	962	1	13,162
passession preces	10,717 10,331	4 996	1 332	214 2,706	20,689	19 369
MILLINERY						
Tirbans or caps number Hat r bonnets, dt	1037	1 556 2,683	1,053	1457	528 818	89 1 016
Dr s do At value ra lue £	2312 10 0	420	29	211	મ	109
Salk Manufactures not particularly enu					1	
mer ted and Arucles of the same.) '	1	
of Brt +b posses (Cu ralue £	2,817 0 6	1736	2 916 9 8	1 240 3 6	1 525 0	387 D
Not (British posses lons alue £	230 N29 4 4	196,803 13 3	217 734 4 4	114,313 13 3	16 171 0	12,000 0

FOREIGN and Colonial Silk Manufactured Goods Imported, retained for Home Consumption, and Exported from the United Kingdom

	No. 1	NUPA	CTURE	S 0 7 81	LKON	LY
COUNTRIES TO WHICH BXPORTED	Staffs or Ribbons,	Lace	Stockings.	Fringes Lacer Sewing Silk and Small Wares (Entered at Value)	Torist and Yaru	Acgregate Manufactures of Silk only (D clared Value)
Rams Northern Ports	1bs 334	yards. 112,708	dos. pairs	£ 170	1bs 369	£ 1 218 149
Ports within the Black Sea Sweden Norway Denmark	98 66 174 94	1 260 2,470	{	56 85 1	2	197 240 98 10
Prussia Hanover Hansentic Towns Holland	7 8,428 6 233	180 496 53,595 10,347	1	50 1751 3,491 1794	53 608 50 449 43 924	50 43 48 J 50 51 1 43 745
Belgiom Changel Islands Prayer Portugal Proper	7 /71 5 494 49 910 137 444	16,347	19	173 875	\$06,732	3, (* 6 164 266 169 446
Spain Controcutal Spain and the Balearto Lalands. — Canary Islands	367 2,927 57	684	209	37 50 50		530 4 30 129
Gibraitar - Italy Sardinian Territories 	1 186 709 723 92		e	32 50 100	{	1 205 1 640 1 648 1 17
Maples and Sicily — Austrian Territorias Maita Ionian Islands	805 1 971 985 267	1 566	ł	4 39 25		935 9,474 3 543 393
K ugdom of Greece Turkey Syria and i aimsune	691 90 1059		94 45	84 190		4 9*2 12 1,4 0 2 167
Egypt Western Coast of Africa Cape of Good Hope Cape Verd Islands St Heleps	2 319 3,363 10 26			375 500	}	2 167 4 4,72 0 30 2,115
Mauritais Bratish Territories in the Best lodies Java	I 632 11 964 527	959	63	789		13 112 317 543
Philippur Islands. China Butish Scittlements in Australia Butish North America Butish West Isdies	492 106 22110 82,408 9,350	95,144 102 638 9 474	75 84 110 63	*6 799 10 120 1 247	15 60	279 28 171 145 17 18,607
Cuba and other Foreign W st Indian Colonies United States of America Mosico Central America	4 078 41 090 1 763 87	131,370	2,646 9 074 530	1 003 36 362 345	8,154	10 334 132, -54 3 5 5 44
New Grazzda, Venesuela and kcuador Brazil States of the Rio de la Pista Chili Peru and Bolivia	1 224 6 1 18 140 5,491 2 496		88 1168 974 2835	686 910 690 755	160	1 (11 9,364 398 9 5~0 11 024
Russian Settlements on the North West Coast of Ame rica	1					8
TOTAL { 1946	246,135 282 610	600 072 432 068	18 070 19,939	82,663 77,806	464,825 344,201	692 594 622,334

BRITISH Manufactured Silk Goods Lyported from the United Kingdom in the Years 1845 and 1846

	MANU		MATERIAL	XED WITH		TAL	
COUNTRIES TO WHICH EXPORTED	Stuffs or Rebbons	Stockings	Fringes Laces and Small Wares.	Aggregate of Manufact tres of Silk mixed with other Materials	Declared Value of Siik Goods		
			(Entered at Value)	(D clared Value)	1846	1845	
	lbs	dozen pars	£	£	. E	e	
Russia Northern Ports	96 306	-		27 231	1,325	9,599 496	
Swiden	306	i		201	3/6	496	
Nitwiy Determink	28	1	1	21	261	430	
Prussia					98 10	85 40-	
Hauorer					56		
Hadseatic Towns Holland	5,968 1.071	350	5	8,30 1,2(3	47 22 ⁴ 51 / 4	36 647 31 59-	
Belpy ing	1. 822	350	255	19 552	56 198	44 126	
Channel Islands	132	1		50	3 728	3 583	
Pray ce	9,,194 2 1.32	1	119	8 158 404	172 424 573	139 772	
Portugal Proper	38	1		26	472		
- Madeura Spain Continental Spain and the	38	ſ		31	501	65	
Balearic Islands	3 082	ļ		2,354	6.7~9	6.647	
- Canary Islands	93	1		76	205	3/1	
Sibraltar taly S rduping Torritories	428			163 423	1 429	2 933	
Duchy of T any	2,730			9 636	3,084	3 841	
- Duchy of T any P pal Territ ries	24	1		20	137	~85	
A trian Territories	3 095 836	1		9,347 632	3 252	121 26" 1	
Malta	348			194	1 737	645	
buinn Islands	52	ļ		39 79	432	931 94	
Tukov	2.004			1,325	2 297	94	
Syria and Paleating		1			18	136	
Bgypt West rp Coast of Africa Cans of Good Bons	492 206			280 145	1 700	957 5 8 -1	
	805	1		663	5 155	0 813	
Cap Verd Islands St. Helena		1			20 30	20	
Motrius	414			194	2,309	69 1492	
British Territories in the East		ł	1				
ludics Java	538			424	18 .36	18,410	
Philippin Islands	92		1	75	618	510	
C) as	84			26	296	524	
Briti h Settleme its in Australia Briti h N rth America	3 788	96	287 332	8 445 4 469	\$1 618 130 186	\$3,357 118 907	
Brit ab West Indies	1 076	105		669	13,676	24.51	
Luba nd etter Poreugn West Indian Col nues		ł			10 083		
Lited States of America	609 118 749	1)	649 93.510	225,354	9 535 218 377	
Mexico	87	1		70	3,613	6 618	
Contral America New Grapada, Venevaela, and		ł			- 44		
Echador	244	1		195	3 906	9 416	
6 a 1	306	1	1	1 649	11 413	14 0 28	
tat s of the Rio do la Plata	1078	1		856	1 254	9,510 9 993	
Peru and Bolivia	. 200	1			11 024	14 0.42	
Russian Settlements on the		1	1	1			
Nint Wit Coust of Ame		J			3		
		·					
TOTAL {1840	183 34 186 633	587 1018	998 707	144 553	837 577	760 105	

BRITISH Manufactured Silk Goods Exported from the United Kingdom in the Years 1845 and 1846-(continued)

						Lon	don N	larket	i.						_
I EARB.	GHI	NA		BE	NGA	6	PER	SIAN	в	RUT	[A	ITALIAN RA Berg			IOWN
2	(ł					1			Cocoo	that .	Des	lers.
1830 {	Teat Tay	11 01 12 3	6 15 0	Common Superior	10 0b	12 0 15 0	}	* d to 96	Short	6 d 11 0't	12 0 12 0	3-4ths 17 4-5ths 16	s d (o 19 8 18 0	#2 24 24 26	to 24
1831 {	Teat í ay	16 0 13 0	17 0	Superior	126	14 G 18 0	2 0	11 6		12 6	15 6	3-4ths 19 4 5ths 17	19 0	19 24 24 26	24 9 24 9
832 f	Tat. Tay	14 0 25 0	15 0 13 0	Common Superior				, ↓ 9 {	Short Long	116	12 6 11 6	3-46hs 1" 4-5ths 16	18 0 17 0	22 24 24 28	22 5 92 3
F331 {	Test Lay	13 9 13 3		Common Superior				J 8 {	Short Long	11.0	12 6	3-1th 18	19 8 	12 24 4 26	23 2 27 3
834 {	Tsat Tay	100 170,	-	Commen Superior				13 0 {	Short Long	16 S 14 O	J8 6 14 6	3—4fbs 23 4 Julis 23	24 0 24 0		30 3 30 3
1832 {	Tay Tay	19 0 16 6		Common Superior	12 0 15 0	15 0 20 0	} 12 9	\$0 EL	Short Long	150 136 ₀	17 0 14 0	3—1ths .3 4—3ths 22	25 0 5 24 0		30 a 120 a
836 {	Teat Tay	920, 205	, <u>95</u> 0 21 U	Common Superior	14 6 ¥ 20 8	18 0 23 0	}1a 3,	, 13 e {	Short Long	18 0 7 16 0 7	21 0 17 0	3-416s 21 4-316s 94	20 0 20 0	12 24 4 26	13 3 33 3
B37	Teat, 1st sort Do 2nd do Do 3rd do.	21 0 . 19 0 .	23 0			15 0	}12 G	12 6	Short		1	3-11kha 26	30 0 1		53 J
L c	Tay Tsat, 1st sort	16 0		Superior Common		22 0 15 6	נ ר	L 7	- 1			4-4ths 24 3-4ths 25	27 0 1		, 32 3 31 3
839	Do 3nd do Do 3rd do Jay	190	91 0 19 0	Superior		20 0	}n 6	18 0{			1	4-3tbs 24 ,	- 1		
839		24 0 , 91 0 , 18 0	95 0 23 0 20 0	Common	14 0	16 G	}12 0 ,	. 13 6	ļ		- 1	3-41bs 25 .			<i>31 3</i>
ł	Tay Teat, 1st sort			Superior		23 0 15 0	7	د د	1		- 1	4-3ths 24 8-4ths 23	25 0 5		8 08 . 8 18
840 {	Do 2nd do Do, 3rd do Tay none	23 0	94 0 92 6	Superior		21 0	}12 0 ;	, 18 0{	Long			4-3ths 22	T	4 26 .	
₩1	Trat 1st sort Do 2nd do Do 3rd do.	21.0		Canmon		15 0	}11 0	30 64	Short	0 61	99 0	3-412as 92	24 10 5		29 3
	Tay none			Superior		19 0	1	L	Long			4-8ths 19	22 0 1		27 2
642 {	Teat 1st sort 2nd & 3rd do Tay none Cantou	91 0 , 18 0 ,	20 6	Superior		12 6	00	12 0	Short Long		ł	9-4(bs 2) 6-4(bs 19 ,	23.05		28 3
r c	Tent lat sort	23 0		Common		19 0 12 0	י ר	d	Short			3-4ths 21	23 0 9		35 8
843	20d & srd de Tay none Canton	17 0 9 0	20 6	Superior		18 0	80	u o{	Long	10 U "	1	⊷\$ths 19	31 6 2	4 20 .	24 2
	Teat lat sort 2nd & 3rd do. Tay none Canton	23 0 10 0 10 0	28 0	Common Superior		12 6	}	11 0{	Short Long		- {	⊢iths 23 ⊷5ths 92	25 6 2	2 34 1 26	37 % ~ 2;
	Tant 1st sort 25,6 & 3rd do Tay sone	21 0	- 1	Сорына		12 0	, 10 0		Short		- 1	-film 23	25 0 8		97 H
<u>ر</u>	Canton	10 0		Superior		10 0	J	- 7	Long		· 1	-5 ths 21	23 0/2	• •••	26 L
840 {	185	13 0 14 0	17 0	Common		11 8	10 0	11 0{	Short		1	-4ths 93	25 0	24	26 2
	Canton	10.0	14 6	Superior	12.0	18 81.	·		Long	13 0	13 6 4	5ths 21	23 0 2	1,26	8 2

Paters of Silk, per Pound, on the 1st of January during the following Years, in the London Market.

SHEEP AND SHEEP S WOOL — We have examined all the information which we could procure with regard to the products of Inda, solely with reference to the supply of the raw materials which we require from abroad, and although the United Kingdom has, from the remotest periods of which we have any account that can be relied upon, yielded wool in great quantities, even for exportation, yet the supplies which are demanded for one of the greatest branches of our manufactures has been annually increasing, and, as cheap labour is ubundant in India, it becomes a question well worthy of consideration, how far many of the higher distincts are adapted to profitable sheep pasturages

It will be observed in the following tables that the first imports of sheep s wool into England from India appears to have commenced in 1831 Nor do the exports of wool from India (See Commercial Tables, pages 144 et seq) appear to have taken place earlier

The imports of sheep's wool into the United Kingdom from India, and from all countries, have increased as follows ---

1 EARS	In 1833	From India. 3721 lbs	From all C untrues	YEARS	In 1833	From Indus 3 721 lbs	From all Countries
	India Ibs	Australia *	Quantity		India	Australia *	Quantity
2439		2,377 059	28,128 973	1840	2 441 370	9 721 243	40,435 291
1513	3 21	3 51 869	38 040 687	1841	3 008,164	12,399 090	50 170 474
1+41	67 763	3 . 58, 892	40 465 232	1642	4,216 083	12 359 671	40 681 630
1 15	23 645	4 210 101	42 174	1543	1 916,129	17 330 714	4 NO 001
1636	105;393	4 10 645	F4 239 977	1844	2 76 863	17 C02 247	65 079 524
1637	1,860 11	7 060 525	4639708	1845	3,975,866	24 177 317	75,551 958
1835	1 8.7,266	7 817 423	52,594 355	1846			
1 39	2 103 546	10 128 774	373 J J23	1847	l		

It will appear that in 1845 the amount of sheep s wool imported from India and Australia exceeded the naminy imported from all parts of the world in 1833

Indix has been considered a country far from being adapted to the rearing of sheep for wool Of late years, however, considerable quantities of wool have been exported from the British presidencies (see Tables) The sheep, however, are evidently of inferior breed Dr Tennant says —

The Bengalee sheep is small, lank, and thin the colour of three-fourths of cach flock is black or dark gray In Asa, the colour of eattle generally is the reverse of that in India, what we term in England a herd of black cattle is here white, a flock of sheep which at home is usually white, here it is dark gray or black "

The quality of the fleece is coarse, harsb, thin, and hairy No part of clotling or domestic furniture, so far as Dr Tennant had observed, is manufactured of wool, except a coarse kind of blanketing, which some of the boatmen and people in the upper districts use during the cold season as a coverlet at night

Di Tennant describes the Coromandel sheep, between Bengal and Madras, rs infrior to those of Bengal in fleace and carcase Their coarse han and their incompact form approach to the goat or deer Two or three may, in some places, be bought for a rupee, but absolute want only can make an Englishman relish the multion

There are in Bengal sheep with four horns, two on each side of the head Thev air a distinct breed, superior in size, and better proportioned than the common kind

Dr Tennant says, there were five families of shepherds near Benares, who

possessed 1500 sheep, they seemed a particular class, who chipped the wool of their sheep and manufacture itinto blankets

The Cabool sheep are fat, and have a larger excrescence on the rump than that of the Cape sheep—it is nearly half as large as the whole body Mr Johnson says -

" In the Mysore, one man and a dog attend to a flock of ten rams and 100 ewes

"The male lambs are partly sacrificed, partly kept for breeding, and others, when three years old, are castrated and sold to the butchers

¹⁴ The even breed at two years old, without observing any particular season, after bearing four or five lambs, they are sold to the butcher For three months the lamb takes all the milk, for the next month a small quantity is given to the pail—thirly ewes not giving more than a quart, which is taken once a day by the shepherd I is mixed with 'the milk of the cow or bufflor The sheep are shorn twice a year Fifty fleeces weigh about a maund (24 hs 6 oz) The wool is coarse, and chiefly serves for making a kind of blanket In Behar the fleece weighs half a pound During the day they are pastured upon the weste grounds, but at night hey are usually penned near the shepherd's hut During the ploughing seasons they are hired by the farmers to be folded upon their fields. The hire is no more than food for the shepherd

"Water is given to them twice at noon, and two hours subsequently

"In Combatore there are two varieties of the sheep, distinguished as the Curumbar and the Shaymbluar

"The miniton of this district is described by Dr Buchanan as most excellent, and even that fattened upon grass as in good condition, the pasture having a short and nutritious herbage

" Of the *shaymblar*, which is a long legged sheep, humped somewhat like the ox, I shall take no further notice, but I would recommend the *cucumbar* sheep very strongly to the notice of those who are endeavouring to improve the agriculture and the commerce of India

"It is a small compact sheep modelled very much like the Southdown, but on a reduced scale, and with a bead shaped like the Merino Its hind-quarters are particularly well formed The animal fattens readily, and its fiesh is close-granned and well favoured The wool is thick and curly, and almost enturely free from hair The facece is generally white, and the head black

"In Cosmbatore they are shorn twice a year The wool is not very fine, but crossed with some other finer-fleeced kind, or even by better management the staple might unquestionably be improved

"The Jeypore sheep are large with white fleeces, and generally black faces They are to be bought for less than a rupee each Mr Barbere, of the Hawper Steed Depót, sent some of the wooi to Calcutta in 1831, and it was then valued at eightpence or ninepence per lb, being of a very low description compared with that which commands a market in England The short experience of Mr Barbere was sufficient to show that the flece emproved as the animal was better fed ⁴

"At present in Bengal, and most other parts of souther a Indu, the wool is of a very inferior quality, deficient in that elastic softness arising from a spiral fibre which characterises the superior kinds but having that coarse, dead feel, which arises from its straight, havy texture

"Inferior as it confessedly is, yet the export of wool from India, chiefly from Bombay, has yearly moreased

"In 1833, there were only shipped 69,944 lbs but in 1837 it had increased to 2,444,091 lbs "

The prices for which Indian wools were sold in London in 1839 were-

Superior white free from gray hair soft and kind (relatively) Fair quality and fair in other respects	10 9	to	11 per lb	
Fair quality also fair in other respects Superior mixed with yellow or gray Gray and low	6 41	, ,,	в", 7, 5	

· Trans Agri Hort Soc of India

"From the prices paid, with the cost and charges, it is said not to leave a profit, and from the remarks made it is evident it must be improved in quality before it can assume a firmer place in the home market *

"The remarkable improvement in the Australian wools is not to bafairly tested by comparing them with those of Germany Io the latter country, wool is grown as an exotic, in door production, the sheep being carefully housed during a great part of the year, and the rapid decline in the fineness, and every other property in which the excellence of German wool consists, is so great when the least neglect or undue exposure to the weather has been suffered to take place, that by one year's bad maanagement the produce of a flock is often deteriorated to the exitent of 25 per cent

Not paying attenuou to this difference of system, the earlier wool-growers in Australia attempted to raise wool which should complete with the finer produce of Germany and failed and even bad they succeeded, would only have had a fleece weighing $1 \frac{1}{2}$ b at 3 S = 4s 6d They now have a less costly, but more marketable staple, averaging 4t libs at 2 S = 9S, and not unfrequently 5 to 6 libs per fleece, but it took some vears to retrieve the error that had been committed at the outset 1

'To improve the fleece of the native sheep, crosses have been attempted with imported Merinos and Southdowns, but all with more or less want of success Mr Hulse, veternary surgeon at Muttra, thus enumerates the causes which induced the failure of some Merinos which came into his possession —

"1st There is the greatest difficulty and it is almost next to an impossibility, to get a trastworthy shepherd, and (unlike the shepherds of old) they are excessively stupid and ignorant.

"2nd The sheep must always remain housed, for if the shepherd is allowed to take them out to graze he will to a certainty allow them to mix with other sheep, and the breed will be runed

'The expense is very great in keeping them always housed, and the price realised when fat will not admit of it

"4th The lambs do not grow to the size of the imported sheep

"5th The wool of the progeny bred in this country becomes coarser, and is consequently of less value It is also essential that the wool should be long, in order to make the best price of it, the sheep should therefore be shorn annually, but it is found in the upper provinces that sheep will not fatten with heavy fleeces, and therefore it is necessary to shear them twice during the year, viz, about the beginning of March and middle of September, a thick fleece also retards their growth

""6th. They degenerate not only in sue [as spoken of), but in appearance Instead of the black spots upon the face, and frequently upon the legs, instead of the black legs, and brown or tan colour of them, many of the young have thek coarse legs, covered with short coarse wool in fact, in every way they lose the same appearance as was possessed by the imported sheep

"7th The sun and rain, extreme heat and cold will kill them

"6th The size of the mutton is not larger than what is commonly met with in Calcuita, nor would it be so large if proper attention was given to the feeding of Behai or Merwar sheep, for the Calcuita market"

The sheep of Mysore, mentioned by Dr Buchanan, yield decidedly the wool most resembling that of English growth that I have seen in India. From the sheep being natives of the tropics, from their compact form and from the bulk of their fleeces, I believe that more could be done for the improvement of Indian wood, and the consequent increase of its export by a careful attention to this kind of sheep, than by any other direction of effort

1 So long as the pastures are scanty, to give each sheep a small allowance of grain daily

'2 To give them as regularly a supply of sait. Its use for this purpose is notable gether unknown in the East but in some countiens, as in Spain, it is given to their flocks at the inter of 112 lbs to every 1000 sheep in five months. Mr Coursen, the late M P for Combining and every sheep of his numerous flock about half an onnee per dam I have, hard more than one great flock master say.

Proceedings of Agri Hort Soc of India, March 1840 p 12 + Ibid p 18

feece, would succeed well without a supply of sait ' Mr Youatt, no mean authority, says, 'that it is the basis of every medicine which really has power over the rot and in the early stage of that disease it has often completely arrested ins fatal progress

" 3 'The bird and lass essential point I shall menton is providing sheller for the Bock This can be done at a very trifing expense, and the benefit to the general health, and to the superiority of the wool, I am told, is only to be appreciated by those who have compared the fleeces of sheltered sheep with those produced by sheep exposed without any care to the full meridian sun, to the heavy ngitt deve, and to the storms of these tropical latituities—a few panels made of max hardles, supported by stort bamboo stakes, and arranged in the form of a rectanguitar cross, is all that is required, and may be constructed in the vicinity, or in the middle of the usual pasturage, and moreable at pleasure, for a very few rappes

BRITISH WOOLS AND WOOL TRADE.

The British legislature having, for a long period, prohibited the exportation of wool affords an example of folly as well as of ignorance and stupidity, which experime has established, by the extraordinary meresse of the importation of foreign wools. It is not within the scope of this work to enter into lengthy details respecting the kinds and qualities of wools further than that in statements regarding. Oriential commerce, and also with respect to the prospect which China may open for the sale of British woollen manufactures, and the increasing supply of the raw material from the Cape of Good Hope, the Australian colonies, and India, wool and the woollen trade constitute in commerce a subject too important to be overlooked.

Wool has been usually considered as long and short wools, and these again into various subdivisions of length and fineness

Cleanness adds greatly to the value of wool, and in this respect the sheep wools of India, like the cotion wool, is said to be generally dirty Spanish wool is always well washed immediately after shearing , English wool is usually, we believe, washed rather imperfectly before it is shora

Merno sheep were introduced into England m the reign of George III, who patronsed this based But it has been ascertained that, though the fleece does not much degenerate here, the carcase, which is naturally ill-formed, and affords comparatively little weight of meat, does not miprove, and as the farmer, in the kind of sheep which he rears, must look not only to the produce of wool, but also to the butcher market, he has found it his interest rather to return to the native breeds of his own country, and to give up the Spansh sheep They have been advantageously crossed with the Southdown and others, but without crossing they were found to be unprofitable from their inferior flesh

According to the evidence taken before the Lords in 1628, and other statements, it was considered that the quality of British wool had deteriorated for several years. This is supposed, or affirmed, to have ansen from the sheepowners being anxious to increase the weight of the carcase and the quantity of wool at the same time Mr Culley asserted, "that the Herefordshire sheep that produce the finest wool are kept lean, and yield $1\frac{1}{2}$ bl each, and if they be better kept they grow large and produce more wool, but of an inferior quality ' The turnip culture has contributed to a larger breed of sheep, and lessened the value per lb of the wool Mr Fison says ("Report, p 350, 'that twenty-five years ago the weight was $2\frac{1}{2}$ lbs at leece, and that now it is 3 lbs or $3\frac{1}{2}$ lbs ' According to a table furnished by him, it appears that of fifteen tods, or 420 lbs of clothing wool grown in Norfolk in 1790, 200 lbs were prime, while in 1828 the same quantity of Norfolk wool only vielded 14 lbs prime), and other witnesses confirm his statements

Mr Luccock, in his "Treatise on English Wool,' estimates that all sorts of wool yielded by the sheep of England in 1800 at 384,000 packs, of 240 lbs a pack Mr Hubbard, a wool-stapler at Leeds, estimates the quantity of wool produced could not, from the greater weight of the fleece, be estimated under 463,169 packs

Mr Luccock estimated the

Number of long woolled sheep in England and Wales in 1800 was	4 153, 908	
of short-woolled datto	14 854 299	
Total number shorn		19 007 607
Slaughter of short woolled sheep per annum	4 221 748	
Carrien of ditto	211 087	
Siaughter of long woolled db. o	1,180,418	
Carnon of ditto	59 020	
Slaughter of lambs		
Carrion of ditto	70,028	
		7,142 856

Total number of sheep and lambs

In Scotland, during the last sixty years, a great increase has taken place in the number of sheep In the Highlands, many of the proprietors have transformed their estates into large sheep farms The Cheviot breed of sheep have, under the term of *long sheep*, from their long wool, supplanted the small blackfaced heath breed

According to a general report on Scotland, in 1814, the number of sheep was estimated at 2,850,000 Since 1814 the number may be estimated at one-third more, or altogether at about 3,750,000

According to Mr Wakefield, there was not (when he wrote) a single flock of breeding sheep in the whole province of Ulster —(" Account of Ireland, 'vol 1, p 341) And though there may now be considerable flocks in Roscommon and other counties, we believe that if we may estimate—(though in Ireland it is difficult to ascertain any approximate estimate)—the whole number at probably not more than 1,600,000

30,000,000, or 10,000,000 less than Dr. Colquhoun estimated (a very uncer tun authority) for 1812, may probably exceed the present number of sheep in the United huggdom

From 1660 down to 1825, the export of British wool was strictly prohibited M_1 John Smith, in his "Memoris of Wool," exposed the injustice and absurdity of this unwise and most arbitrary system IIe clearly proved that if manufactions climid by preventing the exportation of wool, this was more than counter-

26 150 468

balanced by the loss to the agriculturists But, in despite of Mr Smith, the prohibition of the exportation of wool was continued until 1825

As late as the year 1802 the importation of foreign wool into Great Britain was free of duty In 1802 a duty of 5s 3d a cwt was imposed on all foreign wool imported In 1813 the duty was raised to 6s 9d, and in 1819, Mr Vansittart raised it to 56s a cwt, or 6d per lb⁺ The use of foreign wool had become indispensable for the manufactures, and the imposition of a duty of fifty per cent caused the manufactures to suffer for a considerable period after

In the evidence taken before the Lords' Committee on the subject of wool Mr Gott, of Leeds, informed the committee that he used only foreign wools, and that, in certain descriptions of cloth, "he could not make an article that would be merchantable at all for the foreign market, or even for the home market, except of foreign wool"

"Can you give the committee any information with respect to the competition that exists?"---"I think the competition between foreigners and this country very strong In some instances the foreigner has, probably, the advantage, and in others the superiority of the British manufacture. I think, has greatly the advantage, that would apply, I should say, particularly to the fine cloths of Great British compared with foreign cloths, in some descriptions of low cloths, the foreigners are nearly on a footing, and in some instances, performant, superior to so "

"Speaking of the finer cloths, is the competition such as to render an additional duty on the importation of foreign wool likely to injure the export trade "-"I have no doud, speaking on my ough, that it would be fatal to the foreign cloth trade of the country I would say further, that it would be equally injurous to coarse manufactures of all kinds made of English wool The competition now with foreigners is as nearly balanced as possible, and the disturbing operation of attacks of that description would necessarily enable the foreigners to buy his wool cheaper than we should do it in this country the result would be, that foreigners would, by such a preznum, be enabled to extend their manufactures, to the exclusion of British manufactures of all descriptions"

On being saked whether, in his opinion, the price of British wool would have been higher, had the duty of 6d per lb on foreign wool been continued, he replied --

"My opinion is, that the price of British wool would have been far less at this time" The duty was afterwards, in 1890, reduced to 1d per lb on foreign wool, and in 1845 Sir Robert Peel abolished the dit y

TEARS	Weight.	YEARS	Weight.	YBARS	Weight,
	lbs	1	lbe		ibe
1801	1 7 371 774	11817	14 061 792	1688	38,076 418
1603	7 669 798	iters	\$4 749 570	1834	46 455 232
1803	5,994 740	181.)	10 100.970	1635	42 004 050
1804	7 981 595	1820	9 774,605	1836	60 365 415
1805	8 069 793	11891	16 5 22 567	1837	43,510,809
1806	6 775 636	1822	19 058,089	1839	53 81 4 597
607	11 487 030	1623	19 366,725	1639	52 9 9 221
808	2 284 492	1824	22 564 485	1840	49 710 396
809	6,758,914	1825	43,810,966	1841	62 852 013
810	10 914 137	1826	15 939 119	1842	44 979 144
811	4 7 32 782	1827	99 115 341	1848	46,443,032
819	6 987 575	1828	80 236 0 19	1844	64, 13 61
	records de-	1829	21 516.649	1845	26,813,855
818	stroyed by fire	1630	82 303,314	1846	65,255 469
614 Š	15 492 311	1631	81 652,029	1847	62 1.10.307
815	13 640 375	1632	28 142 489	1848	06,130,301
816	7 517,586	1			1

TOTAL Imports of Sheeps' Wool into the United Kingdom since 1800

COUNTRIES TO WHICH EXPORTED	1810	1890	1825	1830	Rates of Duty C	bargcable
	lbs	łbs	lbs	lbs		free
Rumin, Sweden and Norway	59 503	75 614	1,095,940	203 283	Until July 5 1803 From July 5 1803 to	rree
Denmark	851 741	13 597	551 313	17 / 17	June 1804	5s 3d. per cwt
Prusala	123 05	107 101	591 313		June 1 1804 to	Sa ao, per ewo
Germany	778 834	5 113 442	\$6 99 6 1	260 3882	April 5 1805	54 104
The Nutherlands	\$.873	156 051	1059 213	93913	- April 4 1805 to	100 100
France.	£,013	430 969	436 675	45 093	May 10, 1806	5+ 11d 8 20ths
Portugal	3.015.901	95 187	953 03	401042	May 10 1806, to	00 110 0 4000a
Spain at d Canaries	1952 407	3 6.39 129	8 200 427	1 043 515	July 5 1609	64 4d 2 30ths
Cil raltar	311 053	3,851	19 250	1043.010	- July 5 1809 to	0 10 10000
Italy	21 554	1815	227 43.4	9461	April 15 1913	6s 8d per ewt
M Ita	40 940	5 050	72 181	5401	April 15 1813 to	or on parents
1) ion felands			25 983	1	July 3, 1819	7# Eld
Turiev	1	169 584	513 414		July 5 1819 to	
Mornece		100 /01			Oct 1819	1d per lb
Gu many Jurgey Al					001 1010	
dern y and Man	41,407	19 015	39 266	7 745	1	Of Foreign
East Indies	701	6 056			Of British Possession	Countries.
New H 11 and and Yan			1			
Diem n Land	107	99 41 5	323,995	1 9/7 300	From October 10 1819	
Caps of Good Hope	29 717	13,869	27 619	33 407	to January 5 1825	
Britsh North Am					1d per lb	6d perilo
rocan Col nies West					January 5 1823	1
Inder and Land					toSeptember 10 1824	1
State of America	4111	1 477	80 538	0 038	3d per lb	68
Mexico						1
Peru			11 313	5 741	to December 10 1624	1
Chiti		14 798	2		ld pur lb	ad
Rio de la Plata and					December 10 1824	1
Stazil	116 173	73 036	331 309	20 589	to July 5 1825 1d	
Priz	23 837				per lu	14
					- July 5 1675 free	id per lb og
Torat, import from			1			wool not of the
foreign parts	10 914 187	9 789 028	43,795 281	32,313 059		value of is
					1	per lb
Quant i s retained for						td per lb on
home consumption	1	7 691 773	41 101 636	31,522,859	1	wuod of the
					1	value of is
Amount of duty re	£sd	£sd	£ sd	£ 1 d	I	per lb and
cured	31 90 1 3	181,860 19 0	163 799 16 74	120 420 8 0	• •	upwards

QUANTITIES of Wool Imported during the following Years -

FRE ALP CA — The wool of the alpaca, or rather of the vanety of the animal called *weuna*, imported from South America, has recently entered into our manufuctures, as a fine ruw material, of which a cloth is made little inferior to silk in beauty. It is very durable, and if it could be obtained in sufficient quantities, would be of the utmost value. Peru is the apparently native country, of the *vicuua* genus, where it feeds in flocks on the mountains. It is supposed that its numbers might be rapidly multiplied. It is easily domesticated. The varieties are not well ascertained. The alpaca is used as a beast of burden like the camel, though much smaller. The guanaco, alpaca, lama, and *vicuua*, are evidently varieties of the same *genus*. The *vicuua* is the variety or species, which yields the finest wool. They are said to be numerous in the Cordilleras of the Andes. They would thrive undoubtedly among the Alps and Pyrenees. They feed in flocks like goats, are very timid, and easily surrounded, caught, speared, or killed, the wool is susceptible of all artificial dyes.

QUANTITIES of Sheep	and Lambs	Wool Im	ported into,	, and Re e	xported fro	m, the Uni	ted Kingd	om, from 1	881 to 18	10
COUNTRIES		QI	ANTITI	SS IMPO	RTED IN	то тнв	UNITED	RINGDO	<u></u>	
	1831	1832	1883	1834	1835	1836	1837	1838	1839	1610
	ibs	lbs	lbs	iba	1հ	łba	ħ.	16	lbs	ibs.
lossia	203,920	805 630	1 380 893 24 259	2,107 951 21 634	4 024 740	5,424 013	6 114,045	3769 102	7 546,404	4 417 454
wedan -	252,918	802 848	372 490	A20 (507	1 131 856 444	92.461 1.551 9.35	016-227	480 007	1 773 534 F23	5 (0) 605 121
rusis	609 182	83.) 188	305, 170	307 517	25, 147	201 080	15 898	18/ 29}	04 648	84 640
ermany	32.487 022	19,832,215	28,370 106	22 034 615	23 798 186	31 70G IN4	19 705 494	27 500 52	\$3 837 K05	21,813 664
oliand			843 030	186 4 3	80) 655	1 101 659	261 697	145 340	29* 895	4 247
Igium	\$ 659,646	209 144 5	467 065	290,248	231 372	500 171	07123	263 371	259 517	134 095
Tauco	713 854	1,973	259 844	1 020 108	104 536	1 006 205	149 349	224 630	83 141	49 140 374 915
ortugal	413 708	103 544	G81 968	1,235 821	687,231	1 653 514	610 078	627 409	1 024 194	374 915
pain and the Balgaric Islands	9,474 823	2,026,624	8,339,150	2 343 915	3 609 758	2,818,137	9,243 817	3,814,877	2,409 533	1201-105
isbraltar				761 843	470 737	1,024	631 668	177140	482 057	201734
taly and the Italian Islands	49 948	78,532	830 510	2 550 819	1 051 005	3,824 810	1 314 407	1708 FJ4	1 892 057	1,668 541
alta	109,321	DG4	4,803	142 777	89,913	B 450	33,388	11,800	39,018	4,09
oomn Islands						46 799				12: 110
for a a id Greek Islands	11 447	17 999	20) 5P1	1 474 529	1,291,830	84 388 2,177 094	2,337 754	80 073 702,034	1 163 339	42 Hg3 600 (107
fu key acc Fripeli Tunis Algiers, and Merocco	5144/	17 999	105 680	1,977 616	810 025	791 810	128.323	511 426	455 004	397 908
ape of Good Hope	47 868	83 257	93 320	141 107	19/ 624	881 972	408 611	422,606	451 004	317 908
ant India Companys Territories and	4/ 840	60 ADT	94 320	141.101	191 044	081 974	400 011	482,000	030 124	701741
Cevion Company's remaines and			8 721	67 203	205 648	1 086,393	1 850 741	1 877 268	3,103 545	9.441 370
rillab Sottlements in Australia	2,495,887	2.877 937	8,816,869	8.668 001	4,210,301	4 /90 644	1.060 635	7,647 1/8	10 199 774	0. 11.48
itigh North American Colonies	98	wheth out		231	1	118	4 814	6.R.A	1,579	15 793
- We t Indica	058	877	819		{ **		100	(101100
ubs at d other Poreigs West ladies	400		1/12		ļ					
juited Statef of America.	16411	628 038	884 076	\$ 648,300	287,366	639,890	237 360	07 83	149 163	115 095
Irazil	3 031	1. 456	2 049					۱ I		
tates of the file de la Plata	22 244	30 359	207 143	1,799 032	B62 900	1 073 410	2 207 94	1 100 636	\$39,751	61(751
.bili				02 796	801114	845 /16	376,217	1 46 144	1331 69	\$82,759
ru	1 655	23 191	14,640	172 267	008 26	050 272	1 014 761	\$ 404 088	\$ 14,1 571	27 11 173
ther places	268	3 199	48	\$2,077	24,337	11 123	23 \\$0	SQIR	17 040	21 367
TOTAL	31 652 020	28 128 973	35,016 087	40 455 332	42 174 52	64 449 077	48 379 708	69 59 1,393	573 3133	49 136 244
COUNTRIES		QUA	NTITIES	RE EXP	ORTED P	ROM THE	B UNITE	D KINCD	ом	
	1831	1832	1933	1834	1835	1846	1837	1848	1839	1840
	1be	lbø	lbs	lbe	lbs	Iba	lbs	lbe	lbs	lin
ermany	25 (11	27 056	10 598	2 397	17 100	7 134	27 013	19 253	25 380	15 016
loland Ciriam	3 167 065	480 009 {	64 807	22 RHB	71 4/2	68,157	128,018	41.599	101 262	89 193
	,		205 137	102,428	205 063	40748	1 174 769	1 226 13)	87 235	65%,/97
r nou mish North Amer ca	9719	67 ft2 8 935	88 GBÖ 1 445	241 935	613,807	43 8 (9	1 018,060 9 107	459 407	63 +59	160 666
inited States of America	291 649	16 472	59 036	895 061	3 199 376	447 602	874113	144 (7)	1 (04	1 440
des of Cuernsey (Foreign Goods)	7 42	2 464	8 349	7 632	7 078	5 640	4 070	8 548	2124431 3136	16,437
ther places	4 (81	2016	4 85.2	33 538	87 828] 8040	71 597	4.5) 3 30 2.58	30
Toral	1 025 482	035 014	442196	807 864	4 101 709	613 747	2 631 352	1 807 860	(J 040)	1011025
otal quantities retained for home con sumption in the United Kingdom	20 669,908	87.61 369				·				
	20 100 108	X7 64 350	39,060,620	40,840,271	41,718,014	63 366,410	12,015,690	05,519,597	62 959 841	49 710,390

STATEMENT of the Quantity of Sheep's Wool imported into the United Kingdom in 1811 and 1842

COUNTRIPS FROM WHICH IMIORTED	1841 Wool Sheep s	1442 Waol Sheep #	COUNTRIES PROM WHICH IMPORTED	1841 Wool Sheep #	1842 Wool Sbeep a
	iba	Ibs.		ր	lba
Russia	4 131 052	4 365,534	Brought forward	30 131 449	23 6 6 290
Sw d n	100		Cupe of Cood Hope	1 079 910	1 65 768
Norway	111 9		St Hel na and Ascension Islands	990	
Denmark	7 5 M		Mauritius		813
Pusa	1 123		Ea t india Companys Territories		
(20 54 75	15 613 2 19	and Ceylon	3.00 1/1	4 10 083
H 11 ad	4 121 061,		British & tilem ats in Australia	12 39 490	1 9. 671
Ble en	300 80		w Ze hud	279	
Frat of	14 659		Briti h North American Colonus	4 941	17 129
I rugal Proper	079 071	133,006	West Indios	5 14	115
- Az res	1 1		Ut sted States of America	58 91	5(1028
Waterra	1		Brazil Stat s of the Rio de la Plata	318	4 270
STIDE J the Balcaric Islands	1 0 ** 200		Stat s of the Rio de la Plata	5 10 13	1 469 165
Cubralt	1 2 8			92. 812	170 653
It is not the Italian I lands	1 30 2 1	\$36,370	Other Places	3,144 162	
M Ha	1 1 989	41 895			319
i) Llanda	447 563	314 950		46 X 1. 280	1) 681 521
Terk 5 i an I Jakstone	447 700	20. 994	TOTAL TEPOTA	501 0710	11,001,011
	70		Q antitues retained for Home Con		
Front Trp is Tunis Algiers and M rocco		66 10 5			
tell a terms suffers and a recco			exported subsequently to the pay		
Carried forward	10 (38 55)	13 626 290	ment of 1 ity)		44 022 141

		1843			1844			1845	
COUNTRIES	FUREIGN	WOOL		FORFICN	WOOL	British	FOREIG	woor	Britia
00418164	lmported	Fx ported	H ool Ex ported	lwported	F z ported	W vol Ex ported	Imported	Ex ported.	W ool Ex ported
	Ibs	láte	165	lbs	ibs	lba	Ibs	lbs.	ibs.
եւ ա	3 511 18			5 402 098	16 538		8,709 54		1
rwa)	10.80	L	i	9 144					
) newsrk	641 55			1 601 099			1 330 745		{
ru v Cusue	13 317	1 761	2,240	2"1 455			311844		
ักเหมดู 1111 - 1	16,80 448				14 908			8.06	•1 2)
3 Igium			C 3021 0		75 6 40	240750	134.018	i 184 350 ¥ 145 Jul	
C D H	2 4		1 67, 704			10-51-10			4 05 1 99
rtugil Arors and Madesra		1 2:4	456		460		7663 (04.047	4 84
poin nd th Caparies	697 (9)			918,854		336	1 074 540		1
Alt raltar	5613		1	372167			444 246		
Ticit	231 113	4,457		2,618 353			3.341 998		14
M lia	20,33		4	18 146			116 721		
Morea and Creek Islan is			1	254 359		1.549	283 6 7		
f rkey & C. utit catel C reece	j 508 20 J	1 286,96	l)	1			1,63 150		•
Syria and Palest ne)		1	ł	1		[]	211,078		26
PAUPE }			1	F		Ł I			
diocr)	81 789		1	1 101 924		}	303 593		
Laye of Cood Hope	173 328		1	2,197 368)	3,550 915		
E Indies and China St. H. J. no. and Ascension	1 336 199		ŧ.	1					
Island		1	1		ŀ				
Maarinus	\$7,983	1	ŧ	6,846					ļ
East India Company's Terri	07,963	'i	\$	18,793					
lories and Coylon	1	i i	t –	2 765,853	ł	200	3 975 866	754	
Ta Coylon			•	2 /00,003		200	1518		
B itis) Settlements in Austra	1		1	1			1 0 10		
lia and N w Zealand			j	l I					
w South Wales	11 942 695	1	i	12 406.397	5) I			
1 D men Lan1	3_/93 040	พื่	1	4 411 504		[•
Biv y Sertlement	110.641	1							
A ster Justria	1	•	1	109 243	1	§	24 177,317		
ut Autrala	2,387 314	4	ł	\$62,268	.ł	1			
N w Z lud		4	1	12,535	9				
Britth h N rth American Colo-		1				1			
No at Indies	13 125		1,200		1	168	18 280		
	12,507			3,209			4 916		2
Unit d States of America	136 757		\$8.082		566 434	140,317	835 148	136 200	940
Ne co Prazi	28 15		4	\$9 699	1	1	3[]		1
States f the Rio do la Plata	1 479 6		1	2 18(291	l	1	114 430	1	ł
Shill	112.64		1	2 180 291		1	328,873	1	i i
lera	1 115 19.		1	821 034		['	1 651 5.3		1
Other Places	1	2 8/3	2.7			1 400	1001 033	560	51
			1 7 2	Э.		1	110		
TOTAL									

The quantity of sheep's wool imported in 1847, shows a great reduction upon that of 1846-and a still greater reduction when compared with 1845 Thus .--

1845	76 813 855 ib
1846	65 255 462
1847	62,130 307

There has also been a large increase in the quantity re-exported during the last year—leaving a still greater reduction on the quantity retained for home consumption, the comparison of which will be thus shown —

	1845	1545	4847
Imported Re-exported.	Tos 76,913 635 2,662,333	1bs. 65 255 462 3,011,090	Ibs 62,130,307 4,509 725
Left for consumption	74 153,509	62,243,489	57 329 582

Showing a reduction in two years of nearly 14,000,000 lbs

The following table shows the quantity of wool in bags imported from each market of the world into the ports of London, Liverpool, Hull, Bristol, and Leith.--

COLONIAL and Foreign Wool, imported into London, Liverpool, and Hull, from the 1st of January to the 31st of December in the Years 1846 and 1847, and the Total Imports, melching Brastol and Luth

COUNTRIES.	Lo	ndon	Live	arpoo)	н	uji	Totals, including Bristol and Leith		
	1665	1847	1646	1847	1846	1847	1846	1847	
COLONIAL	bage	bage	bage	bage	bege	bags.	bags	bage	
New South Wales Van Diemon s Laud	39 197 14 452	42 469	1 420	71	1	ł	40,556	49,540	
Fort Philip and Adelaide	24 439	29 115	1715	4 010			\$6,154	3315	
Cape of Good Hope	11 17d	13,481	1 4.0	85	1	ł .	1) (36	13,566	
Bast Indice	6746	2 901	4 533	5,991	36	1	11 315	8 193	
Total Colonial	95,940	105 347	8 1 17	9,387	96	1	104 103	114 735	
Germany	9 619	7,382	27	ł	42,796	37.309	52 0 19	41 540	
Spain and Portugal	3,766	1 529	4 317	9119			8 8-3	4 158	
Russa	9.844	6,300	440	30	1 167 -	725	12 453	7 055	
South America	7 658	13 323	49 96/2	45,06			87 650	61 119	
Barbary and Turkey	3 94	7,396	5,427	805	8		9 223	\$ 665	
Syria	1160		490	498			1650	193	
Triest, Logborn &c	385	327	8,307	3,265	61		3 952	2,592	
Denmark					1,448	943	3 4 18	948	
United States	457	18	1,983	1 526			2 440	1 544	
Sandry	1 636	8 364	1 644	9,130	334	439	3 614	6,983	
TOTAL	134,189	142 260	75,024	67 425	45,804	34 706	\$\$6.495	245,781	

There was a considerable increase in the quantity of colonial wool imported in 1847, the chief decrease arose in German, Spanish, Russian, and other continental wools, and in those of the United States

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WOOLLEN MANUFACTURLS OF GREAT BRITAIN, AND THE MARKETS FOR SALE

The progress of the woollen manufactures of the United Kingdom, and the great perfection which woollen fabrics have attained in Belgium (Verviers, &c), France, Austria (Moravia, &c), Germany (Saxony, &c), renders any inquiry, as to the opening of new markets, interesting Woollen apparel, it is evident, will only be extensively used in cold or temperate climates The countries to which our woollen fabrics are chiefly exported will be found in the following tables

In India and China the use of British woollens has hitherto been very limited in quantity, but as climate forms a cause of necessity, the temperate and colder parts of India, China, &c, should hereafter afford an extensive sale for British woollen cloths, if made to suit the fashions and wants of the inhabitants

We will offer but few details relative to the origin of British woollen manufactures Cloths of wool were actually made at the earliest periods of which we have any account in Great Britain More than 100 years before the statutes of Edward III to regulate the woollen manufactures, we find broad cloths two yards in width in the lists mentioned in the statutes In 1331, weavers, dyers, and pullers came in great numbers by invitation from Flanders to settle in England This may be considered the date at which the woollen manufacture, as a great branch of industry, was established In 1337, any cloths made beyond the seas, were prohibited to be worn in England but in those days evasions of mere laws were common The weavers were gradually distributed over several counties, viz, in Yorkshire, Suffolk, Worcestershile, and Norfolk In 33 Henry VIII, c 10, "worsted yarn is set down as the private commodity of the city of Norwich" Worsted manufactures, derive the name from a small village where first made, and still called Worsted in Norfolk The numerous statutes attempting to regulate the woollen manufactures, abound with the most absurd restrictions Medley cloths were made in 1614, in Gloucestershire

It is stated in "Rees's Cyclopædia "--" From the most remote period of the woollen manufacture until the latter end of the last century, or about 1780, very few, if any, mechanical improvements had been introduced into it During the whole time the various processes were carried on nearly in the same manner, but with greiter or less skill, and were employed upon materials more or less valuable. The carding and spinning of wool and the weaking and finishing of cloth, in the early part of the reign of George III, were effected by the same muchines as in the reign of Edward III, which, probably, were similar to those of the ancient Romans, but more rude in their construction. In an art which

had seen so many centuries roll on without any change, it did not appear possible to the manufacturer that any improvement could be effected, and had not the genus of Hargraves and Arkwright changed entrely the modes of carding and spinning cotton, the woollen manufacture would probably have remained at this day what it was in the earliest ages of civilised society "

The repeal of the acts of Edward VI and of Philip and Mary, in 1807, led to the introduction of gig-mills, shearing-mills, brushing-mills, and other im provements, which were also caused by the astomshing progress of the rival cotton manufactures, many articles of which began extensively to supplant the use of woollen cloths

Gregory Kung and Davenant estimated, near the end of the seventeenth century, the value of the wool shorn in England at 2,000,000/ a year, and they supposed that the value of the wool (including that imported from abroad) was guadrupled in the manufacture, making the entire value of the woollen articles annually produced in England and Wales 8,000,000/, of which about 2,000,000/, were exported In 1700 and 1701, the official value of the woollens exported amounted to about 3,000,000/ a year The increase in the quantity of woollen fabrics exported was inconsiderable. The home market creating the chief demand For if we take the amount of the six years, ending 1789, the official value of exports was 3,544,160/. a-year, or about 540,000/ more than the value exported in 1700 In 1802, the official value of the exports amounted to 7,321,012/, being greater than in any year until 1833, when the value amounted to 7,788,842/

The following tables will exhibit the progress of the export of woollen manufactures since the year 1815 SUMMARY Account of the Quantity and declared Value of the Woollen Yarn, and of the Quantities of the different Descriptions of Woollen Manufactures, with the Total declared Value of the same exported from the United Kingdom, in each Year from 1815 to 1848, both inclusive.

	w.00	LLEN			w	OOL	LEN	MANU	FAC	TURB	8	•	
YBARS	AND WO YAI		Cloths of all	Napped Coatiogs,	Kersey-	Stuffs Woollen or	Flannel	Blankets and	Carpets and	Woollens mized with		Sundries, consisting of Rugs	Total declared Value of Wooliga
	Quantity	Declared Value	Borts.	Duffels &c	Baises	Worsted		Blanketing	Carpeting	Cottan	Woollen or Worsted,	Tapes &c	Manufac ture
	line	2	pieces,	pieces	meces	pieces	yards	yarde	yards	yards	dozen pairs	£	£
810		-	63+369	88 686	162 379	693 308	7 056 271	3, 197, 187	793 793	921 14	202 900	265 200	9 391 426
\$16			467 228	90 491	141 221	585 843	8 (92,331	1 334 409	820 036	764 435	119 465	182 161	7 842 / 68
617			478,378	93,339	144 (17	613 448	2,814 101	2,305,565	642.80	R51 874	160 345	147 373	7 173 735
618			446,872	78 525	163 046	937 .44	4 631 860	2 701 904	1 1 14,330	8 4 548	161 217	1 0 497	R 140 767
1819			340 044	60,374	111 439	717,581	3 622 761	1 ~ 7 719	620 630	4 1 557	101 473	R2 J00	5 984 1.40
920	3 924	810	284 700	59 644	115 827	829 901	2,669,100	1 2015,409	526 124	40* 716	89 160	8.1 247	5 .86,138
×2)	5121	1 317	375 464	69 / 22	133 010	3 022 342	8 048 1	1 424 39	764 928	627 800	107 779	38 86	6 102,006
1629	12 51 5	2,392	4 0 4 37	67 757	139 317	108428	4 593 612	1926711	884 922	1 120 326	136 59*	4,042	0 484 16
823	6 428	1 197	\$56,027	5426	18, 663	1 150 183	4 311 997	2 131 632	779 420	918,469	30/ 420	44 (19	5 636 596
n24	12 (-40	2,158	407 720	61,585	1N5 117	1,242 403	3 105 961	1 9-20 041	648 942	1 3,3,443	113 128	43 161	6 0 43 03
825	76 461	14 467	381,840	41 268	135409	1 134 809	2 919,504	2 162 #34	Sikol 324	1 793,301	10/ 493	4 335	618174
926	131 052	\$2 794	325,559	41 800	122,300	1 127,408	2 423 120	1 092 542	903,597	531 517	71 - 29	37 23	4 966 8 6 6 245 56
H21	25 743	3, 392	8 1 965	51 690	169 633	1 258 467	2 518 867	3 805 600	1 100 939	840 68	149 117	43 559	D 245 W
829	4367 2	56 243	335 042	40 646	334 031	1,310 853	2,139 766	2 097 542	1 197 947	981 152	159 108	48,314	3 069 41 4 58 602
1829	58+534	73 645	363 0 5	10 166	81 242	1,307,659	1 72 020	1 839 961	611 538	1 074 077	91 215	41 -48	4 55 1992
89	1 108 023	12/ 430	38×269	22 377	83 878	1 252 512	1011009	2 170 391	672 689	1 090 518	111.144	54,034	4 728 666 5 32 012
83)	1 094 435	1.8 (1)	436 143	13,892	50 909	1 197 104	1 72, 58	51138	C78 650	1 000 004	143 774	64 648 55 443	5 32 012
832	2 204 464	235 307	395 661	23 453	75 858	1 600 714	2 104 750	1 681 5-0	6%0 042	1 334 072		73 /35	6 4 1 1 1 1
633	2 107 4 8	245 204	637 189	1 543	76 531	1 (90 59	24150 2	3 124 105	867 377	160 0 6	232766	7 811	5, 36,870
834	1 818 314	238.42	521 214	\$2,443	67 219	1 787 6	182134	2 37 170	60r 913 935 848	1,723.069	173 063 907 014	110 . 8	6 640 31
	9,3 7 331	309 091	61.1540	20,083	77 037	1 1173 069	2 667 (20	3 122 341			207 014	142 553	7 +3 / 3 / 3
836 837	2,546 177	358 639	7.20 87	2 114	65 165	1,496,000	2,190,000	4 133 N76	1.96×,013	1051 13	163 152	92 017	4 055 3 7
	2 513 718	3 33 098	397 787	23,605	66,107	1,041 636	1 685,457	2 411 093	753 J64 747 30	154031	7 7 109 8	92 617	5795 10
838	3 045 8 12	381 35	59 903 3,/2,934	20 47	63,371	1,358 984	17:0 125	2 554 806 3 145,840	747 33 997 489	23-4 24	100 8	2.837	62-164
840	3 320 441	423 320	215746	27 025 16 094	60 321 63 166	1 16/17	1 (13 477	2 102,653	755 679	2 9 4 292	36,945	164 034	6, 17 8,
840	4 103 291	4 2 457 5 ,348	21315			2 00 365	1 820 214	2 102,033	869315	3 01/ 087	13,019	163.000	8748 6
842	5 412 401	0 ,348	101 675	11401	59 4.J1 47 364	1 175 492	1 619 196	1.379 591	263 63	6 150,010	13 944	152 (29	6,185 043
842	5 4 2 401	63 .503 74 :888	241 160	8,433		5 443 374	1 719 / 99	175 770	4 346	11 183.975	147 507	192.60	6.7.10 43
843	9 271 106			6 273	50 193			175 //0	1 346	20 05 259	284310	1 0 0 9 3	8,204 83(
845	1 405 998	9 8 217	317 0*3 307 791	4 616	66 821	2412,217	1,093,895 9 405,811	3 479 4/8		23,831 017	174 061	178 995	7,093 11
845 84F	3 403 998	1,066 925	307 (91	4,773	48,256	8,111,902	3 403,011	24124/8	1 006 070	24,002.017	Tta our	113 300	1,050 (10
541			£										
1847 1849) 1					1 1					

TOTAL D	eclared	Value	of Woo	ollen M	anufact	ures E	rported	from	the Un	ted K	ngdom	m 183	1 to 1	847	_		
COUNTRIES	1831	183%	1833	1834	1835	1836	1837	1889	1889	1840	1941	1849	1843	1844	1845	c 1846	1847
Rotsia Swedon Norway Denmark Germaar Hollaod Bolguom Prauce Protugal Proper	2 65 312 494 902 200,205 11 513 146 7 88	7 635 280 627 816,719 88,910 43 187 79 357	£ 03 072 5 213 12,321 2 034 150 684,936 287,133 1 108,632 55 944 134 268	£ 10.,408 10 285 18 554 £ 485 505 951 255 951 255 935 129 173 47 233 2.2,241	245 638 123 727 68 273 850 715	£ 123 043 9 652 15,258 2 688 2 266 581 838 245 835 161 0 4 58 871 185 389	26.0 H76 144 465 45 570 184 502	53 708 211 560	817 8.98 189 4 11 51 499		26 620 11,032 1 774 663 883,878	24 406 18,385 1 573 814 953 660 339 103 372,760 92 142	£ 49 192 20 416 21 944 3,805 1 141 1 048,230 424 780 384 425 143 216	20 819 22,538 1 776 1 460 1,083 573 406 761 220,463	£ 64,838 81 702 24,288 2,603 1 981 966,710 400,122 941 685, 176,310	£	\$
Acores Acores Spain and the Balance: Islands Gibraltar Islay and the Italian Islands Islay and the Italian Islands Ionian Islands Morea and Groek Islands Tarkey Syrna and Palestine	J 2'9 5,721 194,694 4 41 15 45J 204 1≈6 8 307 J 024 28 298	14,290 4 ,78 59 513) 2,940 25 681 194 052 8,0~ 2,322 27 629	10 610 4 540 107 3% 4 518 19 435 320 512 14,4% 5 009 914 20 102	13 507 4 902 62 833 4 7 94 124 173 252 143 1 3 509 3,717 1 724 29 339	10,007 0 3,00 60 120 3,285 84 478 943 582 14 146 3 487 1 189 41 J84	9,861 6,728 45 43, 7 191 39 159 241 640 13,320 4 313 503 31 063 1 214	10 380 6 290 30 687 6 433 47 043 178,055 7 472 3 163 80 14,420	7 741 5 082 38 534 6 200 55,700 258 157 16 245 8 140 803 25,085 412	0 771 6 674 23 744 4,369 76,303 323 694 12,310 1 713 74 22,181 1 208	10 089 4 292 78 006 4 586 80 579 272 554 6,726 8 152 410 35 588 1 470	164 251 92 201 203 797 13 010 2 434 759 20 913 571	1315225 40,341 84 336 230 737 17 152 901 77 85,501 901	180 389 63,734 309 737, 354 200 14,281 4 834 1,552 64 536 2,270	88 122 318 923 331 990 20 .59 4 133 3,000 85,320	74 977 291 024 33,578 6 911 4 611 120,845		
Brypt Tripoli, Tavis Algiera, and Morocca Cape for Good Hope Cape Yord Islands St. Helens Other Forts in Africa Mauritics Isle of Boarboa East Iodis (sumpany a Territorius and	436 7 176 28,208 10 1 549 7,573	140 1 129 4 72 41 767 32 137 6,831	678 49,004 800 4 903 2,913	1,978 777 89 429 1 621 4,733 8 910 297	J (63) 3 4 10 34 90° 1 234 3 810 10,414	3,989 803 49 975 253 4 975 17 117) 535 926 50 689 184 3 340 19,659	857 9 403 64 778 869 6,115 22,911	951 4 098 83 652 419 8 540 9 451	1 2 2 2	56,185	8,174 56,390	25,007	3,436 4,600 47 333 76 743 7 277 14 457	2,637 4 318 324 90 714 903 7 848 34 679		
Ceylan Chana Signairs Jays and other Islands in the Joidon Seas Philipping Islands Britos Settymengus in Australia New Z, aland South Sea Islands	645 582 25 347 973 26 960 1 703	456,220 92,025 17 828 35,630 27	796 581 80,5,5 83 177 84 162	{244 955 564 132 45 135 11 540 66 268	216,521 527 184 12 730 47 603 45 993	824 787 529 588 4 982 1 629 65 994	225 679 346,336 6,936 910 75 660	409 7,62 3 297 1 386	190 175 835 210 4 589 713 130 122 { 1 955	164 142 4 970 140 060 145 002 2 178	3 283,710 96,018	303,005 66 406 3 667	103,924	439 648 565 428 11 128 3 272 00 7 58 4 754	120 438		
British North Amorican Colonies Mayci Cabs and other Forcign West Indies Boited States of America Merico Geatemaia	848 (9) 75,960 5 243 37 318 8 234 179 64 491	862 436 92 .03 91 815 3.) 704 1,429 643 16,856	876,878 102 101 13 676 40,172 2,265 407 43 982 83	102 308 10 703 58 848 1 726 934 57 487 684		17 653	125 702 3 379 84 356 1,046 379 40 435	859,632 95 412 5 274 60 144 1 854 250 37 443	84 833 11 683 55 7 50 8 1 42 352	798 448 303 00 847 9 107 62 784 1 069 721 03 360	515 344 63,919 } 50,962 1 821,980	425 122 89 427 63 746 875 647 R48,496	7,506 268 566 90,09 57 796 1 543,378 839 186	132 536 597 78 690 77 945 2 444 780 99 524	73757		
Columbia Brasul Russes of the Rio de la Plata Chili Peru Isles of Guarneay Jersey Aldoracy and Man (foreign goods)	19 240 83 335 64 919 139 419 105 986 23 664		19,304 274 69 87 JJ3 176 535 61 687 30 722	10 251 268,300 187 976	18 036 387 78.3 153 769 85 / 18 61 (70 42 985	10 165 379 654 119 951 143 104 68,964 40 688	101 234	90 220 228 939 105 601 02 683 100,899 40 681	134 563	132 370 160 805 153 169	319,984		278,171 51 785	95 697 288 994 184 957 206 341 254 310 31 359	30 747 809 876 166,489 28) 412 284 >27 65 585		
Toyal, waven goods Toyal yarus. Toyal weeks	156 111		440, 204	236 44	300 091	\$29 699	333 094	364 535	4.13 3,20	405,001	562 348	637 503	742 558	0 18 217	1 066,025	908 170	1066.518
LUTAL WORRESS	10 399 124	10 4/9 786	16 540 726	5 975 413	7 1 10 602	7 995 0 53	4,0190 5	r 179 604	6 604 365	5 760 810	6 301 021	5 822,518	7 533,911	9 163 053	8 760 042	7 242,568	/ J1-4 60N

COUNTRIES	1.31	1632	1833	1834	1835	1835	1837	1535	1839	1840	1841	1542	he Yea	1844			
COUNTRIES															1845	1840	1847
Ruessa	19 499	15 41 834	16s 46 786	Ibs 78 343	3bs 111 448	lba 1°7 30	15# 199 541	11 144 308	10s. 141 934	16f 039	1bs 123 8.16	1b 23 907	lbs 422 791	Eba 761 991	lbø 1 134 275	lbs	lbs
Sted a	1.1	40	47100	10000		318	1 096	13	8.4	21.00	1 964	4 1/4			6 3 7		
N way	148			180	284	80	406	3./2	661	r92	953	2 44	2 08.3	\$ 163	17:4		
) tin 1%	F15	20 (771	2063	140	42		1 1 20			36	62H 944	300	1 44 3 857	1 104	1 765		1
rmei v	530 2 6	1 118 196	1 084 1 40	1 017 387		1 454 84		1 647 (%0	1720 530					4 014 745	4 377		
l lla d	\$ 945 250	425 51	\$ 400 4-8	358 24	43 775	413 010	50 363	600 91	23168	919 13	1 204,060	1 180 406	1,914 252	1 554 90			
lg m r pos	1.49	3.3(1	2 119 040	\$6,H 7 9.4%5	141 751				11174/				199 10		54 805		
rigal Proper	8.413	2 379	2.4 16	9 485	27 396 4,5 5		62, 72 2,812	140 54	153 327 2 540	13 (Hr 3 128)	300,560 2,780	363 068	435 020	365 R5 6 470	4113 5		
pain and the Ba				. 1		1			2 010						201		
leari filanda	60		495	51	1 289	881	206	435	4 360	3,299	96	8,047	1,472	20 59.)	63 59 5		
Canories	114	808 230	56	15	106	104	3 260	1 099	6,765	62 330	60,950	41,428	22 53,572	7/ 14,339	10 120		
t ly and the Italian					100	- 61	3 200	1 050	0,705	62 380	00,2498	41,428	96,512	14,003	10 120		
leiar da	9 223	17,306	80,649	29,101	21 056	69,242	47 165		80,960	43 0%	54 694	\$3,109	114 783	73 202	90,585		
naita nian Islanda		1 1		224				36					i i	388	35		
a kuy		1 1		324					1			14		388	4,376		
West m Coast of		1															
Africa ape of (cod Hope	1797	848 20	168	1,312		603	378	555	942	410	156	<i>4</i> 66			260		
Sa tindia Company s		×0	3 1 29		24							26	- 14				
Territories & Ceylon	3 0 504	3,656	760	1 3 (94	2,828	15 016	1 199	3 176	2 438	3 364	8,753	t ×20	4 384	572	8,729		
China.		0,000	760	1 2,340					- 100				1 880	872			1
Sum tra, Ja a and other falands in the		1															
li dian bens		1		1 200													
Philippine Islands					9,352				1 246								
British S ttlements in Australia.	119	1			126												
- North American	, 	10 808	11 308	4 616	11,048	40	3730	10 991	15/	22 218	22,335	112		\$63 34,255	1110		
Colonies	5,653					17,010	3130	10 301	10 400	** ***	*****	16,440		39,033	\$6,134		
- West Indies	· ·	18	194		560	30			200	439	16	42	168	112	178		
Cuba & other Foreign West Indies	1		112	300	1 610	607	188	1 549	874	672		1,304	119	224			
United States of Ame-				300	1.010	807	169	1 246	874	672	112	1,304	118	224	1 892		
rica	745,806	547 389		263 498	357 223	231 770	166 982	322 003	324 320	79,888	292 754	213,513	242,142	119 50,	472 540		
Mexico Edumbra		i	2 X6 47	0									1				
Brazil	39		47	ەر	8 400	336	946			24 824			119		560		
states of the Rio de	1	i		1 1	00							1 1					
la Plata Julio		1 672		6		815	672	364							448		
eru .	1		1 332				304		168		224		236 1 008		112		
ales of Guernsey	1	1 1											1 1000		113		
Alderney Alderney		ŧ I															1
and Man (Foreign Goods)	91,817	-0557	23,616	32 024	27,538	27,884	28,558	32,039	24 580	27 993		16,5%	25 404	25 411	82 025		
TOTAL	1 92,455	2 294 464	2,107 478	18(1.814	2.437 936	2 546 177	2 513 18	3.06.892			4 003 201			8 973 Quit	9 445 029		
Value £		21 307		234 44	309 001	2.8 600	472 000	794 15			1,200,291		71	0.11,000		0.00.000	1 056

ACCOUNT of the Quantities	of each	Descript Quant	ion of V aties and	Voollen 1 I Total V	Manufac Jalue of	tures exp those set	orted from at to each	n the Um Country	ted Kungd	om in 182	5, specif	ying the
ÖUUNTRIRS TO WHICH BRPORTED	Cloths of all Sorts	Napped Costings Duffels Sc.	Kernoy meres	Baizes of all Borts	Stuffs Woollem or Warsted	Flumine)	Blankets and Bisoketing	Carpota and Carpeting	Woolfens mixed with Cotton	Hosiery 712. Stockings, Woollan OF Worsted	Sundries consisting of Hosiery Rugs Coverlids, Tapes &c	Declared Value
Reserts	pieces 5,737 92 915 40 2,648 461 1,804 1,804 1,804 1,804 1,100 1,100 1,100 1,100 1,00	pieces. 55 53 21 5586 5586 520 520 53 12 220 53 12 220 53 12 12 32 7 9 214 417 161 83 83 22 53 21	picces 407 47 111 30 7,948 665 125 125 125 125 125 125 125 125 125 12	picces 50 34 5 5 5 5 5 5 5 5 5 5 5 5 5	pieces, 20,510 \$,501 \$,506\$,506\$,506\$,	yarda 4,996 (220) 903 980 134 970,607 116,925 12 132 8,935 8,945 2,941 2,941 2,941 9,742 2,941 17,924 2,941 9,762 9,762 10,947 12,944 15,121 12,944 15,121 12,944 15,121 12,944 15,121 12,945 1	y wrda 7 760 3,000 4,001 11 850 5 900 4 900 4 900 4 900 4 900 5 910 5 910	 ymrda 12,645 4,262 6244 12,721 6244 12,721 6245 14,721 14,820 14,820 14,820 	9 xr3/s 6,240 6,240 70 70 70 70 70 70 70 70 70 70 70 70 70	dos palr 06 9 1/31 0 1/31 0	8,414 6	E s g8 02 10 g8 02 10 17 038 11 g.000 0 237 22 g8 02 10 237 23 g8 02 10 237 24 g8 02 10 237 25 g8 02 10 237 25 g8 02 10 237 25 g8 02 10 237 37 16 34 79 1 13 34 79 1 3 477 10 34 984 10 1388 0 580 017 11 245 847 10 44 094 10 1388 0 18 637 100 41 984 10 18 637 100 14 868 11 26 67, 120 16 15 87 788 16 357 788 15 357 788 15
Isles of Guernsey Jersey Alderney and Man	2,803	8	1413	3,679 840	88,08¥ 6,944	67,241	10,894	16 946	732	6,230 0 364 6	3 003 0 2 174 5	885,714 1 43,984 17
Total ;	019 886	20,683	29,203	47 854	1,073,069	2,067 620	3,132,341	938 848	1 178 389	207 914 4	110 658 14	

		· · · · ·	Little Actor				1		n the Year			Sandrus con	
COUNTRIES	British Wo dei Tarn Exported	Cloths of all Sorts	Nappod Cout gs Diff i &c	K 2003 mares	Baszcs of all Sorts	Stiff Wolln or Worsted	Flannel	Blankots and Blankoting	Carpets and Carpeting	Woollens naixt d with Cotton	Howery Vid Stockings Woolieb of Worsted	Subdras cob sisting of Ho a) ty not other a) of described Fugs forer Hids Tap and Sn all Wares	Declared Va of British Woollon Man ifs turn Exported fro the Un tog Kingdom
	10a	pieces	pieces	ps cos	pieces	pieces	yards	yards 559	yards 5 689	yards 91.) 629	tica, paire. 311	.5 444	£
R pera	1 134 275	647	106	115	1	19 (***) 24 6.2	3.467	8 345	3 116	30131	115	444	54 333 81 799
bw den	6 92	63	998	223	140	8 /	6,578	1 469	2, 173	48 654	916	1 424	91 (88
N way Dum rk	1 65	63		31		2 2	100		1 834	Ø5	29	10	8 /3
iru ia	4 177			- 4	1	459	259	160	1728	20130		28	1 /31
H n er	8,961	1 -	49		100	3 030	10,6					105	B 206
(fiden) g						557 9%9	4 2-00	34,794	94 401	3 644 404	2 103	158.5	087.504
Ha e Towns	4,531,030	13 083	71	1 053	249 16.(-02	234 1054	111163	3 69	88 647	52(175	4,383	162.0	460 123
H Haul	2 055 120	212"	f 13 66	381	67	115 747	96 159	1 29	2, 301	9243 6	1 74	1 588	24) 685
B laun P c	546 805 413 339	21		671	47	68 470	21 239	740	33 725	1 86 877	363	2.13	1 6 310
P 1 Laf Azore un Madeira	954	12 124	16	245	1418	25 (134	12,312	996	8701	311663	1,390	1968	1 15, 35
Si ga ditte Lanaries	64 036	1 639	30	144	361	40 232	\$ 385	7 583	31 839	161 192 452 403	12	1,3	112 428
it altar	10 126	3124	13	135	00	16,574	4 2.50	67/1	5 057 42,000	17740 5	7 460	123	74 77
Ir 1y	\$0 888	3 61/	-	672	32 A	105 118	3 (119 8 / 73	1 191	7-0	38 792	120	2, 24 534	13,573
M Ita		83	5	35	10	140	8 244	1 400	4/84	21 404	97	329	5,911
jo nislands N∣re and (reckislinds	39	201		1		1 656	1 10	52	1 360	30.0%0	84	143	4 /11
(ik v	4 090	6,197	1	ու	12	40 67 8	4 (53)	1.114	15 087	452,492	3 142	\$ 264	120 840
Syr and Pale tine	1.000	15	1		-	1 106	450	176		2 120	15	213	2 637
Ferret	240	158		14		801	133	170	2 644	42 148	100	617	4 3 1 8
AL, is and No occo		20		14		20 2.468	980	1 036	146	2 366	1.355	1 469	34 78%3
W stirn C ast f Africa	260	ક્રમ		2 1	-22	\$2,035	59 997	154,410	16 747	1,6 (39	1.358	9947	90714
Car f G od H pr Faste a Coast of Africa	ſ	4 256	1956	1 180		\$40.35	03 94/	200.000			1,000		90
St Helens		69		3	2	137	370	698	381	1 300		80	909
M ritiu		672		ĩ	1	3,942	7 373	1,380	2 000	59 841		82	14,6,3
British Territorios in the Past			1 .	- i			1 1						
Indust	3 7 9	33 684	37	182		1 0 9 6	153 289	38.554	17 131	180 849 19,370	1,802	8 753 79	316,480
ava.		321				392 2.034	1 620	1 310	745	300		/*	5 567
Pritipping I lands		95				232,619	13 328	68 370	9.078	17 180	509	074	530,218
Chine Br th Settlements in Australia		80 8.2	350	•		136,019	10 340		0.0				
ant N w / c land	1 064	2,534	73	929	537	\$3 096	184 290	265 407	40 066	250 245	13 984	4 387	120 438
So th S [s]ands	42	1034		4		2.0	619	3 6154		1 442		100	7 406
Braust North Amorican Colonies	\$2,194	29 110	100	1 795	694	182 \$61	\$69,372	353 449	228 530	1 0941.515	27 178 2,338	34,927	671 998
- We t ladgest	178	3,014	2	423	11	18 333	66 447	60 109 131 816	4 699 8 993	152 115 F7 079	2,138	6,518 2405	6% 444 85 552
P res. W at ladies	1 692	4,076	84	6 000	36 267	23 3/2 3 7,617	1630	1 227 33	174 123	10 164 9×0	99 78	50 546	1,63174
United States of Amorica	472 636	46,124	- 64	8.000	201	0 1,011	820	1 441 101		500			286
Metrea		3 185		9		18 954	10 817		4 633	146 760	163	40	73 37
New Granada Vepezuela at	2,240	3 164	t l	78		5743						1	
Regador			i				594	22 609	617	. 81 -60	397	401 7 589	39,747
Bra#il	500	14 314		1,303	1 206	72,915	5,465	35 10	2,416	418,709	1 \$30	4	309,578
States of the Rio da In Plata	418	19 (34)		610	236 60	21 275	407	5 30	48,619	650 / 3	1 691	1010	281 412
Chill Pera	112	0 007		3 817	150	10 872	1 1 07	4,300	16.37	2 8 160	8,471	1 893	284 227
Feru Fatkland islands	112	2 604		1,630		•10/0	1 1		302				69
The Chaonel Islands	32,025	4 492		3	49	6,063	152,182	36,995	49446	8 409	421	2,275	65,589
TOTAL	9,405 928	307 791	4778	24 673	23 583	2,21906	2,405,311	2,479 478	1.006 970	23 551 017	174 961	178,995	7,693 116

CULTIVATION, SUPPLY, AND MANUFACTURES OF WOOL

COUNTRIES	1	391	1	839	16	33		334	1	835
COUNTRESS	Quan titics.	Declared Value	Quan ptice	Declared Volue	Quan tities.	Declared Value.	Quan-	Declared Value	Quan	Declared Value
Germany	Ibs 75,460	£ 3.707	Ibs 32,394	£ 1,815	lbs. 8,428	£ 367	ibs. 1,426	£ 33	lbs	£
Holland Belgium France	1 750,157		8,416,965	178,796 {	173,172 3,273,498	9 063 214 230	74,217	8,470	27 111 3,075,388	254,135
United States of Ame	1,218 649		736,492	28,541 54	1 424,208		909 136		1,531,388	131 502
Other countries.	19 168		13 996	444	7,690		4,150		7 689	4.33
TOTAL.	3 494 975	173,105	4 199 525	219,650	4,992,110	382,504	3,878,791	192,176	4,043,604	38 ,925

BETTISH Wool (Sheep and Lambs') Exported from the United Kingdom.

BRITISH Wool (Sheep and Lambs') Exported from the United Kingdom-(continued)

COUNTRIES	16	135	31	37	1	188	1	139	1	540
COUNTRIES	Quan	Declared Value	Quan titles	Declared Value	Quan tities.	Declared Value	Quan tines	Declared Value	Quan htics.	Declared Value.
Germany	lbs 21,853	£ 2,084	1be 63 168	46 8 627	168 20,094	£ \$,328	łb. 38,551	£ 3,225	1be 33,465	£ 2,250
Beigium	9,981 704		1,941 765		4,963,744		3-625,896		4,108,316	
France United States of Ame	1,511 622	181,501	608 939	45 350 2,401) 552,634 560	313,901 45	876 166 10 984	66,170 1 100	664 899	47,894
rica Other countries	99 224 16,034	7,807	33,337 10 682		8,298	716	43,202		504 8,408	40 139
TOTAL.	3,942,407	332,374	2,647,874	185,350	5,851,840	424,005	4,603,799	360,849	4,810,397	820 233

BRITISH Wool (Sheep and Lambs') Exported from the United Kingdom-(continued)

	1	841		M2	1	64 3	1	844	1	845
ÇOUNTRIES	Quan	Declared Value	Quan	Declared Value	Quan titles	Declared Value	Quan titles	Declared Value	Quan utics	Declared Yal e
	lbs	£	Jba	£	lbs.	£	lbs	£	Jbs.	£
Germany	2 514	114	5,422		13 600		613,997		9 273	
Holland	1055		\$7 653		91,719	5 473	\$40 750		111 689	
Belgium	7 544 196	192.169	7 617 577	461 598	6,302 170		6.662.573		4 \$1 \$ 197	290 77
France	9 694 704	61,629	716 739	45,968	1 677 705	86,682	1 685,890	99 182	4 080 907	\$53 067
United States of Ame-	8,950	783	3,982	50	85 983		140 317		9 408	
Other countries,	1 10 246	267	7,305	423	4,458	143	4 093	847	5 82	619
TOTAL.	8,47) 255	553 CH0	8,578,091	\$09,622	8 1, 9 639	420,940	8,947,619	535,134	9 064,448	556.339

QUANTITU'S of Wool of the Alpaca and Liama Tribe Imported into the United Kingdom in the Year 1844, and of the Quantities Re-exported during the same Period, and the Countries to which they were sant

DESCRIPTION	Quantities Re-exported	Quantities Imported
Imported into the United Kingdom	Iba.	16# 635 357
tic-exp-rtod to Helgium France	47 769 50	
TOTAL Quant ty Re-exported	4, 848	

AN ACCOUNT of the Quantity of Mohar (or Goat's Wool) Imported into the United Kingdom in the Year 1844, and of the Quantity Re exported during the same Period, and the Countries to which they were sent.

DESCRIPTION	Quantities Re exported.	Quantities Imported.
Imported into the United Kingdom	lbs	lb# 1 290 771
Re exported to Chimany Holland	2 419 29 835	
B igum	84 40	
France United States of America	11 310 19 239	
TOTAL Quantity Re-exported	97 529	

The woollen manufacture has long been one of the staples of France, and the excellent quality of French cloths has been generally acknowledged In some branches of the manufacture the French clothures have taken the lead, and to this day their finer woollens find a market in every quarter of the globe Under these circumstances, there can be no doubt that the quantity of woollen cloth manufactured in France has increased with the growth of the population, and it appears from a table inserted in the recent "Enquéte," published by the French government, that the quantity of these goods exported has also materially increased during the last half century These facts are shown by the following statement of the quantity and value of wool imported, and of woollen goods exported the quartity for 88, and in each year from 1812 to 1843 —

1 EARS	Weol (mported	Woollen Cloths Exported		YBARS	Wool I:	nported		Woollen Cioths Exported		
	Weigl t	Value	Weight	Value		Weight	Value	Weight	Value		
	241	fras es	kil	france		kat	francs	kil	frapes		
1747	7 912 085	11 301 500		21 811 200	1829	5,749 194	9 375,611		81 805, 164		
1788	6 7 40 74	13 544 000		3 .60 200	1830	7 214 939	12,871 932		27 690 138		
1789	6 860 087	1 0 1 000			1531	3 834,207	5, .3 (199		28,058,716		
1812	7 304 380	30 (2/ 685	1 761 281	38 203 193	1832	4 021 594	7 801 8 1	1 434 025	36,308 600		
1913	0 354 155.		2 2N9 17	27 530 642		9 305 702	19 139 619	1 \$46,991	85 098 04		
1811	1 83 1	7 693 6.7	700 643	13 11 201	1834	9 220 39	17 914 818	1 549 247	89 437 014		
1615	2 431 249	0 348 792	1 336 01	9 062 67	1836	14 444 538	34 218.9 3	1 576 208	38 366,902		
1810	8 8 5	8 2 6 084	2,02311	68 607 529		14 165 12	31 890,637	2 018 392	49 187 968		
1817	2115911	11 015 86	1 508,012	4 882 533		9 394 465	18 997 420	1 670 72	43 428 060		
1818	0 8 4 231	25 11) 916	1 389 818	44 371 455		14 926 778	34 177 144	2 9 17 741	64 480 460		
1819	\$ 424 420	10112547	1 350 795	40 615 161		13 612 180	31 937 089	2 209 036	60 384 294		
1620	4 912 491	8,3 0 805	1 404 137	43 383 660	1840	14,456 341	29 887 249	2,325 71	01 079 105		
1641	6 8 6 661	11 15 10 329	1 363 746		1841	20 343 741	45 607 373	2 511 458	54 405 741		
1985	1117 31	15 500 142	1 101 615	40 526 113		20 951 769	49 440 862		63 169 108		
31-23	246143	0318830	1 018 201	33 052 211	1543	\$0 603.370	49 807 776		78 310 547		
3824	4 409 9.50	7 196 925	1 141 265	30 436,512	1844	1					
3645	11 00 104	586 184	1 162 922	37 521 130	184	(
1820	641522	10 939 887	,182 49	21548406	1848	1					
1827	351 85/	11 130 392	1 02 J 100	2 369 125	1847						
15.6	17 386 859	13 3 +0 15	1 058 122	30 045 778		1		•			

FLAX, AND MANUFACTURES OF FLAX

 $F/a\tau$ —This useful fibrous material for our linen manufactures is not imported from British India Yet from the increasing production of flax seed, it is rulter surprising that the fibre itself has not been imported At present we depend chiefly upon Russia, Belgium, and Germany The importations into Great Britain of flax seed from British India commenced and increased as follows —

YBARS.	From India	From all Countries.	YEARS	From India.	From all Countries
1832 1833 1834 1835 1835 1835 1837 1839 1839 1839 1840	bushels. 10 2,163 2,825 127 416 125 532 78 572 162,958 20 869	bushels) 398,072 2,179 133 2,210 237 2,206,748 3,339 215 3,361 643 3,136,093 4,161 047 3,650 970	1841 1842 1843 1844 1845 1846 1847 1847 1848	bushcis 199 332 71 784 64 024 236 660 196 676	busbels 2,407 (885 3 942 600 3 904 142 4 035,3 6 5 2,54 344 4 043 129 3 466,709

There is no doubt but flax may be collected in many parts of the East, and, exclusive of the so called flax of New Zealand, we believe that this raw material may hereafter be procured from Asia and the Islands of the Eastern Archipelago . in considerable quantities

The importations of flax and hemp, for which immense sums are annually paid by our manufacturers, has hitherto been chieffy from Russia, Belgium, and Germany, viz —

COUNTRIES	J831	1834	1838	1834	1835	1636	1537	1836	1839	1840
-	civia	cwts	cwts	cwta	CWU	cwta	cwts	owts	cwts	ewta.
Russa	623,25	667 868	776,865	462,815 2 493	438 493) 308		682 625		705,708	870 401
Denmark Prossia	101 720	144 (38	147 383	103,940	84,587	180 291	90 709	1700	1 571	135 590
Germany	7 615	8,104	84 221	7 7 04	11 79%		3,227	3,593	2.637	8161
Holland Bebrum	128,251	114 191	\$ 45 798 89 628	81 15 39 426	104 434 72,781		134 916		160 447	\$13 108
France	65.324	3) 512	97 147	7 904	16 192	25 119	39 357	53 493	76 607	43 295
Br tish Sculements m Au stralia	18,015	15 867	7 528		7812					
Other places	3,455	831	30	1 237	₹ 876	318	1,349	1 151	2,528	900
TOTAL	936,411	982,516	1 120 632	811 722	740,814	1,529,110	1 000,865	1 626, 176	1 223,701	1 258,248
Torst, quantities retained for home onsumption in the United Kingdom	918 883	984 8/3	1 112 190	794 979	798 143	1,513 428	983 654	1 615,985	1 216 811	1 955 399

FLAX and Tow Imported into the United Kingdom.

