ELEVENTH ANNUAL REPORT

OF THE

DEPARTMENT OF LAND RECORDS AND AGRICULTURE.

BOMBAY PRESIDENCY,

FOR THE YEAR 1893-94.

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No. A OF 1894.

FROM

E. C. OZANNE, ESQUIRE, I.C.S., M.R.A.C., Survey Commissioner, and Director, Land Records and Agriculture, .

Bombay;

 \mathbf{T} o

THE HON'BLE J. NUGENT, ESQUIBE, I.C.S., Chief Secretary to Government, Revenue Department, Bombay.

Poona, 26th November 1894.

SIR.

I have the honour to submit the Annual Report of the Department of Land Records and Agriculture for the year ending 31st October 1894.

- 2. During my short absence on privilege leave Colonel C. W. Godfrey, Superintendent, Konkan Survey, held charge.
 - As Director I visited Ahmadnagar and Sholapur to inspect the district survey offices; and during my tour in the Satara District the district survey office was examined and the field and daftar work of some Circle Inspectors was tested a report duly made to the Collector. The district survey office at Poona was also examined by me. At Surat, in consultation with the Agricultural Chemist to the Government of India, I selected a site for the new Surat farm. I served as member of the Famine Code Committee and of the Committee appointed to consider the proposed transfer of the Bombay Veterinary College to Poona.

My touring as Survey Commissioner necessitated by the requirements of the various surveys and of pending settlement proposals left little leisure for regular inspection tours to watch the working of the Land Record establishments.

I.—ORGANIZATION AND MAINTENANCE OF VILLAGE RECORDS.

No extension of the Circle Inspector staff has taken place. Though the Inspectors are at work in Ahmadabad, the survey records still remain ready for transfer at Surat, pending decision on the utilization of Broach as the depository for the records of all the Gujarát Collectorates. The arrears of correction work are, therefore, day by day accumulating. In Belgaum the location of the records in separate buildings as a safeguard against loss by fire has not yet been effected. The new record-room at Sholapur has been completed, and those at Poona, Dhulia and Satara are nearly ready. At Ahmadnagar work is on the eve of commencement.

The Khandesh records have been moved to Dhulia from Malegaon and are temporarily located in the revenue record office, leaving ample accommodation at Malegaon for the Nasik papers, though these will eventually go to Nasik itself.

The survey records of recently settled tracts in Khandesh, Sholapur, Satara and Poona have been duly handed over by the Survey to the Revenue Department.

Survey classes were not required, in all districts, but where they were held, advantage was taken in the Central Division to give further training to a few Inspectors, who, in spite of having passed at former classes, still showed the need of instruction.

The revised rules for the guidance of Circle Inspectors have been sauctioned by Government, but were not brought into force till towards the close of the year when vernacular translations were distributed. The revised rules for District Inspectors have not yet been finally approved by the Commissioners as also rules for regulating and systematizing the work of the District survey offices.

5. In prefacing my remarks on the work done by Circle Inspectors and on the test taken of that work, I have again to state that the Divisional Inspectors submitted their reports beyond the prescribed date. The reason was delay in receipt of district returns which exceeded a month in Násik and Belgaum.

6. Crop, Waste and Boundary-mark Inspection.—I append the usual table:—

	1	¥ ABE	RAGE BY E	ach Insp	ECTOR.					
District.	of actua	r of days l Inspec- on.	Number of Villages inspected.		Number of Survey Numbers (occupied and waste) in- spected per diem.		occupied	Area of Numbers.		Area of ed Num-rs.
•	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93	1893-94.	1892-93
1	2	3	4	5	6	7	8	9	10	11.
Ahmadnagar Poona Sholápur Sátára	57 61 69 72 75 75 67	59 60 65 32 80 82 81 68 71 74	45 43 40 46 50 41 38 42 33 35 33	44 41 41 38 54 42 38 42 35	8 7 9 9 8 10 9 7 7 9	8 8 6 11 11 10 8 9 8	12 16 11 2 10 9 11 11 20 8	11 16 10 2 10 8 13 11 20 9	11 15 13 2 9 8 10 6 18	10 14 9 2 9 7 10 7 16 5

"Staff introduced, 1893-94,

Under the rules in force there should have been about 80 days available for the inspection in the allotted period of 4 months, but, as the table shows, this average was not nearly reached in most districts, and there has been a decline in working days nearly everywhere. The improvement in Kanara is not real, but resulted from the authoritative curtailment of the inspecting season last year. Apart from the usual causes (viz., sickness, urgent measurement work necessitating temporary stoppage of regular inspection, and absence of village officers at the Inspector's visit) the liberality with which leave in the working season was granted, and the employment of Inspectors on foreign duties seem to require enumeration. The stringent orders issued by the Collectors should eliminate the last-named cause. Sickness was very prevalent in Khandesh, Sholapur, Bijapur, Dharwar and Kanara, but it is not clearly differentiated from casual leave and other absences. Leave in the working season cannot be stopped altogether, but it seems to be admitted that the survey tradition should be preserved:—that except on the score of sickness or very urgent private affairs absence from duty in the field season should not be permitted. Absence of village officers impeded work especially in Poona, Sholapur, Sátára, Belgaum, Bijápur and Dhárwár.

Avoidable leave intensifies the difficulty of providing fit substitutes. The opinion of the Khándesh Collector that it is preferable to leave a circle vacant than to fill it by an untrained man is perfectly sound. I said all that I have to say on the questions above noticed in the concluding remarks of my 19th paragraph last year.

Turning again to the table it is evident that the diminished period of inspecting days has not affected the number of villages inspected, but this means that the percentage of inspection was reduced.

The daily tale of work (columns 6 and 7) has fallen in over half the districts. This is not explained by the authoritative lowering of the task from 12 to 10 survey numbers a day, for the reduced standard was in force in 1892-93. To check the selection of small numbers inordinately, present orders require a minimum area outturn as well as a minimum number of fields. The opinion among District Inspectors is that the standard is still too high. The remedy lies with Collectors, who fix it according to the varying conditions of each district, but I think that a reduction all round is not shown to be necessary, and I notice that the Divisional Inspectors think so too. However, if improvement in the quality of inspection is shown, it is certain that on all sides fault for deficiency in amount will be readily passed over. It is satisfactory (columns 10 and 11) that the rule that average sized fields should be selected has been so generally observed.

The table next given shows how far the Inspectors have been able to check cultivation returns and watch the unoccupied waste to detect unauthorized cultivation or in the case of lands set apart for special or public purposes, any infringement of the conditions imposed:—

Inspection percentage Statement. .

		•			CROP INS	PECTION.) '	Vaste I	NSPECTIO!	٠.	
•			inspected	P	Occupied ercontage	l Lands. inspected	l.	Unoccupied Lands. Percentage inspected.				
District.		per	per cent.		On Survey Numbers.		Arca.		On Survey Numbers. On Arc			
•		1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-93.	1893-94.	1892-03	
1		2	8	4	5	6	. 7 ·	8	9	10	11	
	• • •	91	87 90	7·4 5·5	7·6 • 6·3	7·1 5·3	6.7	19.9	20.4	15.4	15·6 18·4	
Belgaum	• • •	90 91 79	92 64	6·9 11·1	7·1 4·7	8·2 11·1	5.8 6.0 4.3	20·5 19·5 14·1	22.6 21.5 7.4	16·8 17·6 11·2	17·0 4·2	
Khándesh	•••	87 86	84 89	10·1 9·7	12·3 10·8	9·5 9·1	11.6 9.8	17·7 26·1	20·2 13·6	13·9 20·8	14·8 17·0	
Ahmaduagar		92 82	93 82	8·7 6·0	10.4	7·7 3·7	8·1 3·8	30·5 27·5	29·3 30·6	24·7 18·7	24 6 20 9	
Sholápur	• • • •	88 94	94. 94	6·6 7·9	10·6 8·2	5·9 4·9	8·3 4·2	32·0 33·9	36·9 25·3	33·6 24·3	28·4 21·1	
A 1 J . L . J .	•••	97	•••	6.3	.,.	4.5	•••	14.0	}	9.3	•••	

As stated last year all villages should be visited, for the rules provide for reduction in the amount of inspection when interferences are unavoidable. In Khandesh a large number of villages were left unvisited owing to urgent measurement work and attendance in the Civil Court. In Kanara the chief causes assigned are sickness and leave. In Poona and Belgaum absence of village officers is a conspicuous cause. Fines have been inflicted on village officers in some districts for negligence in this respect. Want of time is another of the causes assigned in Poona, and it may be that the charges are too heavy. The abolition of the Poona City Circle is being considered. In Satára the Collector employed 3 Inspectors for a month to prepare the settlement jamábandi papers in time. This exceptional necessity seems fully to justify such action. On the whole the extent of the crop inspection is fair, though it is a little below last year's percentage. It is too low in Sholápur. If the Inspectors are strict to show up all cases where the inspection has been deliberately fudged by the village officers, and keep in view the prime object of the inspection, viz., to teach these officers how to improve their eye estimates, a short outturn will, no doubt, be readily accepted. I say this lest the Inspectors should think that their work is to be gauged solely by the percentage figures.

Waste inspection has been satisfactory in the Central Division except perhaps in Khándesh. There is a falling off in the Southern Division. The increase in Kánara is nominal. In Násik the apparent improvement is almost wholly accounted for by the smaller number of waste fields in the villages inspected, but the extent of inspection is nevertheless satisfactory. Encroachments, chiefly cases of unauthorized cultivation, were detected to an even larger figure (1,097) than the already large figure (933) of the previous year. In the Southern Division the number of cases rose from 193 to 314, more than half the total belonging to Kánara. Except in Kánara where the village officers reported 75 per cent. of the encroachments, even less help was received than in the previous year. It is remarked by one Collector that if Inspectors can detect encroachments village officers can, and therefore orders have been issued calling the Assistant Collectors to pay especial attention to the matter. Such attention should also be directed to prevent Inspectors from swelling the number of cases by including trivial cases. Such cases may be fully met by a warning, provided a note is recorded. By trivial cases I mean to refer to such cases as a slight unintentional encroachment on waste, but if the encroachment is continued after the warning it must be reported.

As to the quality of the registration of crops by the village officers, the

	Arwir 51 Apur 42 Igaum 45 nara 75	found ect.	Name of the	Entries found correct.			
	1893-94.	1892-93.	District.	1893-94.	1892-93.		
Bijūpur Belgaum Kanara	42 48 75 72	tage. 46 42 44 72 69 77	Ahmadnagar Poona Sholapur Satara Ahmadabad	Fercen 59 66 51 72 89	52 57 56 66		

table marginally given indicates some improvement over last year, but in the first four districts where figures for 1891-92 are available, the standard of that year is not attained. Early in the season when the village inspection has not been completed, or where the village inspection

has been negligently delayed, the Inspectors are required to make their inspection in company with the village officers, so that these latter may not lose the opportunity for instruction. But it is not right to enter survey numbers thus inspected among numbers where the registration was found incorrect, as has this year been done in Belgaum and Kanara.

The high percentage of correctness in Kanara is attributed to the intelligence of the Shanbhogs, who are stipendiaries; but this is not the chief reason. In other districts of the Southern Division crop mixtures and a great variety of cropping in the same field make the registration far more intricate than in Kanara.

7. Boundary-mark Inspection.—The quality of the work done by the village officers is exhibited in a tabular form below. The standing orders are that the Inspectors are to examine the boundary-marks of every field of which they make the crop or waste inspection. This is the only supervision over the marks in private occupancies for which the Inspectors are made responsible:—

•	MARES TO	AND IN DIER	EPAIR (Pai	RCENTAGE),	*	<u> </u>	Marks pou	KD IN DISE	MPAIR (PAR	CHNTAGE)
District.	District.		Wrongly shown as in repair.		District.		20 16 30 31		Wrongly shown as in repair.	
•	1893-94.	1892-03.	1893-94.	1892-93.	1		1893-94.	1892-93.	1893-94	1892-93
Bijápur Belgaum Kánara Khándesh	58 42 30 67 21	62 43 58 55 31 14	31 34 89 11 25 16	24 37 29 18 12 47	Ahmadnagar Poona Sholápur Sátára Ahmadabad	### ### ###			16 80 32 23 14	11 27 15 14

The table requires some explanation. The figures under "omitted" show. details as to marks of numbers inspected in company with the village officers. Not nearly all of these can be supposed to be the marks in fields inspected early in the season and the large proportion of marks entered in this column must point to great delay in the village registration of crops during which by standing orders the marks should be examined.

Dhárwár has longest been supervised by Circle Inspectors, but the condition of marks is very bad, and the work of the village officers is clearly fudged. Násik shows marked improvement. The Inspectors found the village examination more complete except in Kánara and Ahmadnagar, but the result was that the evidence of carelessness or ignorance was increased, for the mistakes of the village officers (columns 4 and 9) were doubled in Khándesh and Sholápur and largely increased in some other districts. Watchfulness on the part of supervisors of the Inspectors' work may go to prove that they are too ready in doubtful cases to enter a mark as in disrepair. If the rules are over-strict in this matter, suggestions in the direction of relaxation will be considered. In the black soil plains of Dhárwár, the field marks annually sink below the standard size and are annually repaired later in the season than the date of the inspection. The knowledge of this fact may induce the village officers to be lax. Their duty is to enter such marks as in disrepair, because they are in disrepair at the date of inspection.

8. The test taken by the District Inspector and its result are shown below. All the Circles were visited except in five districts. It is not required that the percentage of villages visited should be high, because a careful inspection of an Inspector's work in one or two villages of a circle is sufficient to enable the District Inspector to judge the character of his work and correct misunderstanding on his part. Special attention to the columns showing quality of work is more important than scrutiny of the percentage columns in the table:—

·		•.		Percent-	Twenn	rop Ction.		STR CTION,	BOUNDARY- MARK INSPECTION.	
Di	District.		Number of Circles Visited per cent.	villiges inspert- ed by Circle Inspec- tors.	Percentage on Circle Inspectors' work.	Quali'y of wo k found.	Perrentage on Circle Inspectors' work.	Quality of work found.	Percent- age on Circle Inspec- tors' work.	Quality of work found.
	1		 2	3	4	5	6	7	8	9
Dhárwár Bijápur Belgaum Kánara Khándesh Násik Ahmadnagar Poona Sholápur Sátára Ahmadabad			 100 83 100 54 100 63 78 100 100	2·59 4·76 3·16 14·31 3·89 4·60 5·15 10·17 7·81 10·45 10·39	1·37 4·08 1·04 2·40 2·02 2·37 2·28 5·07 3·03 4·98 4·80	86 83 44 75 92 76 83 78 90	1·33 3·58 0·91 2·30 2·02 0·60 1·66 8·74 4·63 11·52 2·60	100 87 . 83 . 87 . 98 . 100 . 97 . 94 . 100 . 92 . 95	1·45 3·99 1·13 2·45 1·98 1·90 2·17 5·53 2·97 2·60 4 70	99 94 74 79 96 73 98 90 98 92 65

In Khándesh the death of the District Inspector, and in Ahmadnagar the vacancy in the office caused by a transfer have necessarily lowered the percentage of circles visited. The percentage test is fair in quantity especially in Bijípur, Poona, Sholápur and Sátára. The quality of crop inspection, as compared with the previous year, exhibits a satisfactory improvement, notably in Násik. The low standard of quality in Belgaum can hardly be credited, and I have to refer to the comments made last year. The figures of column 7 go to prove a careful examination of waste, and those of column 9 that the Inspectors were as careful in their boundary-mark work. Again I must urge that the work done indicates a very satisfactory performance by the Circle Inspectors. There are exceptions. In Bijápur one Inspector was removed from his post as inefficient, and in Sholápur two were punished by the Collector. As to the District Inspectors, I agree with the Divisional Inspector that the test in Belgaum is still below what it should be and that the District Inspector carried the right priniciple, that thoroughness of test is better than extent, too far.

9. General Duty Inspector.—The appointment of a Circle Inspector to this office in Khándesh as in other districts has been proved advisable. He is a classer, and has special responsibility as to all cases where field classing is requisite. These are not numerous. District Inspectors who are mostly selected from the Revenue Department cannot take an independent test of measurement and other technical work till they have learnt by experience. They, therefore, require the assistance of the General Duty Inspector, who is also used for urgent partition cases, for checking the correction of the classing record at the district survey office, and lastly for training Circle Inspectors.

In Bijápur the General Duty Classer was posted for four months to a circle. This was irregular, but it appears that this Inspector is inefficient for the special duties of his office. In Belgaum the Inspector was employed throughout the fair season on measuring land taken up for roads. In Ahmadnagar, Sholápur, Kánara and Dhárwár, the District Inspectors required the special technical assistance referred to above.

The appointment is an important one and as the General Duty Inspector has heavy travelling, he should be allowed code allowances instead of the ordinary permanent allowance of Circle Inspectors in charge of a circle. This has been proposed to the Commissioners and has persumably been placed before Government for sanction. Trantime the post is unpopular.