COUNTRIES	1841	1843	1843	1844	1845	1846	1847
Russia Ryynt Denmark Germany Hollond Belgium Praste Other places	awts 967 422 10 665 10 655 120 655 97 216 29 559 4,754	0wis 944 795 5,534 119,652 16 219 97 578 49,503 17,582 2,165	Cwts 1,089 386 29 546 8 852 178 239 14 870 60 008 44 186 3,471 1 612	owts. 1,112 023 30,260 7 673 3459 404 19 963 100 6.58 44 967 7 '76 5,004	curts 869.027 154 144 15,103 18,759 107 592 80,169 13 145 15 795	owita.	CIPÓR.
TOTAL	1,346,843	1 145 109	1 437 150	1,487 538	1 418,323	1 147 092	1 049,541

FLAX and Tow Imported into the United Kingdom-(continued)

Silesia and Flanders formerly supplied England, and even Scotland, with inen yarns, and the finest linens and demasks, —although for a long period, linen fabrics were made in Great Britain and Ireland About the first year of the present century the first linen mill in the United Kingdom was erected at Darlington The West Riding of Yorkshire, and Lancashire, are the chief seats of the manufacture of linen and lences in England In Scotland, about 1,500,000 yards of linen are estimated to have been made as far back as the period immediately before the Union In 1750, it increased to 7,570,000 yards, and in 1800 to about 20,000,000 yards In 1822, to 36,268,530 yards, and since that period, although we have no exact account, the progress has been mades and see an orceasing both in spinning and weaving, especially at Dundee -See Tables hereafter In Dundee alone the quantities are estimated at above 80,000,000 yards The Irish linen trade has also greatly increased

The following table will show the quantities of hinen goods which were exported from Ireland in different years, from 1800 to 1825, subsequently to which year no account has been taken at the custom houses of either England or Ireland, of the commercial intercourse between the two parts of the kingdom

YEARS	To Great Britan	To Foreign Parts	TOTAL	YEARS	Great Britain	To Foreign Parts	TOTAL.
1800 1802 1804 1806 1808 1808 1808 1810 1812 1815 1815 1815 1816 1817 1817	yards. 3) 978 029 23 140 943 30 83 101 23,443 280 41 65% 719 23,934,845 23,0767 20 539 443 37 060,359 41 330 118 50 288,842 44,746,334	yards. 2,581,829 3,568,911 3,3:3 528 3,869,961 4,313,528 2,524,686 8,463,783 5,496,206 9,299,511 5,941,733 6,173,564	9ards, 34 363 858 35 615 854 43 140 629 39 126,241 43,952 086 96,858,270 36,845 453 43,003 226 43 482 565 43 482 565 43,29 720 56 230 575 56,025,208	1819 1820 1821 1824 1824 1824 1825 1825 1826 1827 1829	yarda. 34 907 308 40,318 270 45,19 509 43 226 710 48 006 931 46 466 950 62,535,678	yards. 2 053 555 3 204 143 4 011 630 8,374,993 3 163 006 8 026,437 2,253 087 4 720 237 4 284 565 3, 14,910 2,386,423	yards, 37 041,351 43 613 218 49 531 139 40,601 703 51 235 597 49 403 377 65 113,285

It will be seen from the next statement, that a large proportion of the exports of linen from Ireland to Great Britain has been re-exported to foreign countries.

BRITISH and Irish Linen and Sailcloth Exported from the United Kingdom in each Year, from 1820 to 1833

YBARS	British Linen	Irish Linen	British Sailcloth	Irish Sailoloff
	yards.	yards	elle	ella.
620	24 066,914	12 455,419	1,226,335	18 117
822		15 408,561	1,339 164	12 163
822	33 702 129	13 931 939	1 259 19	10 039
823	84 624 513	15 765 928	1 206 715	32,239
324	43 879 893	17 933,195	1 593 291	6C 185
25	33 643,855	16.023 268	3,879 506	51 104
126	23 619 428	10 868 407	4 848,924	55 178
4	85,260 766	14 022 496	2 211 29	52.03
328	44,555 941	11 924 003	2,967 393	83 903
829	43 499 368	11 924 918	1768,093	61 956
30	46.232 243	13 144 169	1 922 311	82 550
	50 799 733	14,738,358	2,928 464	28 185
32	37 347 198	0.960.347	2 182 357	51 130
633	81 393 490	9,561 277	2,229 777	48 035

LINEN Exported	from	the	United	Kingd	lom m	each	Year.	from	1834	to	184	7
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YEARS	Ratared 1	by the Yard	Thread Tapes, and Smali Wares	Line	ToyaL Declared Value	
Ĩ	Yurds.	Declared Value	Declared Value	Pounds	Declared Value	Deciared Value
		£	£		£	8
1834	67,834,303	2 35 991	85 355	1 533,325	130,812	3 579 658
1835	77 1 7 089	8 98 139	00004	2+11 215	215,635	3 208,778
1830	82 (34 700	3 238 031	85 294	4 574 504	318 779	3 645 097
1637	58 426.313	2.053 425	64 020	8.373 100	17 + 397	2 604,758
1838	<i>τ</i> υ,	271 079	102 98	14 323,329	746 163	3 566 435
1639	85 156,542	\$ 92 330	12.747	16, 514 615	816 485	4 233 4 2
1+40	BJ 175 431	3 194 827	3 11 261	17733,575	892,876	4 1 28 9 94
1841]	90 121 761	3 + 467	\$47.069	25. 10 190	972 466	4 320 01
3642	61,.12 (82	2,417 173	1 1/0,376 (29 1.0 967	1.02(331	\$ 372 100
1613	81 2 195	2 15 566	167 657	23,358 352	898.829	3 702,053
1 44	91 183 764	\$ 01.609	223,191	26,970,869	10066	4 075 476
1611	-	\$ 03c.370*			1064,506	4,096,936
1840		2 83 384	i		97 58	3 103 910
1947		2,96+ 895*	1 1		659,307	8,619 202

· Including small wares.

Rusis Vector Normany Decembra Contains Contains Holizod Flatter Protect Contains Contain Cont	£ 245 97 1005 360 100 5 289 } 6 488	£ 427 5 369 72 20 8 435	£ 439 \$26 \$21	£ 803 40 959	£ 1,829	£ 437	£	£	£	\$
Vecion Norrany Decementa Fransa Germany Germany Goristoni Proper France France Fortune Fortune	97 3 005 360 100 5 289	5 363 72 20	\$25	40	1,839					
Normoy Desmark Prosens Germany Holland - Belgram - Prance Sortages / Proper	3 005 860 100 5 289	369 72 20					1 077	754	8,497	2,46
Desmairk Fransa Germany Hullsod "Belgnum Prance Portuges Proper	350 100 5 269	72 20	1 1231		65	48	104	184	60	49
Prussa Germany Hollsond - Bolgroum France Portuger Proper	100 5 289	20			1 090	1 607	1 570	2,493	3,536	8,75
Germany Holiand Belgram France Portugel Proper	5 289			774	40	798	783	308	305	40
Holiand " Belgnum France Fortuger Proper			11 597	18 458	20 18.823	24 435	00.010	34 007	23	51 60
Belgium France Portugel Proper	6 488		2,849	4,98	5 249	6,075	23,310 5 960	11 450	45,096	10 ad
Prance Portage Proper		8,144	1 4 951	8 652	9 211	11641	8,779	5,369	4 648	67
Portugal Proper	9 372	16,015	13,718	22 854	62,315	111 388	144.5%	271 226	247 680	226,4
Anore	28,153	12,940	29 537	õj 446	36,164	16 787	87 .43	30 689	34 089	80.5
	1 592	1 726	1 864	1 743	110	1 488	1 865	570	828	8.
M deire	3 469	1 662	11,15	1 594	\$ 333	5 014	1 863	1 111	916	03
pain and the Balearle Islands	223 531	923 659	200159	132 408	192 234	203 512	151 628	113 493	128,204	167 0
Canaries	4,967	2,14/	3 189	1 825	1 092	4 234	3,+36	5 244	6,185	4 97
Sibralter	81 349	86,611	\$5 640	22,777	17 961	27 614	1 81 082	90 385	173 424	218,2
taly and the Italian Islands	19 370	35,492	16,8 12	29,551	34 196	46,575	83,798	\$0,140	76,997	62,1
laita	3 078	2,031	7 152	2,154	1 464	1 774	2,807	5,6-0	0,639	40
onian falands	302	819	966	1 215	1 640	1 440	1 758	1 470	1 608	10
dores and Greek Islands				310	411	30	190] 199)81	6
arkoy	751	1,326	2,358	9 165	6,334	4,821	5,630	4 959	8,83	2,9
yria and Palestine			1	36	80		1	1		1
ripoli Tunis Algiers, and Morocco	175		198	145	50	415	1 985	102	133	1
Vestern Coast of Africa	2,698	1 654	1 640	8 094	8,011	30	649	68	1 257	4
ape of Good Hope	12,398	6 441	7 126	9 000	18,243	2 598 26 297	4 269	8,275	3,969	19
ape Vord Islande	13-000	0441	1.00	3000	10,100	20 197	13 984	\$6,163	16,014	14 6
t Beiens	407	262	381	453	555	09	169		1	1
lecontion island	407					05	109	494	242	
dastern Coast of Africa					1		ş	27	t I	() () () () () () () () () ()
autriting.	2,912	5,743	4 9 9 9	8,724	6,611	11,19	7 907	1 14 741	7 072	
sle of Bourbou		-,		990			7 001	14/41	7 0/2	31 8
Inbla			1			289		1		
East Indua Company's Territories and Ceylon	1 01 000	39 691	27 518	17,238	2) 805	40 481	39 155	86 240	87 634	68,7
bina	31,389			1 60	6,003	2,819	703	3 927	6101	2 5
umatra Java & other Islands in the Indian Seas		2,704	8,570	6,672	1 654	1 150	1 708	4 5 14	7 600	153
hippine Island	677	1,225		100	1186		900	í	170	18,8
ritish Settlements in Australia	15,019	17 474	26 498	36795	35,569	35 899	43 7 24	82,954	87 868	85
fow Lealand both Sea Islands	68	45		}	92				1 364	~ 4
initiah North American Colonies	192 110	07 699	96.639	69 162	\$18,639	190 768		1	(t)	11
	850 678	807 465	323 402	834 995	370 134		96, ITG	104 832	113 345	164 2
lavti	101 878	136.436	323 102	87 497	118,890	404,841 61 638	874 643	352,470	340 812	331,0
uba and other Porcign West Indies	113 269	55,185	42 893	80170	70,248	83 761	54 880	87 101	84 1 23	46,11
inited States of America	1 021 696	414 160	830,520	3 047 744	1,561 826	1 687 877	80,048	181 109	113 649	132.6
fexico	75 197	19 4.49	61 614	65 360	62,800	17 167	884 597	941 281	1 964 008	975,5
untemain	1		1050	1 140	230		65,02	76 758	98,728 27	93.0
olumbia	24 705	45 532	10 203	80 214	12 910	35 278	30.153	81 /23	42,063	83 8
Brazil	\$17 374	187 587	169 650	103718	157 304	195 991	11 0.13	167 545	42,063	
t tes of the Rio de la Plata	16 1 7	\$2,279	22,017	44 902	35 681	28 304	43 2.7	81 196	4º 486	2313
2611	19 350	31 205	37 738	60 984	21 190	89 307	49 061	30 268	62 584	3,00
eru	28 168	9.3 LH B	41 546	84 411	29 736	32 306	54 074	40,654	45 620	116,4
ales of Guernsey Jersey Aldorney and Man							1 .		-5 040	0,0
(foreign goods)	15 944	17 005	15,494	17 706	17 058	17 268	16,019	19 387	17 637	22.8
TOTAL	1.461 704	1774 27	3 107 024	2,443 340	2,992,143	3.326.325	2,197 445			2410

			·····															
	JI JI	32	18	13	18	84	н	35	11	30	11	337	18:	18	18	39	18	10
COUNTRIES	Quan titles	Do clared Value	Quan litics.	Do- clared Value	Quan titles.	De clared Value	Quan dues.	De clared Value	Quen trues	De clared Vaiue	Quan tities	De clared Vatue	Quan titles	De- clared Value	Qoan titles	De clared Value	Quan tities	De clare Valu
Rasa Swdi Noway	iba	£	lbs.	£	lba	£	lbs	£	lbs 1,840 700 199	£ 143 60 6	1bs 3 082 2,035 820	£ 219 267 69	lbs 2 705 200 443	£ 911 94 62	lbe. 900 1,090 9.56	£ 15 50 17	3 225	(
Dumik Gerosvy Hollod Bigunas	500 3 100	65 275	13 269	20 600	8,021 2,303 41 533	889 308 2,297	111,920 47 639 31 035	10 1059 8 216 9 0 3	38 082	1 26 210 7 834 3,320	320 039 324 40 588 505	95 016 19 408 96,974	1,380 141	68 29 660 30 5 8 51 691		54 033 69,302 98 742	7431/2	73 65 29
F co P rtugat Spai and lelande Gibrattar	70,519	6516 253	867 258 1 068 630	63,999 49 40	1 480,369 856 5,625		2,384 67# 1 456	198,823 84	4 019,141 151 200	276,942 69 20	7 010 983 934	401 007 96	11,465,680 4,608	6a) 906 200	12,239 254 500 83,351 15718	644 144 75 2,594 905	13 137 46 295 23 619 85 774	639 3 5,
ic iy and the ftalian I lands East Iodi # Australia B u h North	7 421	780	7 683 1 600 112	\$08 50 80	2,594	192	10,855 9,016	600 120	85,438	3,612	92,818	5 940	138,047 25	7,725	162,370 600 4 454	25	243 263 784 2 246	····
Buh North Acrica Brtsh West Indies Unued States of	1 852 3 680	70 193	1,248 2 706	65 176			1 028 300	55 10	\$,011	205	6 69. 3,200	888 170	40 7 56	1 838	22, 523 260	810 15	5 821 7,368	
America Channel Islands	14.976	840 28	97 220 8,390	1 792	41 610	1,816	15,679 5 208	650 105	2,425	10	18 983	1 190	108,385	3,308	110 208	4,813	87 133 1 776	

			1943					1845		
	LINBN	MANUP	ACTURES			LINEN	MANUF.	ACTURES	.[
COUNTRIES TO WHICH EXPORTED	Entered by	the Yard	Thread, Tapes and Small Wares	LINEN	YARN	Entered by	the Yard	Thread Topes and Small Wares	LINEN	YARN
	Quantity	Declared Value	Declared Value	Quantity	Declared Value	Quantity	Declared Value	D, clared Value	Quantity	Declare Val te
	yarda	£	£	fbs	*	yards	€ 071	-6 3,180	lbs 4,720	£ 51
Russia	74 591	2 641	509	8,521	407	12,365		3,160	4,720	51
Sweden	8 350	274	29	\$,200	238	1,607	63	2,042	7 665	
Norw y	139,618	013	1 086	870	40	168,841	6116	630	7 265	22
D nmark	0 015	361	19	11,900	638	11 189	294	126	21 626	94
Prussia	98, 23	1,359	7			6 833	878		15 040	
Cerm av	657 743	31 995	22,471	994 270	63,540	9,305 031	83 118	86,014	3 84" 031	
Holland	38 403	0 309	4 658	2,524 671	65 30D	\$36,226	19 293	11 529	4 188 536	
Belg un	72 374	\$ 270	1866	442 /69	14 120	117 178	6,412	6,385	1 003 260	30 8
rance	8.823 .03	281 982	1 925	20 833,875	806,336	3,36,062	102,440	409	9153188	414,3
ortugal and Islands	809 189	22 339	16	1		750 356	17 983	\$5	4,347	2
pom and the Balcaric Islands	3,934 226	185 926	945	59 131	1 999	2,411 586	99 527	1 057	3,629 (10%	171 3
- Laparies	345,069	5 002	1	805	26	169 176	5 339	1	1 036	1 .
libraltar	5,231 404	192 270	787	95 426	6,559	743 657	24 425	1 133	\$93,031	29,1
taly and the Itelian Islands	033 724	59 721	504	223,361	10 614	3 034,24*	80 120	2,537	B00,644	42,6
Malta	89 500	4,932	45			148,740	7 801	103	875	
onian Islande	33 787	1 590	148			13 723	. J80	490	8, 60) 1
fores and Grock Islands	1 338	147	88			6 27 2	82(107	1 310	
rkey	92 049	4 404	97	108	7	452 628	14 705	4.62	7 823	8
Syna and Palesting.	8 946	380	,			6,395	3 58			
Feynt	7 041	458		i 1		15,120	719	1		
Fripals, Tupus, Algiers and Morocro	19 000	505				2,00	130	95	1	
Western Cuast of Africa	66,~13	9,79	12.	1 1		47 403	1.977	92	1 1	£
Cape of Good Hope	254 975	12 884	1 018		1	591,654	20 000	1,448		L I
Capo Yerd Islands	1 060	80		} }					1 .	1
st Helena	1.553	96	1			1 618	20			1
st nejena	244 906	ചങ്	375			180 606	5.721	10	1	1
Pass In his Commany's Territories and Carlon	800 658	23 611	\$ 506	1 1		1 900 989	59 530	1 227	1 363	(·
umatra Java & other lalands of the IndianSens	139 621	4 1 30				237 069	9,021	78	1	1
hina	211 316	8,986	180	1 8		259 921	11 975	858	1 1	{
Brit ah Settlements in Australia	971 585	40 132	1759	1.044	105	1 674 596	50 197	1 403	620	
New Zealand	40.00	990	1 1			124 370	8,187	60	,	l I
British North American Colonies	8,920,924	1*9758	17 979	1 005	65	4 351 610	133, 945	19,767	396	i
West Indies	\$ 14 430	828 165	88.1	111		0 938 193	229 365	326	1 187	
t vti	2,314 94	54 601	65	1		\$ 405 221	40 617	493	((
P reign West ladion Colonies	8 17 3 365	130 153	5 127	1 300	30	10 037 986	807 573	6,073	200	
inited States of America	81 000 067	\$ 109.35%	82 160	22.357	409	25,983,112	850 542	48 167	54 269	
Inter States of America	5 \$85	123				4 974	230	37	1 04 105	i ***
rain Mexico	1,537 250	97 205	\$67			4 136 359	177 623	415	4 9*1	1
	67 408	3784		()		2 440 504	56 499	412		í '
nstemals	3,044 394	24 996	135	100	2	1		i '''		
Jolumbia	6,075,584	210 308	8 489	\$000	140	7 969,599	269 458	3 548	1.	1
states of Ron de la Plata	2.015 605	68 820	1.494	~000		1 008.004	84 720	1 031		
		26 169	107			1 175 '-03	49 227	333	1	1
Chili .	698,450 1,481,855	60 001	817	1 1		1,820,504	61 580	670	1 1	í I
oru		19 010	420	48	3	454 306	20 476	260		ł
isles of Guernacy Jersey Alderney and Man	352 948	19 010	470	40				1 480	1	L
TOTAL	90 321 761	3 200,467	147.058	25,220,290	972,466	88,401 670	.830 784	205,380	23 288 725	1

CLUTIVATION AND SUPPLY OF BAW MATERIALS

STATEMENT of the Prices of Linen Yarn and of Canvase (No 37) and of the Wages par	d
at Leeds for Weaving the same in each Year from 1813 to 1833 incluave	

DESCRIPTION	1913	1614	1415	1616	1817	1818	1819
Average size of an a crace bundle of yars cettionied in leas of 3(b) varia per lb	11.1	11.1	114	11 2	11.4	11.3	11.6
	s d.	8 d	• d	8 d	a d	5 d	• 4
A crage selling price of such average bindle of yarm Wages of weating a piece of canvass	28 6	2J 5	27 7	21 0	19 10	°I 4	35 10
No.3 36: ches wid 1/ threads warp 17 weit p 7 inch	2 8	28	2 10	28	26	2.8	28
Selling pice of a piece of canvase No 3	30 0	a0 0	28 0	22 0	29 6	21 3	24 0

DESCRIPTION	18	320	18	21	16	28	18	23	1	524	11	123		826
Average size of an averag bundle of yar estimated in 1 as of 300 yards, per lb	1	13	15	. 4	1	1 G	11	9		74	2	15		85
verage selling price of such average		4		ď		d		đ	1 8	đ		đ	2.	4
bundle of yarn age of weari g a piece of capvos A 37 30 in beswide 16 thread warp	17	7	36	2	10	8	15	7	13	6	14	4	18	. 4
17 w ft per in h	3	8	2	5	2	8	2	8	2	6	2	7	1 2	
oliting price of a piece of canvans [23	0	20	6	20	0	21	0	1 10	٥	19	8	16	6

STATEMENT of the Prices of Lanen Yarn &c -(continued)

STATEMENT OF U	ie Frices	of Fige	n tarn,	ac (c.	опитиса)	
UESCRIPTION	1627	1829	1529	1830	1934	1832	1833
A erage size of an a crage bundle of y r commuted in) as of 200 yards per 1b	\$20 0	29 5	26	26 6	27 6	21.8	37 1
A erage aching price of such average bundle of yar $W \in -of$ was ing a piece of canvass	s d. 13 0	s d 11 5	4 d 10 1	a d 10 10	≠ d 11 1	* d 10 3	10 9
N 37 3f inche will be threads warp 17 with per inch Selling prior of a plich of canvans N 37	2 F 16 6	1 35 0	26 160	26 176	26	6 18 C	26 180

STATEMENT of the Weekly Rate of Wages paid in a Liax Spinning Mill near Lords, in the Year 1832

NUMBER OF CHILDREN AC	Average.	NUMBER OF LERSONS AC	Average
661ildreo + to li yeans old 170 II 14 144 IS 177 14 183 1 20 p.m. s 10 20 p.m. s 10	# d. 3 14 3 95 4 24 4 95 6	100 porsons 17 y ars old 60 18 54 19 45 40 64 21 64 21 and pwards	v d 5 103 6 5 7 4 7 93 8 16 72

The above rates had been nearly stationary during the preceding twenty years

The improvements made in the operation of flax spinning in England are rendered upparent in a very important manner, by the fact that we are now large exporters of linen-yarn to Ireland, and even to France the earliest shipments to the latter country were made in 1833, and amounted to only 76,512 lbs, but the quintity rapidly increased until 1842, when it reached 22 202,292 lbs

The following table exhibits a considerable increase in the consumption of foreign grown flax during the last ten or hifteen years, but it is probable that the

growth of the article in this country has, in the meantime, experienced some diminution

YBARS	FLAX	YEARS	PLAX	YEARS	FLAX
	CW18.		cwts		ewts
1630	376 179	1829	909 709	1837	993,0-4
1821	491 582	1830	955 112	1838	1 615 905
892		1831	918,888	1839	1 216,813
1623		1832	264 869	1840	1 455,322
1824		1833	1111 190	1841	1,334 213
825		1834	794 272	1843	1 130,312
626		1835	742,665	1848	1 422,922
1697		1830	1 511 498	1814	1.583,328
1628	882,289		1	1011	

YBARS	COFO	URED	W H	WHITB				
IBARS	From Bugland	TOTAL	From England	TOTAL	GRAND TOTAL			
	kilogrammes	kilogrammes.	kilogrammes	kilogrammes	hilogrammes			
832	19 400	707,800	11 200	114 609	R2 400			
633	2,9,800	1 164,900	65,700	200 00	1 31 600			
834	673 200	1 423,300	108 600	328,300	1 001 500			
\$35	1 151 900	1,862 900	112,800	213 500	2,076 400			
836	1 597 400	2414 400	151 600	265 400	2 670 800			
537	9.867 000	3 47 9.900	297 300	403,000	3,8 5,900			
36	4 757 200	6 216,700	444 700	534 600	6,751 600			
39	5,552,390	6 076 400	632,600	631 099	\$ 177 4D0			
40	6 (19 600	6 274 200	40.3,700	570,900	67,5100			
841	8,373,800	9,039 400	771 600	625,900	9 165 303			

THREAD of Flax and Linen entered for Consumption in France

DECLARED Value of Apparel and Slops Exported from the United Kingdom

	<u> </u>	ue or a	appine	abak	iopa L	portect	1 11001	the en	itter its		
COUNTRIES	1831	1889	1933	1834	1835	1636	1837	1638	1839	1840	1845
	£	1 2	£	3.	£	£	1.8) £	2	£	£
Russia.	967	1715	1 1 52	1 275				1 327	3,106		2,567
Sweden	169	351	518	-100					1 023		541
Norway	2 050	1 210	1 3 544	20"5		2,880	1918			2,205	5,998
Denmark	520	378	261	283				266	159		24
Prussis	255	326		69			197	86	153	183	
Germany	7 830	10.008	33 943				12,503	14 125		j 22 950	13 872
Hoiland ?	12,165	32 036	\$ 10 541	13,374		19 073	1 12 190	13 901	14 801	11,506	23,509
Belgium		1 15 0 30	2 3 846			6 143	43 9		6,299	# 0°3	3,953
France	5,748	11.527	17 087	10 296			1 16 744	17 288	22,690	23,069	23 29
Portugal Proper	1 610	3 830	13 873	15 802	13,93	10,419	4 674			4 420	3,909
Azores	1 385	7,609	1100	1 306	1 77					1 976	1 779
Madeira	9 171	1 476	2,103	2.3 1	3,95			1 019	2 039	1 506	1 546
Spain	6.243	2,053	3 868	1 104							3,448
Conarica	433	484	256	397						844	1 266
Gibraltar	8 879	8,398	12,901	5,930				13,456			14 018
Italy and the Italian	1	1 0,000		1	1		1	1 .0,000			
Islands	6,253	5,640	7.218	6 777	7 952	6.365	4 462	8 675	044	9 270	10 969
Malta	1 8/12	1 715	1 003	2 154	a 084		1 691	8 014	8 536	2 201	15 700
Ionian Grisods	1 980	2 198	2,621	2 049				1 476		2,303	3,916
Turkey	3.045	3 792	2,974	4 348	3 960		3946			4 660	10,724
Fgypt	563	166	741	335				368	1 485	1 431	23 090
Western Coast of						1		1			
Africa	10136	7 286	8,139	0.044	8,036	10761	7 470	D 282	11.06%	8,746	10 209
Cape of Good Hope	34.071	19 330	2114	23 369	21 053			48 920	40 (7)	45 /812	113 199
St Helena	3 588	1146	2 335	4 697	2 375			8 031	2 386	1 47 2	3.34
Mauritius	1.423	4 526	8 483	6,932	\$ 191			24 652	11 453	17,360	13 809
East Indies & Coylon		57 431	28,776	2 610	41 671	09 013	50 0.09	61.013	77 7 10	90 14	109 373
Java &c	168	54.5	763	631	1 403	1 951	693	464	47.3	1 601	a,045
Chin	- 10			671	1 053		1 246	2 741	1 584	1.389	7 103
British Australia	77 933	70 315	87 669	129 616	117 009	169.711	173,512	225 775	272,432	279 176	278,855
New Zealand &c	532	4 6	115		614			70	2 445	6 201	
British North Ame											
DC1	168 732	101 488	1 52,906	138 137	170 654	221 874	174,708	156 255	260 240	250 131	388,269
British West Indies	168 313	160 133	196 737	202 251	233,756	330 192	269 159	256,086	296,056	231 908	259 778
Havti	9.631	8 424	1 1 26	915	1 120	1 792	323	412	825	663	576
Cuba and Poreira I									0.00	~~~	
West Indies	9 3 3 0	31 017	12,659	19 672	17,990	12,643	13,089	50 834	10.369	8,912	9 753
United States of									* of a contraction		- 1.30
America	159 363	81 472	127 911	106.282	928 261	254 209	75 295	164 (5)	180.019	109 341	149 750
Mexico	5 3 1 1	817	1 240	1 129	4 074	3 706	3 188	528	1 469	8,514	\$ 076
Columbia	1 4 3 4	1,033	1 277	9,371	763	714	463	938	524	639	2 309
Brazil	9,961	6,825	14759	16,434	20,008	28 439	12,096	11 576	13,967	15,021	18 261
States of the Rio de									10144	10,041	10 101
la Plata	4.341	8.067	3,082	8 096	3 985	6 0231	2 3 1 1	1 545	3,157	4 991	6,396
Chili.	8 130	2 899	2 164	2,335	2,210	5 239	3 660	2,658	4 511	7 461	5 134
Peru	8 038	2 193	6.009	2,011	8,512	2 443	1 841	1 317	1 573	3,595	10,769
Channel Islands	13,311	16,186	11 176	18,915	11 416	16,589	16,616	18,681	18 603	10,509	30 974
Other places.			120	370	619	611	449	989	345	779	1 249
TOTAL	700 293	719,340	769 148	789.248	1014 638	1 991,379	950 951	1 100 \$77	1 399 497	1 209 697	NO. NO.
								· · ····		1 100,087	1 034,280

The proportions in which persons of different ages were employed in each woven branch of industry, in 1835 and 1839, were as follows -

	1630			
AGES	Gottes	Woollen	Fiez	Sin
Sight to twelve years Twelve to thirteen years Thirteen to eighteen years Above anglicen years	pur cent 3 7 9 3 29 8 57 2	per cent. 67 120 298	per cnt 37 179 361 480	per cent. 200 87 208 396
	100.0	100.0	100.0	100 9

	1855			
AGES	Cotton.	Woolien.	Plax	Sılk.
Under nine years	per cent	per cent.	per cent.	per cent.
Botween nine and thirteon y are	4 75	32 35	4 05	22 60
Between thirteen and eighteen years Above eighteen years	87 49 57 73	29 59 48 06	44 00	34 19 40 41
Noore engineer years		44.00		40 44
	100.0	100.0	100-0	100 0

1090

8 B X B S	Catton		Wor	tlen	Pi	x.	Silk	
	1835	1830	1835	1839	1833	1839	1835	1839
Mates Females	per cent 45 7 54 3	per cent 43 5 56 5	per cent 52 5 47 5	per cent 48 5 51 5	per cent. 31 2 68-8	per cent 29.6 ,0 4	per cent. 32 2 66 8	per cant 31 7 68 3
	100-0	100 0	100-0	106.0	100 0	100 0	100 0	100 0

The returns of 1835, in regard to the mechanical power used in factories, did not allow of precise calculations with respect to the proportions in which that power was used as compared with the number of persons employed The following abstract gives only the information from the returns, both in 1835 and 1839

				1635		_			
DESCRIPTION OF PACTORIES	Number of Factories the Power of which		h amber o	,		-power of nos and Wheels		Number of Horses	Number of Persons Em plc yed in Factories the
	is given Stem Engin			TOTAL	Steam	Water	TOTAL	tusliy Em ployed	Power of which is given
(otton W lien Fl x Sala	No 987 740 00 131	No 1000 528 55 118	No 479 462 5 41	No 1479 990 110 159	No 27 433 10,300 1 746 1 343	No 6 573 4 703 528 832	No 84 008 15 003 2 2~4 1 675	No 30135 13536 2294 160	No 172 805 41 685 19,010 18,390
T 11) 2848	1701	10.17	2739	4083	12 138	52 969	47 898	230 590

DESCRIPTION OF FACTORIES	Number of Factories the Power of which	2	lumber of		Horne Engi	power o nes aod Wheels.	Water	Number of Horace Power ac- tually Em	Number of Persons Em pl yed in Fact ries the Power of
	is given	Stearo Bogines	Water Wheels.	TOTAL.	Steam	Water	TOTAL	ployed	which is given
Cotton Woollen Flax Bilk	No 1819 1738 392 268	No 1641 888 31.7 207	No 674 1207 240 109	No 2335 2005 565 516	No 45,897 17 398 7 412 2 407	No 12,977 16 406 3,678 929	No 59 804 97 804 11 850 3,379	N 0 55,783 20,554 9 585 2,977	No 25+33 86 146 13,487 34 318
Tor L	4917	3031	2230	5281	74 094	27 983	192.077	93 91 1	423 636

1639

From these figures it appears that the number of persons employed for each mechanical horse power at each period, was---

PACTORIBS	1815	1689
In Cotton factories Woollen Finz Silk	pamber 54 34 nearly 94 12	number 46 34 nearly 44 11

The larger proportion in the silk mills arises from the greater number of young persons employed

The progress of our textile manufactures during the period of four years will be apparent from the following statement of the increase or decrease in 1839, as compared with 1835, of the number of factories at or out of work, and the number of persons employed *us* each division of the United Kingdom —

PACTORIES	ENG	LAND	WA	LES	SCOT	LAND	JRE	AND	UN KING	TRD DDDM
FACTORIES	In crea s	De-	Ів станае	Do- crease	Ip-	De- cresse	In crease	De- crease	йв сгеляе	De. crease
	No	No	No	No	Na	ho.	No	No	No	No
Mills at work	-									1
Wool	313)	63		29	ŀ		5	425	
C. tunn	6 6		1	1	33	1		1 4	555	ł –
S W	82	1	1		1	1	1	1 1	30	
Flax	27	1	1	J	13		15		45	
Mills empty-			1	1		ſ	- · · ·	1	1	1
Wool	40	1	11	1	5		7	1	63	
Cotton	46	1	1	1	1 0	1	1	J	53	
Silk	1	2	1	1	1		1	(L	ſ	3
Flax	j 1X	ļ .	ļ		7		4		23	
PERSONS EMPLOYED					[
Under tuitteen years		2,149	54	1	í i	478		- 91		2 6 4 4
Thirteen to eightics years	1153	1	312		1136			49	12 372	
Above eighteen years	3 808		205	J	JIA			132	4 834	
TOTAL	13 252		631		151			292	25,162	
C dien-	ŧ									
Under thirteen years		13 11		ш		2834		345		16,441
Thirteen to eighteen years	2.088		41		3,811		942		31,522	
Above eighteen years	412			11	1.504		269		23 6 0	
TOTAL	36,055			242	2,181		626		33 251	
Silk_										
U ider thirteen years		311				42		3		335
Thurseen to eighteen years	2 /55				60			25	2,240	
Above sighteen years	1 664				1			22	1711	
TOTAL	3 608				77			49	3,646	
Flax-					- 1					
U, der thirteen years		161				1572		236		8 449
Fi it en to eighteen years	2 732				3 180	· 1	2803		2 114	
Above ighteen years					2,880		2769		6,539	
TOTAL	380		1		4 488		5336		10,204	

STATEMENT of the Number and Power of Flax Factories in Operation in different Parts of the United Kingdom, with the Number and Ages of Porsons employed therein in the Year 1859

	ENG	LAND	₩.	L2#	Scot	TAND	3.44	-*#D	(NITED	Кінсром
Mills at work Mills ampty		12	Aut	аbст	ii 1000	nber 83 7	ມິຫ 4		nomber 392 3	
	Engines.	Horse Power	Engines	Horse Lower	Engine	Horse Power	Engines	Horse Power	Bugines	Horse- Power,
iteam power Water power	5.1 211	3 134 1 131		1	160 91	8,350 1 495	32 37	9728 1 03%	815 240	7 419 3,6 8
Passons Bw	Malos	Females	Mates	Penales.	Males.	Females	Males	Females.	Males	Founder
PLOYAD Juder 10 years	number 130	number 98	number	primper	aumber 29	number Iti	number	number	pumber 152	number 123
0 to 11	206	164			29 30	36	3	14	231	214
13	245	205			27	58	12	41	21	290
i ia "	774	0.0		•	878	1 240	350	535	2,002	2,731
4 15	651	1 103			653	1 017	441	745	1 745	2,865
5 16	443	1 693		1	391	1 049	269	627	1103	2760
5 17	356	914			\$16	920	179	648	658	2 182
7 18 .	103	902 540		۱ I	143	903	158	352	454	2,357
	145	803			117	1 015	100	834	279	2,358
60 21	134	67.2		1 1	105	949	97	518	413	2,338
ll and upwards	7 999	3 16)	ļ	1	2,017	4 834	988	1 241	4 974	9,256
TOTAL.	4,378	11 195	1	i	4 738	13 149	2 781	6,330	12,897	20,594
Torat, makes and females		5 578			לו	907	9	011	43	5,491

STATEMENT of the Number of Flax Factories in Operation in the different Parts of the
United Kingdom, with the Number and Ages of Persons employed therein in 1835
······································

COUNTIES &c		Work	Retw Eight Jug Ye	bow i	Betw Twelv Tř ri Ye	een	Betw Thurte- Esgh Ye	n mad	Aba Eigh Yea	teen		TOTAL ber of Per smpleyed	1 0119
	×	Number o	Males.	Pemales	Malea	Femaler	Males	Pennies	Malos	Females	Males	Females	Тота
England	-	No	No	No	No	No	No	No	No	No	No	No	No
Combi ria id		7			1 1	8		80	20	116	25	214	: 339
Derb	1	ŝ.	5	1.1	1 7	š	14	1 16	5	ล้	31	53	84
D TOD		- 4	-		اة ا	5	8	34	14	73	80	112	144
Dor et		11	11	14	20	40	61	202	78	278	176	034	710
Darham	- 6	6	2		60	87	47	1-2	90	203	199	402	1 601
ilas ta	1	- <u>s</u>		9	3	5	4	32		41	11	60	91
heut	- 1	1			1		29	35	7	11	36	26	69
Los caster	1	18	65	60	265	260	386	811	469	08	1 185	1839	3 024
Northumberland		3			. 0	23	7	68	- 35	103	48	194	2.02
Notungham		- 1			, 7		1				8		5
Daford		-1	. 1			3	2	10	1	1.1		12	1 16
balop		1	34 17	16	45	37	124	173	116	\$ 19	311	3 5	1 686
v et	- 1	13	17	13	13	9	42	109	37	128	109	\$58	367
W it	1	- 1	16	14			38	12	34	75	113	1,5	204
York W (Riday,	1	64	833	303	6.0	735	3.145	2.318	1 595	9 419	3 063	5/5	9 136
- N rth Huding	1	4	13	7	7	10	17	51	21	39	58	108	164
Torat, England Wales	ī	132	487	434	1 048	1 173	1 929	4 192	2,551	4 379	6,015	10 179	18 193
See land		170	104	175	609	918	1 120	3 064	1 150	5 460	3,302	10 017	13 405
Ircland		25	i	15	125	199	390	1 308	463	1 171	988	2 603	3,68
T TAI United Line	1 m	34	50%	124	1 82	294	347	5 36 4	4.5(1	11 410	10.395	27 188	33 28

RETURN of the Total Number of Persons employed in Cotton, Woollen, Worsted, Flax, and Silk Factories, respectively, in England, Scotland, and Ireland, and the Total Number in the United Kingdom showing the respective Numbers of Males and Females, the Number employed under Thirteen Years of Age, the Number between Thirteen and Eighteen Years, and the Number above Eighteen Years of Age, also specifying the Numbers in each County

		συττοχ											
COUNTIES		Thirteen of Age		Thirteen con Years Age		Eighteen of Age.	Toral						
	Males	Females	Malos	Females.	Malos	Femalus	Males.	Females.	Malea and Females.				
	number	number	number	number	namber	number	number	number	number				
Chester	1 097	649	4,618	4,513	12,141	14 090	17 854	30,359	38 105				
Cornwall	1	1	1	43		56		99	194				
Cumberland		26	231	643	625	937	877	1 625	2,302				
Derby	D11	548	1 470	2 968	9 760	4 070	4 741	0,861	21 602				
Flint	1 11	1 4	299	300	214	785	443	1085	\$31				
Gloucester	7 821	4 625	24 401	35 185	57 548	71 903	69,770	111 803	1 330				
Lancaster	1 7 691	4 629	30	30 (83	178	375	99,770	367	301 873				
Leicester Middlessa	· ·	{	1 118	57	131	161	249	248	497				
Norfoik	1	l	1 11	29	43	1 03	53	83	145				
Nottingham	7		136	416	230	891	393	1,243	1 630				
Stafford	41	44	168	895	495	730	614	1 189	1 603				
Surrey		1	1 4		87	1 1	81		84				
Warwick	1)	1 18	41	19	98	33	69	101				
York	1 207	927	2,340	8,101	4 344	4 890	7,891	8,848	16,739				
TOTAL for England	10 723	6814	33,814	47 944	78 785	\$8,950	123,320	153,705	277 098				

ENGLISH FACTORIES

ENGLISH FACTORIES-(continued)

	1			wo	RST	вD				
COUNTIES		Thirteen of Age	and Righ	Thirteen teen Years Age		Bighteen of Age	TOTAL			
	bialus	Females	Males	Pemales	Males	Fomales	Males	Females	Males and Females.	
	number	Bumber	number	number	number	number	aumber	number	number	
Deven		1 1	10	33	14	38	24	86	110	
Durbaca	41	28	38	149	70 98	280	182	456	634	
Lancaster	23	24	40	64	98	197	161	179	340	
Le cester	1 1	1 4	\$47) 291	487	759	736	1 054	1 1/8	
M idlesex	1		15		9	1 3	24	1 3	7	
Norfolk	(17	16	\$3	292	106	831	206	£ 139	1 345	
Northampton.		10	7	19	34	18	43	47	912	
Nott gham	1	(3	33	15	1 14	16	47	65	
Stafford)		-	3	16	16	16		34	
Surrey		[3	16	8	92	11	45	56	
Yark.	3362	3794	3985	9,868	6362	19,948	18,709	33,590	47,299	
Torat (Bagland	3453	3884	4452	10 767	7228	22,012	14,138	30,664	51 797	

		ENG	LISH F	CTORIES	—(conta	nued)								
	1			wo	OLL	вч								
COUNTIES	Under Th rice : Years of Ag		Petween 1 birt en and En breen Years of Age		Ato (Eighte n Years f ign,		TOTAL							
	Males	Fems es	Males	Females	Maler	Pe mai #	Malos	Females	Vales and Femal					
	number	numb r	number	number	number	number	number	number	num) r					
Brecon		1	25	18	1 37	1 9	63	19	61					
Cadgen		1 1	13	. 5	-	8	25	16	41					
C r artheo	5		38	95	31	1 13	74	37	111					
Ci es er	14	5	16	24	45	1 4	73	33	103					
Ct mberland	•23	16	31	63	111	42	185	11	306					
D nbigh	16	i	33	29	160	44	61	74	365					
Derby		1 î		1	19	3	6	1 5	31					
DL n	i a	39	95	399	282	6.7	348	1 134	1482					
Dorset			1 20	10	23	30	43	40	89					
B (3	1	1	2	1 1	1	1 1	i a	8	5					
Gim n	6	6	30	ar a	71	39	107	1 112	219					
(i) ester	28	12	880	820	1 363	1.9%	\$ 491	2 5 7	5,308					
Bas	- 40		2	1	1 303	1 ***		1 1	5					
li ref d	1	-	1 3	7		1	1 6	1	13					
Lancas	707	64*	่องเ	10 6	2 943	1 643	4 601	3 370	7 971					
Loit ter	101			46	61	60	80	107	196					
Locoin		1	1 27	- 10		3	i ii	107	37					
M moneth		5	7	1.7	63	28	75	30	125					
M dil sex	3	5	30			28			175					
	2	· .	1 13	28	105	19	202 63	28						
Monne th	3			125	259	19	522	41						
Montgomery	32	13	238					221	743					
Norf is	10	3	1	10	29	10	46	29	75					
Northumberland	2	1	1	1	. 7	7	10	8	18					
Oxf rd	2	3	78	72	104	68	184	143	827					
Radnor	1	1	I		2	1	3	1 1	4					
Selop	14	4	28	15	14-	63	207	82	×89					
Sem ract	20	14	383	322	713	212	1 123	1 058	2,180					
Surrey		ł	40	\$	85	8	123	10	135					
W Atmoreland	►51	64	53	130	120	80	224	62	486					
Wilte	7	1 1	679	448	1 253	877	1 939	1,326	3 365					
Worcester	L	1	43	144	214	24	205	418	673					
York	3222	2238	6, 36	5346	14 629	6,546	94 607	14 130	39 737					
TOTAL for England	4206	3008	10 624	8253	23,135	13,401	37 965	24 7 82	62,687					

ENGLISH FACTORIES-(continued)

Some worsted milis are included under this head the returns from which do not distinguish between wooilen and worsted

		P L A X										
COUNTIES	Under Thirteen Years of Age		Between Thirteen and E ghiern Years of Agu			Eighteen of Age	TOTAL					
	Moles	Females.	Males	Penales	Males	Females	Males	Females	Males and Pemales.			
• · · · · · · · · · · · · · · · · · · ·	number	number	number	number	number	number	number	number	number			
Camberland	30	- 23	50	113	151	309	243	445	688			
Derby	9	19	9	20	4	56	23	58	110			
D. on		1	8	5	31	33	13	38	31			
Dorset		ł	48	111	86	342	136	453	589			
Dhu	10	7	11	32	43	124	64	101	\$25			
Glouce ter			7	37	•	47	- 11	84	9.4			
Hant			3	47	1	37	10	84	94			
h nt			54	30	28	28	82	38	110			
Lanca tor	73	55	319	562	354	1179	745	1 796	1,54t 190			
Middl x	1 1		30	14	83	63	113	177	190			
No thumberland	1	1	80 99	155	78	102	138	257	395			
Balop	53	51	99	102	200	236	355	389	41			
Somerael	1 1	1	58	137	59	237	1 139	374	495			
8 m y	1	1	- 83	1 21	- 54	17	89	38	127			
W tmoreland	26	25	35	75	180	214	167	514	601			
Wilts		1	9		10		19		19			
York	626	379	1552	3056	2538	4491	4710	8 1 2 6	12,642			
Totat for England	830	789	2385	4517	3837	7518	7058	12 783	19,840			

ENGLISH FACTORIES-(continued)

	ENGLISH	FACTORIES-	(continued)	£.
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	8 I L E.												
COUNTIES	Under Thirteen Years of Age		Between Thirteen and Eighteen Lears of Age		Above Eighteen Years of Age.		Total						
	Males	Females	Males	Females	Males	Femaler	Males.	Females	Males and Feasiles.				
	number	namber	aumber	pumber	number	number	aumber	number	nomber				
Buch	.12	39	29	34	4	59	72	1.32	204				
Chester	147.0	10%0	1933	840	2 23	4 468	5 701	8 468	14,109				
Derby	255	574	504	1084	737	1,169	1 496	3 545	5,144				
Deron	24	1 31	21	102	25	196	70	319	399				
Dorset	26	1 102	1 18	130	1 17	139	65	37	442				
Estex	67	100	80	503	253	1 149	409	1,810	3,237				
Gloucester	9	106	16	202	8	158	33	464	417				
Hant-	9	4 4 1	5	99	12	96	26	1 .37	263				
Hertford	156	1 118	104	137	180	167	490	423	912				
Kent	ł	2	1	13	5	60	. 5	73	80				
Lancaster	329	674	610	\$070	1009	3,045	2,678	\$ 789	8,357				
Middlesex	3	1 3	83	32	77	242	116	10	294				
Norfalk .	3	78	28	129	150	1 155	181	1 657	1 *35				
Nottingham	94	1 150	65	518	46	*44	216	613	849				
Oxford	7	6	I	1 1 0	- 2	19	9 256	1 328	44				
Somerset	119	252	61	506	76 357	634 339	236	1 1 950	2,645				
Scoff and Buffolk	78	259	137	443	357	163	108	498	606				
Buffolk Warwick	55	107	1 08	159	310	629	451	840	1,301				
Wilts	33	117	22	186	22	213	901	516	GD6				
Worce ter		1 18	6	128	7	168 I	87	413	500				
York	74 50	107	161	293	497	3.59	709	759	1 4 68				
TOTAL I Z Ropland	9951	1 4777	3603	9310	7218	15,831	18,172	°9 919	43,690				
		Тот	ALS ID A	ll Factori	es m Ev	gland							

tensed) •(• ENGLISH FACTORS

GOUNTIES		l'hirteen af Age		Thirtren cen Years Açe	Above Years	Bighteon of Age	}	TOTAL.	
	Malen	Fomales	Males.	Females	Males	Females	Maice	Females	Visics and Females.
	number	npmber	number	number	number	mumber	humber		number
Brecon			- 25	10	37	9	69	((9	*1
Bucks	313	39	29	1 84 1		1 59	72	133	204
Cardigan	5	1 4	13	5	7	8	25	16	{ - €€
Carmariben	i i		35	25	31	12	74	37	
Chester	\$ \$86	2,884	6,065	7,837	14.979	19,362	23.630	26 7 53	52,033
Cornwall			1	43	4	56	5	(99	104
Comberland	63	65	198	618	514	1 308	1 395	1 1 991	3,296
Dentrich	36	1 1	1 53	29	360	44	231	74	395
Derby	180	ลิเเเ	1,995	3,358	3 1/20	6,118	0 255	10 603	16,887
Deren	45	1 1	1 128	.38	283	9-9	455	1.47	2,048
Dorset.	26	102	80	263	135	511	244	676	1 120
Durban	56	1 3	69	180	192	402	346	1 617	863
Rasex	67	166	1	504	234	1150	412	1 820	3,238
Flint	i n	11	28	35	58	88	1 1	{}34	231
Glemorgen	6		30	66	ñ	39	107	118	219
Gioucenter	37	រ បទ័	1 1 101	1 359	1 809	2,973	9,980	4 450	7 439
Hants		42	10	147	21	133	40	322	363
Hereford	ľ	1 **	2	1 7			6	1 7	(ເສ
Hertford	156	119	154	137	180	167	690	422	1 912
Kent .			M	43	33	88	87	193	310
Lancaster	8,952	6.025	26.331	28 039	6 532	77 952	97 955	122 7	\$20 792
Leicester	0,30		310	429	710	1.094	2 043	1,528	8 371
Lincoln	1 1	í	Ť			1 3		6	17
Merloneth	2		30	1 17	43	28	75	50	125
M dillager		1 i	235	134	463	386	706	532	1 238
Monmouth	3	1 1	13	29	47	19	63	48	111
M ntgemery	89	1 12	233	193	252	65	592	~11	1 743
Norfolk	30	92	1 129	760	327	2,055	485	2 907	3 303
Northampton		1 10	7	1 19	34	10	45	47	/ 92
Northumberland		1 "	6	156	83	109	145	265	413
Nott gham.	່າຄື	154	207	674	321	1 079	627	1 903	2,530
Oxford	101		78	82	105	87	193	1 176	371
Rednor	i "		i i			1 1		1	4
Salon .	ី	1 45	1 355	117	337	209	359	471	1 030
Somerset	148	308	503	963	648	2 593	14/6	2 824	1 4 3/0
Somerici Staff d	119	303	321	1 809	78	13.5	1 282	2 467	3,000
Suffolk	55	107	42	906	lî.	185	109	498	005
Burrey		107	130	39	184	50	306	14	401
Warwick	33	32	131	1 861	339	657	4/3	909	2 402
Westmoreland,	~	37	88	105	246	293	411	5.0	597
Westmore/and.	53	17	7:0	634	1285	1 090	2 048	1 1 841	3 830
W reester	38 74	10	47	372	221	449	112	831	1 13
York	8 467	7 645	14 795	21 664	28.370	36,144	61 632	61.453	117 085
107%	0 107	1 645	\$4 195	21.001	49,310	04,144		{	
Toral	22 169	19 295	51 878	\$8,791	120 201	15- 708	297 248	257 794	435 026

SCOTCH FACTORIES

				C 0	тто	N			
COUNTIES		Thirteen of Age		Thirteen teen) cars		Eighteen of Age		Тотан	
	Males	Females	Malos	Femalor	Males	Females	Males	Females	Malos and Females
	number	number	nomber	numb r	number	number	number	pumber	number
Aberdeen	31	27	116	5+0	261	1 095	408	1 703	9,113
174	55	49	01	316	92	i 811	\$48	696	1 044
Bute			105	165	115	290	920	433	605
Cluckmannan Dombarton			113	157	146	344	270	505	178
Kirkcudbright	11	l á	24	101	35	50	61	124	185
Lopark	17	95	1365	4991	3701	10,500	5143	15 586	20,729
Lunh ' cow	10	6	18	28	28	24	50	40 46	114
Pechla	10	•	1 10						1
Penh	5	1 12	167	\$93	185	575	427	930	1 367
Re frew	114	89	895	1985	1353	3 371	1168	5.440	7 608
Stirling	1.1	18	42	114	80	975	120	407	533
TOTAL	379	366	3046	8661	4796	16 868	9221	25,895	35 116

SCOTCH FACTORIES--(continued)

	Í	WORSTED											
COUNTIES		birteen of A _k e	and Eight	Thirteen teen Years	Abbve I Years	Cighteen of Age		TOTAL					
	Males	Pemales	Males	Females	Males	Females	Males	Females	Males and Females				
Perth Repfrow	number	humber	number 4	number 8 49	number 1 57	number 1 28	number 1 61	namber 4 77	number 5 138				
TOTAL for Scotland				53	58	39	68	81	143				

SCOTCH FACTORIES-(continued)

		WOOLLEN									
COUNTIES	U der Thurteen Veate of Age		Between Thirteen and E ghtten Years of Age		Above Eightren Y sare of Age		TOTAL				
	Malus.	Females	Males	Pemales	Males	Fomales	Males	Pemales	Males and Pemales		
	number	bumber	nuaber	nu ober	numler	number	number	number	pumber		
Aberdeen	10	16	146	336	304	601	466	6.3	1319		
Asr	11	5	56	188	124	143	191	235	528		
Berw k	ſ	1	1 7	1. 13) 13	14	20	27	47		
Cick n ban		1	247	201	984	528	1233	786	2019		
Dia steri s		2		43	35	43	61	\$7	148		
Fiel rst	7	4	8	23	27	9	43	36	78		
ELW		1	4	10	30	6	34	16	50		
Fi			5	5	8	8	13	13	26		
F(1	1	5	2	6	3	9		
1 ern s	ſ	(1) 3 5	6	24	14	89	20	59		
Ki line		1	3		1	1	4	4	4		
K r			5	5	6	4	11	9	20		
K keuth iphr	1	3	7	8	31	8	19	19	38		
Lak	19	16	230	253	067	354	909	591	1490		
L to I the w	4	1	4			1			5		
PSIC	1 4		13	. 36	23	3	37	19	56		
P ett	1		30	34	93	21	192	59	181		
<u>k</u> i w	1		r (1 19	17	1.0	23		45		
R x argh	1 8	1	136	218	438	244	582	453	1035		
N Ikerk	22	11	199	123	575	249	740	353	1 1 1		
S: In	1	1	166	232	614	283	761	-105	1276		
W 61			7	3	20	3	27	6	38		
TOTAL for S otland	60	58	131	1754	4023	2410	5415	4122	J637		

		P L A X									
COUNTIES		Thirteen of Age		Thiricen icco Years Age	Above 1	Bighteen of Age		Τ οτ <i>ι</i> ε			
	Males	Females	Males	Females	Mater	Females	Males	Females	Males and Famales.		
	number	number	pumber	number	uumber	number	number	number	number		
Aberdeen	. 11	47	358	832	673	1 792	1081	2 67]	3 752		
Ayr	4] 14	46	\$3	138	278	188	1 375	363		
Edinburgh	18	15	37	177	74	119	193	911	334		
Pile	1	1 13	185	686	522	1754	711	8,453	3,164		
Forfar	75	196	1069	1959	1822	8 008	2763	6103	10 935		
Kincardine			8	11	10	52	13	63	75		
Lapark		1	120	316	167	322	307	636	943		
Perth	1	1 7	99	159	167	630	269	787	1047		
Renfrew	8	4	20	348	73	279	101	424	525		
Torat for Sectiond	109	296	1973	1253	3465	11 234	5547	15 783	21,330		

SCOTCH FACTOBIES - (continued)

SCOTCH FACTOBIES-(continued)

	1				8 I L B	:						
COUNTIES	Under T	Thirteen of Age	Between and Right of J	een Years		Sighteen of Age.		7 o 7 a 4				
	Males.	Females	Males	Females.	Malos	Females	Malea	Females	Mates and Females.			
Lanark Regirew	namber 16 2	namber 93 95	number 47 16	number 265 65	number 92 49	nuraber 271 136	aumber 154 67	2000 ber 569 327	number 793 394			
TOTAL for Soutland	17	69	63	230	141	407	\$21	796	1017			

SCOTLAND -All four Factories

	TOTAL OF ALL FACTORIES												
COUNTIES	Under Thirteen Years of Age		Between Thirteen and Eighteen Years of Age		Above Sighteen Years of Age		Тотац.						
	Males	Pomiles	Males.	Pemales.	Moles	Pemales,	Males.	Females.	F males.				
	number	nunber	numb r	number	number	number	number	number	aumber				
Aberdeen	66	50	660	1746	1 237	3 391	19.5	5,229	7 184				
Ayr	0	78	393	1 497	354	(,8t j	7\$7	1 100	2,133				
Burwick	1	1	1 7	13	13	14	20		47				
Bute	1	l	105	145	115	290	220	435	0.5				
Clackmansan	ł	;	247	264	986	528	1 233	785	\$ 019				
Dumberton	- 11	1 7	113	(57	110	344	270	508	778				
Dominies	J	1 2	23	48	34	43	61	47	148				
Edinburgh	19	19	45	100	101	1 124	163	247	412				
Figin	1		4	10	30		34	10	- 50				
File	(.t.	13	193	601	530	1769	794	2 466	\$ 190				
Forfar	72	196	1070	1,160	627	6,010	2 769	8,166	10 935				
Inverness	1	1	15	6	24	- 14	30	20	51				
hir cardine	1	1	6		11	52	4	63	80				
Kinross	1) 5	5	6	4 1	n,	9	20				
Kirkendbright	3	6	ા	40	46		80	143	\$23				
Lanark	104	144	1709	5781	4 647	11 417	6,513	17 372	23,845				
Linlithgow	10	(6	#2	28	39	- 24	61	5.0	119				
Puebles	2		13	16	22	3		19	50				
Perth	70	63	289	481	445	1 227	810	1780	2 590				
Renfrew	124	119	941	8,253	1 349	3 824	2,414	6 196	3,610				
Roab ugb	23	1.2	136	218	438	245	582	453	1 035				
Sil Kaa	1 1	11	193	114		338		383					
Wigton	(°		208 7	340	694 20	338	907 37	90%	1,809				
TOTAL	585	779	6395	1300	13.483	30 948	20 466	46,777	67 143				

				0		n n			
COUNTIES		Thirteen of Age	and Light	Thirteen teen) cars Age		Bighteen of Age		•	
	Males	Females.	Males	Females.	Males	Females	Males	Fentales.	Vales and Pumales.
	aunber	namper	number	num! er	number	number	number	number	number
Antrim			185	328	176	479	311	707	1018
Armagh	8	5	30	25	52	81	\$4	10	195
Down		E Contraction of the second se	150	151	169	329	819	480	799
Dublia		1	24	64	60	239	84	303	387
Kuldare			20	38 37	23	82	47	1 60	60L
Louth			23	\$7	34	71	67] 98	163
Meath				1			1	1	
Monaghan						l	·	I	
Queen & County Tipperary			1	12	9	19	10	ઢા	47
Typerary		1				1		1	1
Waterford		}	160	204	354	505	514	709	1,993
Wexford	3	6	13	12	26	36	41	1 3	95
Wicklow	•		36	12	51	69	77	80	137
TOTAL Cotton for						·			
Ireland	4	5 31	593	773	954	1.849	1.550	2,633	4 183
Total Cotton for							1000		
Scotland	379	365	3.046	8 551	5,796	16.869	9 221	25,895	35,116
Towas for Bagiand	10 733	6814	33,814	47 944	78,783	78,950	123,390	153 706	277 028
GRAND TOTAL	L1 105	7191	37 452	57 378	85,333	117 667	134 091	182,736	316,327
		In	SH FAC:	TOBIES	(contine	ued)		,	

IRISH FACTORIES

WORSTED Between Thirteen and Eighteen Years of Age Under Thirteen Years of Age. Above Eighteen Years of Age COUNTIES T Males and Females Malcz Fomales Moles Pemaler Males Females Males Females humber number number Si aber number number bumber. uumber 160 37 number Bug Dublin Queen s County 39 7 161 40 61 30 61 40 Total Worsted for Ireland Total Worsted for Scotland Tot L Worsted for England 81 40 69 91 101 137 238 4 52 58 29 62 143 81 3 4 5 3 3,884 4 452 10 767 7 238 92,013 15 133 36,664 51 797 GRAND TOTAL 3 453 3 584 10,865 7,366 32,133 15,295 36,882 4.477 \$2,178

IRISH FACTORIES-(continued)

	WOOLLEN													
COUNTIIS	I oder 1) cars	fhirteen of Ag	Between and Bigi of	Thirteen ocn Yearn Ago	Above 1 Lears	Sighteen of Age	TOTAL.							
	Males	Pemales.	Males	Femalus	Males	Females	Males	Females	Males and Females					
Cork	number	umper	11400b v 24	number 44	number 45	pumber 63	number 69	number 113	number					
D blin K litare	2	1 1		35	191	132	234	168	402					
Kilk ny Q (in a Coun y]	1	3	2	95 31	114	95	116	211					
Waterford	i L	1	6 5	15	70	43	(53 75	3 60	115					
TOTAL Woollen for 1 land TOTAL Woollen for	2	1	79	144	452	404	683	549	1,082					
Skel sd Tor t. Weell s fr	60	58	1 312	2 734	4 023	\$ 410	5 415	4,52	9,637					
England	4205	3068	10 021	8,233	23 135	12,401	37 965	24 727	62 687					
GRAND TOTAL	4285	312	12 915	10 151	97 610	16 215	43, 113	29 493	73,406					

				1	LAS	x				
COUNTIBS		Thirteen of Age	and Sich	Thirteen teen Years lge.		Bighteen of Age	TOTAL			
	Mules	Females	Maler	Females.	Males	Females	Males	Females	Males and Pomales.	
	number	namber	number	aumber	nomber	number	number	number	pumber	
Antrion	9	27	1390	2,101	1.676	4 143	295	6 27 1	9246	
Armagh	2	1	89	155	105	238	164	428	677	
Donegal			20	58	28	62	54	120	274	
Down	1		596	852	817	3 234	1363	_ 080	3 449	
Dobim	1	1	49	82	51	116	300	197	297	
Kildare		1	78	112	60	160	144	207	406	
Losdonderry Louth		1	4%	103	63 157	175	105	279	384	
Heath	}	1	141	222	157	400	45	622	175	
Monaghan	ł		25	107	50	1 153	78	960	338	
Tyrone		1	95	389	174	466	260	865	1 124	
TOTAL for Ireland	0	37	2453	4 735	3 128	7931	5,595	11 498	17 968	
Total for Sc Hand	100	296	1973	4 253	3 465	11234	5 47	15 (83	21 330	
Toras for Bogland	a 830	752	2385	4,517	3,837	7 513	7 058	12,783	19,840	
GRAND TOTAL	954	1 1075	6816	23'005	10,430	25,978	18,200	40 058	68,259	

IEISH FACTORIES-(continued)

IRRLAND -All four Factories.

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		TUTAL OF ALL FACTORIES											
COUNTIES		Thirtoen of Age.	and Eight	Thurteen teen Years Age		Bighteen of Age	TOTAL						
	Males.	Females	Males.	Females	Males,	Females	Males.	Pemales	Males and Pemales				
	number	number	aumber	number	namber	namber	number	number	unmber				
Antrim	9	27	1 525	2,329	1 7 5 9	4,629	3 386	6 978	10 264				
Armagh	3	5	89	180	157	339	248	514	772				
Cork		1	24	49	1	63	69	112	191				
Donegal			20	65	28	61	1 689	1.0	174				
Down		ł .	686	1 003	996	1 563	1089	2,564	4 248				
Dubhn	2	1 1	135	220 161	84.A 109	547	200	768	1 247				
Kildaro	ł		96		103	114	95	110	211				
Kilkeupy Landerderry			48	103	63	1,6	105	/79	384				
Longenderry	1	4	174	24)	191	40	365	790	1 085				
Menh	L .	1	1 11	54	31	74	45	128	173				
Monach n	1		38	107	50	153	78	260	335				
Queea & County	ł	1		10	80	80	84	139	213				
Topperary	(6		1 7	ĩ	í ü	3	16				
Ty on		1	95	349	374	466	269	855	1 1 124				
Waterford	1	1	105	1 219	424	550	589	769	1 358				
Wexf rd		6	18	12	26	36	41	54	95				
Wicklow	-	-	26	12	61	69	n	80	157				
TOTAL for Ire land TOTAL for Sort	15	39	9 150	5 198	4 614	9,578	7 779	14,813	89,501				
land	586	719	6,398	15,050	12,433	39,948	20,405	46,777	67 343				
Torat for Hug land	99 169	10,293	54 876	80,791	120,201	157,709	197 948	157 794	465 048				
GRAND TOTAL	\$2,709	20,113	61,425	101 039	138 298	198 231	225 433	319 383	544 8T6				

hors -1, considerable makers of factories biogets for present uncerfood or only presently at the factories biogets for a start of the depresent start of the dep

Factory Office April 16, 1847

		8 I L K												
TOTALS	Under Thirteen Years of Ago.		Retween Thirteen and Lighteen Years of Age		Above Eighteen Years of Age		TOTAL							
	Melus	Females	Males	Pemales	Males	Females	Males	Pomales	Wates and Pemales					
TOTAL for Ireland LOTAL for Scotland TOTAL for England	number none 17 2951	nutober Roud 59 4777	n mber nope 63 3603	tjumber pone 330 9310	namber name 141 7918	number uone 407 15 831	non 921 13 772	Dumber Bone 796 25 J18	Bitmber Done 1017 43 690					
GRAND TOTAL	2068	483G	3666	9640	7859	16 234	13,903	30,714	\$1 707					

TOTALS of all Factories in England, Scotland, and Ireland

OFFICIAL Values of all Bratsh and Irish Woven Manufactures Exported from the United Kingdom to all Countries during the following Years -

YBARS	Cotion Ma	Cotton	MAN	UFACTI	RES		TOTAL OF all	TOTAL OF all
IDANS	nufactores	Yarn	Weatlen	Linen	SUL	Wore Pabrics	Articles	froures
1016 1817 1817 1817 1810 1810 1810 1821 1821 1821 1821 1823 1823 1825 1845	2 3 16 10 10 10 10 10 10 10 10 10 10	1 800 486 1 J-3 437 1 426, 754 1 426, 754 1 426, 754 1 426, 754 1 426, 754 1 427 1 407, 754 1 407, 754 2 407, 764 2 400, 764 2 407, 764 2	5 456, 304 5, 16, 204 5, 16, 204 5, 16, 204 4 602 270 1 363 973 5 400 1/22 5 439 60 5 439 60 5 439 60 5 439 60 5 439 60 5 439 60 5 439 60 6 187 569 6 186, 700	1 59 367 1 49 367 1 49 3191 1 53 309 1 57 393 9 13 743 9 93 303 463 9 93 303 463 9 103 743 9	e e 161 \$74 167 \$50 167 \$50 168 \$50 169 \$10 160 \$10 160 \$10 160 \$15 160 \$15 160 \$15 160 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 150 \$15 160 \$16 170 \$11 130 \$15 14 \$100 14 \$100 14 \$100	2 0 03 01 02 03 02 00 00 00 00 00 00 00 00 00 00 00 00	9 751 305 9 750 314 8 153 155 155 8,073 173 350 8,773 350 8,773 350 7,755 350 8,773 350 8,775 350 8,7	5 4 714 600 3 J 713 467 41 964 535 2 745 649 41 964 535 42 745 649 43 664 54 43 666 54 43 666 54 43 666 54 44 667 54 45 667 54 567 547 547 547 547 547 547 547 547 547 54

BARS	Cotion	Cotton Yara	Woollens and Yaro	Lunen	Lanen Yarus	Silk	LOTAL OF Pour Pabrics	Tor 1 of other Articles	Tor Lall M sulac tures
816 917 818 820 821 822 822 822 822 824 825 826 827 828 836 837 838 838 838 838 836 837	£ 13 07 4,75 14 178,029 12,848 843 13 767,667 14 35 426 15 341 45 15 340 46 15 340 45 15 340 46 15 340 46 15 340 46 15 340 46 15 340 46 15 340 46 13 342 447 15 367 45 13 362 447 15 362 447 16 447 17 447 16 44	2 628 148 2 074 149 2,014 182 2,015 200 2,016 83 2,006 83 2,007 83	Y are 2. 7 163 472 5 7 163 472 5 8 143 103 7 8 143 103 7 6 143 103 7 6 143 103 7 6 143 103 7 6 143 103 7 6 148 503 7 6 148 503 7 6 148 503 7 6 149 50 7 8 149 7 8 149 7 9 11 30 4 9 1	\$ 143-67 1703,032 1949,816 1,959,816 1632,704 1,981,405 2,105,774 2,935,974,974,974,974,974,974,974,974,974,974	£ PP 011 F 11 P1 01 F 11 150,366 150,366 150,366 150,366 150,366 150,366 150,366 150,366 150,376 100,756 10	£ 480,552 409,163 409,163 409,175 374,114,114 374,114,114,114,114,114,114,114,114,114,1	Pabnes C 2 47 1249 20 62 667 818 20 621 667 818 20 621 667 818 20 621 667 818 20 621 667 818 20 627 469 21 161 676 21 161 676 21 161 676 21 21 20 21 21 20 21 21 20 21 21 20 21 20 20 21 20 20 21 20 20 21 20 20 21 20 20 21 20 20 21 20 20 21 20 20 21 20 20 21 20 20 21 20	Articles £ 16 178 669 394 13 549 394 14,272 121 11 854 667 14 421 353 10 32 29 11 854 67 11 854 667 11 854 667 11 957 527 11 957 527 11 957 527 11 557 527 15 377 52 15 377	tarts £ 11,0 85 41 41 512 40 137 19 34 881 21 35 330 105 35 330 105 36 330 105 36 330 105 36 330 105 36 330 105 36 330 38 36 330 38 37 397 301 37 350 38 39 301 413 39 30 459 39 30 459 41 2 8 556 41
839 840 841 843 843 844 845 846 846 846 849	17 092,182 17 567 310 14 223,517 13,007 884 16,254 000 18,816 764 19 150 006 17 726 960 17,582 293	0,858 193 7 101 308 7 206 968 7 71 464 7 196,971 6 9-8 384 9 96,3 225 7 882 048 6,987 207	6 694 965 5,780,810 6,301 028 6 822,518 7,533 211 9 163 053 8 760 C42 7 242 568 7 964 669	3 414,967 3 305,068 3,341 565 3,346 749 2,803 223 3 024,800 8 036,370 2,838,384 2,958,897	818,483 822,876 972 468 1 025 551 898,829 3,050 676 1,060,505 875 555 650,307	869 118 792 040 785 894 890 180 667 952 756,455 760,455 837,377 978 144	36 286 910 35,371 040 32,594 421 81 454 385 35,356 185 39 780,332	16 946 070 16,035 399 18,740 202 15 916 C18 16 923 223 18,803,960	68 233 480 51 406 420 81 634 523 47 161 023 52 279 709 58,584 292

TOTAL declared Value of all British and Irish Woven Manufactures Exported from the United Kingdom during the following Years

MINERALS OF INDIA

Metals --- The minerals of India have been scarcely explored Coal, no doubt. abounds in several parts, and what is called the great coal field, on each side the river Damoda, for sixty to seventy miles, and probably much more in length, and of an ascertained breadth of more than twelve miles, has been usefully worked, where three or four pits have been worked Coal and iron are found in conjunction in the Burdwar and Sylhet districts of Bengal, and very rich Nodular ore, yielding about twenty-five per cent pure metal, abounds in Bhaugulpore Formerly the mines in this district were extensively worked Coal has been found in Nerbudda Nitre constitutes an important article of export from Bengal Salt, which is a government monopoly, is produced at Cuttack and other places, chiefly in the west of India Diamonds are found in Bundelcund, &c Lead mines are numerous Copper mines are worked But such is the wretched state of mining, that metals are scarcely worth alluding to among the usefully-worked products of India India, in fact, receives the coal and iron used chiefly from Great Britain India, however, supplies the United Kingdom with the greater part of the saltpetre or nitre used. Chili and Peru supplying nearly all the remainder The quantity of saltpetre imported from British India* in 1845

See preceding Tables of Fxports from the United Kingdom for the various articles of metal, machinery, &c, exported to India. amounted to 307,703 barrels, from Peru, 134,098 barrels, from Chili, 38,745 barrels, all other places, 6075 barrels, total, 486,621 barrels Iron and hardware are extensively exported to India, and, considering the low prices at which all articles of metal ure now made in Great Britain, and the extraordinary increase in the quantity of iron produced in Great Britain, we cannot believe that industry can be profitably directed to mining or working the metals of British India, any more than to prosecute manufactures in India (See Commercial Tables, pages 148, ct seq, and Tables of Iron and Metals hereafter)

Agricultural Products are evidently those for which India must be for a long period adapted, and we introduced the foregoing tables to illustrate how extensive a demand the raw materials of India may find in the four great worse fabrics of the United Kingdom, viz, cotton wool, sheap's wool, silk, and flax, all which, with industry and careful preparation, may be profitably supplied from India We now pass on to such in a statement from the other principal articles of export, viz, sugar, indigo, opuin, &c

1 Sugar (Arabic, sukhu, J. Latin, saccharum, Sanscrit, saikara Spanish, azucai, J. Italian, zucchero, German, zucker, French, sucre) is distinguished by the several qualities of brown, or muscavado, clayed, refined, and candy

The first account we have of sugar 1s about 320 years before Christ, when it is mentioned by Throphrastus as honey extracted from reeds. Strabo says Nearchus found reeds in India yielding honey without bees Pliny describes it as a medicinal honey collected from canes. It was probably sugar candy obtained from China Europe owes its knowledge of sugar to the Moois, who cultivated the cane in Spain, as soon as they became established in that country It was rather extensively cultivated in Spain, and in the fifteenth century the cane was carned to and cultivated in Madeira and the Canary Islands, from which it is said to have been early transplanted to America The cane, however. was indigenous to the tropical countries of America, the natives, however, did uot know its use The first English sugar plantation was in Barbadoes in 1627. from whence sugar was exported in 1646, and thirty years afterwards 400 vessels, of about 150 tons, were employed in the Barbadoes trade, chiefly in exporting sugai No less than 65,000 tons annually were exported from St Domingo before 1790 The progressive consumption of sugar in the United Kingdom will be found in tabular forms hereafter In 1700, it did not exceed 10.000 tons . it was then consequently a rare article of luxury In 1754, it increased to about 54,000 tons In 1790, to about 80,000 tons Until 1820, the importation of sugar from India was trifling Since then the quantity (see Tables, pages 134, and hercafter) has increased rapidly It is evident that the soil and climate is eminently idapted for the cultivation of the cane

We shall, however, defer further remarks on the cultivation of sugar, until we class the whole under the one general head of the sugar producing countries of the world Coffee - Hundostan, Ceylon, Java, and other eastern countries are emmently adapted for the production of coffee. For imports and exports, &c, see General Tables hereafter

Indigo — In the history of cultivation we are not aware that any thing is more renarkable than the rapid growth of indigo in British India (See Tabuhar Statements, page 138)

Pepper --- See Tables of Exports, &c., pages 138, et seq., and Tables hereafter Rum.--- See Tables, page 138, and hereafter

Optum - This drug constitutes a government monopoly in India. (See Revenue Tables)

STATEMENT of the Opum Exported from Calcutta to Chuns, to the Ports in the Indian Archipelago, and 40 Europe, from 1795 to 1834

YBARS.	Chests to Claup.	Chesta to the Eastern I orte	Chests to the Western Ports	Toras Chests	YSARS	Chests to Chuna.	Chests to the Eastern Ports	Chesta to the Weatern Ports	TOTAL GDCMLR.
	number	number	manaber	number		anmber	Dumber	number	number
1795-96	1070	4203	10	5159	1815-16	2723	1120	5	3848
1796-97 I	2387	3247		5044	1816-17	3376	917	312	435
1797-98	1 65	1514	4	\$ 03	1817-18	2911	94	(i	3708
1799 - 99	1718	1624		3842	1818-19	3575	724	1 A	4293
1799-1600	1867	2650		3926	1819-20	1741	1345		3691
1600-1801	3124	1539	26	4788	162021	3091	1556	!)	5147
1801-2	1744	1723	f i	\$467	1821-23	1936	055		359)
1802-3	2033	1035		3068	1822-23	320**	803	4 1	4360
1803-4	2116	937	, ,	\$053	1823-24	3928	1290		5200
1804	1382	1025	10	\$358	18º4-25	5355	1710	i l	70/6
1805-0	2131	1526	ι ·	3657	1825-26	4627	536		8105
1800-7	2697	1 1777	6	4384	1826-27	5861	707	l í	6563
1807-8	308-1	1171	1	4253	1827-98	7541	563		7903
1804 9	3333	1416	f	4639	1828-29	4903	1651	1	6.04
1509-10	3074) 1172		4246	1829-30	7443	2235		9678
1810-11	3592	1317		4989	1830~31	5679	1	i	7069
1811-12	2769	1697	85 (4 13	1831-32	6815	ſ	1 1	7417
1812-13	3318	1001	1	4632	1872-33	7598		! 1	241/8
1813-14	37/3	1059	1	4275	1833-34	7608	1	(}	9518
1814-18	2959	859	5	3873	1	{	1	1 1	

The eastern ports include all those east between the Cape of Good Hope and Cape Horn), and the western, those west of the former on the Atlantic

YEARS		Number of Chesta Imported		ce per Cheat h Dollars	Saic Value o in Spans	f each Kind b Doilers.	Total N mber of	Torat. Value of	
1 6 4 6 5	l' tua and Benarca.	Moiwa	Patus and Benares	Malws	Potno and Benarce.	Majura	Chests Imported	in Spain h Doilars	
	number	Berniver	doll 75	dollars	dollars.	daliara.	numbers	dollars.	
18)0	2110	600	1.00	\$75	3.133 900	42 000	3 310	3 657 000	
1817	2530	110	1205	612	3 200 450	703 800	3.680	3,904 250	
1818	3030	1 530	3000	725	3 030 500	1 109 250	4,510	4 159 250	
1819	2,70	1 630	1235	11.5	3 65 950	1 915 450	4 600	5 63,000	
1820	3050	1 20	1000	1 15	5 795 000	2 605 N00	4 770	8,400 800	
1621	2110	1716	207,	1323	6 038 230	2 170 150	40.8	8,314 000	
18 2	18 2 1	4,000	1552	1290	2,825 930	5 100 000	4 822	7 569 930	
1623	2,10	4 172	1600	925	4 6,6,000	3 854 100	1082	8 515 100	
1844	2655	6,000	1 11/5 1	750	3 119.615	4 00 000	8 635	7.019 625	
1825	3112	0 179	l i3 (723	3 141,35	4 464 450	9 641	7 608,205	
1826	3051	6,308	3002	942	3,06* 365	5,111 520	9963	9 610,055	
2847	5131	4 101	.08	1204	5.195 155	3 209 /20	P 35	10 425 0 %5	
1818	0903	7 701	940	968	\$ 604 235	6,329 490	13 132	17,3,33,145	
1629	7*43	6,817	860	862	6 43 377	5,90 180	24 000	12,017 13	
1830	6460	11100	670	168	0,704 204	71110 0	14 60	12 904 63	
163(5,30	8 265	1 1		5 682 010	5818 74	11 225 .	11,510 584	
1833	8417	35 403	(1		6, 51 059	8 781 790	23 1176	15,382759	
1633	9434	13 735	1 1	1	60 9 534	110,971	21 / 0	14,000,605	

QUANTITY of Opum . annually Exported from Indua to China for Eighteen Years

The other stars of spinor shared from Chiefts in 1964 was (197 darms, and in 1963 30 field class 1) and a spinor of the spinor spinor (on Chiefts and the 197 darms and spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor spinor (spinor) and the spinor spinor (spinor) and the spinor spinor spinor (spinor) and the spinor spinor spinor (spinor) and the spinor spinor spinor (spinor) and the spinor sp

CULTIVATION AND SUPPLY OF RAW MATERIALS

QUANTITY of Malwa Opum Exported from Bombay and Damaun to Chuna, from 1821 to 1834

YBARS	Clests from Bombay	Chests from Damagn	TOTAL Amount of Chust	Average Bombay Rupees	YEARS	Chests from Bombay		Tovat Amount of Chests	Average Bombay Rupees
	number	number	number	number		number	number	number	number
1831	1000	678	\$278	2021	1628	2,520	3589	709	1766
1832	1600	2255	3855	2007	1938	3,502	4597	8 699	1666
1823	1500	1535	5535	1764	1830	3,7±0	9136	12 816	1 02
1824	1590	2013	6963	1288	1631	4 700	4(33	333	2430
1825	2500	1563	4463	971	1832	11000	3007	14,007	1250
1816	2,100	2603	5605	1877	1833	1		11715	
1897	2980	1524	4504	1383	1834	8,985	2693	11 678	1

QUANTITY and Value of Opium Exported from Calcutta

LOUNTRIES TO		1834-33				1835-	-36		1836-97			
W HICH BXPORTED	Opium (Behar)		Opiama (Benares)		Optum (Behar)		Opium (Benares)		Optem (Bultar)		Optum (Benarcs)	
Coast of Sumatra	chests	тарења.	chests	rapecs	chests	rupees 6 950		rapees 17,360		rupses	chests	rupres
Java Penang and East-	10	9,850	20	19,700	9 688	1 15,54 134	3 333	37 07 355	57	74 170	\$ 050	27 60 918
ward China	262	9,78.074 74 US 143	1 250	12,07,378		1 46 875 69 050	30		50	75 825		1 19,875
Pegas Maidive Islauds	2	1,870	925 1	24,963			58	71 105	8 184	12193493	2,309	31 17 923 2,410
TOTAI	7,767	70,97,987	3,283	31 67 632	9 86	1 17 76 009	4 040	55 25 971	8 291	1 23 42 985	4 443	60 01 198

QUANTITY and Value of Opum Exported from Calcutta-(continued)

COUNTRIES TO		1837	-38		1834 89					
W HICH BAPORTED	Opiut	n (Bèhar)	Opiam	(Benares)	Opiuu	a (Behar)	Opium (Benares)			
Penang & Bastward J va Chion J guo Matdi e I lands Cape of Good Hope	chests 75 20 11 907 13	rupecs 91 000 \$4 500 1,35,37 400 10 675	chests 2940 80 4135 86 1	rupres 28,06 435 57 459 45,37,817 84 305 61.	chests 276 55 11 167 6	rupeus 1,74,440 43 180 93,66,528 5,355	che ta 3 07 134 3,012 44	Filpees 91 91,805 96,670 24,97 390 25,030		
TOTAL	12 065	1 36,63,635	7 242	74 6 622	1 1524	97,89 503	6 697	48 10 695		

STATEMENT of the Quantity and Value of Opum from Calcutta during the following Years

COUNTRIES TO		1839-40				184041				184149			
EXPORTED	Opiu (Beu			Opium Benarce)		Opium (Rebar)		Opium (Benares)		(Bebar)		ium lares)	
Units d Kingdom	chests r	41 669 3 195	1	7apees 195 1 160	25		chests 20	rupee 17 800	chests 31	143 5	1	rapees	
C ylon Pn aug & Ea tword J = Man lla	8,207 33 20 1 535 3	2 530 9 5 2 5 9 9 1 2 5 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 469 30			40 59 233 600	5196 45	32,53 130 31 273		1 950 84 69 595	3938	27 99,544 34 425	
Chra I ue Maariuw	8 472 13 51		283 64		4 653	83,32 524 1 48 5	928 70	6 00 500 46 915	9 082	7 900 68 68 109 16 135 1 079	1670	34 425 12,03 697 81 040 630	
TOTAL	12,406 51	4,78,149	6,041	25,16 233	'	74 11 339	6265	39 53 620	13,965	1 03,80,025	\$774	41 16,096	

COUNTRIES TO WHICH	1834-36	1835-30	1836-87	1837-38	1828-39	1839 40	1840-41	1841-42
EXPORTED	Opium.	Opinm	Opium	Opiam	Opinm	Opings	Oplum	Opium
Ceylan	rapees	rupees 2,14 480	rapees	rupera	rupees	rapees	rupoce	rupees
Chins Penang and Eastward Goa	97,82 01 1 53 950	1,33,98 761	2 40 33 171 2 16 650	1 00 77 565 2,63 200	158 47 400	1 93,000 30 78 150	87,36 847 26,80,927	9 53 340
Cutch and Scinde Persian Galf Manilla				800	J040 141∜00		17,500	1 920 (71
TOTAL	99,35 965	1 36,13 241	242,49,821	1 18,41,565	1,59,00 200			1 12,78,820
Bengel Coost of Coromandel Malabar and Canara	3,150	5 508		760	8,560	2,325	4,000	670
TOTAL VALUE	99,38 115	136,18 741	2 42 49,823	11 12 42,325	1,59 98 760	42,98,875	1 14 39 224	1 12,79 490
Quantities			cheats 21,073	chests 10 627ģ	chosts 17 515	cbests 5,292 Ibs 70	cbests 15,763	chests J6 350

STATEMENT of the Value of Opum Exported from Bombay

Salt — The salt monopoly in India has been both unsound in principle and the cause of suffering on the part of those who required this most essential of all condiments But the very great reduction made during late years in the price of salt by the Company, renders the monopoly itself less burdensome than in France, Austria, and even in Prussia—still, the monopoly is, as such, highly objectionable, and ought to be abolished If revenue be absolutely necessary, let it be a duty of customs if imported, and of excuse when made in India But we would prefer that neither should be levied The following abstract of official Tables will serve to illustrate the profits of this monopoly —

STATEMENT of the Quantity of Salt Sold and cleared from the Government Golabs in Bergal, distinguishing that Imported and Sold by Government from the Government Manufacture, from 1855-36 to 1844-45, inclusive

YEARS	Said and Cleared	Imported and Sold	TOTAL.		
	bazar maonda.	bazar mannds	basar maunde		
1835-36	38 71 041	4 3 2 500	43 03,541		
836-37	36,10 619	449 900	40.50 649		
837-38	34 14,307	5 07 347	49 91 454		
835-39	35 96,167	10 61 000	47 58 827		
\$30-40	39 25 951	7.63 "36	47 00 179		
440-41	35 58 798	9 76,554	45 74 352		
1841 42 843 43 1843 44 844 46	years do not	disting ish salt count of govern government ma	alt 46 20 183 ealt 43 13,259		

11 R 2 2 3						Nett Revenue		Cı	stoms Collected	TOTAL			
	Amount realised by the Salo of Salt at Bengal.	Advances to Manufac- turors.	Cost of Salt pur chased	Charges of Barabil h ments and various Ft penses con nect d with the Provision and Sale of Salt	Total. Cost and Charges	Sal exclusive of layments to the Prench and Danish	to the F e ch and Danish Gov raments referred to	Nett Revenue at Bengal from the Sale of Salt	Customs Daty on Salt Imported into Bengal	Proportion of the Charges of Establish ment of the Collectorate of Calcutta, estim ted to attack to the Imports of Sait	Nett Customs Duty	Nett Berenuo at Bengal fr m Sale of Salt and Customs D tice on Salt	Amount
435-36 536-37 37-38 338-39 339-40 540-41 541-42 542-48 543-44 544-45	Co * Rs. 176,00 385 1,50,03 860 1 '3 03,859 2,11 90 3'3 1 83 02 180 1 92 36,577 1 92,51 092 1,57 76 421 1 55 76 421 1 55 76 421	Co 4 Rs 22,14,343 25 79 051 20 75,407 14 90 049 17 41 052 20 3,783 23 62, 52 22 54 653 24,04 525 20 4 846	Co + R* 0 10 935 6,54 945 3 61 626 2 49,301 1 92 881 1,46 410 8 40 207 6 19 191 10 13 551 5 15 404	Co 4 R 18 59 174 18 1353 18,43507 17 5, 013 16 22 854 17 55 C 0 18 95 378 13 94 1,0 18 07 210 19 13 8 11	Co s Rs 47 1,513 0 13 550 46 × 1 240 34 /s,403 33 %c ; 7 3.0 ×1 125 47 55 387 44 ; 3 634 3 15,646 50,83 111	Co R ₄ 1 29 35 882 00 70,310 1 24 26 610 1,80,93 970 1,-30 0398 1 52 55 442 1 44,94 05 1 44,10 059 1 31 10 745 1,3 79 934	Co • R4 4 3× 667 4 48 647 4 46 647 4 46 667 4 46 667 4 52 1 7 4 58 667 4 66 667 4 65 060 4 65 000 4 65 000	Cos Rs 1 21 97 215 95 23 644 1 19 81 943 1 70 47 303 1 48 52 726 1 47 96 715 1 47 26 03 1 3, 52 009 1 26 94 785 5 33 21 603	Cos Rs 011 468 11 63 827 10 30 040 6 44 598 13 34 451 17 18 388 18,45 110 26,51 540 26,80 355 17 14 888	Co s Rs 51 709 1 23 986 1 20 905 60,838 1 20 937 1 41 855 1,53,657 2 11 730 1,95 461 1 14 908	Co a R 8 59 69 10 29 640 9 67 44 5 63 760 12 06 414 10 71 527 16 91 462 24,39 810 26 74 894 25,39 980	Co s Rs 1 33 56 974 1 0 53 482 1 28 916 647 1 82 11 063 1 60,59 140 1 63 7 19 500 1 61,51,419 1 53 75 679 1 55,61 (73	£ 1 252 21: 989 36 1 208 59 1 707 26 1 505 54 1 505 54 1 534 52 1 473 70 1 417 98 1 441 84 1 48 63

YEARS			FRA	PRANCE CUAST OF COROMAN DEL and MALABAR		CEYLON &c		ARABIAN AND PERSIAN GULPS		MAURITIUS		TUTAL		
	Quantity	Value	Quantity	Yalue	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1835-36 1836-37 1837-38 1839-39 1839-40 1840-41 1841-42 1842-43 1843-44 1844-45	barser mds 1 025 10 062 3,40, 2 205 2 616 2 087 84 10 619 792	rupeer 4 100 42 763 14 485 9,371 11 116 8 879 347 41 2 631 8 216	bazar pada. 12 997 0 414 20 450 14 293 93 8 0 80 182 44 901 8,483	55 242 40 009 86,913 60,745 3 98 947 3,40 774 1 90,734 1 98,30 34 118	baser minds 2 63 372 3 05 054 1 7, 6957 72 439 3, 02 50 3 24 691 3, 02, 947 5 50 843 5 11 428 5 19 132	rupres 10 53 088 13 12 379 7 60 695 3 07 51 8,80 812 13 17 387 12 01 775 23,41,080 23 43 570 31 4,020	9 019 26 *23 34,550 12 591 41 197	Tupets 42,1% 1 1 720 1 48 113 96 012 1 42,915	bazar mds 20,360 34 575 1 03,705 1 20 694 2,68 353 2,31 764 1 86,499 2 12 704 3,42 560 4,03 728	ropee 83 240 1 42,634 4 40,744 5 12,930 8 85 540 9 93 499 7 92 621 9 03,003 14 5 880 16 90 231	9,398 8,103 2,748 13 1468 12,962 4,912 4,714	тороея 10 191 24 434, 11 679 55 6 249 55,069 20 8~7 20 142	baaar mds 2,84 857 3 64 930 3 17 120 2 07 520 4,38 649 5 74 248 6,12,391 8 91 531 9 67 011 J 79 640	rupres [1 39 428 15 08,027 13 47 761 8,81 960 18 54 343 24 40 345 6 02 662 37,89 030 41 09 400 40 42,642
1845-46 1845-47 • N B,-		year only t	en months h	ad expired	rope) and man Total manned up to the late: Total manned he importations	le st advices froi le	15 82 n Bengal viz 19 15	186 value 1st of Ma	not ascertain	able # 28th of F		7 No part	sculars of the	detail

DESCRIPTION	Nett Quaatity of Salt sold and adjusted	Cost thereaf pand to Malum get * m cluding Surraf &c	Forat in cluding all Cost and Charges of Salt Es table h- ments	lutin ounder		Nett Sale Proteeda, per 190 Matenda.	Nott Profit, and Sait sold and ad jasted	Profit per 100 Maunds
Hidgeltee Tumbook Twenty four Pergun nalis Including Jessore Chittagong	7034004# 19 03, 33 19 56,715 16,71 213 21 21 617	Co + Rs 8,43 616 5,95 288 19,96,739 13 01 008	Co e Ra 11 75 885 8 87 985 17 83,948 17 29 469	Co sRs Dec GI 767 78 419 106 745 81 409	74 84,301 43,70 239 70 63,492 80,94,736	422 655 409 792	63,12 506 35,41 242 52,79 514 69 65,757	381 856 315 910 328 323
Toral. Arrocan salt at Chitta- gong Madras permit salt at Sulkes	67 65 978 5,81 780 10 92,007	40 27 251 4 15 106 7 F6,807	55 20 290 4 23,414 8,38,348	81 685 79 622 76 753	2,76,25,839 21,74 130 42,35 348	405 841	2 20,99 049 17 50,722 83,96,560	826 634 829 289 310 777

STATEMENT, showing the ordinary Cost and Charges, &c, per 100 Maunds of Bengal Bali, from 1243 S S to 1250 S S, or Three Years, as per Adjustment for 1842--43, and Accounts for 1843--44 and 1841--45

STATEMENT, showing the ordinary Cost and Charges, &c., per 100 Maunds of Salt of the Cuttack Provinces, stored in the Golahs at Sulkea, from 1248 S S to 1250 S S., or Three Years, as per Adjustment for 1842-43, and Accounts for 1843-44 and 1844-45

DESCRIPTION	Nott Quantity sold and adjusted	Cost Shereaf paid to Molun gees, in cluding Surruff &c	Cost and Cost and	Total Cost and Charges per average 100 Maunde	Nett Sale	Nett Sale Proceeds per 160 Maunds	Nett Prafit on Salt sold and adjusted	Nett Profit on Suit Sold average Der 100 Manade
Cuttack sait at Sulkos Baissore sait at Suikos Koordab sait at Suikos ToraL.	maunds 7 13 429 5 44 539 2,33 089 14 91 187	Cn s Re 273,261 1 97 9 0 1 04 979 5 76,210	Co s Rs 7 10 235 4, 4 135 2,28,481 14 12,504	Co sRa Dec 99 549 87 061 98 009 94 743	Co s Ra 31 05 327 13,95 505 10,30 608 05,81,600	Co sRa, Dec 435 239 439 876 443 152 438 013	23,95 169 19 91 430 8,02 177	Co sRs, Dec 335 696 352 815 314 150 343 970

COMMERCIAL AND FINANCIAL LEGISLATION OF BRITISH INDIA

A LARGE revenue is certainly necessary to the existence and power of the East India Company within the regions now under their authority. But a eareful examination of the financial system of India will convince even its sup porters that it is not free from oppressive severity in character and plactice, and, in many respects, unsound in principle, both commercially and fiscally That it must be reformed is evident, and commercially several reforms have been made especially with regard to the abolition of the transit duties, and the diminution made in the price at which sail is now sold under its monopoly by the servants of the Company

We cannot under the present head enter into the mass of details in which the taxation of India is involved, and we can only suggest what appears to us indispensable with regard to increasing the quantity and value of our exportable products, and generally the commerce of India We would therefore recommend,--

First -One general system of internal taxation for all India

Second -The abolition of all monopolies

Third -- One general system of customs' duties, abolishing all export duties, except on optum, upon which an export duty may very fairly be levied to replace the revenue now derived from the monopoly

Fourth — In framing a tariff of import duties, that the duties should be imposed solely for revenue, and without reference to the origin of the article taxed, or to the ship in which imported, and that the commerce between one presidency or distinct of India and another should be as free as between one county in England and another

 $\Gamma_{if}th$ —That immediately and proportionately to this general system of finance, which ought to extend from the foot of the Himalaya Mountains to Cape Comorn, it is indispensable for the prosperity of India that the disorders and misrule which prevail in the territories of the Nizam and other native princes should be terminated, and that there is no possibility of good government, in these countries until the sovereignty is assumed by British authority upon equilably arranged agreements with those native princes

We have already given tabular statements of the revenue and expenditure of India. The following are obstracts of the existing customs' regulations, and the tariffs of the respective presidencies -

Ly Act No XIV of the Right Honourable the Governor General of India in Council, on the 30th of May 1846

I It is enacted, that from the 1st of June next, such parts of Regulations IX and λ 1810, Regulation $\lambda V = 182$, and of any other regulations of the Bengal presidency,

as prescribe the levy of transit or inland customs dutice or of town duties, and likewise the schedules of duties and provisions of any kind contained in these or any other regulations for fixing the amount of duty to be levied upon goods imported into or exported from the said presidency by sea, shall be repealed provided, however, that nothing herein contained shall be construct to prevent the levy of duties at the rates now in force at the custom houses and chickse established on the line of the Jamna, or on any fronter line upon goods crossing that line for importation export from the territory of the East India Company by land, nor to affect the regulations in force for imposing and levying duties on sail, the produce of Western and Central India

II That duties of customs shall be leved on goods imposted by sea into Calcutta, or into any other place within the provinces of Bengal and Orissa, according to the rates specified in Schedule A annexed to this act, and with the exceptions specified therein, and the said schedule, with the notes attached thereto, shall be taken to be a part of this act

III That duties of customs shall be levied upon country goods exported by sea from any port of Bengal or Ornsan, according to the rates especided in Schedule B annexed to this act, with the exceptions therein specified, and the said schedule, with the notes attached therein, shall also be taken to be a part of this act

IV That no goods or articles whatsoever, entered in either of the said schedules as inble to day, shall be exempted from the payment of such day or of may part thereof, except under special order from the Governor of Bengal, provided, however, that it shall and may be lawful for the collector of customs, or other officer m charge of a custom-house, to pass free of day, as heretolore, any baggage in actual use at his discrition, and in case of any person applying to have goods passed as such, the collector acting under the orders of the Board of Customs, Sait, and Opum, shall determme whether they be baggage in actual use, or goods subject to duty under the rules of this Act

V That the rules and regulations now established for the levy of duties of customs on goods imported into or exported from Calcutta and other ports of the Presidency of Fort William in Bengal, shall continue to be in force, and shall be observed and applied for the levy of the import and export duties imposed by this Act, unless repealed or altered, or represent to the provisions thereof

VI That it shall be lawful for the Governor of the Presidency of Fort William in Bengal, by an order printed in the Calcutta Gazette, to fix a place in any river or port in Bengal or Orissa, beyond which place it shall not be lawful for any inward bound vessel, save and except such dhoonies and country craft as are here referred to in Section XXII of this Act, to pass until the master or commander shall have delivered to the pilot on board, for the purpose of being forwarded by the public dawk or other wise, as may be ordered by the Board of Customs Salt, and Opium, a manifest made out in the form prescribed And it is hereby enacted that if the manifest so delivered by the master and commander shall not contain a full and true specification of all the goods imported in the vessel, the master or person in charge thereof shall be liable to a fine of 1000 rupees and any goods or packages that may be found on board in excess of the manifest so delivered, or differing in quality or kind, or in marks and numbers from the specification contained therein shall be liable to be seized and confiscated, or to be charged with such increased duties as may be determined by the Board of Customs, Salt, and Opium and if any inward bound vessel shall remain outside, or below the place so fixed by the Governor of Bengal, the master or commander shall in like manner deliver to the pilot, so soon as the vessel shall anchor, a manifest as above prescribed , and if any vessel entering a port for which there is a custom house established, shall lie at anchor therein for the space of twenty four hours, the master and commander whereof shall neglect to deriver the said manifest to the prot on board, he shall for such neglect be hable to forfeit the sum of 1000 rapees and no entry or port clearance shall be given for such yessel until the fine is paid

VII And it is hereby enacted that no vessel shall be allowed to break bulk until the manifest described in the preceding section of this Act, and another copy thereof to be presented at the time of applying for entry inwards, shall have been received by the collector of customs, and order shall have been given by the said collector for the divelarge of the cargo and the said collector may further refuse to give such order if he shall see fit, until any port cleanances, cockits, or other papers known to be granted at the places from which the vessel is stated to have come, shall likewise be delivered to him.

VIII And it is hereby enacted that it shall be competent to the collector of customs at any port of Bengal or Orissa at his discretion to send one or more officers of customs on board of any vessel at any time, and the custom-house officer so sent, shall remain on board of such vessel by day and by night, until the vessel shall leave the port or with it be otherwise ordered by the collector of customs

1% Any master or person in charge of such ressel who shall refuse to receive a custom-house officer on board when so deputed as above provided, or shall not afford such efficer suitable shelter and sleeping accommodation while on board, shall be liable to fine not exceeding the sum of 500 rupees for each d'y during which such officer shall not be received and provided with suitable shelter and accommodation

X Any master or person in charge of a vessel, who shall resist such officer, or refuse to allow the vessel to be searched when so ordered by the collector of customs, shall be hable, upon conviction for every such offence, to a fine of 1000 rupees, to be adjudged by any magistrate or justice of the peace of the place

Xi No goods shall be allowed to leave any vessel, or to be put on board thereof, until entry of the vessel shall have been duly made in the custom-house of the port After entry of the vessel at the custom house in due form, such part of the cargo as may not be intended and declared for re exportation in the same vessel, shall be sent to land, and export cargo shall be laden on board thereof, according to the rules and practice now in force, and if an attempt be made to land or put on board goods or merchandise in contravention thereof, the goods or merchandise shall be lable to serzure and confiscation

XII Goods unmanifested not to be landed in ordinary form, but to be seized on board Master to be answerable that all goods manifested are forthcoming and duly passed under penalty of 500 rupces for each missing package of unknown value, or double duty if assessable Rule for presenting an amended or supplemental manifest

XIII Custom-house officers taking unauthorised fees or bribes, subject to penalty of 500 rupees Same penalty on persons offering

XIV Collector to investigate, and adjudge confiscation Board's confirmation necessary

VV Twenty or thirty days allowed to clear inwards, according to tonnage, after which, the master to pay clarges of the custom house officer Master to land goods if consignees do not, if these fail, a collector may land and warehouse and may land packages before twenty days, without consent of master

 λVI Further period of hitteen or twenty days, for continuous lading for exportation If the vessel be laid up, tide-water to search and leave certifying that it is empty Twenty and thirty days, according to tomnage, allowed for lading a vessel outwards after being hid up, but search and certificate that nothing is on board necessary

 λ ViI When penalty has been incurred by a master, the collector may refuse port clearance of the vessel till it be paid

XVIII Goods shipped after port clearance to pay double duty, and five per cent if free

VIV In case of relanding for damage putting back in distress, &c, officer to proceed on board to watch, and cargo not to be exempt from duty on re-export, unless all the while in charge of custom house officers. Proviso for re importation when duttes and drwbacks are to be trivial and master to forfeit the value of drawback, goods not fortherming.

XX. No refund of CY and 1 f. after port clearance

XXI Vessels oward by the of Arabia, and coming from the ports thereof, and likewise the vessels of any continuer port of Asia, not subject to the dominion of the

ORIENTAL COMMERCE

King of the United Kingdom of Great Britain and Ireland, excepting dhoonies and small craft from the Maldive and Nicobar islands as herein under provided, shall be deemed foreign vessels

XXII Dinonnes, country craft, and other small vessels not brought into the port of Calcutta by pilots, shall be required to anchor and moor in such part of the River Hooghly as shall be marked out by the collector of customs, with the sanction of the Board of Customs Svit, and Opum, and if any such vessel shall anchor in any other part of the river than as so marked out, and the master or person in charge thereof shall not immediately upon being ordered so to do, more his vessel to the place marked out, he shall be liable to a fine of 100 rupes. Vessels of this description coming from the Maldives, or from the Nicolar Islands, shall be considered as Bittsh vessels

TABIFF, SCHEDULE A Rates of Duty to be charged on Goods imported by Sea into
any Port of the Presidency of Fort William in Bengal

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Number	ENUMERATION OF GOODS	When Imported on British Bottoms	When Imported on Foreign Bottoms
1	Bullion and coin	free	free
8	Precious stones and pearle	datto	ditto
а	Grain and pulse	ditto	ditto
4	Horses and other hving apimals	ditto	ditto
5	loe	ditto	ditto
6	Coal coke bricks chalk and stones	ditto	ditto.
?	Books printed in the United Kingdom or in any British pos-	} ditto.	a per cent.
8	Pareien books	3 per cent.	f per cent.
9	Marine stores, the produce or manufacture of the United Kingdom or of any British pessession	} 3 per cent.	6 per cent
10	Ditto ditto the produce or manufacture of any other place or country	} 6 per cent	19 per cont
н	Metals, wrought or unwrought the produce or manufacture of the United Kingdom or any British possession	3 per cent.	d per cent
38	Metals ditto ditto excepting un the produce or manufac- ture of any other place	6 per cent.	12 per cent
23	Tin the produce of any other place than the United King dom or any British possession	} 10 per cent.	20 per cent.
24 35	Woollens, the produce or manufacture of the United King dom or any Braush presession	} 2 per cent.	4 per cent.
10	Ditto the produce of any other place or country	4 percept.	S per cent
16	Catton and lik piece goods action twist and yare the pro duct of the United Augdom or of any British possession	} Bi per cent.	7 per cent.
17	Ditto the produce of any other piace	7 per cent	14 per cent.
18	Opum	24 supees per seer of 80 tolas.	A rupecs par sect of 50 tolas
19	Sait	3-4 rupees per maand of 80 toias per seer	3-4 ropees per maand of 50 tolas per seer
30	Alum	10 per cent	20 per cout.
21	Camphor	10 per cent	10 per cent.
23	Cas is	10 per cent	20 per cent
23	Gloves	10 per cont.	20 per cent
24	Coffee	7 per cent	1 per ceut.
25	Coral	10 per cent	10 per cent.
26	Nutmegs an I mace	10 per cent.	20 per cont.
27	Pepper	10 per cent.	20 per cent
25	Ratians	74 per cent.	15 per cent.
29 30	Tea	10 per cent.	20 per cent. 20 per cont
30	Verm hon Wines and linueurs	10 per cent	20 per cust
33	Spirits consolidated duty including that levied heretofore	10 per cent	id anuss per imperial
34	through the police of C louis And the daty on spirits shall be rateably hereased as the strength exceeds of London proof and when im ported in bother, is a part bother shall be deduce, could	gillon	gallon.
	to the imperial gallon	a 1 1	
83	All articles not included in the above commersion	3à per cont.	7 per cest

And when the duty is declared to be ad valorem it shall be levied on the market value without deduction, and if the collector of customs shall see reason to doubt whether the goods come from the country from which they are declared to come by the importer it shall be lawful for the collector of customs to call on the importer to furnah evidence as to the place of manufacture or production and if such evidence shall not satisfy the said collector of the truth of the declarativa, the goods shall be charged with

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the highest rate of duty, subject always to an appeal to the Board of Customs, Salt, and Opium

And upon the re-export by sea of goods imported, evcepting optim and sail, provided the re-export he made within two years of the date of impoit as per custom-house register, and the goods be identified to the sansfaction of the collector of customs, there shall be retained one-sighth of the amount of duty levied, and the remainder shall be repaid as drawback. And if goods be re-exported in the same ship without being landed (always excepting optim and sait, in regard to which the special rules in force shall continue to apply) there shall be no import duty levied thereas

TARIFF, SCHEDULE B --- Rates of Duty to be charged upon Goods Exported by Sea from any Port or Place in the Presidency of Fort William in Bengal

Number	SNUMERATION OF GOODS	Exported on British Bottome.	Exported on Foreign Bottoms
,	Sullion and com	free	free
3	Preciou ton s and pearls	ditta	ditto
3	Books pr ated in India	ditto	ditto
4	Rorses and living animals	ditto.	dista
5	Oppum purchased at Governm at sales in Calcutta	ditto	ditto.
ſ	Cotton wool exported to Europe the United States of Ame- rics or any British possession in America.	li anno l	6 source for mound of 80 tolas to the scor
	Ditto ditto exported to places other than above {	80 tolas per seer	16 snuss per maund e 80 tolas to the seer
8	Sugar and rum experied to the United Kingdom or to any B stub pose was a	5 1100	3 per cent
9	Ditto exported to any other place	3 per cent	6 per cent
10	Grain and pulse of all sorts	exceeding 2 maunds of 80 tolas to the secr or if exported oti erwise th a in bage 1 an anna per maund	of 80 tolas to th seer or if experts otherwise than i bags I shus pe maund
11	Indigo	3 rupers per maund of 80 talas to the seer	6 rapees per maund o 80 toiss to the seer
12	Lac dye and shell lac	+ per cent	8 per cent
13	Silk raw filature	80 tolas	7 annas per seer of 8 tolas
14	edk Bengal wound	3 annas per seer of 80 tolas	6 annas per seer of 8 tolse
15	Tobacco	4 annas per maund	6 annas per maund
16	All country articles not enumerated or named above	3 per cent	6 per cent.

And when the duty is declared to be *ad valorem*, the same shall be levied on the market value of the article at the place of export, without deduction

And us settling for the duties on exports by sea, credit shall be given for payment of inland customs duty, and drawback shall be allowed of any excess of duty pad upon production of ruwanas under the following conditions, until the list of April, 1837 —

1st That the goods shall be identified, and destination to the port of export proved he usual manner

⁹nd That the ruwants shall bear date before the 1st of April, 1836, and the goods shall not have been protected thereby, or by the original thereof, more than two years

And after the said 1st of April 1837, credit shall not be given, nor shall drawback be allowed of any mland customs or land frontuer duty paid at any custom-house or cochee of the Jumna frontuer inne, or of Bearse, sczept only upon the article of cotton wool covered by ruwanas taken out at the custom houses of the Western Provinces, and proved to have been destined for export by sea when passed out of those provinces

By Act No XXV, of the Right Honourable the Governor-General of India in Council, on the 31st of October, 1836, it is enacted that—

I Governments of presidencies are to declare warehousing ports

II Importers may then warehouse

III Making application in Form A, annexed Goods first to be assessed for customs' duty Warehouse-keeper to be answerable for weight or gauge of the customhouse, allowing for wastage

1V Mis-description of tale goods or packages to injury of revenue, punishable by fine of ten times the loss Error of overstatement may be rectified before, not after entry into warehouse.

V Packages to be marked and numbered before reception into warehouse

VI. When the duty exceeds 100 rupces, bond may be executed for it in Form B, and goods may then remain in warehouse for fifteen months without demand of duty Bond to be for twice the duty, and to bear interest from the date of demand The obliges to be bound for all duties and charges claimable on the goods, and for all penalities

VII. But collector to have power to proceed against the goods or under the bond, at his option, and to detain goods and sell after ten days, if the demand be not paid Proceeds of sale to be written off on the bond, and surplus paid over to the owner of the goods No transfer to bar this process

VIII After fifteen months, the board may renew the bond for other fifteen months

IX Goods relanded from a vessel put back, may be warehoused without bond, and re-shipped under the previous settlement of duties Exception unless the goods should be liable to duty on being passed through the custom-house for importation

X Reserved duty on re-export to be chargeable on removal of goods for shipment and bonds to be cancelled on payment thereof

XI 'On removal otherwise than for re-export, or if not cleared in time, full import duty to be leviced, with interest and charges, and collector may cause goods to be sold in satisfaction, if not paid in ten days

XII Removal of goods to be noted in the bond, with particulars

XIII And the same particulars to be registered in the register of bonds When registry shows all the bonded goods to have been cleared out, bond to be cancelled, and returned to the obligee

XIV The custom house godowns and other government godowns to be public warehouses These to be under the collector's or warehouse-keeper s key

XV Board to determine what goods are to be receivable into public warehouse, and the terms and rates of warehouse rent or hire Table of rates to be exposed conspicuously

XVI Owners to have access to their warehoused goods, attended by a custom house officer, during business hours

XVII Expenses of carrage, packing, &c, are to be borne by the owners, and to be realised as customs duice Bill for rent to be sent in monthly, and if not paid in ten days, goods may be sold in satisfaction Collector not answerable for loss by hre or other socident, nor for damage

XVIII Wastage to be allowed as per table

Description of Goods.	Rate of Wastage	Description of Goods	fate of Wastage
	per cent		per cent
Alkali	5	Lac lake stick and seed	- 3
Alums	3	Long pepper and long pepper root	(S
cApige	1 3	Oils essential and fragrant	8
Comander	1 3	Resin or dammer	72
Aromatic steds Cummin	8	b go	4
Aromatic sceds Calizerab	3	Sugar	4
Cardamums	8	Saltpetre	4
Jowain	1 3	Soap	1 3
Beetlenut	1 71	Silk	1 5
Brimatone	3	Cloves	1 6
Camphor	2	Cipnamon	2
Loff :	5	Spices Cassia	3
Coppe as r green vitrial	5	Spices Mace	3
Catton wool	3	Pepper	1 6
Dry ginger	10	Properto, or allapice	1 2
Gums and drags not otherwise specified	3	Tobacco unprepared.	5
ron wrought bars	1 3	Turpentine	6
Indico	L 8	Tutenague	
Kutch or terra japonica	រ៍ និ	1 • •	

TABLE of Wastage to be allowed upon Goods when applied to be removed either from Public or Private Licensed Warehouses

Wines and spirits in cusks-a deducing for ullage of 10 per cent shall be allowed at the tune of being received into warehouses

XIX Board may license any private warehouses License to be revocable at pleasure, unless otherwise stipulated

XX Applications for license for private warehouse to be in Form C, with particulars filled up

XXI Collector or warehouse-keeper to have access to all licensed warehouses for himself and bis officers. Proprietors refusing admittance, subject to penalty of 1000 rupees, and withdrawal of license. Bonds for duty to be put in suit seven days after notice of such penalty or of withdrawal of license.

XXII If goods be found deficient beyond the wastage allowance, at time of delivery from warehouse, owner to forfert ten times the duty on the deficiency, if found excessive, ten times the duty to be prud on the excess, and goods to be detauted till paid

XXIII Collector of customs may issue warrant for breaking packages, to search and examine goods When repacked, to be sealed, and seal not be rebroken without sanction of board, except under application from proprietor then to be resealed

 λ XIV Goods to be stamped on reception into or delivery from watehouse. The stamp not to be removed or effaced without sanction of collector, under penalty of 500 rupees on conviction before a magistrate but owners may be allowed by the collector to take samples.

XVV Goods not to be removed from warehouse without being passed through the custom-hous-

XXVI If a package be broken, duty to be levied on all the goods contained therein

X VII Applications to remove goods to be made in Form D, and twenty-four hours notice to be given of removal

XXVIII Goods may be removed from one werehouse to another, application being made in Form E

XXIX No duty to be levied on goods destroyed by file or other accident, and if damaged duty to be levied on the damaged value

 $\lambda \dot{X} \lambda$ Penalties under this Act to be adjudged by the collector of customs, subject to continuation by the Board or other superior authority of customs

A -- Form of Application for the Reception of Goods Imported by Sca in Warehouses

To the Collector of Sea Customs at Calcutta

Sır.

Please to order the reception into the Government (or private warehouse of Mr A B, situate at , and hereased by No. , dated

), of the undermentioned goods, being of the growth or manufacture of

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(place to be stated), and arrived from (port or place to be mentioned) on the (British or other) ship whereof is commander, the duty upon which goods has been adjusted in the manner hereafter specified

Marks and Number of Packages.	Description of Packages and Goods.	Goatenta of Goads,	Bate of Value of the Goods	Amount Value of the Goods as ascertained and entered on the landing of the sause	Rate of Duty both of Customs and Town Duty	Date and Number of Importation	Specification of the Particulars of Bonds if the Duty upon the Goods has been Bonded
Total							

(Date) (signed) (By the owner, agent, or consignee of the goods.)

B -Form of Bond for Import Duties

now of Calcutta. Know all men by these presents, that we at Fort William, in the province of Bengal, in the East Indies, and of the same place, are jointly and severally held, and firmly bound unto the East India Company in the sum of rupees to be paid to the said East India Company, or their certain attorney, agent, successors or assigns, for which payment well and truly to be made, we jointly and severally bind ourselves and each of us, and our respective heirs, executors, administrators, and representatives, by these presents sealed with our respecyear of Christ tive seals, dated the day of in the for themselves, and each of them and their and the said respective heirs and representatives, covenant and agree, that in case of dispute touching the matter of this obligation, or the condition thereof, the same may be heard and determined in the Supreme Court of Judicature at

Whereas, the above bounden hath (or have) applied to the collector of sea customs of the said East India Company at son to, lodge in a certain public (or liceased) godown, for a period of fifteen months, subject to the rules or regulations of Government, the following goods that is to say (here a large blank should belf for describing the goods), being of the growth or manufacture of and unported by sea from on baard the and entered in the custom-bouse books, as NO

of the register of goods imported by sea.

Now the condition of this obligation is such, that if the above bounden

(the principal) bis of their heirs, executors, administrators, representatives, or assigns, shall in all things well and truly observe and keep all and singular the rules prescribed in $Act No \ X \setminus V \ of 1836$; to be observed and kept by the owners, inportanission or consignees of goods bonded and warehoused, and by the persons obtaining perturbision to bond and warehouse goods under the provisions thereof a and if the said

(the principal) hs (or their, if more than one) herrs, executors, administrators, representatives or assigns, do and shall well and truly pay, or cause to be paul to the collector of customs for the time being for the port, all such dues, whether of customs or of inwfit sharges, as shall be due or demandable upon the said goods, or on account of penalities incurred in respect to them at or before the expiration of such further time as the Board of Customs shall allow in that behalf, together with interest thereon at the rate of per cent per annum from the date of demand thereof being made by the said collector of customs in writing and further, if the said goods after being so warehoused, or any part thereoi shall not within the term so fixed, or to be callaged, be removed from the said public (or licensed) warehouse at any time within the said term, either for importation or for exportation by sea, then, and in a such cases, if the fuil amount of all such duties, charges, and penalities as may be payable or demandable as softesaid, shall have been finit paid as satisfied on the whole quantity

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of the said goods then this obligation to be void and of no effect, otherwise, and on breach or failure in the prif manace of the said several condutions, or any of them, the same to be in full force and virtue Scaled and delinered, XC

C -- Form of Application to obtain License for Private Warehouses

To the Collector of Customs at Calcutta

Sir,

Sc.

Picase to submit to the Board of Customs (or other controlling authority of customs) my request to be furnished with a licease under Act No XNV of 1836 for a warehouse situate at and about the distance of vards from the custom-house the dimensions and other particulars of the godown are stated below, and the same is intended for the increption of all goods as a gameral storehouse (or as the case may be) the period of licease not to exceed (mension the time for which period)

Length, feet, inches (Dry airy, well flued and puckah built	
Breadth, ditto ditto can contain with perfect safety and con-	
Height ditto (venience, about tons of goods	
The same being my own property (or the property of from who	m I
have engaged the same on a lease of)	
(Signed) (By the Applicant)

D-Form of Application for Removal of Goods from U archouses

To the Collector of Government Customs

Please to order to be passed from the (Government or private) warehouse of Messrs A and Co suitate at (and licensed under Act No XXV of 1836, by No dated) the undermentioned goods intended for exportation by sea on the British ship captain bound to or for internal consumption or to be consigned to (any staticum in the internor, as the case may be) the same having been entered in the books of your office for the said warehouse, under No dated by (me or by Messrs B & Co, whose certificate of the transfer of the goods is herewith anexced)

Marks and numbers of cases	Four cases of (name of good)
Βάιο	I cale hox, bal or parc 1 c. otaining
(Name of the goods)	(here is sert the quantity in each case)
No. 1 to 4.	1 ditto
n x √	1 d tto
Stated	1 ditto
"Warehoused for expertation	Four (cases boxes bales, or parcels) con
	tamine (total co tents to be here stated)

(Signed)

(Either by the owner, agent, or consiguee of the goods)

E-Form of Application for the Removal of Goods from one Warehouse to another during the Period for which the Indulgence of Warehousing may have been obtained

To the Collector of Government Customs at Calcutta

Sir,

Please to permit the removal of the under mentioned goods from the (government or other liccused) warehouse, to (the warehouse into which the removal is intended to be made, must here, be distinctly described) for the unexpired period of warehousing due

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on the goods, the same having been originally entered by virtue of Act No XXV of 1830, in the books, of the warehouse department under No , dated for fifteen months (or such othen period as may have been allowed, to be here stated) under all the obligations and condutions at present attached to the goods

Marks and Numbers of Packages	Description of Packages and af Goods	Contents of Packages	Rain of Value of Goods.	Amount of Value of Goods as entered in Custom bouse Books	Rate of Duty chargeable or paid open the Couds	Name of the Persons by whom go ds first passed into Warehouses	
\$							

Note — If the goods to be removed shall have been sold or transferred by the original proprietor or agent, a certificato of such sale or transfer shall accompany the application. (Signed) (By the owner, agent, or

(consignee of the goods

By Act No XXXII of 1836, passed by the Right Honourable the Governor-General of Indua in Council on the 28th of November, 1836

It is enacted, that if any person after the lst day of December 1836, lands or attempts to land in any part of the territories subject to the government of the Presidency of Fort Willam in Bengal, any sugar which is not the growth of a British possession into which foreign sugar cannot be legally imported, such sugar shall be seared and confiscated by the collector of customs, or by any other officer thereunto authorised by the governor of the said presidency, unless the district in which such sugar is landed, or in which an attempt has been made to land such sugar, be adistrict in which the Governorgeneral of India in council has authorised the importation of such sugar

By Act No XIV of the Right Honourable the Governor-General of India in Council, on the 12th of June, 1837

It is enacted, that whenever any foreign state in Asia or Africa shall permit within the dominions of such state, the importation or exportation of goods in British vessels on the same terms on which it permits the importation or exportation of goods in vessels belonging to the subjects of such foreign state, it shall be lawful for the Governorgeneral of India in courcel, by an order in connicil, to direct that goods may be imported into the territories of the East India Company or exported thence in vessels belonging to the subjects of such foreign state, on the same terms on which such goods are imported into the said territories, or exported thence in Einsth vessels

By Act No XVI of the Right Honourable Governor-General of India in Council, on the 3rd of July, 1837

It is enacted, that when the customs duties fixed to be levied upon goods exported by seas from any port of Bengal to Cinsas shall be ad undorem, the value of such goods shall be declared by the exporter in the manner presenbed for goods imported into Calcutta by sea, and the provisions shall apply to goods intended to be exported by sea in like manner as for imported goods, and the value so to be declared by the exporter, shall neclude the packages or materials in which the goods may be contained, and it shall be lawful for the goovernor of the Presidency of Fort William in Beegal, from time to time, by noise in the official "Gazette," to fix a value for any succe itable to ad *culorem* duty, and that the value so fixed by the goormor of the said presidency shall, till altered by a similar noice, be taken to be the value of such article for the purpose of levying duty on the same. No payment shall be made of drawback upon any goads exported from any port of Bengal or Orssa, unless the export be made within two years from the date of the import in the custom house registers, nor unless the claim to receive such drawback be made at the time of exportation, nor unless the amount due thereupon be demanded within one year from the date of entry for shipment in the custom-house registers

The Board of Customs, Salt, and Opum, shall have power to far and from time to time to alter the rates of wharlage and godown reat charges, and to determine the time for which goods shall be allowed to remain on the wharls or in the godowns of the custom house, free of charge, while the goods are being passed for import or export by eea

It shall be lawful for the collector of customs, whenever he shall see fit, to require that goods brought by sea and stowed in bulk, shall be weighed on board ship before being sent to land, and to levy duty according to the result of such weighing

By Act No I of the Honourable the President of the Council of India in Council, on the 3rd of January, 1838

I It is enacted, that from the lat of February, 1838, all Regulations of the Bombay Code passed before the year 1827 and now in force, with the exception of Sections I, II and III, Regulation VI, 1799, and of elause 2, Section VII Regulation IX, 1800, and of Sections XIV, XVII, XX, XXI, and XXV, Regulation 7, of 1805, and of the whole of Regulations II. 1810. and VI I Bilds shall be reneaded

of 1805, and of the whole of Regulations II, 1810, and VI, 1814, shall be repeated II And it is enacted, that Chapters I, II, IV, VI, VII, and IX, of Regulation XX, 1827, of the said Code, together with the Appendices A, B C, E, II, I, K, of that Regulation, also Regulation II, 1831, Regulation XIII, 1831 Regulation I 1832, Regulation VI, 1833, and Regulation VI, 1834, of the said Code and all such parts of any Regulations of the said Code as prescribe the levy of transit or miand customy dutes, or as require the payment of any fie whatever on account of any vessel which may enter any port in the territories subject to the Bombay Presidency, and likewas the provisions of any kindi contained in those or in any other Regulations for fixing the amount of duty to be levied on goods imported or exported by sea at any place within the limits of the Bombay Presidency, or the drawback provable on the sime small be repealed, and it is further enacted, that Act NO H of 1836 shall likewas he repealed, except in so far as it repeals any Regulation of the Bombay Code

Bombay Code III Provided always, that nothing contained in the two preceding sections of this Act shall be construct to prevent the levy of any town duit, or of any municipal tax, or of any toll on any bridge, road canal, or causeway, for repair and maintenance of the same, or of any fee to the erection and maintenance of lighthouses

IV That duttes of customs shall be leved on goods imposed by sea into any place in the territories subordinate to the government of the Presidence of Bombay, after the said 1st of February next, according to the rates specified in Schedule A, annexed to this Act, and with the exceptions specified therein, and the said Schedule, with the notes attached therein, shall be taken to be a part of this Act

V That duties of customs shall be level upon country goods exported by sea from any ports of the Bombay Presidency after the said 1st of rebruary next, according to the rates specified in Schedule B annexed to this Act, with the exceptions therean specified and the sud Schedule with the notes attached thereto, shall also be taken to be a part of this Act

VI That the ships of any Duropean nation having firman privileges in the port of Surat shall not be subject to further duties of import or export than may be pre-cribed by their firmans respectively, any thing in the Schedules or in this Act notwithstinding

VII That daties of customs shall be levied on goods passing by land into or out of forcign Luropean settlements, situated on the line of coast within the limits of the

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Presidency of Bombay, at the rates prescribed in the schedules of this Act for goods imported or exported on foreign bottoms at any British port in that presidency

VIII That it shall be lawful for the governor in council of the Presidency of Bombay to declare, by notice to be published in the Gazette of that presidency, that the territory of any native chief, not subject to the jurisdiction of the courts and civil authorities of that presidency, shall be deemed to be foreign territory, and to declare goods passing into or out of such territory liable either to the duty fixed for British or for foreign bottoms, as the said governor in council may think fit

IX That for the levy of duries of customs as above provided on goods exported be land to, or imported by land from such foreign terminories, eastoms' chokess may by established at such places as may be determined by the said governor in council, and every officer at every such chokes shall have power to detain goods passing into or out of my such foreign territory, and to examine and ascertain the quantities and kinds thereof, and such goods shall not be allowed to pass across the frontier line out of or shall produce and deliver a certificate showing that the customs' duty leviable thereupon has been paid in full

X. That it shall be lawful for the said governor in council to appoint such officers as he may think fit, to receive money on a scount of castons' duties, and grant certificates of the payment thereof, and that such a certificate being delivered to any chokee officer shall entitle goods to cross the frontier into or out of the East India Company is territories, provided that the goods correspond in description with the specification thereof contained in such certificate, and that the certificate show the entire amount of duty levable on those goods to have been duty paid

XI That the sold governor in council shall give public notice in the official Gazette of the Presidency of Bombay, of the appointment of every officer appointed to receive customs duties on goods crossing the land frontier of the said foreign territories.

XII That no certificate shall be received at any chokee that shall bear date more than thirty days before the data when the goods arrive at the chokee

XIII 'That it shall be lawful for the said governor in council to prescribe, by public notice in the official Gazetie of the Presidency of Bondbay, by what routes goods shall be allowed to pass into or out of any such foreign territory, as is described in Sectiona VII and VIII of this Act, and after such notice shall be given, goods which may be brought to any chokee established on other routes or passes than those so prescribed, shall, if provided with a certificate, be sent back, and if not provided with a certificate shill be detained, and shall be liable to confiscation by the collector of customs, unless the person in charge thereof shall be able to satisfy the said collector that bis carrying them by that route was from ignorance or accident

XIV That goods which may be passed, or which an attempt may be made to pass across any frontier guarded by chokees between sunset and sunrise, or in a clandestime manner, shall be seused and confiscated

XV That any chokee officer who shall permit goods to pass across the fronter when not covered by a sufficient certificate, or who shall permit goods to pass by any prohibited route, shall be liable to imprisonment for a term not exceeding six months, and to a fine not exceeding 500 rupees, if not paid, to imprisonment for a further period of six months

XVII All goods imported by sea into any port of the Presidency of Bombay from any foreign European actilement in India, or from any native state the inland trade of which has been declared by the governor in council of the Presidency of Bombay, ander Section VIII of this regulation to be subject to the duties levied on foreign bottoms, shall be liable to the same duties as are imposed by Schedule A on imports on foreign bottoms

XVIII No goods whatgever entered in either of the Schedules of this Act as liable to duty shall be exempted from the payment of such duty, or of any part thereof, except under special order from the governor in council of the Presidency of Bombay Provided always, that it shall and may be lawful for the collector of customs, or other officer in charge of a custom house, to pass free of duty any baggage in actual use at his discretion and if any person shall apply to have goods passed as such baggage, the collector acting under the orders of the government, shall determine whether they be baggage in victual use or goods subject to duty under the provisions of this Act

XIX When goods are imported at any port of the Bombay Presidency from any other port in that presidency under certificate that the export duty specified in Schedule B has been duly paid thereon, or that there has been a re export, and that the import duty specified in Schedule A has been duly paid, the said goods shall be admitted to free entry

XX When dutues of customs shall have been paid on any goods at any port in any part of the territories of the East Iudia Company not subject to the Presidency of Bombay and when such goods shall subsequently be imported at any port of the Presidency of Bombay, credit shall be given at such last mentioned port for the sum that may be proved by the production of due certificates to have been so paid

XXI It shall be havful for the governor in council of the Presidency of Bombay, from time to time, by notice in the official Gazette of that presidency, to fix a value for any article or number of articles liable to *ad enformal* duty and the value so fixed for such articles shall, til altered by a similar notice, be taken to be the value of such articles for the purpose of levying duty on the same

XXII When goods hable to duty, for which a value has not been fixed by such a notice as is above directed, or for which a fixed duty has not been declared by the Schedules annexed to this Act, are brought to any costom house in the Presidency of Bombry for the purpose of being passed for importation or exportation, the duty levable on such goods shall be level and *valorem*, this to asy, according to the market value of such goods at the place and time of importation or exportation, as the case may be

XXIII The market value for assessment of duties on ad valorem goods shall be declared by the owner, consignee, or exporter, or by the agent or factor for any of these respectively, upon the face of the application to be given in by him in writing for the passing of the goods through the custom-house, and the value so declared shall include the packages or materials in which the goods are contained and the application shall truly set forth the name of the ship in which the goods have been imported or are to be exported the name of the master of the said ship, the colours under which the said ship sails, the namber, description marks, and contents of the packages, and the country in which the goods were produced XXIV Levry such declaration, when duly signed, shall be submitted to the officer

XVIV Levery such declaration, when duly signed, shall be submitted to the officier of customs appointed to appriates goods at the custom house, and if it shall appear to him that the same is correct, he shall countersign it as admitted, but if any part or the whole of the goods shall seem to him to be undervalued in such declaration, he shall report the same to the collector of customs, who shall have power to take the goods or any part thereof as purchased for the government at the price so declared, and whenever the collector customs shalls on take goods for the government, parument thereof shall be made to the consignee or importer, if the goods be imported goods, within fifteen days from the date of the declaration the amount of import duity levable thereon being first deducted, and if the goods be intended for exportation, the entire value as declared shall be paid without deduction on account of customs daty

 $\lambda\lambda V$ It shall be harful for the givernor in council of the Presidency of Bombay to declare by public notice in the official Gazette of that presidency, what places within the same shall be ports for the landing and shipment of merchanise, and any goods that may be haded or which an attempt may be made to land, at any other port than such as shift he so declined shall be seized and confiscated

 ΛMI When any vessel shall arrive in any port of the Presidency of Bombay, the master hall driver a true manifest of the eargo on board, made out according to the form mexed to this Act and marked C

XVVII If the manifest so delivered by the master shall not contain a full and true specification of all the goods imported in the vessel the said master shall be liable to a fine of 1000 rupees and any goods or packages that may be found on board in access of the manifests of delivered, or differing in quality or kind, or in marks and numbers, from the speculcation contained therein, shall be liable to be seried by any customs officer and confiscated, or to be charged with such increased dutics as may be determined by the collector of customs under the orders of government

XXVIII If any inward-bound ressel shall remain outside or below the place that may be fixed by the said governor in council for the first delivery of manifests, the master shall deliver a manifest as hereinbefore prescribed to the first person duly empowered to receive such manifest that may come on board, and if any vessel entering a port for which there is a custom-house established, shall he at anclor therean for the space of twenty-four hours, the master whereof shall refuse to deliver the said manifest in the maner above prescribed, he shall for such refuse the label to a fine not exceeding 1000 rupees and no entry or port clearance shall be given for such vessel until the fine is paid.

XXIX No vessel shall be allowed to break bulk until a manifest as required by this act, and another copy thereof to be presented at the time of applying for entry inwards, if so required by the collector of customs, shall have been received by the said collector, nor until order shall have been given by the said collector for the discharge of the cargo.

XXX No goods shall be allowed to leave any vessel, or to be put on board thereof until entry of the vessel shall have been duly made in the custom-house of the port, and until order shall have been given for the discharge of the cargo thereof as above provided

XXXI If goods entered in the manifest of a vessel shall not be found on board that vessel, or if the quantuty found be short and the deficiency be not duly accounted for, or if goods sent out of the vessel be not landed at the custom-house, or at such other place as the collector of customs shall have presenbed, the master shall be liable to a penalty not exceeding 500 rupees for every missing or deficient package of unknown value, and for twice the amount of duty chargeable on the goods deficient, and unaccounted for, if the duty can be ascertained provided, however, that nothing herein contained shall be construed to preven the collector of customs from permitting, at his discretion, the master of any vessel to amend obvious errors, or to supply omissions from accident or indivertence, by fursibiling an amended or supplemental manifest

XXXII There shall in every port of the Bombay presidency be one or more places appointed for the landing and shipmen, of goods and goods shall not be landed at any other place without the special order in writing of the collector of customs for the port

XXXIII If the governor m councel shall see δt_i , for the security of customs at any port, to maintain special establishments of boats for the landing and shipping of merchandise, or to license and regreter the cargo-boats plying in any ports, then after due notification thereof, it shall not be lawful for any person to convey goods to ar from any rescal in auch port, otherwise than in the boats so authorised and prescribed, except under special permit from the collector of customs at the port, and any goods that may be found on board of other boats than those so anthorsed for the port, shall be lable to be seried by any officer of customs, and shall be liable to confiscation

XXXIV When the governor in council of the Presidency of Bombay shall see fit to maintain at any port an establishment of officers to be sent on band of vessels to watch their unlading and lading then, after due notification shall have been given that such establishment is so maintained at any port, the collector of customs at that port shall have power at his discretion to send one or more officers of such stablishment to remain an board of any vessel in such port by night and by day, until the vessel shall leave the port or it shall be otherwise ordered by the collector

² XXV Any matter of such vessel at such port who shall refuse to receive such officer with one servant on board or shall not afford such officer and such servant suitable shelter and sleeping accommodation while on board, and likewise furnish them with a due allowance of fresh water, if necessary, and with the means of cooking on board, shall be hable to a fine not exceeding the sum of 100 tupees for each day during which such officer and servant shall not be received and provided with suitable shelter and accommodation

XXXVI Whenever a collector of customs shall see cause to duect that any vessel

shall be verthed he shall assue his warrant or written order for such search, addressed to any officer under his authority, and any master or person in charge of γ vessel, who shall resist such officer or refuse to allow the vessel to be searched when so ordered by the collector of customs, shall be hable upon conviction for every such offence to a fine of 1000 rupes. Concealed goods to be confiscated

XXXVII Every master of a vessel who shall remove from such vessel or put on board thereof any goods, or cause or suffer any goods to be removed from thence or put on board thereof between summe and sunset, or when the custom house is closed for busness without leave in writing obtained from the collector of custors, shall be fixed not exceeding 500 rupees

XXVVII No cargo boat laden with goods intended for exportation by sea shift make fast to on he alonggathe of any reseal on board of which there shall be a customs' officer stationed, unless there shall be on board the boat or have been received by the said customs' officer, a custom-house permit or order for the shipment of the goods and the goods on board of any boat that so be solongside or be made fast to a vessel, if such goods be not covered by a custom house pass accompanying them, or previously received by the customs' officer on board, the said vessel shall be inable to confuscation

XXXIX There shall be ent with each boat load or other separate despatch a boatnote, specifying the number of packages and the marks and numbers, or other description thereof

XL. When goods shall be brought to be passed through the custom-house, if the packages in which the same may be contained shall be found not to correspond with the description of them, the whole of the goods contained therein shall be hable to confiscation

XLI If any person, after goods have been landed, and before they have been passed through the custom house, removes or attempts to remove them with the intention of defrauding the revenue, the goods shall be hable to confiscation

XLH It shall be lawful for the collector of customs whenever he shall see fit, to require that goods brought by sea and stowed in bulk shall be weighed or measured on board ship before being sent to land, and to levy duty according to the result of such weighing or measurement

XLIII On application by the exporter of any sait that has paid the excise duty fixed by act No XXVII of 1837, a certificate shall be granted by the collector of customs at the place of export under authority of which certificate the quantity of sait specified therein shall be landed at any other port of the said Presidency of Bombay, and shall be passed from such port into the interior without the levy of any farther duty either of excise or of customs

VLIV Twenty days, exclusive of Sundays and holidays shill be allowed for the discharge of the import cargo of vessels not exceeding 600 tons' burden, and linity days exclusive of Sundays and holidays, for the discharge of the import cargo of vessels exceeding that burden

 $\mathbf{X} \mathbf{L}^{\nabla}$ When there shall be no custom? officer sent aboard vessels discharging cargo, taball be haveful for the collector of outsoms to far a period not being less than twenty days to the discharge thereof and elearance of the vessel inwards and if any goods remain on board after the time so fixed, or after the time allowed in the last preceding section of this act, the collector may order the same to be landed and warehoused for the security of the dutes alargeable thereon, and of any frugit and primage and other demands that may be due thereon giving his recept to the in size of the same provided always that in all cases it shall be lawful for the collector or other officer in charge of the evolution where and to be deposited in the government warehouses for the security of the dutes and charges thereon, all custom with the constart of the masse of the vessel, to cause any packages to be brought on whore and to be deposited in the government warehouses for the security of the dutes and charges thereos, although twenty days may not have expired from the entry of such vessel , and in case any goods brought to land from any vessel be and charges of the custom house within the construction the date of entry of the ship in which such goods were imported, it shall be competent to sell the same on account of the dates and other ges thereos.

and the balance remaining after deducting the said duties and charges shall be held in deposit, and paid to the owner on application

XLVI When a customs officer shall be sent on board of any vessel discharging cargo, a further period of fifteen days, Sundays and holidays excluded, beyond the twenty days above specified shall be allowed for putting on board export cargo if the vessel shall not exceed 600 tons burden, and twenty days if it exceed that burden

XLVII When upon application from the master of any vessel the customs othere shall be temoved from on board thereof, if the master of such vessel shall, hefore a customs' officer have again been placed in such vessel, put on board of such vessel or cause or suffer to be put on board of such vessel, any goods whatever such master shall be punsited with a fine not exceeding 1000 rupees and the goods shall be liable to be relanded for examination at the expense of the shuppers, upon requisition to that effect from the collector of customs

XLVIII Upon any goods liable to duty that may be passed through the customhouse for shupment, the application for which shall be presented after port clearance shall have been taken out, double of the prescribed duties shall in all cases be levied, and if the goods be free, or have already paid import duty, or have been imported free under certificate, fare per cent upon the market value shall be levied thereon, or if the same to morted goods entitled to drawback, the drawback shall be forfeited, but no separate duty shall be levied on drawback goods

XLIX When a vessel having cleared out from any port shall put back from stress of weather, or it shall for any damage or from other cause, be necessary that the eargo of a vessel that has cleared out shall be unshipped or relanded, a customs officer shall be sent to take charge of the cargo during such relanding or removal from on board

L When goods shall be relanded before the lading of any vessel is complete, and before port clearance has been granted, the daty lered upon such goods shall be relurned to the exporter, but no refund shall be made of duty paid on the export of any goods after port-clearance shall have been granted for the vessel on which the goods were exported, unless the vessel shall have put back for stress of weather, or for damage, and the goods shall have been relanded

Ll It shall be lawful for the said governor in council to establish rules for the anchoring of the coasting and country craft of the British territories, for the delivery of manifests of the cargo of such ressels, and for the landing of goods therefrom, and shipping of goods therein

LIT Paitamars, dhouses, botellos, and other small craft from the Maldive or Laccadive Islands, or from the nature ports of Kattywar Cutch, and Sende shall be treated in the ports of the Bombay Presidency like the coasting craft of the British terntory, provided that they coulorm to such special regulations as to the place of anchoring and mode of landing and shipping goods as may be made by the governor an a council of Bombay for such vessels in the several ports of the Bombay Presidency

LIII No drawback shall be allowed on goods shipped on such hative craft as are described in the last preceding section of this Act

LIV Goods exported in the same vessels, if manifested for re-export, shall not be subject to import or export duty, and if any goods brought to any port in any vessel be transhipped in such port, they shall in all cases be subject to the same duty as if they had been landed and passed through the custom house for re-exportation in the vessel into which they may be transhipped

LV No transhipment shall be made of any goods except under special order in writing from the collector of customs of the port

LVI Levery port subordinate to the Bombay Presidency, the port of Bombay excepted, an anchorage fee shall be levered once at each port according to the burden on all country craft above the burden of (100) one hundred maunds, at the rates bereiaunder specified

	Fce,
	Rupees
Above 10 candies (equal to 100 maunds), not exceeding 20 candies (200 Indian maund	a) [10
20 40	18
40 60	20
60 80	28
80 100	30
100 1.0	38
150 200	40
200 250	48
250 300	50
800 850	58
350 , 400 and upwards	60

LVII In all cases in which under this Act goods are hable to confiscation, the collector of customs of the place where those goods may be shall be competent to adjudge such confiscation

LVIII If any person un charge of a vessel shall have become liable to any fine on account of any act or omniston relating to customs, the collector of customs shall be competent, subject to the orders of the governor in council of the Presidency of Bombay, to refuse port clearance to such vessel until the fine shall be discharged

LLX It shall be lawful for any collector of customs, or other officer who may be authorsed to adjudcate custome cases, if be shall decide that a secure of goods made under the authors of this Act was vexations and unnecessary, to adjudge damages to be paid to the proprietor by the customs officer who made such vexations sezare, besides ordering the immediate release of the goods and if the proprietor accept such damages, no action shall thereafter he sganat the officer of customs in any court of justice on account of such secure and if such adjudicating officer shall decide that the sensure was warranted, but shall deem the penalty of confiscation as unduly severe, it shall be invial for him to mitigate the same to the extent of the lawy of double duty; and if the said officer shall adjudge confiscation, it shall further be lawful for him to order that form the proceeds of the sale of the goods, a proportion not exceeding one half shall be distributed in rewards amongst such officers as he shall deen entitled thereto, and in such propertion as he may direct to each respectively

LX 'All officers of customs shall, as heretofore be ameaable to the civil courts of the Presidency or Island of Bombay, by action for damages on account of any executive acts done in then official capacity, at the suit of the partues nigured by such acts provided however, that no suit shall he against a collector of customs or other officer for any judicial award in a matter of customs passed under the preceding section of this Act

LXI Whoever intentionally obstructs any officer in the exercise of any powers given by this Act to such officer, shall be purished with imprisonment for a term not exceeding six months or fine not exceeding 1000 rupees, or both

LXII Whoever, being an officer appointed under the authority of this Act, shall accept or obtain, or attempt to obtain from any person any property as a consideration for doing or forbearing to do any official act, shall be purished with imprisonment for a term not exceeding two years or hae, or both

LMII Wheever, being an officer appointed under the authority of this Act practises or altempts to practise any firaid for the purpose of injuring the customs' revenue, or alvets or conviews at any such firaid, or at any attempt to practise any such firaid, shall be punshed with imprisonment for a term not exceeding two years, or fine or both

LVIV It shall be lawful for the governor in council of Bombay, by an order an council to transfer any of the powers given to a collector of customs by this Act to any other functionary and to make any rules consistent with law for the carrying of this Act ratio effect and to establish such bunders and appoint such officers as he shall think fit, null to fix rates of wharfage and of tent to be paid for goods deposited or suffered to line in the goodwas of the custom house

OBJENTAL COMMERCE

CUSTOMS' T	ARIFF, SCHEDULE					orted by
	Sea into an	y Port of the	Presidency	of Bomba	y ^	•

Number .	RNUMERATION OF GOODS	When Imported on British Bottoms	When Imported on Foreign Bottoms.
1	Bullion and coin	free	free
2	Precious atomes and pearls	dutto	ditto
3	Grain and pulse	ditto.	ditto
4	Horses and other living onimals	ditto	ditto
5	Ice	ditto	ditto
6	Coal coke bricks chalk stones (marble and wrought stones excepted)	15	ditto
7	Book printed in the United Kingdom or in any British pos-	ditto	3 per cent
8	Foreign books	3 per cent	6 per cent.
9	Marine stores the produce or manufacture of the United Kingdom or of any British possessi n	S operceut	6 per cent
30	Marine stores the produce or manufacture of any other pisce or country	} 6 per cent.	12 par cent
н	Metals wrought or unwrought the produce or manufacture of the United Kingdom or any British possession	} 3 per cent.	6 per cent
19	Metals wrought or unwrought, excepting tip the produce or manufacture of any other place	} üper cont.	13 per cent
13	Tin the produce of any other place than the United King dom or suy British possession	} 10 per cent.	20 per cent.
14	Woollens the produce or manufacture of the United King- dom or sny Brit sh possession	} 2 per cent.	f per cent.
15	Woollens the produce of any other place or country	4 per cent.	8 per cent
16	Cottan wool not covered by certificate of the payment of	9 anas per maund	t rupes 2 annas per
	export duty at any other port of Bombay	of 80 tolas to the secr	maund of 80 toles to the seer
17	Cotton and sifk piece grouds cotton twost and yorn the pro- duce of the United Kingdom or of any British posses sion	35 per cent	7 per cent
18 29	Cotton and silk piece goods the produce of any other place Opium covered by a pass	7 per cent. free	14 per cant free
20	Opium not covered by a pass	24 ropees per seer of 80 tolss	60 tolas.
21	Salt, not covered by 6 pass	8 annas per maund of	8 annas per maund o
-		80 tolas per seer	80 tolas per seer
22	Alum	10 per cent.	20 per cent
23	Camphor	10 per cent	20 per cent
24	Cateia	10 per cent	20 per ceut.
25	Clo es	to per cent	20 per cent
26	Coffee	74 per cent,	15 per cent
97	Coral	10 per cent	20 per cent
28	Nutmers and mace	10 per cent	0 per cent
29	cpp.r	10 per cent	20 per cent
30	Rattans	71 per cont.	13 per ceat
31	Tea	10 percent.	20 per cont
312	Vermilion	19 per cent	20 per cont.
33	Wines an I liquenes	10 per cept.	20 per cent
34	Spirits consolidated duty including any duties levied here tofore through the police	9 annus per imperial gallon	l rupeê per imperia galion
	And the duty on spirits shall be rateably increased as the strength exceeds London proof and when imported in bottles five quort bottles shall be desmed equal to the imperial gallon		
	Tobacco	1 rupes 6 annas per maund of 60 toles perseer	1 rupes 8 autoas pe mound of 80 tole per secr
	Which day hall be the missions catass day livide on revolucion all the proparations thereof in all the ports of the Bonkay Press tensy but if at the release of parts on the start value a lighter day light and the start of the start start and the start any proparation of toknoc, the day hall be is teld at valorem at the start met if isoparties on Rithik Looms and at 10 per cereion for foring bottom. And the enclose the people day listed an hist work of the starting the people day listed an hist work of the list is the people day listed an hist work of the list is the the bland of Bonkay which special day shall be is read at the created of projects of the day listed and the read of projects of the day listed and hist.	-	
36	All articles not included in the above exampleation	3d per cept	7 per cent

And if the collector of customs shall see reason to doubt whether the goods inside to a different rate of duty according to the place of their production, come from the country from which they are declared to come by the importer, it shall be lawful for the collector of customs to call on the importer to furnish evidence as to the place of manu facture or production and if such evidence shall not satisf the said collector of the

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truth of the declaration, the goods shall be charged with the highest rate of duty, subject always to an appeal to the governor in council at Bombay

And upon the re export by sea of goods imported, excepting opnim and sait, and all goods of the growth, production or manufacture of the continent of India, provided the re-export be made within two sears of the date of import as per custom house register, and the goods be identified to the satisfaction of the collector of customs, there shall be retained one eighth of the amount of daty is used, and the remainder shall be repaid as diawback.

But no exporter of imported goods shall be entitled to drawback unless the drawback be claimed at the tune of re export, nor shall any pryment be made of drawback unless the amount claimed be demanded within one year from the date of entry of the goods for re-export in the custom house registers

TARIFF, SCHEDULE B -- Rates of Duty to be charged on Goods Exported by Sea, from any Port or Place in the Presidency of Bombay

Number	ENUMERATION OF GOODS		Exported on British Bottoms	Experted on Foreign Bottoms
1	Bullion and coin		free	free
2	P ectous stones an i pearls		ditto	ditto
3	Books maps and dr wings printed in India		ditto	ditto
4	Horses and liv up animal		datio	ditto
5	Opium covered by a pass		ditto	ditro
6	Opium not covered by a pass		Prohibited	Probabiled
7	Cotton wool exported to Europe the United States of nes or any British pose ssion in America	/me-	} free {	9 annas per maund of 80 tolas to the scer
8	Cotton wool exports t to places other than above	{	9 annas per maond { of 80 tolas per seer {	i fupce J annas per maund of 80 toins to the seer
9	Salt, baving paid the excise of 8 annas a maund		free	free.
10	Febacco	- {	1 rupee 8 anuss per manual of 80 tolas to	maund of 80 tolas
11	All country articles not enumerated or named above	•	the seer 3 per cent	6 per cent

And upon the re export to Europe, the United States of America or to any British possession in America, or from any other port in the Bombay Presidency, of cotton that has been imported under certificate of the payment of the duty specified in this Schedule, provided that the re-export be made in British bottoms, within two yerrs from the date of such certificate, and the amount be claumed within one year from the date of reexpoit as per custom house registers, the whole amount of export duty levied at the first pince of export shall be refunded

FORM OF MANIFEST, SCHEDULE C

MANIFEST of Goods Imported per Commander, from Colours, viz —

under

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 $N\;B$ —Articles generally to be specified, excepting such as ironmongery, hardware, glassware, earthenware, cutlery, perfumery, confectionery, stationery, and such like

All articles from Great Britain to be entered according to the English weight, not native From China, in like manner in China weights

In imports and exports of bullion or coin, to specify the sort of which they consist.

By Act No XIX the Honourable the President of the Council of India in Council, on the 27th of August, 1838

I. It is enacted, that from the 1st day of November, 1838, sections XX and XXI, Regulation XX of 1827, of the Bombay Code be repealed

If From the said 1st day of November, 1835, the following rules shall be in force with respect to vessels belonging to any of Her Majesty s subjects reading within the Presidency of Bombay, and employed on the cossis of the territories subject to the government of Bombay, or in trading coastwase, as also with respect to fishing vessels and harbour craft belonging to any of the same her Majesty s subjects

III Every such vessel employed as aforesaid, fishing vessel and harbour craft, shall be marked or branded with the name of the place to which she belongs, and also with a number assigned for the same, by the officer authorsed to make such registry as is heremafter menuoned, and the owner or owners of such vessel employed as aforesaid, fishing vessel and harbour craft, shall cause such name and number to be ganted in black paint, upon a white ground on each quarter of such vessel employed as aforesaid, fishing vessels and harbour craft, m English figures and letters, each figure and letter being six niches in length

IV The name and number of every such vessel employed as aforesaid fishing-vessel and harbour craft, and her burden, and also the name or names of the owner or owners thereof, shall be registered in a book to be kept for that purpose, by the person directed to make such registry

The owner or owners of such vessels employed as aforesaid (fishing vessels and harbour craft being excepted), on being registered as aforesaid, shall pay -

For each certificate of registry for a vessel not exceeding 20 Bombay can- dies burden the fee of For each certificate for a vessel exceeding 20 such candles' burden, and	1 Rupee
not exceeding 100 candies burden For each certificate for a vessel exceeding 100 such candies purden and	5,
not exceeding 400 candles burden And for each certificate for a vessel of 100 tons, or greater burden per ton	7 " 2 Annas

By Act No XIII of the Honourable the Prendent of the Council of Indua in Council, on the 20th of May, 1839

I it is enacted, that the several charges of the port and roadstead of Madras, levred under the heads of anchorage duty, highhouse duty, regular boat-bire and report catamaran hire, shall, from and after the 1st day of August next, be consolidated and commuted into a port duty, to be levred at the rate of three annas per ton upon every vessel not being a vessel saning under the colours of a foreign European or American nation, of which the toonage shall not exceed 700 tons by measurement, made in the meaner prescribed by Act 5 & 6 Will 1V c 1st, and if the vessel exceed 700 tons by measurement so made, the port duty shall be leviced as upon that toonage

II Upon every vessel sailing under the colours of a foreign European or American nation that may anchor in the port of Madras, there shall be levied a consolidited port duty at the rate of three annas as pie per ton, according to measurement made in the manner above preserviced

III I fary vessels, Butush, nature, or foreign, anchoring in the port of Madras, shall not break bulk therein, and shall not remain four complete days from the time of dropping anchor, there shall be levied upon such vessels reduced duties as follows, that is to say, two fifths of the tonnage duty prescribed above shall be levied upon every vessel whele without breaking bulk shall, after anchoing thereins, sail again out of the port within forty-eight hours and seven-tenths upon every vessel which without breaking bulk shall stay more than forty-eight hours and less than four complete days

IV All powers and authorities, penalties, and other means whereby the payment of any of the charges of the port and roadstead of Madras may have been legally enforced before the passing of this Act, shall be applicable to the enforcing of the consolidated and commuted port dutes imposed by virtue of this act

V It shull be largeful for the government of Iodia to order the consolidation and commutation of any port or harbour duties, as levied in any subordinate port of any presidency into a ionnage duty, which shall be leviable at the rate and in the manner specified in the next following section of this Act, upon the vessels anchoring in and trading with such port

 \dot{V} When the Governor general of Indu: an council shall direct the port duties to be commuted and consolidated at any port of the Madres Presidency other than that of Madras, or any subordinate port of any other presidency, the total amount levied at such port shall not exceed one anna per ton for Britsh and nature vessels not exceeding 700 tors, and upon vessels exceeding that measurement at the rate for 700 tons, and upon foreign European and American vessels, at the rate of no example. The proprious above provided for the port of Madras, if they leave such port without breaking bub before completing four endays from the time of anchoring therein

VII The consolidated and commuted port duties above presented, when ordered to be leved in any port by the Governor-general of India nn councit, shall be leved by the officer appointed by the government of the presidency within which the port is situate, to give port clearances or other customary documents to vessels suiling from such port, that is to sav, by the master attendant or by the collector of customs at such port, as may be ordered by such government, and if such duties be not paid upon demand, it shall be competent to such other to withhold from the vessel on account of which payment may be refused any port clearance or other customary document required to be possessed by shaps leaving such port unit the same shall be paid

VIII All the powers and authorities, penalties, and other means by which any port or harboar duty of any subordinate port of any presidency which shall be consolidated and commuted by virtue of this Act, may have been legally enforced before the consolidation and commutation thureof as hereinbefore provided shall be applicable to the enforcing of the consolidated and commuted duties at such port, imposed by virtue of this Act

By Act No XV of the Honourable the Presedent of the Council of India in Council, on the 10th of June, 1839

It is enacted, that if any person, on or after the day on which this Act will come into operation as betermatic provided, hads, or aitempts to land in any pair of the territories subject to the government of the pre-indency of Fort St. George any foreign sugar, or any sugar which is the growth of any British possession into which foreign sugar can be geally imported, such sugar shall be seized and confiscated by the collector of the customs, or by any other officer thereunto authorized by the governor in council of the presiduery fronted always that sugar which is the growth of any part of the presiduery of Fort William in Bengal into which foreign sugar may be legally imported, are prohibited from being landed, may, during such prohibition, be landed in the said territories as heretofore

Bu Act No VI, the Right Honourable the Governor General of India in Council, on the 7th of June, 1541

It is enacted that if any person after the passing of this act, lands or attempts to land, or shall introduce by land in any part of the territories subject to the 4×2

government of the Presidency of Tort William in Bergal, any rum or rum shrub which is the produce of any foreign country, or of any Brinsh possession into which foreign sugar or rum can be legally imported, such rum or rum shrub shall be seized by the collector of the customs, or by any other officer authorised to serie and detain contraband goods, and shall be brought to confiscation according to the rules in force for confiscating such goods, unless the distinct in which such rum or rum shrub is landed or in which an attempt has been made to land such rum or rum shrub, be a distinct in which the Governor-general of India in council has authorised the importation of such rum or rum shrub, and it shall be lawfil for the Governor-general of India in council to authorise the importation of such rum and rum shrub into any district of the territones aforesaid by an order in the official Gazette

By Act No X of the Right Honourable the Governor-General of India in Council, on the 5th of July, 1841

An Act for prescribing the rules to be observed, in order that ships or vessels belonging to ports within the territories under the government of the East India Company, or belonging to narve princes or states, or their subjects, may become entitled to the privileges of British ships under a proclamation of the Governor-general of India in council, made in pursuance of the statute 3 and 4 Victoria, c 56

I Whereas, by a statute passed in the third and fourth years of her Majesty Queen Victoria, intituled, "An Act to regulate the Trade of Ships built and trading within the hmits of the East India Company's Charter," it is enacted, " that it shall be lawful for the Governor general of India in council, by proclamation, to declare that all ships or vessels built or to be built within the limits of the charter of the East India Company, being owned by her Majesty's subjects for whom the said Governor general in council has power to legislate and belonging, under the regulations hereinafter provided for, to any ports in the territories under the government of the said company, shall be deemed to be British ships for all the purposes of trade within the said limits, including the Cape of Good Hope and the territories and dependencies thereof, provided that upon such declaration being made, the said Governor-general in council shall, and the said Governorgeneral in council is hereby accordingly empowered to make regulations, to be enforced by suitable penalties, concerning the registering, licensing, and ascertaining the admeasurement of the tonuage and burden, and generally for the trading within the limits aforesaid of such ships or vessels " And whereas it is further enacted in the same statute as follows, that is to say. "And whereas it may be expedient to admit to similar privileges and advantages any ships or vessels belonging to nutive princes or states in subordinate alliance with, or having subsidiary treaties with the East India Company, or owned by subjects of any such princes or states, be it therefore enacted, that the Governorgeneral of India in council may by such regulations as aforesaid such regulations being subject as aforesaid, admit to the privileges and advantages of Bittish ships for the pur-poses of trade within the limits of the charter of the said company, including the Cape of Good Hope and the territories and dependencies thereof, or to any of such privileges and advantages, any ships or vessels belonging to such princes or states, or any of them, or owned by subjects of any such princes or states but any such regulations shall provide for the granting to such ships or vessels fit and convenient licenses or passes, and generally for the trading within the limits aforesaid of such ships or vessels ' And whereas, in pursuance of such enactments, it is expedient to frame such regulations as are mentioned therein, the compliance with which shall be required in order that ships or vessels may be deemed British ships or be admitted to the privileges and advantages of British ships, under such proclamation as aforesaid

'I hat no ship or vessel shall be deemed a British ship under such proclamation as aforerui (arcent as regards ships or vessels registered before the passing of this act or having a pass at the time of passing thereof), unless the person or persons duming property therein shall have caused the same to have been registered at some one of the ports herenafter mentioned within the territories of the East India Company, and shall have obtained a certificate of such registry from the person or persons authoused to make such registry and grant such certificate

II That the ports at which registration shall be made shall be the ports of Calcutta, Madras, Bombay, Singapore, and such other places subordinate to the local governments of India, as such governments respectively may from time to time declare to be registering ports under this act provided that ships or vessels built at any place other than any of such ports, shall be allowed to make their first voyage to any of such ports, being the ports at which it is intended they shall be registered, under a certificate to be granted by the principal British officer at the place where the ship is built, or if there be no British officer in authority there, then by three merchants of such place, which certificate shall contain all the particulars with regard to the ownership and description of the ships or vessels contained in a certificate of registry, and shall specify the ports at which it is intended that they shall respectively be registered, and which certificate shall have all the effect of a certificate of registry under this act, during the first voyage from the place of building to the ports at which the ships or vessels respectively shall be afterwards registered, provided that such ships or vessels so proceeding on their first voyage as aforesaid, shall be deemed British ships only whilst duly prosecuting such first voyage for the purpose of registry and if they be not registered within a reasonable time after their arrival at the port of registry, the owner or owners, or master or other person having or taking the command or charge of such ship or vessel, shall be liable on information in any court of Her Majesty or the East India Company by the advocatesgeneral of the respective presidencies, to a penalty not exceeding 5000 rupees

III That the persons authorsed to make such registry, and to grant such certificates as aloresaul, shall be the persons now authorsed to make registry of shaps or vessels under the statute 3 and 4 William IV c 55 and such other or different persons as the local governments may from time to time appoint for the ports under their respective previolances

IV That at every port where registry shall be made in pursuance of this act, τ book shall be k.pt by the registering officer in when all the particulars contained in the form of the certificate of the registry shall be duly entered

The other provisions of this act are, as respects registry, measurement, certificates, &c, similar to those of 3 and 4 William IV, c 55

Proclamation

The Governor general of India nn council hereby decirres that all ships and vessels built or to be built within the limits of the chorter of the East India Company (as those limits are defined by the statute 3rd and 4th of Queen Victora, cap 56, initial of . An Act further to regulate the Trade of Ships built and trading within the Limits of the East India Company's Charter,) being owned by her Mayesty subjucts, for whom the stud Governor general in council has power to legislate, and belonging under the provisions of the act passed by the Governor general in council, No X of 1841, to any ports in the territories under the government of the East India Company, shall be deemed to be Brinish ships for all purposes of trade within the said limits, including the Cape of Good Ilope and the territories and dependencies thereof

4ct No XIII of the Right Honourable the Governor General of India in Council, on the 16th of August, 1841,

Declares and enacts that the import duty on wine and spirits in casks shall be settled on the quantities registered at the time of importation, without any deduction what sover provided alway that the keepor of very watehouse indicated by Act No NN of 1536 shall, in accounting with the customs department for the intrele so warehoused, be allowed ullage on such wine and spirits at the inter of ten per cent for one very accounting to the time for which such wines and spirits shall have been lodged

ORIENTAL COMMERCE

Act No XVIII of the Right Honourable the Governor General of Indua in Council, on the 30th of August, 1841

I Enacts that arms, ammuniton, and military stores (with the exception of arms in the possession of midviduals for private use) shall not be exported or otherwise taken from the territories of the East India Company without a license from a public officer or officers for each presidency to be indicated by the governments of the respective presidencies, for the purpose of granting such licenses, and a full compliance with all such rules and condutions as may be presented for the guidance of such officer or officers in rules and condutions as may be presented for the guidance of such officer or officers in rules and condutions as may be presented for the guidance of such officer or officers and aforesaid, contrary to this act, shall thereby become forfeited, on the award of the officer or officers suttorised as a doresaid to grant licenses; or the collector of customs, and every person offending in the premises contrary to this set shall be liable, on conviction before a magniturate, to a penalty not exceeding 500 rupes

II That any person who shall collect or keep in one place, or within places not exceeding three miles in distance from each other, any quantity of gunpowder exceeding fifty pounds, without a license from such officer as a foresaid, shall be liable, on conviction before a magistrate, to a penalty not exceeding 500 rupees, and such gunpowder shall become forfetted on the award of the officer or officers authorised to grant licenses as a foresaid, or the collector of customs

III That it shall be lawful for any of the governments aforesaid, to allow at any port or ports, the exportation of arms, amminition, and military stores, as aforesaid, without any such license as aforesaid, as they shall deem expedient

Act No XXIII of the Right Honourable the Governor-General of India in Council, on the 11th of October, 1841,

Enacts, that if any person after the passing of this Act, lands, or attempts to land, or shall introduce by land in any part of the territories subject to the government of the Presidency of Fort St George, in Madras, any turn or run shrub which is the produce of any foreign country, or of any British possession into which foreign sugar or run can be legily imported, such run or run shrub shall be seried by the collector of the customs, or by any other officer authorised to serie and detain contraband goods, and shall be foreign to confiscation according to the rules in force for confiscating such goods, unless the district in which such rum or run shrub is landed, or in which an attempt has been made to land such rum or run shrub, be a district in which the governor in council hos fuel for the governor in council to authorise the importation of such rum of run shrub, and it shall be lawful for the governor in council to authorise the importation of such rum offer all cand such runs and run shrub into any district of the territories aforesaid by an order in the official Gazette

Act No IV segulates the Management of Boats and Catamarans in the Madras Roads, and for the Amendment of certain Harbour Regulations

By Act No XI, of 1842 for Amending and Explaining the Law concerning the Importation of Foreign Sugar

It is hereby enacted and declared that the prohibition and penalties contained in Acts No XXXII of 1836 and No XV of 1839 against the landing on attempting to land in any part of the territories subject to the Presidency of Fort William in Bengal or the Presidency of Fort SV George of any foreign sugar, or any sugar which is the growth of any British possession nice which foreign sugar, or any legally imported, shall apply and be deemed to apply to such sugar otherwise imported into any part of the territories subject to the said presidencies

By Art No. XIV of the Right Honourable the Governor General of India in Council on the 5th of Avgust, 1843, for regulating the Levy of Custom' Dates, and the Manufacture of Sult in the North Western Promotes of the Presidency of Bengal

I It is enacted, that Regulation XVI, 1829, Act II, 1838, and so much of Regulation IX, 1810 and ot any other Regulation and Act as affects the collection of customs duties or the manufacture of sait in the North Western Provinces of the Presidency of Bengral shall be repealed from the 1st day of September, 1843

JI First from and ster the day above-mentioned the following and no other duties of customs shall be levable upon the import and export of articles into and from the North-Western Provinces of the Presidency of Bengal, (that is to say)

On the import of salt, of all descriptions, two rupees per maund, and a further duty of one rupee per maund on the transmission thereof to the eastward of Allahabad

On the import of cotton, uncleaned, four annas per maund, cleaned, eight annas per maund

On the export of Misree, Kund, Chenee, and all clayed and refined sugar, eight annas per maund, Goor, Rab, Sheerah, and all unclayed and unrefined saccharne produce, three annas per maund

The import of sugar into any part of the said provinces is and shall remain prohibited

III That it shall be lawful for the government of the said provinces, from time to time to make and issue such orders as may be deemed expedient for the collection of the aforearid dutes, in such manner and upon such line or lines, and at such places on or near such line or lines as may seem fit, and all such orders shall have the same force as it they formed a part of this Act, from the date notified in the Gazette wherein they shall be published

IV That from and after the 1st day of September, 1843, the manufacture of alumentary sait throughout the North-Western Provinces of the Presidency of Bengal, without the express senction of the government, is prohibited, and that any person engaging in the manufacture of such sait, or preparing or causing to be prepared works for the manufacture of such sait, without such sanction and all zemindars or other proprietors of land, or their agents, comiving at such illicit manufacture, shall, on conviction by the magnitate, within the burnts of whole district the offence may have occurred, be punished by a fine not exceeding 500 rupees, and on non-payment of such fine by imprisonment not exceeding six mouths, with or without hard labour, and that "Ill works at which such manufacture shall have been conducted, or which are designed for such manufactured, shall be destroyed, and any salt which may be manufactured or stored thereat, shall be seared and confaceted

V That it shall be lawful for the collectors of customs and the collectors of land resense within their jurisdictions, to destroy all works for the manufacture of sait, and to serve the sait stored thereat, and to apprehend the persons concerned in the manufacture thereof, and make them over for trial to the magistrate within the limits of whose district the othereace may have acceured

The fines penalties, &c., are then enumerated in the Act.

XIV Nothing in this Act contained shall apply or be deemed to apply to the Saugor and Nerbudda territories, or to the district of Ajmere

By Act No X V of the Right Honourable the Covernor General of India in Councel, on the 23rd of Notember 1843, for making the Provisions of 5 and 6 Vict., c 47, Sect XI applicable to India

Whereas doults have sursen as to whether so much of an Act passed in the 5th and 6th years of the regin of ther Mayesty Queen Victoria, initialed, "An Act to mend the Lives relating, to the Customs, as provides that from and after the 5th day of January 1>13, any articles of foreign manufacture, and any pack-ges of such atticles imported into the United Aingdom or init the British possessions abrord, bearing any names, brands, or marks, purporting to be the names, brands, or marks, of manufacturers resident in the United Kingdom shall be forfeited, is applicable to the territories subject to the government of the Evst India Company

It is bereby coacted, that from and after the 1st day of May 1944, any articles of foreign manufacture, and any packages of such a tieles imported into the territories sub pert to the government of the said Company, betting nur names, brands or marks, purporting to be the names, brands, or marks, of manufacturers resident in the United Kingdom, shall be forficited

By Act No VI of the Rught Honourable the Governor General of India in Councal, on the 16th of March, 1844, for abolishing the Levy of Transit or Inland Custome, Duties, for resurve the Duties on Imports and Exports by Sca, and Jor determining the Proce at which Salt shall be sold for Home Consumption within the Territories subject to the Government of Fort St. George

I It is enacted, that from the 1st day of April, 1844, such parts of Regulation X of 1803, Regulation I of 1812, Regulation III of 1812, Regulation VI of 1812, and Regulation III of 1821, of the Maxims Code, and all such parts of any regulations of the said code as preserible the levy of transit or inland customs' duties at any town or place within the limits of the Presidency of Fort St George, shall be repealed

¹ II that Regulation IX of 1803, with exception of sections 55 to 70, both inclusive, Regulation XI to 1803, Regulation XI of 1808, Regulation XI of 1808, with exception of sections 5, Regulation II of 1808, with exception of sections 5, Regulation II of 1818, or the sense code, as relate to the rates of duty and drawback on spintuous liquors imported or exported by sea, also Regulation II of 1816, Regulation II of 1818, Regulation II of 1818, and the sense code, as relate to 10 relate, and such as the sense of 1819, and Regulation II of 1816, Regulation II of 1818, and Regulation II of 1818, generation IV of 1819, and Regulation II of 1818, Regulation II of 1819, and Regulation II of 1819, together with the schedules appended thereunto, excepting in so far as any of these regulations rescind any former cegulations either in part or in whole, of the Madres Code, and likewise the provisions of any kind contained in the foregoing or any other regulations of the Madres Code, for King the amount of duity to be level on goods imported or yearded by each and the same, shall be repeated

III That nothing contained in the two preceding sections of this Act shall be construct to prevent the levy of any municipal tax, or of any toll on any bridge, road canal, pier, or causeway, for repair and maintenance of the same, or of any fee for the erection and maintenance of lighthouses

IV That duties shall be levied on goods imported by sea into the Presidency of Fort St George -- (See Schedule)

V That certain duties are to be levied on goods exported by sea from the Presidency of Fort St George

VI That certain duries are to be levied on goods passing by land into or out of foreign European settlements, adjacent to the Presidency of Fort St George

VII The governor in council may declare by notice in the Gazette, the territory of native chiefs, beyond the jurisdiction of the courts, to be foreign

VIII Customs' chokees may be established for the levy of duties on goods passing into or out of foreign territory Powers of officers at such chokees Goods not to be allowed to pass across the frontier line without a certificate of the duty thereon having been paid in full

IX The governor in council may appoint officers to collect duties and to grant certificates of payments If goods be found not to correspond with certificate, the difference to be noted on the face of the certificate and if the duty have not been duly paid, the goods to be detained until a further certificate be produced

A The appointments of officers to receive customs duties on the frontier to be notified in the official Gazette Officers so appointed bound to grant certificates on receipt of the proper duty XI Certificates not to bear date more than thirty days before the arrival of the goods

XII The governor in council to notify in official Gazette by what routes goods may cross the land frontier After which, goods brought by other routes to be liable to detention or confiscation

XIII Goods crossing frontier clandestinely to be confiscated

XIV Penalty enacted for officer permitting boods to cross the frontier without certificate or by prohibited route

XV Penalty for a chokee officer needlessly and vexatiously injuring goods or wrongfully detaining them

XVI Goods imported by set from foreign European settlements or native states declared foreign to be hable to duties leviable on foreign buitoms

XVII No dutable goods entered in either of the schedules of this Act to be exempted, unless under special order of government

VIII Under proviso goods may be imported duty free from any other Madras port

 $\lambda \lambda$ Credit may be given at any Madras port for duties paid at any other British Indian port

XX The governor in council to notify in the official Gazette, the valuation of articles hable to ad valorem duty

XXI When no value has been fixed or declared, duty to be levied according to the market value

XXII Application to be made in writing for the passing of goods through the custom house

XXIII Declaration of market value to be submitted to appraising officer. The collector of customs empowered to purchase undervalued goods at the price so declared

XXIV Government to notify in the official Gazette the ports for landing and shipping merchandisc. Goods landing at other ports to be confiscated

XXV Manifests of cargo to be send in by masters of vessels on arrival The governoi in council may appoint places beyond which no inward-bound vessel may pass until the unater have forwarded his manifest of error. Excepting certain country craft

XXVI Pendity enacted for a master delivering a manifest not containing a full and true pecification of cargo

 $\chi\chi\chi$ M sters of inward bound vessels remaining outside of the places fixed by the governor in council, required to deliver manifests Penalty for the master of a vessel refusing to deliver a manufest

XXVIII No vessel to break bulk until the collector of customs has received ship's papers

XIV Goods moved from or put on board of any vessel without due entry in the custom house or permission for discharge of cargo, to be seized as contraband After cutry in due form cargo not declared forre exportation may be landed, and export cargo latten Goods liable to seizure and confiscation if attempted to be landed or put on board in contrivention of this Act

XXX Penalty on master if cargo does not correspond with his manifest or if goods sent out of the vessel be not landed at the prescribed places But allowed to amend obvious errors in manifests of cargo

XXXI O to or more places in every port to be appointed for the landing and shipment of goods. Goods landing at or shipping from any other place without special permission to be confisented.

XXII The governor in council may license boits for landing and shipping merchandise and itter notification goods found on any other boats to be liable to confiscation excepting under special permit from the collector of customs.

XXMI After due notification by government, the collector of customs empowered to station customs officers on board of any vessel

XXXV Penalty enacted for the master of a vessel refusing to receive and accommod its such officer

ORIENTAL CONVERCE.