10. Check of the Village Census.—The check was confined to one month (July) and to agricultural stock. I give a table similar to that shown in the Commissioner S. D.'s review last year of this section of my report:—

•	District.				VILLAGES FOR TEST IN THE CIRCLES VISITED.		Number of entries checked.	Percentage of correct entries.
			· 	per cent	Total.	Test≰aken.	CHECAEU.	
Dhárwár Bijápur Belgaum Kánara Khándesh Násik Ahmadnagar Poona Sholápur Sátára Ahmadabad	*** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** **		•••	89 100 65 100 69	471 348 355 329 632 443 212 209 246 434	432 329 256 249 601 379 438 179 199 231 118	37,596 21,386 19,462 12,890 38,236 68,514 29,657 17,125 53,312 23,669 10,746	85 75 86 84 85 92 78 77 90 88 93

In some districts the inspection was postponed by the Collector's order owing to very heavy rain till crop inspection is next undertaken. In Khandesh death and absence on leave shortened the number of available inspectors. In Belgaum two circles were vacant, as far as the check census is concerned, by the deputation of the Inspectors to measure land taken up for roads. The full assigned test was not completed in some districts (column 4) for various causes, one of which deserves notice, i.e., the detention of Inspectors at the taluka after the end of June by non-receipt of village returns due much earlier. Inspectors somewhat naturally are not likely to bring such detention to notice with eagerness, and this is the greater reason why Mamlatdars should insist on punctual submission of village returns. The percentage of correct entries is fair, but there is evidence that many village officers do not take the trouble to understand the instructions for compiling the figures. Except in Nasik, Kanara and Sholapur, the check by District Inspectors has been good. In Nasik the District Inspector claims that the rain made his visit impracticable. The superior check showed a fair standard of quality, with improvement in Belgaum, Kanara and Poona.

11. Vital Statistics.—A small marginal table shows that the correctness of

Births omitted 247 Deaths do. 73 658
Cause of death—
(a) Omitted... ... 32 85
(b) Wrongly given... 56 343

the birth and death registers is directly improved by the Circle Inspectors. Errors and omissions are at once notified to the Deputy Sanitary Commissioners and are often notified in time to admit of a correction in the returns submitted by the officers of the Sanitary Department. Appreciation is shown by the Department, but regret is expressed that the registers in municipal towns are so carelessly kept. Circle Inspec-

tors do not check the registers in Municipalities.

12. Maintenance of Boundary-marks:—The scope and object of the special examination of marks made during three months of the fair season were explained last year (report para. 15). I do not show a table similar to that admitted into his review by the Commissioner, S. D., because I think it more important on my part to record annual progress so that it may be gauged whether too much or too little time is devoted to this work. I have said that if all the villages are gone over twice or thrice during the currency of a 30 years' lease, there will be no risk of loss of the completed work of the survey. I now show the progress done in a slightly modified form:—

	District. Southern Division.			Gross Number of Govern- ment Villages.	Inspection completed.	Seasons.	Average per Annum.
	Southern D	ivision.		·			
Dhárwár	***	•••	•••	1,289	580	7	83
Bijápur			• • • •	1,011	667	7	95
Belgaum	***	**1		913	201	3 3	67
Kánara	•••		• • •	1,416	217	3	72
	Central Di	cision.	•				
Khándesh		•••	•••	3,223	999	2	499
Násik	•••	• • •	•	1,535	462	$\overline{2}$	231
Ahmadnagar	• • • •	***	•	1,226	271	2	135
Poona		*** .	•••	1,005	154	2 2 2 2 2 2	77
Sholápur	٠ د	• • •		665	171	2	85
Sátára (í	•••	***	963	421	2	210
				, • }			1

I propose, with the sanction of the Commissioners, to enjoin on the District Inspectors a register, taluka by taluka, in which each village should be entered as completed with succinct remarks as to the state of marks and as to whether re-inspection was done or not.

With this register I shall be able to enter the figures contained in the summary above more confidently.

The inspection nowhere extended to all circles, partly because the Inspector in charge was not considered competent to carry on such important work, and partly from other causes, e.g., leave and sickness. In Khandesh three Inspectors were employed on pot pahani work during the period allotted for the "complete boundary-mark inspection." For this work it is essential that the Inspector should be fully competent, and if sickness or other cause makes a circle vacant at this season, it is generally imperative to leave the work in abeyance. Whatever is done must be done well, or it is practically useless. I trust that Collectors will concur in this remark and conduct the inspection accordingly. Inspectors who are not efficient would be much better utilized by being told off to help in circles where the Inspectors are efficient.

The call on the Inspectors' time to make miscellaneous measurements is becoming so incessant that it has been decided to give authority to the District Inspector to allot such portion of the complete boundary-mark inspection period to such work as may be absolutely necessary in each circle, and no more. It will have to be seen whether this will dangerously impede the progress of the boundary-mark work.

Except in Ahmadnagar the number of villages inspected has fallen. It may be there was more work in those which were completed, but in Dhárwár at least time was wasted by not taking up the work in the nearest village to that last disposed of.

About 75 working days are available, if miscellaneous work and other interferences do not diminish the period. But the actual number of days of inspection varied from 24 in Bijápur to 41 in Khándesh, where the District Inspector claims that more attention was paid to quality than to quantity. An outturn of from 200 to 300 marks a day at first inspection was first fixed as the standard, but it was reduced to 125 to 150 in the Central Division, and to 150 in the Southern Division: nowhere was the reduced standard reached. At the second inspection, marks not repaired in the interval are repaired by the Inspectors and the site of missing marks has often to be determined by measurement. At the second inspection the outturn must be smaller than at the 1st inspection, but it is very much smaller than it should be. In Kánara only two months are allotted, but by some mistake only one month was set apart this year. The Collector

thinks that the full three months should in future be allotted in this district by curtailment of other less important inspection duties.

Irregularities brought to light must be noticed to prevent their recurrence thus:

(1) in one district marks the repair of which must be done at the expense of Government and which by rule should be repaired at once at the first inspection were left over till the second inspection; (2) notices must be issued to occupants who are responsible to repair the marks indicated at the first inspection before the second inspection. This important notice was neglected in some cases and the result was that the responsibility of occupants could not be enforced; (3) some Inspectors began a second village before completing the one under inspection.

With reference to the remark made as to over-haste in some districts in the 4th clause of paragraph 15 of my report last year, the Commissioner, C. D., ordered special enquiry and report. The Divisional Inspector has submitted his report, but I have not seen it. The Collector of Sátára, however, in his comments shows that when the work is in progress in hill tracts where there are few roads and comparatively few marks which come under the scope of the inspection, the pace is naturally fast.

As to the state of field marks, as ascertained by the inspection, the percentage of disrepair varied from 27 in Kanara to 63 in Ahmadnagar. No comment is needed then to prove the necessity of the inspection.

Repair of marks found in disrepair is the ultimate object of the inspection, and this seems to have been largely overlooked. There are heavy arrears in all districts even of marks for which Government is responsible for the repair, Ahmadnagar, Poona, Sholapur and Satara show worst in this respect. Of marks for the repair of which private individuals are responsible, only 16 per cent. were repaired in Kanara between the first and second inspection. In other districts the figures are better, notably in Khandesh, where only 7 per cent. are reported to have been left in disrepair. The Inspectors are empowered to repair such marks on default of the occupant and to recover the cost. From 3 to 17 per cent. of marks, still in disrepair at the second inspection, were thus repaired by hired labour. Even with these powers given to Inspectors, a large number of private marks were left unrepaired. For this unsatisfactory result Mamlatdars are greatly to blame for not keeping the Inspectors in funds. I am almost weary of reporting this neglect. The remedy does not lie with me. So heavy have these arrears of repair become that in Dharwar the whole time of 13 Inspectors was taken up in repairing marks left over unrepaired from former inspections. But similar action must be initated wherever there are arrears, or the object of the inspection will be defeated.

Even where the want of funds to pay hired labour is not the cause of delay and waste of time, such causes as combination on the part of villagers, often aided by the Government officers of the village, to prevent labourers working for the Inspectors are reported. The Mamlatdar under Section 125 of the Land Revenue Code can deal with such difficulties.

Distri	ct.	. •	Encrosch- ments.	Marks fixed by measure- ment.
Dhárwár Bijápur Belgaum Kánara Khándesh Násik Ahmadnagar Poona Sholápur	**** *** *** *** *** ***	***	160 55 280 37 192 142 47 160 75	3,743 858 912 119 55 107 180 278 34
Sátára Ahmadabad	***	•••	792 121	163 94

During the progress of the complete boundary-mark inspection a considerable number of encroachments were detected presumably mostly due to wilful or neglectful disregard of marks, e. g., encroachments on roads and waste set apart. The difficulty of the work is evidenced by the amount of measurement and use of field books to fix the site of missing or displaced marks. The reason for the inordinately high figure of Dharwar has not been given.

Measurement and classing work performed by Circle Inspectors.

13. The usual table is shown below:—

	Sot	THERN	Divisi	ON.	CENTRAL DIVISION. NORTHERN D							
Classes of Cases.	Arrears on 31st July 1893,	New cases recsived	diaposed	Balance on 81st July 1894	0	New	Cases disposed of.	Balance on 31st July 1894.	Arrears on 31st July 1883.	New cases re- ceived.	Cases disposed of,	Balanco on 31st July 1894.
1. Partition of land under Court's decree 2. Sub-division on applications of compants duly sanctioned 3. Disputes necessitating measurements of fields 4. Disputes requiring fixing of marks by field books 5. Encroachments 6. Measurement of alterations caused by alluvion and diluvion	63 62 830 216	156 206 148 571 477	207 188 548 510	62 62 353 183	35 207 890 153	241 142 271 1,082 1,177	193 103 259 804 935	63 74 219 608 895	 11 78 17 14	10 52 45 176	9 41 28 135	1 12 84 34 85
7. Measurement of land required for public purposes— (a) Burial ground (b) Tanks (c) Roads (d) Dharmehalas and other public buildings. 8. Measurement of land for building sires 9. Reclassification of Survey Nos 10. Miscellaneous Total	59 8 44 20 90	139 16 85 86 281 620	147 19 03 36 . 803 4 667 3,037	51 6 80 20 68 203	7 30 6 47 2 716	30 6 96 46 901 15 3,203 7,301	18 5 62 87 706 10 3,901	19 144 15 242 7 1,018	3 1 . 9 . 83 . 85	7 12 81 143 193 597	6 12 8 115 1 75	8 "1 52 61 1 53

The figures of this table are compiled from a monthly return (Nikálpatrak) which hitherto has been submitted direct to Mámlatdárs, but to prevent confusion in classification, this return is now received by the Mámlatdár through the District Inspector with his comments. A comparison with the corresponding table in last year's report will show that new cases have increased by 7 per cent. in the Southern and by 62 per cent. in the Central Division, an increase which the remarks made last year show to have been anticipated. The disposal of work has fairly well kept pace with its increase, for cases disposed of have risen 6 and 90 per cent. respectively in the 2 divisions. The arrears are not excessive, except perhaps as regards partitions under decree of Court. With respect to these arrears, one cause may be noticed, viz., that often detailed instructions as regards the method of partition, are lail down by the Courts which are not in accordance with the law as declared in Section 113 of the Land Revenue Code. The Commissioners agree with me that in such cases a reference back to the Court should be made for revision of the decree in this respect, with an intimation that unless the provisions of Section 113 are strictly followed, the partition cannot be made by the Revenue Department. With so large an increase in partition cases it is probable that at the end of the year, the dates fixed for partition were still in the future in many cases. It has already been noticed in para. 12 above that the increase in measurement cases has necessitated the allotment of a specific portion of the complete boundary-mark inspection period to secure their timely disposal.

In the marginally noted table the percentage of test of measurement work

	j	Numbe	R OF CASES	TESTED	Percentage of District
District.		By the District Inspector.	By the General Duty Inspector.	Total.	Inspector's test on Circle Inspector cases.
Dhárwár Bijápur Belgaum Kánara Khándesh Nasik Ahmednagar Poona Sholápur Sátára Ahmadabad		38 15 11 54 84 85* 77 28 14	not available. 5 23 33 18 90	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2·8 2·8 1·9 10·3 6·0 3·7 2·5 22·0 4·2 12·0 4·0

^{*}To be shared between the General Duty Inspector and the District Inspector. Details not given.

done by Circle Inspectors is shown, the test taken by the General Duty Inspector being taken as equivalent to that taken by the District Inspector. In the Survey Department a 10 per cent. test is considered essential, but the last column of the table shows that except in three districts the test was In Bijápur and Belshort. gaum the General Duty Inspector was wholly employed during the field season in original measurement and other work. This should, if possible, be avoided. In other districts the test by the District Inspector

was made with the General Duty Inspector. It is important that the Divisional Inspector should arrange that deficient test in one year should be made up in the next. The percentage taken in Poona was more than necessary. As far as the test was made, it showed satisfactory work by the Circle Inspectors, though in some districts the work done by trained measurers of the Survey Department, now Circle Inspectors, was inferior to that accomplished by newly trained Revenue Subordinates. This of itself proves that the test is insufficient to ensure that all work shall be done under fear of test.

14. The amount brought to credit on account of pay and allowances of In-

District.		Amount.	District.		Amount.
		Rs.		•	Rs.
Dhárwái Bijápur Belgaum Kánara	•••	240 129 193 157	Khándesh Násik Ahmadnagar Poona Sholápur Sátára	644 644 644	47 233 200 357 335 615
Total	114	719	Total	••	1,787

spectors employed on paid work on behalf of private individuals is shown marginally. The totals show an increase of nearly Rs. 900 over last year. I am not satisfied that the sum recovered is sufficient. Government have the right to charge the full cost of work done where it cannot be claimed as a right by occupants. The charges to be made have now been regulated by Government orders, and instructions have

been issued to District Inspectors which will secure more substantial recoveries.

Miscellaneous work.

15. The miscellaneous work done by the Inspectors is shown in the table below:—

	Southern Division.				CENTRAL DIVISION.				Northern Division (Ahmadabad).			
Classes of cases,	Arrears on Sist July 1893.	New cases re- celved.	LASCE	Balance on Slet July 1894.	lan Glat	New cases re- ceived,	Cases	Balance on 31st July 1894.	Arrears on 81st July 1893.	New; cases re- ceived.	Cases disposed of.	Balance on Slat July 1894.
Prescribed by Rules Not prescribed by Rules		5,870 783	5,802 834	985 5 4	398	3,232 861	3,119 903	511. 92	73 86	258 140	264 158	67 20
Total	1,002	6,053	6, 636	1,019	532	4,093	4,022	603	109	898	420	87

As stated last year, these figures practically show the correspondence work done by Circle Inspectors, that is, reports made on reference to them. I have again shown how large a proportion of this work has been imposed on the Inspectors by Mámlatdárs in contravention of standing orders. In some districts there is an appreciable improvement in this respect, but in Bijápur, Poona and Ahmadnagar the improvement is very small, and in Kánara, this unauthorized utilization of Circle Inspectors has actually increased. In all districts the Collectors have given strict orders that Circle Inspectors should not be employed on duties not prescribed in the rules, and the continuance of cases not prescribed by the rules, can only be viewed as wilful disobedience to the standing orders on the part of the Mámlatdárs.

District Survey Offices.

16. The work done by these offices is tabulated below :-

	•			Number of cases		BER OF RBANDS,	Number of Maps	Maniperor		Number
	District.			received necessitat- ing correc- tion in Sur- vey Papers.	Correct-	Remaining to be corrected on 1st August.	and Field Books correct	from Field Books sent to Circle		supplied to Vil- lage Officers.
										
Dhárwár	•••			90	45].]	644	1,279	1,068	369
Bijápur	•••	•••	•••	75	75		600	298	'1	133
Belgaum			•••	37	46	l l	251	727	124	95
Kánara			•••	78	130	15	828	661	219	184
Khándesh				119	56	12	234	102	157	21
Nasik	•••		•	242	137	91	499	•••	4,243	60
Ahmadnagar	•••	•		139	162	8	210	511	140	63
Poona		•••		264	146	4	309	148	541	63
Sholápur		•••		34	32	2	32	306	298	85
Sátára	•••	•••	•••	20	19	1	19	226	143	17

Akárband correction has been done promptly except in Násik where the arrears are excessive. The figures are somewhat doubtful. Last year in Kánara the number of survey numbers for which corrected ákárbands were required was shown instead of the number of ákárbands to be corrected. Further, it is not certain whether column 3 includes the arrears of the previous year or not, in some districts; it clearly excludes them in others. The form requires amendment to show how far arrears have been disposed of. Column 6 has been left blank for two years successively in Násik which points to some misunderstanding not explained. An important modification as regards the arrangement of records has been made, in that, to facilitate correction, the papers of each village, both in the A and B divisions of the records have been put together. This rearrangement has been completed in the Bijápur District and is progressing rapidly in other districts, except in Ratnágiri where it has first to be decided what papers are to be kept permanently.