XXXV Collector of customs may assue warrant to search any vessel, and a remaining for any master of a versel resisting officer with warrant for search

XXXVI Penalty for a master removing or putting on board goods between sunset and sunrise or when the custom house is closed, without leave from collector

XXXVIJ Export cargo boats without permits not allowed to be alongside resrels on which customs officers are stationed. Goods on such boats, if not covered by a pass, to be lable to confiscation

XXXVIII In the removal of goods from on board any vessel, a boat-note to be sent with each separate despitch Goods hable to confiscation if found without a boat note, or out of the track between the vessel and the proper place of landing

XXXIX Goods brought to be passed through the custom-house, if not corresponding with the description in the application, hable to confiscation

XL. Goods liable to confiscation if removed with fraudulent intention after landing, and before passing through the custom-house

XLI Collector of customs may require goods in bulk to be weighed or measured before landing, and levy duty accordingly

XLII Rescinds cap it s xi, of Reg 1, of 1805 of the Madras Code

XLIII Fixes the price to be paid for salt within the Presidency of Madras (See Salt.)

XLIV The governor-general in council empowered to grant a remission of this price

XLV Salt having paid the home consumption price may be landed free at any other Madras port under certificate

XLVI A instead period to be allowed for discharge of import cargo of vessel on which customs officer may be stationed

XLVII A limited period to be allowed for discharging cargo from any vessel without a customs officer on board, goods remaining on board after period allowed, to be landed and warehoused by order of collector Customs' collector, with consent of master of vessel, may cause any packages to be deposited in the government warehouses. The collector empowered to sell goods if not cleared from custom-house within period specified

XLVIII Limited period to be allowed for putting export cargo on board of any vessel

XLIX A penalty for putting goods on board a vessel after customs' officer s removal therefrom, and before a customs' officer has again been placed thereon

L A port clearance to be granted to the master of every vessel on certificate of all public demands against him baving been satisfied

LI Rules to be given for levying duty on goods passed through custom house for shipment after grant of port-clearance

LII Cargo of reasels putting back from stress of weather, or damage and compelled to re-land cargo, to be taken charge of by customs officers, and lodged in such place as the collector may direct. Penalty for a master putting back into port without goods on which draw back has been allowed

LIII. Duty on goods re-landed before the lading is complete to be refunded, but not after grant of port clearance, unless the vessel have put back for stress of weather or damage

LIV Penalty on coasting and country craft for contravening such rules as governor in council may lay down for their regulation

LV Native ciaft to be treated like coasting ciaft of the British territories

LVI No drawback allowed on goods shipped on such native craft

LVII Goods re exported in the same vessel not subject to duty, duty to be levied on transhipped goods as it they had been landed and re exported

LVIII Goods to be liable to confiscation if transhipped without special licence from collector

LIX Customs' officer to superintend transhipment

LX The collector competent to adjudge confiscations

LXI The collector may exact payment of hues before granting port clearance

LXII Empowers collectors of customs to decide upon cases of seizure, and to adjudge damages. To mitigate penalty of confiscation to the extent of the levy of double duty and to distribute part proceeds of sale of confiscated goods in rewards among seizing (fhc.rs

LVIII All officers of customs amenable to civil courts

IXIV Penalty for obstructing customs officers in the exercise of their powers

1 XV Penalty for customs officer receiving consideration for doing or forbenring any official act

LAVI Penalty for a customs officer concerned in defrauding the customs revenue LAVII. Penalty for exacting customs or duties without authority as a customs officer $\Delta t_{\rm custom}$

LVVIII The governor in council may transfer the powers of collector of customs to any other officer and may make rules and appoint officers to carry this Act into effect, and fix rates of wharfa_e and rent

TARIFF, SCHEDULT A -RATES of Duty to be charged on Goods Imported by Sea into any Port of the Presidency of Fort St George

vomber	ENUMERATION OF GOODS	When Imported on British Rottoms.	When Imported on Poreign Bott ms
1	Buil on and coin	freq	íreo
	Preci a stones and pearls	ditto	ditto
3	Grain and pulse other than vice and paddy	ditto	ditto.
	1 5	2 ann's per bag not exceeding 2 maun l	4 annas per bag no exceeding ? maund
		of 80 tolas to the	of 60 tolas to the
4	Rice and paddy	seer or if meno ted	
		otherwise than us	otherwise than it
		b gr 1 anna per	bags 3 annas per
•	Remark at a Market A	mound	maund
i.	Horses and other living animals	ditto	ditto
7	Loal coke bricks chalk stones marblo and wrought stone		
	excepted)	5 ditto	ditto
ъ	B oks p inted in th United Kingdom or in any British	4 datto	3 per cent.
n	post sion		
19	Portign books	3 per cont	6 per cent
	M rns to us, the pr luce or man f cture of the United h midom rof any Briti h pessenti n	3 per cent	6 per cent
11	Ditte filt the pr dice or manifacture of any other place	15 -	
	or a ntre	6 per cont	12 per cent.
1	W tal r gbt r nuwrought th produce or manufacture	3 per cont	6 per cent.
13	of the Unit d hing fom rany Brit hps stin	1 a lier came	o por seas
13	M t is ditto date exc ft ug fin the produce or manufac	} G per cent	12 per cent
14	The the pro I co of any if r place than the United King	12 -	
	10m 9 ans British posession	} 10 per cent	20 per cent
1	W liens it produ or manufacture of the Ursted King	2 per cent	4 per cent,
26	In fary britten prime sin		
	Ditt the produce of at y other place or country	4 per cent	8 per cont
1	Cotton wo I not covered by certificate of the payment of	of 0 tolas to the	I rupeo 2 annas per m und of 80 tolas to
	export luty at any oil or port of Fort ht George	seer	the set
18	Cotton and silk purce go ds otton twist and yorn the pro-	1. mil	
	du cof the Unsted Kingdom or fany British pases	3 per cent	7 per cent
12	ton	· ۲	
	Dirt the produce of any other place	7 per c mL 24 rup a per secr of	if per cont i rupces por neur of
n	Opium	50 tolan	So to las
1.1	salt	3 rupees per maund of	
	1	BO tolus to the scar	86 tolar per sear
72 I	Vian	10 per ni	20 p r cent
4	If t 1 ut ran	h p. cent	10 per cent
	i etcl nut bosted 1 mpl or	10 per cust. 10 pur cust	99 per cent 20 per cent
	t mpror	10 per cent	0 per cunt
27	(i e	HU rout	20 per cent.
44	f flor	d p r ut) parr ut
1	(n)	10 pure at	20 j r out.
99 34	TT , and shape	to per est.	20 per cent
31	l py r B ps	lope c t	20 pc int
	R D#	731 r cent 10 per curt	15 per cent 20 per cent
*5	ับป	lopercere p	2) pe cont
35	W + undiling r	10 per cut	oproint
	Spirite {	Jann per in perial	t rupe per imperial
		guliva	gation
	All h styon-spists bill b steaming in reasting the these later or could have been	1	
		1	
	alt 1 6 e jarr bottles shall be depode juri to the supprivilgation		
		{	
37	T ba en	10 per cent	20 per cent
	All rt des not helt led in the above enum ration	34 per cent	7 per cent

ORIENTAL COMMERCE

And if the collector of customs shall see reason to doubt whether the goods liable to a different rate of duty according to the place of their production come from the country from which they are declared to come by the importer, it shall be lawful for the collector of customs to call on the importer to furnish evidence as to the place of manufacture or production, and if such endence shall not satisfy the said collector of the truth of the declaration, the goods shall be charged with the highest rate of duty, subject always to an appeal to the governor in council of Fort SL George

And upon the reexport by sea of goods imported, excepting optim and salt, and all goods of the growth, production, or manufacture of the countent of India, provided the re export be made within two years of the date of import as pie custom-house register, and the goods be identified to the satisfaction of the collector of customs there shall be retained one eighth of the amount of duty levied, and the remainder shall be repaid as drawback

But no exporter of imported goods shall be entitled to drawback, unless the drawback be claimed at the time of re-export, nor shall ony payment be made of drawback unless the amount claimed be demanded within one year from the date of entry of the goods for re-export in the custom house register

TARIFF,	SCUEDULE B - RATES of Duty to be charged on Goods Exported by Sea from	
	any Port or Place in the Presidency of Fort St George	

Number	BNUMERATION OF GOODS	Export 6 on British Botiams	Exported on Foreign Bostoms
1	Bullion and coin	free	free
2	Premous stones and pearls	ditte	ditto
3	Books maps and drawings printed in India	ditto	dirto
4	Horses and living anumals	díuo	ottib
5	Cotton wool exported to Europe the United States of Am. rice or any British possission in America.	} ditto {	9 annas per maund of 80 colas to the very
6	Ditto, ditto, experied to places other than above {	9 unnas per maand of } 80 tolas to the scer }	I rupes 2 a nas par maind of e0 talas to the secr
7	Sagar and rum exported to the United Kingdom or to any listilah possession not bang a Britsh possession or soit dismost on the couldness of India including Bumbay	} me	3 per cept
8	Ditto ditto exported to any other place including any British possession or settlement on the continent of India including Bombay	3 per cent.	6 per cent
D	Gram and pulse of all sorts other than rice and paddy	I anna per bag not ex czecing 2 maunds of 80 tolas to the secr ar if exported off or was then in bags j 2n ana per maund	
10	Rice and paddy {	shove or one anon per maund	4 annus per bag as above or 2 annus per u aunut
11	Indigo	8 rapees per maund of 80 tolas to the seer	fring cs per maund of 50 tolus to the seer
19	Salt, having puid the price fixed to be paid on salt declared for experiation to perts or places not being subordinate to the Presidence of Port St Geerge	} frea	free
13	Tobacco	10 per cent.	20 per cent.
14	Opiam not covered by a pass	pr hibited	prohit ited
	All articles not included in the above critmer tion	3 per cent	6 pt cent

And upon the re export to Europe, the United States of America, or to any Butush possession in America, from Madras, or from any other port of the Presidency of Fort St George, of cotion that has been imported under certificate of the payment of the duty specified in this schedule, provided that the re-export be made in Bittish bottoms, within two years from the date of such certificate, and the amount be claumed within one year from the date of re export as per custom-house registers, the whole amount of export duty levical the first place of export shall be refunded

MANIFEST, SCHEDULE C	-MINIFEST of Goods imported per	Comm
under	colour viz	

	Command	er.	from
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Murk.	Numbers	Packages	Quantity	Wolght	Gall na	'r arde	Description of Goods	In oice Value	Tariff Value
A	1 a 5	5 Citros	250 pieces			3300	Cambries Log I Us bleached Log cloth a bl cled Modepoliam bl ach d D tro abblea hed I lain muainas		

N B Articles generally to be specified, excepting such as it inmongery, hirdware, plass ware earthunware cutlers, perfumery confectionery, stationery and such like

All articles from Great Britin to be entered according to the English weight, not native

From China in like manner in China weights

In imports or exports of bullion or coin, to specify the sort of which they consist

Act No XV of the Generator-General of Indua in Council, on the 6th of July, 1844, for amending the Schedules of Import Datues annexed to Act XIV of 1836, to Act I of 1838 and to Act VI of 1844

Where is by Article XVII of Schedule A annexed to Act No XIV of 1936, by Article XVIII of Schedule A annexed to Act No I of 1938, and by Article XIX of Schedule A annexed to Act No VI of 1944 certain rates of duity are to be charged on the importation into the ports of Bengal and Orssa, and the ports subject to the presidencies of Bombav and Madras of cotton and silk piece good, the produce of any place other than the United Kingdom or any British possession and whereas it is expedient that the same rates of duites should be charged on other foreign goods of a like description.

It is hereby enacted that from and after the 1st day of January, 1845, the rates of dury presented for the said articles by the said schedules shall be charged on the importion into the ports of Bengal and Orissa, and the ports subject to the presidencies of Madias and Bombary of all manufactures of silk or cotton and of silk and cotton mixed with my other material which are the produce of any place other than the United Kingdom or any British possession, and of all foreign made up articles of the said manufectures or of which any part of the materials is of the said manufactures

Act No X+I of the Generator-General of India in Council, on the 27th of July, 1844 for moreasing the Press and Import Duties heretofore payable to the Government on Salt manufactured within or imported into the Territories subject to the Government of the Presidency of Bombay

Whereas by Act VI of 1844, all mland, transit, and town dutues levind on behalf of the __overnment of the East India Company within the limits of the certroiters subordinate to the Presidency of Fort SI George were abolished, and the impost on salt manufactured and sold within the said teritories was raised to a rate more in accordance with the tax on the same article borne by other divisions of the Britsh possessions and whereas although inquiries which have been instituted as to the origin and extent of critic or duties and local ceases within the Presidence of Bombay, with a view to their ibolition, have not vet been completed it is nevertheless expedient, m order to equalise the aterry prices of salt within the Presidences of Fort SI George and Bombay to increase as well the cu tome duy on imported silt as the excise duly here-tofore and it present payable on salt that may be delivered from any salt work within the termiter vo sulject to the every.

I it is hereby enacted, that from the 1st day of September, 1844, Section I of Act XXVII of 1837 shill be repealed

II And it is hereby enacted, that from the 1st day of September, 1844 there shall be paid to the government on every maund of 3200 tolas' weight of salt that may be delivered from any salt-work within the territories subject to the government of the Presidency of Bombay a duty of one Company s rupee

III And it is hereby enacted, that section 43 of Act I of 1838, shall be repealed

IV And it is hereby enacted, that on application by the exporter from any port of the Presidency of Bombay of any sait that has pard the excise duty fixed by Section II of this Act a certificate shall be granted by the collector of customs at the place of export, under authority of which certificate the quantity of sait specified therein shall be landed at any other port of the said Presidency of Bombay, and shall be passed from such port into the interior, under cover of the passes applicable to the free passage of sait without the levy of any further duty either of excise or customs

V² And it's hereby enacted, that so much of Schedule A appended to Aer I of 1838 as provides that on sail unported by sea into any port of the Presidency of Bombay and not covered by a pass, there shall be levied a duty of eight annus per maund of eighty to loss per seer and so much of Schedule B appended to Act I of 1838 as provides that sait having paid the excise duty of eight annus a maund shall be permitted to be exported free of duty from any port or place in the Presidency of Bombay, shall be repealed

¹ VI And it is hereby enacted, that on silt imported by sea into any port of the Presidency of Bombay, and not covered by a pass, there shall be level a duty of one Company s rupce per maund of 2200 tolas weight, and that salt having paid the excise duty of one Company s rupce per maund shall be permitted to be exported free from further duty from any port of the Presidence of Bombay

Act No IX of the Governor-Ceneral of India in Council, on the 17th of May, 1945, for amending the Schedules of Import Duties annexed to Act XIV of 1836, to Act I of 1838, and to Act VI of 1844, and for repealing Act JV of 1844

I It is hereby enacted, that from and after the 1st day of June, 1845, so much of Schedule A annexed to Act XIV of 1836, so much of Schedule A annexed to Act I of 1838, and so much of Schedule A annexed to Act VI of 1844, as relates to the rates of duty to be charged on the goods next hereinafter specified be repealed

Marine stores, the produce or manufacture of the United Kingdom or of any British possession

Marine stores, the produce of any other place or country

Metals wrought of unwrought, the produce or manufacture of the United Kingdom or of any British possession

Metals wrought or unwrought, excepting un, the produce or manufacture of any other place

Woollens, the produce or manufacture of the United Kingdom or of any British possession

Woollens, the produce of any other place or country

Cotton and silk piece goods, cotton twist and varn, the produce of the United Kingdom or of any British possession

Cotton and silk piece goods, cotton twist and yarn, the produce of any other place Wines and liqueurs

Spints

All manufactured atticles, not included in the enumeration contained in the said schedules

II And it is hereby enacted, that from and after the said 1st day of June, 1845 all the provisions of the three above mentioned Acts which have reference to so much of the Schedules A to those Acts respectively annexed as is repealed by this Act, shall from and after the said day be taken to have reference to the schedule annexed to this Act, as if the schedule annexed to this Act had been part of each of the Schedules A, above-mentioned

III And it is hereby enacted, that Act XV of 1814, initialed, "An Act for amending the Schedules of Import Daties annexed to Act XIV of 1836, to Act 1 of 1838, and to Act VI of 1844, be repealed TINITE SCHTRUTE -- RATES of Duty to be charged on the following Goods Imported by Serinto any Port of the Presidencies of Lott William in Bengal, Bombay, or Fort St Georg.

ENUMERATION OF COOPS	When imp ried on British B trous	When imported on for 1gn Bottoms
Maria stor a 11 produce or manufacture of the United Kingdom		
or fany britch possission. Ditt ditt; the produce or manufacture of any other place or	5 per cunt	10 per cent
intry M t is wroight or a wrought the pric continuous facture of the	10 per ceut	20 per cent
Usted Kingdom 1 any Britsch pas es ion	5 per cent	10 per ceut
W this it d to the product it manuf cture of any other place W liting the product r manufacture of the United Kingdom or	10 p r cent	20 per cent
of us British posse (u	5 per cent	10 p r cent
We is the produce of any ther place or country Let us a desix press your and all manufactures of otton or lik a pretrical twest and sind sind or of conton or silk mixed with distord is material the produce of the United Kingdom or of	10 per cent.	20 per cont
a Shim h por asi n	o per cent	1) per cent
Diti i golu buf any other place Noting tire ditwit and yarn the produce of the Laured Kingdom.	10 per ceut	20 per cont
o f as British possession	3 per cust	7 per cust
hito the polace of any thir place	7 per c nt	14 per cent
rter all yor ler and oth roundar fermented liquor	5 por cent	10 per ceut
Vin + and ligs #	t ropce per imp gallon	Tupics per up gall
sp ta	imperial gallou	's rup esper unp gall
And the disty on spirits aball be rate bly increase I as the strength exceed London pro f and show may red in bettle fare quart		
bottle half b d en d equal to the moperial gallon		1
All manufa tur 1 art cl s t sorlud d ir the also a courseration	5 per cont	10 per cent

A Regulation relating to the Trade of Foreign Ships with India

Whereas a regulation was made and passed by the Court of Directors of the East India Company and transmitted to Iodia by a despatch, dated the 28th day of July, 1837, and promulgated by the supreme government on the 29th day of Dexember, 1837, for resulting and re-enacting with medifications, certain provisions contained in a regula too in wide and passed by the said Court of Directors on the 12th of August, 1829 for regulating the trade of foreign nations with the ports and settlements of the British nation in the East Indies – and whereas doubts have arisen is to the true intent and meaning of certain parts of such regulation, and it is expedient that such doubts should be removed the Court of Directors of the said Company by virtue of the powers granted to them by the Act for regulating the Trade to be carried on with the British Passesions in Indix b Act for regulation the regin of his late Majesty. Inser George the Plintd instituted Act for regulation the two the real on with the British Passesions in Indix by the shops of Nations in Amity with His Majesty. Inser concided the whole of the said regulation of Nations in Amity with His Majesty.

Foreign ships belonging to any state or country in Europe, or in America so long as such states or countries respectively remain in mitty with her Majesty, may freely enter the British sea ports and harbours in the East Indies, whether they come directly from their own country or from any other place, and shall be there hospitably received, and shall have liberty to trade there in imports and exports conformably to the regulations established or to be established in such sea-ports, provided that it shall not be lawful for the said shaps to receive goods on board at one British port of India to be conveyed to anotic British port of India, on freight or otherwise, but, nevertheless, the original imward cargots of such ships may be due in different British ports for that foreign destinations, and provided further that it shall not be lawful be British goot converting and any state on power whatsoet, to export from the said British terutories without the special primision of the British government, any naval or multary store saltpetice or grain.

(Signed) J P GRANT, Officiating Secretary to the Government of India

(See hereafter Modifications regarding Imports in Foreign Ships)

ORIENTAL COMMERCE

Fort William, General Department, 30th of November, 1836

The Right Honourable the Governor-General of Indua in Council, under the powers conferred upon him by the 3rd section of the Act 6 & 7 Will IV c 27, is pleased to appoint and direct that it shall be lawful to import mito any of the districts provinces, and places hereinunder mentioned, foreign sugar, or sugar the growth of any British possessions into which foreign sugar can be legally imported, and to except the same from the operation of the prohibition contained in the spaid clause of the scale Act, v_{i2} —

1 The settlements of Singapore, Malacca, and Prince of Wales Island, and their respective dependencies

2 The settlements of the Tenasserum coast

3 The province of Arracan, with its dependencies the islands of Rimree and Cheduba

By order of the Right Honourable the Governor-General of India in Council (Signed) H T PRINSEP,

Secretary to Government,

Fort William, Home Department, Separate Revenue, 1st of March, 1845

The Right Honourable the Governor General in Council is pleased to direct the publication of the following resolution -

Resolution — The Right Honourable the Governor General in Council is pleased to resolve, that is o much of the resolution of the government of India, dated the 30th of November, 1836 as excepted the resolution of the government of India, dated the 30th of November, 1836 as excepted the resolution contained in the 3rd section of the Act 6 & 7 Will N c 26 and made it lawful to import therein foreign sugar, or sugar the growth of any British possessions into which foreign sugar can be legally imported, be cancelled, and the permission thereively given to import such sugars into the settlement of Prince of Wales Island and Province Welfesley, is accordingly hereby resembed

Fort William, General Department, 14th of June, 1837

Under the authority conveyed to the Governor General of India in Council by Act No XIV of 1837, it is hereby directed, that goods imported into Calcutta, no the vessels of any of the states and territories bereauwader menioned, in which British vessels are received and treated on terms as favourable as native vessels, and likewise goods exported from the port of Calcutta in the vessels of such states and territories, shall be treated and dealt with m all respects as goods imported and exported in British bottoms

- I The ports of Arabia and of the Persian Gulf,
- 2 Ports in the Red Sca belonging to the ruler of Egypt, and
- 3 The dominions of the King of Ava.

Fort William, Separate Department, 9th of January, 1839

Under the authority conveyed to the Governor General of India in Councel by Act No XIV of 1837 it is hereby directed, that goods imported into the several ports of the Presidency of Bombay, in the vessels of any of the states and territories hereinunder mentioned in which British vessels are received and treated on terms as favourable as native vessels, and likewise goods exported from the ports of Bombay and the vessels of such states and territories shall be treated and dealt with in all respects as goods imported and exported in British bottoms

- 1 The ports of Arabia and of the Persian Gulf,
- 2 Ports in the Red Sea belonging to the ruler of Egypt , and
- 3 The dominions of the King of Ava

NOTIFIC ATION

The Right II coverable the Governor of Bengal with the concurrence of the Supreme Government of India has been pleased to determine that from and after the 11th of November 1944, the rate of duit to be charged on sail imported by sea into any part of the Presidency of Fort William in Bengal shall be three Company's rupees on every muand of 3200 tolas

From and after the same date, the whole of the salt in store at the different depôts, will be available to the public at the following wholesale prices

Name of Depót.	Prico per 100 Maunda	Name of Depôt	Price per 100 Maunda
Hidgellee — Kalar oggar Ki bei i a gger	20005. 375 370	Chittagong — Sudd r Chat and Doompkali A rakan salt Sulkca —	70pecs 387 382
Trropyka Rniggar Timl k —	790 869 885	Cittack Kipordeh Bistore Chilka	413 419 418
N ra upo r Twenty f or Pergunnah — Naraiopoor	395	Madras Kurkutch	424 365 368 360

The government reserves to uself the power of ro imposing the full amount of daty authorsed by law, sloudd circumstances arise to render such a measure necessary but no aiteration whatever will be made either in the daty now fixed on nuported sait, or in the prices to be paid for salt sold by wholesale on account of government before the lat of August 1845

Collectors of the land revenue and all officers of the government in fiscal charge of districts, are hereby directed to mike known the substance of this notification as widely as possible throughout their several jurisdictions

The Board of Customs Salt, and Opium, will issue the necessary instructions to their subordinates in the salt and customs departments

NOTIFICATION

The Government of India having directed, with reference to a despitch from the Honourable the Court of Directors, dired the 3rd of July last, that the excise and import duty payable under Act XVI of 1844 on salt manulactured within or imported into the territories subject to the government of the Presidency of Bombay, shall be reduced from one rupe to twelve anons per maund of 3200 tolas the Honourable the Governor in Council is pleased to notify that the said excise and import duty is hereby reduced accordingly

bombby Castle, 14th of September, 1844

To the Board of Customs, Salt, and Opuum, dated the 12th of June, 1843

Gentlemen,

I am directed by the Honourable the Deputy-Governor of Bengal to transmit to you the annexed extract (paragraphs 3 and 4) of a despatch from the Honourable the Court of Directors, dited the Silt of April, 1843, No 2, and to request that your Board will be pleased to issue the neces ary orders for discontinuing the collection of the dury charged upon teo, the manulacture of this country, and exported on British bottoms to the United Kingdom

I have, &c , Fort William (Signed) C BEADON 12th of Junc, 1813 Under secretary to the Government of Bengal

ORIENTAL COMMERCE

Extract from a Letter from the Honourable the Court of Directors, dated the 5th of April, 1843, No 2

Paragraph 3 It has been represented to us, that the three per cent export duty levied on the Assam tea at Calcutta operates as a hardship

4 We are of opinion, that for the present at least, the levying of this duty might be discontinued, and we accordingly authorize you on the receipt of this despitch, to give the necessary directions for discontinuing the collection of the rates charged upon tea, the manufacture of the country, and exported on British bottoms to the United Kingdom

Fort William Home Department, 28th of June, 1845

NOTIFICATION

The Right Honourable the Governor general of India in Council deeming it right that every encouragement should be given to the importation of machinery into India, both for the improvement of the communications and for the development of the commercial resources of the country, is pleased to resolve that machinery and plate iron prepared for the hulls of stemers be from this date, exempt from the payment of duties of customs on importation into the territories of the East India Company, until further notice

Fort St George, 27th of June, 1844

Under the decision of Her Majesty's Government, communicated to this government by the Honoparable the Court of Directors, the Most Noble the Governor in Council is pleased to declare, that the produce of Mysore will be treated in the United Kingdom and in India as that of a British possession, and he accordingly directs that all orders which have been issued for prohibiting the admission of sugar, the produce of the Mysore territories, into the provinces of this presidency, be withdrawn

Fort William Separate Department (Customs), 17th of November, 1842

NOTIFICATION

The following forms are prescribed to be in force and effect from and after the 1st of January, 1843, for the export of cotton or cotton wool free of duty to the United Kingdom, from any port of the Last India Company s possessions in India, indirectly through a port of Ceylon

⁴ Under declaration by an exporter of cotton from any port of British India in a sing or vessel bound to a warchousing port of Ceylon, that the cotton is there intended to be re-simped for the United Kingdom, the amount of duri levable thereupon under any law in force at the place of exportation, shall be taken in a bond signed by known householders of such place of export, the condition of which bonds shall be, that the amount of dury shall be paid in full at the end of six months from the date, unless there shall be produced a certificate from the customs collector of the port of Ceylon, to which the vessel is bound, declaring the cotton so exported to have been shapped for Great Britan, or for some port of Europe in a British ship, of which the name and captain a name shall be stated

And such certificate shall be written by the Ceylon collector of customs on the face of a pass-note to be given to the first exporter by the collector of customs at the Indian port of export, which pass note shall describe the article and its mode of packing, marks, and numbers, and shall state the quantity and quality, and the name of the shipper and consignee of the goods, and the certificate of re export to the United Kingdom shall contain a declaration of the identity of the article re exported with that described in the pass-note

CALCUTTA

COMMERCIAL REGULATIONS OF CALCUTTA

CALCUTTA, the capital of British India, is situated on the eastern banks of the Hooghly, latitude 22 deg 34 mm 48 sec N, longitude 68 deg 27 mm 18 sec E The city and suburbs extend along the banks for about five miles and, from the water, the appearance, though low, is imposing, and the approach upwards is rendered interesting by villas and other residences. The city is about 100 m.les distant from the sea, and from the Sandheads a most intricate navigation commences among the banks of shifting sand and mud The population is variously estimated, by some as high as nearly one million, a most gross exaggeration. It is very conveniently situated for internal trade, by the Ganges and its inbutary rivers and streams, to the north-west provinces Diamond Harbour, about thirty miles below Calcutta, and also on the east side of the Hooghly, has a sufficient draught of water for the largest ships Vessels of 600 tons anchor close to the Strand road, or Esplanade promenade of Calcutta

This city was in 1717, a straggling village of less than twenty huts, it has now for some time been named a city of palaces, and is divided into streets crossing each other at right angles, with handsome squares each having in the centre an open tank or reservoir of the Ganges water, with sloping banks planted with evergreens, &c The residence of the governors general was con structed under the administration of the Marquis Wellesley, and is described as of imposing magnificence

Fort William was commenced by Lord Chve, after the battle of Plassy, and is sold to have cost the East India Company about 2,000,000 stering It is situated close to the river, a little below the city, and on a level with the surrounding flat country It is the strongest and most regular fortress in India The form is octagon, five sides being regular, and the three next the river adapted to the circumstances of defence The river flows close to the glacis, the (itadel with its large salient angle, effectually commands the approaches Altogether, even Vaubou could not have designed a more formidable stronghold, with its dikes, trenches, and outworks, though from the lowness of its site, its appearance has nothing indicative of strength

In 1522, the population of the city proper of Calcutta was stated to be 13,138 Christians, 48,162 Mahomedans, 118,208 Hindoos, 414 Chrinese, total 179,917 In 1837, the whole amounted to 229,700 inhabitants, including Erastians, on the children of white fathers and native mothers. It is remarkable that there were at that time as many Portuguese as English, viz., 1715 male, and 1475 female Portuguese, total 3190, and 1953 male, and 1186 female English, total 313b English. The population of the subarbs live chiefly in luits ORIENTAL COMMERCE

The principal merchants are British, Portuguese (the latter chiefly born in India), and a few other Europeans Parsees, Hindoos, Mahomedans, Armenians, who have greatly increased, and several Jews The Screor and Baboo brokers are chiefly, if not all, Hindoos The press of Calcutta publish periodicals, almanics, registers, newspapers, &c

DISTANCES	FROM	CALCUTTA	IN	BRITISH	MILES	то	THE	FOLLOWING
			P	LACES				

Adom, S W	1000	Cashman (mart) all		Madras S W	1087
Agra, W N W	796	Cashmere (capital of) N Vi	1564		1037
Ajmere W N W	1035	Cuttack S W	251	Mangalore	1335
Aliababad, W N W	498		628		797
Allyghur	816	Chutterpour W N W	686	Midnapore W	69
Almoralı	896	Chettor, W N W	1079	Mirzapore, N W	455
Amedabad, W	121		348	Monghyr, N W	364
Amednuggur, W	1033	Chuttledroog	1175	Moorshedabad N	118
Anjungo, S W	1577		432	Muttra, W N W	618
Arracan, S E	5519		498	Mysore S W	1246
Arcot, S W	1085	Codhun	1441	Nagpour W	677
Ava É	1150	Comorin Cape SW	1770	Napaul N N W	560
Aurungabad, W	963	Corah W N W	655	Narwah W N W	817
Azımghur	475	Cuddapa	1007	Nusseerabad	1018
Backergunge	183	Dacca, N E	187		1342
Bahar N W	297	Dharwar 👧	299	Ongole S W	873
Baitool	780	Deesa	1300	Oude, N W	562
Balasore, S W	145 (Deihi NW	900	Patpa, N W	369
Bancoora	101		259	Pondicherry S W	1157
Banda	613		\$76	Poonah W S W	1107
Bangalore	1161		796	Parneah, N	282
Bauleah	145		748	Rajahmundry S W	690
Bareilly, W N W	783	Etawah W N W	719	Ramghaut, N W	879
Barrackpore	16)		1161		493
Basseen, W	221		711	Salem	1221
Beder W N W	980		580	Samulcotta	664
Bednore N W	1290	Ganjam S W	382	Saugur W	742
Beerbhoom NW	127	Ghazeepore, N W	481	Sattarah, S S W	1180
Bellary	1090		1359	Seetapore	671
Benares W N W	428	Golconda S W	907		1236
Bhooj	1324	Gorruckpore	325	Sholapore	1162
Bynore	905	Cuntoor	807	Sindy, or Tatta W	1602
Bisnagur, S W	1120	Gwahor, W N W	782	Strong W	849
Broach W	1228	Hansee	995	Sumbulpour W S W	309
Boglepore NWN	268		864	Surat, W	1288
Bombay W	1185	Hydrabad W S W	972 976	Sylhet N E	332
Bhopal, W	848 75	Indore W	975	Tanjore, S W Tannah	12.57
Bardwan Busar N W	446	Jeypore, W N W	932	Tellicherry	1307
Cabul NW	1815	Jaulnah Juanpore	466		1254
Calberga W S W	1018	Jumulpore	301	Vellore	1100
Caluerga W S W	480	Kaira	1204		1370
Calingapatam S W Calpee W N W	657	Lahore N W	1356	Vizagapatam S W	557
Cambay W	1253	Lassa, N N E	8.0	Viziaponi W S W	1183
Candahar N W	2047	Lucknow, N W	649	Vellore	1160
Canoge, W N W	824		510	1	1100
Canogo, o to o	044	1		1	

MONEYS, WEIGHTS, AND MEASURES

Accounts throughout Bengal are kupt in Companys rupees to which standard all current specie must be reduced for catties in merchants books, or payments to the government departments CALCUTTA

TABLE OF MONEY

4 Cownes 20 Gundas
 1 Gunda
 16 Annas
 1 Co s rupee

 1 Punn
 16 Co s
 rupees
 1 gold mobur

 1 Anna
 15 Sicca
 rupees
 1 gold mobur

5 Funns or 12 pice 1 Anna | 15 Sicce } rupees 1 gold modur The brst three denominations gradually disappearing are used for small payments amongst the natives

100 000 Rs are a lac and 100 lacs or 10 000 000 Rs a crore

WgioHTS - Besides the standard, or new bazar weights of British India, the following are also in use, viz -

FACTORY WEIGHTS	OLD BAZAB WEIGHTS-
	Are 10 per cent heavier than the factory weights
16 chutt, = 1 seer = 1 lb 18 oz 14 dr	the maund being 82 lb 2 oz 2 dr
40 seers = 1 maund = 74 lb 10 oz 103 dr	

For equalising the value of factory and standard weights -

Deduct one-eleventh from the weight in factory maunds, seers and chittaks, and the result will be the weight in new bazar maunds seers and chittaks

Add 10 per cent to the price per factory maund, &c &c and the result will be the price per British India or bazar maund &c &c

In Calcuits some artules are quoted at Company r naces per mand "others at 'nece rupces per hazar mand others at : need rupces per factory mund." On others again at eurent rupcet per inclory mound." the current rups being an imaginary money of which 116 are assumed equal to 100 seca. The same article is often estimated in a different scale from different places thus, Radongore and Baukah slik are sold per barar seer while Kasimbaar rund Gonates slik per factory seer. Thi iron verdigers Japan and English topper per sicca ruppes and factory manuf Gum benjmun is sold by factory. Il other gums by barar weight sitek lac by the former but soll lac and edge by the factory soll other gums by barar weight sitek lac by the former but all of retail barar consumption are sold by the barar weight.

WEIGHTS and Measures of India compared with those of Avoirdupois Bengal Factory Madras, and Bombay Weights

DENOMINATION	A+0	Avoirdapois			Bengal Pactory Maunds		Madras Maunds			dø	Bombay Maunds			
	lbs	07	dr	-1	mde		cb	mda	418	pol		mde		pice
Batavia pecul of 100 catturs	185	10		1		32	10	5	- 3	16			33	22 4
Beng I factory maund	4	10	10 7	- 1		. 0	0	2	7	35		2	-26	20
- bazar maund	82	2	31	- F	1	_4	0	. 3	2	н	з.	1 2	37	10
Bot bay andy	560	6	9	- i	7	20	4	22	- 3	8		20	0	٥
thi timeund	30	0	0		a	16	11	1	3	24		F 1	2	\$5 7
Cliap al	133	5	53		L.	31	6	5	2	20		4	30	14 2
Cochin c ndy	543	8	0	- 1	7	11	36	21	5	30	8	10	16	12 1
Combr ab zarcandy	7	8	0	- 1	0	- 4	0	0	3	16		1 0	10	214
(ua condy	1 195	0	0	1	G	25	2.9	19	6	10		17	27	4.2
M la andy	500	0	0	- 1	6	28	ō	20	- Ó	÷.		17	34	8 (
M I c a batár	405	9	0	- 1	à	16	15	16	- i	24		I II	18	17 1
Mistre anty	360	à	0	- 1	7	20	0	22	3			20	0	0
P Lo cauly	590	ó	Ó.	1	ė.	28	ō	20	ō	0		17	34	8.0
1 a g pecul	133	š	5 3	- 1	ĭ	31	ő	- 5		26		1 1	30	14 1
Sur & navad	37	6	5 3		ň	20	ŭ	i i	ã	37	9	1 i	13	10
Pucca m tind	74	10	10 7	- 1	- ĭ	- õ	ō		ž	33		6	26	20
1 Bigherry dy	600	- 0		- 1	- 2	ă		24	- 5	ũ	•	เขื	17	4 3

To estimate the vibre of some articles in current ruppes per factory weight with their equivalents according to the new system, the iologowing rules will suffice ity *a*_Defact five per cent from the price or value quoted in the current ruppes per factory weight, and the result will be its equivalent in sixer ruppes per baser (or new) weight. Or add one and a further per cent to the price (r value quoted in current ruppes per factory weight and the result will be its equivalent in function of the size of new per per factory weight and the result will be its equivalent in function.

The following, we local compared with other weights viz one Bengal factory maund as equal to 2 md⁴, vis and 37 polls Madras and 2 md 32 users and 30 pice Bombay. One basar nound is equal to 1 md 4 soers Bengal factory 3 mds 2 via and 11 J pols Madras and 2 mds 3 users and 10 pice. Bombay weights

LAND MEASOR	8
One bigght make 20 cott i	
One cott in or 26 chittak	720 square feet
Eight chittaks or 4 cottah	9(0 .
I our cluttals or 1 I augh,	180 .,

CLOTH MEASURE Three corbe $\equiv 1$ unguilee Three unguilees $\equiv 1$ ghernah Eight ghernes $\equiv 1$ haut or cubit, 18 m Two hauts $\equiv 1$ guz, or vard INDIGO, purchased as under per factory maund of 74 lb 10 oz exchange at 2s per ropee will cost to England the annexed proces per lb avoirdupois, apart from all expenses Charges on an average 10 per cont

Bupees per Maund	Ropers per Maund.	Rupees per Maund	Rupees per Maund
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	310 rupess = 5 8 bb 310 5 11 230 5 11 240 6 6 240 6 9	x d 200 rupces = 7 0 lb 270 x 3 3 n 280 7 7 x 280 7 10 x 300 80 7 10 x 300 8 2

Sugars coating as n exchange 2s per R neged prices per c	upe	м ж	ii1	stand as a	bove at	the	an	avoirdupais o will stand	at the p	arly i	r Factory seer to exchange ed prices per alk 10 per ce	at 2s pa	-	Dog.
5 rapech per c'at. 2 5 9 10 31 18	16 19	1		18 rapees 14 15 16 17 18 19 20	per ew	88 40 43 46 49	3 11 8 5 1 10	5 rapees p 6 7 8 7 9 7 10 7 11 7	8 7 9 10 11	đ 4 5 6 7 8 8 9 10	13 rapees 14 15 16 17 18 19 20	a per lb	# 13 16 16 17 18 19 19 19	0

BANKS, &c.—The Public companies and associations are Bank of Bengal Union Bank Agra. Bank Lank of Western India 'Calcuta Branch 'Chamber of Commerce Trade Association, Bonded Warehouse Association Indig Planters Association and the Assam Tea Company

THE INSURANCE OFFICES are the Bengal Fire Insurance Company Indian Laudable and Mutual and Oriental

Manya hata Oricettai Manya hasuance Oriceta – Alliance Company Amicable Office Asiatic Office Atlas Office Bengal Society Calcuita Company Calcuita Office Canton Office Canton Uzion Society, Commercial Company Equitable Society Globe Office Indiostan Company Hope Company India Company, Ocean Manue Company Onential Company, Pluenix Company Reliance Office Sun Office Tropic Company Universal Company, each of these had their respective agents in London

The rates of premiums of insurance are about as follows, viz ---

To ports us the Red San 4 per cent. Europe, north of Great Bintan, or Persuan Gulf 34, per cent To Lurope not north of Great Brian, North and South Amrice (off or arrung at any port on the cost), New South Wales, Chua (on ships and goods) Madagiscar and Bushire, S per cent To Vampoa, Macao or Lipstin (so optim and specie) Manhila Java, W C Sumatra, Bourboo (4) per cent additional for touching at the Mauritury). Columbo, Trincomalee 24) per cent To St Helena or the Cape 24) per cent To Makaca, Singapore Rangoon Am heest Moulanein (other parts on the Tennasserin cosat 14) per cent, and Mauritus, 3 per cent To Bombay 2 per cent, and from the Ist of April to the Jist of Cetaber 24) per cent To Penang 14 per cent. To Color To Mauritury and Cape 14 per cent to Be and 14 per cent and from the set of April to the Jist of Cetaber 24) per cent. In Lat of April to the Sit is of Cetaber 2 per cent, exclusive of monsoon rand from the 15th of Cetaber to the Sith Oceaber of April to the Commanded 14 per cent is do from the 15th of Cetaber to the 15th of December for which an extra premium of 1 per cent is charged for each time the vessel touches on the Coast

The princ	upal merchants	and	agents	of	Calcutta	were,	before	the	recent	
failures-										

Mesars	Allan Paten and Co			Crooke	Measura.			Meesra	Macvicar Smith
	Bacshaw and Co		I Co		1	Haworth	Hardman		and to
	Bares, Fielden and	T D	Souz	a and Co		and Co			hichel, Wilkie and
	C	Ech	top	M Clure	1	Hickey B	a lov & Co		60
	Boyd Beeby and Co	60	Co I			Jamieson	and Co	•	Owen Allhusen
	Brightman and Co	Post	r Ro	ters and		Jardine	Skinner	1	aud Co
	Campbell and Co.	Co			1	and Co		1	Purryer and Co
	Cart Taxore and Co	Fras	r 2	d Donald	}	Kaleslie :	and Ch se	1	Rustomjer Cowas
	Chapman Grifiths	AD	1 00		1	Leoch	Kettiewell	1	ice and Co
	P n1 and Co	8 1	Frase	r and Co		and Co			Smith Huffasele
	Carter Lake and Co	Gard	iner	Thomas		Lavingsto	ne Syona	1	and Co
	Conscrell and Co	B	de ar	d Co		and Co			Smith Larmour and
	Colville Gumore	Gilla	adem	Arbuth	1	Lyail	Mathesop	ł.	Co
	and Co	no	and	Co	1	and Co			Tulioh and Co
	Colyn Ansley	Gests	mo a	nd Co		Macintyr	and Co		Turner, Stopford
	Cowie and Le	Glad	tone	Hay	1	Mackeosi	e Lvall		and Co
	Cracroft Praser and	*	lhe a	nd Co		and to		1	Wat or Borrradaile
	Co	Glas	and t	0	1	Mockey a	nd Co		and Co
	J and M Crooke			COAWAY	1	Mackillon		t	Willis and Sarlo
	and Ge		Co		1	and Co		1	

Rate of Agency and Communon —On the sale, parehase or shipment of bullon jewellery pents and precisus stones. I per cent On the parchase (when in funks) or sale of indug, silk and optim 21 per cent Ditto ditto when timds are provided by the agent 5 per cent. On all sales or parchases of other goods 5 per cent. On the sale or purchase of singe factores, how as or lands 21 pulses. On structure to communicate the made in produces 24 per cent of all sales or purchases of other goods 5 per cent. On the sale or purchase of singe factores, on an original state of the sale of purchase of singer factores, on an original state of the sale of purchase of singer factores, commercial purches, the largergate communicate devices and per cent. On automaticate of the sale of the sale of purchase of the sale of purchase On devices and the sale of the sale of the sale of purchase of the sale commercial purches when the aggregate communication of sale 24 per cent. On a control of the sale on devices of the sale of the

. Brokerage when actually paid is considered a separate charge

The chartered Bank of Bengal was instituted in 1806, and chartered three years afterwards, with a capital of fifty lacs of sicea rupees, divided into 500 shares of 10,000 sicea rupees each of which the East India Company held 100 shares, and they rose to a large premium. The capital was afterwards increased to above 1,000,000! sterling, divided into shares of 4000 rupees each, and subdivided into quarter shares. It has nine directors, three are appointed by government, and six elected every three years by the proprictors. The secretary to government, in the financial department, the accountint-general, and the subtreasurer, are the three *ex officio* government directors. The secretary and treasurer of the bank is also a civil servant of the Company. The notes of this bank are received at all the public offices of Lower Bengal in payment of revenue The government being shareholders, the natives believe it to be a government bank Among the stipulations are,—

"1 The government require a deposit in their treasury of twenty lacs of rupees in Company's paper, as security for the notes received at the public offices and the district treasures

"By their charter, this bank issue as notes in the proportion of one-third of specie to two thirds of paper—that is to say, for every 900 rupees of notes issued, it must have 300 rupees in cash in deposit"

The Union Bank was founded in 1829 It is the only private bank at present (1848) in Bengal, three banks having some years ago dissolved, but there is a branch of the Union Bank of India at Calcutta There is also a bank at Agra for the North West Provinces

Remittances are to a great extent made from India by advances on exports to England, the goods being held in security by the Company's servants The extent of these advances will appear more fully from the following return of the amount of money yearly remitted to this country by the East India Company on hypothecated goods or produce, for the last ten years, ending on the 31st day of July last.

From August,	To alst of July	Remitted by Advances on Hypothecated Goods	Remitted by Consign ments of Sifk (Nett Sale I recease)	T0716
		2 1 6	£sd	5 . 1.
1837	1838	1 503 618 4 3	122 037 12 4	1 625 953 16 7
638	1539	751 035 1 6	66.394 7 10	817 129 9 4
839	1840	1 009 831 17 4	1 1	1 00P 831 17 5
840	1841	3 229 802 10 1		1 24 3 802 16 1
841	11842	385,359 11 9		883 359 11 9
812	1843	586,138 13 11	1 1	545 138 13 11
843	1844	3.49 466 6 0	1	13, 166 0 0
844	1815	617.808 16 10	1 1	637 406 10 10
845	1 446	531 827 18 3	1	531 827 16 2
1846	1847	1 269 (36 8 1		1 264 656 8 1

RATES of Freight for Dead Weight (say Sugar), per Ton of 20 cwt, from Calcutta to London, for the following Six Years were each month-

MONTHS	1810-41	1843-42	● 1842—48	1843-44	1844	1845-40
May Juno July August September Octobor Norember January February March April	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $	4 15 0 , 5 0 0 4 10 0 4 12 5 4 18 0 4 15 0 4 76 4 76 4 50 4 76 4 10 0 4 15 0 4 10 0 4 15 0	4 17 6 to 3 8 6 4 15 0 7 0 0 5 0 0 5 0 5 0 0 8 5 5 5 5 0 5 7 6 5 5 0 5 7 6 4 5 0 4 10 0 5 10 0 5 15 0 5 15 0 5 15 0 5 15 0 5 5 0 5 15 0 5 5 0
Average Monthly	5 10 10 to 0 1 6	8 4 1 10 8 10 1	3 0 7 10 3 9 10	3 14 3 10 3 10 3	4 15 5 10 4 18 4	5 0.010 5 4 2

CALCUTIA

MONTHS	[18	10-	-4	ı		1	 1	541	-	13		L	_	1	4	<u> </u>	13	_	J		1	64	13-	-44			18	44-	-4	9)	84	۶.,	-1	5	
May 3 ne 3 ly 4 gu t September 90 ctoher No ewle D en ber Jauuary February March April	004374444	400000000000000000000000000000000000000			1	4 0000000000000000000000000000000000000		405005100	010000000000000000000000000000000000000		10	8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10000000000000000000000000000000000000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1	1 d () () () () () () () () () (333333223334	10 5 10 10 5 10	000000000000000000000000000000000000000	10 H	835533533	1000 1000 1000 1000 1000 1000 1000 100				*******	13 00 7 5 7 15 10	00006660		10 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	00000000000	10	444434		50700050000
Verage Monti Iv	Γ.					: 3	Ϊ,	 		. 2	10		Ì,						• 1	1	,	,		to		•	1				10	~	I,	_		to			

RATES of Treight for Light Goods (easy Shell-lac), per Ton of 00 Cubic Feet, from Calcutta to London, for the following Six Years

YEARS	Average Monthl in Ca	Activals of bhips douttn.	Average Monthly Rate of Freight for Dead Weight (Sugar, to London						
840	Bumbler 15 *4 40 41 43 46	topnag 16 847 18,415 14 96 14 90 17 39 19 335	df p d 5 10 2 perton 20 cwt 3 7 1 3 1 92 3 15 3 4 16 103 5 x 1						
AVERAGE of Shaps fr	44	17 078	4 8 6‡						

The Rates of Freight for 1845-6 from Calcutta to London and Liverpool were as follow -

LO	NDON	r t A	BRPOOL
ARTICEN	Rate of Preight.	ARTICLES	Rate of Freight
S itpetre S tar R to Oil Sead Hides J to Num S) Il ise and La Dye Ird to and L Dye	C e d' L e d. 4 ' 1 6 (u 4 7 c per ton 30 cwt 4 ' 7 6 u 1 2 c 4 10 4 12 c 4 10 4 12 c 11 7 6 4 10 0 per ton 14 cwt 2 15 0 2 17 (per ton 14 cwt 2 15 0 2 17 (per ton 14 cwt 3 5 0 5 10 0 per ton 1 hdu 3 5 0 5 10 0 per ton 1 hdu 3 5 0 5 10 0 per ton 50 feet 4 10 0 4 15 0	Saltpotre Sigar R co O i veed Hides Jut St B I c and Lee Dive Judigo and S 1 goods	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
R sw Silk	4 10 0 4 15 0 per ton 10 ewt	Bas SIL	4 00 1 50 per ton 10 rwt

Norz -The r tes of fre git to M: iti for Rice 1 Comp nys upe and 6 anna per bag To China for cotton, 21 to 22 d Dars per bak. Optum 5 to 8 dollars per chest Maltpetre 1 to 12 dollar per bag

SHIP BUILDING in the port of Calcutta has declined during the last quarter of a century. In the six vears from 1800 to 1805, the number of ships constructed in Cilcutta amounted to seventj five, and their tornage to 32,507. If the tight years from 1806 to 1813, the number of vessels built on the banks of the Hooghly was soventy one, and their tornage 33,719, in a similar period, between 1814 and 1821, the vessels built were ninety five, and the tornage 41.650, during the eight years from 1820 to 1837, the ships launched were to 1931, and the tornfage 11,635. During the opened on the following similar period.

lowing returns, the number of vessels constructed did not exceed thirty three, and the tonnage 10,150 Thus it appears, that in the first twenty two years of this century, the number of vessels constructed in the port amounted to 241. and the tonnage to 107,912 In the last twenty-four years the number of vessels amounted only to 130, and the tonnage to 34,137 The tonnage during the latter period fell short of the tonnage of those which were built from 1814 to 1821 by more than 7000 tons "The gradual declension of ship building in the last quarter of a century has been so palpable, and apparently so premediable, that we must attribute it to some permanent cause which is likely to prevent its revival in Calcutta We ascribe it to our mability to construct vessels of such superior architecture, or with such superior economy as to compete with those which are constructed in England Of the commercial navy which adorns our port, every vessel of any mark and distinction has been built in England The dearer but more productive labour of English workmen gives the ship builders of England an advantage over their Eastern rivals, in spite of the low wages they pay, and the efforts of our dockyards are now confined to the construction of vessels employed in the coasting or China trade, and an occasional steamer But the increase of shipping in the port has given our docks more lucrative employment in the repairs of ships than they could have expected from building them

"In this brief notice of the ship-building of Calcutta, it must be added, that ship building has been introduced within the last eighteen years into Moulmein, and carried on with much success The first vessel constructed in that port was the Devil, of fifty tons, in 1830 During the eight years preceding 1843, the number of vessels built and launched there exceeded those of a corresponding period in Calcutta by seventy per cent, viz, sixty-four has tonnage to 17,436 The vessels are substantial when honestly built, and very durable, but extremely deficient in elegance and finish The great advantage enjoyed by the Moulmein builders is derived from the immediate vicinity of the teak-forests, but the timber they furnish is by no means considered equal to that of Pegu Had we retained the lower provinces of Burmah, when the king was at our mercy, and we might have obtained any portion of his dominions we chose to appropriate to ourselves, Rangoon, with the boundless resources of the Pegu teak forests above it, and the surpassing facility of navigation enjoyed by its river, would have become in a few years not only one of the largest marts in Asia, but the first ship-building port on this side the Cape "- Calcutta Circular

Name flessels	fonnag	D to of Launching	Built by whom and where
	ton		
Si en	1 151	Ath Sept 1 35 ()	uit by Mr. A. Sumes, at Howrab
Nymph	15		ant by at a substant and a state
1 ppy	149	"ti Dec 1st i p	rem Calcutta Disking Company at Kidderpore Dock Lard
13 I in Herd mon	219		
The Sy d Line	143		uitly Masre Bauchamp and Co at Howrab
Tie Him h	237		att at suit a
H Cos Steamer Ent r	514		()
prise		10th July 1878 P	rom d tto litto
Indy W Illis Dwarkanaub	.53	anda May 1 t B	nici y Mr J Foster 3 in at Howrab
	373	the pt into h	r in Cale ttal) king (mpary at Kidderpore Do k Yard) alt () Mr A St # at H wrab
1 goo R hurles C wartes	73		rom Calcutta Dockia, (ompany at kudderpore Dock Yard
	25	Hh May 1840)	roll Calcutta Dockias, Company at Aladerpore Dock 1 ard
I rig Dide	36	200 D 1510 B	ult by Mr A Simes at Howrols
- Bu ny r	103		rot Mr Walke a Ya i at il wrah
Promie C & 1	50		om Cal utta Docking Company at hidderpore Dock Yard
C th of Lalacus	430	ted fam 19113	
S x QR en	413	It Lord 1011 B	uit by Mr. 1. Simes at Howrah
Ji (Brilitman	414		litby Mr J Poster jun
H G Stean t He his	1	In Inc. (BAL)	the by lat b Tobact Jun
I on 8 ds. Sta mpr Irra		In Jac 1841 19	rom the Kudderpare Deck Yard
+ addy	151	In Dec 1841 1	the relation parts brock Tala
ALL	318		rom Mr Wall ral of at Howrah
S , a Fraser			ullity M A Sime t Howrad
Latt	5644	22nd April 1541 B	uitby Mr Brenn litto
Fr. new Cordon	30 5	ath April 1 14 P	u Cale tta D ku Lompony at Howrab Dock Yard
Verstoon At ar	27 1	141b Sept 1-44 8.	ult by Mr 1 Riere at Sulkea
HI Stoon r Spy	63		roas C lusta D ching to npary at hidderpore Dock Yord
II Co Lightie eil ich	143) th June 1844 .B.	ult by M Bremner at Howrab
fron 't amer i cham	18	Aud 5 pt 18141	allt by Mr Calder at Howrsh
Ire i Steamer Auckland	03 3~10	6th D c 1844]	nuchy sir canner at Howrith
b booner Enigma) INU	SE 11 y 184 y	
A Erias	540	21 (July 1815 f	ult by Mr T Recves at Sulkes.
Ratio Meam r	569		ant by Mr I Accres in Suikes.
Nad (Julpha	189	Int Jn 1845 3	

STATEMENT of Vessels built in the Port of Calcutta

The vessels which trade between this port and Great Britain are of two classes, the first of from 800 to 1200 tons each ship, arrives here about the commencement of the northerly monsoon (or the cold weather), say in the latter end of October or November The vessels of this splendid class are termed "*Passenger Ships*," amongst the finest of which we mix name the *Qween, Bucchalus, Maria Soames, Monarch,* &c The other class are vessels which are employed chiefly in the curying trade, and in size vary from 300 to 600 tons. These irrive all the year round, but particularly during the runy season when, the internal communication of the country being fully opened, the largest quantity of native produce comes down to Calcutta.

The tude between Calcutta and France is, comparitively trifling, being cuited on by a number of regular small traders of about 300 tons, which arrive here during the cold weather with fancy goods, sold in exchange for indigo and dry saltenes

There is a limited trude carried on by country built ships with Ceylon in grain, occasionally a ship or two airives at Calcutta sceking freight

The export trade from Calcuta to the Mauritus consists of coolies and use, which former are mostly imported by a number of regular trading country-built vessels that are fitted out for the purpose, and which return to Calcutta in b illast

During the year ending 30th of April, 1816, thirty three versels with 7764 cooles ailed from Calcutta to Mauritus

To the WEST INDES, during the same period, there departed, for Demerara, six ships, with 1425 cooles, for Jamaca, four ships, with 1015 cooles, and for Trundad six ships, with 1524 cooles, total, sixteen ships, 3964 cooles Philanthropy never committed a greater or less successful blunder

AUSTRALIA, VAN DIENEN'S LIND, NEW SOUTH WILES --Vessels frequently arrive from these places with troops, or horses These vessels have usually sailed from England with emigrants, and when freights homewords from Sidney or adjacent parts are low or difficult of attaining, such vessels also come in ballast to obtain cargoes in Calcutta

PROUM MOULNEIN, AND RANGOON ---In the trade between these places and Calcutta the import-tomage always exceeds the export, which may be accounted for from the curcumstance that about one-fourth of the vessels that arrive are new teak ships, just built, for sale or additional fastenings, and are generally despatched with cargoes to London or to the eastward, about another fourth comprises vessels touching at the above places from Singapore to take in a cargo of tamber, for the Hoogly.

CHINA AND SINGAPORE — The vessels trading with these places are chiefly opium clippers

BOMDAN — With the exception of occasionally salt and European goods, which cannot find a sale in that market, there is little or no trade between the two presidencies, although many vessels at all seasons of the year continually come round to Calcutt for cargoes

COASTING TRADE AND NEW TABLES — The recent Order in Council promulgated by the Governor-general, the Earl of Dahlousse, which declares all duties abolished between the ports of any one presidency in British India, and those of any other presidency, will greatly relieve and consequently increase the coasting trade. This abolition of a barbarous and injurious system of restrictions, as well as the equalisation of all differential duties on imports, whether in British or in foreign ships, declared by the same Order in Council, places the external and coasting trade of India upon sound principles. Nor are the duties higher than purely revenue rates (See Tariffs, the scale now being for all the same as in the column of import duties by British ships and on British goods)

RATES of Weight or Measurement for Tonuage according to the I sage of the East India Company at which the following kind of Articles constituted the Cargoes of their Ships are still calculated at per Ton

ARTICLES	Rate per Ton.	ARTICLES.	Rate per Ton	ARTICLES	Rate per Top
	cwt		cwt	i ·	CWL
Aloes	15	Flax (no asurable 50 cubic feet		Nutmer candled	20
Ass feet da Arrango haad and		t ates)	20	Ohbauena	18
almo	20	Fees Ikali	20	Osl of cinnamon	20
B jamin buffaloe hiles and		Gioger green		Opiumo	14
boras		dried		Lupper and Pimento	1+
Bark		Gun arabic-myrrb elena and		Pepper long)	18
Frx nar fined (se tincal)	16		16		8
Cotton (m asur blt 50 ubic feet		larcocal		Rice and red wool	20
to a tor) cution yarn	10	Hemp (meas rable 50 f et to the		Sill Be gal in balos	10
Coffee 16 ewt	19	ton of 3 bal #)		China in chests	8
ordamons and clove.	12	Indigo (measurable 50 cubic fect		Shell lac stick lac sal ammo-	
Clove b rk and connamon cas-		to a ton)		niac and sage	10
staig (and buds	- 8	from japan copper ordinary		Saffower	14
Chana wot	11	hut âc	20	S gar saltpetre and Japan or	
Camoph r	15	Lin eed	20	andal wood	20
Colombo root c number and cake		La lake	16	Soud fac	18
lac	ю	L ad a id Lapis lazuli	20		feet
Cochin al cural (rough) and		Lacq ered and chunaware (50		Senna leaf	N0
C WT ES	20	cubic feet a ton)			CALL .
Cutch		M ce		T rmeric and tincal	1
Dug n blood		Myrzh	16		10
Drug	16	Mother o pearl shells and drops		gruen	8
Fiphant Teeth	16	Munjet	10		20
Eb ay wood and extrast of		Nutries and nor vomica	15	ditto	26
rh ba b	20			1	1

Dr vD WEIGHT ARTICLES — Rice exported is of two qualities, the one being a white clear grain, adapted foi Great Britain, the other yellow or reddish, and consumed by the coolies in the Mauritus and West Indies^{*} The former begues to arrive about December, the latter towards March Exports have been as follows —

YEARS	Great Britain	Mansuins	YEARS	Great Britain	V auritius
1840-41 1911-4 11	bazər maunda. 584 625 684 639 4 8 473	bazar m bde x 374 \$30 3 12 4 336	1813—44 1814—15 184 —15	6 553 1 052 030	baza maunda 59 394 7% 175 97 445

This article is shipped at 20 cut per ton

Sugar —The shipments of this staple amounted, in 1831-32, to 188,660 maunds or 6923 tons, in 1835 6, to 843,889 maunds or 30,968 tons 1 The new sugars begin to arrive in Calcutta about June – This article, like rice, is shipped at 20 owt per ton

The exports have been as follows -

YEARS	Great Bratain	YBARS	Great Britzin
1840—41 1441—4 1842—43	1 45 02	194344 154443 184546	basar maunda 1 546 4764 1 548 609 1,531 2034

Saltpetre -- The Americans and French carry away in their ships large supplies of this article direct from Calcuita The manufacture of it continues during the whole of the dry season, say from October until June, although it is not until the opening of the rivers by rains, or about the commencement of July, that supplies begin to arrive in Calcutta This article is shipped at 20 cwt per ton

YEARS	Great Britain	France	North America
	basar maunde	basar maunda	basar manade
1840-41 184119	315 1094 364 7633	29 356 81 0759	87,1505 103,488
1842-43	480 731 9	31 60-5 67 7 29-5	49 196
1844-45	37 5832 400 3 1	23 834	140 21 14

The exports have been as follows

Hides and Skuns are shapped all the year round, but chiefly from June to November, when, from the opening of the rivers, large supplies come down into Calcuta The total average exports are computed at 2,000,000 pieces, of the average weight of 10 lbs each hide and skin, equal to 8928 tons of 20 cwt Hides are shapped at fifty four cubic feet to the ton, and also per ton of 14 cwt, generally by the latter standard

The exports have been as follows -

YEARS	Crest Britain	France	North America
	preces	pieces.	pieces
184041	1 589 13	80 593	846 93
1841-42	1 061 766	161125	11400 4
1842-43	1 1 393 5.00	230 034	P59,314
184-44	1 690 335	391 313	664 156
1814	1 761 663	48,612	1,314,
1845-46	1 1 -14 044	231 944	1 030 950

LIGHT GOODS -- Indigo -- Arrives about November, and is generally all shipped by April, fifty cubic feet go to the ton

Silk arrives all the year round, and is shipped at 10 cwt per ton. These two articles being of great intrinsic value, it is very difficult to procure them on freight, unless the ship is not only A 1, but also of a very superior class, the highest character of a ship at this port is to have, on a previous voyage, obtained an "indigo and silk cargo"

Jute is exported all the year round, but principally from December to Jane It is shipped at fifty cubic feet per ton, as also per ton of five bales of 300 lbs each When shipped per ton of fifty cubic feet, the same equals about a ton of 20 cet, in nearly the following ratio,

Jute at per ton 50 cubic feet	£ 2	<i>в</i> 0 е	qual t	£ 03	s O pe	er ton 20 ewt
•	2	10		3	15	5
,	3	0	,,	4	10	
	3	10		د ا	5	\$
"	4	ø		6	0	,
, i	4	10		6	15	
	5	0	,	7	10	"

When jute is shipped at the rate pei ton of five bales, or 1500 lbs, the same equals 13 cwt 1 gr 16 lbs

CALCUTTA

Shell-lac and lac dye are shipped by ton of fifty cubic feet, and arrive and are exported at all sensors of the year

The following tables show the period at which the various descriptions of produce from Calcutta are generally shipped to Great Britain, during 1843-44, 1844-45, and 1845-46, and of the principal articles of "dead weight" and 'light freight "--

				DEA	D WEI	снт		
MONTH	15	Sugar	Rice	Saltpetre	Rides	Lunseed	Mustard Secd	TOTAL
		per 20 cwt.	per 20 cwt	per 20 owt	ptr 20 cwt	per 20 cwt	per 20 cwt	number
M y	tens		1 94	1 964	490	36	126	7 316
upe	do	4 36.	1 487	1 619	485	141	84	7 581
aiy	do	1 249	738	349	36	106	169	8 407
agist	do	300	905	327	523	j Luni	192	7 991
i ptembor	de	6.300	1 36	6.9	434	31	238	10 408
tober .	do	3 14	1 1 4	1 24	201	283	234	7 490
forember	6	4 405	3177	1 /61	409	733	3/4	11 49
December	60	4 581	6.15	1 1 12	481	692	330	13,101
annary	da	3 78	461	112	441	160	74	10,444
ebruary	do	4 109	2 274	1633	344	23/	299	8 597
dar.b	do	5.417	1 179	1 335	520	235	417	9 405
pri	do.	5 679	1 312	831	490	105	199	8 602
TOTAL ton		59 787	26 756	13,455	5400	3.63	2729	111.312

ST ATLMENT, showing the Monthly Exports of the Principal Descriptions of Dead Weight in Tons, taking the average Annual Shipments, during 1843 to 1846

ST ITEMENT, showing the Monthly Exports of the Principal Descriptions of Light Goods in Tons, taking the average Annual Shipments, during 1843 to 1846

				L	1 G H T	6001) \$		
VONTH	s	Jte	Indigo	Rum	Silk	Shell lac	Silk Piece Goods	Lac Dye	TOTAL.
		per lies	per b0 c ft	per 4 blads	per 10 cwt	per 50 c ft	per 50 c ft	POT 50 c ft	Dumper
Nay	tons	158	149	1 181	130	454	75	46	2411
June	do	1.973	52	902	105	1.15	61 72	45	1 870
July	1	1 233	15	192	261	117	72	26	1 436
A gust	4	62	60 21	24	130	×7	70	29	1 386
S prember	do	1 515	21	190	169	1\$3	164	\$3	155
Out her	do	1 264		161	52	102	1 (2	20	1 691
N yeabor	do	1 39	363	236	91 69	70	74	3.	2 514
De +ber	.do	1 3 5 9	1 20	2,4	69	120	76	61	8,358
J Luary	đ	1 516	1 25	41	117			30	3,355
L b (ary	do	1 93	1079	164	144	1 30	69	34	3 405
M ch	do	157	3 6	1.0	151	10	61 62	26	2 456
April	do	1/54	342	147	J0	115	62	37	1 677
TOTAL IODE		16, 93	4982	02	110	1423	853	414	28 117

N B - In the store complation of ight freight we reak on indigo, 0 cubic feet to one thest shell has figure for the one chest has dy signature for the one chest.

ORIENTAL COMMERCE

The space, on the average, occupied by the various descriptions of dead weight are as follows ---

Saltpetre		65]	bs t	01	cubic foot	erge	20	cwł	equa}	to 34	fect 6 :	nches
Sngar		58	,	- 1		, ĭ	20		•	38	. 7	
Rice	٠	54		1			20			41	7	
Linseed		49		1	**	,,	20		,	52	ì	
Wheat		51		1		"	20			43	11	
Flour		47		1		72	20		,	47	8	
Coffee		37	,,	1	,,	,	20			60	6	
Furmeric		34	**	1	"		20			65	10	
Ginger		28		1			20			80	. 0	
Tincal		54	D	1	*		20	÷.		41	, 6	

Saltpetre, which occupies the least space, is the best, and linseed the worst freight for a ressel, saltpetre at 41 10s equals, as regards space occupied, sugar at 51 0s 7d, nce at 51 8s 5d, and Inseed at 60 15s 10d Generally on the average linseed in this market rules 5s over nce, nce 5s over sugar, and sugar 5s over saltpetre, whence it necessarily follows, that by taking saltpetre as dead weight, and filling up with jute, forms a good easy cargo, and occupies all the available room in the vessel, and realises more freight than by loading, as is generally done, one fourth saltpetre, one-fourth siger, one-fourth nce, one fourth linseed, and the remainder light freight for example, a vessel of 450 tons' register, presuming it to carry 700 tons of 20 ewt (her draft when thus loaded is about seventeen feet), her hold then contains about 40,000 to 41,000 cubic feet, the difference effected by the different modes of loading will be, viz —

Tons	Feet	Iq £ s d		£		
125 Saltpetre, occupying	4 312	6 at 4 10 0 per tou	equal to	562	10	0
12.5 Sugar "	4 822	11 4 15 0		593	15	0
125 Rice	5 197		,	62.0	0	0•
125 Linseed	6510	5,5 50		656	5	o
<u> </u>						_
500 dead weight occupying	20,843	9		2437	10	0
200 { of 20 cwt of 298 cubic tons of light freight, occupying	14,900	0 at 4 10 0 per ton	equal to	1941	0	0
——		-				-
700 of 20 cwt , occupying	85 748	9 giving a gross freig	ht of	3778	10	0

By loading a vessel in the above manner, a gross freight of 3778l is earned, and about 5000 cubic feet (or the balance of what the 700 tons occupies, viz, 35,743 feet 9 inches, and the ships hold) are wasted, it being impossible, the vessel having 700 tons of 20 cwt of cargo on board, to fill up the same, as she then, as before stated, draws her seventeen feet By loading a vessel, however, as follows, not only is such space fully occupied, but the freight list also shows 253l 10s plus

Tone 300 Sultpetre occupying 400 of 30 cwt jute reckoned as above	10 8.0	In £ s d Oat 4 10 0 per toa O, 4 10 0	equal to	£ 1350 2682	
·					
700 of 20 cwt, occupying	40,150	0 giving a gross freigh	it of	4032	00

CALCUITA

"It uill thus be seen that it is from the homeward, and not the outward, cargo uhence the profit on the woyage is to be made, and that a few shiftings a ton on (or even a proper selection of) the reliar freight uill often go fur to counterbalance the whole amount of the outward earnings"

One of the great objections that owners of ships have to consigning their vessels to Calcuta, arises from the heavy port dues that are incidental to the Hooghly, and which in many cases have, especially on small vessels amounted to no less than 20s per register ton. These are charges incurred by a vessel whilet in this river, and until a more adequate supply of the stemers are brought out it will be impossible to obtain any material reduction in the rates of steam have and plotage.

In order, however, to illustrate how deeply interested some of our shipping friends are in the adequate and further supply of steam tugs, whereby the port charges can alone be reduced, we will take the case of a ship owner who has five vessels, of 600 tons each, proceeding to this river, and who, for port charges alone, has annually to expend thereon no less a sum than 30,000 Company s rupees or 3000/ sterling — Calcuta Report, 1847

		INTER	MEDIATE OR BE	OKEN PILO	LOG	
DRAUGHT	Full Pilotage Co # Rs	1 12th Co s Rs	2 l2ths Los Rs	3 i2ths CosRs	4 12ths Co e Re	5-12ths Co e Re
OP WATER	Inward Outward	Inward Outward.	Jaward Outward	Inward Outward.	inward Outward	laward Outword
Hader 8 feet 8 to 1 9 to 10 10 to 10 10 to 12 12 to 13 13 to 12 14 to 1 1 to 16 1 to 17 1 to 18 1 to 17 1 to 18 1 to 18 1 to 17 2 to 24 2 to 24	150 140 1 0 15 203 240 273 240 273 240 376 4 0 429 4 0 429 4 0 450 540 540 600 10 650 14 700	10 10 10 10 10 10 10 10 10 10 11 10 11 10 12 10 10 12 11 10 12 11 10 12 11 10 12 11 10 12 11 10 12 11 10 12<	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 9 9 105 4 105 6 117 0 120 0 13 6 14 0 150 4 147 8 162	I I< I<< I<< I<< I<<< I<<< <thi<<<< th=""> <thi<<<< th=""> <</thi<<<<></thi<<<<>	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

4 0

	6-13	the s	_	~	2chs		<u> </u>	8-12ths				9-18ths			10-12ths			j.	,	1-1	2tha		
DRAUGHT	60 .	Rs		Co	s R	R	L	c	0. 5	Rs		1	>0 s	Ra.	-	C	0 s b	ts	_[- (e Rs	
OF WATER	Inward	Outwar J		LIWARD		Outward		loward		0.000		Inward		O ILWARD		Laward		Outward		Inward			Outward
Under 6 feet % to p J to 10 10 to 11 11 to 13 13 to 13 13 to 14 14 to 13 15 to 15 16 t 17 15 to 15 16 t 17 17 to 18 18 to 29 19 to 20 19 to 20 11 to 23 11 to 23 12 to 23 13 to 23 14 to 23 15 to 23 15 to 25 15		40 60 90 103 120 147 210 23	164 75 899 644 15 11 15	10 13 13 10 10 10 10 10 10 10 10 10 10	8 81 8 105 1 2 1 40 1 69 2 10 2 45	1003400080080008 100340008008 10034008008 10034008 10034008 10034008 10034008 10034008 1003408 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1003808 1008800000000	100 113 153 160 213 240 240	0000	4+804111 3344	60 6 99 4 10 6 13 6 13 6 20 0	0004004004	37 80 97 1127 122 127 122 240 7 315 316 5 405 142	0	60 4 90 4 120 10 120 10 13 10 13 10 13 10 147 10 10	0,00	10 10 10 10 50 00	8 6 8 10 4 14 6 13 9 13 9 13 9 13 9 13 9 30 9		0.100	5132818 318 5 2 0 0 0 13	44804449480604	1 12 20 63 1 330 351 130	50,100 Se 1300 300 1

PRIOTIGE chargeable on Vessels-(continued)

IL TUNY SALTE OF BRAKEN BULATIA

The pulotage of the Hooghly Raver is divided into twelfths, for the convemence of charging intermediate or broken pilotage, viz from sea to places short of Calcutta, and from and to intermediate places, as also for the purpose of the proportionate deduction being made when vessels are tugged by steam any portion of the distance

The following shows the number of twelfths chargeable between the several stations -

INWARD PROPORTION	Rates Charged	OUTWARD PROPORTION	Rates Charged
vaou saa To Sauger To Keij ree To Kuipee Jo Hi mond Harbo r Jo Fuisi or Moynpore. To i alutta -fuil pilotage	6-12 hs 8-3 ibs 9-13ths 10-13ths	FROM CALCOTTA To Moyapore or Pultab To Diamond Harbour To Culpee To Sageree To Sagere To Sager	nmoont

Moyapore Magazine Duty-chargoable once for tach voyage on a vessel passing Moyapore inward - one anna per ton on registered tonnage, and vessels drawing under eight feet draught of water are exempted

Light Duty-the duty is leverable every time a vessel enters the river, except returning from stress of weather-two annas ditto

Row boat-inward-Company s rupees thirteen per diem

Ditto	outw	ard			

From 1st of April to the 31st of July	700 tons and upwards	Co's Rs	128	
· · · ·	500 to 699 ,		102	
	300 to 499 ,	**	76	
from ist of Aug to the 31st of March	700		89	
		,	76	
	\$00 to 499		51	
Row boat at Hooghly Point, per diem				
teen bout at a second of a second	n [.]	36		

- . .

If the harver is used in assisting a vessel in danger or ou shore per diem 26 N B Vessels under 300 tons are exampted from the attendance of a row boat in aid of the plotage unlies one is required by the commander

	-					
Тне	HIAL	OJ.	THE	CALCUTTA	CHAIN	MOORINGS

All vessels	up to 199 tons	Co s Rs	2 per dien	1
	from 200 to 299		s ⁻ ,	
	300 to 399	.,	4,	
	400 to 499 ,	,	5	
	500 to 599		6	
•	600 and upwards	,	7,	
Swing ingmoorings	-	,	з,	

N B No vessels above 300 tons burden can be hauled to the swinging moorings

Hunding to or from the chain moorings cach operation	Cos Rs	26
Ditto ditto swinging ditto ditto		26
Ditto from or under lours ship of 250 tons and upwards	,	52
Ditto ditto under 2.0		26
Pe-mooring	,	26

HADLING IN OR OUT OF DOCS, A"D ON OR OFF THE SLIP OR WAYS

If above 300 tons each operation	Co s Rs	40
If of ar under 300 tons ditto		20
I or the use of the buoy huding into or out of dock	,	}C
Riding at the said buoy per diem		3
transporting vessels (when not at the chain moorings or not going		
into or coming out of dock) from Sulkea to any part of the river		
not below Kidderpore	,	2 5
Transporting any ship, after having been moored from one mooring		
to another if at the request of the owner or commander	,	50

Diamond Harbour —The same charge is made for hauling to and from and occupying the moorings at Diamond Harbour as exists in the Calcutta moorings. Hire of Steam Lessels for Tagging - 300 rupees or 301 a day with 151 gratinty, in the shape of return hire.

ABSTRACT of	Charges,	Losses,	and	Profits	of	the	Calcutta	Mint,	m	1844-5,	the
last Account.											
						_			_		

				_					
DESCRIPTION	Amonut	Amo	a s e.		DESCRIPTION	Amount	Amo	haiat	
(10 nett profit Sil er Cupper	78 8 p 3 232 1 1 0 1 40 92 7 1 2 21 386 14 /	78	•		Nett charges and loans Nett profit	74 a p 2 58 497 15 9 3,05 021 2 11	TØ	0	р
cifler	111365 14 /	5 63 62	32	8			5 63 23	2 2	8
TOTAL Company s	ri pees	5 6 5 5 23	2 2	8	TOTAL Company e:	rupeea	63 523	8 3	8

DESCRIPTION	Atsour	nt _	Amour	ot	DESCRIPTION	Amoun	t	Amous	
u pans a gold moburs	л	a p	11,984	e ;	. Value in Company a ru	н	a p	19	• P
ib) rupers					Dece			170,00	0
- b lt ditto	80 4 9					27482199	00		
i ut r ditto	14 13 051				Ditto	4().39	8 0		
- ughth drite	7 24 748	0 6	4		Ditto	3 64 770	4 0		
í			ł		Dut	90 1.3	8 0		
6		_	3 01,37 307	0	0			2.83 35 689	4 4
(ompany s pice			11413	0	0 Ditto			4 25 059	9 3
TOTAL TALK			5761 104	Ű	0 TOTAL VAL e is Co	meany s ca	poes .	2894 421	13 :

COINAGES in the Year 1844-5

A R 8	Personal and the second						YLAR.	and Allowances Mastor Assay Supernatondest achloery &co	y Retublichment utingencies of Se y of the Mint Committee	Expense of the Mint Bs tablishments	ies of Mint of Stores	ent and Con Many Office	urge which is in covered by a from Coinage shole Period				
¥ B	Value of G into th	Value of C withdrawn Mi	Value of Si fato th	Votee of S withdrawn M	Amount of	COLD COINS	GOLD SILVER COINS COPPER COINS				Salarries are of Must M Master Su of Macli	Malary Ratubili and C utingencie crutary of the Committee	Expense of tablud	Contingencies Office Cost e	Ratablishment tingencara of As	Toral Churge more than co the Profits from on the whole	
	Co s Re	Co s Re	Co s Re	Co 4 Ra	Co s Ra	Single Mohurs,	Rupter	Half	Quarter Rupes.	Quarter An	Pie	Co a Ra	Co . Rs	Co sRs.	Co sRs	Co sR#	Co sRs
183132	21,58 358	92 36 792	64 84 735	89,68 \$35	73 43 500		\$6 93 111	13,66,289		2 .0 33 238	94 69 000	64 100	[8,120	1 00,681	46,984	9 751	2,28,786
1832-33	27 32,596	20 43,475	1 13 35 386	1 03,13 654	1 10,19 179	3 48 189	79,96,917			{ 20 63,693† 1 53 66 302 }	53,74,615	60 039	11 170	1 07 748	31 760	8 749	3 20,38
183384	32 35 249	30,39 934	1 83 29 466	1 64 76,197	1 59,42,817	155 191	1 04 84 306	29,54 869	4 15 269		224	54 602	7 589	1 13,768	20 004	8 127	\$ 14 045
1894—\$3	1774402	20 17,578	1 20,62 585	1 48 79 600	1 52 26 027		1 18 70 253	13 97 985	29 81 410	{ 11 03 420+ 8,,06 81,	64 69 965	92 768	0,586	1 18 185	40,294	7 335	2 70,410
183 36	14 11 042	13 21 540	2 23,10 139	8 020 8 نېگۇ 1	1 77 03 154	{ 1174 G8,649 }	1 .7 58,807	ā 91 380	9 21 83 0	1 \$4,65 60.	15,97 976	73,049	17 483	1 20,167	42,615	7 61 1	3,65 49
1835-37	2,72,862	1 81 141	2 70 78 913	3 01 7 1 001	8 00 97 447	4 543	2,84 63 012	17 94,825	18 15,512	92 80 000		79 489	10 149	1,85 027	68 214	8,836	3 10, 12
1837\$8	10,84 075	2 ~8 093	59د,16,16 8	2 14 90,402	2 16,64,900	19,951	1 87 08,780	22 21,033	42,37 498	3 64 98 000		73 620	9,368	1 25,839	47 993	7 401	3,64 22
185559	14,31,904	11 48 218	2,43 99 407	2 74,05 374	276 14 79	20 771	2 59 84 1 95	7,84 599	16 49,998	3,24 06 000	1	64 101	8 083	1,28,045	65 778	8 789	3 74 791
183940	94 75,027	17 94,370	2 32,86,696	2,22,11 4.32	3 28 95,825		2 01 18 274					71 560	10 235	1 23,000	75 661	5,510	2,80 896
1840-41	4 02,900	92,70 199	2,10 17 253	2 19 48 0 11	1 74,61,680		1 57 61 197	5 83 184	14 15 960	9 23 03 139		58,849	9 030	1 29 393	65 786	8,908	2,39 909
1841—42	2 22,001		2 51,34 069		1		2 51 26,262		2021	5 37 70 169		48,529	9 260	1 21 956	61 554	3,857	2,44 541
1642—13	61081		2,22 59 941			l	1 92,50 680			1 43 71 590		71 979	19 741	1 16 126	42,860	4 035	2 47 740
1813-44	64 808	1,09,875	2,53 95 621				2 11 05 103	8 73 5-9	8 96,584	8 06,25 06 1	<u> </u>	69 078	10 490	1 18 755	65,387	4,015	2,67 678
TOTAL.					255 210 240												3,359 548

4654

1844 - 45DESCRIPTION Value Value rupees. 2,83 605 **Rupece** What duty as shown in a parate statement For enting sy e siver from Chun Gain on copper comage 1 033 91,869 Total reten as Ansant of charge of a safaties and contingencie I so by waiting on the other conner Ditto on the coupper data 3 76,507 2 28 190 27 390 163 2.56.073 Drd ct---Amount realised by the sale of unserviceable stores 3.674 2 /2 399 1 44 108 Nett revenue

AN Abstract Statement of the Revenue and Charges of the Bombay Mint in

An abstract statement of bullion received for coinage in the Bombry Mint in the years 1844-40 --

Gold - For coinage for the East India Company 12061 rupees for coinage for merchants, 3 483 rupces

Sher - For comage for the East India Company, 22 70 962 rupees for comage for merchants 14176 + 00 rupees must due to per cast on the silver and one per cent on gold for comage for merchants 243,600 supees

Statement of the copper comage in the Bombay Mint, in the years 1844

Half anna pieces 51 18 400 nominal value, 1 59 950 rupees cost of the copper 68 081 rupees gain to sourcament 91 869 rupees

An Abstract of the Revenues and Charges of the Madras Mint in 1814-45

DESCRIPTION	Value	Value
S ignorage Gain on copper coin ge	ropees 1.) (92 1 39 -05	rupees
Total revenues lotal charges		1 39 187
Nett revenue		33 174

The gold and silver coinage in the Madras Mint, in the years 1814-45, was as follows -

Value of gold counced 83 595 rupees value of silver counced 31 72 358 rupees the seignorage and relinage duty received, 81.00 rupues

The copper counage in the Madras Mint, in the years 1844-45, was as follows —

Half anna pieces 47 84 000 quarter anna pieces 55 40,000 single pie pieces 5 31,000 nominal value of the three 2,35,703 rupees value of the copper, 96,198 rupees gain to govern mont 1 9,00 rupees

An ubstract statement of the charges of the Madras Mint, for the years 1844-42

	Rupees
Salutes of the mint muster and of eachly hopents	14 204
Mint contingent charges	38 470
My hinery and repairs	77.3
1 sy office and charges	30 971
Wint committee office	4 440
Total charges	1,20 913

ORIENTAL COMMERCE

MADRAS

MADRAS 15 the capital of the presidency of the same name. It is the principal place on the coast of Coromandel, and situated in Lat 13 deg 5 mm N, Lon 80 deg 21 mm E. The area of the presidency is about 172,000 square miles, with a population, according to the census of 1836-37, of 18,314,000, paying a gross annual revenue of above 5,000,000l sterling

Madras is situated in rather a sterile and a sandy part of the Carnatic It has no harbour, and ships ride off the coast exposed to the swell of the ocean, and landing is only effected through or over a surf that never rests, and across a rapid current Typhoons, or hurricanes, are also experienced No place can be more inconvenient for trading purposes. It oves its importance to its fortifications, and its being the capital of the presidency, which has gathered within and around it a population variously estimated at from 180,000 to 400,000. The latter must include the Black Town, situated to the north east of the fort Several native Armenians, & c, reside within the latter. Madras is very unequally built

It has been in the possession of the English since 1639

In the roads ships moor off the shore at from seven to mine fathoms, with the flag staff of the fort hearing $W \times W$, two miles distant From October to January storms and typhoons prevail, and from the 15th of October the flagstaff is struck, as a signal for ships not to anchor, tall the 15th of December The fort light house is minely feet above the level of the sea, and may be seen at seventeen miles' distance, or from the mast-head of a large ship twenty six miles The Massula boats employed to cross the surf are large and light, constructed of thin planks sewed together, with straw caliking, and are plued forward with the utmost vigour to prevent the wave from taking the boat back as it recedes, until at length, by a few successive surfs, the boat is thrown high and dry upon the beach Boats belonging to ships in the roads sometimes row near the surf, and wait for the Massula boats. When it is dangerous to land, a flag is howsted at the beach house

The fishermen and lower classes use a catamaran, formed of two or three logs of light wood, eight or ten feet in length, lashed together, with a piece of wood inserted between them to serve as a stem piece. When ready for the water, they hold generally two men, who with their paddles impel themselves through the surf, to carry water, &c, in small quantities, to ships, when no boat can venture to land or put to sea

The imports and exports of Madras are stated in detail in the statistical tables given in former pages of this work. Those tables exhibit the different countries with which the trade and navigation of this presidency is carried on

MADRAS

MONETS WEIGHTS, AND MEASURTS — Mercantile accounts are kept in Standard Rupees Fanims and Cash the coin chiefly current heing Star Pagodas of the intrinsic value of 7s 54dbut usually taken at 8:

ABCOT and COMPANY 5 RUP	LES AND THEIR SUBDIVISIONS
50 cash == 1 tanam	84 rupees or 42 fanams = 1 pagoda
12 fan == 1 rupee	15 rupeus = 1 Madras gold mohur
WEIGHTS	MEA LEES
10 pagedas = 1 pollam = 1 oz 4 dr	4 allacks = 1 puddie
40 pollams or seer = 1 vis = 3ibs 2 oz	8 puddies = 1 marcal = 750 cubic inches
8 vis = 1 mand = 2.5 lbs	5 marcals = 1 parai
20 maunds = 1 candy = 500 lbs	80 paralis = 1 garca = 171 impl quarters.

When grain is sold by weight, 92,64 lbs are reckoned for a garee

In most parts of the Madras Jaghire, and on the Coromandel coast, the following is used --

TABLE OF MALABAR WEIGHTS

$10 \text{ varihups} = 1 \text{ pollam} = 1 \text{ oz} 3\frac{1}{2} \text{ dr}$ 40 pollam = 1 visay or vis = 3 lbs 0 oz 4 dr	20 manungus =	1 baruay or candy	= 482 ibs 8 oz
$\begin{cases} 0 \text{ yisal} \\ \text{or yis} \end{cases} = \begin{cases} 1 \text{ manungus} \\ \text{or maund} \end{cases} = 2 \text{ lbs } 2 \text{ oz}$	20 bars 📼	l guray	= 96 .0 lbs

Locat. Whereas contrastic were trues or the other Parsinskett's with the location S_{1} and S_{2}
Users is a Bank et Viadras und a Chaniber of Commerce a Nidras Equitable Assurance Society beides the Agencies of the following officer viz the Hudostan and Attis Companies of Calcuta Vessis Arbothnot and Co. the Calcuta Office and Bengal Society of Calcuta Messes Arbothnot and Co. the Calcuta Office and Bengal Society of Calcuta Messes Fourier of Bombins Messes Boney and Co. the Placenx Company of Calcuta Misses Criftins and Co. the Amicable Office and Universal Company of Calcuta Misses Control Society and Co. the Calcuta Company of Calcuta Misses Landridge and Co. the Calcuta Company of Calcuta Misses Landridge and Co. the Calcuta and Commercial Company of Calcuta Misses Landridge and Co. the Calcuta and Ocean Marine Companies and the Sun Office of Calcuta, Messes Parv and Co.

The rates of premium in insurance are about as follows -

From the port of M		I rom the port of Mad	ras to	
Masulipatam	1 to 14 per cent	Malacca or Singapor	e	2 per cent
C ringa	1 14 .	China		3
Viza_spatam	1 13	Colombo		11
Calcutta	14,2,	Malabar Coast	11 to	2
Amherst	2	Bombay	-	2
Penang	1	London		24

At the period anti-redent to the late peace the following were the principal merchants and agents with correspondents in Logland —Amaine & Co. Arbuthnot & Co. $^{+}$ J Barrow & C. $^{+}$ function & C. $^{+}$ Grand Markov & Co. Griffiths & Co. Hill Smubridge Co. Hill Smubridge Co. Hall & Phillips Line & Co \uparrow Ouchterlony & Co. Parry & Co. Smith Girk & Co.

RATES OF AGENCY AND COMMISSION

On the total sum of a debit or credit side of an account, at the option of the agent excepting	
trem on which a commission of a per cent is chargeable	1
On effecting remittinges or purchasing selling or negotiating bills of exchange	1
On rec will, and denvering private commissions of wine cattle and merchandisc	24
On letters of ciedit granted	23
On automistration to citites of deceased persons	5

Agent to royal navy
 † Agent to Commissioners of Cieenwich Hospital
 ‡ Agent
to Eloyd

ORIENTAL CONMERCE

On the management of estates for executors and administrators or becoming security for	
them	
On debts when a process of law or arbitration is necessary	21
If recovered by such means	25
On bills of exchange notes &c disbonoured	1
On over due debts collected for absentees	1
On all sales or purchases of goods	24
With the following exceptions —	5
On sale and purcha e of houses lands and ships	
On ditto of diamonds, pearls and jewellery	25
On ditto of treasure and bullion	21 21 1
On all goods and merchandise withdrawn, shipped or delivered to order half commission	1
On all other descriptions of property for sale if withdrawn or otherwise disposed of by the own	
half commission	nçr
On goods transferred to auction or commission salesmen hulf commission	
On guaranteeing sales bills, bonds, contracts for Loods or other engagements	~ 7
On ships-disbursements	25
On chartering ships or engaging tonnage	21 21 21 21
On advertising as the agents of owners or commanders of ships for freight or pas enters on	21
the amount of frught and passage-money, whether the same shall pass through the	
agents hands or not	
	5
On effecting insurance or writing orders for same	<u> </u>
On setting losses, partial or general, and returns of premuum	1
On procuring money on respondentia wherever payable On making up or purchasing goods to order, where lunds are not provided	2
On making up or purchasing goods to order, where tunds are not provided	74
On giving orders for the provision of goods, when a commission is not char, table on sale or	×.
shipment	23
On attending the delivery of contract goods	2

DISTANCES FROM MADRAS

	DISTANC			
PLACES	British PLACES.	Miles PLACES	British PLACES	B itish
Adonf N W	Bio Chingleput S W	30 Kirker	6"0 Ragagore	Mils
Abtoor	186 Chittledroog WNW	348 Kurpool	2 IRuicpor	350
Aimere NNW	12/2 Chilloor	or Kurnaul	14 7 Rutrumpore N S	103
Acta N	1238 Chinur	1146 Labore N N W	1675 Ryacottab W & W	179
Alishabad N	1151 Cochin	43 Madapollum N	31 balem 5 W	217
Allepes	4.0 Columbo (Ceylon)	564 Madetra S 5 W	292 Saharanpore	1427
Amadebad N W	1050 Lomercelly	1197 Mangalore W	4.th Sedres	56
Anautapore	293 Cotampully	59 Mas lipstam NN B	255 amulcottah	809
Arcot W S W	II (simbatore S W	315 Mirappore N	1125 Saugor	264
Arner	81 Combarn N N W	223 Moorshedabad N B	1138 bankereyd oog 8 W	245
Aur ugabad N W	490 Combaconum S.S W	1) Muctul	34 Sattar h NW	609
A appahy	289 Comorin Cape W S W		290 St undershad	898
Azimghur	1220 Condapilly N	365 Nacricul	300 Seringapatam W	281
Backergunge	124C Conjayeram W S W	46 Naggery W N W	57 5 dasbugur	664
Balmero	9 Carab North	1080 Nagote S	182 Scrampere	1081
Banda	1102 Cuddalore SSW	110 Nagpoor N	718 Sbabjehaoporo	132.)
Baucapore WNW	4) Cuddapab N W	166 Narsingapatatn N E	710 Sh ally	150
Bandamalanka N N E		115 Deermal	530 Shoreater	2 58
Baugalore W	203 Darga	1250 Negapatan 8	1s Serah	259
Barielly	1329 Delbi N	1372 Nellore N N W	111 SITE D	2549
Bi reackpore	1079 Destab Dhoon	1492 Nowghum	782 Sushaba I	1367
Bedur NNW	470 Dbarwar	48 Nandedroog N N W	190 St olapore	034
Bedner W	445 Dhanger	424 Oogera NNW	1009 Sice collam N	267
B lesuin	519 Divapore,	1373. Oo inderpet	131 Sully or Tatto NW	1467
Bellary NW	316 Diadigut S W	2 0 Charlsoor	400 Stronge N N W	365
BLBarts, W	list D wintabad NW	6551Ootanarmund	338 St Thomas & Mount	303
Berhampoor N N W	68 Pluchpeor N N W	73° Ungole, N	18) Surat N W	830
Bezoarah	arstEttore N	31 Dude N	1214 Subatheo	1577
B mlapstam	Sta Errode	Al Palamcottah SSN	990 Svih (1395
Bi tangur N N W	38(Fthawah	1921 Palamyeram	11 Daplore W.S.W	212
Bombay N W	76. Galle Point de (Ceylon)		1299 Tellicherry WSW	411
Broach N W	94, Gaojam NNS	609 i suighautcherry S W		351
Burdwan	1066 Ghoonty N W	20'ril apiout	(42) To nevelly S.S.W.	390
Cabul N N W	2134iGoa SSW	573 Penalt	404 Toomkoor	236
Calcutte	10r2 Colconds N N W	35% Pondacherry S S W	98 Tuniook	1034
Calicut W S W	418 Gopsalpore	689 Peonsh N W	69 Trincomalles (Cevion)	426
Calberga N H	422 Gunteer N	25 Poonamaller W S W	12 Trivandrum	483
Cambay NW	998 Gurramconda W N W	149 Poundy	624 Tranquebar S	168
Candy (Ceylon)	576 Gwallor N	1164 Porta Nova	129 Trichinopoly 5 S W	100
Cannanore W S W	419 Hameerpere	142 Pondigul	286 Tripassore W	30
Canoge N	1141 Hoppine	840 Pobus	1910 Tutacorin S S W	424
Caragooly S W	49 Horroor	177 Puncah	1302 V Hore W	86
Caroor	238 Harrybur W N W	393 Pulicat	30 V slaporo, N W	534
Cashmore N h W	1892 Hyderabad N N W	398 Qu ion	454, Vizagopa am NNE	501
Cawnpore	1200 Indore N N W	975 Hachore NW	34 Vencatagherry	132
Cuttack N R	Stolligeram N N B	3"4 Ray himundry N	373 Visiansuran	52.3
Chanderhan, WN W	Qifugacoudsh N	2"3 Rumnal	361 Wallaudund S W	38
Chandegherry, W N W Chatterpoor N	975 Jauluah	651 Raolcondah NW	392 Warningola N	414
Cheitore N N W	1065 Jaugurnauth N B	766 Ramapatam	137 Yelwall	939
Chicacole N N W	567 Kamptee	792 Rhotuck	1422	3-32
Curcecou IN IN	ant language			

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BOMBAN

BOMBAN, the capital of the presidency of the same name, or of Western India, is situated on a small island, in Lat 18 d_{\odot} 56 min N, Long 72 deg 57 min E A deep arm of the sca running between Bombay and the main hind, sheltered from the surges of the ocean by four other islands, forms one of the most safe and best harbours in the world

When taken possession of by the English in 1664 its population, consisting chiefly of outcasts, did not exceed 15,000 inhabitants. The present number is stated at about 240 000, chiefly Hindoos. The British inhibitants are very few in number. The native Parsees and Portuguese,—the Arabs, Jews, and other races, who resort to, and live in, this city, constitute the remaining population. The Parsees, of all the Oriental ruces, are the most enterprising, and hold the highest position.

The docks are commodious, but for repairing ships expensive The ships built here, chiefly by the Parsees, are excellent vessels, but the expense of construction enormous, as they are altogether built of Malabar teak. They are probably the most durable ships in the world. But there are fewer built here than there were formerly. They are cluftly manned by Lassars

The port charges are pilotage, anchorage, and buoy duties The trade of Bombay with all places will be found stated in detail in the preceding tables of the commerce of the presidency

If the projected railway from this port to the interior were completed, the trade of this capacious and admirably situated port, would no doubt greatly increase. There are several excellent institutions, periodical publications, newspapers, benevolent, and other societies established in the etty, the detuils of which are too lengthy for us to introduce.

Besides the banks of the town there are branches or agencies of other banks, insurance offices, and brokers, a mint, libraries, &c

The rise and fall of tide is from thirteen to sixteen feet. The docks were constructed for the repair of the largest ships by the Last India Company. They are, we believe, now in the charge of Parsee superintendents and shipwrights.

Rates of Commission in Bombay-On the sale or purchase of goods of all denominations	
((Acept as under) per cent	-5
Purchase of all kind with the precedent goods sold and on which a commission of five	
for cont has be a previou by charged	24
The sale coporchase of hips houses and lands	24
The decomparisance of optimal	4
The design take of diamond gend and jewell ry of all de criptions	21
The side or purchase of treature or bullier exclusive of one percent on receipt of the	-
preceds	1
I recorning free fit	5
	24
Suppose treasure bull on and jewellery	1

ORIENTAL COMMERCE.

Ship's disbursements when no commission has been charged on freight or cargo per cent	1 21
Effecting insurances Settling insurance losses whether partial or total also on procuring return of premium	, <u>*</u>
exclusive of commission on receipt of cash	1
Del credere or guaranteeing the responsibility of persons to whom goods are sold on the amount of sales	e 21
The sale or purchase of cattle	54 24
Collecting bouse-rent	$2\overline{4}$
Effecting remittances by bills of exchange (not being the proceeds of goods sold)	1
Taking up interest bills from the Company (exclusive of one per cent on remiting)	Ŧ
Sale or purchase of public or private bills of exchange	1
Exchanging Company's securities of all descriptions or investing money therein and on	4
transferring government paper from one constituent to another	2
Surrendering or depositing in the treasury Company's security of all descriptions	_+
Procuring money on respondentia or on loan	2
Recovery of bonds or bills for absentces, over-due at the period of their being placed in the possession of the agent	2
Debta, when a process at law or by arbitration is necessary, 24 per cent and if recovered by	e
such means	5
Managing the affairs of an estate for an executor or administrator	5
Guaranteeing bills bonds or debts in general by endorsement or otherwise	7
Attending the delivery of contract goods to the Company or individuals	1
Goods consigned and afterwards withdrawn, on invoice cost	21
Bills of exchange returned noted or protested, &c.	1
Receipt of payment (at the option of the agent) of all moneys not arising from proceeds of goods on which commission has been previously charged	1
All cases where the debtor side of the account exceeds the credit side, including the balance	
of interest, commission chargeable on the dubtor side at the rate of	1
Granting latters of credit	$2\frac{1}{2}$
Becoming security to government, or public bodies, in any case	3F
Goods consigned which are disposed of by outcry or sent to a shop on nett proceeds	21
Depositing government paper as security for constituents	1
· · · · · · · · · · · · · · · · · · ·	

Buoy and Anchorage Dues

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BURDEN	Rate per Annum
	rupecs
All ships and vessels, or boats, not receiving pilots From 10 to 20 to a	3
Above 20 to under 30 tons From 30 to 50 tons	6
Above 50 to 100 do	20 25
100 to 100 do 150 to 200 do	30
200 to 250 do	34

CHARGES for Pilotage

DESCRIPTION	Fair Season	Monsoons
	Inbeas)	rupeva. 140
A ship of the has or 50 guns	100	140
A frigate or sloop of war	1 3	100
Square rigged vessels of all descriptions -	1	
Above 40 to 300 tons	50	~5
., 100 to 400	55	89
400 to 500	50	53
500 to 600	65	-00
. 600 to 100		5
"00 to 800	75	100
800 to 900	80 1	195
	1 85 1	110
	90	115
	1 95	120
1900 and unwards	100	125

Note -- Foreign ships of war are to pay in addition to the above rates, 40 rupees

LIGHT HOUSE DUIS -All ships and vessels down to twenty tons, at 15 rupees per 100 tons per annum

All vessels under twenty nine tons burden, at 2 rupees per annum There are no other port charges

Mineru Heght and Weauere - Accounts are here kept in rupees each rupee beng dowled to do quarters and each quarter toot 100 reas. The rupee is also divided into 16 annas, or J0 pice. An urdee is 2 reas a door to 6 to each quarter and each quarter pices with a gold mobul 5 to rupee. Of these the annas and reas only an imaginari money. The cours of Bombay are the molur or gola rupee, the silver or Company struger and their dowled mote silver and stellay to the urdee, and sterling value of the pices tool and the rupees. The cours of Bombay are the urdee, and sterling value of the pices and pice is done and stellay to the urdee, and sterling value of the pices motion for an alter company struge the gola rupee.

	Gross Weight	Pure Mctal	Sterling Value
	grs	grs	8
Golc mohur	180	165	29.2
Company's rupee (silver)	180	165	1 11, if silver be taken at
s 2d an	oz and 2s 04d	if silver be taken at	t 5s 6d. per oz

The Company's rupce has only been counced since the 1st of September 1835 but it is almost identical in respect of value with the ruples previou by in circulation

The charge for converge in the Bombry Mint is Ψ per cast for gold and 3 per cent for solver, neucleuks the charges for relations. This modularity for this must was sent out: from Langland a twy yer igo and a complete, but yers costly. At Bombry there are no banks, as at Madras and Calutty, and paper monops is unknown in merantic transactions.

Weights and Measures --- The weights and measures used at Bombay are as follow ---

Gold and Silver Weight	Grain Measure
1 wall == 4 475 grs	lbs oz dr
40 walls = 1 toia = 1.9	2 typprees = 1 seer = 0.11 9.2
Pearl Weight	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
1 tocka == 0.208 grs	o paratis - i candy - 500 12 12 0
133 tuckas = 1 ruttce = 3	Salt Measure
24 ruttees $= 1 \text{ tank} = 72$	cubic inches
Commercud Weight-Avoirdupous	104 adownes = 1 parala = 1607 61 100 parala = 1 anna = 160761
lbs oz dr	10 annas = 1 rash = 2.572176
$1 \tan k = 0.0.2488$	The anna weighs 21 tons, and the rash 40 tons
72 truck = 1 seer = 0.11 - 3.2 40 cm = 1 maund = 28 - 0 - 0	Liquor Measure for Spirits and Country Arrack
These weights are used for all heavy goods, excepting salt	equals 1 lb 8 oz 8 dr and 50 secrs make the mound
	Long Measure
	16 tussoos = 1 hath = 18 English inches
	24 tussoos = 1 guz = 27

RIVER STEAM NAVIGATION OF INDIA

The projected railways which in time must be executed,—the canals which have been to some extent ex cuted,—and the late successful nitempts to navigate the rivers of India, are the great means by the aid of which the great sources of India are to be developed. And we trust that during the period which remains unexpired of the Lest India Company's charter, the Directors and the Board of

ORIENTAL COMMERCE

Control, will decide upon measures, which will fully justify the Parliament in renewing that charter

The Ganges, and in the intricate channels of the Sunderbunds, are now suc cessfully navigated by long, flat, strong, and remarkably buoyant iron steam vessels, some to carry goods, others passenger vessels, adapted to the navigation and clumate of India A very interesting account of this new mode of navigating the Ganges has just been written and published by Mr Albert Robinson, civil engineer, from which we have condensed the following passages. He had previously visited the United States, and examined the steam navigation of the western waters of America, and he proceeded to, and arrived in, India in 1643, and surveyed earefully, the Ganges, from Allahabad downwards. His friends in England, in consequence, formed an association to build in London iron steam ships upon his suggestion, to navigate the Ganges. He remained there until he established two of these vessels to his satisfaction on the waters of that river. He says,—

"It will be perceived by reference to the map, that the goods traffic to and from all the most populous and wealthy districts which lie upon both banks of the Ganges and Hooghy, between Benares and Calcuttr, named Asmgor, Gouckpore, Ghazepore, Sarum, Tiritoot Purnes, Dinajepore, Malda, Pubns, on the south bank, with a population of upwards of 15,000 000 and an area of 23,000 miles, and which include the cities and towns of Benares, Dinaper, Patna, Ghazepore, Busar, Chuprah, Bubilea, Mongheer, Bhaugulpore, Carragola-Ghaut, Rajmahal, Rampore Baules, Jellinghee, Gorase, Gomercallee, Koolns, Moorhedabad, Berhampore, Cutws, Nudys, must ever continue to be carried upon the Ganges

The Ganges -" The country through which it flows may be said to be one immense plain, the soil of which contains a very large port on of sand, and is of course easily acted on by running waters The bed which the river has formed for itself in such a soil is, as might be expected, tortuous or devious in its course, and of very irregular breadth and depth , being composed of loose sand, it is kept in constant motion, and the changes which occur in the depth and locality of the channels are incessant. The banks, too are continually undergoing change through the action of the water undermising them at one place, and forming new banks at another Flats or shallows intervene with deep narrow channels throughout the greater part of its course, and when the river is low, small shallow channels or runs are formed through or across the flats or sand-bars , and in one of these channels frequently is to be found the only passage for the navigation The width of the river when low is from a quarter of a mile to one mile and a quarter, when high, from one to three miles, and in some places it extends over twenty or thirty miles of the flat country The depth, when high is in the channels between thirty five and seventy-five feet, and when low between three and a half and ten feet The perpendicular rise of water in the wet senson at Jellinghee is about thirty two feet The Bhaugruttee, though called a river, is a side channel or mouth of the Ganges, and through which the navigation is performed in the high-water season, the width varies from a furlong to a quarter of a mile, and during the navigable season the least depth is from three feet to twenty-two feet For some months of the year it is not navigable for large vessels The Hooghly, which is a continuation of the Bhaugruttee, and through which the navigation is continued to Calcutta, although resembling in its general features the great Ganges, is less irregular and of easier navigation its depth is generally greater than the Gauges, and the width of the channel is satisfactory , at Calcutta, where it is a

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tidd incer, it is northy as well as the Thames at Gravesend The Soonderbunds, through which the navigation to Calcutta his to pass in the low water season, are in fact, small months of the Ganges, flowing to the sea through a delta of fine sandy alluvial deposit, covered with a rank vegetation and jungle These channels are very numerous and reticulite with each other in the most extraordinary mannel, like a labyring the width sames from only fifty feet to a quarter of a mile and boing within the tidd action their dip his much the sime at all easons of the year and at low water is probably not less in the channels used by vessels than five tet their chief peculiarity is their currence or kedness and sharp bends.

The sea ons are the high water or inundation season and the low-water or dry senson the latter is unfortunately of the greater duration and extends over seven and half or eight months of the year say half of October, all November, December, January, February March, April and May, and sometimes half June the lowest months are April and May and in the other months there is a gradual decrease and increase The high w ter or wet season takes place in the four and a half months of June, July August, September and part of October The augmentation in the body of water is produced from two sources 1st the melting of the snows in the Himalayan mountains and elevated country, in which the Ganges and its tributaries the Jumna, the Gogra the Gunduck, &c have then sources the water derived from the snows reaches the lower parts of the river by June , and 2nd, the rains which fall of over the great plain of the Ganges during the months of June July August and September By October the surplus wate has been absorbed by the thirsty soil, evaporated into the burning atmosphere, or discharged into the sea , and the dry or low water senson sits in From March to June, the hot scason before the tams, Nor-westers sometimes occur these gales come on very suddenly and blow with great violence for three or four hours during which great destruction is caused among the native craft on the river. When the storm first commences the dust and sand are carried up in such vast quantities in some parts of the country, as completely to darken the air

The course of the navigation, starting from Allahabid downwards, follows the main stream of the Ganges at both seasons for a distance of 580 miles, to the point where the Bhaogruttee torms a separate ch unel

⁴ In the high-water season, the navigation is then by way of the Bhaugruttee for a distince of 133 miles to Nudva, where it enters the Ho glily In the Hooghly, its course down to Calcutta is survy-eight nules—total 737 miles

⁶ In the low-water season, instead of enterms the Bhaugruitee as above, the course of the navigation continues its way down the main stream of the Gringes, for a distince from Ail habad of 630 miles to the Gorace channel which diverges to the right or south vestward, through the Goraee and the Bainshee it pursues its course for 162 miles will hedelta of the Sonderbunds is reached. Through the crooked and many nimed channels such as Sonderbunds it runs for 220 miles till it unites with the Hos, high at Mud Point, below Calcuta 1 it then ascends the Hooghly to Calcuta by the Song-Linder, 1147 miles.

During the period of mundation the navigition presents lew difficulties beyond the force of the current, to vessels according the river, which averages a velocity of our mir in hour for the whole di tance and frequently at six and seven miles per hour, which at a lew points its velocity reaches eight miles an hour. The descent is of course facilitied by the current. At this season there is depth of water over the shallowed put of fine in it or a ressel of almost any draught.

For the greater part of the low water or dry season, the Grages is not nazeable for vess-bot much drught in many intermedite distances between towns upon its banks there i ampled ight of water, but over the shoals and sandbars the depth wrises form only three and a bill to five leet, and in a particularly dry season, even under three test. From the change oblenes of the shoals and trannels, and the interacty of the latter vesses of even kind are in constant dauger of running ground and nothing but the greatest orgine. Of the commander and pilot cur keep a steamer from incoming upon the sum banks from whence size is disloded with much exertion, and frequently idter great loss of time. Native boats griting upon a bink or shoal at this season, and when the river happens to be filling, are sometimes, from the want of energy of the native character, left high and dry upon the sand by the water receding, where they remain till the next rany season In descending with the current, the habity of vessels to run aground is far greater than in going up stream, as the npple caused by the bar or shoal does not discover itself so much upon the upper side as the lower side of the bar, and as the vessels progress with the current is so much more rand

^{ce} The velocity of the current of the Ganges is less at the d_i v than during the range season, the overage between Allahabad and Rajmabal probably not exceeding two miles and a half per hour. The only difficulties met with an navigating the Soonderbunds arise from the narrowness of the channel and the acuteness of the augles formed by in These obstactions, however, apply only to steamers in turning the bends. The tote governs the current, which is sluggish, and of course alternately flows up from as well as down to the sea

"Notwithstanding all the impediments which nature has placed in the way of the navigation of the Ganges in the low-water or dry season, it is still even then available for carrying on the traffic of the country to an extent that the resources of science and capital would find it no easy task to provide a substitute for

¹ Traffic —⁴⁴ At the Jungeepore toil on the Bhaugustice, the only point except C iculta where there is any return made the number of these vessels which passed way, in the year 1844—50,520 boats, the townage of which was upwards of three quarters of a million tons. The articles enumerated consisted of grain palse, sail, sugar indigo, coition, sailpetre, oil, seeds mangeos, wegetables, coals, line, fire-wood, staw, &c. &c. &c. In the above, no account is taken of vessels with government troops, stores, or ammuniton, nor of opum

"The number of river craft annung at Calcutta by the Soonderbund rivers, upon which toll was collected, in 1844, announced to 125,000 bonts, or an average of 340 per day,--totai tonnage of which is about a milhos and a quarter tons. The traffic at these two points alone added together (which it is fair to do) amount to upwards of 2,000,000 tons, or four times as much as the whole sea traffic in ships to and from Calcutta no account was taken of boats under the burden of twenty-erght manuds

"The returns from the Government Island Steam Department, in the same year 1844, gave thirty-nine voyages, carrying 45,500 packages of goods, besides treasure, and 2000 passengers, and show a return of upwards of 56,0004

"From Mirzapore, a great mart in the Ganges, it is reckoned that 18 000 tons of cotton, 2000 tons of sugar, 1000 tons of salipatre, 1500 tons of noi.go, and 1300 tons of shell he and lac-dye, era annually sent down to Calcutta, whilst there is received at Mirzapore from Calcutta, verity, 80L0 tons of metal and hardware, 5000 bales of twist, 3000 packages, British silk and cotton goods, and 10,000 packages of other piece goods

"The far greater part of the enormous traffic on the Ganges is carried on by means of the native craft

"The native boat is a strange, rudely constructed oraft, the roof thatched with barnboo and straw These vessels are from five to sixty tons burden, their length being from twenty-the to ninety feet, and beam nine to twenty-eight feet, with a draght of water of eighteen nucles to five feet. They are managed by a crew of six to twelve men, who allow them to drop laxly down the stream, perhaps with a little auf trom a scal and in ascending use the sail, the oar, or, when the wind fully, drag them with the trick lines attached to the mast, the men walking along the bank of the river. They are generally very leaky, and the eargo almost always suffers more or less from the leakness of the boat, the imperfect protection from the weather afforded by the roof, or the dishonest v of the crew

"They descend from Allshabad to Calcutta, a distance by the river of 800 miles, in about twenty days during the wet season, and from forty to sirty days during the dry season, stopping generally at night. The ascent, occupying from three to tour months ut all seasons. The lighter class of boats do it in about one fourth less the time. They are subject to such cassalities as getting aground, being wrecked, and sun, by the Northwest to oversetting in the rushes of the liver from mismanagement in tracking them up and to the thatch roof taking hre and destroying the cargo. These are the vessels by which the Gange's has been navigated from time immemorial, and no improvement would appear to have taken place in them Previous to the introduction of European commerce and when the articles requiring to be transported were of a less valuable, and some of them of a less perishable nature, they answered every purpose since that event, the requirements of the traffic have changed considerably, and experience has proved that notwith standing the low first cost of the native boat and the small expense of navighting them and consequently the low rate of filight, the conveyance of goods up the Gan es is them is both expensive and unsatisfactory while that of such produce downwards as indigo, sugar, and cotton, although less so, is still greatly and justly complained of The losses by piculation have been continually on the increase of late years, and the aggregate of this alone must be enormous, whilst the uncertainty and irregularity of arrival is such as to set at nought any commercial calculation Passengers are also conveyed by native bonts named 'budgerows ' these are principally used by the Europeans and the rich natives, and are comparatively few in number. They take nearly the same time to perform the voyage as the lighter freight boats

Indian Government Steamers.—" The Honourable Last India Company, with their usual real for the improvement of the country, very early sanctioned the introduction of steamboats on the Ganges Captain Johnston, the present comptroller of government stam vessels at Calcutt, and Mr Peacock of the India House in London, took an active part in this matter Captain Johnston brought the first steamer ever seen in India round the Captain Market and afterwards organised the government line of steamboats on the Ganges

⁴ Under the administration of Lord William Bentinck, un 1834, the steam traffic of the river was greatly developed by the establishment of a riggular line of steamers for the conveyance of government stores, troops, passengers, and merchanduse. But although the government of Indiv thus led the way, it was understood that it was not intioned to discourrage or restrict private enterprise.

Coal had then been discovered in settral places, and at Burdwan, sixty-three miles from Calcutta mines hid been opened and worked. This coal is, however, not so good as Britshe coal, the estimation being that it is only equal to seventy five per cent of New costle coal but it is highly probable that as the pits are deepened the quility will improve. The Burdwan coal is now brough to Calcutta by the Damoodie triver, at a cost of ticcity shiftings per ton, and to other places on the river at prices varying from explicient to there the sulfings per ton. The price of English coals at Calcutta is from thirty to thirty-three sulfings per ton.

The system of steam navigation introduced and continued by the Indian government, is that of placing the goods or passengers in small suprate vessels, and the steam engine and coals in another, which tures or tows the cargo-boat or prissenger boat as the case may be. The steamers or 'steam-turg' are generally of iron, and about 120 feet long' twenty-two breadto beam eight feet deep, and draw, when fully corted, from three to four teet of writer. The engines are from forty to nnet v nomical horses' power, and of excellant workmassing. The steamers are in fact similar to what were used on the Thames a lew years ago only shallower, and of fuller build. The vessel in which the passen, ers are placed, termed an accommodation boat. It is of similar dimensions with the steam turg and is fitted up with passengers calms, and a cuddy atliwartsing-dividing them it carnessonly prisengers and species, and light pack igo, and parcels to the torist work feet bean, and draws, when loaded about three feet in the schims or it e captain and abips officers only and takes no passengers.

One only of these vessels is tugged or driwn by the steamer at a time, so that the freight and the passingers are never conveyed together by the same steamer

The twin vissels are linked to each other at the bows and stern by a flat beam of worn which acts as a hinge, and serves also the purpose of a plank for the crew to passel to the other. When this system was introduced in India, there existed

no examples in this country of stormers carrying cargo upon a light draught of witer, and as carrying power was a size guâ non in the Gauges, the p'in adopted of double vessels was a very natural one Besides, it seemed to present other advantages, such as the following 'in case of getting aground, it would be easier to get off two small vessels than a large one, in the shart turns or bends of the Soomderbunds, they could more easily wind their way through them than a long vessel, &c., the goods and passengers would be safer and cooler in a separate vessel'. The freight-carrying power of the cargo basi, or flat is not, however, very considerable, the range is between sixty and one hundred tons of dead weight, varying with the season or depth of the river. This weight of mesurement goods (that is of atticles the bulk of a ton weight of which exceeds ionty cubic feet) will of course make a great deal more tonnage upon which freight is thargeable. The capacity of the accommodation boat for passengers, owing the large spice deemed necessary for a cabin passenger in Indin, is somewhat limited, the average being cabins for structen passengers, with their servants, &c.

"The steamer or tug, and the vessels for fiel, ht and passengers, have each their own captain, officers, and crew, and the steamer has, of course, in addition, its engineers, stokers, &c

'The speed of the government double steamers varies considerably, those of recent construction being the fastest With an average cargo and the usual ccals on board, the velocity of the slower ones through still water is probably six miles and a half per boar, that of the faster, seven miles and a half per hoar. When going with the stream, the velocity of the current is of course to be added, and when going against it, to be deducted from the velocity through still water, thus an a current of four miles an hoar it, would be eleven miles and a half in one case and threa and a half ne hoar would be eleven miles and a half in one case and threa and a half an other native boats, steamers are obliged to stop running during the dark of night. To the dry season, the average passage up is twenty four dus, and down fiften days. To the try season, the average passage up is twenty four dus, and down fiften days. The the runnar passage, and in the ranny period, of forty miles up and 100 miles down. The number of voyages made annually by each, has been neirly sur. In 1844 there were seven government steamers with ther accompanying vessels, kept in activity. This number has sone been increased by two more, specially adapted for troops

"The rate for passengers was fixed at 301 per cabin passenger for the whole distance, not including provisions, the passenger providing his own bedstead and bedding, according to the custom of India

"The earnings of the government steamers, it is understood, have paid their cost many times over They have unquestionably answered well in many respects

"As to the question of the desirableness of the government keeping up a steam flotilla on the Ganges for the convevance of troops, military stores, and treasure, it will be at once conceded, that to carry on the general steam traffic is not the proper business of the government. The field is far too exteanve for the government to atlempt to occup; it

"2 The double vessel or tug system is wasteful of power the resistance of water to vessels propelled through it is chiefly at the bows and stern, and not much at the sides of a vessel, where it is only that due to simple fraction There is consequently far more resistance than there would be in a single vessel of the capacity of the two Now as wastefulness of power is the same thing as waste of fuel, and as that is the chief expense in all stemmers, and emphatically so in India, this is a weighty objection

"3 The force of the current in the Ganges, as a fready observed, varies greatly from place to place, setting down round the points in the bends of the river in a rush of six or eight miles per hour, while bolow the points the current may be running only two or three miles an hour, or there may even be a counter current or eddy setting upwards When the double vessels must these unrequial or opposite currents in the previous percent. nnmanageable in spite of the greatest exertions of the holmsmen and crew of each vessel, fall foul of each other, and are driven at the mercy of the current sometimes a distance of four on five miles down again before they can recover themselves. At some of the 'tunkes' of the river round the points during the high-water season, they are unable to pass up without the further aid to the machinery of bullocks and men, tracking along the shore with lines attended to the starmer.

⁴ 4. As to the presented necessity for short vessels in the Soonderbunds, it did not appear to the writer to exist; and the double vessels, owing to the impossibility of steering them with precision in such places, notwithstandiog their shortness, frequently strika against the bank in the sharp turns of the Soonderbund channels.

"5. The advantages of the separation of the passenger vessel or 'accommodationboat' from the steamer, is probably in some measure counterbalanced by its being close behind, and receiving some of the products of combustion from the funnel of the steamer and the heat of the engines.

⁴ 6. In the rainy or high-water season, as has been shown, there is plenty of depth in every part of the Ganges, and it would then be very desirable to be able to load a large extra cargo; but the freight vessels in question, from their small size, admit of this to a small extent only.

7. The expense of maintaining a nearly deplie personal establishment of cuptain, officers, and crew, which appears to be necessary upon the double vessel system, is a considerable item.

New System.— "Up to 1844, no attempt had been made by private parties to follow the example set by the East India Company. In that year, alter Mr. Robinson commuuicatug his views, a company was formed for establishing and running a line of iron steamers upon his plans for conveying freight and passengers between Calcutta and Allahabad or Mirzapore, and to which was given the name of the Ganges Steam Navigation Company."*

Three steamers afterwards made to fuel on a new plau, for great speed and for the carriage of goods, were built for this Company, of which Mr. Robinson gives the following description of the first steamer, named the *Patna*, as actually constructed, and the second, named the *Benares*, as identical with the *Patna*.

General Arrangement of Vessel, Engines, and Cabins —"The hull below the main deck is appropriated to cargo, with the exception of the space occupied by the boilers, and the condensers and air-pumps of the engines. The main deck projects over the sides all round, tapering in at the bows, forming 'goards' which increase the room on deck. The engine cylinders lib horizontally on the main deck. The saloon and cabins are also placed upon it, 'forward' of the engines and boilers. Over the cabins, and estending nearly to the stern, is a light promeande deck, and the part of it for cabin passengers is covered by an awving.

"The frame and deck beams and paddle-box frames are of iron, and the shell of iron plates; the main deck is of wood; the cabins and the promenade deck over are entirely of wood; the length is, at load water line, 195 feet; the beam or breadth of hull is twenty-eight feet; the extreme breadth over paddles is forty-sit feet nine inches; the

• The acjuation of the question about the same time by other parties had the effect of drawing the attention of some of the Celotata merchants to the subject, who got up another steamboat company, mised a capital, and ardered their steamers from London, It was named the "General Insind Steam Navigation Company," and is perfectly distinct from the association whose steamers form the subject of this paper. This company's steamers are upon the tug system, but differ from the sociation vectors and they of greater power, and being inheaded to tug or tow two small cargo vassels at once, the passenger cabins being on board the steamer. The names of these which have been put on the Bin are, the Sir Horders Modelos, the General Mi-Load, and the Sir Freds-siek Corries the second of these was, however, unfortunately lost in the Hooghly, and the company have recound purchased the Assan Tao Company steamer, desam.

depth of ron hull is ten feet three inches at the engine-room, and the rest of the hull, seven feet mine inches the bottom-or flow is nearly flat, rising on each side only sufficient to throw the bige water towards the keel, the bows are full, but at the good and fine entrance, the stern is as full as was considered admissible, and is in character with the bows, the one angle subtended by the bows is thirty-two degrees and by the atern fifty four degrees the 'parallel body' or midship, without curves, is one-third of the length of the vessel, the tonnage of the hull, exclusive of cabins and upper deck, builders measurement, is 400 tons, the entire cubic contents of the interior of the hull is 38 434 cubic feet the machinery and coals occupy a space of 12,800 cuoic feet, lerving for cargo a space of 25,634 cubic feet, or G41 tons measuremint. The 'displacement' or carying power of the vessel, is, at each six inches draught, from two to four and a half feet, as follows —

At 2 feet 0 inches, 12,812 cubic feet = 305 tons

,

"There is no external keel, it is replaced by an internal one, or keel-on, formed of a light hollow iron beam, 2 feet deep and nne inches wide and which is riveted to the inner frames of the bottom of the floor. Between this keelson and the iron deek beams, and riveted at their upper and lower ends to both, are light stiff stanchnoss of iron, which have the effect of both trusses and ties, binding the floor and deek together. The sides of the vessel are vertical, and the iron frames which run up to form them hinsh the gumale an strong concuce, formed of angle iron and a narrow plate. The heads of the frames, the upper edge of the top strake of plate, and the ends of the iron deek beams are thus all riveted together. The powerful connection by this means, formed between the bottom or floor and the deek, boil by the ades of the vessel and the midsing trussing. for the third of the vessel is length mindships strengthened by diagonal tess crossing the robs or frames, the and shell, is of light scantling, but of a quality and make giving the greatest tienacity and shell, is of light scantling, but of a quality and make giving the greatest tenserity and size of the scantling.

"The paddle boxes are built upon the ends of two light hollow iron beams, which cross the vessel under the deck and project beyond the sides for the purpose, as well us for supporting the engine bearers. The paddle-boxes are framed of ingle iron

" The rudder is twelve fect broad, and is worked from a point at the back, instead of by a tiller

"The rudder chains lead to a steering wheel placed near the bows upon the upper deck, from which position the helmsman and pilot command a view of the river and of the best course

"The deck plank and covering of paddle-boxes are of teak wood, the former being only one inch and five eighths thick they are fastened to the deck beams and framing of paddle-boxes by wood screws

"The entire weight of the vessel with paddle-boxes, and exclusive of machinery, cabins, and stores is 142 tons

Steam Engines — "The engines arc medium pressure condensing, unconnected, and of the nominal power of 120 horses Cabins — I hie saloon and cabins for first class presengers occupy in area upon the

Cabuse — The saloon and cubous for first class passengers occupy an area upon the main deck forward of the engines hity four feet by that, two leet and that e_{1} hit feet bigh the saloon is forty feet by fifteen feet, and is placed lengthwise the end opening towards the bows. These are twelve private passenger cabus, averaging, nue leet by severn feet is inches. The promenade deck over the cabus is contuned over the enzyme cylinders, and to near the stern, under it also is the captum 5, the officers' ind en_incers cabus, and a large space for light goods or criticage, horses, and deck passenger. "The weight of the reseal and paddle-boxes has been stated to be 142 tons, the engines, boilers, and propelling machinery and engine bearers, 106 tons, and the cabins and upper deck, weiter tons, making a total of 250 tons. In addition there is to be taken into calculation the water in boilers, twenty-one tons, fuel for (welve hours' steaming, ten tons, sundrives, furniture, stores, &cc., fibren tons, making the working weight 306 tons. This weight requires an equal displacement, and which is obtained by an immersion of the hull to two feet ten inches. All above this will be the carrying power for cargo. Thus at three feet six inches also acrise sighty-five tons; at four feet, 149 tons; and dat four feet six inches, 231 above to be wenty-seven tons; and without the scales by the passenger carrying accommodation to the extent of the weight of the cabins and stores, show above to be wenty-seven tons; and without these the working draught of the steamer would be only a fraction above two feet seven inches.

Mode of Construction .- "The iron vessel and the engines, which together form one of these steamers, are both designed in all their details by the same firm, who, being iron shin-builders as well as engineers, were enabled to produce a combination of the nature described. Each vessel and pair of engines were constructed simultaneously at their establishment; and when completed, the engines were fitted on board the vessel on the stocks ; every thing was put in place, and the angines worked, to make sure that there would be nothing to fit or do to them abroad. The parts of the engines where they were joined to each other and to the iron vessel were then marked, taken asunder, and packed up for the voyage. The whole work of the vessel was then painted in the inside four different colours, each quarter being of one colour ; and the plates of the shell and the ribs, as well as every piece, were marked with paint, and stamped with letters and numbers, to facilitate and insure the correct putting together in India. The vessel was then taken in pieces, and the whole carefully shipped and stowed on board a ship of the ordinary size, bound for Calcutta. Accompanying the parts was sent accurate drawings of the whole, and a model of the vessel, painted and marked exactly like the original. Upon arrival after only a four months' voyage, the parts were landed at the estublishment of the 'Ganges Steam Navigation Company,' near Calcutta, the iron vessel put together in a dry dock, decked, and foated out. The work was performed chiefly by native me-chanics, under the superintendance of the writer; and the first steamer was put together in only nine weeks from the day of landing. The engines were then fitted in, and the cabins put up, of teak wood, to the working drawings. The whole was completely finished and the steamer fitted out and started on the trial trip in a little more than four months.*

The "Pakea".—"Upon trying the engines, they were found to work with even more smoothness than was anticipated ; the crarks went over the centres freely, and the reversing, stapping, and starting of each engine separately was performed by the link motion with the greatest case and prompilude. The boilers were found to generate sceam enough with the Bordwan coals, and easy firing. There was no perceptible vibration in the vessel from the action of the engines. The time taken for a distance of facen miles down the Hooghly, against the flood-tide, was 1 hour 34 minutes, and back again to the pince of starting, with the tide, 1 hour 0.3 min.; more than eleven miles an hour. The steamer was by the sciton of the engines made to turn round in her own length several times. The teerage by the radder was bardly as quick as was anticipated, but this was afterwards remedied.

• The Friend of India newspaper, of July 2, 1946, observes ... "The next day, the Polara scenere, the first vessel of the Ganges Steam Navigation Company, was lancelied without noise or pande. She is the most maguifeent siver steamer ever launched in India, and has been put together in the short period of two months and five days. The componencement of these improvements in our internal steam cammuncation after a pause of nearly twelve years, during which we have seen the truth of the old adage exemplied, that not to advance us to go hack, will form a new evan in the history of atsama in India. Undar the competition of private enterprise, we may now look forward to an increase of speed, and to such a diminution of caprene as shall place the hursury of steamers whilin reach of the community generally, and take up the commercial freight of the country."

"Upon the 28th of September, 1846 the *Pacina* took on board upnards of 200 tons of measurement goods, and carrages, and five borses reckoned to weigh 140 tons dead weight, twenty tons of cods, and thirty five passengers,—total dead weight 164 tons Her mean draught of water was then 4 feet 5 inches this was a lirger cargo than should have been taken upon a first trip with an mexperienced coptum, and it a period when the river was failing rapidly. The destination was Mirzapore, 706 indes above Calcuta, and eight var below Aliahabad. The river was then high with a strong current, so that the Sonderbunds were not resorted to and the short passage by the Bhaugrautee was stucessfully —the 'hauling off gear effecting at once the refloating on every occasion but one, when, through mismanagement, the steamer stack fast for three days. Notwithstanding this untoward event, the *Patam* reached Mirzapore on the 30th of October or fitteen days from Calcutta passing four government steamers. The averting time of the stated mismanagement, the istated officially or twenty two days

"The downward passage was performed between the 16th and 26th of October, era the dreaded Soonderbunds, and the entire voyage thus done within a month

"The second voyage of the Patna was performed both up and down by the Soonderbunds and without any incident beyond occasional grounding •

"The Patra continued to perform successfully her voyages between Calcutta and Mirzapore, under the command of her first captain but did not attain the expected shortening of the time till the voyage commenced upon the 20th of June, 1847 under a new commander She then, with a full cargo on board, did the upward passage by the Soonderbunds route in twelve days, and the downward passage by the Bhaugruttee in six days and a half, and was only twenty days and a half absent from Calcutta

"This performance is recorded by one of the public journals thus --

"The succeeding voyage of the *Patna* affords evidence to the same effect as it was done in even still shorter time, namely, nineteen days,—it is noticed by another recorder of passing events, as follows —

"The Patha steamer has again made one of her usual rapid voyages to and from Mirripore The upward voyage occupied eleven days and a half and the dowoward, excluding half a day a detention, five days. The distance is estimated at 720 nules. Including two days and a half in which she was detuned she has left Calcutta and returned to it in nucleum days, which is, we believe, the shortest voyage ever made — *Friend of Lada*, Agust 12, 1847

"The second steamer, named the Benares was despatched to India in parts, and put together there in the same manner as the Patna already described

"She left Calcutra on her first voyage on the 4th of March, 1847 when the river was at the lowest, and took the Soonderbunds route Fortunately, the capition wis an experienced Ganges navigator The Benores, although 1 day was lost toground, reached her destination, Minzapoie, on the 16th of March, that is, in twelve days †

• Extract from the First of fada December 1846 — 'The two traps which the Patan has provisated and in making have served compiletely to banash the data dust the great length would prevent its making progress through the corkscrew windings of the Sconderbunds. This vessel from the superor arrangement of its edus no test stima trans to speed, appears to be a lawourie if we may judge from the large batch of passengers who have put gone were been used the excilent systems of the two the structure because of the excilent systems of set with the or six degrees. Here, because of the excilent systems of set were set when the other were is site starts to have a preference because of the excilent system of ventilation adopted through the vessel and which will tend to keep down the thermometer the or six degrees.

+ From the " Englishman" March 13 1847 -- " The Benares left Calcutta on the 4th instant at

"The down trip of the first voyage of the Benares by the Soonderbunds was done in nine dive or seven less than the average of the potentimet stemmers in March." "Daims, the rest of the dry series on, the B wreas performances were equally satis-

"During the rest of the dry season, the B mares performances were equally satisfactory mixing her voyages to and from Marapore within a month each

Upon the return of the wet season (June, 1847) when the direct route by the Phangmuttee was taken both ways her time was, up to Mirrapore tuckle days and a hit and down five days and a quarter,—absence from Calcutta, twenty days, including dirintons and stopages to coal Δc

B it steamers have since the above period till the date of the latest accounts been regularly plang on the Ganges, carrying passengers and cargo. They have met with no serious accillents + and their average performances have been such as to justify the conclusion that the success of the principle is complete.

"The Universe — The third steamer is of precisely similar form and dimensions, and consequently of similar displacement also to the *Patna* but is designed for every only there are consequently no cabins but those for the capitain and officers. She has noncondening $\alpha_{\rm min}$ soft 140 for espower. Both the vessel and her machinery are lighter than the *Patna*. The weights are as follow.

The vessel 136 tons-the engines and boilers eighty five tons --total 221 tons. D aught without water in boilyrs, conis or eurgo, two feet one meh and a half

The "Mirzapore and the "Ghazepore" the fourth and fifth steamers, being exactly alike in dimensions and power, and nearly alike in other respects a reference to one will apply with sufficient exactores to both. It will be observed that they are a great deal $Jar_e ext hin the Patma and the Benares$

' They are designed for cargo only-cobins for captuins and officers, and protection for carnages and horses, and high goods on deck

The dimensions of the Mirzapore are

" L n_th at load water har, 200 feet breadth of beam, thirts-eight feet, breadth over paddle, sixty six feet depth and hip, ten leet

i i is and was at Rajorthal on the 9th at 2 20 PM. We extract from the published notices of our river fleet the time in which this distance has been done on the last upwird voyages in January —

Sulled_e (Government steamer)	11 days
Madd ck (Inland Company's steamer)	11
M Lead (ditto)	13
Benares (Ganges Company s steamer)	5111
+ C + C	

 Γ in the Frend f Indu March 18 1847 — The voyage of the Bernres steamer is an event in the meaks of river steam rownstion in the Gangene valley which discretes more than a more passing notice in our brue daily epitome

 From the Rengel Hu karu July 20 1847 The Benares sterme performed the passage to Hirzapore in twelve days and a bill left Mirzapore, on the 14th of July it 1 which Dampore, the 14th of July at 0 A M arrived at Calcutta the 1eth of July at 4 F M time occupied in downward trip the day and three hours absent from Calcutta on the voyage anneteen days and threequarter including all isopages.

The null document of the docu

The where Friend(c) lander N of ender 9 1847 — The steamer Bearser on her last trup, performed the littuce litecen Mirzapore and Chunar there wiles in an hour and thurry monath with its stubiling speed (such the current) of twent we make in hour. During the runs (h) plended wes dis scherally reach Calcutta before their departure from Mirzapore is annown dhere.

 \pm V that of t more statue line (requestly happened to the government steamers and Bu and our his electrotally) t. The loss of the *Jellinghee* is a recent instance. The line (Composition for *a tread McLeeck*, was loss to an after being placed upon the river

RIENTAL COMMERCE

"The displacement is at each six inches draught of water as follows

At 2 feet 0 mches	330 tons	At 4 feet 0 inches	745 tons
26, 3,0". 3,6"	431 " 538 639 ,	4,6 50	863 , 960 ,

"The measurement of the hold for cargo is 54,000 cubic fiet, clear of every thing or 1350 tons measurement.

"The weight of the vessel alone, including paidle-boxes and deck-houses, without machinery, is 224 toos, the weight of engines, boilers and priddle propeilers is 134 tons, consequently the entire steame complete weights 356 tons, and the light immersion or draught without water in the boilers, or coal's is only two feet two inches. These steamers possess great carrying power, immense stowage for cargo, are lighter in propotion to the size than the Parka and draw less water

"The chief difference between the design of the iron result and the Patria consists in the deck being convex, or curved upwards transversely like the bock of a violon, and in the bacting or transmy between the deck and the bottom or 'fhoor of the vessel being in the iorm of a diagonal lattice work, instead of verticel bars or stanchnowa, as in the Patria. The curvature of the deck was admissible from the absence of passenger accommodation or cathins, and the diagonal framing or 'spine was admissible from the entre is being non-condensing, and entirely above deck

"These three steamers, after being completely fitted with their machinery in the building-yard in London, were sent out to India in parts, in the same manner as the *Patua* and the *Benares* They are all except the *Ghazepore*, now (April, 1848) launched on the Ganzes

"The *Mirzapore*, at the public trial which took place on the 24th of January, 1848, proved perfectly manageable, and steered well, notwithstanding her great size the speed was fully equal to that of the *Patna*, and close upon twelve mites per hour

""She started upon her first voyage on the 3rd of February, when the river was estremely low and unfavourable to navigation, laden with 230 tons weight of cargo and coals, taking the Soonderbunds route On the 6th of February, she had passed through the Soonderbunds on her upward voyage in the most satisfactory manner, and treached Dunapore or Patan in eleven days from Calcuith " Thus, under all the disadvantages of a first trip, and the bad state of the river, performing third distance in five days less than the average time of the government steamers at that season

"The new steamers put upon the Ganges up to the present time consist as has been stated, of-two of 120 horses power each for passengers and cargo one of 140 horses" power, for cargo only, two of 250 horses power each for cargo only

"The total cost of the whole hve steamers completed and started on the Ganges, ex clusive of spare boilers, &c., and of interest upon the capital employed prior to the steamers coming into activity, does not exceed the sum of 96,0007, which is made up thus —

Steam-engines (880 horse-power) Vessels, cabins, &c	41 800 39,686
Cost in London Transportation to India	81 486
Re-construction and equipment	9 199
Cost on the Ganges	96 560

• "I Friend of Inde" 10th of Federary 1848 — "The Ganges Company's new boat the Mrzancore known as the Big Boat the Great Fostern 'which we noticed in lawing started on hir bret woyage reached Dimapore in cleven days from Cleutin which taking the season of the year into consideration, the lowness of the water this frequency of sandbanks and the ward to any re gular channel, the has done exceedingly well. She passed through the intracte channels of the Sconderbunds beaufully, removing all doubles and fram that were entertained by many on this head before her starting. The river is worke in many parts this year than bas been known for many years." To which perhaps should be added interest for an average period of eighteen months upon a part of the sum, say upon 55,000*l*, and seven and a half per cent per annum, 6187. This would make up a sur of 102,747*l*. No preliminary expenses or charges for the 'direction' were incurred. Be it observed this is no mere estimate, but the actual cost of the thing done.

"The charges of running these steamers are made up of items as nearly as possible like those incurred by steamers in this country; they may be classed under the heads of 1st. fuel; 3nd, the personal establishment (or the salaries and wages of the commander, engineers, officers, and people on board); 3rd, stores and provisions; 4th, repairs; 5th, annual depreciation; 6th, insurance against loss and fire; 7th, management. The experience had upon this subject, not being as yet sufficiently extended, nor the time sufficient to bring the arrangements into that order which results in economy with efficiency, an attempt to exhibit the total charges would be only likely to mislend.

"The term of fuel as at present is heavy one (about 350L each voyage of the Patha); there is, however, little doubt that in another year or two coals will be delivered on board at a lower price. The cost of the personal establishment of each steamer is, even at its present high amount (about 148L each voyage of the *Patha*), much less than the steamers on the tug system.⁹

CONCLUDING REMARKS .- Pilot Service on the Ganges Navigation .- " The unstable nature of the bed of the Ganges, noticed in a preceding page, is a great impediment in the way of obtaining an effective pilot service; but in the Lower Mississippi, although there is a greater depth of water, it is nearly as changeable, and yet we find a river-pilot service of the most efficient kind. Three things combine to produce the difference ; on the Mississippi, hundreds of steamers have for many years been plying; the pilots are men of high intelligence and generally of education, and they are regularly trained to their vocation, and do nothing else; whereas on the Ganges, until recently, only five or six steamers have been on the river ; the men who act as pilots to them are not even of the most intelligent class of natives, and they have neither been trained to the business nor do they follow it regularly. The consequence is, they are merely pilots in name, and the captain of the steamer is virtually, in most cases obliged to act as pilot himself. Notwithstanding the rapidity of the changes that take place at particular seasons in the bed of the river, good pilotage would be almost invaluable. A higher class of men must be attracted to the service by better pay, and the stimulus applied to keep up attention, of prizes for the greatest amount of good service in each division of the river.

Improvement of the Nanigation.—" When it is considered that a steamer that can carry only uself at two feet six inches draught, shall carry 200 tons at three feet six inches, 400 tons at 4 feet six inches, it will be parceived that the last foot is worth the other three and a half. A consequence flowing from this is, that with the first-named draught of water, the steamer, if dependent upon freight, could only be run at a loss; with the second would probably pay a profit; and with the third would probably pay of profit; and with the third would probably pay a profit; and with the third would return a large profit.

"But the advantages which would result to steam nargation from a greater depth of water of one and a half or two feet, in the present shallow parts of the river, do not stop here; a better form might be given to the freight steamers, so that less power would propel them at the same speed; and less power of course implies a lesser weight of machinery and fuel, with a smaller expense of runnay. The rates of steam freights might be reduced and the sphere of utility enlarged. Passenger steamers of a speed of sixteen or eighteen miles an hour, with spacerous and elegant accommodation for a handred passengers, and which would, with a good plot service, perform the distance up to Allahabal in from fixe to seven days, and down in two and a half to four days, according to

 The personal establishment of a government steam-tug and cargo flat is as follows: two captains, two mates, first and second engineers, one olerk, two semings, two tundals, eight secunties, twenty-four Lassars, one tundal of stokers, eight stokers, four cooks, two tungas: and costs, including provisions, about 2002, per month, or 24002, per annum, which, divided by even seven royages per Lanum, gives 432, per vongs. the season, might be introduced on the Ganges The traffic by the native boats, too, would be greatly facilitated

"The importance of increased depth, thus shown to be so great, naturily leads to the inquiry whether it is practicable to obtain it, and if it be practicable, whether at an expense that could be met

^{•••} It has been already stated that the bed of the rver is composed of sand, the exceptions (of which there are few) do not affect the question, because there is abundance of depth over the hard prits of its bed This sandy formation, which is the cause of the evil of the extreme shallowness, affords facilities for remedying it, and the deepening of the chrine twhere necessary without permanent or costly engineering works, is a task which the author believes to be perfectly practicable. All that is wanted is to and the slow but certain powers of Nature by the application of scientific skill and practical experience combined with the cheap labour and the simple means and appliances already in existence in India, and with, in some place, the steam-engine applied to machinery afloat

¹⁴ The principles upon which these views are based are, 1st, that the water of the Ganges holds in suspension the fine sand with which it forms the shallows, the bars, and the banks, 2nd, that just in the measure that the water is kept in agritation, (whether by the natural action of the current or other means) will it hold more or less of this fine sand in suspension, 3rd, that wherever the agritation exceeds a certain degree at any spot there the water is deepening, and wherever at any spot it is munus this degree of agritation, there the water is should be added and the spot it is munus this degree of agritation, there the water is should be added and the spot it is munus this degree of agritation, there the water is should be added and the spot it is more added and the spot of agritation.

"In the mosth of April (the worst part of the dry senson), in 1847 at a place a few mides those Benres, the water had gradually shallowed to 2 fect 6 inches Upon this shoal several of the government steamers, as well as the new steamer Benares, stuck fast and met with much detention before getting over Beng near a multary station, the officer in command of it took great interest in the proceedings of getting off the Benares and after she had passed down, he in the inost spirited manner (acting upon the writer saggettion, that some good result might be produced by manual interposition) collected a number of natives whom he directed so skiffully to disturb the sand at the bottom of the water with pointed poiles or bamboos, that in a few days so much of the sand had been carried away by the current, thit a channel through the shoal of four change have the sum of a maply wide enough for a steemer, was thus formed Thus channel then remained open during the rest of the dry season, and the steamers passed through it without one grounding

"It is perfectly currous to observe, as the writer has often done, the way in which any slight artificial obstruction, such as even a pole stuck anto the bottom, or parts of wrecks of native boars; collects and about it, and produces a miniature bank or shoal, the effect of which is, of course, to obstruct the passage of the water at the spot, and to force it to run at a greater velocity on one side, and consequently to deepen the channel there

"The means of effecting the contemplated improvements would not be naturing they may, indeed he said to exist already in the toils collected on the boats pissing through the Bhaugrutte, to the amount of 15,000/, and through the Soonderbunds to the amount of 17,000/ per annum, and even additional toils would be readily and freely paid both by the native boat, and the stam traihe for real improvements in the navegition but, as already observed, permanent and costly engineering works are not nicessary and it is believed the outlay required would be very moderate, whilst enormous good to the country, would be the result" STATEMENT of Traffic on the Rivers Ganges and Hooghly, from officially authenticated Government Returns

GOODS TRAFFIC TO CALCUTTA	Tonnage
is the variet i - i to preserve from the off call strement of the colls (or off subh as Jangersprey nor the Discuprities of relations passed strength that branch of the rever constanting 21807500 mutuals or ration, j may be be be be to thomage of the labor carry basis was branched by the strength of the strength of the strength of the strength of the superclust The validation and the conclust case and the strength of the strength of the branched of parameters of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the	796,413
Traffic in native boots i therefore $n \rightarrow i + - s$, sey $n = i$ americs made 30 trips upwards and carried is 763 meas ursument freet, and 1 ± 0.09 lbs $v = glat of carge. Recknowing a cubic foot to weigh 30 lbs we have carried upwards$	2,113,163
by (comers) be goods carried down wards is about	2 0 97 67 5
Total of Cools carried on the Ganges and Hooghly	2115 885

MISCELLANEOUS STATEMENTS

COMMUNICATIONS WITH INDIA —A fleet of splendid ships, built in the docks of the river Thames, the Tyne, Mersey, and Clyde, belonging to purate builders and shipowners, have replaced the East India Company's fleets, and carry on a much greater trinde than the latter ever did between the United Kingdom, and countries east of the Cape of Good Hope Those ships, built with several decks, carry passengers and merchandise of all kinds (See Tables of Navigation, &., with Oriental Countries, in a former part of this work)

STEIM NAVIGATION WITH INDIA—The enterprise carried forward on a magnificent scale with superb steam ships, by the Oriental and Pennisular Company, from Southampton to Egypt, and from Suez, by the Red Sea, to India, Ceylon, Singapore, and China, has rendered the communication with Asia wonderfully short and certain in regard to time, and there is no doubt that steum communication with all parts of the Last, as with every part of the world, will ripidly increase and, givat as it now is, will yearly acquire more power and importance. The East India Company's steamboats, which were not at first efficient, have been replaced by steamships of a superior character.

THL RED SEA PASSAGE — The length of the Red Sea, from the Straits of Bab el Mandeb to Suez, is 1200 miles, its medium breadth about 150 miles, ind its direction nearly north north west, and south south east

Its coasts on either side are fringed with coral reefs, which render it dangerous, in nargating it, to approach near its shores, but otherwise it does not appear to be of more difficult nargation than any other narrow sea. In the southen part of it,—star form the lutitude of Jidda to Bab el Mandeb, being about one h if of its whole length,—the southerly monsoon predominates nearly two thirds of the year commencing in October, and ending in May or June The northerly winds then set in, and continue about four months,—say Jane, Jal), August, and September

ORIENTAL COMMERCE.

Outside the Red Sea, in the Gulf of Aden, the wind generally prevails from the eastward for six months, sav from October to May, and from the westward during the other part of the year

In the northern part of the sea, from Jidda to Suez, but more particularly near to Suez, the prevailing winds for nine months of the vear are northerly, and in the months of June, July, and August, it is very difficult for sailing ressels to best up to Sues

In this part of the Red Sea, southerly breezes are at all times but of short duration

The best time of sailing from Suez for India, &c., is about the end of August, which will enable vessels to clear the Struits of Bab el-Mandeb in September, before the easterly winds commence in the gulf outside

RAILWAYS No country more than India naturally requires, for the develop ment of its resources, the construction of railways None of those projected have as yet been commenced We trust that this neglect will not continue long, and that the company or individuals will immediately commence railway operations

NORTH WEST, AND NEWLY-ACQUIRED TERRITORIES — These extensive regions ought to afford new openings for commerce, and, under British rule, will no doubt acquire importance as places of trade The obstacles are those too generally common to India—the difficulties of internal transport But the new and projected steam vessels, adapted for the navigation of the Ganges and its branches, and even for the Indus and its branches, and the completion of canals and the Bombay rairoad, would open thoroughly to our commerce these fertile and splendid regions

JNDIAN STATISTICS — The Supreme Government of Indu has turned its attention earnesity to the collection of more correct statistical details regarding the different presidencies and dependencies, and the following circular has some tame ago been issued to its officers by the Court of Directors, and which we think may be of interest to some of our colonies.—

Our Gouerno-General of Indon m Council -- I The great proteical importance of statistical impuries, and the attention which they now recure from the most embeltioned European Governments, have induced us to the measures for investigating the statistics of the countries under our administration, and for arranging and preserving in a form convenient for reference the information which may be attauable.

[&]quot;2 With the view of accomplishing these ends, we have formed a statistical department in our home establishment in which the requisite inquiries will be conducted, and the materials thereby obtained classified and compared

³ The voluminous records and documents in our possession contain a vast amount of statistical information, and the labours of the new department will un the first instance bo directed to extracting and rendering it available for reference these duties, which have already commenced, will continue for a long period to claim a large share of the time and attention of the department, but the results will be imperfect unless by the co-operation of our Governances in Indua in collecting and transmiting statistical information we are reabled to renealy the

defects, correct the inaccuracies, and as the condition and circumstances of all countries are in many respects constantly varying, to note the changes which time or other causes may prove. "4. We do not doubt that our servants will cheerfully afford their assistance for these pur-

poses; and as the aid which they may render in this respect is not intended, and must not be permitted, to interfere in any degree with their ordinary duties, no detriment will arise to the public service, but on the contrary much advantage may be expected from the transmission home of such information as to local details which so many of our servants cannot fail to possess.

" 5. Information will be most desirable on such subjects as the following :-

"Land,-Area-Geological structure-Natural aspect-Soil-Atmosphere and Climate-Productions-Modes of cultivation-Prices of principal products-Tenure and occupation-Modes and rate of Assessment-Labour employed, and its remuneration.

" Water .- Navigable Rivers-Description of-Length of-How far navigable-Vessels employed on them.

" Lakes .- Description and situation.

" Canale .- Their purposes - Length and depth- Vessels employed on them-Cost and return on the outlay-Wells and Tanks-Means of irrigation in each district-Harbours, and Shipping frequenting them.

Cites.--Towns and Villages-Situation and general description--Number of houses, and whether Puckha or Kutcha.

"Population - Numbers of people of different descriptions - Employment -- Languages-Condition-Health and Disease-Ditto of Troops especially-with presumed causes of healthy or diseased state, and the treatment (not strictly medical) found to be useful.

" Wealth .- Education, and method of pursuing it -- Charitable Institutions not Educational--State of litigation and of crime-Police, number, remuneration, and efficiency. "Commerce.-Manufactures-Capital employed-Imports and Exports from Official Sources

-Exchange-Weights and Measures-Coins-Banking operations-Lending and borrowing-Modes of transit and communication-By Land-By Water-Impediments, and their duration-Fords, Ferries, and Bridges-Postal arrangements-Taxation-Sources of Revenue, and produce of each Tax-Mode of Collection-Number in Sebundy or other Corps, engaged in collecting Revenue-History and Antiquities, facts illustrative of early or more recent history, and of changes, Political or Agricultural-Public Buildings.

"6. We need scarcely observe that in Statistical investigations, the most rigid accuracy as to matters of fact is indispensable. Erroneous information will be worse than none, because it can but tend to mislead.

"7. There may be some objects, especially those relating to physical science, with which our Servants generally may not be minutely acquainted, and no statement on these or any other matters of inquiry will be of any value unless they be both precise and accurate. Where the requisite measure of scientific knowledge is not possessed by others, it may, perhaps, in many cases, be supplied by our Medical Officers, and their aid will, we doubt not, be cheerfully rendered whenever required.

" 8. In conclusion, we direct attention to the following general instructions :--

"9. In all cases where practicable, reports should be the result of the personal knowledge of the Officer reporting, and where such is the fact it should be mentioned.

" 10. Where from any cause the personal knowledge of the Officer cannot be extended to any object of inquiry, the authority on which the reported facts rest must invariably be stated either in the margin or in the body of the report.

"11. When estimates only can be furnished, the grounds of each estimate must be stated, and the reasons for adopting it.

" 12. Where information is orally given it should be committed to writing at the time-in like manner personal observations should be recorded at the monient of making them.

"13. In addition to the names by which places are known among Europeans, it would be desirable that the original names should be given, both in the Devánagári* and Urdu character, according to the best authorities, especially local and native.

" 14. In regard to coins, weights, and measures, care must be taken to preserve uniformity as to valuation, comparison, and conversion, and to insure this, Prinsep's 'Useful Tables' may be taken as a guide. "15. Where any material variations exist in different parts of any country, or divisions of a

country, reported on, the nature and limits of such variations should be precisely pointed out.

" 16. It will be observed that the greater part of the instructions above are designed to ensure accuracy, the importance of which we have already adverted to. It is the more necessary to

· "The Proclamation and State Advertisements in the Calculta Gasette are usually printed in the Devánagari, as well as in Urdu or Arabic character."

dwell upon this point, masmuch as some previous attempts to afford statistical information are unsatisfactory, because obviously incorrect

'17 Thus in a calculation" made of the population of the North Western Provinces in 1826 (excluding the Ceded Districts on the Nerbudda and those ceded by the Rajah of Berar), founded on an actual enumeration of the villages in those Provinces and a partial enumeration of the houses, the amount is taken at 32,206 806 and the number of square miles occupied by this vast mass, as ascertained by measurement upon a map, is stated to be 66,510 Thus rejecting fractions, it would give a population 484 to the square mile while in an estimate of the popula tion of the principal portion of the Lower Provinces of the Bengal Presidency in 1822 the amount is given at 37,503 265, and the amount in square miles (ascertained as in the North Western Provinces by measurement upon a map) at 1.33 802 affording no more than 243 inhabitants to the square mile little more than halt the number claimed for the North Western Provinces notwithstanding that the Lower Provinces contain the great Cities of Calcutta Dacca Moorshedabad and Patua, and the populous tracts around them

' is But the population of China universally considered one of the most densely peopled countries, is, according to the highest native estimate only 277 to the square mile +

"19 Further, in a statement of the Statistics of the North-Western Provinces printed by order of the heutenant-governor and hearing date the 25th of February 1842 exhibiting a view of the area and population of twenty two districts constituting by far the larger portion of those provinces, we observe particulars which lead us to suspect that this latter document is not trustworthy Aligurk a district without any considerable town is stated to have an agricultural population of 56 679 and a non-agricultural population exceeding it more than eleven times the number given being 648 499 while the district of Benarcs containing the great and populous city of the same name which with its suburbs has been estimated to contain 200 000 souls is said to have 299 157 agricultural inhabitants, and only 145 940 non-agricultural t

20 We notice these extraordinary errors, that we may impress upon those who may be called upon to act upon our present orders the necessity of employing such vigilance and attention as may be sufficient to guard against the transmission hereafter of any statement so deficient In accuracy

' 21 It should be fully borne in mind that every statement that may be furnished will undergo searching examination at home and we trust that each one will be prepared with such care as may insure our approbation

In the Calcutta Englishman we find that the local authorities are beginning to act upon the foregoing instructions, and the several darogalis have been ordered to ascertain within the shortest period practicable -

1st The number of date-trees in every village, and the approximate quantity of molasses they are likely to produce

2ndly The number of bregahs cultivated in every village with sugar-cane, and also the approximate quantity of molam likely to be obtained

In furtherance of the above gauge of peons have marched out from the thannahs in every direction (with the usual intimation from the daroragees not to forget bringing one rupee nuzzur from each village) to attend to the wishes of the Ozoor and probably we shall in a few days hence, hear the result. You may imagine the strange impression which such inquines have caused on the narrow minded ryots who already conjecture that the Company is goin, to establish sugar factories to replace the silk ones they have given up they, in consequence apprehend lots of oppression

Lircular Order of the Board -I am directed by the Sudder Board of Revenue to request that you will obtain and submit in the annexed form with the least delay possible for the mformation of the government of India the particulars therein indicated respecting the cultivation of sugar, and the manufacture and consumption of sugar and goor in the several districts subordinate to your control

2 The information being immediately required you will be pleased to consider this an urgent call

" Estimated cultivation of cane in biggabs of feet souare each.

· Fide Statements of the extent and population of British India as officially returned by the Searcher of Records of the East India Company in first Appendix to the third Report from the Scleet Committee of the House of Commons 1881 These statements have been adopted by the Honourable Mr Elphinstone Vide his History of India, vol 1 p 5"

+ Census taken in 1812, wide Davis's 'China, p. 418" '\$ According to Mr. McCulloch, wide Geographical Dictionary 'vol 1 p 852 the relative density of the population of France, abounding as it does in capital manufactures, and large towns, is nearly 164 to the square mile "

⁴ E timated produce from cane in maunds of goor of The e timated number of date-trees
The stunded produce from date in maunds of error of the stunded produce from date in maunds of error of the student of the state in maunds of error of the state the student of the state in maunds of error of the state the student of the state in maunds of error of the state in the st

The estimated produce from date in maunds of goor of the seath The estimated consumption of the district whicher in sugar khar goor, or the raw cane itself the whole being reduced into their equival has in goor in maunds of the cech

Computed at an average of per head during the year, on the assumed, or ascertained population

¹ The object sought by the returns is to ascertain the quantity of sugar produced and the quantity consumed in India.

The form sent is to show the best way of furnishing the information

As the produce its valuated in different conditions it is desirable to adopt one into which all the others may be converted. In this above form goor has been taken being the denomination of the sugar after the first booling of the junce expressed, and the equivalents in goor of all the other quotinus may be easily a certain end by inquiry. More than an approximation to the actual consumption is not expected. At the close of the heading of the last column is suggested what appear a ble the radiest mode of attaining that

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KURRACHEE — When this country was subjected to British authority it was divided into three districts of Kurrachee, Hydrabad, and Shikarpore The first is considered the favourite stition, and has the advantage of the sea are, but there is great scarcity of good fresh water For a small civil station it is well adapted, but not for the head quarters of a province. The buildings that have been erected for the civil and military seivice are numerous, but few are well built. The barracks are commodious and comfortable buildings, well situated. The hortcultural garden does great credit to those who have planted and superintended it. The right bank of the Indus forms the principal boundary line of thus division until within a few miles above Sewan.

HIDBABAD is a sudder or a collectorate statuon, far more centrical than Kurrichee II was so during the Sikh rule This large, dirty city is stuated on a hill to the north of the fort. When the filthy state of the town is taken into account, it would be considered tolerably healthy, were it but kept in a clean state. The fort and the mud wall tandahs are the residences of Europeans, the latter kind of uncomfortable erections are also dwellings of the narives. The Hydribid district includes all the country between the left bank of the Indus and the desert, and northward as far as the territories ceded to Ah. Morad

SLILARPORP is not situated on a navigable river. This district extends northward to the boundaries of the independent states on the right and left shores of the Indus

Sci of the Scindian Protinces—" Near the banks of the river the soil is in many places of a bane study description but where this does not form the principal characteristic, it can is to fash the bank ruch clay, exceedingly lettile, large tracts of land are impregnited with untriand of course valueless for agricultural purposes. The hills are compared of study to and therefore barren, still but the distance thereform a pleasing back around to the view and a relief to the cys. Some of the limestone occasionally met with use of a ware sated inture red and green hues. Numerous fossil sea shells have been discovered in these hills, full 200 miles from the sea

Irrigation ---- "This is principally effected by siver and canal water wells are very seldom resorted to During the height of the flow of water, which lasts about two months, little or no exertion is necessary for leading them to an approximate land At other times the Persian wheels are used these are of a most deplorably clumsy construction, generally worked by a camel, whose tail ungainly gait looks most miserable. and even indicrous, when harnessed to the apparatus blindfolded, and stalking round and round all day the trough that seceives the water from the pots on the wheel is so badly constructed, that full a mosety returns from whence it came, thus causing double labour When the rivers get very low, and the waters have to be raised fifty or one hundred feet, it is usual to have a reservoir midway , and in that case two whicels and a double set of camels, or cattle, are required to bring the water to the desired level Canals are constructed in every possible direction, but though necessary, they are the cause of constant expense and vexation The canal clearing senson is the annual harvesthome to numerous people, who receive large advances for clearing them of the sand &c , which settle in the beds during the past mundation. It is usual with the parties thus engaged to put off all debts and difficulties till this period when they are liquidated instanter from the advances received from government. It appears a necessary evil, but no doubt, when time will admit, the sirkar will get ten times the labour, and consequently good, done for one-half the present outlay Watercourses are constructed of a considerable length from the different canals these intersect the country in every direction, and greatly impede travelling As rain cannot be depended on, these artificial contrivances are actually necessary When, however, by good chance any heavy rain falls about the end of June, it proves a perfect godsend, as it enables the seed to be sown before the rise of the rivers Such seasons prove plentiful but they are rare indeed

Culturation -" As the natives of Scinde have not yet learnt the value of an export trade, the cultivation of the country is confined to such produce as they require for home consumption Indigo, cotton, tobacco, &c , could be grown to any extent, and prove as productive as in any part of India-but at present these staple articles of trade are neglected except to the extent of local consumption, and will be so till European capital and skill are brought into play In Lower Scinde the staple growth consists of Joar (Holcus Sorgum) and Bajree (H spicatus) and Dhan This harvest, which is gathered in December and January, is that which is principally depended upon Dhan proves highly productive on well-flooded lands, when the river has risen to its full height, but in some seasons this crop fails, and cannot be depended on as well as the first mentioned grains, which are produced by artificial irrigation The sugar cane thrives well in many parts of Lower Scinde, is capable of vast improvement, and might be greatly extended Indian corp, sweet potato (Convolvulus batatas) and various other nutritious productions thrive well, but the cultivation is very limited indeed scarcely enough for local consumption In Upper Scinde, wheat, barley and gram are staple grains under cultivation, and any excess of produce finds its way by easy tiansit to Lower Scinde, where it is retailed to great advantage, and at a high price

Gageer and Waste Lands — 'The Jageer lands' are far more extensive in Lower than Upper Scinde Thuy comprise more than a fourth of the territories attached to the Bruish rule It was a wase policy, and certainly a just one of Sir Charles, to restore to the Jageerdars their reul-fee lands, and his orders, from all f can hear, have been judicously carried out When lapses by deah take place nany of the Jageerdars who have been confirmed in their Jageers by the English government, a fourth of the value or produce of the said rent tree lands, via, the Jageerdars have, is to revert to government. This is a fair provision, as it does not affect the neumbents, and may be looked upon in the light of tribute. These parties have undisputed and quiet possess on of their lands, and where they derive water for irrigation from canals formed at the expense of government, there they are called upon to pay a certain sum as their share for the benefits derived

"The waste lands are very extensive, principally situated in unfavourable localities for imigation Such tracis as are impregnated with carbonate of soda, nitre, and muriate

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of soda, are of course utterly unproductive, and the extent of such tracts is very great, the wate lands first mentioned are not however completely useless, as the shrubs and jungle lound on them serve to tead large herds of camels and cattle

Population -" The Mussulman sect predominate over the Hindoo, it is said, by three to two A year or two ago an attempt was made to ascertain the extent of the population, both is to number and classes, but the people appeared averse to giving the necessary information and the governor has a too noble and English spirit to ascertain the fact by force all attempts were therefore withdrawn, and it must be left to some future period to ascertain the fact. It is next to impossible to form a tolerably correct guess -of the large cities and towns a pretty near estimate could be made, but that is of The territory is said to be thinky peopled, and perhaps correctly so, owing little use to agricultural pursuits being confined to the localities which have the means of irrigation by rivers and canals. If wells were resorted to more generally, as is the case in Upper India, there is no doubt that numbers would be attracted to the province, as the land is very productive when properly attended to The Scindians are, generally speaknig strong and hardy, many of them tall, with dark complexions Those who are in comfortable circumstances, and not exposed, are however very fair This is particularly the case with the women, who are secluded, and may correctly be termed of the fair Very few Rappoots Brahmins or ladies to be seen. Meat and wine do not caste come amiss to them They are a very industrious set, and the most wealthy as the natural consequence All are addicted to smoking to an alarming extent a hookan peculiar to this part of India, is in use the hookah bottom is of earthenware-very large to which a nearly horizontal snake is attached, so adjusted as to enable the smoker to sit at his ease on the floor, and continue his work, smoking at the same time the snakes are often four or five feet in length They smoke tobacco, as also ganiah (Cannabis Indica) to a great extent, supplied from Candahar Cabul, and the countries between the Indus and Herat They use and smoke it the same way as the Egyp The dress of the people is unlike any other part of India Their caps are extians tremely tanciful and pretty but give no shade to the face they are made of quilted cloth, and of all the colours of the rambow, some are worked in with gold and silver thread The turbans worn by the Hindoos are of an immense magnitude, and it puz zles the beholder to know how they can be constructed, these turbans are the repositorus of any valuable documents they may have, as well as jewels, or other light property Nearly all whether Mussulmans or Hindoos, wear beards, which they often dye of a red colour. The women are also fond of dyeing the hair. The better class of Scindians wear a long shirt, of fine or coarse cloth, agreeably to the circumstances of the wearer, which reaches nearly to the ancles and is unconfined by any waistbandalso loose drawers underneath All the poor and working classes have an enormous quantity of superfluous clothes on, generally dyed blue, and they wear them round the waist Indeed so enveloped are they that had they been inhabitants of a cold region, they could not have required more clothing than is now resorted to The better class of tennies follow the practice of the Egyption women, and when walking abroad are covered with an immense piece of cloth in the shape of an extinguisher, which is gathered together on the crown of the head, reaching to the soles of the feet having small excit-holes periorated in front, before the eyes to enable them to see their way, these envelopes are of white cloth and the wearers look like so many walking phosts The population suffers greatly occasionally from epidemic disorders, as is the case in all parts of India and therefore must be calculated upon accordingly

Revenue Collectons — The system in vogue during the native administration is still corried on which serve infin, modifications, which, under European management, is consulered objectionable. The land revenue, I have been informed is with some very trifting exception. Takin in grain and the average share appropriated to government varies a lithind and a tourth. The other two portions are immediately and which spreaded by the cultivators to satisfy the present wants of themselves and the surrounding population which the government share must be stored until the markets get exhausted, or leab das-

posed of at a very low rate. It also places it in the power of the government to create a monopoly, if such should be wished and which ought not to exist Fiom casual inquiries I have made, I am led to believe a cash revenue settlement could not be introduced without much trouble, and then at a very low figure, as a preliminary measure It would also require the aid of well experienced settlement officers to carry out such a plan successfully The system of taking revenue in kind was not so objectionable during the time the Ameers had the rule, as they paid their troops, public and domes tic servants, &c , in grain-thereby finding a vent for the produce, which under the European system of management cannot be resorted to The farming practice prevails for minor revenue collections in Upper and Lower Scinde, as in the time of the native reigns Indeed it will be out of the question altering the old system without the aid of experienced revenue officers and even to them it will be a difficult task to persuade the rural population to swerve from old and established customs A very experienced and well informed Scindian whom I met at Jussulmere, gave me the minutize of the former and present management of revenue matters, but with actual experience, it would not be correct to give publicity to what he said The measures and weights by which the revenue is collected have exclusive application to Scinde

Climate --- "So much prejudice exists in disfavour of the climate of Scinde, that any individual attempting to speak in its favour has a fair chance of not being credited In my progress through the country, I have seen as many sturdy, old gray-headed men in the villages, as are to be met with in any portion of the Company's dominions The great loss of European life amongst the military, must be attributed, in most cases, to pro-visions, or existing exposure in a newly ceded province When the troops can command as many comforts and conveniences in Scinde as are to be found in Gangetic India little doubt can exist that it is equally free from disease I hear that very few casualties have occurred among the European officers, civil and military the last year or two, and such will generally be the case among those who are comfortably sheltered, are temperate and devote themselves to mental and bodily exercise in moderation Some of the staff and others, have resided in the province from three to seven years, and enjoy as good health as they could have done had they been in any favoured station attached to the Bombay Presidency In a good house well secured by glazed doors and windows, and with a single tattee, the temperature during May and June will not exceed 83 deg , and without the latter, 86 deg or 88 deg. Good houses are however rare A few are to be found at Kurrschee one at Hydrabad, and one or two at Sukkun When commodious and well constructed mansions are as numerous in Scinde as they are in the other provinces of India, we shall hear no more of the hue and cry that it has been the fashion to make without reference to the causes, since the province became a component part of the East India Company s Possessions. During all the hot season, that is from the 15th of April to the end of November, such an occurrence as a hot night is seldom known, on the contrary, the nights are cold and I have heard of officers living in well-situated localities, find it necessary to use more covering at night than they would think it expedient using in England during the summer months From October to the middle of April the weather is charmingly pleasant, and from the middle of November to the same period in February, the cold is interse morning and evening for India The extreme heat complained of at Sukkur, can be accounted for by the position of the cantonments All the barracks and officers houses are situated on barren calcareous formations--they can hardly be designated hills these rocks become so hot at mid day that none can walk on them barefooted with impunity The heat is retained, more or less the whole night, and the place never becomes cool, except for the few months of cold weather It is not just to judge of the old province from a residence at this awful station A far more pleasant and agreeable locality could have been selected for a military station a few miles lower down the stream where the banks of the river are very high and firm and the scenery romantically pretty with the advantage of being 10 det or lo deg cooler The dust that prevails in Scinde is perhaps, more distressing than any degree of heat But, by artificial contrivances, and some expense, the European resident is not

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inconvenienced Dust equally prevails in many of the military stations in the Northwestern Provinces, particularly those on the banks of the Suiledge but houses with every convenience and confort have been constructed at any expense, at those stations, to insure comfort from the external enemies, heat and dust. When such is the case in the Scindian province I doubt not we shall bear nothing more of the erris now complaned of

⁷ *Hirrst* — " The Indus is the only navigable river all the year round from us left bank many small streams, called rivers branch off. These are only of use for irrigation The Indus after the junction of the Soldedge, or rather the Gharra River, with it, has no tributars in its whole course to the sea. This is one reason why it is so far inferor to its sister stream, the Ginger ` Though these two grand rivers take an opposite course to the sea. This is one reason why it is so far inferor to its sister stream, the Ginger ` Though these two grand rivers take an opposite course to the sea? Though these two grand rivers take an opposite course stream the given is the varying points of the compass), still the prevaling winds during, the inundation of both rivers are adapted for each for the navigation against the similarity and on the Ganzer, east and south east and we may be led truly to exclaim with the immortal joir ' These are thy woodrous works, Parent of Good ''.