17. Duplication of Survey Records.—Special sanction for duplicating the field classification book was accorded; about a quarter of the work has been finished in the Southern Division at a cost of Rs. 2,830. In the Central Division this duplication had been mostly effected before the transfer of the records to the Revenue Department; what remains to be done is being done by an allotment from a similar grant for duplication of records sanctioned in the Survey Budget.

Fee receipts for work done in the District Survey Office are exhibited below in a classified form:—

•			•			FEES ON A	ACCOUNT OF S	UPPLY OF	Fees for	
•	. ,	. District.	· •	•	•	Extracts from Survey Papers to applicants.	Extracts from Survey Papers to Circle Inspectors.	Village Maps.	maki ng corrections in Survey Papers.	Total.
		•	•			Rs.	Rs.	. Rs.	Rs.	Rs.
Dhárwár Bijápur Belgaum			***	•••	•••	3	106 29 64	466 43 57	13 	632 75 123
Kánara		PPA	P1 1		•••		213	33	•••	246
•				Total	•••	52	412	599	13	1,076
Khándesh Násik Ahmadnags Poona Sholápur Sátára	 Ar	1 *** *** *** ***	0.00 0.00 0.00 0.00 0.00	***		30 42 1 13 3 29	1 157 134 222 298 242	14 15 37 154 25	11 19 23 21 5 15	56 233 195 410 303 311
				Total	•••	118	1,054	245	94	1,511

Up to the present time no fee was charged for the corrections entailed in the survey records by sub-divisions and partitions made at the request of occupants for their convenience. The order that such fee should be levied has apparently not been attended to in the Southern Division except in Dhárwár. The charges shown in column 3 of the table are only permitted when they can be charged as expenses properly and reasonably incurred in refixing or replacing boundary-marks displaced or missing through negligence of private occupants.

The total recovery on account of fees has increased on the whole from Rs. 1,263 to Rs. 2,587, but the greater part of the increase comes from the Central Division where the Circle Inspector staff is new.

Ratnágiri.

18. The number of Inspectors has been raised from 18 to 26, that is, the full staff proposed has now been introduced with the reduction of one Inspector. In the two talukas of Malvan and Vengurla, the Inspectors have done regular duties. The other Inspectors were massed in Devgad and Rajapur to take the special test of boundary-marks required by rule 104 of the Rules under the Land Revenue Code from January to the end of May. Up to the end of December they were employed on miscellaneous measurements and other technical work. In the rains, the work of duplicating measurer's field books, necessitated by the destruction of the waslewar books (vide clause 8, para. 16 of the Annual Report for 1891-92) was continued. A General Duty Inspector was appointed from February and was employed throughout the field season in classing an alienated village.

The following table shows the amount of crop and waste inspection performed by the Inspectors of Vengurla and Málvan:—

No. of Vill		s in the	. CROP IN	BPECTION.	Waste In	ESPECTION.		
Cir	ole,		Number and A Nos. in	res of Survey spected.	Number and Area of Survey Nos. inspected.			
Total.	Total.		Number.	Атеа.	Number.	Area,		
60 Percentage	•••	55 77	1,388 9·3	Acres. 10,020 6·4	75 21	Acres. 824		

The number of villages shown in column 1 exclude khoti villages where village Form 3 is not kept. The percentage of waste inspection on area is inadequate; 82 encroachments were detected, of which only 3 had been reported by the village officers. As to the result of the inspection, the estimate made by the village officers was only found fairly correct in 11 per cent. of the numbers, while 96 per cent. of the marks found out of repair had not been so shown in Village Form 3. The outturn of marks inspected daily averaged 38 against 64 last year. The decrease is due to an order directing the inspection to be confined to marks which come within the scope of complete boundary-mark inspection. 27 per cent. of inspected marks were found out of repair, but during the interval between the first and second inspection, 86 per cent. were repaired, 35 missing marks were replaced after measurement, and 58 encroachments were detected. It may be noticed that the encroachment cases are far fewer than in the previous year.

Census.—The village census was checked in 53 villages as against 10 last year; of the rest 13 are either uninhabited or keep no census register. Partition cases are dealt with in this district by a separate establishment of watap surveyors. 478 measurement cases as against 419 last year were disposed of by the Circle Inspectors. The arrears of measurement cases have increased from 35 to 113. The District Inspector found a considerable improvement, both in the amount of inspection and in its quality.

District Survey Office.

Number of cases	Number of	ÁKA'RBANDS.	Number of	Number of	Number of ex-	Number of
received necessitating correction in Survey Records,	Corrected.	Remaining to be corrected on 1st August.	Maps and Field Books	extracts from Field Books sent to Circle Inspectors.		Managnantial
1 ·	2	3.	4	5	6 .	7
500	118	265	210	24	121	44.

Akarband correction has fallen still further into arrears, partly because the Divisional Inspector rightly insisted on the disposal of arrears in the regular order. The Collector personally examined the office and found its condition unsatisfactory. The Head Quarter Assistant was warned and the District Inspector ordered to keep a close supervision over the work of the office.

In future reports the figures for Ratnágiri will be incorporated with those of the other districts of the division.

19. Divisional Inspectors.—Mr. Young took leave for a year from March and was replaced by Mr. Forbes, whose services were lent by the Gujarát Survey. Mr. Lushington also took leave for 3 months in August, an Assistant Collector, Mr. Swifte, taking his office. The following table requires little comment:—

	Number Of Táluras.	of Circles.	CROP, V AND B ARY-I INSPEC	OVND- Mark	Both	PLETE NDARY- ARE ECTION:		1Å8- 1 7 0,	s tested (No.	th Registers ed entrice.)	es in which teturns were
District.	Total. Visited.		Daftars examined, In how many grand Circles,	Surrey Nos.	In how many Circles.	Marks tested.	In how many Circles.	Burvey Nos.	Annual Census tested of entries)	Birth and Death (No. of tested	No. of Villages in whe Statistical Returns we checked.
Southern Division. Dhárwár Bijapur	11 6 4 7 8 8 3 9 3 43 18	24 23 6	10 8 5 10 5 10 4	17 19 16 52	 1 5	245 182 427	3 1	16 :: 4 :: 20	297 100 :: 397	28 ₂ 	19
Total past year Central Discision.	43 . 15		47 22	129	11	1,800	- 6	11	:	-:-	
Khandesh	16 1 12 4 11 4 8 2 7 5	48 85 33 23 19 32	2 9 4 4 9	29 86 25	1 7 3 	40 134 44 16	 8 1	••	80 110 45 59 28	79 70 49 66 49	00 10 20 00 00
Total current year	65 18		31 11	90	11	234	6		322	206	

The urgent settlement duties of the Divisional Inspector made it impossible to inspect Ratnágiri this year. No test of the crop registration was made in Khándesh, Násik and Sátára either during the year under report or the previous year. In Sátára no field work at all was inspected, as a serious amount of time was taken up in enquiries as to pátasthal assessment complaints in the Shrigonda táluka of Ahmadnagar which prevented any but tests in the neighbourhood. Later on in the season the test of the complete boundary-mark inspection was impeded by the necessity of visiting a village in the Mádha Táluka of Sholápur to take a regular test of measurement and classification preliminary to settlement. The test of measurement work done by Inspectors is so scattered that it has principally to be left to the District Inspectors, but the Divisional Inspectors carefully and systematically scrutinize the returns in each case. But in the cases where the District Inspectors are not experienced special attention was paid by field test. The District Inspectors of Sholápur and Ahmadnagar have now been declared fit to take independent test of measurement, while those of

Dhárwár and Kánara must still have the assistance of the General Duty Inspector. The work done by the Divisional Inspectors is perhaps a little less than in the previous year, not on account of diminished activity and energy, but by reason of unavoidable interferences.

All the District Survey Offices were examined by the Divisional Inspectors and more attention was paid to the examination of the records kept by Circle Inspectors. Memoranda of inspection were drawn up in each case and submitted to the Collector with such comment as appeared to me to be called for on my part. A useful form for reporting the results of examination of District Survey Offices with uniformity was introduced. Further a special form of report to make the Collector early cognizant of gross mistakes and negligence and the Divisional Inspector of the action taken by the Collector was approved by the Commissioners.

20. It appears desirable to summarize the opinions expressed by the Divisional Inspectors formed by test and returns:—

Central Division.—" Crop, waste, and boundary-mark test by Circle Inspectors generally satisfactory but little appreciable improvement on the part of village officers. Less improvement even in respect to the annual cattle census, but birth and death registers better kept. The condition of the District Survey offices is satisfactory, except the combined Násik-Khándesh office at Málegaon, but the laxness will disappear with the removal of the records to the immediate charge of the District Inspectors. As to the District Inspectors, Mr. Kirane (Sátára) has very carefully reviewed the returns. His review is full and quite to the point. His suggestions have always been judicious. Mr. Padhye's (Poona) review is unnecessarily prolix, although it contains some good suggestions and bears testimony to his zeal and ability. The reviews by Mr. Jacob Bápuji and Mr. Jagde (Khándesh and Sholápur) are generally satisfactory. Mr. Phadke (Ahmadnagar) is wanting in method in his report."

Southern Division.—"There is a decided improvement in both field and book work among Circle Inspectors. The condition of the District Survey Offices is satisfactory, except Ratnágiri, where the correction work is greatly in arrears. More method has been insisted on. The District Inspectors have worked with energy, except Mr. Limaye of Belgaum, who has been lax in his measuring tests."

21. Revision Settlement.—The proposals by the Divisional Inspector, S. D., for a small enhancement of rates in the Haliyal Taluka of Kanara, made last year, were considered premature by Government, and current rates were reguaranteed till 1905-06, by which time the effect on the tract concerned of the improved railway facilities will probably be more apparent. Current leases will expire in the Khed Taluka and the Mandangad Peta of the Ratnagiri District in the coming year. Preparation for proposals for the new lease demanded a lengthened tour in the district by the Divisional Inspector. He also settled a boundary dispute in the Chandgad Mahal of Belgaum.

In the Central Division, the Divisional Inspector submitted a settlement proposal for an isolated village in the Chopda Táluká of Khándesh. The settlement was sanctioned and introduced. The measurement and classification of an inám village in the Mádha Táluka of Sholápur were conducted by Circle Inspectors, and tested by the Divisional Inspector, who is preparing settlement proposals.

The Divisional Inspectors made crop experiments under the rules which will be noticed on in the Crop Experiment Report. They also paid close attention to the Circle Book compilation, the slow progress of which is commented on in Section II.

22. Superior Test by Sub-divisional Officers and Mámlatdárs.—Though the inspection return submitted by Mámlatdárs and officers in charge of sub-divisions has been amplified in the manner described in paragraph 11 of last year's report, by order of the Commissioners, the test taken of the work of Circle Inspectors has not been separately shown in the Dhárwár, Khándesh and Kánara Districts.

The extent of the test made in all the districts except Ahmadabad, where the return has not yet been prescribed, of the various duties of Circle Inspectors is shown thus:—

•		DIVISION	al Officer	Мам	LATDÁRS, AND	Manálkai	119.					
•	Subject of test.											
District.	Crop record.	Boundary marks.	Village Census.	Vital Statistics.	Crop record.	Boundary marks.	Village Census.	Vital Statis- tics.				
	No. of Survey Numbers,			No. of Register entries.		Survey abers.	No. of Register entries.					
Belgaum Bijápur Ratnágiri	· 203 258 121	214 444 227	70 337 89	45 235	1,229 265 54	1,361 290 191	1,163 117	660 35 0				
Sátára Sholápur	450 203	412 187	98	98	971 122	1,313	453 	600				
Ahmadnagar Násik Poona	289 98 175	581 187 233	471 94 61	432 643 124	318 389	792 517	95 178	253 596				

Where the entries are blank, the figures are not distinguished from the figures of the direct check on the village officers. In Ratnágiri the figures are only for two tálukas, others not possessing a village staff. In Sholápur the Mámlatdárs of Sángola and Sholápur took a test of the entire Birth and Death Register in 38 villages, and the subdivisional officer a similar special test in 123 villages. In some districts the extent of the test over Circle Inspectors by Mámlatdárs is evidently inadequate. The results of the test made will be gathered from the general remarks by Collectors which are quoted in extenso in the next paragraph.

23. I now append the remarks made by the Collectors on the working of the Kanungo staff during the year in their administration reports or in memorandums forwarding the annual returns relating to the Circle Inspectors' work.:—

Dhárwár.—"These results are much the same as they were last year; and show, as I stated last year, 'the usefulness of these agricultural departmental subordinates and the altogether untrustworthy nature of the village officers' work'. On the whole, the work, done, by the Circle Inspectors was satisfactory; and their work was efficiently supervised and checked.

"I may note in this connection that I was serving as Assistant in this district ten years ago, i.e., from December 1879 to March 1885. I noticed, since then, a marked change especially in two matters, (1) the holes dug close to boundary marks for earth for repairs. These holes everywhere disfigured the face of the country and endangered the safety of the boundary-marks. Such holes are now rarely to be met with. (2) The increase (temporary, no doubt, but very considerable) in the number of cases, about encroachments on the village site, roads, Government waste lands, &c.

"This is unquestionably due to the action of the Circle Inspectors. It is satisfactory that, in many matters, of which the above two are only examples, the new system has already borne permanent good fruit. The system was introduced here in the rains of 1884. The Pátils, Kulkarnis up till then, did not trouble their heads as a rule over the boundary mark inspection; while the inspection of Mamlatdar and General Duty Karkuns was superficial. Their neglect, in this particular matter of pits and holes by boundary marks, caused me as Assistant much trouble and labour, that seemed thrown away. Now such inspection is one chief duty of Circle Inspectors; and village officers cannot well now shirk their duty, wholesale, as they used to do. While in the other matter, comparatively few encroachments on Government land used to come to light; and, when they did come to light, it was, as a rule, through accident. This is quite changed now; and has caused, a considerable though temporary increase of work."

Bijápur.—" The staff of Inspectors as a whole, however, is not very satisfactory, but it is not easy to get it improved as inefficient men are not wanted elsewhere. * * * The District Inspector has performed his own duties throughout the year energetically."

Belgaum.—"The Circle Inspectors were employed during the year on the duties prescribed under the rules and the amount of work done by them is expected to be on the whole satisfactory. * * * My slight personal acquaintance with the working of the Circle system and my recent arrival in this district make me diffident in venturing to offer any opinion on the subject. But I cannot help thinking that perhaps too much is expected from the Circle Inspectors and that the prescribed quantity of out-door work, can, in most instances, be done, if done at all, only in a hurried and perfunctory manner. I

am led to believe that a lighter task would probably be better done. However this may be, the admitted unpopularity of these out-door duties and the uniform failure to work up to the prescribed standard are significant facts for which some good but unexplained reason must exist and which it will be my endeavour hereafter to discover. The success of the sytem depends a good deal on the character and qualifications of the District Inspector. This district has been unfortunate in the officer selected to fill that important position and I have lately recommended his transfer to some post more congenial to his tastes and suitable to his capabilities."

Kánara.—" On the whole I think they (Circle Inspectors) work as well as might be expected, but instances of neglect are not unfrequent. Mr. Shesho Shriniwas, the new District Inspector, displayed great activity and did a great deal towards getting the arrears of partition cases cleared off, and his work and energy deserves a special commendation."

Ratnágiri.—The present Collector, Mr. Doderet: "It is apparent that there is room for improvement in the work of the Circle Inspectors. Mr. Dhume has satisfactorily supervised their work during the year under report and made them work better in some respects than in the previous year."

Mr. Drew.—"Village officers there are scarcely any: I do not think that I have fined any, but several Circle Inspectors mostly 5 or 10 rupees at a time. They have not yet discovered that they have to keep to the rules, and that more regularity is required from them than from the old Bhág-kárkuns. In Vengurla and Málvan they work as in other districts, with a special routine for the district. The rest were employed in copying tipan books until November. Then some were sent to each táluka to dispose of prakarnas till end of December or later in some cases, and after that they were employed in Devgad and Rájápur on boundary-mark inspection."

Khándesh.—"The examination of birth and death registers, &c., was regularly done and on the whole the Inspectors have worked well. But there are not enough of them. There ought to be 2 or 3 spare ones to take the places of those ill or on leave. * * * Mr. Jacob Bápuji has worked keenly himself and makes, I think, a good head to the establishment in the district. * * * The Mámlatdárs have not yet, I think, thoroughly realized their relations towards the Circle Inspectors and their duties in the way of supervising them, but I hope that things will be better in this respect during the coming season."