Scenery -' The traveller who only penetiates a few miles on either side of the Indus, would pronounce Scinde a sterile country, and devoid of all picturesque beauties. Such however is not the case, and though not very rich in forest scenery, still, very handsome proves of trees are to be met with Some of the views on the banks of the small winding tributary rivers-more particularly at the season of the mundation-are charming to the eye the foliage of the trees along the banks being rich in the extreme In the neighbourhood of Hydrabid for many miles along the winding Fullatlee, this is the case fire river view of Sukkur Bukkur, and Roree with the Rocky Island, is also exceedingly imposing as you approach from the south It would form a rich painting, if transferred to canvass at the time of the rise of the river. At Khyrpore, the residence of Meer-Ali Moorad, are numerous beautiful gardens, which would be an ornament in any pirt of the continent The babool tree (Mimosa Arabica, et Farnesiana) attains great perfection in Scinde such as is not to be met with in any other part of India Occasionally the banian tree (Ficus Indica) is to be met with but by no means common Some inferior specimens of the peepul (Ficus religiosa) are to be met with, and are valued according to their scarceness by the Hindoos The elegant neem tree (Melia Azadurachta) makes up, however, by its richness for the poverty of those just enumerated, and vies with the babool in giving effect to the sylvan views Many other shrube too numerous to enumerate, are scattered about , and, in orchards the mango tree threes remarkably well, and the fruit is as well flavoured as any to be found in this country. The view of the fort and citadel of Hydrabad is also very imposing from a distance-build well elevated on a limestone rock

⁶ transral Observations —⁶ Numerous articles of export, such as indigo, salipeter, buffaloes hides, and horns, goat skin, & c., are procerable in large quantities and remunerative pieces, between liviaribaid and Mooltan, principally near the latter place, it is to be owned but then at such prices and at such an advantageous weight, that the expense of river carring, will fall very light. This indigo is very fine and the salipetre very pure The buffaloes hides are also large, and of the least description. An agency from any infinite in Bornbaw would hind a branch agency in Scinde highly advantageous I im not well acquanted with the customs duties leviable on export transit goods of this description. But I feel sure the governor would afford every facility in encouring trade in the province. Funds to a considerable amount, would be available monthly, for good bils on Bornbaw at a sight premum.

With the exception of the direct road from the cits of Hydrabad to Roree, there is nothing worthy of the name in Scinde Wheeled car ranges subknown, indeed, the face of the country is so cut up by canals and water courses, that no wheeled conveyances could be used Camele bullocks asses, &c are the only means in use as land carrage Ilu former are poor weak creatures compared to those in use in the Punjaub and provinues. Mults of an excellent breed, are readily to be hid, but at rather high prices The bazars of the principal towns are generally well stocked, but the prices of all articles exorbitanily dear, and as nericks are not countenanced, a few wealthy men create monopoles, and keep up prices of every description of goods. At Kurrachec, Hydrabad, Sukkur, and Shikarpore, are well supplied Paisee shops, where almost all descriptions of Furopean goods are to be had and it is a wonder these traders do not look to the advantages they could derive by exporting inland produce to Bombay, instead of making remittances. The only reason that can be assigned is that it is not their profession. At the principal station of Kurrachee it was highly pleasing to hear the eulogiums paised by the native population on the excellent Sir Charles, who, it appears, by their account, lends an attentive ear to every compliant, and permits the porset persons to approach his residence with any petitions they may have, and that at any hour

"In the way of natural curtostries, the botanist could readily fill an herbal with choice and nondescript specimens, and the runeralogist and geologist be equally successful For four months in the year these researches could be followed kossil specimeas are abundant, of a description to enchant a Cuvier

"I have almost omitted to say that sait is an untaxed article in Scinde, and to be purchased for eight or ten annua per maund. This is a great blessing to the poor -Notes of a Traveller who has sopourned in the country

The above extracts, dated Mofussil, appear to be the best sketch which we have yet read of this country

ASSAM-ARACAN-AND TENASSERIM

Assam — This inland and well-watered territory is, as yet, little known. Even its boundaries seem to us to be but imperfectly determined It was divided into Upper, Central, and Lower Assam, inclosing an estimated area of from B,000 to 20,000 square miles, and a population of from 500,000 to 600,000

It is well known that the country, generally low, is very fertile, with districts of undulating hills — It is watered by the Bahrampootra and namerous streams, which, during the flood season, inundates all the low grounds — Assam owes its celebrity, likely, to the establishment of the Assam Tea Company, who have succeeded in cultivating several tea plantations, whether profitably or otherwise we have no means of knowing — The following extracts are from a sketch of the country recently written by an officer, who was sent to the district by the Indian government

He describes the jungle fever as fearful to Europeans, and the ascent in the river craft, he says, is extremely technois He was two months ascending in a budgerow, which he exchanged for a cance forty eight feet long, being a hollowed single tree Of the latter part of the voyage he says,---

"The solitances of my position, only enlivened by the song of eighteen merry paddlers pulling from morang to night, at the rate of forty or fifty miles a day, against a rapid viream was perhaps the worst part of the story. The scenery, if not positively devoid of picture-que beauty weared me from its monotionus character. Sand-banks, woods, and bills, unvaried by the residence of man or the slightest token of civiliation, constituted its leading features. Occasionally a boat might be encountered, but excepting from the rule salutation of the wild crew, the screaming of wild lowi, and the loud crash of falling banks, prostrating loby trees into the boson of the river, not a sound was heard (or eliver the pervading solutade

He reached Burpetah, his station for eight months , he says-

The population of Europicals is estimated at about three thousind souls their hats ire built without any regularity on high artificial mounds of earth, in the centre or gardens of betcl nut and plantain trees, clumps of branboos, cane and grass jungle, mango, and other large tices, under the shade of which, impervous to the sun, roads or channels intersect the town in every direction. In the rany reaction these channels owing to the nundation of the countri, are filled with witer many feet in depth. Every house, consequently is provided at one or more cances in which the inhalutants visit each other s isolarid po interes. In the earther are brought apon the little eminences at night and housed oftentimes under the same roof with the family, if not in the same room Daily may the cattle be seen winning "cross these street atreams in search of a dry spot of alan on which to graze. In this manner for four months of each year—June, July, August and September—are the people surrounded by floads but, is if endowed with amplibuous natures they seem equally happy in or out of the water, and pass ther time on beard there boats in trading with other ulings throughout Assim

Burpetah is subject to other visitations besides water --

' In January February March, and April the whole country adjoining Burpetch presents a spectrule seldom seen elsewhere the nativus set fire to the jungle to clear the land for cultivation and to open the thorou, heares between the different villages, and the awful roar and rapidity with which the flames spread cannot be conceived A space of many miles of grass jungle twenty feet high is cleared in a few hours, and the black ishes scattered over the face of the carth after such recent verdure, form one of the most gloomy and desolate landscripes that can well be imagined. But so rapid is vegetation in Assam that 1 few days suffice to alter the scene the jungle speedily shoots up with greater strongth than ever, and of the approach of the heavy rains in June it again attains a height of many feet On more occasions than one though mounted on an elephant, I have had the greatest difficulty to out-flank a fierce roaring fire, rapidly moving with the wind in a long line over the country. The elephant, of all anim is is the most fearful of hre and on hearing the approach of the element he instantly takes to flight , but the rapidity with which the flames spread renders escape most hyzardous, especially if the wind is high and right aff The best plan to adopt if a tire breaks out to windward is to circle round the nearest flank with all expedition, gaining the space burnt by the advancing flames On foot escape would be almost impossible, the jungle being impenetrable except by a narrow footpath, and this being irequently overgrown with grass if no open spot be new at hand, mevit ible destruction must be the late of any unfortunate travell r to leeward of the fire

Hunting buffaloes and elephants, deer shooting and hog-shooting are the principal sports. For the short period of six months, twenty cases of men killed by wild elephants and buffaloes are recorded. Great improvement might be expected from the extension of tea plantations, but this is resisted by several of the tribes. This appears to have caused the insurrection of the Singphoos, in 1843 —

⁴ The real ong in of the insurrection was the occupation of the Koojoo tag parden ind other ter treats. The constant destation of the Doseneolt slaves and dependents, who are the people chiefly employed in cultivation under the Singphoos, besides the advance of cultistum consequent on the establishment of a considerable village at Jeypner with European residents wis the source of much heart burning. The occupation of Mattuck tormerly under native management must also have proved distateful to a stage people possessing a viaid country and delighting in extensive hunting grounds

⁴ The lear phant is indicensus in Mutuck and the Assim Tea Company have culturated many gardens, greatly to the banch of Upper Assim and it the company studily prosecute the speculation thousauds of labourers will, in the course of time, resort thinker for employment, and become permanent settlers. Tea, it is believed, may

be grown in sufficient quantity to supply the English market, and afford a handsome remuneration to the speculators An inconsiderate expenditure of capital placed the Assam Tea Company in great jeopardy, and at one time it was feared the scheme would be abandoned The number of managers and assistants appointed by the Assam Company to carry on their affairs, and superintend their tea gardens on large salaries, was quite unnecessary one or two experienced European superintendents to direct the native establishment would have answered every purpose A vast number of Coolies (or labourers) were induced to proceed to Upper Assam, on high wages, to cultivate the gardens, but bad arrangements having been made to supply them with proper wholesome food, many were seized with sickness. On their arrival at the tea plantations, in the midst of high and dense tea jungle, numbers absconded, and others met an untimely end The rice served out to the Coolies from the Assam Tea Company s store rooms was so bad as not to be fit to be given to elephants much less to human beings The loss of these labourers, who had been conveyed to Upper Assam at a great expense, deprived the company of the means of cultivating so great an extent of country as would otherwise have been ensured, for the scanty population of Upper Assam offered no means of replacing the deficiency of hands Another importation of labourers seems desirable, to facilitate and accomplish an undertaking formed under most auspicious Nor was the improvidence of the company in respect to labourers the circumstances only instance of their mismanagement Although the company must have known that they had no real use or necessity for a stcamer, a huge vessel was nevertheless purchased, and frequently sent up and down the Bahrampootra river from Calcutta, carrying little else than a few thousand rupees for the payment of their establishment in Upper Assam, which might have been transmitted through native bankers, and have saved the company a most lavish and unprofitable expenditure of capital "

Goldwashing has become so unprofitable in Assam, that it has been almost wholly abandoned there are, however, products which a people less indolent and less addicted to smoking than the Assamese might turn to profitable account —

"In many parts of the province, coal of a good quality is found, and indeed the soil of Assam generally may be considered extremely rich it abounds in valuable pro ducts, such as rice, sugar-cane, moorgal silk, pepper, mustard-seed, and cotton But the bounty of nature is marted by the indolence and apathy of man the cultrator edidom looks beyond his immediate warks, and makes no attempt to improve his condition In fact, in agricultural, commercial, and manufacturing industry this condition In fact, in agricultural, commercial, and there are use is litely prospect of improvement, excepting by the introduction of a more active and industrious people, who might strumlate the natives to increased eventions "

The marriage customs of the Assamese have many points of similarity to those of the patriarche of Israel -

This officer says, of the country of the Garrows,

" An immense quantity of cotton is grown on thur hills This until 1843, was sub tect to a tax paid by the purchaser to government, at the market where the Garrows bring

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down their exton for sale but, owing to the mal-protices of the native collectors appointed to recurve the customs, little profit accruaci to government after the expenses of use e tailsharen thad been paid. To the encouragement of trade and a freer intercourse will our people the customs have lately been entirely adoitshed, but it is supposed that a plan for the issessment of the whole of the Garrow culturation will if possible, shortly be idopted. The elimate of the Garrow hills however, offers a senous obstacle to this measure for, according to our present information, no European constitution could endure a lengthened residence amongst them and without the constant presence of a Brihation nor the realization of a revenue sufficient to defray the expense of retaining and setting the country, could be accomplished.

The Garrows are a wild uncreasing are Disciplined troops would be necessary to protect the cultivators of cotton or other crops from their swords, speais, and poisoned arrows their neighbours, the Cossealis, are an athletic race—who, if disciplined, would be more than a match for the Sepoys Assam, if properly opened, and if steam naugation were put into regular operation, and if the people of the country were thoroughly subjected to order, would become a most productive and commercial region

ARACAN

Tais fortile but unhealthy district is included within the presidency, and extends along the east side of the Bay of Bengal, from Cape Nigrais 15 deg 53 min to 21 deg 30 min, and was wrested from the Burmese in 1824, and forms a narrow district, with many good harbours and several small inlets Its length is about 500 miles, its breadth from forty to eighty five miles The population was formerly estimated at more than 2,500,000 of inhabitants , at present at not probably 250,000 It is generally an undulated region, but with unhealthy marshes along many parts of the inlets and shores The rivers are numerous, and mostly navigable for small craft , vessels of about 250 tons enter the Aracan There are several islands and rocks off the coast Extensive forests cover a great part of the country This territory is capable of yielding every tropical product, but on coming into British possession, it was in the most savage state, and the people, under the King of Burmah, in the most degraded condition Under the Indian government, much in the way of improvement has been effected , but the country, generally, is su ceptible of infinitely greater cultivation, and of profitable exploration Salt is prepared along the salt creeks Teak and other valuable timber trees are abundant, and, where cultivated, rice, and every other tropical product grow in profusion. Many fruits, as the orange, mango, plantain, and other kinds, grow in natural luximance Elephants abound Cattle also thrive, and the fowls of the air and the fishes of the sea we said to be plentiful Rice, paddy, salt, timber, buffalo horns and hides, elephants' teeth, oils, and some su_ar, tobacco, silk, cotton, wax, &c , appear among the exports, which latter are included in the tabular accounts of the exports from Bengal Aky ib is the diref port, and Aracau, the capital, is the next in import

ORIENTAL COMMERCE

ance for trade This country will no doubt become a valuable productive, and consequently commercial district In fact, the whole of the regions, extending from Chittagong to the extremity of Malabar are, with even greater natural resources and products, in comparison to Asia, what all Italy may be considered with respect to Europe—the Asiatic regions having the supenority of great rivers and numerous safe and capacious harbours

THE PROVINCES OF TENASSERIM

THE province, or provinces, of Tenasserim were acquired by conquest from the Burmese in 1825 6 Tenasserim is divided from Siam by a high mountain range, and extends west of those mountains along the east coast of the Bay of Bengal, from between 11 deg and 19 deg north lat. The savage regions and people of Burmah separate Tenasserim from the Bhitish territory of Aracan, and Lower Siam, which stretches south to the Malay pennaula. Tenasserim is far more healthy than Aracan The rainy and dry seasons nearly divide the year into equal parts The dry has its cold and hot periods Various crops are cultivated, among others, tobacco very generally, sugar canes, cotton, hemp, indigo, various vegetables, long pepper, cardamons, catechu, and various fruts, nuts, &c, grow wild, valuable teak and other useful timber abound in the forests, sait is made along the coasts, minerals are also said to be plentiful, coal and iron have been discovered

The progressive development of the natural resources of Tenasserim has been of great commercial value since the occupation of the country by British authority. The teak tumber trade, and ship building, have been the prominent occupations

Mouratety, the capital, has thriven since its foundation in 1825, by Sir Archibald Campbell, more rapidly than any other European settlement in the East, unless Singapore be excepted The governor resides at Moulmeun, and subordmate anthonities are established at Tavoy, Mergui, &c. Moulmein is in the northern division of Tenassenin, called Maritaban, and situated on the river Khan Luen The island of Balu forms a natural breakwater, which completely shelters the harbour The internal river navigation, and its port, with the rich internal country, renders Moulmein one of the best seats for a commercial emporum in the East These advantages account for its floarishing trade and for its propentive Its direct trade with London commenced in 1837

STANDARD OF COINAGE WEIGHTS, AND MFASURES, FOR BRITISH INDIA

A considerable amount of business is transacted according to measures and weights recognised by local assay, which are noticed elsewhere according to the Presidances in which they prevail but the following having been d.clared standard throughout the Brutsh terntones in India are bere inserted—See also Calculati, Madria and Bonbay

Comage -The standard com of British India is the Company's rupee, weighing 180 grains

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troy or one tola and containing eleven-twelfths silver and one-twelfth alloy to which the other silver coins viz double hall and quarter rupces, and two anna pieces, bear in all respect a due proportion The value of the Company's rupee is nearly the same as that of the Madras bombay, Ferrukabad, and Sonat, and is equal to lifeen-sixteenths of the late succa rupee

The following are subdivisions of the Company's rupee -

3 ріє = 1 рука 4 pysa 🛥 1 anna. 10 annas = 1 rupee.

Heights — The unit of the British Indian ponderary system is called the tolah. It weighs 180 grains English they weight. From it upwards are derived the heavy weights viz chittak, seer and mun (or maund) and by its subdivision the small or jewellers weights called mashas raties and dhans

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5 tollah = 1 chuttak = 1 oz 17 dwt 12 gr tr
 4 Dhan == 1 rutter. = 1 875 gr troj
 8 ruttees = 1 masha = 15
                                                16 chittaks = 1 seer = 2 lbs 6 oz troy
s ruttees = 1 masha = 15
12 masha = 1 tola = 7 dwt 12 gr
                                               5 seer
                                                             = 1 pusseree
                 8 pusserce = 1 mun = 100 lb troy or 82 2-lb avoirdupois
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The mun is sometimes called the Buti h India sometimes the new hazar mun or maund For the conversion of English troy weights into those of India the following scale will suffice ---

lb Troy	Ounce	Penny weight	Grain	Telas and De cumais
1	12	240	5760	38 000
	1	20	450	2 6066 &c
		1	24	0 1333 &c
			1	0-0058 dec.

The agreement of the mum weight with the 100 lb troy affords a ready means of ascertaining its relative value in the standards of other countries employed in weighing the precious metals, as tables of the latter are generally expressed in weights troy

Troy weight being used only for bullion, some rules are necessary for the conversion of Indian into avoirdupor weight, the latter being used exclusively for commercial transactions

As 3) seers Indian weight are equal to 72 lb avoirdupois the following scale may be adopted for smutual conversion viz to convert Indian into avoirdupois weight multiply the weight in scer by 72 and divide by 30 and the result will be the weight in 1b arondupois Or multiply the weight in muns by 36 and divide by 49 and the result will be the weight in cwt as ordupois

T) convert is ordupois into Indian weight multiply the weight in lbs by J2 and divide by 72 and the result will be the weight in seers Or multiply the weight in ext by 49 and divide by St and the re ult will be the weight in muns or maunds

To facilitate calculations it may further be observed that 7 muns are equal to 576 lbs 49 muns to 36 cwt and 204 muns to 180 cwt. or 9 tons or one ton avoirdupois is equal to about 275 muns

1 UBLIC LOANS IN INDIA

India Stock - Cupital 6 000 000L bearing interest at 104 per cent , which rate is to be maintained during continuance of the charter

Is dia Bends beiring interest 24 per cent payable 31st of March and 30th of September

New Fire f(x) for the transfer Reinstable 1 an -This loan bears interest at x per cent per immum pixels 1 in searly to residents in India in cash and in Europe in bills at twelve months date at the rule of 2s 1d per succa rupee. This loan caunot be paid off before the 22nd of April 18.14 and not till after filteen months previous notic. The principal receivable at the option of the hilder other in eith at the general treasury of Cilcuits or in bills on London at two semonths dute at ? 17 per siece ruper the Court of Directors having the option of postponing payment of the same for one two or three years paying intere that 5 per contiper annum

I ransh of this loin may be registered at the India House Bergal Book D by 1 star Dec 1 31 10th Jug 1830 and 13th January 1836 - These loans bear interest at a per cent, physicle half verify

CEYLON

The island of Ceylon is separated from the Tinnevelly Coast of India by the Gulf of Manar, the gulf is bounded to the north-east by a narrow ridge of sand and tocks, mostly dry it is called Adam s Bridge, and it evtends nearly east and west mine or ten leagues, the east end joining to the Island Manar, which is close to Ceylon, in about latitude 9 deg north, and the west end to the Island of Ramisseram, situated close to the continent. There is a harrow passage for small country trading boats, drawing about three feet water, between the island and the man, but this bar or reef excludes all other navigation

Ceylon extends from north to south between 5 deg 56 min north, to 9 deg 50 min north latitude From Dondra Head to Point Pedro, its length is about 270 miles, and in its greatest breadth about 145

The Portuguese landed here in 1505, twelve years after which they began to settle factories They were previously opposed by the Arabs, who apprehended the loss of the trade in cinnamon, with which the latter had until then supplied all Europe The Portuguese were kindly received, and formed a treaty with the King of Candy, who agreed to pay annually 250,000 lbs of cinnamon, on condition that the fleets of Portugal should defend his coasts from invasion The Portuguese then obtained permission to build a fort at Columbo In 1623 the King of Candy made war against them, but being defeated, he was obliged to accept of a peace, on condition of paying the Portuguese a tribute of two elephants annually.

The Dutch landed in Geylon in 1602, and in 1638, in consequence of the alleged crucities and insolence of the Portuguese, the King of Candy sent an embassy to Batavia, to request the assistance of the Dutch against them, and the Dutch sent an army and fleet for that service, "and," says Milburne, "by open wars and secret contrances, they in the coarse of about fifty years expelled the Portuguese from the island, of which they retained possession till 1796, when the ports belonging to them were taken by the English forces, who continued masters of the sea coasts of the island. It was fully conceded to the British in 1814—16 Wild animals of all kinds, from the elephant downwards, abound "

The principal ports and trading places have been Aripo, Calpenteen, Negombo, Columbo, Matura, Point de Galle, Batticaloe, Trincomalee, and Jaffinapatam Of these, Columbo, Point de Galle, and Tinicomalee were the only ones frequented by large ships But recent changes have been made The following sketch of Ceylon, drawn by Mr Cushing, American minister to China, appears to us the most correct, as it is the most recent —

"This island, the Taprobane of the Greeks, the Serendib of the Arabs, the Lanca

of the Brahmins of India, the Ceylon of Europeans, has a very good name of its own, to wit, Singhala.

" It is inhabited chiefly by a race of men similar in their physical characteristics to the natives of the south of India, but for the most part of the Budhist, and not of the Brahminical species of the general religion of India; and after having been in part subdued, and for a time occupied, first by the Portuguese and then by the Dutch, it is now wholly conquered and possessed by the British, as a colony in immediate dependence on the metropolitan government.

"Although situated nearer to the equator than is the Indian peninsula, the meteorological position of Ceylon is a more advantageous one, so that its climate is milder and more equable, its surface is better watered, to which also the nature of its geological formation contributes; and in consequence of all this, and of its peculiar political condition, it affords a very favourable specimen of the most fertile and productive of the interropical regions of Asia.

"Ceylon is egg-shaped, and its coast is very little broken by inlets or other irregularities of outline.

"It presents to the eye the general aspect of a region of irregularly-disposed mountain ranges, several of the peaks being of great height, and the whole surrounded by a wide belt of more champaign constry on the sea-coast, intersected by many rivers of extremely circuitous course, and covered with vegetation, including a great variety of fruit and forest trees and shrubs, affording for its principal agricultural productions the cocca, banano, and areca palms (with arrack, oil, and coir cordage, made from the cocca-tree, cinnamon, coffee, tobacco, augar, both of the cane and the cocca-tree, and rice, which is the principal food of the inhabitants.

"In addition to these agricultural productions, its land or its sea affords to commerce several varieties of building, cabinet, and dye woods, buck-horns, gens, chank shells and pearls.

" It abounds in elephants; but these are of little use in commerce, as they generally afford no ivory, and have ceased to be much in demand for war and labour, and they are slaughtered in great numbers as wild game and to deliver the cultivators from the injury they do to the crops. There is an English officer now in Ceylon who, it is well known ' there, has killed with his own hand nearly a thousand elephants, simply as objects of chase.

" Ceylon consists, with reservation of parts of the sea-coast and of some few exceptional substances in the interior, wholly of primitive rock, as greenstone, granite, syenite, and especially gneiss; these rocks, in every degree of combination, forming the body of the island, and the soil consisting of its disintegrated or decomposed ingredients, in which felspar and quarts greatly predominate, enriched in some parts, though very sightly, by vegetable accretions, and by natural or artificial irrigation.

"Among the mineral substances exceptional to the general substance of the interior of the island, are aitre caves, plumbago, manganese, and iron ores, and small ledges of dolomite. Gold and quicksilver are spoken of by some authors, bat Davy and other careful inquirers positively aver that no such things are to be found in Geylan.

"The mountains and hills of Ceylon, according to what is usual elsewhere, in the case of rocks of the same family, generally have rounded summits and sides, but with deep valleys and ravines in which the rivers flow. It is a singularity of their structure here, that, with scarcely a marked exception, all the valleys have outlets, and it is very rare to see in the interiors takes or a pond. All the valley shave outlets, and ground requires it, being trained in the rice; the soil, where the nature of the bankments, which retain the water, and afford the means of crossing the overflowed paddy fields.

"In certain parts of the island the earth is capable of being cut up into cubical., lumps of a substance called by the natives colood, which is much used in building walls as a substitute for brick. It is a highly felspathic granite rock, in a state of imperfect decomposition. And the great quantity of felspar occurring in parts of the island, gives to the soil of those tracts a hardish clayey structure, which is very distinguishable in the smooth and firm substance of the roadsides in the interior, wherever the disposition of the ground has given occasion for deep cuts

"Calcarcous and sand rocks are found a some tracts of the sca-coast, but they are obvoously superficial, foreign to the general structure of the shand, and formed, according to the best opinions on the subject, by maritime causes, slogether contined to the relation between the coast and the sea, and local even there. Of this description seems to be the reef or isthmus of sand, sand-rock and coral, which almost units Ceylon to the mainland of India It is not well settled whether this reef is now in the course of growth or decrease, or whether it has altered whether this reef as now in the course of islands of Maarr and Raneswaram, by means of it Ceylon once formed part of the Indian pennsula, and the relative configuration of the two coasts seems to support this tradition.

"Such in general are the formation and the most important productions of Ceylon

"Simple is the structure of this island is, the gravest errors on this subject appear in works of well deserved reputation and authority

"Hamilton ('Eastern Gazetten;' sub soce) gives a more exact idea of the soil of Ceplon, describing it as 'derived from the decomposition of greas, granite, or city ironstone, the principal ingredient of the three being quarks, in the form of sand or gravel, and decomposed felepir in the state of clay, combined in different proportions with the source of ron" Bat Hamilton proceeds to say, 'It seems extraordinary that, in an island the foundations of which are calcureous, there should be to little calcureous matter and to longe a proportion of silicous matter in the soil "When Hamilton saw so phanly that the assumed premises led necessarily to a false conclusion, it is very strange that he did not reject, or at least question, his premises. The assumption that the foundations of the island are calcureous is a gross error, which keeps possession of its place in the books, it is inconceivable why, in the face of the most obvious and circumstantial facts

"Leaving these general topics, it may be acceptable to dwell more at length on some particular ones which are quite special to Ceylon—namely, the cinnamon culture, the cocoa culture the chank and pearl fishery, the building cabinet, and dive woods, and precious stones

⁴ Pirst, as to commonor culture. This production in its perfect state is almost a monopoly of the island of Ceylon and its growth is confined to a very narrow tract of land on the south-west side of the island, chuch yin it is neighborhood of Colombo This does not seem to be the result of political arrangement merely, but to arise from some mapprecable virtue in the combination of climate, soil and water and their relation to each other, in this island of Ceylon, and in this part of n Some of these peculiarities it is easy to indicate, without its being so easy to understand why the particular coasequence should follow

⁶ The tract of country in "which alone the consumon grows to perfection, is situated on the sea-coast exposed to the air of the ocean It is in a climate of equable temperature, which is at once hot and moist—hot from its tropical position and moist from the frequency and pientifulness of rains — The general level of the country is low in the mids of fresh-water lakes, divided from the sea by a narrow riband of land. And the water in the soil of the cinnamon gardens is of extraordinary purity so as to be for that reason much in request in the neighbouring eity as a beverage. This exact combination of influences does not occur any where cless in the sisted, at least not in the same degree

"But the crowing fact is the nature of the soil. It is in great part pure quarts sand, of a greysh to a pearly while listing A specimen of it being carefully dired by Dr Dary, was found to consist of 98 5 shicrons and 05 vegetable matter, and 1 water. This circumstance impresses one very strongly on visiting the cinnamon gardens, it vetus so strange to see a plan of pure quarts sand whitened in the sun, and yet covered over with a lowarnant growth of trees. In richer soils the aroma is said not to develop itself in the same concentrated form

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"These plantations may well suggest a doubt as to the truth of the proposition so unqualifiedly laid down by some authors, that 'earth, destitute of organic matter, cannot austain vegetation.' Certainly it is not organic matter which supports the cinnamon trees of Colombo. Another case to the same effect is that of Ayun Musa (the sources of Moses), in Arabia where I saw a spot of the most unmuted and uppromising sand converted into a garden simply by duranal urigation.

"Perhaps the name of garden, which is commonly applied to the cinnamon plantations may lead to an erroneous conception of their nature. The cinnamon tree (*Lawrus cinnamonum*), in its natural state, grows to the height of about twenty feet; but the bark, which is the only valuable part, is found to lose much of its highly aromatic quality in the mature tree. Accordingly, the trees are cut young, when the stems are only five or six feet long, and less than an noch thick at the largest end. The bark is then stripped or peeled off in long pieces, like willow hards, scruped carcefully to remove its cuticle, and laid out to dry, in doing which it curls up in quills, as they are called, and it is then ready for the market, but improves by keeping for a while. The wood is good for nothing but foel. Ownig to this mode of cultivation, the cinnamon garden has very much the appearance of a forest of scrub oak, the rich bright green leaves of the small trees being strikingly in contrast with the white same of the plant which they grow.

"It is possible that the fragrance of the cinnamon groves may have been sensible to voyagers along the coast of Ceylon, but if do not believe that it often happens; no such fact was perceived on board the *Brandywine*. There is very little of this fragrance perceptible in the gardens themselves, and the idea of its extending out to sea is laughed at in Colombo.

" Secondly, the cocoa tree. In the moist, warm climate of Ceylon, many species of plan flourish, and they constitute a class of objects among the most beautiful in the landscopes of the island. They are of great and various uses in the arts of life and in commerce. The talpot, the areca, the banana, the royal cocoa, and the ordinary cocca trees are the most conspituous and miteresting of the trees of this elass. The cooca tree, above all, is valuable nor only for its esculent aut and its milk, but for the arrack, the sugar, the oil, the cordage, the thatching, and other secondary things which are derived from its frunk, its frunt, or its leaves, in consequence of which every occoa tree is a precious projerty, and is the subject of a tax to the government.

"Thirdly, the *chank* and *pearl ficheries*. All the women of India are accustomed to wear a number of ings on their ancies and arms, especially on the latter. These are made sometimes of metal, sometimes of other materials, among which a large shell found in the waters of Ceylon, a species of *buccimum*, a very much in request, and of which a great amount is sent to other parts of British India.

"But the demand for pearls is still more universal in the East; and their adoption as an article of personal ornament in Christendom also, extends the demand to Europe. The pearl oyster beds lie in the Straits of Manaar, between Ceylon and the mainland of India.

⁴¹ These two faheries are held by the government and farmed out to individuals under very stringent regulations. The pearl oysier beds, especially, require repose for the renovation and growth of the oyster, without which the whole fishery would soon be exhausted by irregular divers, and thus destroyed. Accordingly, it is only at intervals of several years that pearl-fishing is permitted by the government.

"Fourthly, as to the building, cabinet, and dye woods. Of these a great diversity is found in Ceylon, among which the most noticeable are-

"1.1 Teak wood,—There is said to be but one species of teak-wood, and yet three woods aresold in Ceylon under this name, which closely resemble each other m colour, form, or five, and as forth, but differ very materially in closeness of grain and in weight. Whether they are distinct species of the *lectoma*, or varieties of the *lectoma grandis*, or trees of some other greuns resembling teak-wood, are questions which I an unable to answer. Either of these things may be quite possible, for on comparing the forest trees of Europe and of the iUnited States, we find many examples of trees accreated using usinkable by any botanciat difference, and by producing woods of very dissimilar qualities. I have

already, in a previous letter, expressed the opinion, derived from competent judges, the best of the texts timber of India is, on the whole, inferror to the best of the toks timber of the United States At the same time, however, this on comparison may prore, the teak wood, it is said, is tongh and strong—that it requires little seasoning and little care of preservation in any climate is very durable, and being oily is good for iron fastenings, and is undoubtedly the best ship timber of India One of the avenues of the Pavilion (Government House in Kandy is of young teak trees, but it proves quite unfit to be used as an oinamental timber tree, owing to the extense deciduousness of its large leaves, which perpetually encounteer and d.file the grounds

"2 Ebony (Drospyrus ebenus) — This wood is one of the staples of Ceylon The tree is small, and it is only the inner part of the trunk which is valuable, the exterior or appy layers of it being rejected 14 qualities of extreme hardness association of polish, and black tint are well known It is employed in Ceylon in the fabrication of carved cabinet work, such as chairs and bed posts, which are manufactured at Galle with much taste and hearty

"3 Calamander wood —This wood is very hard exhibiting when polished a variety of mixed colours, in which black and fine chocolate predominate, with some lines of a fawn colour It is made into tables, in which it greatly resembles the black walput of the United States

"4 Jack wood (Artocarpus integrifolia) — This is a light wood, nearly of the colour and grain of the Havana eight box wood but approaching more to the unit of the palest varieties of Bay Mahogany

"5 Black wood (Dalbergia latifolia) - This resembles ebony, but is not so dark or so compact and heavy as that

"6 Neparwood ---This wood when polished, presents a surface of which the groundwork is a light brown, and in which are seen large and unequal fibres of black, which though longitudinal, yet remind one of the black lines in graphic graphic

"7 Satin wood — This cabinet wood is of a pale yellow, receives a fine polish and isone of the handsomest of the ornamental woods of Ceylon. This wood is abundant and cheap notwithstanding its uses for ornamental purposes." It is the material with which the beautiful bridge over the Maha welle ganga, at Peradema, near Candy, is constructed.

"8 Sandal wood (Santalum albun) — This wood has great celebrity throughout the Cast, being used from India to China, as a choice cabinet wood, and as a perfume in the funeral ceremonies of the Hindoox I is of close grane, with a colour resembling that of the finest cedar, but a good deal lighter, and, like it, has a peculiar aromatic fragmene —both which qualities cause it to be employed very much for the wood work of fans as a liming for glove cases, ladies work boxes, and various other select ornamental manufactures of the same class. The colour of the true sandal wood is a very light red. There is another wood, however, of a redder int, which has somewhat of the characteristic odour of the true sandal wood, and is used occasionally in cabinet work. Sandal wood consulties a primary article of commerce on the ccasi of the India Archupeigo

"Some of the foregoing woods are very beautiful, but I do not lhink they equal in beauty the mibogany, maple, black walnut, curled hireh, cherry tree, and others, which are commonly employed for exhant work in America

"9 Sapan wood (Casalpinia sapan) — This is a dye stuff Its colour is yellowish like that of Brazi wood, but it does not yield of dye matter either so much in quantity or so good in quality

⁶⁴ To which let me add, though it be not a forest tree, the dye root called Chay Thus is a plant cultivated for theroots alone, which furnish the colouring matter for the durable red, for which the chinates of fudu are farous. The wild plant in Ceylon is considered preferable to the cultivated, and the right to dig for it is farmed out. This dye-stuff has been tried in Europe, but not with very advantageous results.

The laws and commercial regulations and the tariff of Ceylon, with almost every form of administration, require a thorough reform

Some good roads have been made in Ceylon — See the following condensed statements from official returns for 1847

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MISCELLANEOUS STATEMENTS CONDENSED THOM THE OFFICIAL GOVERNMENT REPORTS OF CEYLON

Population — The returns for 1943 exhibit a total of 1,121 631 and adding a moderate per centage for the natural increase since the census of 1843, the population may be safely taken it one million and a half

So superfect is the means of our information that it is said to be even impossible to secritain the said proportion of Europeans (evelouve of multary), who are now settled in the island nor does any attempt appear at any time to have been made to irrive at an accurate result as to the industrial and virtil statistics of the island, the relative numbers employed in each branch of manufactures and other occupations of the people, or the fluctuations occasioned in the several districts by the extension of cultivation and hearinval of European settlers

Again, as recards the table exhibiting births marriages and detths, during the year 1946, its materials profess to be extracted from the current records of the native Thombo holders, or registrars but on examination, it was found to be a meretranscript of the return made for the year 1845 and, in fact, that in every year since 1843, the same figures have been made to serve as the totals in each are recorded without the samiton of a unit

Reluçion — In a despatch which accompanied the 'Blue Book for 1945, wellmerited testimony was borne to the zeal and ability displayed by the Bishop of Colombo, who had just the entered on the discharge of his momentous duties

Of the reformed religion the most numerous sections amongst the Europeans and the weathber classes of the Crugales, are those of the church of Sequent and the Wesleyan Methodists, the Baptista, and the Presbyterians both of the fourier of Seculard and the Dutch-hurch. The latter having been the established form of working during the period when Ceylon was a colony of Holland, the Dutch-consistences have still been left in the possession of the churchest and the most beneficial inpulse has been given to the extension of Christmatry throngst the matters by the liberality with which they have at all tumes given the use of their buildings to the elegy of the church of England. In the centre' province of the island a large proportion, gerhaps the majority, of the Europeans and a most important pour would be guild if the price software refered by all from the prake literasity, could be opened on the through the their point would be guild to be herestier refered by all from the public treasity, could be uponed on the principle which obtains in some of the Wesl Hudin and Sutrahan colones, of their joint use by the musicipal built on the Vest Indian and twistrahan colones, of their joint use by the musicipal count of the Wesl Hudin and Sutrahan colones.

As regards the progress of the church of England three new churches have been sufficiently advanced during the year 1846 to admit of their being opened for the solemnisation of Divine wurship and one Trinity Church, at Colombo, has lately been con-securited by the billiop. The new church at Kandy is fur advanced towards completion, but owing to injudicious management on the part of the committee the cost for architectural display has been much greater than was justified by the demand for church accommodation throughout the colony A small church has likewise been licensed at Kotmilie another has been commenced at Nussera Filia, and others are proposed at Badulla, Rambodde and Putlum - Two in the district of Bulatgamme, nt Ambagumoa and Gallinngalla are to be served by Mr. Simons, the recently oppointed colonial chiphin, on his univil jointly with that in Komalic . In the neighbourhood of Colombo it is probable that several new churches will be built by native Christians Applications have been made to the bishop for elergymen from several very populous districts, and he hopes through the aid of the two Courch Missionary Societies to be enabled to encourage so very unusual and commendable a proposal on the part of the notive Gingulese. Within the same period, the ministrations of the church have been c tried to many of the out stations. Putlain Calpentyn, and Chilaw are served by one

missionary. Bellegamme, Tangalle, and Hambantotte have been newly attached to the mission at Matura, Batticaloa is visited from Trincomalee, Manaar and Mulletwoe from Jafina In the interior, Kornegalle, Matele, Cabragalla, Gampoia, and Pueslawa, have all been periodically visited by itmerant clergymen, the extent of country being so wide, and the residents so scattered, that in no other way, and by no other means, can they be reached

" As regards the Church of Scotland, a munister has, within the last year, commenced his duties in Kandy, where ample funds have been raised for the building of a church, which will, I trust, be shortly completed I its hoped that places of worship will be provided throughout those distincts of the Central Province where the majority of the European residents on the coffee estates are Scotch Pre-bytemans, but are at present entirely deprived of the services of a minister of their own persuasion

"As regards the advance of conversion amongst the native population, although there is an external appearance of progress there is reason to fear that but little way has been really made in the establishment of a firm conviction of the truths of Christianity And it is a lamentable fact that multitudes who outwardly profess to be Christians and attend on the ordinances of religion, are equally attached to the superstitions of Buddham, and resort to its temples and priest upon every emergency "

"At the same time the great body of the natives evhibit no antagonism to Christranity, such as prevails amongst the Hindoos and Mahommednas with them the chief difficulty to be contended with being their apathy and indifference to religion of all kinds

Education — "Estimating the population of this island at a million and a half the portion receiving education from approved sources does not exceed one-eighticith of the whole

"In all the government schools, in which there are upward of 3000 pupils, and a few of the mission schools English is taught as well as the verzacular languages, and snew though the number receiving this the most desirable form of education may be vet there is too good reison to apprehead that at present Eaglish education can scarcely be carried with advantage much beyond its present extent. The character of the natives is such, that it is only in localities where there is European superintendence that the dates of a teacher of a language of which the parents of the pupils are ignorant, can be performed with any degree of a theteion or success

"Besides giverimment and the missionary bodies, there are a great many ullage and temple schools conducted by Buddiust prests and others in which the pupits are trught to read and write the vernacular in such numbers that these attainments appear to be as generally possessed by the Gingalese as in the ordinary communities of Lurope. The number, therefore, who are in a condition to profit by useful books in the native lan guages is very different from the small fraction of the population given above is receiving education But it is a matter of deep regret that the books which from the curriculum in the prests and private schools are wholly of a legendury character, puterle and unprofitable to the list degree and in a fanguage too, very different from the viern-culur It is also a melancholy fact that there are scarcely any good and useful books to be school commission is now applying more sedalously than formerly, and a sum of 4681 has been estimeted for the veries in the spartment.

¹ In connerson with vernacular education, the school commission, under the presidency of the Bishop of Colombo, continues to give its services in the cause of educa tion as formedy and it has been agreed that thirty new services rule the cause of educa tablished this year, if practicable, for which a sum of 11421 has been voted. This will be conducted by masters who during the last two years have been under training in the native normal seminary, an institution, which is admirably conducted by the Rw Mr Kessen. Here forty young men and ten young women, all Congalise, receive a

 Roman Catholic chapels many of them large are far more numerous than Protestant places of worshup in Ceylon

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suitable education, and adequate subsistance money, at a cost not exceeding 750% per annum.

"At present about one-fifth of the entire sum devoted to educational purposes (viz. 12,600/.) is apportioned for education in the vernacular.

" In this conviction, the government has had numerous applications for fands in the bills suitable for the rearing of stock and European crops, for which a ready market would be found in the coffee districts and the towns and villages of the central province; and the intimation of your lordship's readiness to permit the leasing of lands for these purposes is likely to give a projet arguid as used and extra kings.

"Under the head of agriculture, however, the most important topic is that of the cultivation of

Coffee .-... "The extent to which the production of this article has increased within the last ten years is very remarkable. The export to England was-

In 1835	•			•		1,870,143 lbs.
In 1845	-	•			•	16,657,289 lbs.
And in 1846			-		•	18,350,341 lbs.

"Coffee has at all times been produced in small quantities in Ceylon, off treas planted by the road-side, or round the dwelling-houses of the natives; but it was never systematically rased by them as an article of commerce, nor was its cultivation attempted on a great scale by Europeans ill within the last few years.

"Native Čoffee is still brought to market in small quantities, but during the last year its export has greatly diminished, owing to its indifferent quality and low price in the London market. This is ascribable to the inaptitude of the native character for conducting its cultivation with energy and auccess.

"A few Gingaless and major headmen in the employment of government have within the last few years, established small coffee plantations, in imitation of the English, but as the situation and soil were not-chosen with skill or experience, they have not been emimently accreasful, a circumstance much to be regretted, as discouragements which would scarcely affect a more energetic race, are all but fatal to enterprise amongst the apathetic naives of this island.

"The quantity of land brought under coffee cultivation by European capitalists since 1834 will probably approach 100,000 acres; but lands intended to be so employed, and now more or less in process of preparation, have been purchased from government to the extent of 400,000 acres.

"In almost every particular the cultivation, even on this extended scale, has been essentially an experiment. The possibility of procuring labour, the means of transport, the quality of the crop, and its favour in the home market, were all points to be accertained by experience; and im addition to these, the elimate itself, the nature of the soil, the geniality of the temperature, the treatment of the plant and its probable duration, have all been matter of uncertainty and speculation; as no other producing country presented a direct analogy either in the character of these requisites or in the proportion of their combination.

"Soils in Ceylon which appeared favourable were attempted, but abandoned after proofs of unsuitability. Apparently luxuriant localities were cleared and planted, but only led to a similar result, as forest land alone has hitherto been found to answer the purpose, the richest grass land in its immediate vicinity failing to produce a crop of coffice, and even forest land, where it lies over clay or any impermeable basis, has been proved unfavourable to the more delicate plant

'Again, rich forests have been cut down in the lower ranges of hills and converted into plantations, but though the coffee tree grew luxuriantly and rapidly, it fuiled to yield fruit in proportion, and speedly ceased altogether to bear demonstrating the necessity of altitude and its accompaniments of mosture and temperature

"Observing that native coffee grew best under the shade of other trees, and that in Jiva and elewhere plantations are so formed, shade was at first resorted to in Cevion on the larger pluntations, but contrary to calculation and example, the result was unsatisfactory and the trees were removed, frequently to the destruction of the plants beneath them

" "A combination of rich soil, a lofty elevation a warm son and regular rans have been now accentanced to be the main deaderiat, but even when these are apparently combined, the estates on different aspects of the same mounting, though with equal soil, and to all appearance alike in climate and temperature, have been found to exhibit totally different results, those to the north cast and south west, having the full advantage of the rams in the two monsoors, whilst those of the opposite extremities are aprically deprived of it Again some estates with every favour of altrude and moisture, are swept by untimely winds to the destruction of the trees and in some distincts which are affected by only one monsoon, and lose the benefit of the other the coffee, though in external appearance equal in every particular to the best; is found so deficient in make a given weight, the difference being nevetibles chargeable with a due proportion of every attendant expense

"Experience alone, sometimes at variance with theory and calculation, has demonstrated that all these, and an infairly of other and matter particulars, each more or less affecting the cost of production, and the quality and price of the produce are incident to particular localities, and the discovery has naturally led to the total or partial abandonment of ill situated estates, and proportionate extension of those positions ascertained to be more favoured, and as the gross quantity of land, already brought and er coffice culturation, or purchased with a view to it bears but a small proportion to the great extent now demonstrated to be suitable for it, but hitherto unapplied, there is every meason to concided, not merely that an enhanced value has been given by the experiment to those situations which enjoy the requisite combination of id-integers but that these are of so considerable an expanse as to present an apple field for investment, and to supply the fullest demand which is likely to arise in the European market for the coffee of Cevion

Projectéd Ceylon Raihroad — "The number of bullock carts employed on the Kandy road, although trebled within the last four years, are still found insufficient for the planters wants Even in May, 1847, it is calculated that with all the available means of transport kept constantly at work on the main roads, it will still require a period of four months longer to bring the coffee of 1846 from the interior to Colombo, whereas, looking to the approaching unfavourable weather the whole of it should have long since been in store theree, and the greater part already shipped for Europe Many mercantile firms have still to ship two thirds of their crops, and the e two-thirds must necessarily be deteriorated by five to ten per cent, in addition to the interest at me per cent on the value of the produce thus detained , in addition to which, as the season advances, shipping is becoming scarcer, and freight rising day by day

"It was a foreshadowing of these coming embatrassments which led to the formation in 1845, of a provisional committee, for the purpose of organising a railway company for Ceylon Various lines of road have since been surveyed, and a favourable one selected, along which it is stated by the engineer of the company, that the railway may be carried from the coast at Colombo, to the central capital at Kandy, in the heart of the coffee distincts, at a gross oulday of 800,0001, in cluding several cosity bridges and an

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extensive visduct. It is suggested, however, that the more expensive portion of the work at the Kandy extremity, where the line begins to ascend the hills, should be delayed, and only those portions more easily accomplished finished in the first instance, so as to give about sixty-five out of eighty miles, for an outlay of about 500,000*l*. ; the remainder to be completed horeafter, and in the meantime the ordinarty vehicles might be employed at both ends of the lone.

Conveyance Company.— "This Company is progressing, and witherery prospectof success. Indeed it can scarcely be otherwise, for so large is their interest in colfecentates of most of the shareholders of the Company, that their own produce alone is amply sufficient to employ the establishment of the Company to a considerable profit, even allowing for lower rates arising from their competition with the native earriers. Their intention is to import bullocks from India, build earts of a peculiar construction, and organise a regular line of communication between Randy and Colombo, the disturguishing feature of the undertaking being to superside the long and tedious journeys now made by one pair of oxen from and to end of the line, whereas the conveyances of the Company will be expedited from stage to stage, by relays of cattle, thus reducing the time ronsumd from eight to ten days, to two or three, and securing the coffee from jullage and deterioration during is present tedious detention.

"" Simultaneously with these efforts to facilitate the means of carriage, a material reduction has taken place in the outlay on estates for management, salaries, and other incidental expenses; confidence is being gradually restored.

"The character of the Ceylon produce is rising rapidly on the continent, as well as in England; and I have just heard of a considerable order for coffee on French account, now executing in Colombo; the first, I believe, that has yet been shipped from the island for that destination. But unfortunately, as few French vessels touch here, this coffee has to be shipped in the first instance to Pondicherry, and will thus reach France, burdened with extra charges for freight and insurance.

"Sugar has been interpied to be cultivated on a considerable scale in Ceylon, but as yot with only problematical success. Between the year 1837, when the first estate was opened, and the present time, some ten or twalve plantations have been attempted, and capital applied, varying in each case from 50002, to 25,0002, but even the most promising of these is still but experimentary, and most of the others have been abadoned.

"The estates attempted in the alluvial soils and near the banks of rivers have been bithero the most promising; and next to them, those in the moist lands which had formerly been employed in the cultivation of rice. The plantations in elevated situations have all been more or less unsuccessful, and even the finest forest land seems speedily to lose its richness after yielding one or two crops of canes. The plant rises with great lavamance and apparant vigour, but the juice, when expressed, is found to be deficient in saccharine and crystallisable matter.

"Improved treatment, and the use of manures may, perhaps, remedy this defect ; but the latter is difficult to procure, owing to the limited use of cattle in agriculture, and the great expense attendant on all artificial substitutes.

"There are still many unattempted soils in the unexplored parts of the island which may exhibit a different result, but up to the present time, sugar has not been an encouraging speculation, and the island is still dependent for its own consumption on the annual supplies from the other British passessions. These are, to some extent, displaced by the native growth, but only in the infortior qualities, and in situations where the cost of carriage places the imported sugar at a disadvantage compared with the price of that grown in the interior.

The Cocoa-Nut Palm.--- "The cultivation of this tree has, of late years, become as important as an article of commerce and export, as it has always been as an article of food and home consumption to the inhabitants. During the last site years, between 4000 and 5000 acres have been plauted by Europeans, and land suitable for this purpose is still in demand. The produce of these 4000 acres may be estimated at 4000 candies of copperais, "capable of yielding 550 tons of oil, and this at a very moderate

* The fleshy part of the nut dried in the sun preparatory to crushing.

calculation These new estates lie chieffy in the districts of Negombo, Jaffna, and Battealoa, and when the addition thus made within so short a period is taken into consideration along with the produgous extent of native plantations previously existing, which extend in a belt along the western coast of the island almost from south to north, and on the east as low down as Batticalos, an idea may be formad of the produgious capabilities of Ceylon in this one article now rising into so much demand in Europe Large establishments for crushing the oil by steam have been opened at Colombo, where it is shipped to England for the manufacture of candides by compression

" By the recent improvements in cultivation introduced by the English speculators, the trees are now beginning to yield fruit in the fifth year, whereas native plantations seldom hear before the ninth or tenth Unfortunately the years 1845 and 1846 have been so deficient in consequence that the export of native oil has seriously declined, but is certain to review. The consumption of the nuts for food has inkewise greatly increased, young to the influx of Malar cooles, and as the demand for this purpose must ilways be steady, the cultivation of this important tree may be looked on as one of the safest meetings."

"The export of Corr (the fibre which lines the husk of the cocoa nut), and its manufacture into ropes and cordage, have simultaneously increased But the rudeness of the process, and the want of proper machinery, must always be a check on its improvement and extension The subjound return shows the export of cocoa-nut oil and corr for each year since 1837, and under the former head exhibits the diminution I have alluded to as occassioned by the recent droughts

	COCOANUTOIL			COIR			
YEARS	Quantity	Yalue	Duty	Quantity	Value	Duty	
	gallons casks	£ s d	£ s d	cwt ar lb	5. 1. 4	£ s d.	
1837	638 (77 8,76	98 334 3 11	08 7 3	8(737 3 4	8 140 17 2	203 10 G	
1839	242,6% 284	16453 6 1	416 6 5	24 495 3 14	9 290 10 11	939 5 4	
1839	35 543	26 98 16 3	054 18 6	72 195 1 0	7741 13 11	193 11 0	
1840	4 3 7 4 2	32 152 16 4	8/2 1 6	23 440 3 24	73919	184 19 7	
1841	1921 981	24 061 16 4	601 11 0	31 643 1 2	7 130 15 0	178 5 6	
1842	475,967	31 242 11 7	856 1 4	26 1 20 3 26	10.162 1 7	254 1 1	
1843	726 206	43 6 3 17 9	1096 17 0	22.187 1 7	9118 16 10	27 19 6	
1844	44J 301	24 066 15 9	601 13 6	25 977 0 25	9 84 6 0	242 12 1	
1845	282186	13,945 1 10	398 12 7	19 40 2 0	8 255 8 0	206 7 9	
1840	123 381	933 6 7	108 9 8	23 197 2 19	8724 13 10	318 4	

STATEMENT of Cocoa nut Oil and Coir exported from Ceylon m the ten Years ended 1846

Cottom —4 The cultivation of this article has hitherto been very limited, and confined almost exclusively to the northern parts of the aliand, where there is reason to fer that the most suitable soils were not selected, nor the most approved dictals of cultivation adopted But now that the success of the great cuton experiment of the East India Company has been pretity well established in several parts of their possessions, and when the consumers of cuton in England are looking to the east for a more certain supply than that which foreign countries shford the cultivation in Collon offers is fair field for agricultural industry Dr Gardner, the able superintendent of the Ceylon Botanical Gardens (who has seen much of cotton cultivation both in the northern provinces of Brazil and in different parts of India) and who lately visited the northern and eastern portions of Ceylon, has stated in some remarks which he has' published on the subject, that there are large tracts in that part of the island culled the Wanny, which he believes to be admirably adapted to the production of cotton '

TRINCOMALEE is one of the finest harbours in the world This was the opinion of Nelson. It is strongly fortified

COLOMBO, the capital, is situated on the west side of the island It is also

CLYLON

strongly fortified The harbour is far from being good Population above 30,000

POINT DE GALLE has a good harbout, at the south end of the Island, and is strongly fortlifed The Pennsular and Oriential Mail Steam Ships stop here on their way to and from Calcutta, and a branch lute proceeds from Coylon, Singapore, and Chuna

Ceylon has always been famous for its cinnamon and its pearl fisheries

DESCRIPTION] Males	Females	TOTAL.
Winter Free Blacks SI cs Ahens and readout strangers	number 	в ив б т 3 663 568 017 18 289	nun ber 121 1151492 2-3 1-25
TOTAL	646 Obp	584,911	1 241 845

THE population of Ceylon in 1835 comprised the following numbers -

It is supposed that this number his increased to about 1,500,000 The native population consists of Beddahs or Veddahs, the aboriginal inhabitants, who here without clothes or houses, in the great forests, then food consisting of wild fruits and the produce of hunting, &c Cingalese, descended from the Rajpoots of India, occupy Candy and the south-west and south coasts of the island Milabars are settled on the north and east coasts, and the Mussulman descendants of the people of Upper India, —the list are dispersed over the island There are also Chinese, Javanese, Malays, Caffres, Parset tuders, half-caste descendants from native mothers and European fathers, and Portuguese, Dutch, and English The Cingalese are in religion Buddhists, and the Malabars are Ilindoos

GOVERNMENT —For some years after its capture, Ceylon was under the control of the East India Company, but from the beginning of 1802 it became entiely a royal government, and was placed under the immediate direction of his majesty's ministers, who now regulate the affains of its settlements. The executive council his composed of the governor, the chief justice, the commander of the forces, who is also heutenant governor, and the secretary to government There is also a legislative council, which includes the members of the executive council, and thirteen other members. The other eivil ofheers are assistant colonial secretary, treasure, auditor, collector of customs, and several subordinate offices. There is a military estiblishment with a commander-in-chief of the forces. In 1802 a supicine court of judicature was established consisting of a chief justice and a puistic judge, nanexed to it are his majesty is advocate, registrar, sherili, and other others. The chief justice takes precedence of all his majesty is subjects on the island excepting the governor, the commander of the forces rule suct, and ifter him the justice and storet judges.

YBARS	REVENUES	DISBURSEMENTS		
	Pagodas	Pagodas		
Nov 129 to April 1795 Nov 129 to April 1795 1797 1799 1798 1799 1799 1800 1800 1800 1800 1801 1801 to Dec 1801	pumb 6 % 353 7 %2 613 6 06 623 7,3% 377 9,83 349 7,30 000 8,43 067	Ettin be- 7 07 616 6 4 15 5 763 7 5 / 763 7 8 2/ 8 16 50 000 6,21 5 0		
TOTAL	50 05 519	47 37 867		

The following is an Account of the Revenues and Disbursements of Ceylon during the period it was under the control of the East India Company —

The receipts include the revenues of the island, and the remittances from the governments in India, or disbursements made there on account of Ceylon The disbursements contained the general charges of the island, but it is apprehended that only the extra allowances to the ticops were inserted, and that the regular pay is included in the accounts of Madras, &c

After the saland had been in the hands of government until 1813, the dis bursements are stated to have amounted to 330,0001, and the revenues to about 320,0001 per annum In this statement of the revenue, the produce of every source is included, allowing 40,0001 as the average gain by the pearl fisheries, and the 60,0001 the East India Company pay yearly for connamon, the rest of the revenue is derived from rents of land, markets, and fisheries, taxes of various kinds, and duties on imports and exports -Milbunne

YBARS	Revenue	Expenditure	Excess of Ex penduare	1 EARS	Re coue	Expenditure	Excess fEx pu d ture
1811 1612 1813 1814	£ 301 758 971 910 390,806 312,416	£ 411 949 370 401 491 770 409,369		1816 1817 1818 1819	£ 344 646 340 020 339,595 342,375	£ 450 502 411 191 454 435 475 440	£ 185 /56 764 1 94 /01 14 515
1815	876,757	511 434	134 47	1820	404 123	476 001	1 /31

NETT Revenue and Expenditure of Ceylon for Fourteen Years

Yet the excess of expenditure in the latter years of the finances of the colony, as stated in the Ceylon almance for 1833, gives the revenue and expenditure from 1821 to 1833 as follows —

YBARS	fleretus.	Expendi	Ex ess of Revenue	Excess of bapendi tur	YEARS	Rivenue		Facen of Reven c	Exc ss of Ex; nds ture
1821 1622 1623 1623 1644 1645 1645	£ 459 609 473,683 35 400 387 249 835 370 27×,368	£ 481 854 418 336 476 142 441 592 495 529 314 2 1	£ 13,328	1 0 936	1927 1929 1823 1830 1831	£ 264 85 105 12 3 > 534 403 475 120 170	£ 411 648 33 516 314 5 34 629 346,365	£ 4177 446 73205	£ 147-113 35,6,74

SEPARATE TAX OR DUTY	1833	1631	1893	1836
	£	£	£	£
REVENUE OF FORMER TRARS Revenue balan c outstanding recovered	6,263	4 910	5 719	4 413
Connamon and connamon oil (balance of sales in Eugland)	105,511	65 47Q	21 000	113
REVENUE OF THE CURRENT TRAS				
See contoms (duty on imports and exports exclusive of connemon)	64 419	103 680	66 578	66 418
Exp rt duty on connamon	1	1	47 +18	74 (3)
Sal of cipnamon	# 9 58	9 679	13 029	52 534
1 ildy fartu rented and unrented	32 196	41414	32 540	32 181
F ne grain farms ditt ditto	2.4	3150	2,796	2734
t a den farms ditto ditto	1 103	319	404	466
Salt fa me ditt ditt	29 (44	31 142	32 -011	31 872
Arrack and toddy farms ditto	31 65	35 269	31 595	32 706
Fi h farms	t 450	6,467	6 83	7 412
Chapk farm	1.5	1 163	1 211	
Ferry dg canal and lock toils	5,020	5.004	5 162	5.06
Duty a strack stills	1 1/44	2,428	11/3	2 305
P a l fai erv	25 043		40.346	25 816
Si filakat mo	1 3.141	2 35	2710	306.2
hale of indicial stamps	10 172	10 86	10 200	10.8 4
Cilcot p f postage	1 5 5 28	2 55	2 109	2 607
I rofit and los. premium on ale of bills interest on arreats of rent &c	5 371	1 (32	3 730	3,872
Ret nois in flauda and h sea	817	14	4 936	6 654
t mm int n id colonial stores and provisions &c	23 107	3/131	29 205	2 51
Muscellancous	20 194	15 930	20 4,597	71.5
Torac	43.1 220	3 5 700	168,188	405 533

COMPARATIVE Yearly Statement of the Revenue of Ceylon, from 1833 to 1836

The accounts of the expenditures for these years, and until later years, appear too confused for us to miroduce the same, and we consider the following state means sufficient in order to understand the present fiscal state of Ceylon

Abstract from the Official Account of the Revenue and Expenditure of Ciylon, for the Lear 1846

⁴ Compared with the revenue of 1845, the receipts of 1846 exhibit a decrease, under particular heads, amounting to $51\,0891$ and, after deducting from this a simultaneous increase on others to the extent of 13 3471, the returns still show a diminution of income equal to 37,7421

"The main sources of income the screations, the salt sales, and the stamps and excre, exhibit no tendency to decline those in which a fluctuation has been perciplible, are rather the evail than the permanent sources of mecome

The revenue and receipts of 1845 were Those of 1846	* * دائد 4 دا 416 409 اد	
Decrease	37 742 11	S4

⁴ The falling off in the proceeds from the sile of *government lands*, accounts for 24,892l 9s 9d of this sum

⁴ Inother item which enters into the decrease of 1546 is 6479l 1s 9d arising from the sale of a *resulue of the old stock of government communon* but this may properly be rejuded as a casually that source of meome having ceased with the abolith of the government monopoly

In the tax up n puddw and fine grain forms there was a falling off of J^{0021} 14a 10¹/d owing to a diminished production, occasioned by the untoward drought of the scison

 6 On arrack of d toddu farms there was all the decrease of 27681 but as these are always sold by public computing, their sale is higher to be affected by external and office operations curses outswise mergin-hole

After deducting the morea of heads from the gross deficiency of the year, the net diminution of income, 37,7421 will be exhibited as follows —

ORIENTAL COMMERCE

Decrease on alls of last on customs (provided in the sorthern province) as padly and the grain forms or following the sorthern province) as padly and the grain forms. as following the sorthern and provident on commission atoms on com	£ + d	E e d 94.892 9 9 64.91 9 47:90 5 82 47:90 5 82 27:14 102 27:14 172 1 560 10 42 1 58:18 1 1 75 9 13 41 13 24 41 13 24 41 13 24 43 13 26 5
Deduct increase on the following Heads -	1	51,080 13 62
On strass of revenue of former years recovered p solt black stamps memory of the on boutses relation of predeficient of the civil service patients of predeficient of the civil service autoburge recovered other heads of recepts	1844 13 22 1.02 15 2 1.03 10 84 1760 13 22 -3.3 0 12 68 5 5 2284 18 72 2.03 0 102	1334~ 1 3
	Nett decrease	37 742 11 34

"The increase of the income of sail has arisen, not merely from an increased activity in the trade in that article in the interior of the island, but likewise from an increased exportation to Bengal, and the Straus settlement The recent great reductions of duty on Indian sait in India, will occasion the export from Ceylon to elsewhere

Expenditure —" As compared with the expenditure of 1845, that of 1846 exhibits an increase of nearly 10 0000 Expenditure, 1846, 498, 2051 8s 10d 1845 448 232, 11s 10d Increase 1846, 49,9721 17s And as compared with the receipts within the year, the outlay exceeds it by upwards of 80,0001

REVENUE and Expenditure of 1846

	£ sd £ sd
Revenues and receipts in the colony	415 023 5 72
Beceipts by the agent in England	416,403 15 91
Expenditure is the colony	464 545 10 10
Expenditure by the agent in Bugland	33 639 18 0 498 205 8 19
	498 700 4 10
Excess of Expenditure	1 6160113 1

"As compared with the expenditure of 1845, the increase in that of 1846 is accounted for under the following heads -

Increase in civil expenditure Ditto military ditto Ditto commissariut ditto	£ 5 6 3.) 129 3 8 1.900 3 7 9056 14 52
Deduct decrease on the expenditure of agent in England	59 176 6 P 03 J 9
Nett increase	40 972 17 0

Public Works - 'In the department of Public Works, valuable progress has been made during the past year, the advantages of which will be immediate and parameter

"During the early part of 1846, extensive surveys were made of the cinnamon plantations which extend on all sides around Colombo

"In the central province a map of one district, embracing 30,000 acrus has been nearly completed and simultaneously with the scientific advantage thus succired, allotiments of crown lands, to the extent of 2600 acres, have been defined and partly danased of

"" In the town of Badulla, several new streets have been opened along which allotments have been surveyed and sold, and plans have been prepared for the purpose of enabling the government to issue grants in perpetuity to persons who have occupied land in that town upon temporary certificates, or who claim prescription CEYLON.

"In addition to surveys of ninety tracts of land, containing 4770 acres, were executed during the same year for various purposes; either for sale, for the arrangement of contending claims, or for special reports to government.

"In the eastern province, seventeen allotments, containing 5425 acres, have been surveyed for sale; and in the northern province, upwards of 1000 acres. Some progress has also been made with a minute survey of the town, and gravests of Jaffna.

Roads.—" The extent of roads in Čeylon in 1841 (including the entire coast line from Putlam through Jaffna, Trucomalee, and Batticaloa to Hambantotte), was 15,702 miles; at the end of 1846 it was 2338 miles; 786 miles having been opened during the five years.

"It is necessary, however, to explain that along the 538 miles of coast abovementioned from Putlam to Jaffas, and thence down the entire eastern coast to Hambantotte the road consists of nothing more than a time-worn track, for the most part over arid sandy flats.

DESCRIPTION.	3643	1843	1844	1845	1916	TOTAL.
Expenditure	£ \$2,147 10,988	£ 24,855 16,580	£ 85,431 19,383	£ 57,168 \$7,298	£ 61,022 37,627	£ 201,621 107,008
DIFFERENCE	\$2,150	8,275	16,048	29,878	28,195	94,535

Civil Engineer's Department,—"Of the public building in progress under the Civil Engineer's Department during the year, the prisons are the most important. The new criminal good at Wellicadde, two miles from the Fort of Colombo, has had an addition of sixty separate chambers or cells in one range of two stories divided by a corridor. Two wings have been commenced containing each twenty chambers, and these are to be connected with the main range by an observatory, on the Panoptikon system. A wall sixteen feet high encloses the premises; 200 criminals are confined, and being taught, under the instructions of the Civil Engineers' Department, to work as artificers, &cc., they have been extensively employed in the buildings now in progress at the prison, wind the walls a guard-house, store-room, and cottages for overseers, and other works have been constructed. The whole will be finished at a cost of 44001, and will, when completed, but he best arranged and most sevue public prison in the East.

At Hullsdorp, in the immediate vicinity of the supreme and district court houses, a prison has been built at a cost of 38001, it has eight wards for the confinement of ninety-six civil prisoners and women, and twenty-six chambers of twelve by eight feet for persons under trial or criminal offences.

"Extensive alterations have been made at the gool at Kandy, at an outlay of 10001. A lock-up house at Matele has been enlarged at a charge of 2001., and another at Kaigalle, on which 2901, has been expended.

"A lunatic asylum is far advanced towards completion at Colombo, at a cost of 42001, with accommodation calculated for 120 patients, and residences for their attendants and medical officer.

"The supreme and district court house at Jaffua has been thoroughly repaired, at a cost of 350!. A residence is now in course of preparation at Jaffus for the judges on circuit, which, when completed, will cost 800!. At Kandy a commodious policestation house has been constructed for 680!, and another at Kaigalle for 540!.

"At Peradenia, near Kandy, a new residence for the superintendent of the Royal Botanic Garden has been crected at a cost of 8001; and at Colombo, a range of public offuces, with accommodation for the civil engineer, the surveyor-general, and the commissioner of roads, have been nearly completed by private contractors for the sum of 38001, worde by the Legislative Council.

ORIENTAL COMMERCE

"An addition has also been made, at a cost of 780% to the government printingoffice, to give room for the bookbunding establishment and records and a record from and other additions have been made to the Colombo cettcherro, and its offices, at a cost of 840? There is still, however, not sufficient room for the numerous records of this office

"At Kandy, an office has been created for the Civil Engineer's Department, at a cost of 340l, and at Nuwera Ellia a commissanta store-house is in progress on an estimate for 1570d, supercinedical by the Royal Engineer Department

"In the Fort of Colombo, a large upper-roomed building with offices has been erected at a cast of 18902, as a rest-house, and let to an hotel keeper at an innual rent of 1.00.

"At Kurnegalle, a rest house and offices have been built at a cost of 500L, and at Matele, stateen miles from Kandy, on the Trincomalee road, a rest house and offices have also been built at a cost of 7601

⁴ Five masonry bridges, of from ten to thirty feet span, have been erected at Colombo, Cotta, Paratareka, Negombo and Trincomalee, at an expense of 8521 A fine bridge of two arches, each hirty five feet sprn, has been thrown across a dangerous rver, the Tahata Ova about four miles from Kandy on the Trincomalee road, at a cost of 19001, and 27001, have been voted by the legislative council for the repairs of the great wooden, bridge across the Mahawelli agang at Peraduna

"Important improvements have likewise been made, at a serious cost, in the town of Kandy and the unfortunate frequency of the visits of cholera during the last vear and this ravages amongst the European troops will reader further expenditure indispensible for the completion of the sewerage, and the improvement of the artificial lake to whose noxious exhibitions much of the prevailing disease has been, with too much apparent justice, ascribed "

Notwithstanding the glowing accounts given of the revenue and expenditure of Ceylon, both appear to us as requiring great revision

This space was known to the ancients long before nutmogs or cloves In 1621 no mention is made of cumanon as an inticle of import from India The Portuguese being in possession of Cevion, it was to be procured only at Lisbon In 1686 the Dutch imported from the island 170,000lbs of cumanon which is stated to have been rather less in quantity than in some preceding years It would be difficult in not impossible, to trace the quantities brought into Europe at this early period In 1730 it appears the Dutch imported in the number of 40,000lbs in 1776 the King of Candy a, ceed to deliver to the Dutch all the cumanon which grew in this territories at five pagodas per bale of 881bs In the five years 1775 to 1779 inclusive, the amount sold on an average was 380,000lbs per anama

 The following is an account of the quantities of cinnamon sold at the Dutch East India sales in the years 1785 to 1791 inclusive, together with the sale amount in each year

YBARS	Quantity	Value	YEARS	Quantity	Value
1785 1786 1787	1bs 309 040 453 920 144 000 485 600	£ 199 470 280 605 82,470 973 765	1789 1790 1791	354 463 400 3 5 920 183 765	£ .31 85 263 945 100 235

CEYLON.

"In 1795, on the capture of Ceylon by the English, the East India Company paid 180,0004 to the captors as the value of the cinnamon found in the various storehouses on the island.

"The following is an account of the quantities of cinnamon belonging to the East India Company, sold at their sales, in the years 1808 to 1810 inclusive, with the sale amount thereof, likewise the quantities retained for home consumption, and the nett revenue collected thereon.

1803	YEARS.		Marsh St	Soptemb	er Salo,	Tor	\F.	Retained.	Revenue nett.
1807	1803 1805 1806 1807 1808 1809	158 199 17. 140 199 160 901	125,673 158,501 29,439 191,195 168,072 167,447 320,969	158,504 109,183 172,530 140,001 193,674 164,814 902,055	44,130 45,579 82,105 67,914 57,600	257,267 357,683 200,968 261,106 366,746 834,631 433,634	78,639	Ibs, 8,762 9,880 6,672 10,389 7,974 13,1 (d) 10,267 11,364	£ 675 2094 1466 3513 9453 3613 3487 8218

^{ar} The following is a statement of the cinnamon exported from Ceylon, in the year ending 91st of December, 1844 — First sort, 32,8563 [ibs.; second sort, 210,354] [ibs.; duird.sort, 100,788 [ibs.; quality inknown, 697,321 [ibs.; total.;].041,320 [ibs.]

MEMORANDUM of Government assorted Cinnamon in the Warehouse at Colombo, on the Sist of December, 1844.

	DESCRIPTION.	ist Sort.	2d Sort.	Sd Sort.	TOTAL
		bls.	bis,	bls.	bls.
Cinnemon of	1839				1 1
13	1689		1	۱	1 1
	1810	· · ·	: 8		3
v	1841	1 5	7	1	13
*1	1842	24	161	61	246
	Total	29	173	63	100

"The production of the present year is likely to be but small, many gardeas having been quite neglected, owing to the indifferent prospects of the trade. A few properties only have been earefully attended to, and kept in good order, and in these the produce will probably be large, and of good quality. But the wild or jungle cinnamon has escased to be pealed for the last two years, nor is it histly to be resumed so long as the duty remains at its present high amount. In fact, although the government monopoly of sales was abolished, and the gardens sold by public sale, the monstrous export duties have nearly ruined the cinnamon planters."

Other Spices — Hitherto the cultivation of spices, except cinnamon, has been scarcely attended to, though both the soil and climate appear, from the little which has been done, to be admirably adapted to their more extended production. Within the last few years, a few small plantations of cloves and natmegs have been established from plants and seeds aupplied from the botnical gardens at Peradenia, and the result is looked forward to with great interest. Cardamoms and ginger might also be successfully cultivated to any extent, and would be a proficiable occupation for the natives were they as industrious as those of the Malabar country, where both these articles are extensively cultivated. This same observations apply to different kinds of plants which are valuable as dys-stuffs, such for example as the choya-root and the indigo, both of which are indigenous to the soil."

Chosolate.—" Chocolate is another production which might be extensively cultivated here, particularly in the hot and humid parts of the low country, which Dr. Gardner attes to be very similar to those parts of South America in which the tree is so extensively cultivated. There is a small plantation in the botanical gardens, but at that elevation, georgy 2000 feet, the tree does not grow freely. A considerable quantity of seed 15, however, now produced annually, from which plantations could be established without difficulty "

Tea ---- "The teaphant has lately been culturated to some extent by the Messra Worma, the most enterprising planters in the island, at their estate at Pesalawa The chimate of that district, which is about 3000 feet above the level of the sea seems well adapted for the growth of the plant, but the very great difference between the price of labour in Cevion and Chima will, it is feared, prevent its profitable culturation "

'Imber — 'The forests, especially in the interior, and on the eastern side of the island, abound in magnificent irres, many of which are well known to be valuable, not merely for economical purposes, but from their extreme beauly and suitability for cabinet work As yet, less attention has been directed to the productions of the forests of the interior than to those of the coast, and ebooy is the only export, and even this to a triffing amount'

Rice —" In former times, rece was much more extensively produced in Ceyion than it now is, more especially in the northern parts of the island, the decrease being obviously connected with the decrease of the Tami population in that quarter from political causes All that appears to be requisite for the extension of the cultivation of this essential article of food, is the re-introduction of that industrious people, and the restoration of the tanks which have failen into decay, for the purpose of irrigation.

"Ceylon has this year however (1847), exhibited the untural circumstance of an export of rice to Great Britain This has arisen from the extraordinary diemand, and the high proce of bread studies at home, and advantage has been taken of the favourable state of freights as compared with Bengal, to re export to England grain which had been imported for consumption in the colony

The Ceylon Bolanic Garden ----¹⁴The attention of its superintendent, Dr Gardner, has been directed not merely to scientific investigation, but to the introduction from other countries, and the acclimatised culturation of such exotic plants, as are hkely to add to the agricultural wealth of the island

"Prevously to the arrival of the present supermittendent, who was selected by Sir W Hocker, the garden had been so neglected as to be almost valueless to the colony By Dr Gardner's attention and exertions, it is now one of the most flourishing and useful institutions in India , large curveries have been established for the propagation and distribution of useful plane, which are sold at a trilling price to the public, and numbers of foreign trees and regetables have been successfully introduced The result has been that hundreds of thousands of trees and plants of all descriptions, have been dispersed throughout the seland, at a very moderate cost to the Government. Dr Gardner is likewas engaged in the picparation of a 'Fior Ceylonca, a work which will constan descriptions of all the plants indigenous to the island, so far as he can obtain them and thus makes to regord, of which less is known to the botanists of Lurope, than any other portion of India of equal extent

Minerals — "With the exception of a very brief sketch in Davy s' Ceylon, bothing has been published, and little is known of the geology or mineral productions of the shard. The formations are essentially primitive, and present but few features of novely guess being the principal rock. Dolomite is found in isolated positions in the interior and is the source of the time used by the natives in that part of the country burnt coral being in general use in the north, and along the costs.

"Coal is not likely to be discovered in any great quantity, although the unusual cuoumstances under which it has lately been found in Northern India, render any diotum on this subject bacardous

"Iron ore is frequent, and has been worked from tune immemorial by the patives but it is questionable, whether the richness of the veins is sufficient to justify any extensive corrections

"Tin has been found in the Saffragam district by Dr Gygax, a Swiss muncralogist of some eminence, and it is not unlikely that it may yet be opened in considerable quanity, as it is principally in metamorphic rocks his those of Ceylon that mucral

CETLON

vens are found to exist, and generally in mountainous districts or their immediate vicinity

Copper one has also been discovered in the south and in the immediate vicinity of water carriage. But without more satisfactory exminiation and evidence engagements for working it cannot satisfue be entered into

⁴ Quickelver has lately been procured at Cottah, in the immediate neighbourhood of Colombo, but only in small quantities it had been discovered in the same spot in 1799

"In the Galic district *knoine*, or decomposed foldspar, of a fine white quility and even texture, has been recently found in great abundance. It is well adapted for the manufacture of the hner knols of pottery and paving tiles, but the act of pottery and brick-making is here in the very rudest state, and much good would result from introducing some simple improvements in this branch of industry.

'Anthracite coal has lately been turned up in Saffragam

Plumbage is at present the only mineral which is exported on a large scale. It is found at the depth of ensity or ten sards in pretty rich streams in the neighbourhood of Caluton. The trade in it, during the last seven years, is exhibited by the following return —

YEARS	Quantity	Value	Duty		
	owt qrs lbs	£ . d	£ 1 d		
1840	951 0 0	122 10 1	814		
1841	2 8 1 2 2 7	268 9 4	6 14 3		
1842	1 725503	1 37 14 4	30 16 0		
1647	3 (76 3 20	524 17 4	13 8 0		
1 44	9.14 3 21	1204 12 19	39 * 4		
1415	19 245 0 15	214 19 7	6160		
1846	25 031 3 7	2036 4 5	75 16 1		

VALUE of Imports and Exports

	IMPOR	EXPOR	тв		
YEARS	Merchandise	Treasure	Total	YBARS	TOTAL
	2	£	£		1
942	F22 447	174311	794 58	184 1	463 445
N 17	721145	311 1 1	10131	1913	4 1 083
674	1 849.243 A	517 795	1 466 037	1814	521 -36
6	1 103 0 1	4411.0	1 69 125	104	4931.0
.st1	6.1	361 42	13/2 01	154	15 3 436

"These inferences and observations, however apply almost exclusively to the operations of Europeans and the results and success of foreign investments and the speculations of others, than the networks of Coylon I is a remarkable encounstance, but one easily accounted for, that all the activity and energy now so busily manifested throughen the early distinct of the island, and applied to every encourse ing department of commercial enterprise, is confined to strugers and immigrants alone and that the Cing these themselves take no apparent interest, and show no evidence of bung participations in the given and interprise of the specific section of

• Though seldom in what of the first necessaries of life, and although the great mass of the population is very much elevated above that which constitutes poverty in other country. It is a singular it cit, and somewhat discourging that there is not a single nature capitalist in Coylon though some are proprietors of land to a considerable extent and enja va corresponding mark raid unfluence in their locations.

"Under their former rules, the low county was in the hands of the Dutch, who asserted their mover of your all commerce under crystal penalues. The population of the hards and mountains of the interior, were in like manner prohibited by their rules from all trade or even intercourse with foregners money was unknown amongst them in sime for a their was nothing on which to expend or in which to neves the. The king was the should not over of all lands, and never permitted their algorither rules rules rules the remarked of public services. and thus property in land being unattainable and commerce prohibited, the accumulation of money was never thought of by the natives, and rank and the power of oppression became the sole objects of ambition

"This spirit, though checked in its manifestation, still lives in its results, and to the present day the upper classes have neither the means nor the inclination to embark in active pursuits, and the lower classes universally refuse to labour, or to enter into the service of any but their immediate chiefs

"Even the few headmen who have recently ventured to undertake plantations of coffee and cinnamon, employ not Cingalese but Malabar labourers

"No Cangalese is the owner of a vessel larger than a fahing-boat and no Cangalese is a merchant at Colombo, or any seaport in the island, the small crift by which the coasting trade, and the intercourse with Indiv is carried on being exclusively the property of Macramen, Parsees, and Malabar Chetties, from the Coromandel coast A few Dutchmen navigate square-sigged vessels, but there are very few

"The craft generally in use consist of brigs, schooners, and dhonevs, varying in size from 1 to 160 tons, the latter are badly built, cannot beat against the wind, and, coasequently, are chiefly employed only during the north-east monsoon, from November to April, and laid up for the rest of the year. Their brigs and schooners run round the island, and visits both the Coromandel and Malabar coasis, chiefly for grain. They sail also, during some part of the south-west monsoon, but are not generally considered very seaworthy. They are all manned by Lascars, and, in almost every case, are commanded by Portuguese or Dutch

"The reguster d tomage of the Colombo distinct is 16,000 tons, and of the rest of the island about 20,000 tons This description of property is evidently on the increase, and as the demand for timber and cattle from the easten ade of the island woreases and the large tracts of land planted with occa-nuts in the northern and eastern districts become productive, there will be a much ereaster demand for tomage of this description

"Most of the dhoneys are built at Ceylon, but the schooners and large vessels are nearly all built at Cochin, on the Malabar coast

"The native Cingalese are equally unconnected with the internal commerce of the island all of which is conducted by Moormen, Malabars, Parsees, and strangers, many of whom only come over from the coast of India for a searon, and return again to their wives and families All the business of the country is carried on with the capital of these men, and that of the British merchanis and planters, and the Cingalese themselves see these operations going on from day to day for the advantage of toregners without an effort to participate, either as employers or labourers, in the general benefits which are increasing around them '

Foreign Shipping --" The amount of shipping inwards and outwards, during the year 1846, exceeds that of the former or any previous year, being,

Inwards	2119	46 tons
Outwards	2114	24 tons

⁴¹ Dreights formerly ruled higher in Ceylon than in the presidencies of India But owng to the late advances in the price of cotton, and the demand for bread-stuffs in Great Britain, freights in Bombay and Calcutta are considerably higher than at Galle or Colombo, and another circumstance which has considerable influence in keeping down the rates, is that Ceylon is more resorted to than formerly by seeking shops, as well as by vessels arriving with coal for the steam vessels, and which, of course, look to obtain a homeward freight in return "

Banks, Interest, and Exchange — "There are two banks, both formed by a proprietary almost unconnected with Ceylon The bank of Ceylon was incorporated by royal clienter in 1840, and its operations are considered zerostry to this colony The Oriential Bank is a branch of more considerable establishment, with a board of directors in London and another in Bombay, where its operations are considerable, as well as at Calcutta, Madras, Canton, Hong Kong, and Singapore

"The capital of either establishments, as applied to this island, is not considerable, being about 100,000? to 125,000? each The circulation of either is proportionally limited, that of the Oriental Bank being about 15,000L, in 1846, and that of the other 27,487L

⁴¹ The operations of both are principally confined to the receipt of deposits, the sale of bills on England and the presidencies of India, and to local discounts to merchants and traders. The latter mainly comprise purchases made by the Chetties from importers, chiefly of British produce, and the acceptances of the Moormen retailers, whose paper is for smaller amounts, proportionate to their minor transactions.

"As regards deposits and the usual business of bankeng, the transactions of the year 1846 show a considerable increase over that of 1845, the pryments made by parties keeping accounts being in the latter year about one million and a half; whilst those of 1846 are considerably above two millions. So far as I can collect opinions, the nature of the business at present carried on by the merchants of Ceylon generally, is of a sound and stendy description, and partakes little of a speculative character; whilst the attements given above aford a lair view of the increasing value and importance of their operations."

Moneys .-. " Mercantile accounts are kept in British currency, but the following moneys also circulate in the island, viz, :--

3 challies == 1 pice.	The Company's rupee is current at 2r, and
4 pice = 1 fanam = 1 d .	the Spanish and American dollar at 4s. 2d.
12 fanams = 1 rix dollar = 1s. 6d.	Į

RATES OF AGENCY AND COMMISSION.

per cents On all sales, purchases, and shipments 5 With the following exceptions :-On all purchases of cinsamon, on purchase-money, and duty included 21 On the returns made with the proceeds of goods on which commission has been previously charged, if in coffee or cocoa-nut oil 5 On advertising for freights and passengers on the amount of freight or passage money, whether On effecting remuttances, or purchasing, or selling, or negotiating bills of exchange 11 On debts where process at law or arbitration is required 21 And if recovered by such means 5 On bills of exchange, notes, &c., dishonoured...... 1

TARIFF .-- INWARDS.

s. d.	1	s.	đ
Ale and all other malt liquors in casks	Rice, per bushel	0	1
per gallon 0 24	Spirits and liqueurs, per gallon		€
Do., in bottles, per doz 0 6	Tes, per ib.	0	f
Looks, bullion, pearls, and precious	Wine in bottles, per gallon	2	C
stones, coal, copperah, garden seeds	do. not in bottles	1	
and plants, cattle, instruments, ma-	do. the produce of the British possess-		
chinery, and implements for agricul-	sions	0	6
ture and manufacture, army clothing,	Goods, wares, and merchandise not other-		
fee., and timber free.	. wise charged with duty, being the pro-		
Opium, per lb 1 0	duce of the United Kingdom or British		
Gunpowder, per lb 0 3	possessions, on the market value, percent	5	0
Paddy, per bushel	Do, of foreign statesdo.		6

Prohibited.—Arms and guopowder (except by special authority from the governor), ennamon do oil, cassia, do buids, colice (except for warehousing) runn run abriub or sugar (oxcept for warehousing) the produce of any foreign country or British possession into which foreign sugar can legally be imported

OUTWARDS

Books, bullion coin pearls, precious		Cinnamon oil per oz	Û	4
stones, cattle iron tanks casks staves,		Goods wares and merchandise the pro-		
headings and hoops	free	duce of Ceylon not being subject to		
Cinnamon per lb	10	other duty on the value per cent	0	21

"The interest on money at all times high in Ceylon, has been especially so during the last year, on mortgage of landed property and other undoubled securities seven and eight per cent could have been obtained during 1843, 1844, and 1846, but in 1846 similar necommodations have cost ince and ten per can habitually, and even so high as twelve and fourteen. In some instances, so much aseighteen per cent habitually, and even so high as theirs eard fourteen. The some instances, so much aseighteen per cent hab been given on the security of houses and ground in Colombo, and is this was paid in advance, the charge may fairly be taken as an equivalent to twenty-two per cent per annum"

Gold. \rightarrow The quantity of gold imported during 1846 has been very considerable. It would, however, be impracticable, to ascertain the amount, as large sums are daily brought into the island by private individuals, who of course never eater such at the custom house. The high price maintained for the precious metal is very surprising, the average may be quoted at 1/2 so df per soveriega?

Pearl Fishery -" The result of an inquiry led to the appointment, as residentsupervisor of the pearl banks, of an old naval officer, well informed in his own line, but entirely destitute of that local experience so necessary in such a position This measure, so far as the pearl-fishery was concerned, appears to have been not only useless but "We cannot say with respect to this absurd government monopoly, upfortunate observes the Colombo Observer, 'that on this score we feel any great regret Indeed. notwithstanding the recent legislation on the subject, we cannot help hazarding the supposition that it would be well if no more measures were taken and no more anxiety felt respecting the pearl-fishery Would it not be far better to throw an extensive range of coast open to the untrammelled exertions of industrious fishermen than to resort to stringent enactments to secure at best a very uncertain revenue from a product that adds nothing to the comfort and happiness of 'the many how much soever it may be valued by the idle, the rich, and the luxurious? The recurrence of a pearl fishery would once more bring a stream of living beings to line and animate the coast extending from the village of Aripo to that of Silawatoire -Asiaties would be there to speculite and Europeans would once more look curiously on, and funcy their appetites improved by the vapours of putrefaction-supplies of all kinds (not forgetting coffins ') would pour in, and ' the *revenue* would be fattened with the rich result ' But at what cost would this 'rich result be obtained r at that of the morals and happiness of immense numbers, for drunkenness debauchery, and gambling of the worst kinds are the inevitable concomitants of a pearl-fishery

"Perhaps the protection of the banks costs more than has been realised these guineas are not therefore to be valued like common guineas, and we date say the prizeholders in the pearl lottery think there pearls as valuable as in the days of Cleopatra

"The most productive pearl-banks, are situated off Condition, extending thirty miles from N to S and twenty miles from E to W The fishery commences in March, when the calm weather permits the boats to go out and return daily

"Kilecarre ismost probably the Colchi mentioned in the Periplus of the Erythream sea as the site of these fasheries and they are carried on in the same manner as described by travellers several centuries ago. The ancient towns of Mantotte and Patlaw probably derived much of their importance from their vicinity. In 1603, 1250 divers were employed, of whom 1100 were volunteers from the opposite coast. The share of profits gave each individual 5s 9d per day for the time he was employed, of the share of ordinary Inbour being 6d per day. But each bank being available only for one period, of about twenty days in every seven years, sometimes the fashery is smaller, and sometimes ihere

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is none at all ; and in no esseon does it last for more than thirty or thirty-five days, commencing with the calm weather about the 5th of March. The diversi us ix or seven fabloans of water, remain immersed from fitty to fitly-five seconda--very rarely longer. A reward being offered to him who should remain the longest under water, it was guiced by one who remained eighty-seven seconds. The diversi sack is not fastened round his neck, but is attached to a cord held by the man in the boast above : and it is pulsed up when full, at the signal of the diver, who, if he choose, is drawn up with it. So far from the occupation being unbeakthy, it is the belief of the natives that divers live divers themackles, but other times are engaged in ordinary labour. If the oyster is taken before seven years old, its parts are imperiedly developed; yigilance is herefore teersent before seven years old, its parts are single diver loweloged; yigilance is there readers them, guite unproductive. The pearls are sold by the government to the bidder.

"About seven years is the maximum age of the pearl oyster ; but after six years they are apt to die suddenly in yast quantities. The nearer to seven years that they are fished the richer is the harvest; if they five beyond that period the pearl loses its rich lustre.

"From 1799 to 1820, there were eleven fisheries which produced 297,1034 104, 34., and from 1820 to 1837 there were nine fisheries, producing 227,1314, 134, 64. Thus twenty fisheries realised upwards of half a million of net reveaue.

"The time for inspecting the banks is in the lulls between the monscons in October and November, and the finkery always takes place at the change in March and April. A fishery used to create the utmost excitement along the whole coast of India, and as many as 4000 or 5000 people have congregated about the barren shores of Arpo, which means a *seve*, and which appears to derive its mome from the silting and sorting the pearla through a succession of ten or twelve brass culturders of the size of a large saucer. The largest holes are in the one at the top, and the lower the pearl falls the loss is the value.

"" The days for fishing are not only limited but the hours as well as the number of bonts and divers. They fish up every thing they come accros, and there is hiule time to discriminate, as their tune is so valuable; it has sometimes been at the average of 64 atering a minute! The most suitable depth of waters appears to be from siz to seven fathems, and the diver relation remains below as long as a minute; although for payment, or as a trial of strength, some of them have remained much longer, and they bring up about fifty opsters at a time.

"Among the numerous frequenters and officials at a fishery, a shark charmer is an indispensable attendant, though accidents from sharks are unknown. The office has been bereditary for several generations. He gets 9d. a day from government to assure the divers that he has secured the mouths of the sharks and driven them from the banks,

"The total value of the exports of jewellery and precious stones from Ceylon to Great Britain in the following five years has been as follows, but we are not able to state the precise amount of pearls compressed in these returns :

1899 £4458	1843, £2889
1840	1843
18412071 [

"Some valuable gens are found in Ceylon; anong those the ruby and eat-eye arethe best; topas, sapphire, and crystal are also obtained. Iron is diffused over the greater part of the island; black oxide of manganese is found; and plumbago (carbouste of iron) is obtained in considerable quantity, and exported. Weaving gives employment to many persons. The articles made are handkerchiefs, table-cloths, napkins, towels, sail-cloth, and a coarse kind of cloth used for their dress by the natives. There are also many oil-mills in operation, chiefly for pressing the cocca-nat kernels. The island contains extensive forests, in which, besides the more ordinary descriptions of timber, the growth of these latitudes, there is a great variety and profusion of beautiful woolds, well adapted for the use of the exhinet-maker.

"Among the animals of Ceylon, most of those found on the opposite continent are native to the island. Elephants are numerous, and sometimes do great injury to the growing crops Under the kings of Candy these animals were trained to perform the office of public executioners

"The trade of the Uonted Knggdom with Ceylon is not distinguished in the customhouse accounts from that to the continent of India A trade is carried on with Bengal, to which presidency it exports betel-nuits, chank shells, cordage coccoa cuts, and various minor articles, while it imports from that qu'iter cotton piece goods sugar, rice, wheat, and guinny bags'

Post and Muil Communication -" Ceylon is at the present moment, the centre of operations for the mails from China, the Straits' settlements, Benga', and Madras, as well as the French, Spanish, and Dutch possessions at Pondicherry, Java, Manilla, and elsewhere Even these communications are still but in embryo as regards future development, and when in addition to them, regular postal intercourse shall have been opened by means of steam with our Australian colonies and probably with Mauritius from all of which lines must converge at Ceylon, the future importance of this island cannot fail to be apparent And concurrently with this, will arise the grave question of the sufficiency accessibility, and safety of the present station at Point de Galle as compared with the unrivalled harbour and facilities of Trincomalee The superiority of accommodation at the latter for ships of war, its convenience for expediting communications between the Admiralty and the naval force in the eastern seas, and its fine commercial situation fronting the Bay of Bengal, and presenting a centre whence all the lines of postal communication must diverge, mark it strongly as the point towards which attention must ultimately be directed with a view to these objects in preference to the imperfect harbour of Point de Galle For packets on their way to China, Trincomplee would be an addition of twenty-four hours' steaming, but for the mails to Bengal and Madras, there would be a correspondent advance on their voyage in that direction

"As regards the mercantile interests of the colony there can be lutile doubt that Trincomsile would eventually present advantages to the commerce and trade of the island, infinitely superior to Colombo, where there is no harbour, and only an open roadstead with imperfect holding-ground, which is any thing but favourably regarded by shupping, both from its incorrestence and insecurity. The producing districts of the interior lie nearly mulway between the two places and the few miles of additional road to be traversed from Kandy to Trincomsiles will be more than compensated by arouting the three forimable mountain passes between Kandy and Colombo

"The principal obstacle would naturally be the reluctance of the merchants to abandon their present buildings at Colombo and transfer their establishments to Tracomale. But there can be little doubt that the only consideration which ever influenced the Dutch to establish the seat of government at Colombo in preference to Trancomalee, when they had their choice of both, was that the cinicamon plantations from which they chiefly derived their revenue, it in the vicinity of Colombo

"There is daily communication (Sundays excepted) between Colombo and all parts of the island and, with one or two exceptors, between all the main stations one with the other This communication is carried on itom Colombo to Kandy in the central province, and from Colombo to Font de Galle in the southern, each a distance of seventy two miles, which is travelled in 10% hours by means of mail coaches established by private parties, and under coatract to government for the coaveytance of the mails From Xandy the mails are conveyed by foot-messengers to Transmiles and all other places in the eastern province, as soon after their being received as possible. From Galle, a private coach, under contract with government, conveys the mails to Matura, viewity eight miles further in the southern province, whence they are taken by footmessengers to Tangalle and Hambantotte, which latter places is the furthest limit of the southern province where a government officer is structured.

"The distance from Colombo to the utmost northern lumit of Jaffna 1: 220 miles and between those two places are the intermediate statuons of Negombo, Chilaw Puilam (the chief town of the north western province), and Manaar Excepting the govern ment despatches, the correspondence between the western, and north-western, and northern provinces, is summortant, especially when it is compared with that which daily

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takes place between Colombo and the Kandyan provinces. The obstructions caused by wild animals, deep streams, and absence of local European superintendence in parts of the northern and north-western provinces are so great, that it is matter of surprise that the communication is so extremely regularly maintained, as it is very seldom that a day's mail is due between the two places. The communication, however, is by no means rapid; it occupies four days.

"The mails between Ceylon and the continent of India by land, are conveyed for eight months of the year through Jaffina and Point Pedro, whence they are taken in catamarana to Point Calymara on the opposite coast; and for the other four months through Manaar and Talamanar, whence they are passed over in hired boats to Ramisseram. By these means letters from Colombo may reach Madma in eight to ten days, and Calcutta and Bombay in seventeen to twenty days; the variation depending on the statuse of the weather at the two extremites of this island. Letters taken by the stemars from Point de Galle reach Madmas in three days and Calcutta in mine; whilk those taken in the Seaforth steam-packet to Bombay generally arrive in less than six days.

"The communication between Ccylon and the Straits of Malarca, China, Java, and Manilla, is, of course, now efficiently carried on monthly by means of the contract scenners from Point de Galle; other opportunities are very rare and uncertain. Letters are frequently received from Australia by way of Calcutta, occupying about three montha in the transit; but a direct opportunity scarcely presents itself of sending letters to Australia: one hardly occurs once in a twelvemonth. From Mauritias letters arrive almost mouthly by vessels coming thence to Ccylon in search of freight; but direct opportunities of sending letters thicher are unfrequent.

"Homeward-bound vessels take letters, at irregular periods, from Ceylon to the Cape of Good Hope and St. Helena."

Crown Lands.—"The crown land purchased by individuals from May, 1833, too 1843, without including lots under fifty acres, amounts to 170,080 ncres. The one society issues circulars to obtain a return of the extent of estates, and the extent in bearing, which, as far as they have received answers, enables them to show that there are in bearing 2917 acres; in progress, 8126; total extent of coffee estates, 47,368 in 1843. These returns are understood not to be complete. Very many applications have been lately made for land about Negombo for sugar cultivation; which rativisedly or not, remains to be seen. Experience has shown that coffee planting is a certainty, As to whether the soil in the maritime provinces of Ceylon will grow canes for such a length of time as will be equally profitable, is a problem which time alone can solve. Leven if land gives two tons of sugar par acre, deduct duty and expenses, and coffee land affording only ten hundred weight (sold even so low as 34. 10s.) per acre, will be a more certain speculation.⁵

"Twelve years ago Ceylon was not known in England, and even in London but in the light of a valuable military key to India. The only part of Ceylon that seemed to draw forth any admiration was Trincomalee, on account solely of its harbour being the finest in the Eastern hemisphere, and being the only place of refuge for weather-driven vessels from the Bay of Bengal and the Coromandel coast, but chiefly, we believe, as a valuable naval station. After this, a new era began to dawn on Ceylon; the resources of the island began to attract the attention of the wealthy capitalists of England. From that day to this thousands upon thousands of pounds have been expended on the soil of both the maritime and interior provinces of the island; and although it is natural there should be some failures, still it is surprising in how many a hundred-fold the money laid out has been returned. Coffee is the staple production at present of Ceylon, and not a few have already (1844) made fortunes, and others are in the fair way. Sugar has been tried, but we are sorry to add that the spirited growers have not hitherto succeeded as they had anticipated. True, one or two have succeeded, but it is only those who have. Want of the proper experience, we firmly think, has been the principal cause of the unsuccessful results. We have very little doubt on our mind as to this island being ultimately a sugar colony, and that to a greater extent than many people are inclined to believe. Cevion is yet in its infancy. Hundreds

• A correspondent, who had vacated the sugar estates, Negombo, writes :---I over saw any thing to Java superior to the cause here, and not often any thing to equal them; I will stake my reputation as a sugar-planter, that the canes will last as long as any in any other part of the world."

upon hundreds of acres of suitable land, which have never yet been explored, will be in a few years more all under cultivation Ceylon is favourably situated with regard to Eagland, the elimate of two-thirds of the island, we may safely say, is not ill adapted for the European constitution The natives of the country are well disposed towards the European south of the safe of the safe of the country are well disposed towards the European south of the safe of

"Coylon is emphatically the half way house between England and China When the resources of that vast empire become fairly open to British enterprise and capital, it is inwill be hard to say of what real importance this island may be to England I is invaluable and will always be so as a coaling station to the steamers outwards and homewards bound I its approachable in as short; if not a shorter time from England than Bombay is, and who can foresce what a valuable acquisition Ceylon must then prove to Britain, if it very happen to be made the centre of all her operations, in her wide and far-spreading Eastern dominions, which is far from being an unlikely case if the Company's charter is ever nemeed in 1854, and, consequently the government of the day take the affairs of India into their own hands. Ceylon, in that case, then would be the focus from whence would issue 'through steam the right arm of England,' all the home instructions destined for our princely dominons in India, our territory in Chuaa, our possessions in its seas, as also those of the Indian Ocean, Australia Van Diemen & Land, and New Zealand, with our various stands' in the South Pacifie'. -Ceylon Heradd

Planting in the North -" The cultivation of tobacco, with which the planters began, is almost totally abandoned Experiments are being made in regard to exotics, and Maryland is expected to succeed The tobacco indigenous to the country is rather coarse and strong for cigars Cotton and cocoa-nuts will. I think succeed planters have succeeded in ruising almost every valuable variety of cottons Sea-Island, Upland Georgia, Bourbon, Pernambuco, Nankeen cotton, &c Of all these the Bourbon is the favourite and the most extensively cultivated. It will, I think ultimately be the staple cotton, not of Cevion only, but of continental India The cotton estates now look most luxurant, presenting the appearance of extensive groves of black currant bushes The trees are almost constantly putting forth boles they are at present covered with flowers, which will be beaten off by the heavy rains. The proper gathering seasons are February, March, August, and September Such is the effect of our fine climate, that every variety of cotion is here perennial The cotion trees may be expected to last five or six years, until the cocoa-nuts placed amongst them come into bearing, by which time it is hoped all expenses will be more than paid * Cocoa-nuts possess a local value of from 1s to 1s 6d per annum for the produce of a tree in full bearing Batticoloa is the place for cocca-nuts Fine soil and fresh water within three feet of the surface, The soil here is a perfect paradox Generally speaking, it is most unpromising and sterile in appearance, but, with a little manure, and plenty of irrigation, wonders of vegetation are produced from it Dr Divy has said, that the richest soil taken from the mountain forests of the interior contains no more than 24 per cent of vegetable matter Here we have no forest, only low jungle, and I do not suppose our richest soil contains one-half per cent of vegetable matter The most general is calcareous sand in some places clayey in others, as at Point Pedro highly ferruginous, plesenting the most extraordinary contrast to the snow-white coral limestone on which it rests There can be little doubt that the secrets of the fertility of the soil of the Jaffna Peninsula lies in the presence of muriate of lime '

Slavery -i in 1816, the greater number of proprietors of slaves in the maritume provinces made a voluntary offer to the crown of the children who should be born of their slaves after the 12th day of August, 1816 The offer was accepted, and, in 1816, an ordinance was passed, securing their perfect freedom, and providing for their support. At the same time it was enacted, that all proprietors of slaves in the maritume provinces should have them registered in the distinct courts, under forfecture of all right or claim

• It appears that grapes of delicious flavour ropes in abundance at Jaffan Alludang to wild animals, the following appears in a recent Ceylon paper — "A very proper wholesale war has been waged with the monarcles of the forest by native huntars No less that 150 elephanta were lately kited in the distruct of Wanny a reward of Law burg paid for every elephant destroyed. A large number of them were while diston in the distruct Manara intelly. In the distruct of Patchelapally, the elephant hunters ure paid 3/ Law for every animal government paving La only and the rest contributed by the planters. The mis of the elephants (tuperof of the summals having been actually killed) are sent to the Cutcherry at Jaffan, where they are cut into pieces and burned! — Ceylon Hereid.

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to them; and, in the event of omitting to comply with the provisions of the act, they were declared to be absolutely free. All joint property in slaves was also declared to be illegal, and every slave was to be registered by one proprietor. In Jaffnapatam and Trincomalee, where such a tenure chiefly prevails, distinct provisions were made for settling such claims to slaves. It was enacted, that no claim to a slave less than one sixteenth could be recognised ! In order to fix to whom they belonged, he or she was to be put up to auction, and the proceeds divided amongst the claimants, while, of course, the slave went to the highest bidder. By the act of 1837, the registration system was extended to the Kandian Provinces. Every birth or change of proprietorship had to be registered, or the owner forfeited his claim to be considered such, and the slave was declared to be absolutely and ipso facto free. The first registration was to be made before the 1st of July, 1838, and the certificate of registry had to be renewed triennially. The judges were directed to take extraordinary precautions that no addition to the register should be allowed after that date, and of course until the lapse of the first three years, it could not be ascertained what the decrease amounted to. We have stated that at the first examination, in 1841, instead of there being 1287 on the record, there were only 379 in the whole of the Kandian Provinces; and, as we proved at some length, there is not another in the whole of the island ! The registration system was very much neglected all over the maritime provinces, particularly in the northern division, where the proprietors had not resigned their rights, and had neglected altogether to register. In order, however, that no objection might be taken to the authorities acting on the old ordinance of 1818, the ordinance No. 7 of 1842 was passed, making registration imperative; in fact, re-enacting the provisions of the old act, with this clause, that if any slave was not registered before the 1st of January, 1843, absolute freedom was the consequence. Not a single slave was registered ; and, on the morning of the 1st of January, 1843, the sun rose on nearly 23,500 freemen, who were nominally slaves the day before "* the day before.

The resources of this colony, if its affairs shall be properly managed, would be of the greatest productive value ; hitherto the imports value, for a long period, have exceeded those of exports, and from the absord and upjust export duty on cinnamon the growers of that spice have been nearly, if not, ruined. The ports of Ceylon should, like Singapore, be made free ports,

COUNTRIES.	Ships.	Tons.
Great Britain India and Ghina	25 1137 154	tonnnge. 8,765 41,689 9,631
Total	1314	60,670

THE Number and Tonnage of Ships entering the Ports of Ceylon in 1828, may give an idea of the maritime trade which has since increased.

IMPORTS and Exports of Cevion.

Value. EXPORTS, 1829. IMPORTS, 1829. Value. 133,941 £ 1ha £ n Cloths, Indian..... Grot sort 82,843 67,363 20.0 British 6,409 sort..... a 138,853 25,137 third sort...... 180.00 95,112 Total 500.000 138,348 108,239 Exports subject to Buty 59,927 \$46,592 35 105 Add deteinet in value of Cinname 99,709 41,000 B TOTAL 316.301 141,035 183 From Great Britain, valued in sterling money To Great Britain, valued in sterling m 40,777 166 576 From British Colours tto...... to Bratish C ditto 80.67 To Foreign States ditto----ditto 34,928 1,036 349.581 TOTAL value of Exports, ditto Toyate value of imports diam \$50,787

Note -Manned by 14.794 men

f This quantity was hold, the volue given exported is £180,000.

We have examined various documents respecting the abolition of slavery in Cevion, and we are bound to attribute a great share of the merit of that successful measure to Mr. Anstruther, the then secretary of that colony.

ORIENTAL COMMERCE.

YEARS.	Great Britain. North				h Ame	America. United States.					Poreign States.			TOTAL.			
1 64 88.	Value.	No.	Tous.	Value.	No.	Tons.	Value,	No.	Tons,	Value	No.	Tons.	Value.	No.	Tons.	Men.	
	2		-	£			£			£			£			-	
1828	29,984	23	8754		1137	41 682				24,431	154		123,933				
1829	39,290	13	4657	i	988	56,826				23,256			340,301				
1638		11	3911		878	60,157				34,229			349,552				
1831	28,559	7	2647		1044	48,339				27 278			262,988				
1832		13	4503			47,911		1	\$79	35,742	211	13,303	351,323	1411	66,090	13,320	
1833		21	7083		1162	54,554		1 1	279	29,273		6,732	320, \$21	1327	68,848	18,200	
1834	71,075	13	4015		1155	53,624		1 1	274	31,666	237	12.051	372,725	3406	50,967	14,479	
1833	69,997	36	4959		1200	55,330			454	30,08%	180	12,377	359,076	1404	73.120	17.612	
1 836	93,257	90	6639	۱	1163	55,010	4	í	í	24,437	148	9,563	411.107	1331	171.138	13,503	

IMPORTS and Shipping of Ceylon for the following Years.

Norg.-Imports from all other places,* value, 1828, \$69,518/.; 1819, 272,534/.; 1830, 274,576/.; 1831, 227,150/.; 1833, 263,3372/.; 1833, 299,932/.; 1854, 269,833/.; 1835, 251,8944., 1838, 293,472/.

 Under the head of "Other Places," the continent of Iodia is principally eliuded to, and under that of "Foreign States," the French settlements in Iodia, the ports of China, the bland of Madeira, and the dominious of the Indian princes, is alluance with the fast lotia Company are incided.

YEARS.	Gree	at Britain. North			h Ame	merica. United States.					Foreign States.			TOTAL			
I DARS.	Value.	No,	l'ous.	Value.	No.	Tens.	Value.	Ko.	Tons.	Value.	No.	Tous.	Value.	No.	Four.	Man.	
	\$		-	£			£	_		£			£				
1895	149,551	9	3551		1046	41,800	••		1	1,681	38		215,373				
1899	195,558	13	4869		1098	36,935	••		l	1,330	36	2561	280,145	11147	64,369	13,009	
1630	168,576	11	3769		1176	03,4:14				1,316	47	2624	250,78%	123:	69.×57	12+73	
1831	39,903	7	2429			53,149		1	1 .	740	28	1 2:36					
1832	59.526	14	4768		1259	66,742		1	270	559	31	1528	156,009	1365	73,317	13,724	
1833	42,403	18	5296		1184	57.280	1702	1	279	1,264	69		106,478				
1854	76,089	10	\$073		1199	65.657		1		6,354	41		1145,833				
1835	79,598	18	3:61			62,431		1	274	15,293	54	3689	158,041	1284	72,0%	(3,303	
1836	228,401	26	7856	· '	1100	56,238	6188	1	274	8,890	73	4093	308,704	1200	65,463	12,364	

Exponts and Shipping of Ceylon.

Norz. - To other places, value, 1928, 64, 1637, ; 1878, 88, 2667, ; 1830, 89, 6757, , 1831, 40, 4034, ; 1832, 54, 1027 ; 1833, 55, 1007 ; 1834, 69, 1937, 55, 1007 ; 1834, 69, 1927

IMPORTS and Exports from 1839 to 1843, with the Value of leading Exports.

YEARS.	Importa.	Exports.	Arreca Nuts,	Cinnamon,	Caffee,	Cocos-mut Oil.
1639 1840 1841 1842 1843	733,512 743,121 831,313	£ 375,608 404,947 398,093 458,143 428,143	£ 22,956 93,007 92,428 29,232 97,025	£ 84,016 29,583 24,857 16,207 66,270	£ 130,597 214,529 1%6,643 269,763 (192,891	£ 94,597 32,443 24,1452 34,249 40,874

STATEMENT of Articles Exported in 1845, from the Island of Ceylon, producing more than 1001. Duty.

NAME OF) भ	01 CI	71) 8 Y	ICR I	0 P		1				ICE C			84			NC		OF	A		OTI ND	{	n P	UB S.	тs
EXPORTED.	Val	ae.		Amo	unt - aty.		Ve	da	,	Ī	Auron Du			v	alu	ue.	Ai	no Di	upt uty.		¥,	due		A: of	Du	nt ity,
	£		đ				£	4.	4.	Î	£	8.	d.	£	3.	d.	1		. d.	1	£	8.	đ	£	3.	d.
Arrack			- 11		1					L							1			1				1		
Arreca.outs			8		13		23,63				596	30	113	1			Į.			J				1		
Cionamou	40,821		0								6,314						ŧ.							f i		
Coffee	363,259			9,081			355,99	121	10.3		8,900	2	74	7240	1 5	1 7	18	10	0 62							
Coces-nats			. 8		16					1							1			1				1		
Coar rope			- 1		10					1							í			ι.				Ł		
Oil, commont	13,936	- 1	18	896	- 11	0	13,27	4	34		332	0	õ				I 1			ł –						
Tobacco and cigara.,	16,816	17	3	420	14	43		••		1							I 1			1 17	187	4	103	429	14	5.8
Wood	14,298	6	0	357	11	24		••		1	•	•	1		••		L	•••						110		
TOTAL	503,691	10	3	31,984	7	14	433,72	9 1	1 8	3	0,142	10	1	7.240	5	7	14	ι 0	34	21	,¢15	15	21	340	9	P1

NAME OF ALTICLE IMPORTED	IROVINC	OF CEVLON	PROVINCE	OF COLOMBO	PROVINC	E OF CALLE	ALL OTHI	R PORTS AND
KINI OF ALTALE INFORTH	1 + 1 e	imount of D in	Yalue	Amount of Duty	Vulue	Amount of D sty	false.	Amount of Duty
	£ d	£ 1 d.	£ 1 d	£ đ 16 11 113	£ 1 d	£sd	\$ 0 \$	£ . d.
Apparl we ring Ar J An ton —	3 9 6 11	199 611	2, 176 4 5	10 11 113				
family the	31110 0	164 0 7	3 030 18 0	1. 0.11				
		399 19 R	1 3 8 6	398 7 1 114 19 8				
f ii ry and preserves	33 8	202 14 11	2 110 11	114 29 84				
t og u	231+43 4 10	12,122 4 1	215 0 18 17 3	11340 7 -	7780 4 0	484 17 5	11 506 13 13	604 7 0
in t ad	3 117 14 0	173 16 4	3 400 18 7	187 14 0	1			
inytil tiy 11 polytaru	1 121 6 7	6011	11 (51 0 5	851 11 1				
then*	3 32 0 0	-93 14 6	18 4 3	299 9	1/41 3 1	154 4 04		
F h	16 4 6 8 10	14511.4	9341 8 8	831 3 34	0 062 11 0	154 4 99 607 13 74	(
an ture	2 1 1 2	16 12 8	1 901 14 6	364 7 59				
1.5	4 31 7 18 0	244 15 6	3 70 8 11	80 J J				
i n yr mi	40 1 1	9 4 11 3	5981 12 0	1369 € J				
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	390 402 34 4	63 309 D 5	263 484 0 2	43 133 0 8	37,981 4 10	0.313 13 43	3 035 3 24	13012 3 12
	0 0 0 8	6 33 17 6	5 443 17 0	0115 12		4,0,0 10 11		
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t be tashery and milliters	. 453.1 5	1 71 3 11	21,9 9 7 2	1 331 17 0	1412 6 1	102 8 01		
d it liquor	10 1 14 19	1 133 18 11	15 503 13 11	10K) 2 41				
Manur	14/0 6 8	137 1	2 1/1 6 8	13 14 41				
Ma i stor s	234 14 4 3 4 9 u	142 5 5	2 37 11 10	173 17 0				
Med c nes M / ! wrought and unwrought	34 0 0		* 307 IL 10					
kra	0 /00 15 1	3×0 4 fi	4 (5 31 9	241 7 82				
Copper	7 10 1 2	392 16 4	6411 18 7	321 3 5				
let a	5 141 19 4	3.9 1. 1	5.49 1 2	30.) 12 11				
Pi te and Jewellery	2,515 8 11	140 19 8						
) in astore	3 268 7 1	169 3 11	3,117 4 6	179 17 6				
epper and spices	1 391 4 5	121 13 11						
Pro i i n addicry and hn new	6.128 7 10	301 9 2	4 447 4 11	226 3 4				
b it pror to s	2 315 11 8	176 9 4	2 354 8 3	166 12 6	1			
ve da	2 135 8 7	142 to 11						
si ell'tortone	1 01 4 0	181 0 6	[]		1 387 4 0	139 14 6		
vilk g oda	6 917 10 0	403 16 19	2,418 12 0	340 8 2	4 453 8 9	258 15 1		
pur bandy	4 300 7 0	9 903 10 8	5,131 18 0	9 897 10 14 843 4 7	281 16 0	158 11 4		
	1 849 9 0 1 Ki 8 8	1,034 4 0	1499 9 0 159 4 8	105 8 10				
ationery	2 N3H 7 11	107 2 0	2 068 10 6	165 6 8				
gar soft	4 4 9 15 10	223 16 6	8 25 14 0	105 5 4				
	344 6 6	491 14 3	2 791 19 0	198 17 0				
utacco and cigars	5 103 3 11	472 0 9	2,144 14 10	16/ 10 6	2,526 4 8	249 4 2	17 197 4 10	420 14 55
Innt ella	2 8 6 11 7	160 12 8	2 014 14 8	138 8 7				-
Vinus Frin h	5 608 6 0	525 4 8	8 471 10 D	704 14 8 505 11 11				
Made ra	44,0 3 0	512 17 0 3 9 11 6	4412 5 0 3 063 17 6	345 16 10				
Portugal	2,926 17 6 12 777 0 9	1 691 5 4	12 656 2 6	16570				
Span o	1485 5 9	301 15 0	1 485 5 0					
Voollens	2615 18 6	137 14 6	2 602 13 8 .	134 12 01				

719

ORIENTAL COMMERCE

SUMMARÝ

									I	м	P	0 1	R '	т	S 184	5							_
NAMES OF PORTS	p	uo orta ing Du	pr. 100	0 1076		Am te 1	1		Value port cing le 100/	s pi	thon	1 40	sf.		Value cles m Duty	npo	T Case	TOTAL ol lung	ali		To Amo Di	unt	
WESTERN PRO-	-	£	4	đ	1	£	•	d	£		đ	æ	8	đ	£	å	d	£	8	d	£	,	d.
Colombo	674	840	14	8	1 74	922	•		34 539		0	2 13		. 64	479 018	. 14	••	1 185.41			17 033		
Pantura		755				0.22					7			24	1.0010		**	1 10 37					
Caltura		128		24		314			433	12	៍រ		6		ſ					4			
Berberen		NO3				167			1 117			40	16	1	FL			1 เวลี					
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Bellegam	í 1	738	Ð	ø		289			49	18	ā		0					3 782	3	ó	293	10	. 0
Gandurab		797	15	5		132	18	10	37	19	ŋ.	3	10	84				633	13	4	136	13	74
NORTREEN PRO																							
Jaffos	47	380	18	108	l n	011		G	7 024	11	3	484	9	42	335	8	31	57 180	10	-2	7 395	10	11
Mansar		015				602			2.613			-10	19	71	-1,809	ň	- 01	3112			613		
Point Pedroe		435						1Ġj	2 461			164			642	18	õ	12 503			2912		
BASTERN PRO-					1				(- Ì												
Trincomalco	16	.716	3	13	9	432	12	9	3.283	5	6	295		5	33	8	A	20 03	12	13	2,797	10	٠
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TOTAL.	860	.596		2	107	180	1,	94	67 021	9	64	4 680	15	2	508 163	9	88	1 464 787	6	54	111,661	12	111

	1				E X	P	0	R T	S 1845		
NAMBS OF PORTS	Value port ducing th n Du	pro more 100/	Ame	1	Value of ports pr ducing 1 than 10 Daty	0 685 0/		of Daty	Value of Im ports Re- exported and of Artu- clos from the Warchouse	TOTAL VALUE of all	Torat Amount of Duty
WEITERN PRO-	£	* d	£	s d.	£ 1	đ	£	e d	£ + d	£ . d	£ . d
Colombo Pantura Caltura Barberyn Negombo Galgontyn,	433 729	12 8	30 142	10 1	2,534 8	5044	26 63 169 50	9 10 8 24 14 10		491 0°5 16 7 1 439 13 6 2,034 8 10 4,107 17 4 2,014 17 4 2,192 5 3	30 554 2 5 36 9 10 63 8 42 102 14 10 50 8 10 54 17 8
SOUTHERN PRO- YINCE Gallo Boll pittymodre Dodandoewe Bellegom Gandurah	7 240	57	161	0 54	18,422 17 926 J 868 4 1 949 16 1 117 18	03147	500 23 91 40 37	4 4		25 663 9 7 926 3 3 NGS 4 5 1940 16 4 1 117 18 7	741 10 11 23 4 1 21 14 4 46 7 6 27 19 6
Northean Pro- Vince Jafba Massar Point Ledroe	17 187	4 10g 30 3g	1	14 5 <u>8</u> 15 38	10 12	u l		13 84) 10 10 10 54	2 015 4 9 \$39 0 0 67 19 0	23,801 7 26 1 570 12 11 8 388 10 7	541 8 9 1 18 10 10 268 5 0
EASTEAN PEO- VINCS Trincomaics Bailticalon					2 157 17 107 15	61 9		19 112 14 3	2,505 12 54 2 16 0		53 10 11 <u>1</u> 8 14 3
TOTAL	462 585	12 01	30,644	0 34	62 713 8	1	1 697	17 24	46 09 5 1	572 1108 5 5	32 561 17 6

Expenses of the Customs' Establishment - Fixed salaries, 7729/ 148 0d, unfixed salaries, 628/ 0s 44d incidental expenses, 9006. 0s 44d Total 9,256l, 14s 84d.

BRITISH SETTLEMENTS IN THE STRAITS OF MALACCA-MOLACCA, PULO PENANG, PROVINCE WELLESLEY, AND SINGALORE

THE British possessions in the Straits of Malacca consist of three settle ments, viz., Pulo Penang, or Pinang, or Pinnce of Wales Island, embracing a dependence of it, the province of Wellesley—Singapore, and Malacca. Penang and Singapore are islands, but province Wellesley and Malacca are situated on the Malayan peninsula. The settlements are separated by a long country coast, extending along the sea, in the occupation of Malay princes, all of which, with very trifling exceptions, is covered with a dense mass of forests, indented here and there by small streams and noble rivers. Singapore is in latitude 2 deg 14 min north, and Penang in latitude 5 deg 14 min north

PULO PEN ANG (or Betel Nut), or PRINCE OF WALES' ISLAND, is situated in the Straits of Malacca, near the Malayan Peninsula, from which it is separated by an arm of the sea, between Lat 5 deg 15 min and 5 deg 29 min north, and Long 100 deg 25 min east From north to south it is about sixteen miles long. and cleven broad at the northern extremity, but at the south it is in some places not more than six miles. Its area is estimated at 160 square miles. Probably two thirds of the island are mountainous, the remaining consists of valleys and plains The former consists of two ranges, which run north and south, and are of very unequal height and length, the highest about 2800 feet above the sea The west range stretches from one end to the other of the island, but has a low division across it, near to its centre , the east or lesser range extends from nearly opposite to the low put of the west range, from which it extends southward to near the centre of the southern part of the west range The low parts of the island consist of several distinct parts, the greater number and chief of which are situated on the cast side of the mountains. The only rould of communication between the plains on the east and west is through the low parts across the westrange, known as Captain Low's route When first known to Europeans, Penang appeared uninhabited and covered with forests

The mountains and the smaller hills are composed of fine gray granite, except, ing some heights near the coast formed of laterite, as is also Saddle Island on the south west angle of Penang A tim mine was worked some years ago, and it is said valuable minerals exist in the mountains

The soil is generally a hight dark mould mixed with gravelly clay, in some parts there is a neh regerble soil, formed by the decayed leaves of the forests, with which the island had for ages been covered, the coast soil is hight sandy, but rather fortile

ORIENTAL COMMERCE

Climate — January and February constitute the dry and hot seasons, November and December the rainy, however, the Island is seldom long without refreshing showers The thermometer on Flag-staff Hill (2248 feet high) never rises beyond 78 deg Fah (seldom to 74 deg) and fails to 66 deg, on the plan it ranges from 76 deg to 90 deg Penang is considered remarkably healthy

In 1785, Penang was granted to Francis Light, captain of a country ship, by the King of Queda, as a maringe portion with his daughter Light transferred his grant to the East India Company, and was by them appointed first governor of the island From the appearance of the interior, and the number of tombs discovered there soon after the colony was formed, the tradition of its having been formerly inhabited, is no doubt true, when taken possession of there were only a few miserable fishermen hving along the sea coast When placed under proper authority, it was resorted to by British, Dutch, Portuguese, Americans, Malays, Arabs, Parsees, Chinese, Chuliahs, Burmans, Siamese, Javanese, &c, &c.

In 1805, the colony having acquired importance, the Company determined to constitute it a government only subordinate to the Governor general of India The enormous expense incurred by the establishment, led, in 1830, to its being reduced to a residency, under the Bengal government. There is a resident (a governor nominally) over the three settlements, and a deputy resident, or resident counsellor, at each place. There is a court of judicature, and a recorder, for the whole, consequently the judge must go on circuit at stated times, to each settlement. The population of Penang, according to the last census, ending 1833, amounted to 40,322 souls, and on the opposite shore, or Wellesley province, to 45,953

When the Company's Establishment was formed at Penang in 1786, the only inhabitants were a few maserable fishermen on the sea coast In consequence of the disturbances in the Malayan principalities, and the encouragement given to settlers by the East India Company, a native population of various descriptions arose The population of the settlement has been stated as follows —

YEARS	Population	IEARS	Population
152)	B umber 35 0 7	1826	number 35,116
1829	31 07 3 069	1823	57 56 (0)53

The following official return from the East India House, shows the races of Penang —

DISTRICTS.	Malays and Bugis.	Achinese.	Battas.	Chinese.	Chultes.	Bongalica.	Burause and Slamere.	Arniba,	Armonians.	Paranet.	Native Christiaon.	Gaffrees,	TOTAL
PANANO.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Seorge Town	3,374	26	390	3,987	3758	295	52	118	17	38	656	7	12,693
Teluk Ayer Reja	3,625	164	173	1,410		843	6/IS 22	2			645 23	39	8,841
Selutang	3,196 \$33	24	158	1,556	727	210	13	29 5			1 23	18	5,310
Sungej Kluang	2,075	103	120	733	52		1 1 2				ا° (15	8,119
Western District.	677		180	830	11		'		12				1,725
Pulo Joraja, Isle	112		7		8								192
Puto Reman, Isla	\$7	••					1 1						97
Tores	13,994	847	1180	8,989	6075	1353	809	164	19	18	1333	114	83,560
WELLESLEY PROVINCES.				1			1						
Qualta Muda	6,605	**		353	55	154	256						7,925
Teluk Ayer Tawar	7.693		16	164	70	\$68	49	4		۱	1	1	8,357
Quila Prys	3,084	••	10	\$32	43	16	G						8,395
Jaru	1,348	::	17	82 550	97	6	1 4			1			1,657
Betta Kawan	1,348		38	230	- 97	, ,					1		1,938
TOTAL	38.498	351	1201	10,148	6976	1908	1117	158	19	13	1333	114	29,503

CENSUS of the Population of Penang, or Prince of Wales' Island, Province Wellesley, and adjacent Isles, up to the 31st of December, 1828.

Buropeans, and their descendants, about. Itinerants of various classification

The civil establishment of the British Straits' settlement consists of a governor, a resident councillor at Penang, ditto ditto at Singapore, ditto at Malacca; three other councillors are usually on furlough, and an assistant to the resident at Penang. In the Recorder's Court there are the recorder, registrar, sheriff, deputy-sheriff at Penang, ditto at Malacca, coroner at Penang, ditto at Singapore.

Moneys .- Accounts are kept in dollars and cents, the coins chiefly in circulation being Spanish dollars and Dutch doits, or English copper of like value.

Weights and Measures .- The weights generally in use are those of China. The pecul, of 103 catties, equal to 133 1-3 avoirdupois. Rice from the Archipelago and salt are sold by the cojan of forty peculs ; gold dust by the bancul, weighing 832 grains troy, equal to two Spanish dollars. Grain from India, per bag of two Bengal maunds, or 1641 lbs. avoirdupois. Piece goods, &c., by the corge or score. English weights and measures are frequently adopted for European commodities.

The eastern part of Penang, owing to its moisture, is covered with rice fields. The south and west valleys, though partly cultivated for the same purpose, are chiefly laid out in pepper and spice plantations. Close along the coast there are extensive belts of cocoa-nut trees, and scattered over the island in various groups appear groves of the graceful areca palm (or penang), from which the isle takes its Malay name. The hills and low grounds, where not cultivated, are thickly covered with wood. Vegetation is splendidly luxuriant, and for miles and miles the eye rests on one dense mass of mountain forest. Besides Georgetown (the capital), there is only one other town, Jamestown, situated on the see-shore, four miles to the south of the capital, amids a grove of palms The hill called the "Highlands of Scotland" is 1426 feet above the sea, the situation and climate of which (and of the other stations), are delightful Numerous small villages and Malay topes are scattered over the island (especially on the south side), often beautifully and romantically situated near the coast, or anidist spice groves in the vales

The harbour of George Town is capacious, with good anchorage and well defended it is formed by a strat about two miles wide, that separates Penang from the opposite cosst of Guedah on the Malay pennisula Penang was coded to the East India Company about a century ago, and soon became a place of commercial importance, which character it maintained until the establishment of Singapore Valuable plantations of nutmegs, cloves, and pepper, were established by Europeans, which, all but the last, still form the chief wealth of the colony It carried on a brisk and profitable tiade with the neighbouring Malayan states, Sumatra, India, and China The ships belonging to the East India Company, on their voyage from England to China, vid India, made Penang a calling place, where large amounts of spices, gums, in, and other products of the Stratis, were purchased or taken in exchange for cotton cloths, iron, &c, &c The junks from China also exchanged their ladings of tea, rhinbarh, silks, camphor, &c, for bechne-lene, sea-weed, opium, and other products of Europe or of the country

Some years afterwards, the country now known as Province Wellesley was annexed to Penang, and the nce-fields, which were soon cultivated, supplied Penang Nutmeg plantations were also laid out by Europeans and Chinese settlers But a far greater enterprise was undertaken, and now further encouraged by the late reduction in the British sugar duties, which has induced the outlay of large capital in sugar manufacturing establishments Within the last three years, much of the jungle which overspread the whole of that district has been cleared off, and that useless thicket is now succeeded by plantations of thriving sugar canes, for the cultivation of which the immense plains of this province are found well adapted From the drooping condition to which Penang, including Province Wellesley, was reduced after the establishment of Singapore, it has now greatly recovered, with every prospect of a permanent increase of pros perity The population consists, for the greater part, of Malays and Chinese labourers There are many Chuliahs or Khngs, pative dealers from the Madras provinces, about Georgetown Commercial affairs on a large scale, are in the hands of the Europeans

Penang has been a spice island from the period nearly of its first settlement Pepper engrossed the consideration of capitalists for many years, until the price fell so low, that the returns no more than repaid the outlay But previous to this check, another source of gain opened, by the introduction to the island of the nutmer and clove tree "The cultivation of the true nutmeg and clove tree, began nearly about the same time at Bencoolen and Penang, and the greater success which attended it at the former settlement than at the latter, was no doubt owing to the fact of Penang baving been then a mercantile, rather than a cultivating community

"In 1818, the bearing nutmeg trees on the island were estimated to be 6900 Since that period, spices have been more extensively cultivated, there are now upwards of thirty spice plantations at this settlement, including Province Wellesiev

"The gross annual produce from the plantations may be roughly estimated at 130,000 lbs , but young trees are yearly coming into bearing to swell this quantity , should the cultivation meet with no serious interruption it may perhaps, in time, supply the whole of the English market with spices

"Since 1831, the cultivation of the clove has rapidly advanced, an additional number of about 50,000 having been planted

"In 1829, the quantity of nutmegs retained for home consumption, was 113,2734 lbs or nearly 855 picels. The cloves entered for home consumption at present in Great Britain, amount to 60,000 lbs or about 460 picels a year, of which a part comes from Cayenne.

NUMBER of Nutnieg Trees and Plants growing on Pruce of Wales Island, the Amount and Gross Value of Produce derived therefrom, and Quantity of Ground under Cultivation, drawn up in October, 1843

PLANTATION	\$	Bearing Trees	Males	Not beerlag	Total planted out	I lants in Nursery	Q at his of Ground woder cul titation
Total of forty three large plant its man Feu T i l of 111 small r do with a tie Pangi la	ang	number 03,310 792	Ji soo	number 70,04 5,149	161 204 7 431	1 39 510	or 1811 77
34 de do do	of Ji ilatour	900		8 437	5 437		54
41 do do do	r l ber	1 21 0	50.0	8,330	12010	3 000	190
(7 da do do	if Sou gay klose	. UA		0.00	K 000		80
104 de do do	of Balik Put w	2 090	2,000	6 110	12 000		190
1s plantations ometted		193	100	1 82)	2 1 1 21	1	30
Total number of natures trees in Prince of	Writes Island	64,90	34 204	104,983	205,008	52,510	3269
	TIBLE -(con	tinued)				
				1.		6	2
	PROI	O U C E		Cross of Proc 184	to e un l	Number in 1843	
PLANTATIONS	Number of good Nitata Jata Numb r of Nut 11 1849	Total Pra- duce in 1542	Quantly of M III 1421	Lood Nute at five dols per 1000	Nute at one doi per joto	Estimated N	Estimated Number Nute for 1844
Total of terry three large plantations in			pla cat	dra	sta		
P ntag Totai of 11 smull do with n the j angulu	14 656,301 1 401 229	10 117 620	2 74	4 0 13	14	11 768 762	23 579,000
hip of Ayer R i b	30 000	30100	00	1.0		60 0007	300 000
T tal of 34 do to d of Jult trag	10 ((300.073		1.0		121 (1049	300 000
L do do de t(lu r	141.0	24 4 10		1 1		46 00	300 090
, (7 d d de of 5 hykluani 104 d do de of hisi & Puion	211	510 C 40		2,3		100 001 310 100	390 000
13 plantauons omitt d	101.0	10 600		11250		20 100	50 000
T tal number of autment trees in Prince of Wal Island				71 944	14	12 458 76	

ORIENTAL COMMERCE

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PLANTATIONS	Bearing Thuca	Not Bearing	Total planted out	l lents in Namory	Quarter of Grou d under Culti Vation
Total of 13 large plantsti ns in Pensag Total of 25 mmil do Pangebailly of Ayer Avyak do 6 do 6 do 6 do 9 do 9 do 9 do 9 do do 10 do 6 do 6 Gi gor do 27 do do 8 osigby Klasa do 10 do do Ball Fuluw	number 25,973 542 1 340 190 85 600	nomber 64 452 2,, 58 369 1 600 44 1 000	bumber 61452 3300 100 1200 \$27 1600	20 00 2,000 600 500 1 000	Qumber 406 20 13 3 12
Total number of clove trees in Prince of Wales Island	28 739	44 040	72779	25 160	463

NUMBER of Clove Trees, &c , growing in Penang up to October, 1843

TABLE - (continued)

		P 1	ANTA	TIONS	No of Picula of	Cloves in S 2400 1542 1843	Gross Value of Cloves and	fur sea on 1842 1843	Estimated) ro- du e f Clove Urop for 1813 1844	Betimated Pro duce of Mott er Clore Crop for 1843 1844,
		Total	of 13 large pl	intations in Pennug	pia 78	cats 50	drs 3039	c t4 20	pia 419	Fla 71
Total o	of 93 ; 6	malido . du,	Pangoluship do	of Ayer Rejah Juliutong	11	E				
do	10	do.	do.	Glugor	1 9		360		50	
đo	27	da	do	So oghy Kluxn Balik I ulow	11		J		1	1
do	10	đe	do	Bahk I slow	P	1	ł.	ļ	1	1
fataT	ոստե	or of clim	e trees in Pi	inco of Wales island	87	50	3399	20	469	71

NUMBER of Clove Trees, &c., growing in Province Wellesley up to October, 1843

PLANTATION S	Braring Tree	Bearing	Total Flanted out	Plants in Nur ery	Q antry of Cr und f under Culti vstion
Total number of clove trees in Province Wellsaley do of Prince of Wales Island brought down	n mbe 1 e73 28,, 34	44 040	0 umber 7 630 7 1,770	number 2516l	aumber 54 463
Total of I rines of Wales Isleed and Province W liceley 08 plic	29 812	50 600	80 418	25 161	517

1812 1843	times Value of Clores and	Molber Ci ves r Sea-on 1641 1643	Estimated Pro-	Crop for 1918.	Fails for Pro duce of Mother CI ve Crop for 1543, 1544
	1	- 4			I
cats 13 50	drs 45 3399	6818 20 20	pis. 8 460	cats 20	71 71
	60 63				

TABLE --- (continued)

				out	rsory	Frond Vat on		IRO	DUCE			Gross V Liodu 181	ce in	110) CT 15 45	mber 1844
P L & N T A T I O N S	Bearing Tree	M Ice	h M Bearing	Total pianted	Plants in Nu	Quantity of r r nder Cultar	Nimher of goot vuts in 1842	Number of Inf rin Ni ts in I 33	Total Fred	Q antity of	1812	C d Nuts at dellars per 1000	Inferior N t at I dlr per 1000	Estimated of Nuts for	Estimuted N
Total n u be of nuture trees in Province	i i		number		number	or			unmber			dollars	1		
W H si s otal of Prince of Wales Island	10 501 61 J /2	39.209	307	25 90	5 510	247	1,.09,619	146/ 31	1 984 101 16 5 7 N20		648 96	9 966 76,944		1 980 000	29.44

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28 | 63
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33
 | 80
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201
201 | 11
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 | 31
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 | 37
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PENANG AND PROVINCE WELLISLEY

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ORIENTAL COMMERCE.

TRADE OF PENANG

The value of imports and exports, not including treasure, nor that portion exempt from duty, nor that large portion which only sailed through the port, but such goods alone as paid duties, is stated as follows in the custom-house returns for the following years —

YBARS	Value	Value
1916—17 1917—19	Sp dollars	2,298,014
1912-10 1928-23 Add value of piece goods Sam trade and opium which is included in the former years but the doutes on which have	2,306 472	2 2:1 4:5
been rematted since July 1820	1 243,219	
been remained since July 1820	1 243,219	3 49 66

THE Trade of	Penang, m	1828-29,	was as follows -

TMPORTS		EXPORT	s
COUNTRIES	Value.	COUNTRIES	Value
Prom Calcutta Madrus - Beautoria - China - Sumoria - Sumo - Trausseria - Delia - Quedah - Other places.	Sa. Rs. 10,04,986 16,15 850 2,65 200 1 67 670 1 77 610 1 77 610 8 08 613 2,04,06 2,21 200 1 92,398	To Calcutta Madraa Kogibad Chron. Simm Tensterin. Dehls Sumatra Quidab Ollar placos	S4 Rs. 3 57 126 2 38,765 3,30,146 30 678 9 55 834 9 66 0-33 1 55 132 10,7 1,342 1 38 30 1 35, 304 1 38,414
Toras merchandise treasure	63,23,872 8,34 232	Torat merchanduse	35,00 400 7 19 876
Toral imports So Ro	60, 56, 104	TOTAL SEPORTS S& Ba	43 20. 76

QUANTITY of Straits Produce exported by the Company's and Country Shups from Penang for Chana, as reported at the Office of the Registrar of Lyports and Imports, 1833

PRODUCE	Quantity	PRODUCE	Quantity
Black popper White ditto The		Betclaut Ratans	ptepis 5 \1 3,871

COUNTRIES.	13	# P O B T	S.	COUNTRIES.	ß	X PORT	8.
	1843 13	1943-44	1844-45		1842-43	1845-44	1844-42
rem Grost Britain Porsiga Europen- Manritis	Co.'s Rs. 59.917 35,403 35,339 584,553 732,652 732,652 732,652 732,652 732,653 93,543 403,009 208,539 372,091 42,129 224,436	Co.'s Bs. 451,959 21,724 88,078 81,074 15,533 1,256,613 426,633 426,633 426,633 426,633 5230,002 53,604 185,453 505,624 169,252 481,665 17,053 373,058	(b.'s Rs. 250,300 47,437 81,773 80,343 1,329,560 607,132 14,160 30,813 14,160 30,813 14,160 30,813 14,160 30,813 14,153 834,136 71,159 897,799	To Gruss British Pennip Roreps Marifato Galenta, Re. Salarsand Cast. Calenta, Re. Salarsand Cast. Calenta, Re. Masimeth, Re. Achero. Sian and Puoyab. Quedab. Delta.	Co.'s Rs. 230,491 178,789 57,892 57,892 10,244 553,420 369,307 112,034 30,884 30,884 5926,885 522,885 539,491 163,679	1845-44 Co.'s Ba 323,679 983,850 46,520 10,760 773,930 185,086 \$21,621 35,927 363,572 367,614 220,965 72,813 367,614 220,965 72,813 991,952	1844 43 Co.'s Hm 616,177 933,432 339,363 6,816 543,363 543,363 543,363 543,363 543,363 543,363 543,363 543,363 543,545 10,0,54 10,255 76,205 253,667
", Other Native Ports. Total Total Specie GRAND TOTALS. Dial amount of imports i	8,583,929 847,948 4,411,168 a 1844 45, a from	\$02,07% 5,079,314	1,189,652	" Uther Native Ports. Total Total Specie GRAND TOTAL. Total amount of Exports in	4,040,844 1,044,561 5,085,203	3,845,957 1,648,848 4,894,905	4,035,427 1,138,733 5,169,190 4,035,45 1,223,221
TOTAL COMPA	ova Rapes		5.541.840	TOTAL COURSE	nv's Rupes		5,333,93

COMPARATIVE Abstract Statement of the Trade of Penang with the undermentioned Places for the last Three Years.

NUMBER and Tonnage of Square-rigged Vessels which have Imported and Exported into Penang during the following Years :---

COUNTRIBS	-		INPO) B T B.		
COUNTRINK	1649	48	1648	-44	184	-45
Frent Britalo	number.	tons.	number.	tons,	sumber.	tons.
ape of Good Hope	8	1,045	1 1	803	1 2 1	1,81
ew South Wales.		21	1 ~ 1		1 1 1	18
oreign Burope		2,154	1 1 1	2,659	1 1	
overige isorope		2,376	1 1		8	1,03
merica				436		1,05
aurition	3	660	I 8	1,712	1 7 1	1,60
ourbon			1 1		1 7	2,01
alcuito, &c.,	48	10,484	85	17,894	17	16,70
ladras and Coast	41	8,309	23	5,271	(29)	5,84
ombay	19.	3,931	15	4,276	5 5	2,07
wion	1 1	182	a	816		59
oulmein, &c	30	4.740	92	9,723	14	I.34
cheen	84	4.479	50	3.301	34	8.56
rabia	4	1.465	1 1	9,353	1 6	2.01
alacca.	i à	71\$			l ă l	1.31
bgapere	144	33.846) 150 1	97.783	أقعدا	26,20
344 Fig			1 1	610	1	30
bron	241	11.441	1 1 2	5,603	1 10	7,89
iam and Pungah				245		1,000
ubdah			1 . 1		1 3 1	
allie	4	487	6	693	6	1,04
Тотах	369	76.387	318	28.664	379	75,36

ORIENTAL COMMERCE.

NUMBER and Tonnago of Square-rigged Vessels, which have Imported and Exported into Penang, &c.-..(continued.)

1842	-48	184	3-44	1	
				1 1044	-13
aumber. 3 6 3 50 13 41 34 34 34 34 34 34 34 34 34 34	torus, 1,018 1,868 1,581 12,308 10,740 6,702 103 7,693 4,3365 804 29,507 7,521	Bumber, 3 6 1 59 18 37 24 97 24 97 24 97 24 97 17	fans 1,273 2,963 4,33 6,13 6,140 5,447 5,813 3,682 2,456 2,568 2,568 2,568 2,568 80 5,455	Bussber, 6 3 1 90 41 7 97 97 97 97 1 144 12	tona, 1,741 1924 5tt4 1,310 1952 21,737 7,409 2,467 4,148 3,040 3,201 131 22,838 4,087
- 1 Xett	47 487		711	1 9 704	60 1,259 76,096
•	6 9 33 30 10 11 41 34 41 34 41 34 41 34 41 34 41 34 41 34 41 34 4 34 4 34 4 34 4 34 4 34 4 34 34 4 34 3	6 1,888 9 1,589 10,760 10,750 10,7	6 1,688 0 9 1,589 1 9 1,589 3 50 1,5300 64 50 16,760 30 10 6,7791 13 41 7,753 37 43 7,073 37 43 4,054 96 100 26,077 16 22 7,581 17 34 4,677 16 44 7 6 24 7,581 32 34 4,352 16 340 36,777 14 27 7,581 17 34 4,367 - 4 467 - 4 487 - 580 76,694 352	6 1,008 6 2,007 7 1,888 3 4,000 10 1,000 3 1,000 10 1,000 3 1,000 1,000 10 1,000 3 9,000 1,000 1,000 10 1,000 3 9,000 1,000	6 1,868 6 2,707 5 1 1,68 1 48 1 3 1,268 64 1,68 1 50 1,268 64 1,68 1 50 1,268 64 1,664 90 10 1,0740 31 3,641 7 11 6,093 13 3,641 7 41 7,093 255 2,164 27 4 3,97 1,643 9 1,163 10 21,67 255 2,164 27 10 21,677 3 6,273 1 10 21,677 3 6,273 1 2 4,677 3 6,273 1 1 2 47 7 1 9 4 1 1

NUMBER and Tonnage of Native Vessels, Prahus, and Junks, which have Imported into and Exported from Penang during the following Years.

COUNTRIBS.			IMPO	DRTS.		
	164	2.48	18 1 2840		1841-45	
Singapora. Malacia. Noslanein, & Acbeen. Vian and Progets. Quevalo. Quevalo.	17 40 264 73 181 289	1096, 1517 494 4921 2409 9221 2078 1415 674	Bumber. 25 13 41 230 73 160 176 211	60ns. 2410 338 4045 8618 3150 1788 2705 1093	number, (62 12 43 200 159 164 284 376	100#. 4835 369 4443 3695 3415 2565 1723 1175
Tor46	984	16,030	1123	20,145	1331	21,762

STATEMENT	(continued.)
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COUNTRIES.		R X P O B T B. 1842-48 1843-44			·12	
Singapore. Maisora. Nostareia, de Acuera. Sinn and Fingah. Quedh. Quedh.	233 240 90 189 439	1095. 2,379 3,283 4,391 2,175 3,280 2,194 3,355	294mber 97 94 45 155 161 301 317	66.05. 2, 506 4, 126 5, 690 2, 568 3, 659 1, 163 1, 213	Dumher, 50 21 35 218 183 493 724 403	tops. 3,677 330 3,298 4,630 10,825 3,148 11,623 1,123
Terat	1240	20,918	1363	29.708	1575	38,574

ABSTRACT of the Number and Tonnage of Native Vessels which have imported into Penang during the following Years.

YBARS.	Vessels.	Tope.
1849 -45	number.	16,030
1843-44	2123	90,145 21,762

1 E A R S	V cosols	Topnage
1542-43	number 1346 1362	tons 20 918 22 708
184415	35 5	395.4

STATEMENT of the Number and Tonnage of Native Vessels which have Exported from. Penang during the following Years

MALACCA AND THE EASTERN ARCHIPELAGO

PERMAPS there are few, if any, of the regions of the earth more highly favoured by nature than the penneula stretching south from the British possession of Aracan. In none bive men done less, and few are so thinly inhabited, or by a less enterprising oi less thinfity race than the Malays, or even those who occupy that pait of the penneula included within the kingdom of Sham. The Burmese are a far more powerful, strong, and brave race, but, we behere, not more industinous

Malacca is undoubtedly, in its natural resources, a very rich country, abounding in useful woods, minerals, and feitile soils, with many good harbours, and, this Itahan like in form pennsula, with the numerous, and almost uncultivated islands, in the straits and of the coasts of Malacca,—and with Sumatra, as a gigantic Scilly of the Indian Sea, and Java, as it were an Oriental Crete, with Borneo and the other great and small and fertile islands of the Eastern Archipelago, have already opened the most ample fields for trade and navigation, which must rapidly be developed by the geuus, skill, and intelligence of commercial enterprise, and by the speedy communications which have been extended by steam to those seas and islands

In the Eastern Archipelago the inhabitants are remarkably valied both in character and employments They consist of diversities both of agricultural and commercial classes, from the wildest tribes, who seek a precarious subsistence in their woods and forests, to the Javanese, who culturates the fertile soil of that island, from the petty trader, who celets the cattered produce of the interior, to the Chinese capitalist, who receives it from him, and disperses it agoin to more distant regions, situated between the continent of China on the one hand, and of India on the other, and furnishing to Europe the means of an extensive commerce

By means of the variety of its tribes, their intermixture and connexion with each other and the "accessible muue of the consis, washed by the smoothest was in the world while brige and n'tigable avers open communication with the interior, the simulus of this commerce is proparated in successive waves through the whole, may be to an extent that could not otherwise have been obtained. Thus the savage and intractable Batta collects and furnishes the camptor and benjamin the spontaneous produce of the woods, the equality bushness the camptor and benjamin the spontaneous produce of the words the equality bushness the barrefur an interactive the bowels of the earth for its

gold and its diamonds, the inhabitant of the Soolo, seeks for the pearl beneath the waters that surround him, and others traverse the shores for the tripang or sea slug or descend into its rocky caverns for the Chinese luxury of birds' nests Ascending from these, we find the more civilised Sumatran, whose agriculture is yet rude, employed in the raising of pepper, the native of Moluccas in the culture of the nutmeg and the clove, the still higher Javan and Siamese, besides their abundant harvests of rice, supplying Europe with their coffee and sugar, and all impelled and set in motion by the spirit of commerce Not less varied are the people who collect this produce from all tl ese different quarters, till it is finally shipped for Europe, India, and China, from the petty bartering trader, who brings it from the interior to the ports and mouths of the river, the Malay, who conveys it from port to port the more adventurous Bugguese, who sweeps the remote shores to concentrate their produce at the emporia, to the Chinese merchant, who sends his junks laden with this accumulated produce, to be dispersed through the empire of China and furnishes Europeans with the cargoes of their ships florough the same diverging channels are again circulated the manufactures of India and Europe and thus a constant intercourse and circulation is maintained through the whole How much this intercourse is facilitated by the nature of the countries, broken into innumerable islands, may be readily conceived and the vastness of the field may be inferred, from the extent to which its commerce has actually been of the lifet mar every disadvantage of monopolising policy, and of insecurity of purson and property, by which the condition of the people has been depressed, and their in-crease prevented When we consider that they are placed at the very threshold of China, a country overflowing with an enterprising and industrious populition, anxious and eager to settle wherever security and protection are afforded, that it is this people who have chiefly contributed to maintain and support the energies of the native population, and have diffused the stimulus of their own activity wherever they have settled and that protection against despots and pirates only is wanted to accumulate them in any numbers, to create, it may be said, a second China, the resources and means of this extraordinary archipelago, will appear without limits

" Borne's and the Eastern Blands may become to Chua what America is already to the nahous of Europe The superabulant and overflowing populations of Chuna adposts an almost inexhamistible source of colomisation, while the new and fertile soul of these submits offers the means of minediate and plentiful subsistence to any numbers who may settle in them. How republy, under such existing subsistences to colomis may mercuse in population, where the elimate is at least as congenial to the Chunese as that of America to Liropeans, may be readily concerved from the expressive site for latter than afforded The wealth of their mines, and the extent of their own native population, added to the greater prosumity of Chuna, are advantages which were not enjoyed by America and must contribute to acceletate the progress of colonisation' — From a number of the Calentia Journal

The above extract, written some years ago at Calcuta, applies with equal force to the present condition of the straits' settlements, and islands, and of the Eastern Archipelago The future of those regions must be great. The Malayan pennsula is in length about 770 miles, with an average breadth of about 120 miles. The British settlement of Malacca extends about ioity miles along the shore of the Straits, and about thirty miles milaud. Its area is about 900 square miles bounded on the north by Solangore, on the south by Jehore at the river Moara, on the east by the Rumbo country. The sea coast is rocky The interior is in some parts mountainous. It has several picturesque valleys Moant Ophinr, in the rear, inses about 4000 feet above the sea

Although the great majority of the inhabitants of the peninsula are Malays, it is not the original country of that people They are said to have emi

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grated, from Palembang in Sumatra, about A. D. 1252, and founded the city of Malacca. The abarigines of the country were oriental negroes, like the Africans, with woolly hair, jet black skin, thick lips, and flat nose, and of diminutive stature, were driven inland to the mountains, where some of their posterity are still living.

Milburne says of the city of Malacca, in 1813 :---

"It is situated at the head of a small bay, in 2 deg. 12 min. north latitude, and 102 deg. 10 min. east longitude, and has a very neat and beautiful appearance from the sea. The city is large: many of the bouses are of stone and well built; and several of the streets are spacious and handsome. The fort is on the south side of a small river, over which is a bridge of several arches. The church stands upon a hill, and being always kept white, is conspicuous at a great distance.

Large ships anchor with the church bearing east 27 deg. north, in ten fathoms, about 14 mile from the town. Ships' boats may proceed into the river at about threequarters flood. In going in, keep the fort well open to the starboard, till the river is open between the fort and the houses; then steer directly in for the river, that being the deepest channel; the landing-place is on the larboard side, as soon as you enter the river, about two stones' throw from the bridge.

"Malacca was first visited by the Portuguese, under Sequeira, in 1508, and they experienced a friendly reception from the king ; but great jealousy arose among the commercial people of the different nations frequenting the place, especially the Arabs, which they so effectually instilled into the prince, as soon to destroy the good understanding between him and the Portuguese, whom he did not dare attack by open force. but used every species of treachery to destroy. Finding his plots detected, he ordered the massacre of all the Europeans who were in his power. Numbers were slain, but a few were kept as hostages, to prevent the revenge of the admiral. Albuquerque, who was then the Portuguese governor-general, taking advantage of this quarrel, sailed from Goa in 1511, and appearing before the port of Malacca, demanded the release of his countrymen. This demand was at first refused ; but after some hostilities, the king was so terrified as to send the surviving Portuguese, and offered to make peace with them upon their own terms. Those prescribed by Albuquerque were very high ; he demanded leave to build a fort where he thought fit ; reparation of all damages done to the Portuguese ; and a sum of money equivalent to the expense of the expedition. The king absolutely refused to yield to them; whereupon hostilities recommenced on both sides, which ended in Albuquerque's attacking the city by sea and land with great fury. After an obstinate resistance, it was taken by storm, given to the pillage of the troops, and the plunder was very considerable. The Portuguese immediately erected a strong fort, and put a good garrison into it; in a very short time it became famous all over India and Europe, and from its situation, commanded the trade of the neighbouring countries.

¹¹ I fo05 the Dutch attacked and destroyed a fact of Portuguese vessels, consisting of thirty-four sail, in the roads and made an attempt upon the place, but were repulsed. In 1640 the Dutch, knowing the importance of the place, and the vast advantages accruing to the Portuguese from the possession of it, fitted out a inrege fact from Batavia with a great hody of land forces, and at the same time concluded an alliance with the King of Johore, who invested the place by land, while the Dutch blocked it up by sea. It was taken after a gailant defence of six months against a very superior force.

"The Dutch retained possession of it till the breaking out of the war with Great Britain, to whom it was surrendered on the 17th of August, 1795, since which beriod the establishment of Pulo Penang, having superseded the necessity of maintaining it, the Company came to the resolution in 1805, of withdrawing the garrison and stores from Malacca and its dependencies; and, previous to the ubandonment of the place, the fortifications and public works of all descriptions were completely demplished, so as to render it of the least possible value to the energy, in case it should even again come into his possession Many of the inhabitante, with their families and effects, repaired to Prince of Wales' Island, and established themselves under the Company's protection "

The following sketches, condensed from recent accounts, afford further information respecting this settlement, which may become yet a great central nont of trade.

The American consul at Singapore reported some time ago,-

"Malacca, formerly a great place of commerce, became extinct when Penang by cession to the List India Company, was made γ British port. At present the trade of Malacca consists of imports of nee from Aracan, and of varous articles from China, for the consumption of its Chinese and Milay inhabitants. The articles of export are some twenty thousand piculis of tin, of good quality, and the walkingcanes which bear its name. The tin is smelled from stream ore, in and out of the British jurnsdiction, principally by Chinese, who yearly resort to that port from China, and Singapore. This operation is attended with great risk to the underthers and their labourers, for not unfrequently they fail victures to the capidity of the Mainy chiefs, who, too indolent themselves to undertake any task of continuous labour, size the first opportunity of appropriating to themselves γ rich booty. Hence the limited quantity of an exported from a region so rich in this metal Considerable quantities of goid dust are also sent from Malacca, but here again the enterprising adventure is met, not only by treacherous Malays, but is by trues'.

Alluding to the mineral riches, another practical writer observes recently,

"The rediscovery of Malacca by Europeans (for such in reality was the recent movement) appears to have awakened a new spirit of enterprise The Chinese miners, as if already feeling the presence of their great rivals from the west, and foreseeing that their monopoly must fall before their skill and combination, are eagerly extending their works Four new mines have been opened within the last three months, and unless English capitalists bestir themselves in time they may find all the stanniferous valleys pre occupied An American gentleman lately visited ill the mines in Malacca and in the Malayan states to the north and south, and as his report upon some of the localities where in is now worked is very favourable, it cannot be doubted that the information which he has obtained will be duly appreciated by his enterprising countrymen, whose habit it is to plunge in medias res whilst we sit weighing the pros and cons It may give our Cornish readers some idea of the metallic fertility of Malacia if we state that in one valley there are at this moment thirty-nine mines in operation Can it be doubted that the granitic hills at the heads of this valley, the waters from which have strewed its whole length with tin sand, hold numerous rich veins? In one locality where the ground was first broken so recently as October last (1845), there are now 1200 Chinese employed, and recent visitors state the ore to be so abundant that the miners have not yet had occasion to dig six feet below the surface The Chinese capitalists who have farmed the right of working mines in this locality from government, have hired a considerable number of Chinese emigrants, who lately arrived at Malacca

Aspror AND PRODUCTS or MLACCA ---- Those who may be deterred from coming to Malacca from the associations connected with tropical jungles, and the difficulties of new settlements, must at once rid their minds of such impressions, and picture to themselves a great tropical garden, in which plause and valleys are surrounded and intersected by hills covered with an assemblage of fruit bearing itees, and in front of this and arretching along a mediterranean see, a long dnik green zone formed of similar trees and a wast abundance of accounties, beneath which thousands of cottages and houses are sentered, and a country blessed with a pore atmosphere, and refrashing and salubrous breeses

"Six centuries have passed over Malacca since it was found a jungle by the Hindoo Malay emigrants Malayan civilisation during the succeeding two centuries and a half fourished and advanced under a strong government, and while the country beind gra-

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dually assumed the aspect of antiquity, the coast for many miles was converted into one continuous market place, where a trading population of nearly 200,000 persons were established, and to which vessels resorted from India, Arabia, China, and all parts of the Indian Archipelago. During the next 130 years Portugal, in its palmiest time, impressed an European character on Malacca; and then, for a still longer period, a more kindred nation, the Dutch, prepared it for the reception of English residents. This successive infusion of new ideas and new habits has given to Malaoca a very peculiar and very attractive character. At this day all the races who have one after another predominated, as well as many others who, without possessing authority, have played the most important parts in its history, exist not only distinct, but co-mixed. Prejudices of blood and religion have been broken down or subdued. Each tribe, more or less, cut off from the powerful segregating influences that reign in its native land, and subjected to the fraternising force of common pursuits and constant intercourse, has found nature stronger than prejudice, and Christian and heathen, papist and heretic, Islamite and unbeliever-men of every tongue, and race, and colour, from the Ultima Thule to the golden Chersonese, and further still-not only live in perfect harmony, but mingle their blood without any misgivings. It would have been a sin against nature, here so gracious and so bounteous, had humanity proved more stubborn. This harmonious diversity, which marks the people themselves, extends to their architecture and all their habits of life. The great cause of this peculiar character of Malatoca is the fertility and beauty of the country, and the remarkable purity and salubrity of the air. These circumstances have wedded the emigrants from different nations to the place, so that, instead of hastily gathering what wealth they could, and returning to their native countries, they have found themselves unable to break their attachment to Malaces, and it has become their adopted home.

"The very liberality of nature has, to our utilitarian notions, had its drawbacks. Men who find that their own country possesses almost every thing which they can desire, and merely to live ia which is pleasure, have no adequate motive for exertion. Nature has been so kind that her children are necessarily indolent, and more prone to enjoyment than labour. Hence it happens that while, on the one hand, the conforts and lowaries of civilsed existence may be found in all their fulness and at a cheap cost at Malacco, on the other hand, civilisation has left a wide economical field almost untouched. On the sea shore you have a mixture of the oldest European and the oldest Assatic civilisations, with every thing that can please the eye and satisfy the desires of hald was secreting valuable metals; in a word, everything that can excite the cupidity of the utilitarian sons of the West.

"The stream tin of the peninsula we believe to be so abundant that ages may elapse before it shall be necessary to have recourse to the expensive process of mining, properly so called. The stanniferous region is so great that, although it has long been wrought, not a single valley has been thoroughly worked, and not one valley in a thousand has probably been touched.

" "A Malacca Sugar Company has since been formed, and a large and valuable tract lying on the River Lingie, has been applied for on their both!. This tract is described to possess soil of superior quality, strength, and fertility. It has the great advantage of having excellent water-carriage, being bounded on the north-west side for about three miles by the River Lingie, a broad stream that would admit a 300-ton ship over the bar, and carrying from four to five fathoms of water for a considerable way up its course. Of this land, about 3000 acres consist of an allivial plain fitted for the growth of augar, while the rest is hilly and adapted for pasturage. At no great distance from this there are two or three other allowing lists, varying in size from 3000 to 800 acres, well fitted for sugar cultivation. But in other localities there is ample room for far more extended cultivation of sugar. In all parts of the territory there are valleys large enough for large plain on the north of the River Kissanç, the southern boundary of Malacca. The soil is here rich and deep. It appears that the upper soil is a black mould of about eight inches, resting on a dark soil of a foot in depth, composed of mingled earth and vegetable matter The whole rests on the ordinary light clays of Malacca, which yield good crops of rice, &c but this is not found pure until a depth of three feet has been attained The great advantages of the locality are the continuous extent of flat land, easily drained and easily irrigated, where draining or irrigation may be useful-the circumstance of its having a sea-board of ten or twelve miles, with numerous creeks and streamlets on one side, and a river frontage of about fifteen miles on another-and. above all, the absence of numerous scattered Malayan farms, which, in localities, oppose a considerable obstacle to the acquisition of connected tracts for large plantation. Οn. the two remaining sides the tract is bounded by rivers, on the borders of which are broad zones, cultivated, and inhabited, and traversed by a highway Another highway runs along the coast a little inland, and brings down another belt of cultivation but this is not so far as to deprive the tract of a considerable sea-board, little inhabited The extent of available land here may be roughly estimated at 150 square miles. It is probably larger

In addition to a number of private persons who are preparing to engage extensively in cultivation, another company, besides the Malacca Sugar Company, has been projected on a large scale, and arrangements have already been entered upon, so as to allow of active operations being commenced immediately upon the company being constituted in England The gentleman who has made the preliminary arrangements is well versed in the practical details of such concerns, having been long engaged in sugar cultivation in the West Indies, Bengal, and the Straits, and in the latter locality has acquired that knowledge of the natives, their language, and modes of operation which will enable him to proceed to work at once and with certainty He has visited Mulacca and selected the ground, and proceeds to England by the present mail, there to complete the further arrangements The locality chosen is in the immediate neighbourhood of Malacca, and consists of a fertile tract of alluvial plain, on which 5000 acres have been provisionally arranged for with government. It possesses great facilities in an unlimited command of water, for purposes of transport and manufacture, and abundance of wood for fuel Its vicinity to Malacca will be advantageous for ensuring labour, and being bordered by an extensive plan, at present cultivated with rice, will permit of the cultivation and manufacture of sugar being prosecuted to any extent required Chinese are engaged to commence the planting of cane to a considerable extent

"In regard to labour, Malacca offers advantages for procuring it both in abundrace and at a cheep rate Clunese labourers to any extent can be obtained from Singapore, which is within two days sail of Malacca, and where from the to fifteen thousand emigrants, labourers chiefly, annually arrive from Chuna The services of these men can be procured at a very small rate, and the cost of their maintenance will not be great, from the low price which the necessaries of life bear in Malacca

"The contract system is decidely the most advantageous, whether the manufacturer employs tupon land of his own, or merely erects a multi, and contracts with the collivators for the cane. This plan has been followed, both at Penang and Sugapore, with the most signal success. When the labourers are employed merely on monthly wages, the result is found highly unsatisfactory, as they have no great inducement to creation, and the most constant and vigilant supernitendence is unable to cope with the disposition to trifte and shirk their labour, which characterises antires in Buropean employ, besides the constant risk of offence being given to their prejudices and feelings, and which, when given, readiers them watchful to thwart and andarrass their employer. On the other hand, labourers (Chanese almost principally) under the constant system, which is now generally in operation for sugar planting in the Stratis, have a direct interest in the pro fuce, since their giuss depend upon the quintity of sugar produced, they work not under the consistent explosione is, that they work sealously and to the purpose. The follow ing is a description of the system as pursued in Sirginger —

"The system of contracts with the Chinese has by experience been found to be the best plan of proceeding, and has, accordingly, we believe, been very extensively adopted

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By it, not only is a better cane produced, but the erop is more abundant — The plan is this—the ground is cleared, planted, and the whole management of it undertaken by the Chnese, who bring the crop to maturity and cut it down I is carted from the ground by the manutacturer to the mill, and the Chinese are allowed at a certain rate upon the out turn of sugar — The sum at present green is about a dollar and a half per proit, but as the cultivation extends, and more Chinese are found willing to engage in it, it will no doub be considerably reduced, and still leave the Chinese contractor a very handsome profit ?

Colonel Farquhar, for a number of years resident at Malacca, and Laeutenant Newbold, who speak from personal observation, are chiefly the authorities for the following remarks —

" Nature has been profusely bountiful to the Malay peninsula, in bestowing on it a climate the most agreeable and salubrious, a soil luxuriantly fertilised by numerous rivers, and the face of the country diversified with hills and valleys, mountrins and plains forming the most beautiful and interesting scenery that it is possible for the imagination to figure in contemplating which, we have only to lament that a more enterprising and in-dustrious race of inhabitants than the Malays should not have possessed this delightful region and we cannot but reflect with pain and regret on the narrow and soldid policy of the Furopean powers, who have had establishments here since the early part of the fifteenth century, by which every attempt at general cultivation and improvement was discouraged and to such length did the Dutch carry their restrictions, that previous to the capture of Malucca by the English in 1795, no grain of any kind was permitted to be raised within the limits of the Malacca territory thus rendering the whole population dependent on the Island of Java for all their supplies Under such a government it is not surprising that the country should have continued in a state of primitive nature , but no sooner were these restrictions taken off by the English, and full liberty given to every species of agriculture than industry began to show itself very iapidly Notwithstanding the natural indolence of the Malays, the Malacca district now produces nearly sufficient gruin for the consumption of the settlement, and with proper encouragement would I have no doubt, in the course of a few years, yield a considerable quantity for exportation

The paddy grows most luxuriantly and yields from two to three hundred fold. One crop annually is all that is at present raised, but from the constant rains which preval here throughout the year, two, or even more, crops might, with industry, very well be produced

¹ There is great variety of the nehest soil in the vicinity of Malacca, adapted to the growth of every thing common to tropical climates, the vicetation is luxuitant here beyond what is to be met with in any other parts of India, the sugar case is equal to any produced in Jiva, and lar exceeds that of Bengri coffic, cotion, indigo, chocolate, pepper, and spices have all been true here and found to three remarkably well but as yet no cultivation to any cytent of the e articles has taken place, principally arising from the uncertainty of the English retaining perminent possession of Malacca, and to the appreheasions the native inhibitiants entertain of being obliged to densit from any species of a, in duru pursuits should the suffement revert to the Durch.

⁴ I. I. cyont uncous productions of the sol are very numerous, consisting of an almost endless variety of the richest and most delicious truits, amongst which the far-famed man_sosteen holds the first rink, and rittains a higher perfection here than probably involver else indeed Malacer stands quite unrevalled in the quantity, variety, and agreeable divous of its firsts. The country is covered with very face and durable timber for ship ind house building, although not enriched with forests of the k

"*i he Port of Milacca* is, beyond ill comparison, the most convenient of any in the traits tor ships to touch at for triestiments, and the supplies procuable here are most obund uit and it very tracson ble rates. All kinds of poultry fish, and regatables, fruit, Se & , are to be had at ill sensor of the year. Oxen cumot be obtained, but buffaloes are very plentith, and of the largest and finest kind. Sheep the secret being all imported from Brogari but oots and hogs may be procured at moderate prices.

"Nothing can be a stronger proof of the extent to which supplies are obtainable at Malacca, than the encumstance of the expedition to Java having rendervoused here an 1811, duing which period not less than 80,000 men were furnished daily with fresh provisions of every kind, as well for Europeans as Natives, in the greatest abundance

' The climate of Malacca is one of the best in India there you experience none of the extremes of heat and cold, but at all times enjoy a uniform temperature the most agreeable The thermometer ranges from seventy-two to eighty-five degrees throughout the year, seldom exceeding the latter, or falling much below the former The mornings and evenings are particularly cool and refreshing, and you have seldom to complain of hot, sultry nights There are regular rainy or dry monsoons at Malacca, such as prevail over the continent of India , the runs, however, are more constant and heavy in the months of September, October, and part of November, than during the rest of the year. and from the month of December to the middle of March, whilst the north east wind blows the strongest, the weather is considerably drier than in the other months Malacca enjoys regular land and sea breezes, during the height of the north-cust monsoon the sea breezes are very faint, and the land winds at that season frequently blow with considerable force and little variation for some weeks, they are not however of a hot and parching nature, like those on the continent of India, owing, no doubt, to their passing, over a considerable tract of country thickly clothed with woods, so that the earth never becomes heated to any great degree The mornings at this season are particularly agreeable, the weather being quite screne, and the air sharp and bracing Very little variation takes place in the barometer at Malacca during the year it is found to fluctuate between 30 deg 3 min , the highest, and 29 deg 83 min , the lowest, giving an annual variation of only one-fifth of an inch

"The salubrity of the climate may be pretty fairly judged of by the number of casualizes that have occurred in the garrison for the last seven year, which, from a correct average taken from the medical register of those men who have died from diseases contracted here, does not amount to quite two in the hundred, a smaller proportion than will be found in almost any other part of India "-From Col Iorquiar's Statement concerning the Scittement of Malacco

"The soil of Malacca is remarkably fertile, and in many places capable of producing escellent nutmegs and cloves Rice is grown in abundance, the ground irequently yielding more than two hundred fold. The supply of water, both from springs and rvuleta, is easy and plenuful. The chaef rivers are the Langie the Malacca rise, the Cassang, the Surgie Barn, and the Duyong. The first is mavgable for small brigs ten or twelve nules from the mouth. They take their rise among the hulls in the interior, and empty themselies into the Strat of Malacca. The mouths of these rivers are more or less obstructed by bars and sandbanks, their sides are generally low, in many places swampy, and covered with forest.