Násik.—"I observe that remarks are made that Circle Inspectors are not of as much assistance as they might be. My experience of their work being limited to only a few individuals, I offer my observations with the utmost reserve. I venture to think that while they are already useful in survey work where such is necessary and in reporting encroachments and irregularities their chief use will be in training the village officers and particularly the Kulkarnis to more systematic and accurate work. In other words the use of a Circle Inspector lies rather in teaching a Kulkarni to do the work well than in doing bits of the work well himself. To take an example from their first duty. Both kharif and rabi crops are sown in rows with another crop either separate or sown in the third, fourth &c., up to say, the ninth row, or there may be a sprinkling of one crop throughout a main crop or edge or corners or portions sown differently. I found that the Circle Inspector worked on a rule and that the half dozen fields he had done were elaborately down in his field book. When I turned to the Kulkarni he had become nothing the wiser from the Circle Inspector's visit. The Kulkarni had treated the respective areas of half a dozen fields sown with the same main crop and at the same regular interval with the same subsidiary crop in half a dozen different proportions and would do the same next year. It was perfectly easy to teach him to take a definite proportion wherever he found a field under those conditions. Under their agricultural enquiry Circle Inspectors make painstaking notes, but the practical result of their usefulness would be more speedily evident if for each village they drew up the few simple main rules necessary to attend to when estimating crop areas, submitted them to Mamlatdar and so to Collector for approval, and the Kulkarnis were taught to work by these rules. It requires no more skill or time to use an accurate fraction than an inaccurate one. I refrain from doing more than allude to the subject."

Ahmadnagar.—"The work of the Circle Inspectors and village officers shows improvement and is generally good. Any irregularity on the part of Circle Inspectors and village officers brought to notice by the local officers is immediately inquired into and dealt with on the merit of the case. There appears to be sufficient check over the work of this class of officers and as besides all is prescribed to be performed within a fixed period they have no means of neglecting it. * * The six months that Mr. Phadke has held office the Collector has found him working hard and moving actively in his charge and has replied to references referred to him with punctuality."

Poona.—"It is now more than two years since the new system of agricultural inspection was introduced into the district and on the whole it may be said to be working well. * * * The work of the Circle Inspectors themselves has been satisfactorily supervised by the District Agricultural Inspector and by the

Mámlatdárs and the Assistant Collectors. I consider the Circle Inspectors a very useful class of Government servants and it is to be regretted therefore that they do not as a rule like their work, and that it is generally looked upon as too hard. It is rather soon yet to give a definite opinion, but I incline to think that the staff is undermanned. * * * Of the District Agricultural Inspector Mr. Pádhye I am glad to say that he continues to work to my satisfaction."

Sholdpur.—"It is now two years since the introduction of the Circle Inspectors' staff into this district and I am in a better position for giving an opinion on the manner in which they have as a class worked during the period. I think they have performed their duties satisfactorily and the Divisional and taluka officers who send me monthly returns of the test taken of their work are of the same opinion. The General Duty Karkuns, part of whose work is now done by the Circle Inspectors, were as a body untrained in the duties of measurement and classification. The work of partition which had hitherto been performed by the Huzúr Surveyor alone and which was certainly more than one man could punctually and efficiently perform, is, however, still somewhat behind hand, but it is to be hoped that improvement in this respect will follow as the men become more familiar with their duties and the routine of the Department more settled. * * * The transfer of Mr. Jacob Bapuji was a great loss to the district. Mr. Jagde, who has succeeded him, is not yet fully qualified in survey work, but he is intelligent, hardworking, and I am quite satisfied with the way in which he has performed his duties."

Sátára.—"On the whole the agricultural staff has shown increased efficiency during the past year, though, as was only to be expected, there is much room for improvement. From what I have seen of the District Inspector Mr. Kirane's work I think that he takes much interest in it and does his best to raise the standard of work among his subordinates. * * * I may mention that some of the Circle Inspectors who have been drafted from the Revenue Department do not take kindly to their work and would return to their former duties if allowed to do so. This, however, is only to be expected when the change from the sedentary work of the Revenue Department to the field work of the Agricultural Department is borne in mind."

Ahmadabad.—"The Circle Inspectors not being supplied with a Gujaráti translation of the Circle Inspector's Rules, their work was not systematically done. During the current year, however, a great improvement is expected in it. The settlement of the question as to where the survey records should be located has been a great hindrance in the work of the agricultural staff. In November the work of the District Inspector as such commenced. Since then up to the end of June 1894 he inspected 45 villages in which he took test of the Circle Inspectors' work of inspection of crop, waste land and boundary-marks. He also settled some boundary disputes. In two cases, one of bhátta land and the other of river-side land, he was deputed to make survey of lands."

I have no special comment to make on these remarks except that it is evident that the Revenue Officers are taking far more interest in the work of the Inspectors and are therefore showing appreciation of the special organization. I still think that the system of recruitment demands radical change and trust that the comments made in paragraph 19 of my last year's report will be discussed by the Commissioners in Committee when the Collectors have reported on them to the Commissioners.

II.—ANALYSIS OF DISTRICTS WITH REFERENCE TO SECURITY FROM FAMINE.

- 24. Bombay Famine Code.—The code was drawn up in 1883 by a committee on which I served as Secretary. A revision committee appointed at the instance of the Government of India, of which I was a member, met in January 1894 and submitted a revised code, which has met with the approval of the Government of Bombay.
- 25. Circle Book.—This compilation corresponds closely with the Pargana Book of the North-West Provinces and was accepted at the Simla Conference as a satisfactory method of ledgering village statistics. The duty of annually compiling the required figures is imposed on Circle Inspectors and the distribution of printed forms has been limited to districts equipped with that staff, save that in Ratnágiri only two tálukas have a village staff, without which it is useless to attempt the Circle Book. The information is all available from táluka and village registers and, therefore, the compilation is made at the táluka head-quarters in September and October. The progress made is not great; for, the distribution was rather late and some doubts were raised as to the method of

compilation. Still, I think that more should have been done. Most progress is reported from Bijápur, Belgaum and Poona. I propose next year to show progress in a tabular form.

III.-COLLECTION OF REVENUE AND RENTAL IN PRECARIOUS TRACTS.

26. Owing to the good rabi season, following an average year, there was . no necessity to adopt measures under the Famine Relief Code except in Nasik, "where two or three road works were conducted in and near the Peint taluka to afford relief to persons reported to be in want of work owing to the short crop of nágli," the principal food grain of the táluka. No remission was required on account of failure of crops, and the revenue was collected with even more ease than in the previous year, the number of notices served declining appreciably. There appears a striking contrast with respect to the practice of issuing notices in the marginally named districts

Násik. Ahmadnagar. Poons. Sátára.

as compared with the other Deccan and Karnátak Collectorates. In the latter notices are unfrequent and bear an insignificant percentage on the number of revenue payers, but in the former the reverse is the

case. Thus in Poona six occupants per hundred received notices and in Nagar nine; while in Sholapur and in the Karnatak the percentage nowhere reached one per cent. This may be, to a small extent, accounted for by the more provident and independent character of the Jain and Lingáyat cultivators of the Karnatak, as compared with the Deccan Kunbis. But speaking generally the contrast cannot be due to a difference in climate or material conditions. For Sholapur, for example, is far inferior in these respects to Satara. The contrast is worthy of consideration by the Commissioners. The number of distraints of moveable property fell from 416 to 115. In Bijápur, the Collector attributes a fall of 81 per cent. to special injunctions that the village officers should remind the occupants of their responsibilities. In Satara there were 45 distraints, all of which were removed except one. On the other hand, the number of cases in which a fine was levied under section 148, Land Revenue Code, rose from 9 to 58, the increase being conspicuous in Sátára and Bijápur. In the former district it was found necessary to exact these penalties from certain persons in the Karád táluka, who, though well-to-do, deliberately neglected to pay their assessment in proper time. In the latter district, occupants in the Sindgi táluka have established a habit of keeping back their dues until they are pressed and a lesson was needed.

In a very few cases (19 as against 15 in the previous year) land was fortested. Bijápur (11 cases) and Násik (8 cases—acres 484, assessment Rs. 329) were the only districts concerned. The Bijapur forfeitures were the result of the previous year's outstanding balance in Sindgi and were unavoidable as it was shown that the holders no longer possessed adequate means for cultivation.

IV.—MEASURES OF PROTECTION, including:-

- (1) Fodder Reserves and Arboriculture,
- (2) Extension of Communication,
- (3) Irrigation.

(1).—Arboriculture.

Ba'bhul Plantations.

The subject of fuel and fodder reserves was dealt with by Dr. Voelcker in his report as a subject of prime importance. His recommendations are in accordance with the efforts made by the Agricultural Department as far back as 1883-84, which were approved in the Government Resolution referred to in paragraph 12 of my report of that year. I have not ceased to press the matter on the attention of District Officers. A perusal of the marginally quoted paragraphs of my annual reports will show how little has been done. Ahmadabad alone appears 1886-87, para, 33. how little has been done. Ahmadabad alone appears to have recently taken adventage of the concessions.

Report 1884-85, para, 33.
, 1886-87, para, 12.
, 1889-90, para, 22.

to have recently taken advantage of the concessions offered in favour of babhul plantations in Government

Resolution No. 6282, dated 5th August 1892, and now has about 6,000 acres of unassessed waste under babhul, where the produce is shared between Government and the lessee in the proportion of 11 to 5, the lessee meeting all the expenses incidental to cultivation, fencing, &c. The demand for babhul fuel for the flourishing mills of Ahmadabad is increasing and acts as a stimulus to the formation of these fuel and fodder reserves. Government has again declared its readiness to grant concessions in assessed land, when occupants are willing to establish bábhul plantations.

(3).—Irrigation.

- 28. The scarcity of 1891-92 has induced further consideration as to methods of affording protection against scarcity. Government has again pressed the necessity for the inclusion in the programme of relief works of petty irrigation schemes, such as small tanks for direct irrigation as well as for supplementing the water-supply of wells by percolation, and for the strenuous encouragement by takávi advances of the construction of wells.
- 29. Apart from the high cost of manuring and of weeding, which of itself often prevents the ordinary rayat from utilizing existing facilities for irrigation, saline efflorescence is an evil attendant upon irrigation in black soil which the cultivator has to contend with. This is a question of large importance in upper India, but even in Bombay it is of sufficient importance to demand study. In Dhárwár a considerable area of land irrigated by the Asundi Tank has deteriorated. Drainage is being tried. The reh patches under the Nira and Mutha Canals have been inspected by the Agricultural Chemist to the Government of India, and samples of soil and water taken for analysis. Dr. Leather will 1. Prosopis glandulosa (Mesquit bean). revisit these lands in January next. In
- 1. Prosopis glandulosa (Mesquit bean). 2. Broussonetia papyrifera (paper mulberry).
 3. Atriplex numularia (salt bush).
 4. Sesbania Ægyptiaca (Jait).

- 5. Barilla.
- 6. Date-palm.

the salt lands of Kaira, the marginally noted trees which are reported to have grown with some success in the usar lands of the North-West Provinces were tried, but so far without success. In Karachi the paper

mulberry has been grown in salt land, but it does not seem to have effected any improvement in the soil. An application from the Deccan Paper Mills for canal water at a reduced rate for experimental cultivation of sabai grass has been favourably entertained, the concession being limited to fifty acres for five years at half lucerne rates with certain conditions. Of the seven drainage channels in the Vágra and Jambusar tálukas of the Broach district, the construction of which was sanctioned in 1886 (paragraph 36 of the report for 1885-86), three channels have been completed and Government have expedited the completion of the remainder.

V.—AGRICULTURAL EXPERIMENTS, INCLUDING FARMS.

A.—Experimental Farms.

Poona Farm.

The report for 1893-94 was published early in October.

As noticed last year the primary object of the farm is instruction to the agricultural students of the College of Science. It is also a dairy farm on which large attention is rightly devoted to the growth of fodder, to compare outturn, cost of cultivation and feeding value of the best fodder crops and to fix a rotation between cereals and pulses, suitable for adoption on a pure dairy farm. Among the sorghums, the sundhia (S. cernuum), introduced from Gujarát, has maintained the high position assigned to it last year, though the common Deccan variety (nilva) ran it close. Reana Luxurians or teosente was slower in growth, and apparently takes more out of the soil. A large quantity of sundhia seed has been sent from the Nadiád seed-store for sowing on the Ahmadnagar and Bábugarh Remount Farms. Two varieties of dolichos (val and chola, D. lablab and D. catiang) are excellent rotation fodder crops to alternate with the millets.

Imphee (S. saccharatum) is inferior as a fodder millet, but its value, despite its inferiority in yield, has yet to be gauged when feeding experiments are instituted. This remark applies with greater force to two introduced American sugar sorghums, Amber and Collier, which are under trial as sugar-producers in some special cane experiments to be noticed presently. Guinea grass is the best continuous fodder crop when ample water is at hand. Further experience points to a confirmation of the opinion given last year, that the mixed crop of guinea grass and lucerne will prove of great value. By itself lucerne cannot combat its enemies. Its cultivation in the neighbourhood of Poona is declining, and no doubt will decline unless some check to its liability to disease is found. Where low damp land is put under fodder, the newly imported Mauritius water-grass will succeed. It does not compete on equal terms with guinea grass, where canal irrigation is available. It is the chief fodder grass of Ceylon, and has shown its worth under suitable conditions in India.

Mr. Mollison has proved that the giant variety of bájri common in Gujarát can to a certain and perhaps a large extent supersede the ordinary Deccan variety. It yielded 20 per cent. better than the local bájri, but seems to demand good land, while bájri is the Deccan kharif cereal for thin land.

Three species of wild cottons are under trial, G. arboreum from the Punjáb, G. stocksii from Sind, and G. wightianum from West Rájputána. A fourth variety, recently discovered by Dr. Watt, will be added. Practically nothing is expected from these trials, but they may nevertheless throw light on the history of cotton in India.

The propagation of potatoes from the absolute seed has reached the fourth year, and there is promise of valuable varieties, but the tubers have not yet reached full size.

Further dealings with cotton and potatoes on the farm will be more appropriately dealt with under the special sections assigned to these important subjects.

An especially important series of experiments has this year, with the confidence that due assistance will be received from the Agricultural Chemist, been inaugurated on suitable land at Mánjri, 8 miles from Poona. Cane is interdicted for sanitary reasons on the farm, which also is unsuited for careful comparative trial. It is better too to study cane in the centre of cane cultivation, so that valuable results may secure prompt imitation. It would be out of place here to discuss the objects of the trials in detail. The printed farm report must be referred to. It is sufficient to say that we have now taken up an investigation in which many capitalist farmers are interested all over India. The attempt is more ambitious than any trial hitherto undertaken. The objects may be enumerated:—

To study the most economic system of manuring cane, and especially to ascertain the most profitable manner in which bone manure can be used; to test various methods in cultivation whereby the yield of sugar may be increased; to acclimatize newly imported varieties of the sugarcane from Mauritius, and to compare sugar sorghums with cane as sugar producers. With the co-operation of the Irrigation Department, the economic utilization of canal water has been included among the subjects of trial.

Dr. Leather has promised cordial assistance, and it is clear that the assistance of chemical analysis is of great moment. But it has not so far been within his power to meet the demands of the trials with requisite promptness. As the investigation was commenced with the approval of the Simla Conference of 1893, I look to the Imperial Department of Agriculture to ensure satisfactory conduct of the trials, as far as the help of the Agricultural Chemist and his Assistant is essentially necessary.

The Dairy.

31. The working of the Poona Farm as a model dairy farm has been most satisfactory during the year under report. It was not till the close of the year that possession of the stock farm at Mánjri as an adjunct to the Poona Farm was secured, but in spite of the heavy cost of feeding dry cattle and young stock at Poona, the financial results of the dairy were very good. The profits of the dairy more than met the whole cost of the Poona Farm, and as the Mánjri station will more than pay its expenses, I think that it will be admitted that no charge of extravagance can be brought against the Department.

One object of the dairy has been secured. It is evident that with good management pure dairy farms will pay in India. The initiative taken by the Department with respect to improved methods in dairying has already had farreaching results, and has stimulated private enterprise in many directions, but it will not rest till private dairy farms have been opened by capitalists.

The ultimate object is the improvement of milking breeds of cattle. Results in this direction must be necessarily slow, but possibilities are great as can be judged by the recorded yields of well selected buffaloes and cows under liberal but judicious feeding. Nevertheless, it is not supposed that the bright future will come when even village cows will yield abundant and rich milk. The future of improved milch breeds depends on the extension of dairy farms, on which alone profitable management of improved milch animals can be guaranteed.

Surat Farm.

This farm is to replace the Bhadgaon farm, the disposal of which was noticed last year. A small area of 14 acres, as the nucleus of a farm on the model of the Poona Farm, has been purchased close to Surat. Other land will be rented, and special trials will be made in the neighbourhood, where the results will be best in evidence. In fact the establishment of stations such as the Mánjri station, within a distance to allow of supervision and control from the main farm, is considered preferable to the establishment of large farms, where some trials at least must be conducted under unsuitable conditions. The land which has been bought is under fallow cultivation, and the stocking of the farm has been postponed till April on account of want of budget provision. The conditions of Super differentially in some conditions of Super differentially in some conditions of Super differentially in some conditions. tions of Surat differ materially in some respects from those of Poona, but on the other hand the Surat breed of buffaloes is excellent, and Surat is the most suitable locality for trials with the Gir breed of milch cows which do not give results which can be considered adequate in the Deccan. The market gardening near Surat is remarkable, and may on close study suggest useful subjects for trial. But the selection of Surat was decided on account of the facilities for systematic investigation of cotton. At the same time, it is sufficiently near the magnificent cultivation of Navsári, Gandevi and Bulsár, to place those tracts within its ken. Surat is within range of a greater variety of cultivation than any other city in Bombay.

Nadiád Farm.

33. The working of this private farm is carried on with the ready advice and frequent inspection of the Superintendent of Farms. There is no special result to record this year. It is hoped that the vacancy caused by the resignation of the Superintendent will soon be filled. In my opinion, no result will be satisfactory if the Committee does not provide a whole time Superintendent. The seed-store had a successful year.

Hyderabad Farm (Sind).

34. This farm continues under the management of the District Local Board which has started a dairy. A question is under consideration whether the farm area should not be converted into a Commissariat Farm.

Empress Gardens.

35. The management of these gardens remains under the Agri-Horticultural Society of Western India. Two vineries (Násik and acclimatized European), accommodating 66 vines each, have been established on the most approved methods. Sales of agricultural produce have lessened in proportion to the extension of plantations of fruit trees, which are not yet in bearing. There was also a decline in the sale of exotic seeds, owing partly to increased competition on the part of local nurserymen, and partly to the unsatisfactory germination of imported seeds. The Society has determined to obtain, as far as possible, acclimatized seed from the Himálayan seed-stores. The receipts were Rs. 5,814 as against Rs. 6,400; and the expenditure Rs. 8,619, as compared with Rs. 8,974; the net cost (Rs. 2,805) was thus within the limit of Rs. 3,000 up to which Government have engaged to make good any deficiency.

The immediate supervision of the gardens is still exercised by the Joint Secretaries Messrs. Mollison and N. Padamji, assisted by several members of the Society.

- B.—Experiments on various Indigenous and Exotic Products.
- 36. Wheat.—The further grant last year for Muzaffarnagar wheat for the Nara valley was not used owing to early closure of the irrigation channel. Only acclimatized seed was sown, and if the reported figures are correct, it would seem that further trial is not promising. This view is supported by the yield figures, and the reported greater liability of the introduced variety to weevil.
- 37. Rape-seed.—Sind has also made an effort to introduce an improved variety of rapeseed. Last year purchases were made up to over Rs. 500, and a sanction for Rs. 3,000 has been accorded this year. Results have not yet been intimated.
- 38. Cotton.—Ten acres in the Nára valley were sown with acclimatized American cotton. The experiment is not promising. The same remark applies to the seed sown in the Ahmadabad district. Suakim cotton was tried in several places at the request of a Bombay firm with unsatisfactory results. This variety was sown on the Poona Farm side by side with Broach and Varádi cotton. The latter both yielded well, but the fibre was coarse and harsh. Bolls have been selected from these crops, and also from fields of Broachi and Lália near Surat. All are sown together now in Poona. Mr. Mollison does not expect results of value, holding that the safest method of improving cotton is to pedigree each variety in its own locality by selecting the best bolls from the best plants in the ripe crop. This is the method to be adopted at the Surat Farm.
- 39. Strawberries.—The Saháranpur introductions are not thriving at Mahábaleshvar.
- 40. Indigo.—The attempts to revive indigo at Junágad and in the Mahi Kantha continue, and the subject is being taken up at Sholapur by a capitalist farmer.
- 41. Utilization of Bones.—The loss of manure by export is still on the increase, as bones (1,888 tons more than last year) have been exported from Bombay at advanced prices. Another bone-meal factory has been opened at Hubli in the Dhárwár district. Nearly half the outturn has gone to the coffee plantations in Malabár. This is a move in the only satisfactory direction towards check on exportations beyond the seas. The Mánjri trials, it is hoped, may add bone manure to the scant supply of available manure for cane. But it will have to be shown that as manure the profit exceeds the export profit. At all events, there are by-products in the bone factories, for which the manure demand is apparently to be met at a low cost. The manufacture of sulphuric acid at the Mundhwa Paper Mills encourages the hope of an early profitable utilization of bones as manure.

C.—Crop Diseases and Pests.

Potato disease.

42. The efforts made to stamp out the ring disease have not yet been fully successful. The produce of imported English seed begins to degenerate after the 3rd year in respect to its power of resistance. The Superintendent of Farms believes that farm-yard manure is a fruitful source of infection. The manure pit is also a receptacle for household refuse. With this refuse bits of diseased potatoes are sure to find their way into the pit and there multiply the disease spores to be distributed with the manure. The potatoes imported during the year (para. 30, last year's report) were grown on the Poona Farm in the hot weather with artificial manures only and the crop was absolutely free from disease, though a crop of Italian potatoes grown on clean land close by was so infected as to be useful only for immediate consumption. The monsoon crop from English seed just lifted which is intended for distribution for seed has also been grown in the same way. This crop is expected to amount to about 20 tons, all of which will be distributed to potato growers at about Rs. 90 per ton as compared with the average cost price, Rs. 250, of imported seed.

Entomology.

43. The year under report was remarkably free from insect pests, the appearance of locusts having been reported only in one or two season reports from Shikarpur and Thar and Parkar.

The Government of India have arranged for the issue of a series of Pictorial Lesson-sheets, describing the most prominent agricultural insect pests of India and intended for instruction in schools. Two sheets describing the locust and the wheat weevil have already been issued and are being prepared for distribution in the vernaculars of this Presidency.

The Government of India have also arranged to publish a complete conspectus of insects affecting crops in India. A preliminary conspectus designed to secure further information and to correct local vernacular names by which the more destructive insect pests are known, was circulated among selected officials and non-officials. Their replies have been forwarded to the Compiler.

It is also proposed, agreeably to the recommendation made by the Simla Conference of 1893, to arrange that Mr. E. C. Cotes, the Entomologist of the Indian Museum, should travel for a period of four months in the year with the object of local investigation.

D.-Takávi Advances.

44. The following table is similar to that given last year:—

			1892-93,			1893-94.	
Province.		Under the Land Improve- ment Act.	Under the Agriculturists' Loans Act.	Total.	Under the Land Improve- ment Act.	Under the Agriculturists' Loans Act.	Total.
Gujarát Deccan Karnátak Konkan Sind		154,849 85,853 25,230	9,014 16,381 26,368 10,083 106,270	29,964 171,230 112,221 35,313 138,565	17,680 81,810 320,610 32,955 56,500	19,217 18,954 3,935 12,887 57,474	36,897 100,764 324,545 45,842 113,974
Total	l	319,177	168,116	487,293	509,555	112,467	622,022

Note.—The figures for 1892-93 are those published in the Jamabandi Reports.

The figures show a satisfactory advance of 27 per cent., but it is worth notice that the increase in loans for permanent improvements is nearly 60 per cent. The fall in advances for seed and cattle is principally due to a favourable season. Such advances will of course fluctuate with season, and the progress of takávi advances towards popularity must be gauged rather by the increase in loans for lasting works. The Government takávi loans show a tendency to affect the rates of interest for private loans. This effect is checked by old debt which prevents many anxious applicants for takávi from risking a break with the Sávkár.

Lowering the rate of interest was advocated last year by the Collector of Broach, on the ground that private loans are occasionally granted on more favourable terms than Government loans when the security is good. But there is a strong reason against such a step. The ordinary establishments must be strengthened to give due attention to the increased demand for takávi and to ensure proper administration of this special work. Permanent success depends very largely on careful and systematic enquiry. Government sanctioned the charge of establishment in Belgaum in 1889-90 (see report of that year, paragraph 35) as a tentative measure. I think that it is time to ask for a distinct ruling that such a charge is legitimate, and that it should be authorized in any district where takávi loans have been popularized. The table indicates fluctuations in the various provinces. Gujarát is still behind-hand, but even here there is a fair advance. The increased demand is due to efforts made in Broach to induce rayats to take loans for seed and cattle, and in Surat to extend well irrigation. In the Deccan there is a considerable fall, especially in loans under the Land Improvement Act. The fall is most striking in Sholápur and Poona. The season was no doubt good in Sholápur, but the further explanation that the most pressing wants have been met does not seem sound. Four-fifths of the sums advanced in the Deccan were

for the construction or repair of wells. The most surprising expansion took place in the Karnátak. The present Collector of Dhárwár (Mr. Fairlie Muir) was Collector of Belgaum in 1889-90 when that district forged ahead of all others. It is also encouraging to notice that the advances were largely for permanent improvements, such as clearance of grass-bound land. In the Konkan, Kánara alone took half the total. In this district there is scope for much increase still in the direction of new spice gardens. In Thána it is urged that the land is too extensively in the hands of money-lenders and non-cultivating landlords to allow of improvement, as long as the landlords are so apathetic. The tenants dare not risk independent action. It must be stated in limitation of this general remark that there are many exceptions among landlords as is proved by the annual increment of new rice land and the extension of fruit trees in the varkas areas, but such landlords do not need to borrow.

In Ratnágiri the Collector has directed the exploitation of a dozen villages of each táluka to ascertain the reasons why takávi is not solicited. In Sind the loans are well appreciated, but the increased demand in Shikarpur and Hyderabad was insufficient to counterbalance the decrease elsewhere, attributed to the early closure of the Nára canal, and previous bad seasons.

As hitherto regularly reported, abuses of the facilities offered by the Government are inappreciable.

E.—Improved Agricultural Implements.

A5. The only implements newly tried during the year at the Poona Farm were Ransome's Turn-wrist plough and a Swedish wheel plough. It is not supposed that either of these implements will be used by the ordinary rayat. Their use is special and their value, for the heavy and speedy tillage so necessary in sugarcane cultivation, is likely to be appreciated by sugarcane cultivators with capital. The American Planet Jr. hos and plough continues to be regularly used in the cultivation of guinea grass, potatoes and cane on the Government farms. Outside the farms, the work done by the Sibpur plough is reported from Broach to be appreciated and in Karachi the Beheea mill is finding purchasers.

F.-Wheat and Cotton Trade.

46. The fall last year in wheat exports from Karachi is in strong contrast with the figures of the year under report. Karachi has outstripped Bombay. Purchasers no doubt were attracted to the cheaper market of Karachi, especially as prices have fallen. The trade in wheat flour continues to increase. In Europe, Great Britain and Belgium are as yet the only purchasers. The bulk of exports of flour went to the Mauritius, Aden, Arabia, Ceylon and the East African Coast.

Though cotton exports for all India show advance, there is a temporary decline in this Presidency in spite of larger exports from Karachi. The exports to the United Kingdom showed a further fall, while those to Germany, Belgium and Italy improved considerably. The trade in Indian cotton seems to be steadily shifting from the United Kingdom to the Continent of Europe where the short-stapled Indian cotton is used in spinning the stout yarn used in the clothing of the artizan and peasant classes. The exports to Japan, also declined.

The imports of Egyptian cotton, which is presumably required for spinning finer counts of yarn in the local mills, fell by nearly 50 per cent. This fall is attributed to the closure of the mints and the consequent dislocation of exchanges with China.

47. The official forecasts for cotton, wheat and oil-seeds on the whole show a smaller divergence from the actuals, as far as area is concerned.

VI.-HORSE AND CATTLE-BREEDING AND VETERINARY ESTABLISHMENT.

Civil Veterinary Department.

48. The Government of India are considering a revised Civil Veterinary Department scheme according to which, if sanctioned, the Superintendent, Civil

Veterinary Department, Bombay, will have the assistance of four Senior Veterinary Assistants as Divisional Inspectors, and each district will be equipped with two Veterinary Assistants, one to hold charge of the dispensary at head-quarters and the other to be an itinerating officer for the district. The annual report of the Civil Veterinary Department has been drawn up in the amplified form noticed last year. It embodies a detailed notice of shows, outbreaks of cattle disease and grant-in-aid dispensaries.

Horse-breeding.

49. During the year under report Baluchistán was made into a separate charge. The Superintendent visited 12 districts in the Presidency and Baluchistán, Káthiáwár and Mahi Kántha. The administration of the department in Bombay reflects the highest credit on Veterinary Captain Morgan whose relations with District Officers have continued most cordial.

There were 73 stallions on the register at the close of the year, but the number actually at stud work was 63.22, the remainder being at the Ahmadnagar depôt for acclimatization. The Superintendent experienced great difficulty in obtaining pure-bred large-boned Arabs. Though the number of mares covered has slightly fallen, the average per stallion is greater but still not high enough.

Produce statistics are uncertain. But the Superintendent has admitted that the low figures are not wholly due to incorrect registration in the activity shown to get rid of worn-out animals and uncertain foal getters.

The percentage of casualties (5.4) is stationary. There is strong evidence of the ill success of the usual type of Norfolk trotter in the quality and suitability of his progeny.

Remounts purchased indicate a fair improvement. These are mostly no doubt the produce of Government stallions, but proof is available only as regards 25 per cent. Parchment certificates are being substituted for flimsy paper. Castration of mis-shapen colts has not progressed. The cost of keep shows a saving of Rs. 28 per stallion but is still high and irregular.

Mule-breeding is popular in Sind and is gaining popularity in Gujarát and the Deccan. There are 24 donkey stallions. The produce returns are more uncertain in the case of mules than of horses. The cost was Rs. 14 per stallion less than in the preceding year.

The establishment of mule runs is a clear necessity.

Some important rulings by Government demand record. District officers interested in horse-breeding are now permitted to take a stallion on tour, and the Inspectors of the Civil Veterinary Department travel with pony and donkey stallions when possible. Preference over Norfolk trotters is being given to English Thorough-breds and to Arabs. The branding rule is being relaxed. The certificate by qualified District Officers is accepted for one covering only in lieu of the Superintendent's brand. A visitors' book has been prescribed for each stallion stand. The amended form for securing more correct registration of mares and their produce is still under consideration.

Veterinary Dispensaries.

50. New dispensaries have been opened at Surat and Jalgaon, the latter being the second in the Khándesh district. A dispensary has been sanctioned for Sholápur but accommodation has not yet been provided.

Qualified Veterinary Assistants are not available to meet the increased demand. It is believed that no Veterinary Graduate has yet been secured for Dhárwár though the dispensary was sanctioned in July 1893. The transfer of the Itinerating Assistant at Belgaum has caused another vacancy for which no incumbent has been found. The Hyderabad Local Board has sought to ensure its full complement of trained men by deputing a student to the Veterinary College. The paucity of qualified Assistants was felt in Ratnágiri where none was available to respond to an urgent call caused by an outbreak in September last.

The question of moving the Veterinary College to Poona has delayed the conversion of the Veterinary Hospital attached to the College of Science into a grant-in-aid dispensary.

The working of the dispensaries has been satisfactory as the following figures tend to show:—

			Number			Percentag	ES SHOWN	on total An	IMALS TREATED	·
Уе в	Year. of Dispensaries open.		of Dis- pensaries	Total Animals treated.	Cured.	Relieved .	Died,	Returned incurable.	Results unknown,	Remaining under treatment at end of year.
1890-91	•	•••	4	2, 503	51-1	19.2	3.2	2.6	21.5	2.4
1891-92	٠,,	•••	4	2,628	54∙0	16.3	2.9	2.8	21.6	2.4
1892-93	***	••••	- 6	4,466	70.3	10.2	2.9	2.9	11.3	2.4
1893-94	***	•••	9	9,843	74.89	9.99	3.09	1.88	7.80	2:35

Veterinary Captain Morgan thinks that the Veterinary Assistants have been active and prompt in dealing with outbreaks of contagious disease and to a certain extent successful in showing how precautionary measures should be taken when outbreaks occur, but regrets that the number of castrations reported (18) is so small. As far as horse-breeding is concerned this is one of the chief duties of the Veterinary Assistants. The Superintendent found the Dhulia and Karáchi dispensaries in an unsanitary state and the accommodation for in-patients in the Belgaum and Karáchi dispensaries and also in the new dispensary at Nadiád insufficient.

Cattle-disease.

51. Reports of outbreak of contagious and infectious diseases in the new form noticed last year have been received by the Superintendent, Civil Veterinary Department, during the latter half of the year. The following statement shows the information thus secured:—

District		ANTERAX.		RINDERPUST.		Pleu: Parum	BO- DNIA.		n Symp. Tique.	FOOT AND Disha		TOTAL.		
10190	rict.		Attack- ed.	Died.	Attacked.	Died.	Attacked.	Died.	Attack-	Died.	Attacked.	Died.	Attacked.	Died-
						·			· ·					
Kolába	***	•••	•••		500	227	1,215	800		•••	1,068	111	2,783	1,138
Ahmadab	ad	•••	106	95					204	202			31ó	297
Kápara	***	•••	•••	••	288	120				•••	`		288	120
Násik		•••			122	51		 .	28	21	55		205	72
Poons	•••	•••	***	· •••	122	72		***			53		175	72
Belgaum		•••			20	4		•••	}	***	•••		20	4
Nagar	***	•••					·	•••		 •••	146		146	•••
	Total	.:	106	95	1,052	474	1,215	800	232	223	1,322	111	3,927	1,703

Note,-No reports were received from Sind.