"The last census (July, 1836) gives the total population of Malacca and its territory, including Naming, at 37,706 souls, of whom the greater proportion are Malays fu 1818 it amounted only to 25,000, giving an increase in eighteen years, of 12,706

"Agreeulture is on the incresse', and prime-al forests are fast disappearing under the race of the clearer. The notionus salubrity of Malacca, the richness of the solid and the facility of water-carriage, offer great attractions to colonists. The spots I would recommend are the banks and mouths of the fargest rivers. Qualla Lingev, or the mouths of the Linger true, is a locality extremely well adapted to the wants of a young colony Its advantages are, a navigable river, leading up to the tim mines of Sungie-upong, filled with fine fails, a safe and easy communication both by land and ser with the town of Malacca, and a great extent of undulating territory, particularly favourable for the cultivation of rice, cocca nuis, and spices — Merebold & Brath Settlements, for

SING APORE

SINGAPORE

Fith Island of Singapore is admirably situated for commercial and maritime enterprise It may be said to command the Indian Seas A narrow struit, in some parts little more than a canal, a quarter of a mile wide, divides it from the main land. It is about twenty-seven miles from east to west, and its extreme breadth about frifteen miles estimated area about 270 square miles, or 172,800 acres A great number of small and nearly desert isles are scattered round at a distance of a few miles

The rise and prosperity of this settlement are owing chiefly to the enterprise of Bittish merchants. It was founded in 1818 by Sir Stamford Raffles, a few hundred Malay fishermen were then its only inhabitants. Next to Batavia it has become the greatest commercial port in the Eastern Archipelago

The islind of Singapore is low, marshy, and monotonous in its appearance. The crection of substantial public buildings and handsome well constructed dwelling houses, and of baths, concert-rooms, and other elements of civilisation, render it both an attractive and agreeable place. The leading merchants, brokers, sliopkcepers & e., are British, and there are several wealthy resident Chinese merchants and shopkeepers in the place, great numbers of Chinese arrive annually in their triding junks, many of whom settle at Singapore. The climate is considered salubrious, and the inhabitants frequently live to a very advanced age

Accounts are kept in Spanish dollars divided into cents The usual credit on sales is as follows —Europe goods, three months, Indian and China ditto, two months, Optium, two months The last article is frequently sold for cash Produce is generally bought for cash

The common weight is the picul of 1333 bs Avoirdupois, divided into 100 exities Salt and rice are sold by the coyan of forty piculs Java tobacco by the corg of forty baskets Bengal nice, wheat, and gram, by the bag, containing two Bengal maundis Indrin picce goods, by the corge of twenty pieces Gold and silver thread, by the catty of thirty six dollars weight Gold dust, by the bunkel, which weighs dollars equal to 832 grams troy

Singapore is in every isspect a free port, there being i either import nor export duties, nor harbour or shipping dues,—vessels of every nation are free of all charges. The intercourse with China, the Lastern Peumsula, and the islands in the Archipelego, is conducted by natives in junks, prahus, and craft of the mot twined description—every year showing an addition to their number and to the places in which they have been equipped If to these be added the European, Indian, and American vessels, the whole amount of the shipping annually enter ing Sing-pore is upwards of 300,000 tons

The Singapore Chromicle was commenced about the year 1823, in a quarto

form, and for several years appeared once a fortnight, and being printed at the Mission Press, contained for a long time little else than government notifications and a very small share of commercial news

Early in 1827, however, the odious censorship baring been withdrawn from the press of Singapore, new vigour was infased into the journal, and in a year or two afterwards we find the *Chronicle* coming forth in an enlarged and im proved form, taking the sub-title of "Commercial Register," and insued weekly

On the 8th of October, 1835, a second paper, entitled the Free Press, was established, and by the united, and sometimes conflicting efforts of these two journals, the local occurrences and interest of Singapore are fully and fairly represented Both papers now devote much attention to mercantile affairs, and publish useful commercial and statistical information

	1823	1823 1825			1830			
DESCRIPTION	TOTAL	Males.	Females	Total.	Male	Female	. TOTAL	
	number	number	number	number	numb	er number	r number	
Buropeaus	74	81	20	232	1 1	13 1 19	69	
Native Christians	74	139	78	206	25			
Armenians Arabs	16	13	5	18		8 7		
Klings	10 390	573	32	603	1 143	28 97 54	28	
Natives of Hindestan	366	257	127	381	1 142			
Bugis and Balanceo	1,501	863	579	2 4 12	1 1 10			
Malays	4 .90	3264	2433	5,697	2.64	3 2530	F J 13	
Chuncae	3 317	3553	396	4 \$29	6 05			
Javanese Caffres	- 1	113	33	340	34	8] 225	007	
Niemes				1		1	1	
Indo-Britan		1			} .	ม่ะ		
Jews	ł	1				9	9	
Parzees		1			I			
Boyanese		í i	() () () () () () () () () ()	1	1	1	1	
Portuguese		ł		1		1		
	10 030	9147	3708	12.855	12.21	4121	16.134	
Military and followore	300	635	130	663	{ ****		1 10,131	
Strangers on an average	2,500					1	1	
Cot victs	(204	2	206	1	1	,	
Sick and insane in hospital	i			i		_		
TOTAL	13 579	9866	3810	1376	<u> </u>			
		1840		1		1845		
DESCRIPTION								
	Males	Females	TOTAL	Ma	cs	Females	TOTAL	
	number	number	pumbr	r uwr	han	number	num!	
Ruropeans	102	GS	160		04	132	336	
Nati e Christiaus	265	209	461		· 1			
Armenians	19	17	84		98	27	45	
Arabs Klincs	2 4 5	159	3 601		10	50	210	
Natives of Hindostan	237	185	540		50	200 1	4 648	
Bagis and Balinese	1 7 69	916	2.65			631	1 11	
Maleys	⊉ 960	4032	9 031	1 82	17 }	4 818	10 (33	
Chinese	13 618	1601	1 17 1/1			3 367	32 13	
Savadese Caffrea	Q48	386	1 03		49	183	1 2 2 1	
Siamean	1 19	1 'à	2		20	33 [5,	
Indo Britone	84	60	1 18		58	172	280	
Jewa	8				37	15	32	
Parsecs	18		1 15		4		14	
Boystiese Partuguese	1	1	1		3	108	34 38	
LaterCan								
	26,240	7719	33 965		33	10 454	\$ 347	
Military and followers Strangers on an average	1		4.000		1		2147	
Convicts			1 265			ł	3,000	
Sick and Insane in hospital	1	(1 200	• 1			\$7	
TOTAL			39 G81				57 421	

COMPARATIVE Statement of the Census of Singapore from 1823 to 1840

SINGAPORE.

Trade of Singapore.—There were no correct accounts of the trade kept until 1824. The value of merchandise imported and exported on junks, prahus, &c., amounted in eighteen months, from the 1st of May, 1820, to the 31st of October, 1821, to nearly three millions of Spanish dollars; and the value of the imports and exports, by square-rigged vessels, was estimated at two millions.

In November, 1821, eighteen ships arrived at, and fourteen departed.

1822.—Tonnage employed in the trade of the island, 130,629 tons; value of imports and exports, 8,568,172 Spanish dollars.

IMPORTS.	-	BXPO	RТŚ.
DBSCRIPTION.	Value. D	ESCRIPTION.	Weight.
Indian plepe goods	ish dollars. 500,000 Sugar 209,000 Pepper Th		fons 1,600 da. 1,400 picule 18,620

The number of clearances to European vessels, at Singapore, from the end of December, 1822, to the beginning of January, 1824, amounted to 208. Fortyseven cleared out for Hindostan, forty-two for Malacca and Penang, forty-eight for China, nine for Great Britain, four for Manilla, three for Siam, four for Tringanu and Kalantan, five for Borneo, twenty-nine for Java, six for Sumatra, eleven for Borneo, and one for New South Wales. The tonnage of these vessels amounted to more than 75,000 tons; many vessels put in for the convenience of wooding and watering only, others traded to a small extent; some took in a portion, and a few, the whole of their lading. The port is so convenient for entering and departing, that almost every ship that sails through the Straits of Malacca touches, either for cargoes, supplies, or to obtain information. Out of 424 vessels that passed and repassed the Straits of Malacca during the year 1823, not more than aix or seven passed on without touching, and these were obiefly butch men-of-war.

A very important branch of trade is that of the Chinese junks from Canton and Fokien. In 1823 these amounted to six in number, averaging about 3000 tons. They import and export full cargoes to and from Singapore.

^{*} The native vessels from Siam in 1823, were forty-three junks, equal to about 11,000 tons. The greater number of these imported full cargoes, and carried away other articles in return. A few Siamese vessels traded previously at the ports of Java and Fenang, and touch at Singapore to make up their cargoes.

The native trade with Cochin China during the same period, was carried on in twenty-seven junks, of about 4000 tons. These vessels, with the exception of a few to Malacca and Penang, traded direct with Singapore.

The trade of the India islanders with Singapore was then much the same as now, divided into the following classes. That of the Bugis, of the Borneans, the Sumatrans, and that of the Mulayans in the immediate neighbourhood. The

whole of the port-clearances throughout the year 1823, amounted to 1445, and in this enumeration the same vessels making repeated voyages were frequently included Between this port and every place within the Straits of Malacca, frequent intercourse was kept up throughout the year, and there was then a class of vessels which often made three voyages a month between Singapore and the Dutch settlement of Rhio, about sixty miles distant The most important branch of the trade of the Indian Archipelago has been that of the Bugis, who, from their distance and the nature of the monsoons, make but one voyage throughout the year. In 1823 the Bugis prahus of the different countries they sailed from, and traded to, Singapore, were not less than eighty in number, comprising nearly 3000 tons The trade with the state of Borneo Proper has been, even in 1823, another considerable branch of the island trade It employed about twenty-five large prahus, carrying about 1500 tons The whole of the native trade of the Archipelago to Singapore, taken together, (exclusive of the ephemeral trade of the immediate vicinity and of the Straits of Malacca, was stated, in 1823, at 4500 tons annually

Sir Stamford Raffles, writing to the Duke of Somerset, says --

"The commerce, therefore, which I have endeavoured to secure by the occupation of Singapore, is no less important to us than it is our legitimite right Within its narrowset himits, it embrases fair participation in the general trick of the Archipelago and Sam and in a more extensive view, is initimately connected with thirt of China and Japan We should not forget that it was in these sens the context for the commerce of the East was carried on and decided—that it was this trade which contributed to the power and asplendour of Portugal, and at a later date raised Holland from insigniti cance and obscurity, to power and rank among the nations of Europe "

The rapid advance of Singapore from its establishment in 1818, to the present period, fully justifies the policy of that great man

The prosperity and gradual increase of trade has taken place too, in despite of many early obstacles the principal of which were the unchecked prevalence of piracy in these seas, which seriously affected the native trade throughout the secret as well as the open opposition of the Dutch, the prohibition to import fire nims and ammunition, which (as applicable to purposes of defence as of attack) the natives were obliged to procure when and how they could, and the exclusion of American traders, for some years, from a participation of the trade of the settlement, by which it was depived of much of the specie which they have usually brought from the United States, to purchase Oriental products

COUNT	arss.	1523-24	1824-25	1823-20	1826	J827 — #8	1828 - 29	1829—80	1680-31	1631 89	18\$253	1683-34	163468	163530	183657	1837	183839	1989-4
		deltara.		dollars.			dojiars.	dollara,	dollars.	doilass.	dollars.	dollars.	dallars.	dollars. 868,497	dollars.	dollar4.	dollary. 1.147.920	dollars 1,450,90
Breat Britsin	Merchandlee	1,109,994 38,000	550,006	3,800,841	1,002,807 2,600	1,293,659	3,136,080	3,453,166	3,470,356	2,042,095	2,562,172 17,692	3,327,129	1,307,793 44,652	5,630		215,877	7,999	9,49
Poreiga Europe.	Merchandise				373,901	129,327	184,681	1,791		20,176	39,871	119,788	139'035	114,051	\$3,840	70,488	114,789	155,60
	7 Treasure		4,000				51,258	* ::			86,763	· ::		176,780	309,540	118,109	178,828	56
Imerica	Treasure				100		10,000	69,665	16,484	12,661	19.401	7.166	3,443	85.663	41,706	22,700	77,107	128,84
il euritius	Herchaudise	:	::	\$5,044	98,456	46,559		600				5,000		1,900		979.228	205.911	532.05
alcutta	Merchandlan	205,593 334,471	791,936 335,144	285,391	556,088 412,919	490,035	808,074 312,030	284,130	444,373 517,253	3\$3,106 546,433	250,301 015,224	331,400 619,938	468,107 477,510	292,81%	210,628	837,033	754,151	874,51
A. A	Tressure	9,800	4,860	8,600	14,207	\$52,114	45,018	46,208	43,677	60,529	21,562	23,200	44,607	18,637	28,894	86,815	31,673	98,21 106,53
fadrus	Merchandian	11,000	21,575 60,518		318,299 196,396	286,550	141,961			79,054	115,825	143,308 186,097	172,028	132,132	53,091 306,566	\$5,599 285,927	95,556 219,514	253,21
lombay	Treasure	81,593	29,300	19,000	\$3,574	16,235	61,293	49,165		26,040	58,017	80,110	80,051	45,541	163,152	67,878	39,875 27,449	83,21 12,91
Leabia	S Nerchandise			••		••				13,753	14,125	3,452 A3,508	13,117	22,405	14,041	19,460	8,000	20,00
	(Merchandise	::		::			1,099	8,259	14,649		6,475	12,635	3,374	3,849	10,320	7,736	2,841	6,05
	Merchandise				••	::	147,691	148,302	160,380	\$5,328	97.240	261.479	463,573	329,364	250,372	441,437	257,798	\$97,71
Janilla,,	Treasure	::					18,990		4,390		••		1.163.045	1.049.661	1.286.807	2,858 L121,049	8,735 1,070,308	4,79
Adam	Herchandise Tressure	\$\$5,815	1,062,030	743,623	1,069,435	619 541 93,500	850,924 80,938	\$99,887	867 005 82,800	183,932 1,469	742,186	991,650 22,344	30,639	23,004	25,243	48,100	67,184	11,72
	Merchandise	405,678	371,878	145,546	854,467	436 656	467,108	872,348	\$20,625	\$41,179	447,105	6819,335	60P G78 30 235	563,7,14 9,9:14	486,442	561,633 22,567	425,080	340,80
	Treasure	07,880	237,244	17,550	42,400	80,933	24, 402 78,674	53,810	21,764 30,416	18,614	114,589	25,154 85,706	57,827	80,676	34,411	66,516	48,144	47,94
Rhio	Treasure						19,510	28,290	31,232	33,003 210,680	61,81.5 \$19,46\$	4),9.15 196,#22	66,890 159,141	65,282	72,578 345,012	48,5×8 979,879	87,331 305,272	210.17
lam	Merchaodize Treasure	240,011	290,483	171,910 21,785	149,000	211,622	281,938	255,757 \$8,703	241,142 8,307	1,500	4,320	1,360	3,884	500	16,908	48,910	83,136	154,93
ochin Chins	e Merebandiso	93,781	\$6,367	\$4,833	194,120	85,424	50,476	2 278	40,120	216.716 6.089	54,513	74,044	74,852	63,155	94,530	90,671 3,000	71,889	195,68
	Treasure	3,982	139.039	200	13,572	5,929	767 201,149	140,912		137,541	197,827	191,040	105,923	155,230	151,198	247,905	108,443	190,65
amatra	Treasure		50,000	600			24.076	14,552	11,833	7,744	12,531 408,985	14,981 288,443	87.865 245.188	31,706 981,210	93.744 390,809	45,458	70,547	06,97 398,37
*East Coast Peninsula.	Nerchandise	••					261,911 34,717	\$70,919		12,175	11,540	4,325	4,160	1,570	13,426	3,075	28,699	50,29
West Coast	Merchaudise				- 11		84, 137	26,230	23,501	20,004	24,913	25,893	6,758	16,012	15,628	\$3,106 \$,760	21,628	11,80 8,87
Penincula.	Treasure						33,620	216,062	7,089	4,040	3,288	9,510	0,056	14,578	244,436	300,003	846.162	830.92
Celeber & orber	Merchandine	••			}		338,473	276,8%	250,218	163,218	\$11,098 8,010	217,375	169,845	25,368	8,604	17,330	22,404	19,56
Sestern Lelands,							7,999	12,395	8,700 176,579	4,500	160.2.14	6,398	216,328	283,216	231.767	\$53,315	210,150	241.31
Borneo	Merchandito						164.427	173,073	15 650	15,645	\$1,731	19,759	17.033	14,329	22,928	40.350	12,598	18,50
	Treasure	••				••	85,133	77,790		52,596	61,767	110,747	85,030	\$1,284	124,589	114,726	148,645	110,81
Bally	Tretaure						600	1.191	750		7.*78	3.079	4,617	13,789	4,406	1,790	1.60.5	8,02
feig, lebonds &	Merchandhe	1,109,287	1.510.541	1.202.601	1.413.923	1.540.757	100.531	354,354	181,502	82,533	84 275	62.857	160,007	\$6,297	114,181	93,894	38,497	101,40
other Places	Trenure	132.769	82.220		276.836	150,734	22.241	28,707	58,846	16,199	20,996	28,004	17,391	17,410	21,357	12,349	0,270	13,35
	Merchaudice	103.535	\$13,947		106.847	193,644	221,200		170,649	997,881	150,477	398,117	416,833	446,288	516,551	515,893	519,120	524,87
enang	Tressure	43,660	76,790		68.619	113.302	45,468		24,150	9,236	86,000	180,991	74,775	127,653	188,611	130,725	103,741	215,01
	Merchandise	138,317	100.510	141,255	166,243	101,721	963,994		181,582	170,349	218,541	183,513	151,595	119,667	104,138	145,900	138,073	138,84
(elacca	Treasure	36,500	21,025	89,300	41,031	65,570	26,146		10,856	16,405	25,144	83,660	008,16	49,200	78,847	N3,014	04,282	175,75
Totat Spanle	h dollars	4,606,162	3.871.791	3.357.668	6.595.978	6.389.068	8.573.175	8,069,835	8,677,601	7.435,427	7,557,190	9,488,107	7,411,264	6,960,500	7.806,865	7.070,536	7,603,998	9,374,4

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TRADE OF SINGAPORE.

743

Greek Transis Mechanistis So of (2,4,7,6) So of (2,4,7,7,6) So of (2,4,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,	COUNT	RIBS	182324	1824-23	1825-96	1820	189725	1828-20	1929-30	1830-31	1831-32	1832-33	183394	1834-33	1885-85	1835 37	1837-38	1858-89	1839-4		
Order Januari 1 Franzer 60.00 100.00 <t< th=""><th></th><th>Marshan dias</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>dollars</th></t<>		Marshan dias																	dollars		
Apering anomaly (Treating and provided anomaly (Treating and provided anomaly (Treating anomaly (Great Britain	Treasure		1,001,401		1,839,604 6 349	10 116	4 000	1 800	30	3 300	10 400	2, 000	13 .54	39 872	25 75	22 400	21 479	51 39-		
American Marchandler 7.600 47.7 7 9 13.69 37.88 6.79 600 7.80 38.103 81.07 36.003 7.80 7.90 10.10 10.10 10.10 7.90 7.90 7.90 81.00 11.00 7.90 <th7.90< th=""> 7.90<</th7.90<>	Foreign Europe	(Merchaudme)						41 098	15,569	75 301	81,303	B2 201			05 657	\$9,636	g 516		36 02 20 00		
Munching Marchandle 4500 5 ass 5 ass< 5 ass 5 ass	America	Merchanduse	7 600		.)		1.480	13 490	33,780		6 016			0.00				110	1.32		
Hears Hears April 1 Hears Appil 1 Hears		Merchanduse	4 500	\$ 228			74 086	20 439	28 534			5 734	520	160	1 166		2,420	8 832	17		
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Concurry Transme <	Madraa {	Treasure	20 000	40,300	116,349		197 005	2 699	212,900	48,738	141 045		7 000	525			4317	368 937	1 18		
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Jars Merchandle [107] 94 91 103 64 107 101 65 65 76 </td <td>Chier 5</td> <td>Merchandise</td> <td>786 55</td> <td></td> <td>I 680 7∡0</td> <td>690,579</td> <td></td> <td>2,05.,076</td> <td>2 820 622</td> <td>3,790 145</td> <td></td> <td>1 77 121</td> <td>1715210</td> <td></td> <td>5,4 646</td> <td></td> <td></td> <td></td> <td>85" 60</td>	Chier 5	Merchandise	786 55		I 680 7∡0	690,579		2,05.,076	2 820 622	3,790 145		1 77 121	1715210		5,4 646				85" 60		
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Annu Treaure 1337 100 90 1007 91.40 57.77 100.20 67.8	- uno	Treasure	121 704	1.0. 2.	100.000	AL	131.020	6 (7	4 415	3 457	778	35 643	12,330	12 850	7 933	6 BJB	13 132	2 979	13 34		
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Orgina Merchandise Frequencies 6 000 0 144 3 4 350 12,4 34 3 01 20 12 0 14 3 100 1 1300 4 130 Semanta Merchandise Frequencies 3 300 9 2321 5 000 1 0100 4 537 1 02,4 10 1 0100 6 130 1 0100 6 130 1 0100 <td>Cochin China {</td> <td>Treasure</td> <td>43 943</td> <td>101 778</td> <td></td> <td></td> <td>31 520</td> <td></td> <td>93 -49</td> <td></td> <td>1 6 1 0 2</td> <td></td> <td></td> <td></td> <td>63 810</td> <td></td> <td></td> <td></td> <td>155 84</td>	Cochin China {	Treasure	43 943	101 778			31 520		93 -49		1 6 1 0 2				63 810				155 84		
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2014 The Lance 1 Treating (1) (2014) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	4	"Acrchanduse"		. 1				414.4	17 628	17 860	6 117	18.40							20.54		
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Merchandiase, 120 516 117 760 402 017 100 2 0 82 54 13 955 123 940 110,030 124 861 130 158 133 100 116 314 15 11 172 89 172 846 177		freasure												40.39	46 11 4	ាមនា			549 4* 116 92		
	Malazan J							15 455											170 K		
Toras Span al Dollara (11) (10) (TOTAL Span	s Doutes	ī	(40 418,	n_65.40	010160	7 071 748	,310 47)	b'024 Jak	6.302.0.2	A 110 185) IGL (N 073 810	700 11	7 817	ાય મંગળ ગો	8 8, 9, 153	B 166,683	10,577		

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ORIEVIAI COMMERCE

	1829	80	189)—81	1891	-32	1833	53	1955	134
COUNTRIES.	Vesseis.	Tans.	Vessels.	Tons.	Vesaols.	Tons.	Vessels.	Tans.	Yessels.	Tone.
	number.	aumber.	number.	number.	number.	number.	number.	number.	number.	number
Great Britain	19	7,036		6.038		2,168	18	6,226	28	7,751
Continental Barope		1.470	1	860			2	651	2 2	1,661
America	3	649		664		260	2	678	9	615
ale of France	9	901		1,337					8	819
Bourbon									8	451
New South Wales	ï	424		3,655		652	9	3,000	35	5,835
Sape of Good Hope	i	231				175	1 i	205		
Cevlon.	2	263		285		138	5	869	4	639
Bombay and Malabar Coast.	`38	24,578		31.219		29.236	38	\$9,660	51	\$3,918
Hadras and Coast.	12	6,800		4,106		1,909	10	3,455	1 10	2,802
Calcutte	89	14,801		19.374		18,376	38	16,517	40	17,194
Shina.	45	\$1.148		34,199		27,998	47	10,160	67	24.713
ava	10	13,878		13,301		16,745	61	17.035	78	12.224
Manilla.	14	4.025		8,554		2,769	ี่ จิ่า	6,994	20	0.009
rabia	1 i .	150		1.023~				· ·	3	748
umdtra.	i 1	198		1,386		8.443	5	<i>8</i> 96	16	3.174
Bornco						1,198	8	\$97	12	1.781
lam	19	3,589		5,089		1.148	i i	613	5	1,6%
Bhie	ī	238	1	516		1,805	10	1,547	Ġ	735
Cochin China		800		575		1.385		067	9	270
Maulmein	1 '								ī	76
Bangoon						140			-	
Malacco	49	4,830		0.476		9,107	67	9,002	64	5.630
Penneg	43	6,913		6.158		7.884	51	9,573	46	6417
Dther Ports	28	6,287		1,961		394	1. 8	608	8	1,135
TOTAL	364	117.940	406	199.676	413	124,945	420	120,443	475	197,299

IMPORT TONNAOE.-Statement of the Number and Tonnage of Square-rigged Vessels which have Imported into Singapore, during the following Official Years.

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IMPORT TORNAGE.-Statement of the Number and Tonnage of Square-rigged Vessels which have Imported into Singapore-(continued).

CODNTRIES	1874		1880	36	1886		2833		1988	
COVMENTES	Vesacla.	Tons.	Vessela.	Tons.	Vessels.	Tons.	Vessels.	Tous.	Vessels.	Tons,
	number.	aumber.	number.	number.	number.	namber.	oumber.	number.	number.	number
Sweat Britein	16	6,310	19	3,596	10	5,251	16	4,726	83	10,895
Continental Europe	8	901	3	836	2	287	1	340	8	2,440
merica	3	894	2	709	4	1,084	8	2,100	4	1.541
ale of Prauce		598	{ 1	150	1	349	2	781	6	1.610
ourbou	1	120	1 1	280	4		1	238	1 1	ែ ខេច
lew Sonth Woles	9	9,739	6	1,657	4	1,190	8	9,717	30	19,839
ape of Good Hope		••			1	165	1	105	1	263
eylon		••	4	665	4	609	1	200	8	460
lombay and Maisbar Coast.	45	26,770	31	15,061	51	\$29,200	62	80,792	71	41.282
ladras and Coast	13	4,079	16	10,237	14	10,342	10	4,851	15	7,210
alentta	70	30,905	87	88,013	67	27,107	00	21,568	48	15,549
bina		29,351	88	40,362	111	48,971	60	80,503	73	32,860
478	69	19,013	78	16,677	74	13,548	79	12,987	65	13.045
faniila	29	5,658	97	6,879	16	1.415	18	6.955	21	7,418
		448		254	3	857	1	393	3	004
iumstra	15	2,652	14	3,417	17	2,746	14	8,304	1 17	3.526
loraco	17	3,013	18	2,484	10	1,833	18	2.028	1 16	8.431
ham	6	1,984	9	3,050	8	9,541	14	3.563	29	6,301
thio	10	2,409	8	804	7	1,119	13	771	8	467
locion China	5	1,063	4	097	4	1,150	8	1.125	4	1.445
Joulmein	1 1	203	3	800	1 1	150	1 2	409	9	455
tongong	ь	1:031					1 1	100		1
alacca	64	6,535	63	5,819	87	3,864	85	6,692	38	2.204
enang	67	7,703	57	10,157	75	12,054	93	14.018	80	11,895
Othur Perts	19	2,410	17	2,410	18	1,515	7	587	0	1,206
TOT \$2	517	155.513	639	106.033	541	170,635	520	150,532	574	178,790

COUNTRIES	· 182D		1830	-81	1831	-82	1832	83	1833	
000 N 1 N 1 B 5.	Vessels,	Tons.	Vess-is.	Tons.	Vesaris.	Tons.	Vessels.	Топя.	Vessels.	Tons.
	number.	number.	number.	aumber.	number.	number.	number.	aumber.	aumber.	number
Great Britain	19	5,627		8,681	· . ·	8.60S	30	9,800	26	8.023
Continental Europe	5	1.246		1.102			1 3	551		3,150
America	2	530					-		-	
Isle of France) 8	695		337	1	1 [.]	1 1	981	1	200
Bourbon							·		. i	238
New South Wales		918					1 3	559		101
Cape of Good Hope				175			łī	931	-	
Cevion.	3	680		liiö			i i	110	2	862
Bombay and Malabar Const.	29	15,183		16,729		10,505	29	12.257	26	14.019
Madras and Coast		2,907		8,442		1,398	17	2,150	14	4.021
Calcutta,	36	10.379		14,955		8.091	23	8,448	83	9,734
China	6	46.374		32.350		47,105	1 73	43,760	101	16.043
Java.	55	13,300		11.481		10.026		10.085	74	14,860
Manilla	เป็	\$,788		1,998		1,483	10	1.740	្រះ	2,379
Arabia		3,100		043	1		1 1	309		
Arabia	1 3	360			۱	2.071	12		8	1,248
Sumatra		350						1,495	30	3,065
Borneo	1 12	1		23.44		1,057	2	874	н	1.567
Siam	12	8,940	1	2,614		2,099	•	960	8	2,573
Rhio	9	1,202		2,680		9,786	ા	5,706	9	957
Cochin-China.	8	163		1,150		800	4	1,200	· 6	1,145
Moolmeia			1 S.	1 4		1	9	290	4	569
Rangoon		1		1			1	450		
Maiacca	42	4,209	i	4,829		11,936	103	14.426	34	3,507
Penang	48	5,783		6,390		3,360	18	3,561	68	8.018
Other Ports	P .	1,704		8,138	1	522	8	1,023	10	1,461
TOTAL	367	117,900	410	131,635	419	113,529	429	119,825	474	136,349

EXFORT TONNAGE.-Statement of the Number and Tonnage of Square-rigged Vessels which have Exported from Singapore during the following Official Years.

EXPORT TONNAGE-(continued).

COUNTRIES.	1834	35	1885	-36	1836	87	1837	~-38	183	8 39
COUNTRIES.	Venne]s.	Tons.	Vessela.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vewels.	Tons.
	number.	aumber.	number.	number	number.	number			number.	
Great Britain	31	9,431	25	7,210	29	6,365	24	6,791	34	10,394
Continental Europe	6	1,525	7	1,794	1	395	4	1,044	•	1,205
America	[1'	450	7	2,147	13	4,450	14	1,094	2	683
laie of France		1	2	\$06	1		i •	1,160	8	2,269
Bourboo	(1 I	120	1 1	214	1 1	342			128	61,613
Now South Wales	8	357	2	894	9	497	1 1	194		
Cape of Good Hope			1	248	1				17	2,909
Cevion	1 2	510	2	147		769			32	2,243
Bombay and Malabar Coast.	28	16.319	34	19,701	38	19,053	32	18.289		867
Medres and Coast	a .	9.513	: 10	5,771	. 8	3,998	7	1,981	35	20,943
Calcutta	54	19,108	58	17,631	61	22,801	49	18,955	14	3,300
China	127	61,702	134	66,023	132	67.646	105	53,943	24	8,427
ava	73	17.025	52	\$1.082	74	12,833		10.282	23	5,101
Mantlia	34	2,757	13	1.834	[ii	3.086	15	3.481	48	10,149
Arabia	a	904	5	1,378	1 1	150	4	1.190	2	930
Sumstra	17	3,439	12	2,759	18	9,289	15	3,430	6	1,166
Boraco,	15	8,214	17	2,053	8	1.487	10	1.569	16	8,797
Siam	6	1.653	6	7,842	1 11	3.334	141	3,720	2	750
Rhio	16	3,219	121	2,009	5	533	19	2.814	23	5,935
Cochin China	(1 ⁻	230	6	1.686		1.400		740	1	1,277
Moulmein	3	510	Ť	9.914	4	1,210		215	- 1	
Raugoon							1	100		73
Malacen	23	8.945	32	5.390	\$3	3.680	33	2,585	- 93	12,364
Penang	62	7.018	54	8,366	76	10.200	111	19,304	52	11.439
Other Ports	. 6	1,830	u ii	2,693	9	2,259	8	475		2,315
TOTAL	515	155.471	633	105,417	637	166.309	514	149.565	576	137.788

GOUNTRIES.	1629		1680	31	1831-		1838	-33	1638	-34
COUNTRIES.	Vessels.	Tons.	Vessels.	Tons.	Voszels.	Tons.	Veşrels.	Tons.	Vessels.	Tont.
	number.	nombor	number	number	number.	number	oumber.	number.	number.	number.
Chius	11	2.538	24	4.432	24	2,454	7	1,247	27	4,642
Cochin China and Campola.	49	4.467	1 15	1.442	36	3,015	17	998	49	3,010
JA79	69	3.026	1 77	4,465	46	9,167	48	2,347	72	2,986
Sumatra	976	8.121	292	2.951	356	2,613	518	8,631	514	3,744
Rhio	316	4,105	268	8,097	261	8,458	251	3,189	851	3,613
Bast Const Peniusula	114	2,321	352	2,733	128	2,740	148	8,097	72	1,080
West Coast Peninsula	205	1.908	218	1.117	69	025	55	474	46	343
Siam	81	8,953	38	6.5%8	34	4,935	37	4,397	94	8,799
Borneo.,	176	3,878	161	3,640	132	2,961	96	2,201	138	5,096
Colobes	01	1.549	68	1,009	84	247	91	1,812	55	1,545
Bally	36	790	1 <u>6</u> 0	1.556	40	857	46	964	60	1,566
Neighbouring Islands	974	1,686	1 810	3,151	1 170	1.1.631	385	1,623	920	2,075
Malacca.	99	\$,206	37	2,448	92	2,771	79	2.776	60	2,008
Penpog	25	1,230	18	1,578	25	1,189	3	47.5	6	420
TOTAL	1765	37,921	1743	82.372	1748	38,887	1566	1 28,714	1 1399	34,927

STATEMENT of the Number and Tonnage of Nativo Vessels (Prabus and Junks) which have Imported at Singapore during the following Official Years.

STATEMENT of the Number and Tonnage of Native Vessels, &c.-(continued).

COUNTRIES.	1834	I85	1835	36	183	9—87	183	7 88	1838	-39
COUNTRIBA.	Yessels.	Tops.	Vessola.	Tons.	Vessels.	Tons.	Vessels	Tens.	Vessels,	Tong.
	oumber.		aumber.	number.	number.	number.	number.	aumber.	number.	number
China	21	3,719	17	3,061	21	5,084	86	6,990	54	8.618
Cochin China & Camboja	37	9,487	33	2,620	16	1,608	49	3,113	70	4,469
ava	1 49	2,628	56	3,436	52	3,968	74	4,714	55	3,638
Sumaira	827	5,129	389	3,083	860	3,655	409	8,296	496	4,836
Rhio	275	4,107	264	3,762	321	4,288	852	8,369	\$75	4,110
Bast Coast Peninsula	71	1,591	70	1,400	80	1,505	90	1,558	199	3.148
Vest Coast Pentosula	40	808	- 59	452	169	838	165	708	127	589
iam	30	5,801	23	4,004	83	6,322	28	5,854	23	6,219
Sornae	123	3,427	193	0,668	184	4,239	101	3,102	107	3,394
elebes	68	1,745	87	2,496	83	2,569	102	2,885	129	3,305
Batly	27	1,032	73	1,605	75	1,860	95	2,584	46	L318
Veigbbouring Islands	150	1.600	160	1.645	231	1,697	251	2,395	940	2,596
alacca	1 70	2.465	63	9,351	92	3,494	230	8.375	839	4,030
anang	8	455	6	437	6	355	4	161	7	280
Toris	1484	37,521	1444	20,348	11.084	\$9,382	1.680	44,378	8090	48.514

STATEMENT of the Number and Tonnage of Native Vessels (Prahus and Junks) whichhave Exported at Singapore during the following Official Years.

COUNTRIES.	1829		1830	0 81	1833	-32	1839	~ 53	183	384.
	Vossels.	Tons.	Vessels.	Tons.	Venals.	Tons,	Vossela,	Tons.	Vetuels.	Tone.
	number.	number.	number.	number.	sumber.	number.	number.	number.	number.	npoher
Ching	12	3,300	93	3,748	22	4,102	13	2.675	9	1.447
Cochin China and Camboja	50	0,114	18	1,795	23	3,906	25	9,397	97	1.966
ava	10	655	78	4,375	3.8	568	5	407	- 44	9,120
Sumatra	262	9,323	240	2,708	808	9,538	470	3.432	397	3,309
thio	894	5,341	235	3,134	306	4,701	302	4.538	204	3,863
East Coast Peninsula	- 99	1,638	121	9,201	113	6,505	i 111	2,057	76	1.963
Vest Coast Peninsula	169	1,122	199	971	79	317	50	487	3G	250
iam	44	6,122	80	4.634	20	4.213	37	8,590	Ĩž	8.357
3oraee	129	2,255	197	2,979	130	3,368	73	1,704	146	3,231
Selebes	81	1,918	70	1,790	56	1.402	87	1.985	169	9.041
sally	36	661	65	1,774	41	1.080	87	1.115	73	2,943
veighbouring [elands	232	1,755	244	1 885	149	1,493	187	2.015	214	2.055
dalacca	96	2,532	82	2,501	101	2,890	62	2,181	68	8,003
opung	87	1,804	18	1,098	17	3,651	3	725	6	447
TOTAL	1670	34.030	1570	35,596	1398	84.620	1495	30,178	1480	23,677

•

5 C

	1934	55	1433	-36	1636		1837	-38	1 28	39
COUNTRIES	Vesiela	Tens	i casela	Tons	Vesse's	Tons	Vessels	Tons	Vessels	Tons
	number		number				number		aumber	uar her
China	1 19	3,50	18	3,234	17	79	, 27	509	,	3 5
Cochin China and Cambria	30	3,64	16	1 166	21	20%	30	1 959	46	5~
lara	29	2,435	26	1 + 27	- \$I	1.1.14	31	3 123	19	2,021
Sumatra	1 403	3 - 36	28	2 541	. 33	3439	400	3,16	1 4 4	4 5 100
Phio	1 960	4 (**7	89	4 +76	, 3.0	5 143	491	40.1	34)	4 2
East Coast Peninsula	38	1 026	4.8	1 1 1 7 1	N.	1 01 7	1 13	240	12	2.0
West Coast Penmania	26	350	. 55	34	312	12.9	215	GA .	13	- 77
i am	24	4 042	31	53.7	1 31	5 199	31	5.94-	17	3 92
Bornee	109	3.31	160	182	105	3 1 49	23	3 314	98	3 198
eleber	79	2,395	143	3.019	+7	2 8	134	1 47	119	3 819
Sativ	18	340	63	1 391	21	1 39	95	2.379	50	1 5
eighbouring Linnds	221	2 8 95	177	1 494	393	2 +49	315	213	301	2 188
lalacca	87	1 2 835	03	2014	139	2.101	263	3,606	395	3 3
Proan	39	573	9	662	1 12	326	5	57	12	3 2
TOTAL	1418	33.658	1399	34 932	2015	38,135	2094	42.361	\$136	41 436

STATEMENT of the Number and Tonnage of Vessels, &c -(continued)

THE following is a Summary of the Shipping Trade, for a Series of Years NATIVE VESSELS

YEARS	ENT	ERED	CLE	ARED
	Tessola	tonnage	venets	tonpage
830	1,05	3 022	1 15 2	31033
831	1 1 43	313 4	1 15.0	31 46
832	143	3 4.50	13.98	34 025
\$33	1566	28 14	1493	301 8
834	1 1099	34 997	1450	2957
835	1144	3 121	1 1118	35.468
836	1444	36,346	13/9	34 3
837	1.84 [39 332	2115	38 100
538	1690	41,378	2094	42.361
639	1 2030	49 \[4	2136	41 130
842	\$490	64 203	514	39,4

SQUARE-RIGGED VESSELS

YEARS	BNT	ERED	CLE	ARED
	veser la	topoage	Vestels	tonuage
30	364	11,946	317	117 909
31	405	1241-6	410	131 33
32	413	124 -45	419	113 29
43	420	120413	4.19	11 12
Ж	475	13 109	474	135 347
35	517	156.513	5:1	135 6 8
136	539	1 053	133	15.07
37	ĂĬ	1 35	57	1 309
39	520	150 3	51 4	1 3
199 199	574	178 /	5 0	13.77
42	870	84.35	814	20317

	BY SQUABE-RIGGED VESSELS.			BY NATIVE CRAPP.	
NONTHS.	Imports, Raports.		· MONTHS.	Imports.	Experts.
	Sunnish dellars.	Snauish dollars.		Spanish dollars.	Spanish dollars
437	811,809	722.713	May	823,494	552,398
B.B.C	777,938	614,213	June	647,357	- 724.916
aly	1474,799	808,325	July	150,483	153,862
agast	712,319	679.271	August	116,299	114,078
eptember	674,164	548,418	September	107,579	109,626
october		737.280	October	149,402	140,193
orember	709,513	748,037	November.	160.158	103.671
lecember	930 780	857,697	December	64,562	\$2,2,5
ADUSTY		337,467	January	41.610	44,785
chruary		656,605	Pebruary	122,040	200,913
fareb	1,201,779	855,467	March	89 332	111,916
prit	995,779	+ 926.625	April	129,266	133,773
	10,501,447	6,531,607		2,631,411	\$,935,688
i			TOTAL	13,152,689	11,467,355

VALUE of the Imports and Exports in the Year 1842-43.

VALUE OF	BXPC	BTS.		VALUE OF	1 M P C	B T 5.	
COUNTRIES.	1840-41	1841-42	1849-43	COUNTRIES.	1810-41	1841-42	1843-43
			Sp. dirs.				Sp. dirs.
Great Britain	3,212,937	1,730,140	1,41-5,400	Great Britain	2,054,959		
Foreign Europe	115,545		236,317	Foreign Burope		243,971	
Coited States	90,003	43,606	69,242	United States.	28,594	56,774	75,782
Mouritues and New South				Mauritims and New South		-	
Wales	395,539		275,608	Wales	60,193	32,903	\$5,961
Calcutta	1 074,018	1,260,211	1,565.32)	Calentia	2,801,367	3,445,145	
Mudrae and Coast	169,861	19.1.8 12	153,009	Matras and Coast	219,524	348,991	
Bombey	C20,805	763,944	520,267	Bombay		B47,113	410,476
Arabia	99,769	\$5.076	117,067	Arabia	16,613	31,219	
Manilla	257,587	137,247	107,315	Manilla	351.779	212,542	\$23,981
Ceviso	540	3,239	6.496	Ceylon) 4,000	3,583	1 85
Chipa	2,802,872		3,827,502	China.	2,142,504		
Jata		422,477	451,056	Java	1,143,139		
Rhis		200, 93	144,564	Ruto	180,050		
Biam	\$90,920	409,106	367,492	Sunto		412,003	
Cochin China	292,696	248,924	227,848	Cochin China	\$43,521		
Sumatra	211,600	258,156	198,932	Sumatra	341,356	\$46,369	
East Coast Peninsula	347,426	391, 444	454,462	East Coast Peninsols	353,155	452,567	
West ditto	\$1,990	11,914	1,034	West ditta	16,131	11,123	2,150
Celebra and other Eastern				Colebes and other Eastern			1
Lotands	399,117		123,019	Islands	848,021	877,552	
Baraco	261,187		296.637	Borneo	253,919	251,909	261,184
Bally	208,073	213,078	189,333	Bally	162,760	163.503	163,393
Neighbouring Islands and				Neighbouring Islands and			
other places	197,034	85,141	161,449	other places	141,338	123,517	169,771
	10,897,997	10,545,542	10,783,334		13,247,127	13,091,590	
Reports to Penang	600,020			Imports from Penang	659,661		497,703
" to Malacen	270,163		125,084	. from Moisoca	\$56,134	••	219,984
Total	11,906,392		11,386,138	TOTAL	14,161,079		13,158,668

"Singapore derives its importance solely from being an estroyof for the commerce between Eastern and Western Asia, and also between the latter and Europe. For this its admirably situated by its geographical position, being in the direct track of vessels going betwizt the Indian and Chinese Seas, and in the immediate vicinity of the Malay Peoinsula, and the richest of the Indian Islands. There is scarcely a port whose trade is so diversified as that of Singapore. The chief Asiatic productions to be found in its market are gold-dust, peopre, Banca this, betcl-mut, eithe bride nests, ordier, are wilk, sugar, tortoise-shell, bêche de-mer, * cassia, sago, chony, gambier or catechu, gunnes, † ratians and a multitude of other articles, the produce of the Eastern Islands Siam Annam, and the Philippines, which are re exported principally to England, Chiona, and India 10 exchange for British cottons, woollens, iron, hardware, fire-arms, Chinese articles, Indian piece goods, opum, &c

"There are a great number of sago manufactories on the island, which afford employment to several hundred Chinese manufactures The sago is imported in its rough state from Borneo The total quantities exported from the island were, in

1838		1839
Sago Flour	20 404 piculs	28 590 piculs
Sago Pearl	62,924	56 036

"18,103 piculs of pearl sago and 28,030 piculs of flour sago were exported to England in 1840-41, 774 piculs of pearl and 200 of flour to foreign Europe, 242 of pearl to the United States, 320 to Mauritus and Australia, 1765 to Calcuita 356 to Matrins, 639 to Bombay 233 to Manilla and 744 to China

" The extent of the commerce with different countries will be seen by a reference to the following return of the comparative statement of the trade of Singapore, imports and exports, during the past five years

""The Official Report of the Trade of Singapore for the official year 1842 43, is compiled with great care from the vonchers furnished by the merchants and traders, but its believed that the actual amount of busness transacted exceeds considerably what is shown by these tables. There is an apparent decrease in the trade, attributed to the dimminhed importation of two attucles, viz, optum and cottom—the general trade has not dimminhed, and with China, where the greatest fears were entertained of a failing off, there is a decided improvement on the whole. This report is condensed as follows in the Singaport Free Frees

"The value of imports into Singapore for the official year ending the 30th of April, 3633 (exclusive of the intermediate trade with Penang and Mulacca), aggregated 1,243,321 dollars, exhibiting a decrease compared with the preceding year of 659,269 dollars This decrease is attributable to a falling off in the trade with the ports of Calcuta, Bombay, Stam, and Celebes

"The exports from Singapore for the same period amounted in value to 10,783,324 dollars, showing an increase over last year of 237,812 dollars

"The whole imports and exports for the period under notice were, 23,218,575 dollars, and the intermediate trade with Peazag and Malacca, during the same period, netted 1,401,068 dollars, making the entire value of the trade, 5,535,5654 sterling. This amount is exclusive of the value of goods transhipped in the harbour, which, from the official statements, appears to have been considerable

"The yearly-increasing extent of the commercial intercourse with Great Brian, both as regards value and extent, is calculated to afford much gratification. In cottou goods, which forms the most considerable article of import from Great Britan, a considerable increase was reported last year, which has continued during this, and the like is the case with the general trade, and especially in the staple article of cotton twat

"The imports from Great Britain in the official year 1842 43, amounted to 2,847,577 dollars, exhibiting an increase over the previous year of 166,203 dollars The principal

• Bache-de-mer called also tripang or sea cucumber, is a very peculiar kind of seco-ling (Holdharon) which after beingguited presed dired in the sun and smoked, is regarded by the Chimese as a luxury much in the same way in which we regard cause It is carried to Chima from almost every island of the Lastern Archipelago from Australia and of late from Mauritus and Caylon. The value varies according to the quality, from ax up to fibly dollars per picul, and the natives alone, for the most part are judges of its worth. The principal importation nico Chima so for New Holland, where it abounds, might probably be entered into with advantage by Luropeans.

+ A strong coarse fabric used in matting bags or sacks

articles imported consisted of cotton twist 7726 picula* valued at 337,023 dollars, cotton and woollen good, 404,901 picces, 12 478 corges † 52,218 dozens--ong ella, 5280 pieces striped lists 1858 pieces camlets, 2055 pieces-caps, blankets, &c, altogether of the estimated value of 1,622,627 dollars, iron, steel, and other metals, 121,647 dollars iron gunz, musket; foolung-pieces, and other metals, 040 dollars, finit stones, 18,724 piculs, and gunpowder, 2777 piculs, together with various other articles

The exports to Great Britain during the same penod, amounted in value to 1405400 dollars, exhibiting a decrease, compared with the preceding year, of 324,740 dollars. In the articles of gambier tea and tin, there is noticeable a considerable increase. The puncipal articles exported during this period were, gambier 125,033 piculs sago, pearl, and flour, 22471 piculs, early 13,753 piculs tea, 17,017 piculs, and antimongy ore, 8286 piculs.

The neit imports and exports between the two places aggregated 4,252,977 dollars, bung nearly one sixth of the entire trade of the port During the same period, 114 British registered vessels, amounting to 37,010 tons, arrived from and departed for Great British neight a considerable increase over the previous year

"The magnitude and importance of the commercial intercourse with the Mother Country is sufficiently obvious from the praceding statements, and as there can be no doubt that it is in a great measure owing to the entire freedout from restrictions of any kind on commerce which prevails at Singapore, it is to be hoped that no such measures may ever be imposed to check or arrest the progressive advancement of this settlement

CONTINENTAL EUROPE --The trade with Continental Europe has, as was anticipated last year increased for, while the imposite the asyounded to 243,971 dollars, they have risen in the official year 1842 43, to 363 002 dollars During this latter period, the principal imposits were series, valued at 15,872 dollars beer, wines, and spirits, 35,737 dollars cotton and woollen manufactures, 45,766 dollars glass ware, 24,882 dollars, methis, 40 762 dollars, and specie equivalent to 40 330 dollars. There appears substantial grownd to believe that the English merch and annofacturer will have to encounter powerful and successful competition from Belgium, as it appears that the woolleus from Har Loudy are generally of equil, if not superior texture, to those usually sent out from England, and more reasonable in price, owing no doubt, to the greater cheapness of the cost of production. This Belgiam manufacturer will find in China an ample field for the disposition of the solution of the data the superior textures that the woolleus from England, and more reasonable in price, owing no doubt, to the greater cheapness of the cost of production. This Belgiam manufacturer will find in China an ample field for the disposition of his goods as soon as the trade of that vast empire shall be fully thrown open to the enterprise and capital of the commercialiss of Europe

The exports from Sungapore to Continental Europe also exhibit an increase over the preceding year of 139,180 dollars. The articles exported, consisted of, cassin, 2522 puells sugar 0357 precise pepper, 11,809 precise tea, 2680 precise, tru, 3855 precise and other minor articles. During this period, twenty eight vessels of the burden of 9073 tons arrived from and departed for, foreign Europe, principally under the French, Belynn H abourg, Bromen, and Danish flags.

¹ Uvrreo States or Assence — The iride with the United States has improved during the official year 18/2 43, but it is still very uncoastderable, the whole imports being limited to 75 782 dollars, and the exports 80,942 dollars. The two principal articles of import were cotton goods, innounting to 13,070 pieces, valued at 34,358 dollars and levd, 2088 piculs, 15,972 dollars — The exports consisted of sago, spices, ten, tin &c.

MAURITUS, ALSTRALIA, AND CAPE OF GOOD HOPE — The value of the imports from these places is, a might be expected, serv insignificant, amounting to only 25,960 dillies, the more tim orbanic article being provisions. The exports are more considerable incluing 975 (0) doll vis, showing an increase over the preceding year of 83.518 dollars. The Lin farticle since coffee '962 piculas' nee, 3964 piculas, sugar 31,174 piculas tep 119 bins, and 2623 piculas.

It uppears that during this year, several vessels have gone from Singapore to the

Pt at a common Chinese weight of 100 cattles or 1600 taels, equal to 1934 lbs avoirdupois \pm λ score

Jele of France with Chinese coolies These men exhibited no reluctance, but the reverse, to proceed to that colony They usually enter into a written engagement, by the terms of which they bind themselves to serve for two years, receiving hive current dollars a month of wages, with a daily allowance of two pounds of rice, a quarter of a pound of sail-beef, pork, or fish, and two jackets and drawers and blanket variy They are likewise provided with medicines and medical attendance at the expense of their employers

⁴⁴ CALCUTTA — The commerce with Calcutta is of great importance and extent, and of the most valicable description The unports for the year anding April, 1843, amounted to 2,927,305 dollars, showing a decrease, as compared with 1841 42, of 519 240 doll lars. This is mainly attributable to the diminished import of the article optim. Of this drug, 7890 chosts were imported during 1841-42, whereas, in the succeeding year, the number reported at the Registry Office, was only 4558 chests. This decrease his, no doub, aisen from a greater quantity than formerly having been sent direct flom India to China since the passe—no doubt under the expectation of finding in Hong kong a mearer and more convenient dept than Singapore. The most important articles of import were, cotion, 4337 bales, ree, 6871 bags, whiet, 7208 bags, guantes, 475 050 optim, 4558 chests. The exports amounted to 1,565,329 dollars, exhibiting an increase of 285,118 dollars over 1841-42. The most prominent articles of export were, golddost, aisses, 140 barks, and 2089 profiles, 2849 bollars, pepper, 16,067 profiles, ter, three packages, 140 barks, and 2089 profiles, 2841 period

"The fact of so large a portion of the returns being made in the precious metals, shows that the trade is highly advantageous to Calcutta, and that even were Continential India required to-defray a share of the expense of the government at Singapore, the Indian revenue would be more than remunerated by the great vent which is alforded by this port to the products of Continential India, especially of the article poura

"MADRAS AND COAST OF CORDMANDER.—The traffic with the corst is on the decline, and his been so for several years past, there appears little likelihod of its experiencing any material improvement, since the former extensive and lucrative trade in Madras piece goods, which were the principal imports from the coast, has been nearly destroyed by the British article, which has been making such rapid progress both in the straits and India as to be gradually driving the Indian manufacture from the field. The imports for the year 1842 43 amounted to 215 154 dollars, schubeing a decline as compared with the previous year of 133,757 dollars. The two principal items were cotton, 4942 bales, and cotton piece goods 16,841 corges. The exports do not show an encouraging aspect. In 1841 42 there were 189,6562 dollars, while last year they only attained to 152 069 dollars. The most important export was specie to the extent of 76,212 dollars.

"BOMBAY -A very serious decline is apparent in the imports from Bombay, as will be seen from the comparison of the two last official years -in

> 1841-42 they amounted to 817,115 dollars 1842 43 410,876 ,,

"This decrease is chiefly from the diminished importation of two articles, viz oution and Maiwa opium, the former baying declined from 11,298 to 9363 bales, and the latter from 1398 to 893 chests

"The exports for the year 1842-43 were 520,667 dollars, showing a decrease from the prevous year of 183,061 dollars This decline appears to have arisen chiefly on the articles of augar and spices. Of the former only one-half of the quantity exported in 1841.42 was sent last year—this is to be attributed to sugar being now sent direct from Sam to Bombay, instad of being landed at Singapore as formerly. The principal exports during the past official year were, alum, 2925 picula beingamin, 1021 picula camphor, 454 piculs, gambarer, 3218 piculs, gold durk, 626 bunkais, valued at 25,251 dollars, raw silk, 270 piculs avgar, 41,783 picula eigns, 2131 boxes, tea, 717 piculs, in, 2200 piculs, and spicce equivalent to 56,884 dollars

* Bunkal, a weight of two dollars, or 832 troy grains

^a ARABYA.— The whole imports and exports in 1842-48 aggregated 145,143 dollars, showing an increase over the previous year of 38,148 dollars. The commerce is solely carried on by vessels which annually proceed to Arabia with Mahomedan pilgrims, who congregate here from Java and the surrounding Malavan States.

¹⁴ MANILLA.—It is gratifying to observe smi improvement in the commerce with Manila compared with the previous year. During the past official year the gross imports were valued at 323,933 dollars, being an increase of 111,090 dollars. The most important articles of inport consisted of hemp and rope, 2014 picels rigars, 20,770,100; sugar 5540 picels, tes, 568 picels, and sapana-wood, 19,306 piculs; it would also appear 5300 pieces of British pices goods were imported, probably on account of their being unsuitable for the Manila market. The exports have decreased 9932 dollars, as in the year 1841-42 they amounted to 187,247 dollars, and in the past official year they were 127,313 dollars. The chief articles were opium, 49 chests; iron, 3762 pieuls; and British cotton goods, 88 dozen, 60 corges, and 4189 pieces.

"CETLOW.-The trade between Singapore and Ceylon is nearly extinct, the only item of import being 170 picels of ebony, valued at 85 dollars. The exports amounted to 6,498 dollars, consisting of numerons small articles.

"RARGON AND MOTATER. - The increase in the imports last year amounted to 19, 401 dollars, which, considering the whole extend of trade, is a satisfuctory. In 1841-42 the imports amounted to 27,414 dollars and in 1842-43 to 46,841 dollars. They consisted of gram 1916 bags; paddy, 2800 piculs; wheat, 3000 bags; rice, 3950 piculs; imber valued at 22,864 dollars. The exports have declined from 20,445 dollars to 15,034 dollars. They principally consisted of opium 104 chests; muskets, 640, and specie = 2227 dollars.

" CHINA .- The trade between this port and China, it is gratifying to find, continues improving, the imports amounted to 1,990,810 dollars, being an excess of 43,506 dollars over the previous year, tending to show that the failing off in that year arose from temporary causes, and not from any permanent decline in the trade. There is a considerable increase in the articles of tea, cassia, camphor, crockery, tobacco, bullion, and coppercash; on the other hand, there has been a falling off in raw silk from 1095 picula to 253. The principal imports were cotton and silk goods, 3467 pieces and 16 cases; nankins, 74,950 pieces ; cassia, 11,696 piculs ; camphor, 2185 piculs ; crockery valued at 168,259 dollars; raw silk, 253 piculs; sugar, 5,889 piculs; tea, 74,205 boxes, and 6335 piculs valued at 675,964 dollars; tobacco, 2740 baskets; specie and bullion equivalent to 418,195 dollars. It may be noticed that a large portion of the tea imported was of a very inferior quality, and caused most serious, and in many cases, ruinous losses to the shippers, principally Chinese merchants. This particular branch of the junk trade may be expected to decline rather than augment. The exports to China amounted to 3,627,802 dollars being double those to any other country or state, not even excepting Great Britain. They exceed those of the previous year by 569,600 dollars. The principal exports were, betel-nut, 20,291 piculs ; beche de mer, 5070 picule ; birds' nests, white and black, 343 picula ; cotton, 27, 192 bales and 50 picula ; cotton twist, 1799 picula ; cotton piece goods, 88,288 pieces, 505 yards, 36 corges, 100 dozens; iron, 10, 814 piculs; opium, 3436 chests; rattans, 34,520 picals; sea-weed, 5377 piculs; pepper, 18,602 piculs; tin, 2986 picule ; woollens to the value of 121,515 dollars ; specie, equivalent to 22,542 dollars. During the official year 1842-48, 181 junks equal to 22,542 tons arrived from different ports on the coast of China with cargoes and emigrants ; showing an increase over the previous year of 31 junks and 4142 tons. "Java.-The imports of the official year 1842-43 exceed those of the preceding

⁴⁴ Java.—The imports of the official year 1842-43 exceed those of the preceding year by 209,450 dollars, the gross amount being 1,108,273 dollars. The imports in the most important items were, birds' nests, 472 piculs; benjamin 1181 piculs; confect 5004 piculs; contex, 194,817 piculs; corper, 573 piculs; mace, 722 piculs; notnegs, 1352 piculs; clores, 150 piculs; piculs; conper, 573 piculs; mace, 722 piculs; notnegs, 1352 piculs; clores, 150 piculs; piculs; and 12 piculs; woolies avuela at 40,411 dollars; sugar; 17,548 piculs; tio, 4188 piculs; bacaco, 712 corges; and 120 piculs; woolies avuela at 45,420 dollars; and apacie equivalent to 186,527 dollars. The exports aggregated 451,056 dollars, and surice antry contor goods

9173 corges, and Chma cotton goods 152 corges. China crockery valued at 52,440dollars opum, 66 chesis, raw sik, 55 pcuts i.e., 10,258 boxes, and 443 pcuts China paper valued at 22,520 dollars, and specie equal to 15 969 dollars The small quantity of grain produced at Singapore, hardly equal to the communication of the population for one week, rendes it exceedingly desirable to have the means at hand of obtaining a large and constant supply—this Java furnishes, and this alone renders the trade with that island of considerable importance and interest if the returns for 1842 43 are at all correct, 194,817 piculs were imported during that yeir, equal to furnish a supply for 35,583 adults The whole population of Singapore is supposed to be about 50,000

¹¹⁴ Buro — The imports were 145 767 dollars showing a triling decrease of 153 dollars, contrasted with the previous year. The chief imports were, gambier, 36 668 piculs, pepper, 2910 piculs, and rice, 4660 piculs. Rhio is the only place from whence gambier is imported into Singapore, so that there would be little difficulty in ascertaining the quarkity produced in the island during the past seven versa. The quantity now grows and manufactured is certainly not less than 70,000 piculs. In 1841 42, 93,342 piculs were exported, and 18,644 piculs were imported, leaving 74 605 piculs to be accounted for In the past official year 148,746 piculs were exported, and 38,695 piculs user imported, showing a difference of 110,451 piculs. It is, however, very probable that a quantity was in hand, or in progress of shipment, when the official returns were made up. The exports have declined considerably, having failen from 200,103 dollars in 1841-42, is and salt. Rho may be considered as a free port, as there are neither imports or export duties strictly so called

"SIAM —A considerable decrease in the imports from Siam amounting to 151,858 dollars, has been experienced They amounted during the period under review, to 260,115 dollars This diminuition is attributed to a falling off in the importations of oil, rice, and sugar

ARTICLES	1841	-42	1843-43		
ARTICLES	Quantity	Value	Quentity	Yalue	
Oil Rice	picals 2,166 17 999	rupees 14 700 24 72	piculs 1 370 5 530	dellers 7 /45 11 550	
Sugar	54 848	294 265	25 443	125 335	

"It is probable that the falling off in the import of sugar arose from its being seat direct to Bombay, as before mentioned Besides the three articles above noticed the other imports were, hardware, valued at 13,413 dollars, saft, 51 520 peuls stickka 2397 piculs, ica, 1229 boxes, 132 piculs, &c. The exports amounted to 557,492 dollars, being a decline to the stetut of 51 614 dollars from the previous year. The exports consisted, among other things of cotton twist, 581 piculs, British cotton goods 500 corges, 61,466 picces, and 200 dozens, cotton goods country, 680 corges China ditto, 4044 pieces, non and steel, 2642 piculs, and 259 kegs, raw silk, 414 piculs, specie and bullon equal to 89,835 dollars

"County Curity — There appears to be an improvement in the imports from this country, there being an excess over the previous year to the extent of 46,301 dollars. They consisted thirdly of raw silk, 140 pixels, rice, 12,010 pixels sugar 27,340 pixels and salt, 15,120 pixels — The exports, on the other hand, exhibit a decrease of 20,475 dollars — The gross exports during this period were, 227,848 dollars, consisting chiefly of cotton, 1084 hales and 985 pixels. Bruth cotton goods 3788 hierees opium 263 chests, and woollens to the value of 25,378 dollars — During the same time, eight two boats, equals to 4195 tons.

" It was noticed in last year's report, how extremely liable the Cochin Chinese boats

were to be plundered, and their crews mundered or made slaves of by Maiay and Chinese pirates, in consequence of their being entirely defenceless. During the past year many instances have occurred which too well justify the statement. It is hoped that the measures which government are contemplating will have the effect, during the approaching season, of materially diminishing, if not altogethet checking the will, at least in the vicinity of our shores.

"East CoAst or PENINSULA.—The returns show a decrease in the imports of 41,637 dollars. The total unports were, 411,330 dollars; amongst which were comprised, gold dust, 7325 bunkais, valued at 223,193 dollars; pepper, 1355 piculs; iun, 6666 piculs; specie, equal to 42,021 dollars. The exports amounted to 454,962 dollars, showing an eyr-es over 1841-42 of 61,478 dollars. They comprised cotton twist, 1512 piculs; British cotton goods, 17,430 pieces, and 644 corges; optum, 297 chests; specie, equal to 83,496 dollars, &c. During the year 1842-43, 336 boats, equal to 4303 tons, arrived at Singapore from the different ports on the east coast of the Malay peninsula.

"WEST COAST OF PENINSULA .- This commerce is by no means improving, the gross imports and exports for 1842-43 being only 3204 dollars.

"CELEBES AND OTHER EASTERN ISLANDS .- In the year 1841-42, the imports reported were equal to 327,552 dollars, and in 1842-43, they only amounted to 113,709 dollars, showing a decline of 243,843 dollars. Were the cause of this seemingly great falling off not of easy and satisfactory explanation, it would be calculated to excite fears as to the stability of this valuable branch of the commerce of the port. It is well known that the Bugese and other eastern traders come here with the southerly winds, trenching as close as possible upon the last of the monsoon. Whether the monsoon set in earlier last senson, or the Bugese boats were later than usual in departing for Singapore, is not ascertained-twenty-seven boats only, however, succeeded in reaching Singapore; the rest were compelled, in consequence of adverse winds, to put into Java, where the Nacodahs sold their cargoes and purchased returns. It is said that the Dutch authorities considered it politic to exhibit unworted liberality on the occasion, by a remission of the usual duties, no doubt as an inducement to the Bugese to resort to Java in future, instead of Singapore. It is extremely probable, however, that this encouragement, even if continued, will fail in producing the wished-for effect, as, from the absence of all restrictions. Singapore is deservedly held in high estimation by the Bugese and other traders from the Eastern Islands; and so long as the existing wise policy is adhered to, we may calculate on retaining the chief portion of the Bugese trade.

"We are glad to know, that this season there is no falling off in the number of the Bugese traders who generally resort to this port. The number of boats which have already arrived exceed 400, so that the Chinese and other native mcrchants, who chiefly transact the business with the Bugese, are in full activity. The present great scarcity of money, however, we are informed, is rather impeding the brisk exchange of commodulies, owing to the difficulty thereby created to the native merchants, of obtaining from the European commission-houses the piece-goods which they barter with the Bugese for their imports. We also learn that the Bugese this year are, to a much greater extent than formerly, dealing directly with the European merchants, having, through some cause or other, lost their confidence in the native dealers,"—Singuppore Free Press, October 26.

" The exports amounted to 123,919 dollars, showing a decrease from 1841-42 to the extent of 225,405 dollars.

⁴⁴ BORNGO.—Although in the comparative abstract statement, there is an apparent increase of imports to the actent of 9275 dollars, there has been an actual decrease in the legitimate trade of 35,725 dollars.—76 chests of opinm, which went to swell the amount of imports, having heen returned. The imports consisted of antimony ore, 7478 piculs; gold-uius, 4337 bunkals, asulued at 126,652 dollars, rations, 9060 piculs; psecie, equal to 7395 dollars, &c. The antimony ore comes principally from Sarawak. The exports for the year 1842-43, amounted to 296,657 dollars, howing a decrease of 23,311 dollars. The most important were British cotton goods, 3908 corges, and 15 dozen; opium, 227 chests; ten, 1928 boxes, and 52 priculs; and specie, conait to 34,202 dollars.

"During the year 1842-43, 88 boats, equal to 2701 tons, arrived at this port from Borneo.

"BALLT, LOWIDOGS, AND SAAWAK.— The imports were 183,395 dollars, being 'a slight increase of 693 dollars over the previous year. They comsisted of coffee, 1010 picuis; rice, 96,211 piculs; and tobacco, 2449 piculs. The gross value of the exports amounted to 189,333 dollars, being a decrease of 23,745 dollars from the preceding year. There were British outon goods, 6133 pieces and 177 corges; opium, 217 cherts; and copper tokens valued at 27,089. The trade during the past official year was carried on chiefd by square-rigged ressels. Wwarty-right naive boats only arrived, whereas in 1841-43 there were 123: the same cause which prevented the Bugese reaching operated in the present case.

^α 6 Σσκατπα.— The imports in the year 1642-43 amounted to 284,001 dollars—being an increase of 35,435 dollars. There were bees war, 611 piculs; beginami, 825 piculs; betel nut, 9324 piculs; coffee, 2581 piculs; cotton, 3660 piculs; gold dust, 647 bunkais valued at 19,705 dollars; rice, 8153 piculs; pepper, 4987 piculs; raw sago, 201,910 bondles; and specie equal to 57,810 dollars, &cr. The exports exhibit a decrease of 69,234 dollars; having amounted in 1842-43 to 188,922 dollars. The chief were British cotton goods, 5285 pieces and 336 corges; country ditto, 2116 corges; China creckery valued at 9609 dollars; traw silk, 43 piculs; copper tokens valued at 24,655 dollars; and specie equal to 80,865 dollars.

^a NFaicsHBOTERING IELANDE AND OFFICE PLACES.—The value of the imports in 1542-43 amounted to 159,771 dollars, showing an increase of 41,254 dollars. They principally consisted of bêche-de-me, 1214 piculs; gold dust,665 bunkals, valued at 19,450 dollars; tin, 1488 piculs; oil, 2509 piculs; rice, 11,530 piculs; and specie equal to 29,817 dullars. The export scalable at still greater increase—the gross amount was 161,449 dollars, acceeding 1841-42 by 66,308 dollars. The chief articles were British cotton 2003 piculs to 73,210 dolfars.

" PRINCE OF WALES' ISLAND AND MALACCA.-The intermediate trade with Penaog has materially declined, and the exports to Malacca have also fallen off.

IMPOI	RTS.		* BXPOI	B T S.	
PROM WHENCE.	184119	1842-44	DESTINATION.	1941-42	1349-45
Prince of Wales' Island	dollars. 509.766 204,488		Prince of Wales' Island		dollarw, 473,125 210,905
TOTAL	\$14,186	717,687	POTAL	676,198	494,033

¹¹ The Junk Season.—The number of junks which have nrived this season, 1643, greatly exceed the arrivals last year at the same time. The errival of emigraus has size been very large, being to the 19th instant 6888, of whom 1168 have come by squarrigged vessels—a new feature in the history of Chinese emigration—and 5725 by junka. The number of emigraus has the bistory of comparison of the system of the season season of the season season of the season season and beand once and beand once at the season the season the season the season season season season season season season season of the season seaso

COUNTRIES.	Ventels.	COUNTRIES.	Vessels.
Dutch Baglish American French Rambourgh	20	Brought förward Danish. Spaolah Belgian Sbipe from Australia	hunsber. gla
Garried forward	6	TorsLaura	627

THE following is the Total Number of Vessels which passed the Straits of Sunda during the Fear 1844, which were signalised :---

TRADE OF SINGAPORE FOR 1846-47.*

"Currsn.—The imports during 1846-47 anoauted to 4,282.349 rupees, exceeding those of the previous year by 1,38787 rupees. The improvement of the imports from China appears, however, to be more apparent than real. The increase is more than covered by two items—nandely, excess of trasuver and bulknon over preceding. They appear 1,220,138 ruppes, and 200 chests of Tarkey optim valued at 223,258 ruppes. There was a great falling off in the articles usually imported by the principal imports was complexed, and cover a second and the start of the star

"The exports present a decline, having only amounted to 4,923,555 rupees, being a falling off from the previous year to the setted of 633,120 rupese. This arises from a diminished export from this to China of British cottons, flints, sapanwood, cotton, twist, copper, tin, lead, &c. The chief articles of export were—guns, 415; betel nut, 7602 piculs; birlds, nests, 396 piculs; bêche de mer, 7531 piculs; rotton, 654 bales; twist, 465 piculs; British cottons valued at 64,391 rupees; iron, 6961 piculs; itn, 1270 piculs; Bengal opinus, 1834 chests; Malwa opium, 936 chests; rice, 41,355 piculs; Theisa, 44,005 piculs; black peppen, 10,603 piculs; woollens, 62,346 rupees; Gavro and Lakko waad, 4122 piculs; Sapat wood, 2557 piculs.

"Ninety-one junks, equal to 16,076 tons, atrived from China, being a decrease of thirty-one junks, and fifty-one tons. The number of emigrants from China during 1846 47, by Junks were 7.080, and by sixteen square-rigged vessels 1976-total 35692. The most industrious and healthy proceeded to Penang, Malacca, and elsewhere, in search of labour, the sixtly, julle, and viccious, remained at Singapore.

*J.v.x.—Theimports amounted to J.676,078 rupees, being a decrease of 133,423 rupees. This decrease appears to arise on the articles arrack, benjamin, coffee, J.vra piece goods, e.c. The principal imports consisted of—arrack, 127,180 gallons, and 626 cases; Japan copper, 6577 piculs; Java, piece goods, 2003 corgets; rice, 43,369 piculs; nutmegs and mace, 87 piculs; sugar, 17,217 piculs; Java tobacco, 20,322 baskets, and 168 piculs; treasure and bullion value at 111,491 rupees.

The exports amounted to 801,965 rupees, showing an increase of 11,005 rupees, arising on opium, tin, China crockery, &c. The chief exports were British piece goods, suled at 49,218 rupees; country ditco, 106,966 rupees; China crockery, 69,412 rupees; tin, 1873 piculs; Bengal opium, 49 chests; Turkey ditto, 30 chests; raw silk, 603 piculs; tea, 3651 boxes, and 1189 piculs; wheat, 3982 bags; China apper, 24,092 rupees; builton and trassure, 45,029 rupees.

"Rmo.—The imports amounted to 506,672 rupses, being an increase of 1836 rupses. The principal articles were, gambuer, 27,657 piculs; black pepper, 17,603 piculs; white pepper, 1866 piculs; rice, 12,160 piculs; swgar, 3375 piculs.

"The exports amounted to 417,782 picula, showing a decrease of 89,816 rupees. The chief exports were rice, 27,226 picula; specie valued at 303,679 rupees.

· Condensed in the Singapore Free Press, from Official Report.

"SIAM — The imports amounted to 406 412 rupees, showing a decrease of 51,813 rupees The principal imports were sigar, 10 565 piculs gambouge, 386 piculs hard wire; 49,733 rupees, cocoa nut oil 1750 piculs, rice, 9176 piculs, salt, 14 480 piculs, sticklae 1036 piculs, sapanwood, 10,050 piculs, besides a large quantity of sugar, &c, trans shipped in the harbour

"The exports amounted to 750,357 tupees, showing an increa e of 152 903 rupees The chief exports were bees way, 143 piculs, cotton twist, 1088 piculs, British piece goods, 255,615 rupees; country ditto, 47,085 rupees, raw silk, 54 piculs, specie, 220,452 rupees

"Seventeen junks with an aggregate burthen of 4088 tons arrived from Siam, being an increase of three junks and 808 tons

"The trade with Siam is capable of considerable increase, were our commercial relations with that country put on a better footing

' COCHIN-CHINA -There is a falling off in the trade with this country

	Imports	Fxports
1842-46	619 001 rupees	762 601 rupces
1846-47	318 864 "	314,845
Decrease	800,187 rapees	447 756 rapees

"The principal imports consisted of, oil 1970 piculs, raw silk, 112 piculs, 34,080 piculs salt 12,160 piculs, sugar 6160 piculs

"The principal exports consisted of British cotton, 41,135 rupees gambler 3520 piculs, optim, 146 chests, tea, 280 bokes and 1860 piculs

"The following are stated to be the port dues levied on vessels trading at the port of Turon

For a vessel of 30 to 36 candies in breadth 162 ligateens per candia

do	26 to 27	do	144	do
do	14 to 2.	do	126	do
do	11 to 13	do	81	do
do	9 to 10	do	63	do
Under	9	do	314	do

"The value of the ligateen is fluctuating two are generally equivalent to a dollar The candee is equal to eighteen French inches, or $19^{+0.0}_{-1.05}$ English inches

⁴ BOIN NO — The imports from Bo neo amounted to 791, 703 rupees showing a decrease of 300,401 rupees chiefly in gold dust pepper rittmas, Miliy camphor, & The principal items wire antinony ones from Sarawak, 1950 piculas becs way 6.0 piculas bird s-nests, 27.5 picula, black and 9 picula, white Miliy camphor 14 picula rattans, 20,972 piculas sago, raw, 113 980 bundles, and 1100 picula itreasure and bul-lion, valued at 356,729 rupers

⁴ The exports were \$\$9.982 ruppes, showing a decrease of 5% 645 ruppes. The chuef were —cotton twist, 57 piculs British pice goods 2.9 641 ruppes country do 174,700 ruppes, China crockery, 17,628 ruppes hardwire 9(4b ruppes non 1147 piculs nankeen, 15,000 pices optim, 132 chests pice, 12,124 piculs tokens, whued at 31,974 ruppes bullion and treasure 96 065 ruppes.

"One bundred rud twelve boats, with an aggregate toonage of 314 tons, virtued from Borneo, being a decrease of ten boats, and 241 tons. A great increase of trade will, however, take place with Borneo from the theoratic h protection against the prints, which the British navil and politic il station at the commanding port of Labuan will hereafter afford

"BALLY, LONDOCK, and SUMBING -- The imports amounted to 411 198 rupece showing a decremse of 148,002 tupers. The third items were --white birds-neary 4 piculas coffee, 3771 picule rice, 38 632 piculs, tobacco, 2810 piculs copper token, 17,972 rupees, and species (60 645 rupees.

"The exports amounted to 432,017 supers, showing a small decrease of 9948 rupese. The principal exports were —muskits, 97.5 British piece goods 70.266 supers opium, 149 chests of Bengal, and 55 of Lurkey, raw silk, 24 piculs and copper tokens, valued at 39,241 supers

" Lighty-eight boats, with a tonnage in all of 3356 tons, arrived from Bally, Loing three boats less than in the previous year

YBARS.	IMPORTS.	BXPORTS.
1844-45 1845-46	1,131,639	Tupees. 688.935 3,118,135 786440

"The principal imports, in 1646-47, consisted of :--bêche de mer, 2528 piculs; beex-wax, 233 piculs; coffee, 7146 piculs; country piece goods, 225,205 rupess; mather-o'-pearl shells, 2681 piculs; rice, 6090 piculs; tortoise shells, 101 piculs; trensure and bullions/70/477 rupees.

"The exports of importance were arms, valued at 11,034 ruppes; cotton twist, 1273 piculs; British piece goods, 231,103 ruppes; country ditto, 34,389 ruppes; gambier, 4668 piculs; hardware, 16,068 ruppes; nankeens, 5000 pieces; optimn, 102 chests; and copper tokens, 167,946 ruppes. The number of Bugis boats which arrived here in each of the three following wears were :---

	No.	Tons,
1844-45.,	94	8459
1845-46		3228
1846-47		\$120

"SUMATRA. —The trade with Sumatra appears to have somewhat diminished. The following is the result compared with the previous year :--

Im	ports, Exports.
1845-46, 70	3.054 524,825
1846-47 55	1,402 514,509
Decrease 15	1,652 10,318

"The principal imports consisted of beeswax, 451 piculs; betel-nut, 6400 piculs; benjamin, 2520 piculs; coffice, 1442 piculs; pepper, 1906 piculs; rattans, 6755 piculs; raw sago, 288,192 bundles; fish maws and shark fins, 262 piculs; treasure and bullion, 176,099 rupes.

"The most important exports where twist, 63 piculs : China erockery, 10,439 rupces ; British piece goolds, 98,301 rupces ; country ditto, 105,030 rupces ; hardware, 7258 rupces ; opiun, 44 chasts; raw silk, 16 piculs ; salt, 10,683 piculs ; copper tokens, 37,695 rupces ; treasure and builton, 12,201 rupces ; 507 native boats, with a toumage of 5617 tons, mrived here, being an increase of 33 boats.

"EAST COAST OF THE MALAXAN PENINSULA.- A very considerable increase is observable under this head.

	Imports.	Exports.
	1,289,728 rupees	1,453,350 rupees
1845-46	1,129,270 "	1,160,054
Increase	110,458 rupees	293,295 rupees*

"The principal imports consisted of country piece goods valued at 42,459 rupees; hides, 826 piculs; pepper, 8116 piculs; sail, 25,340 piculs; tu, 4184 piculs; Garro word, 403 piculs; bullon and treawner, 866,793 rupees.

"The principal exports appear to have been cotton twist, 2514 piculs ; British piece goods and woollens, 166,637 rupees ; country piece goods, 33,163 rupees ; iron and steel,

YEARS.	Imports.	Experts.	YEARS.	Imports.	Exports.
4810	1,017,861 923,573 1,194,948	NA3,503	1844-45 1845-46 1846-47	1,129,270	tous. 1 114 058 1,169,034 2,454,359

* The following exhibits this trade for seven years past,

11,566 rupees, opium, 483 chests, silk, 54 piculs, rice, 8750 piculs, tobacco, 49,269 rupses, specie, 139,127 rupees.

"WEST COAST OF THE MALATAN PENINSULA - The imports and exports amounted to 72.675 rupees The principal trade is with Penang and Malacca

"NEIGHBOURING ISLANDS AND OTHER PLACES -The trade, contrasted with that of the preceding year, gives the following results ---

	Imports	Exports
1846-47	330 116 rapees	364 752 rupees
164546	290 097 ,	346 832
Increase	40 319	17 920

"The principal imports were bêche de mer, 1441 piculs oil, 1970 piculs , riw sago,

125,500 bundles, coffee 493 piculs birds nests 144 piculs, in 843 piculs "The exports consisted amongst others of silk, 19 piculs opium, 69 chests Bengal and 13 Turkey, British piece goods, 16,664 rupees rice, 12,020 piculs, specie, 113,544 rupees

" The amount of trade in 1846 47, by source rigged vessels and by native vessels is thus contrasted

	Imports	Fxports
	rupees	rupees
By square-rigged vessels	21 135 695	10 244 890
By native boats junks &c	5 370 388	5 059 0 10

"PRINCE OF WALFS ISLAND -- There has been a considerable decrease in the trade with this place, arising no doubt from the revived direct trade between Penang and Great Britain The total imports from Penang in 1846 47 amounted to 1,435 650 rupees, and of exports to 1,356,005 rupees The decrease on imports amounted to 227,305 rupees, and on exports to 513,361 rupees

"MALACCA -The trade with this quarter is improving The imports amounted to 831.893 rupees, being an increase to the extent of 159 020 rupees The principal import was tin, to the amount of 15,131 picnis, valued at 605,025 rupees, or about 60,000/ sterling

"Shipping -There is a decrease of 411 toos in importing in square rigged vessels, and a decrease of 1945 tons in native boats

" In 1846 47 there arrived of-

			Vessels	Ton*
Square-r	gged vessel:	8	7.0	222 325
Ditto	ditto,	junks, &c	2304	68,160
			Total topnage	2.0,485

" The square-rigged craft are classified as follows -

DESCRIPTION	Vessels,	Tons	DESCRIPTION	Vessels	Tos
	number	number		number	number
American	27	£1 G40	Broubt forward	223	4913
Arabian	8	2,101	Portug iese	7	30
Austrian	1 1	330	P us iau	4 1	0.0
Belging	2	1 1 1 40	Russin v	1 1	330
Bremen	1 3	804	Spaniala	1 10	4 499
Cochup Changes	8	1 450	Siamese	6	1 1 1
Danish	1 7	2135	Sweduch	5	1 119
Dutch	123	18,947			
reuch	14	4 244	Total foreign	239	1 1
Tamburg	14	40.8	British	531	16 162
Native	21	2,399			
		·	Total	7.10	2 3 3 1
Carried forward	223	49 175			

There likewise arrived-

se errived		
		umber.
British men-of-war		15
Her Majesty's steam-vessels	• • •	1
East India Company's ditto		. 8
Dutch ditto		. 2
		-
		21

COMPARATIVE Abstract Statement of the Trade of Singapore with the undermentioned Places, between the Official Years 1845-46 and 1846-47.
Flaces, between the Onicial Fears Local-to and Toto-11.

	IMPORTS.						
COUNTRIES.	2845-46			1845-47			
	Merchan- dise.	Tressure and Bullian.	TOTAL.	Merchan- dise.	Treasure and Bullion.	TOTAL.	
	Cu.'s Ro.	Co.'s Re.	Co.'s Rs.	Co.'s Rs.	Co.'s Re.	Co.'s Re.	
Freat Britain	7,013,590	874,636	7,368,525	5,888,091	233,128	6,121,870	
ontreental Europe	846,859	28,516	875,375	1,157,310	· 16,391	1 171,701	
Joned States	48,598		46,593	58,740		68,749	
ew New South Wales	129,631	2,223	130,884	49,853		49,658	
favriges	1,987	4,199	0,194	15,082	6,888	21,950	
ontron	589	9,245	9,784	7,924		7,924	
alcutta	4,786,809	36,411	4,525,990	6,161,722	790	6,152,521	
fadras and Coast	160,730	325	160,950	331,895		831,035	
iombey and Coast	093,819	9,946	703,005	. 616,236	48,920	553,156	
hina	2,758,419	\$\$8,923	8,146,642	3,927,343	9,055,106	4,282,34D	
Manilia	683,311	8,770	697,111	367,216	4,470	886,690	
Rungoon and Monimein	(15, 192		65,492	\$5,399		\$5,399	
racan	878, 926	1 2	278,170	160,256	1 347	101,603	
oylon	38,036	3,101	41,157	\$58,343	9,208	309,551	
ara A	1,486,897	383,194	1,800,501	1,205,327	379,751	1,676,078	
Rbio	384, 184	20,554	491,835	373,628	83,049	406,679	
Arabia	25,489	20,433	45,622	14,110	6,736	20,840	
Cochan China	694,235	14,786	619,001	309,701	0,168	318,861	
Siam	446,845	11,397	458,945	404,686	3,798	406,432	
Borneo	448,797	613,457	1,092,204	435,074	856,729	701,803	
Bally, Lombook, and Sumbawa	483,109	78,281 238,530	460,390	326,973	84,615	411,488	
Celebes and other Bastern Islands	461,098		1,131,558	607.588	187,901	795,439	
Sumatra	862.363	\$21,073	703,054	368,669	182,734	851,403	
	11.368	766,907	92,183	19,166	866,793	1,239,723	
West ditto	174,635	10,763 115,462	290,097	236,539	12,462 93,877	31,025	
Company's Bupees	23,432,105	8,194,343	28,616,448	22,119,605	4,586,443	26,706,078 26,616,445	
	******				0,104,040	20,010,943	
Decrease	1,419,470				1		
Increase				1	1,409,100		
Decrease			••		1,312,470		
Nett increase				1	89.530		
				Co.'s		a.	
Torat Amount of Merchandie of Treasure at	e amported	in 1846-47 a ditto	ditto				
of monthly of Treasure at	la trainition t	μ μπτο	ania '		26,786.0	-	
B of Merebandi	a Imported	from Penner	to 1940-07	1.171		19	
of Treasure at	ad Ballion	ditto	ditto	25	.879		
					1,435.0	50	
	e inportes	ditto			0,248		
· · · · · · · · · · · ·	ne pantag	dino.	ditto	····· 12	831,6	9 8	
		TOTA		1	28,973.0		

COMPARATIVE Abstract	Statement of the	Trade of Singapore.	So. + (continued).
		1	

	B.X.PORTS.						
COUNTRIBS.	2 1845-40			1846-47			
	Meerban-	Pressore and Bullion.	TOWAL.	Mezchan-	Treasure find Bullion.	Tarsı.	
	Co.'s Re.	Co,'s Re.	10.'s Re.	Co.'s.R.	Co.'s Rd	On.'s Rs.	
ent Britain	2,153,403		2,103,408	2.114.076		"9,111,878	
atineutal Buroje	865,798	17,968	894,761.	743,197	1 · · · ·	243,197	
nited Stores	25,391	1 - A	23,381	65,740,	1.4.	05,710	
po of Bood Hogo	102, 62	k 20 -	162,702	362,978		- 002.078	
uritina,	\$3,570	12. 4 . 4	£ 1,578		1 - 1 - 1 - 1	45,332	
and an a second a s	451,236		i 51,238. 4,578	29,0.57		35,037	
Instru-	867,194	5 170.070	3.6 3.165	1,001,034	2.633.21	18.834 195	
loution	145,399 -	150,391	853,920	198,285	243,179.	180,658	
	503,619	40.44	550,583	555.038	30,392	4.021.490	
ioa	5 422,503	\$30,173 4	5,760,676	* 4311.728	151,839	4,923,356	
anilla	440.3.12	38 503	468.616	328,169		845,169	
more and Moulisell	31,230	39,315	61,547	09,348	9.85 59.50	101,458	
eCata yloo	1(8	124,075	196.853	10,189	49,590	61,019	
yla0,	48,474	20,218	63,688	27,004	. 64 179	22,093	
**	736,178	21.006	750,849	708,713	45 752	501,065	
10	\$24,551 v128,595	40,416	507,508 168,411	· 184,163	403,671	417,153 234,118	
chin Chinat	732,946	9,635	782,501	250,750	52,968-1 1,064	314,545	
Enin Chipter,	471,893	15,61	* * STRASE	51,3,161 62,1838	229.519	750,85	
101,	593,777	149,852	649.637	762,5-14	127,438	862,982	
ally, Lombork, and Sambawa,	458,738	#9,127	491.865	441,253	40.725		
tebes and other Chatern Islands	1.001.072	L 116363	· MISTAS	617,211	169,069	492,015	
math	612,978	112 752	\$24,826	. 305.609	1/59,898	 \$14,567 	
ant Coast Petinvala	1,005,166	121.8 8	RE, 1606AL	. 1,80si,260	147,150	1,453,350	
est Coast ditto	24,880	05,180	31,109	33, 375	1,769	41,047	
eightoming Islands and other Phoes.	281,704	6,5,180 1	344,892	2N0,75	114,961	864,749	
Company's Rupana	17 045,074	\$ S. W. 919	21,162,987	16,053,486	5,349,144,	32,203,630 21,169,987	
Decrears	6/2,158						
Increase,	10/13, 100	ł		1	Ta\$98,181		
Decrement		4 '	1	:	362,488		
* ***							
Neft iporease				Co.'s	Ra Co.'s B	1,040,648	
Total Amount of merchandis	e exported i	a 1845-47; in	bhaves	10.15	L180 P .	wa, C	
to of brepsure at	ni buluou in	aitto.t	with init.	5,710	22,263		
ut matchand	er er nameter	to Penator in	then in	BU	1431	1450	
gf 1pensuzp &	d builion to	ditto in	diun	40	472		
bi merchant	he explored	m Malbers in	1816-45		1,356,	006	
of restate a	nd hallion to	dieta li	datto	t	617 033	163	
		1.4			-		
	Grinn To	F#8			24,654	998	

END OF PART XXIII.