In the majority of the cases help was given by Veterinary Assistants in charge of dispensaries or those specially requisitioned from Bombay. Foot and mouth disease broke out also in Bombay where a special temporary establishment was entertained for its suppression.

The Glanders and Farcy Act will soon be applied to Násik, and it is under contemplation to extend the Act to the towns of Ahmadnagar and Bán-

Under instructions from the Government of India, the Assistant to the Inspector General, Civil Veterinary Department, has been entrusted with the preparation of a conspectus of the various diseases to which animals in India are most subject with a view to the preparation of a completer manual to be furnished with coloured maps showing the geographical distribution and comparative prevalence of each disease. Provincial Veterinary officers have been asked to assist.

Horse Shows, including Agricultural Shows and Exhibitions.

Province.	Locality.				
Deccan Sind Gujarát S. M. Country	Poona. Shikarpur. Naushahro. Rajkot. Chinchli.				

52. Five shows were held during the year. The Ahmadabad Show was cancelled owing to outbreak of cattle-disease. The shows at Ahmadabad have not been successful and it is proposed—though not decided—to substitute a nursery in Gujarát or Káthiáwár.

The Poona Show compared very favourably with previous Shows, but was not nearly as good as the Deccan Show held at Ahmadnagar in 1892. In that year 569 horses were exhibited, of which two-fifths were drawn from Poona, Sholápur, Sátára, Phaltan and Hyderabad, whereas even the smaller number (320) of exhibits at the Poona Show came from the Poona district alone. In other respects also the Nagar Show was superior. Government has ruled that the Deccan Show shall be held at Nagar in 1894 and again in 1895 on the ground that there is clear evidence of decadence in Poona as a centre for horse-showing, if not for horse-breeding also.

The Shikarpur Show was the most successful on record. The exhibits were more numerous and the standard of quality in all classes except those for ponies and donkey mares was exceptionally high. The class for mules, despite of a decline in numbers, was specially excellent. The show is growing popular among trans-frontier tribesmen. This year Afghánistán and Baluchistán together contributed more than half of the number exhibited, owned almost all the remounts in the show-yard, and carried off nearly $\frac{2}{3}$ of the number and amount of prizes.

The Naushahro Sub-division Show, held this year at Moro, was an improvement on the former show, both as regards numbers and quality. The funds were wholly provided by local bodies, but Government have promised to consider the question of an annual grant when the show has become a permanent institution.

The Rájkot Show, held after an interval of three years, was a decided failure. Rájkot is not a good centre; a change of locality for the Káthiáwár Show is thus probable.

The Chinchli Show showed advance in numbers but not in standard. Veterinary Captain Peacocke, whose services were lent by Government, has made valuable suggestions for improving horse-breeding in the Southern Marátha Country. For the first time, the Belgaum District Local Board contributed Rs. 250 to the show fund.

The reports on shows are now drawn up on an uniform plan prescribed by Government.

VII.—AGRICULTURAL STATISTICS.

A.-RAINFALL.

53. The detailed analysis of the rainfall in each district will be found in the appended tables (pages i—xiii). The fall of the year is contrasted with the average fall and the fall of the preceding year in the table below:—

Rainfall at District Head-quarters.

			Awn	ual Rainfa	1st Deceme	ER.	
No.	District Head-quarters.	Average of eleven	1892.		1893.		
		years ending 1892.	Fall.	Rainy days,	Fall.	Rainy days.	
			Inches.	Inches.	No.	Inches.	No.
1	(Dhulia (Khándesh)		27.61	27.87	49	24.77	41
	1		33.74	35.14	60	39.38	54
2 3 4 5 6	Násik Ahmadnagar Poona Sholápur		26.87	42.16	63	25.55	42
4	Poons		36.60	45.19	57	32.12	48
5	A Sholápur	•••	32.78	39.28	57	. 33.35	47
6	Sátára	•••	45.30	43.47	80	43.96	72
	1.					_	
7	Belgaum Bijápur Dhárwár	•••	51.49	64.01	94	49.67	84
7 8 9	Bijápur		26·68	35'37	63	28.95	49
9	≥ CDhárwár	•••	33.19	37.26	• 68	32.84	73
10	CT/		129.20	154.56	130	111.98	108
10 11	Kárwár (Kánara) : Ratnágiri Alibág (Kolába) Thána	•••	36000		108	87.99	97
12	Alibág (Kolába)	•••	01.77	117.42	97	80.38	90
13	Thána	•••	100.50	131.62	100	93.95	98
10	M Clusus	• • •	10200	10102	1 ***	"""	30
14	: (Surat	.,	46.64	55.15	60	45.45	51
15		•••	20.71	39.12	52	52.24	47
16	Kaira	••	00.00	58.45	.47	41.17	54
17	B Godhra (Panch Maháls)	••	10.71	44.72	47	49.02	48
18	Ahmadabad		97.05	51.18	48	43.75	55
		_		1		<u>.</u>	j ·

The salient feature of the season was the unusual downpour in May and June followed by a prolonged break in July which affected the kharif crops considerably. The rabi harvest was, however, very good owing to excellent showers in October.

Deccan.—The heavy ante-monsoon showers allowed very early sowing of cotton in Khandesh and timely sowing of rice, nagli, &c., in the western tracts bordering on the Sahyadris. In June the rain, though somewhat excessive in places, was on the whole seasonable and adequate for kharif. The seedling crops, however, considerably suffered during the prolonged break in July. In August and September the fall was normal and beneficial. The showers of October were throughout favourable for the standing kharif crops and for rabi sowing. The rabi crops, though good on the whole, were exposed to unseasonable rain and cloudy weather at the harvest time.

Karnátak.—The kharif sowing rain in June was deficient in the black soil tálukas of Belgaum and Dhárwár and the whole of Bijápur resulting in a contracted area of kharif crops.

Konkan.—The monsoon did not fairly set in till the second week of June, but the heavy showers of May sufficed for early sowings. The June rain, though seasonable, was too heavy. In July the break delayed transplantation. From August onward rainfall was generally seasonable and sufficient except in the upland talukas of Kanara and especially in the north of Thana where late rices suffered from short supply of moisture at the time of maturing. November rain was heavy in Kanara and damaged kharif crops which were ready for the sickle.

Gujarát,—The incessant and heavy rain of June and early July retarded kharif sowings. Here the July break was very welcome for late sowing and for resowing crops washed out by floods earlier in the season as well as for healthy growth of early sown crops. In August and September conditions were generally favourable. Very little rain fell in October and the break was favourable for reaping of early rice, bájri, &c., and sowing of rabi crops. In

November rain was too heavy in Ahmadabad and in most places slightly injurious to cotton, jowari and pulses, but on the other hand it was especially beneficial to the rabi crops. Cotton was further damaged by cloudy weather in February, especially in Broach.

B.-PRICES.

54. Price Inspectors:—In paragraph 2 last year I noticed the experimental introduction of a system of price inspection to make the price current returns more accurate for all the purposes for which such statistics are useful, but principally to check wilful or negligent mis-quotations as regards prices on which grain and fodder compensation is assessed under Military regulations.

A short notice of the work done and the results secured seems needed. The inspection covers 39 stations, divided between the two Inspectors. Between January and November 1893 all stations but Asirgarh were visited. In the next year ending 31st October 1894 all stations were again inspected. The cost incurred and the days devoted to inspection were:—

Year.				Pay.	Pay. Travelling.		Days of inspection.	
,				Rs.	Rs.	Rs.		
893	•••	•••	•••	2,335	894	3,229	132 per Inspector.	
894	***	***	•••]	3,056	981	4,037	126 do. do.	

Neither of the Inspectors yet receives the full pay of the appointment. They were made to exchange divisions on 1st April 1894. The total amount expended averages Rs. 330 per mensem. I proceed to show that the cost has been very small in comparison with results secured, firstly in improved registration, and secondly in reasonable reduction of the cost of compensation.

I look on the former as the more important, because the latter follows as a natural result, where over-payments are made and passed on the authority of official mis-quotations. Moreover correct returns are needed for many other purposes than the assessment of compensation.

55. The inspection made has proved very general neglect of the instructions laid down for the strict observance of officers responsible for the price register. The standing order that the clerk who visits the bazár at fixed dates should be competent, and that he should note the names of dealers on whose statements he relies for price quotations, has been largely evaded. In three stations the evasion was very indefensible, as prices were taken down from the statements of village officers alone, the clerk not even visiting the bazar. In others the Police were called on to report prices to the officer responsible for correct figures. The order that quotations should be for "fair average" quality was specially given to prevent the known tendency of pressure to show high prices for those special articles, with which the compensation claims are most concerned. Such pressure is undoubtedly brought to bear by contractors and by sepoys, who, on the other hand, are quick to detect and correct any tendency in the opposite direction. Abnormal variations in quoted prices of the same grain in adjacent stations were a marked feature in the "Prices Current" published before the subject of prices was taken in hand. It is a prime object of the instructions and the inspection to eliminate such variations, which, in great measure, are not due to misconception, but to wilful action where supervision is lax. Improvement is more due in this respect to the inspection than to the instructions, for the officers responsible are not able, as a rule, to bring any personal knowledge to bear. This knowledge is rapidly acquired by special auditors travelling from one station to another, and making prices their special study at each halt. But strict supervision is not made unnecessary on the part of responsible officers merely because the help of Inspectors is provided. The visits of the Inspector must be infrequent, and the standing order that a well distributed irregular test to keep the price clerk always under fear of test must be taken, is included prominently in the printed instructions. This order has often been wholly disregarded, or has been carried

out in a perfunctory and useless manner. Much confusion in prices has long existed owing to the use of capacity measures in the major part of the Presidency. Quotations are required in figures of weight. The capacity ser varies very greatly in different localities. The weight of the contents of the same ser measure also naturally varies according to the specific gravity of the grain and the

Station.					Equivalent in tolas of contents of local capacity Ser.			
Alibág Sirur Sátára Hijápur Bombay •		778 617 270 240		*** *** ***		25 105 80 100 37		

closeness with which it packs in the measure. A scale of equivalents by which to convert quotations by measure into quotations by weight is required for each article in the list. A few of the many incorrect equivalents detected by the Inspectors are shown in the margin. The article in question was wheat flour except in Bombay where it

was rice in husk. It will be noted that in every case the error resulted in overquotation of prices.

It must not be supposed that errors or irregularities detected and pointed out by the Inspectors, even though intimated to the officers concerned in a memorandum of inspection issued under my signature, were at once amended. It is a matter of regret that a repetition of mistakes thus brought to light was very frequently noticed at the second inspection.

I can only in a few cases show direct financial results of the inspection. In most cases it can, however, be judged by the character of the mistake corrected. But a few specific instances afford direct proof of saving, by reason of the inspection, apart from efforts on the part of responsible local officers.

Two of these cases have already been reported to Government in January last, which showed that the check taken at the Sirur station put a stop to a monthly over-payment of Rs. 200, and that at the Sátára station the incorrectness of the scale equivalents would have entailed a larger over-payment, had not the mis-quotation of prices of wheat flour necessitated the selection of rice instead as the standard of calculation. A third case was reported at the same time in which an over-payment of no less than Rs. 2,100 a month was checked at the Poona station, but here the mis-quotations were numerous and not accountable for by a specific miscalculation of equivalents alone. Since the dates of the reported cases just noticed, a grave mis-quotation of the price of wheat flour in the Bombay station was detected. This check caused a payment of compensation less by Rs. 2,051 from June 1894 than the amount which would have been disbursed on "Price Current" quotations uncorrected.

The financial effect of these important cases is that the inspection, which costs Rs. 330 a month, has at least saved Rs. 4,350 a month without in the least infringing on the privileges accorded by regulations for the grant of compensation for dearness of grain and forage. I was able to report in January that the system of check has been successful, that it merits imitation in other Presidencies, and that it has afforded an indirect but valuable aid in gauging the correctness of prices specially recorded for settlement and other administrative purposes.

56. Discussion on the subject took place in October 1893 at the Simla Conference of officers of the Departments of Land Records and Agriculture, with the result that the Bombay system was not approved. Bombay is the only Presidency in which the "Monthly Price Current" is prescribed for military purposes, and its position is, therefore, somewhat different from that of other provinces. Nevertheless I recorded a strong dissent to the resolutions passed, except as regards the curtailment of the system, more largely affecting other Presidencies than Bombay, of price certificates by District Officers. In Bombay these are already reduced to a minimum by the existence of the "Monthly Prices Current.".

C.—AGRICULTURE.

57. The special information regarding wholesale prices required for Imperial purposes under Government Resolution No. 6273, dated 30th August 1893, has been received from 52 selected trade centres, and will be duly compiled for the first time for the year under review in the Government of India Form B.

The fallow return has reached its second year. It exhibits some improvement in accuracy.

The marginally noted districts were late in the submission of agricultural

District.	Dat	of receip	t.	
1. Broach 2. Kaira 3. Kolába 4. Ratnágiri 5. Násik 6. Karáchi 7. Thar and Párkar 8. Shikárpur	•••	Do. 27th 28th	Septembo do. do. do. ctober do. do.	er

During the last 5 years statistics. Ratnágiri, Thána and Thar and Párkar have figured 4 times, and Násik and Khándesh 3 times in the marginal list. Thána and Khándesh, however, were punctual in the year under report.

Return No. I,—Details of area.

The figures for gross area (which include villages on privileged tenures but exclude feudatory and tributary States) in the Presidency as well as in Sind are still uncertain.

Distr	District.			
Belganm Poona Kolába Ratnágiri Sholápur Ahmadabad	6 6 6 6	•••	+148 +68 -8 +4 -3 +2	

In the Presidency the area returned is about 200 square miles more than last year. The chief variations are exhibited in the margin. In Belgaum an approximate area for the Here Jaghir has been included. In Poona the estimate of unsurveyed villages claims to be more correct than heretofore. In Násik four Jághir villages have lapsed to Government.

In Sind, on the whole, the total differs little, but the large increases in

Dist	District.		
Karáchi Shikárpur Hyderabad Upper Sind	Frontier	•••	+931 752 +9 31

Karáchi and Hyderabad and the corresponding decreases in Shikarpur and Upper Sind Frontier deserve marginal notice. Large transfers from Karachi to Shikarpur have been made. This last cause, combined with exclusion of alienated areas now forming separate alienated dehs (villages) and rectification of error, explains the

decrease under Shikarpur. The new dehs formed in the progress of survey chiefly account for the large increase in the number of villages.

70/ 11/4	INCREASE OR DECREASE OF				
District.	Villages.	Area.			
~	No.	Acres.			
Khándesh Poona Sholápur Sátára Kolába Ratnágiri	$-\frac{1}{2}$ $-\frac{1}{2}$ $-\frac{1}{2}$ $-\frac{1}{2}$ $+\frac{4}{2}$	-1,266 +939 -1,809 +1,381 -4,077 +35,161			

Area of available Statistics.—In the Presidency there is a net increase of 24½ villages or 30,469 acres. In Rattion among the tracts able to return fairly, accurate figures of cultivation. In Kolába 4 villages have been surveyed for the first time. In Sátára one village has been struck off for reasons not specified. The variations in areas in these two districts do not correspond with the variations in villages owing chiefly to the changes due to the progress of survey. Survey

changes are also noticeable in Poona and Sholapur, and in the former district modification is also due to disforestation. The difference in Khandesh is the net result of transferences of villages between the "non-available" and "available" heads.

In Sind the progress of survey and the formation of new dehs (villages) which are now taken on account, explain the noticeable increase in all districts except Shikarpur where there is a small decrease by reason of transfers to Karáchi.

Non-reporting Villages.—In the Presidency 1,576 Government villages with an area of 4,215 square miles and 819½ alienated villages covering 1,921 square miles do not return agricultural statistics. The total number of such

villages has been diminished by 24½ as explained in detail above. The alienated villages are all unsurveyed, and the Government villages are under special tenures. The numbers of Government and alienated villages of "non-available" statistics in Sind are 81 and 2 respectively.

Return No. II.—Cultivated i. e. Occupied and Uncultivated i.e. Unoccupied Area.

59. For comparison with last year, variations in this and other returns are shown for all districts in the Presidency proper. Ratnágiri, hitherto excluded, has been included this year, as the Collector has now definitely fixed the villages for which statistics are to be admitted. In Sind no comparison can yet be made on account of changes in the area of available statistics. These are particularly large in the year under review:—

_ Detail.			AREA IN ACRES (000 OMITTED)		Percentage
Detail			1892-93.	1893-94.	increase or decrease
A.—Cultivated Area— Gross cropped area Cropped more than once		, .	25,943 780	25,407 710	—2·0 —9·0
Net cropped area Current fallows		•••	1750	24,697 5,316	-9·0 -1·8 +11·8
	Assessed Unassessed	•••	l Tool	29,925 88	+0·3 -1·1
	Total A	•••	29,919	30,013	+0.6
BUncultivated Area-] .		
Available for Cultivation	{ Assessed Unassessed	•••	1,129 758	1,052 703	-6·8 -7·2
Not available for cultivation	$\mathbf{a} \dots $ Forest Others	•••	6779	6,832 5,203	+0·8 +0·2
	Total B.		13,854	13,790	— 0·5
	Grand Total		43,773	43,803	+0.0

The "gross area cropped" shows a net decrease of 2 per cent., while the decrease under "area cropped more than once" is 9 per cent. and under "net cropped area" 1.8 per cent. In the marginal table

•	Ĭ	Асгев	(000 om	itted),
District.		Net area cropped	Current fallow.	Culti- vated, i. s., occupied land,
Ahmadabad Kaira	900 900 900 900 900 900 900 900 900 900	- 6 - 16 - 73 - 61 - 70 - 47 - 28 - 68 + 9	+ 12 + 6 + 6 + 8 + 82 + 85 + 71 + 104 + 17 + 47 + 78 + 78 + 14 + 14 + 14 + 14	- 1 + 1 + 7 + 2 + 16 + 10 + 10 + 10 - 10 - 3 + 10 - 3 + 17 + 1
Total		-465	+560	+ 95

a comparison is made for all districts, mainly to show variations in the cropped area which fluctuates with the season. It will be seen that there is a general decrease in the net cropped area with a closely corresponding increase under "current fallow" in all districts. In Gujarát excessive early rain, but in the other provinces a long break in July, resulted alike in a contraction of the kharif area which could not be made up by extension of cultivation in the rabi season. In the Karnátak, especially in Bijápur, last year's favourable sowing rain following a scarcity in the previous year, caused an abnormal increase in the area sown. In Poona and Khándesh a more correct registration of fallow added to the conditions of the season combined to exhibit a smaller cropped area.

This last cause appears to be the only explanation of the decreased fallow of Dhárwár. In Ratnágiri the increase in columns 2 and 3 is due to new area transferred from the head of "non-available statistics."

Decreases under cropped area being nearly counterbalanced by increases under "current fallow," the cultivated, i. e., occupied land, shows a small increase of 0.6 per cent., which must be due to extended occupation except where due to modification in area of "available statistics." Such modification is large in Ratnágiri and Kolába, but insignificant elsewhere. This matter is further discussed under para. 61 below. In Poona the occupied area is increased by 10,000 acres at the expense of land "not available for cultivation;" but the circumstances are not explained.

As regards "area cropped more than once," noticeable increases are found in the three northern districts of Gujarát, where moisture left by early excessive rain and favourable late rains induced cultivation of second crops after rice and maize. The large decreases in Surat and Násik, on the other hand, are due to deficient late rains; elsewhere, they are explained partly by irregular rain and partly by injury from rats and caterpillars.

60. The following is the summarized information afforded by the fallow . return:—

	m.4.1	FALLOW ON TOTAL FALLOW.							
Province.	fallow on occupied area.	Fallow in rotation.	Grass land.	Grass- bound land.	Ráb land.	Land unsown on account of season.	Other fallow.		
Gujarát Deccan Karnátak Konkan	14.65	20·41 30·19 10·44 35·41	30·05 21·49 28·91 18·81	1·53 .4·19- 23·60 3·98	0·01 1·45 0·01 28·53	13·71 9·44 3·82 1·04	34·29 33·24 33·22 12·23		
Total	17.71	25.64	24 00	7.24	6.03	7.63	29.4		

Details of " current fallow" (percentages),

No reference to the figures returned last year is made, because the return in its first year was palpably inaccurate. Apparently the figures now shown are more correct. Land left unsown on account of season shows an increase in all provinces in response to the irregularity of the season, and is especially large in Gujarát. The area of fallow under the miscellaneous head in that province has been reduced to a credible extent. Both Gujarát and the Deccan show increase in fallow in rotation.

61. Uncultivated Area.—Under the head "Uncultivated," i. e., unocupied land, decrease is noticeable in the Panch Maháls, the Deccan, Bijápur and Kolába. In the Panch Maháls it is due to new lands taken up for cultivation. Elsewhere, the reduction in uncultivated area appears side by side with decrease in net cultivation and is nearly equal to the excess of fallow over that decrease. It is, therefore, presumed that new land taken up for cultivation under a prospect of good season was subsequently left fallow under the irregularity of rainfall.

Assessed cultivable waste shows a decrease of 77,000 acres or 6.8 per cent., while unassessed cultivable waste is reduced by 55,000 acres or 7.2 per cent.

Dis	District.			
Khándesh Thána Poona Sátára Kánara	04B 4+0 077 077	*** *** ***	+40 +10 + 9 + 2 + 2	

в 1316-9

Land under Forest has increased by 59,000 acres or 0.8 per cent. Large increase is noticed in Khándesh, Poona and Thána, as noted in the margin.

62. The present condition of each district is shown clearly by the table below, which is annually included in this report—not so much to indicate variations, though these are evident if the table of any year is compared with those of other years, as to show the gradually contracting margin for future occupation especially and the other main features of returns Nos. I and II combined:—

		7	Percen		ET ÅREA PO AILABLE, OF	R WHICH STA	ATISTICS
No,	District.	Percentage on gross area, of areas for which	Cultivat occu			sted, i. c., cupied.	
·		Statistics are not available.	Net cropped.	Current fallows.	Available for cultivation.	Not available for cultivation.	Forest.
	A.—PRESIDENCY PROPEE.	,			•		•
	I.—Gujarát.				ļ		
1 2 3 4 5	Ahmadabad Kaira Panch Maháls Broach Surat	8·3 12·7 1·9	57 75 39 63 47	21 6 16 8 24	3 7 13 3 6	18 12 9 - 26 18	23 5
	Average { 1893-94 1892-93	4·4 4·4	56 57	17 16	6 6	17 17	4
	II.—Deccan.						
6 7 8 9 10	Khándesh Násik Ahmadnagar Poona Sholápur Sátára	2.4	60 55 65 60 72 58	3 11 10 14 13 17	14 3 2 1	12 9 10 12 8 9	11 22 13 14 6 15
	Average { 1893-94 1892-93	5·0 4·8	61 63	11 9	• 4 5	10	14 13
	III.—Karnátak,						
12 13 14	Belgaum Bijápur Dhárwár	0·7 2·5	61 77 73	14 10 8	3 3 2	6 5 7	16 . 5 10
	Average { 1893-94	2·8 1·8	71 72	11 9	2 3	6 6	10
	IV.—Konkan.						
16 17 18	Thána Kolába Ratnágiri Kánara	3·5 83·3 •••	21 30 30 9	21 24 33 4	5 3 2 2	31 21 33 8	22 22 2 77
	Average { 1893-94 1892-93 Average A. { 1893-94 1892-93	25·4 25·8	19 19	16 · · 15 ·	3 4	20 23	42 39
•	Average A. { 1893-94 1892-93	8·2 8·0	56° 58	12 11	4 4	12 12	16 15
	B.—Sind.						
19 20 21 22 23	Karáchi Hyderabad Shikárpur Upper Sind Frontier Thar and Párkar	2·2 32·0	7 16 17 24 7	8 24 19 34 11	17 39 43 23 5	66 19 15 15 75	2 2 6 4 2
	Average B. { 1893-94	11·0 11·9	11 12	16 15	23 23	47 47	3 3
	Average for 1893-94	9.3	40	13	11	25	<u>i</u> 1
	dency 1892-93	9.5	40	12	12	25	 11

The above table has appeared in the Annual Report since 1885-86. It may be stated that since that date the cultivated, i. e., occupied area has slowly but surely risen from 66 to 68 per cent. of the total; that the area fit for cultivation and at the disposal of applicants has gradually declined from 8 to 4 per cent., half of which has been absorbed in Forest and the remainder in occupation. Forests have received a further increment of 1 per cent. from the unoccupied area, not available for cultivation.

If the provincial figures are examined, it will be seen that occupation has secured a small increment in all districts, except Surat, in which it is stationary, and the Panch Maháls where the percentage has risen from 44 to 55 per cent. In the latter district the available area has fallen 28 per cent.; for, besides its contribution of 11 per cent. to occupation it has added 17 per cent. to Forest.

In the Deccan and Karnátak the occupied area has risen by 2 and 4 per cent. respectively, the rise (1 per cent.) in the Konkan being a little less. The area available for cultivation has decreased by 4 per cent. in the Deccan and Karnátak, and by 3 per cent. in the Konkan, that which has not gone into occupation having been absorbed into Forest. The chief change took place in the Panch Maháls in Gujarát and in Khándesh in the Deccan, where the occupied area has risen by 3 per cent., a very large rise if the extent of Khándesh is borne in mind. With respect to these two districts a perusal of the remarks below the table in the report for 1885-86 will show what strides have been made. It is evident that the Panch Maháls is beginning to relieve the congestion of Gujarát in a small degree at all events.

Return No. III .- Crops.

63. The character of the rainfall has been described above as very irregular; it has already been shown that the result was a decrease in the gross cropped area of 2 per cent. This decrease was most marked in food crops, owing to the specially unfavourable features of the season as affecting bájri and its row crop, tur. Rice alone held its usual place. The diminished area of kharif food-crops was made up in some degree by the successful sowings of rabi jowári.

Conditions favoured a larger area of cotton everywhere and of oil-seeds, though, as will be seen, the harvest was not in proportion to area sown:—

Table to show effect of season on area sown.

•	Par	SIDE	NCY PROPER.	•		
•		Area in Acres	(000 omitted).			
	Crops.		1892-93.	1893-94.	Increase per cent,	Decrease per cent.
Jowári Bájri Paddy Wheat Others	*** *** *** *** *** ***	•••	7,123 5,451 1,667 1,918 1,742	7,411 4,055 1,721 1,986 1,737	5·5 3·3 3·5	25·6 0·3
•	Total, Cereals		17,901	16,910	***	5.5
Tur Gram Others	•••	***	809 762 1,644	569 820 1,401	7·6 	29·6 14·3
	Total, Pulses	•••	3,215	2,790	•••	13.2
Tobacco Sugarcane Oil-seeds Cotton	••• •••	•••	68 68 1,501 2,702	90 83 1, 950 3,075	32·3 22·0 29·9 13·6	•••
	Food Crops, Total		21,344	19,954	•••	7.0-
	Non-Food Crops, Total		4,600	5,453	18.5	•••
	Total, Crops	•••	25,944	25,407	***	2.0

		1	Acres	(000 омт	rer).
Distric	t.		Kharif,	Rabi.	Net variation
Ahmadnagar Sholapur Poona Dharwar Belgaum Bijapur			+1 -1 -4 -164 -197 -352	+269 +241 +146 +42 +104 +317	+270 +210 +112 -122 -93 -85

Jowari.—Increase 5.5 per cent. The rabi sowings were unusually large. Jowari is the chief early cereal in the Karnatak and the sowing rain was unfavourable; but rabi jowari proved a very successful staple in the districts shown marginally.

Distric	t.	ĺ	Acres (000 omitted).	District			Acres (000 omitted).
Ahmadnagar Sholopur Poona Bijāpur Nasik	::	:	-375 -228 -212 -163 -144	Khándesh Ahmadabad Sotára Kaira Belgaum	•••	••	-70 -64 -50 -44 -33

Bájri.—Bájri is always a kharif crop. The marginal figures indicate well the direction in which the season acted.

Paddy.—Increase of 54,000 acres or 3.3 per cent., fairly distributed over all districts but largest in Kaira (21,000 acres). The heavy rain in May and June encouraged a large area under this crop in districts where rice is not grown continuously as in the Konkan.

Wheat.-Wheat shared the benefit of ample and timely rabi rains, especially

District.	District.		District. Acres (†00) omitted).		District.	Acres (000 omitted).
Dhárwár Ahmadnagur Bíjájur Belgaum Násik		+54 +48 +32 +26 +12	Broach	-42 -25 -20 -16 -6		

in the North Deccan and Karnátak; but in Gujarát the rains in September October were too heavy to allow of seasonable sowing. The decrease in the South Deccan

districts is partly due to a preferential sowing of rabi jowári which is sown before wheat.

		Crop.		Acres (000 omitted),
Kodra Vari Barley	٠.		:-	 +9 +7 -5
Rigi Othe rs		••	•••	 -13

Other Cereals.—It appears sufficient to show the variations in minor cereals for the Presidency instead of district by district.

Pulses.—The success of bájri practically rules that of tur, as the table shows.

District.		Acres (000 omitted).	District.	Acres (000 omitted.)
Bifapar Shokapur Ahmadhagar Helgam Dharwar Poona Nasik Satara .	** **	-50 -30 -26 -19 -11 -12	Gram. Bijapur Satara	+6+6

While gram—a rabi pulse—is always sown largely with moisture late in the season. In Násik, wheat and jowári appear to have occupied land which would otherwise have been put under gram.

Die	District.					
Belgaum Sholapur Ahmadunga Khindesh Kaira Sit wa Birapur Idarwar				+5,240 +3,618 +3,669 +2,880 +2,132 +1,744 +861 +835		

Tobacco.—Gives a large increase of 22,000 acres or 32 per cent. The increase is general, as shown in the margin, and is explained partly by high prices inducing cultivators to grow tobacco.

Dis	triet.		Acres.
Poona Setera Nasik Belemum Stodapur Deerwar Knandesh Altumbubad			+4,674 +2,737 +1,628 +1,433 +1,187 +169 +279 +657

Sugarcane.—Increase is general, the total increase being 15,000 acres or 22 per cent. The increase is chiefly due to rotation and abundance of rain. The large increase indicates a very considerable investment, which must have paid handsomely.

011-seeds - Exhibit the greatest increase (449,000 acres or 30 per cent.) of all

C	rop.		Acres (000 omitted),
Scsame Linaced Castor Safflower Niger Ground-nut Others	** ** ** ** ** ** ** ** ** **	 **	+185 +186 +18 +164 +58 +42

crops, especially, marked under linseed, safflower, niger and ground-nut. A brisk export demand was added to the inducement of seasonable rains. Sesame and linseed have been specially dealt with in the forecasts. As these are specially important the following detailed notice appears advisable.

Sesame.—Shows a net increase of 8,000 acres or 2.7 per cent, mainly in Khándesh and Násik, the principal sesame-growing districts of the Deccan. Elsewhere, the area has generally decreased. In Gujarát, the excessive rain in September arrested the growth of earlier sown fields and also checked later sowings.

Linseed.—The area under linseed denotes a marked expansion in all districts where it is grown. It is a delicate crop liable to many mishaps, but the large demand and favourable rabi season operated in the direction of a large extension.

Ground nut.—In some districts this crop is gradually assuming a position of first importance, especially in Sátára, where its permanent area is fast increasing.

Cotton.—Shows an increase of 373,000 acres or 13 per cent. The increase is

Dist	riet.		Acres (000 omitted),
Bijápur Dhárwár Abmadabad Belgaum Broach Sútára Sátára Atmadnegar Khendesh Sholápur	46 46 46 40 40 40 40	*** *** *** *** *** *** ***	 +115 +96 +70 +59 +40 +31 +4 -34 -10

chiefly confined to Gujarát and the Karnátak where cotton is sown as a late crop. In Gujarát jowár and bájri damaged by excessive June rain were replaced by cotton. A small decrease in the Deccan districts, where cotton is an early crop, was due to unseasonable sowing rain. In Khándesh the area would have been larger but for damage by excessive rain which made it pay to plough up the land and sow later kharif crops or rabi pulses.

Potato.—The area under this crop is 10,600 acres against 8,700 acres of last year. The increase of 1,900 acres is chiefly confined to Ahmadnagar (+1,100 acres) and Poona (+1,000 acres) which grow 89 per cent. of the total area under potatoes. The increase in Poona is general with the notable exception of Khed Taluka where potato cultivation has most advanced. This is accounted for by continuance of the ring disease, the efforts to stamp out which, have not yet been permanently successful as noticed in paragraph 42. The demand for potatoes is steadily increasing and the supply from Khed having fallen short, it is quite probable that the consequent high prices may have led cultivators to bring more land under potato in parts where the disease has not been so rife.

Green Fodder.—The important crops under this head are lucerne and hot weather jowari, both of which have decreased. Lucerne is grown in Poona (381 acres), Ahmadnagar (218 acres), and Thána (244 acres) alone. Hot weather jowari has decreased from 18,145 acres to 17,074 acres. Gujarát shows a small increase (1,500 acres), which has been more than counterbalanced by a decrease (2,100 acres) in the Deccan and (900 acres) in Karnátak.

Kharif and Rabi Crops.—The details given in the appended table show variations at a glance and give the main features of the seasons:—

•	A	BEA IN ACRES	(000 омителя).	· ·			
Year,	Kha	rif.	Babi.				
	Cereals.	Pulses,	Cereals.	Pulses.			
1892-93 1893-94	12,246 10,038	2,235 1,771	5,655 6,872	980 1,019			
	-2,208	-464	+1,217	+ 39			

64. I now give the usual tables showing the distribution of crops. Statement A shows the distribution of the principal crops in each district. Sind is included in this statement. Statement B shows the proportion which the area of each crop in each district holds with respect to the gross area of that crop in the Presidency proper:—

A.—Distribution of Crops—Percentages shown on District Areas.

		FOOD CROPS.										· · · · ·		— <u> </u>	TOTAL.	
	-				+			P\$.		· 		Non-1	POOD C	eors.	Tor	A <u>r.</u>
No.	District,			 -	, 	ereals.									}	ž.
	District,		Jowari.	Bajri.	Paddy.	Wheat.	Coarse Grains	Others.	Total.	Pulses.	Others,	Cotton.	Oil-seeds,	Others.	Food Crops.	Non-food Crops.
1	2		8	4	. Б	6	7	8	9	10	11	12	13	14	15	16
	A,-Presidency Propes.						·								-	
	I.—Gujardt.	•									•					
1 2 8 4 5	Ahmadabad		23 8 1 16 21	13 25 10 3 1	7 18 16 8 20	14 2 6 13 5	5 25 12 1 8	1 24 	63 79 69 86 55	11 13 21 11 15	1 1 8 2	21 1 47 21	8 2 9 2 6	1 1 1	75 93 90 50 72	25 7 10 50 28
	Average { 1893	-94 3-93	16 1 8	12 14	11 10	9	10 10	4	62 67	13 12	1 1	19 15	4	1 1	76 80	24 20
	II.—Deccan.	•					_			·						
6 7 8 9 10 11	Khándesh		15 6 39 37 61 27	20 83 23 29 10 28	8 8 1 2	9 16 11 5 2 4	1 9 2 4 8	 1 1	46 67 · 75 · 79 · 75 70	10 13 12 10 9 19	"1 "2 1	35 8 8 1	7 15 0 8 12 7	1 1 1 2 2	56. 81 87 91 85 90	14 19 13 9 15 10
	Average { 1893	3-9 4 2-93	81 26	23 80	2 2	8 7	8 4	***	67 69	12 13	i	9	10 7	1	80 83	-20 17
	IIIKarndtak.							. •				-				
12 13 14	Belgaum Bijápur Dhárwár	•••	34 50 28	10 10	₇	6 13	10 2 8	1 :::	67 68 56	12 7 10	1	12 15 25	5 9 5	8 1 8	80 75 67	20 25 33
	Average { 1893	-94 -93	39 42	7 10	4	8 7	6 5		64 68	9 11	1	18 13	6 5	2	74 80	26 20
	IV.—Konkan.									٠,					- -	
16 16 17 18	Thána		:::	•••	64 59 36 78	210 210 200 400	21 32 42 3	***	85 91 78 81	8 6 10 8	2 1 5 .9	0-19 0-10 0-00 1119	3 2 5	2 ₂ 7	95 98 93	5 2 7
	Average { 1892	-94 -93		»« »«	63 62	***	23 23		85 85	7 7	8	::	 8 8	2 2	95 95	5 5
	Average A { 1895	3-94 2-93	29 28	16 21	6	8	6	1	66 6	11 12	ì	12 10	 8 6	2 2	78 82	- 22 18
	B.—SIND.					-			_		_			 -	<u> </u>	· ·
19 20 21 22 23	Karáchi	***	17 11 18 85 1	8 34 1 7 69	35 19 24 5 16	13 7 81 9	499 645 140 040 148	4	77 71 74 56 87	7 8 14 6 8	2 1 1 	 1 	13 13 9 88	1 8 1 	86 • 75 89 62 91	14 25 11 38 9
	Average { 1898]-94 -93	14 17	24 25	21 19	15 16		1 1	75 78	· 6	1 2	8 2	12 11	2 1	63 86	17 14
	Average for the Presi-{1893 dency,	-94 -93	27 26	17 22	• 8 8	9 8	5 5	1 1	67 70	11 12	1 1	11 9	8 6	2 2	79 83	21 17

B.—Distribution of Crops—Percentages shown on Presidency Area.

					Foor	CROP	9.				Non-P	00в Сі	IOPS.	To	ral,
	•			0	ereals.										
io.	District.	Jowari.	Вајн.	Paddy.	Wheat.	Coarse grains.	Others.	Total.	Pulses,	Others.	Cotton.	Oil-sceds.	Others.	Food Crops.	Non-food Crops.
1	2	8	4	5	8	7	8	9	10	11	19	13	14	15	16
	I.—Gujardt.										·				
10793 45	Ahmadabad	0.8	4·4 4·7 1·1 0·3 0·2	5°6 7°8 4°0 0°9 6°8	9.0 1-0 1.2 8.8 1.3	4·7 12·4 8·4 0·5 2·9	10·5 2·2 49·9	5·8 3·6 1·8 1·2 1·8	5·8 3·5 3·2 2·3 2·8	4·9 2·4 0·5 6·7 8·4	8.8 0.8 0.8	2·6 0·7 2·0 0·6 1·8	2·3 6·6 1·3 1·1 1·2	5·3 3·5 2·0 1·4 1·9	616 110 018 513 218
	Total { 1893-94 1892-93	8·2 9·3	10-7 10-1	24·6 ·23·2	17·2 22·3	23·9 22·4	62·9 61·3	13·6 14·0	17·1 14·4	17·9 20·9	22·6 20·2	7·7 9·3	12·7 11·8	14·1 14·1	16·6 16·0
	II.—Deccan.								i						-
6 7 8 9 10	Khandesh	1.7 14.5 10.3 17.4	14·9 15·2 16·0 14·8 5·2 12·3	1.8 8.2 0.7 3.9 1.5 2.8	13.4 16.6 14.3 6.0 2.6 8.1	1.4 11.4 2.8 6.3 0.2 9.5	2·7 2·8 8·1 6·5 11·0 7·7	8·3 7·9 12·0 9·8 9·5 7·3	10·7 9·0 11·7 7·5 7·0 12·0	4.9 10.1 4.8 13.8 6.3 10.7	34·6 2·1 1·9 0·1 0·3	11.5 15.0 13.8 8.5 13.7 6.5	14°2 8°6 6°6 8°6 -10°0	8.6 8.1 11.9 9.5 9.1 8.0	24·8 6·8 6·4 3·5 6·7
	Total { 1893-94 { 1892-93	56·8 50·9	78·4 78·1	13·4 13·4	55.0 £4.7	31·6 33·5	32·8 34·8	54·8 54·4	57·9 58·8	49·6 44·0	89·8 46·5	68·5 68·1	47·9 47·7	55·2 54·8	50°-
٠	III.—Karndtak,													-	
13 14	Belgaum Bijapur Dharwar	18.7	4·2 6·0 0·1	6·5 0·8 9·2	5·5 8·9 13·4	11.0 2.8 11.0	8·9 0·4	7·0 11·1 7·1	7·5 7·0 7·5	8·4 2·9 5·4	6.7 13.9 17.5	4·6 12·6 5·0	14·0 8·7 15·3	7·1 10·5 7·1	6: 12: 12:
•	Total { 1893-94 { 1892-93	35°0 89°9	10.8	. 16·5 16·8	27·8 23·0	25'3 24'8	4·3 3·9	25·6 25·6	22.0 21.7	16·7 17·7	38·1 38·3	22·2 20·4	83·0	24·7 25·8	32· 29·
	IVKonkan.									1					
5 6 7 8	Thána			17·6 13·9 2·8 11·3	*** *** ***	6°6 8°5 3°6 0°8	010 100 110	2·4 2·2 0·6 1·2	1·3 0·9 0·5 0-3	2·9 1·2 2·5 9·2	*** *** ***	0.8 0.4	1.7 0.3 0.7 8.7	2·2 2·0 0·6 1·2	0. 0. 0.
	Total { 1893-94 { 1892-93	:::	::	45·5 46·6	<u></u>	19·2 19·8		6·4 6·0	8.0	15·8 17·4	-::	1·6 2·2	6·4 6·9	6·0 5·6	
		100	100	100	100	100	100	100	100	100	100	100	100	100	10

65. Outturn of Crops:—The following table gives the anna valuation of the outturn of the principal crops in each district. The valuation (by Mámledárs) purports to conform to the prescribed standard, by which 16 annas represent an average crop. The table must, however, be taken as representing a merely approximate estimate, for, the anna estimates are in most cases very low, partly because in many districts the 16-anna standard for an average crop is not customary and because the agricultural knowledge of the Revenue Officers who prepare the returns from local estimates is not sufficient to enable them to make due additions required by the fixed standard. The Collector of Bijápur views the estimates made by the Mámledárs as altogether too low. He emphatically asserts that there has not been a more generally favourable season in Bijápur within the memory of men still living. Similar comment no doubt would hold good in the case of other districts.

Approximate Anna Valuation of Principal Crops in each District, 1893-94.

		•		,				. -	Avbra	REA ED	NALUA	TION.			
No.		Distr	ict.		.	Jowari.	Bajri.	Paddy.	Wheat.	Kodra.	Bagi.	Vári.	Tur.	Gram.	Cotton.
.—		Guja	rát.				•								
. 1 2 3 4 5	Ahmadabad Kaira Panch Mahal Broach Surat	***		***		6 9 *5 9 11	5 12 8 7 8	11 13 13 8 12	12 12 9 13 11	8 12 8 5 12	7 11 9 4 10	13 10 6 6 8	10 8 9 8 9	12 10 11 10 8	10 10 9 8 8
		Dece	an.		1	l									•
6 7 8 9 10	Khándesh Násik Ahmadnagar Poona Sholápur Sátára	***	***	***		12 13 11 13 11 12	13 12 10 11 6 10	12 12 10 11 9	13 13 12 9 11	11 7 9 3 4	9 8 10 10 6 9	12 9 9 10 6 9	13 8 9 7 7	13 13 10 11 9	11 11 9 9 6 14

								•	Avera	GR ANK	VALUAT	TON,			
No.		Distrl	le t .			Jowári.	Bájria	Paddy.	Wheat.	Kodra.	Ract.	Varie	Tur.	Gram,	Cotton.
		Karno	ítak.)				}		
12	Belgaum	***	***	•••	•••	11	10	9	12	9	10	10	10	12	9
13	Bijápur				•••]	12	9	10	12	9	8	9	4	13	10
14	Dhárwar	•••]	9	5	6	14	. 6	10	9	9	13	9
		Konk	an.			ł		Į					ļ]	
15	Thana	***	•••	•••	•••	10	***	13	' 	13	11	11	10	11	***
16	Kolába	***	•••	•••	•		•••	11	•••	6	8	8.	9	8	•••
17	Ratnágiri	***	•••	•••	}	}		11	•••	10	10	10	10	8	***
18	Kánara	***	•••	***		. 12	***	13	•••	***	13	12	4	8	***
	}	Sinc	d.										•		
19	Karáchi	•••	•••	***		11	10	10	9	•••	10	11		10	11,
20	Hyderabad		•••	•••		12	12	10	9	•••	16	16	16	8	12
21	Shikarpur		1+4	•••		10	10	13	11			***		10	10
22	Upper Sind	Frontic	r	141	•••	10	12	13	14		16		_,	16	15
23	Thar and Pa	rkar	•••	•••	•••	11	11	11	10	•					10

Note-In the above table the valuations are calculated on the standard by which 16 annae represent an average crop.

The outturn was on the whole fairly good in quantity though slightly damaged in quality by unseasonable rain at the harvest time in both kharif and rabi crops. Jowari and bajri were much below average in Gujarát and the Karnátak, while fair in the Deccan. Paddy, wheat and gram were much better. Cotton was on the whole only fair.

66. Fruit Trees.—I append the usual table. The effort to show valuable figures for fruit-trees has not been very successful. If the figures reported during the last five years could be trusted, mango, cocoanut and date-palm appear to be steadily increasing. Trees in forest and village sites are not included in this enumeration.

Number of Fruit Trees.
(000 omitted.)

No.	Province.	Mango.	Tamarind.	Jack.	Cocoanut.	Toddy-palm.	Date-palm.
1	Gujarát	. 526	120	4	7	241	523
2	Deccan	843	66	10	8	1	· 124
3	Karnátak	. 379	110	21	72		1,082
4	Konkan	. 522	40	. 162	1,654	98	13
	Total for the (1893-94	2,270	336	197	1,741	340	1,742
	Presidency { Proper. 1892-93	. 2,220	328	184	1,752	347	1,708
		+50	- +8	+13	-11	— 7	+34
5	Sind	. 190		•••	1		152
	(1893-94	2,460	336	197	1,742	340	1,894
	Grand Total { 1892-93	2,405	328	184	1,753	347	1,862

The enumeration includes an estimate of trees of special local value in particular districts; thus:—

Trees and	Districts.	Number.	Trees and	Districts.		Number.
1.—Moha (Ba	esia Latifolia).		5.— Hirda (<i>Ter</i>	minalia che	bula).	
Kaira Panch Maháls Khándesh Broach Násik	415 . 60 415 80 416 81	93,931 60,369 1,899	Ahmadnagar 6.—Fig (F	 icus carica	.,	13,083
2.—Betelnut (Kánara Dhárwár Ratnágiri Kolába Thána 3.—Ráyan (Mi	Areca catechu)	163,937 39,035 9,494	Poona Násik Shikárpur Ahmadnagar Surat Hyderabad Karáchi Belgaum	000 000 000 000 000	911 400 880 681 600 900 811	60,249 3,686 1,112 847 800 603 233 70
Kaira Panch Maháls Broach 4.—Keshew-nu occiden Kánara Ratnágiri Thána	t (Anacardium ntale).	4,043 2;541 110,484 23,747	Hyderabad	#** *** ***	a.)	54,740 40,170 25,868 16,703 6,777 362 345 224

Return No. IV.—Irrigation.

67. The net area irrigated in the year under report was 3'4 per cent. of the net area cropped in the Presidency Proper. In Sind it was 86'2 per cent. Last year the corresponding figures were 8'18 and 86'7 per cent., respectively.

The variations under the principal sub-heads are shown below:—

Irrigated Area.

	•	•		· · · · ·	PRESIDENC	PROPER.	
Number.	,	Detail.	•	Acres (000	omitted.)	Increase	Decrease
,				1892-93.	1893-94.	per cent.	per cent.
	A	Area Irrigated.					
1° 2	Irrigated from ca Do. ta	nals nks, wells, &c.	•••	123 679	140 699	13·8 2·9	* , *** ***
8		Total Area Irrigated	•••	802	839	4.6	
	B.—(Frops Irrigated.			•	•	
- 4 5 6 7	Rice Wheat Sugarcane Other crops	*** *** *** *** *** ***	•••	149 197 67 501	137 176 82 541	22·4 7·9	8·1 10·7
* 8	•	Total crops irrigated	[914	936	2.4	

Note,—The difference between totals, A and B is due to the inclusion, in the latter, of the area cropped under i rigation more than once.

в 1316—11

	Acı	тімо 00) ва	TED),
Districts.	Canals.	Tanks and wells.	Net variation
i		` ,	
Ahmadabad Kaira Khandesh Nasik Ahmadnagar Poona Sholapur Satara Belgaum Bijapur Dharwar Thana Kanara Kanara	-2 -19 +3 +67 -53 +47 +17 +104 +1 +8	-101 -26 +48 -43 +191 +9 +71 +37 +30 -25 -30 +24 +8	-103 -45 +51 +24 +138 +56 +88 +141 +31 -30 +24 +8

*Marked variations in the areas irrigated from various sources are noted in the margin. In Gujarát there is a decrease under both canal and well irrigation. As the rain in the early part of monsoon was very heavy and again in September-October, the cultivators stood less in need of extraneous help. Besides this, there was some contraction in the area of irrigated rice. The Deccan, on the other hand, notably increased its canal as well as its well irrigation. Insufficient rain for kharif sowing and abundant water in wells and nallahs due to the favourable late rain encouraged irrigation from both these sources.

In Ahmadnagar the explanation of the decrease under the area of canal irrigation is that extensive preparations for using wells were made when the kharif rains looked unpromising and that the cultivators preferred to go on with wells rather than apply for canal water. The districts which show decrease under "tanks and wells" are Nasik, Bijapur and Dharwar. The decrease in Nasik is not explained but it is probably due to shrinkage in the area of irrigated wheat and pulses and to increase under canals. In Dharwar the decrease was caused by a large reduction in irrigated rice. In Bijapur abundant ante-monsoon and late rains induced people to put more land under dry-crop.

Among irrigated crops sugarcane shows a large increase, which is general as noted under Return No. III. Wheat, on the other hand, shows a fall of 21,000 acres, almost equally distributed among the Deccan districts. A decrease of 12,000 acres under rice is confined to Ahmadabad, Kaira and Dhárwár.

Return No. V.-Agricultural Stock.

68. Cattle increased 5.2 per cent. The result of the enumeration under the principal heads is shown in the following table:—

Agricultural Stock.

		Presidency	PBOPER.		
Detail.	(000 om	itted.)	Increase		
	1892-93.	1893-94.	per cent.	Decrease per cent.	
Plough Cattle Breeding Bulls Cattle for other purposes Milch Cattle Young Stock	21	3,283 22 155 2,911 2,314	1.6 4.8 9.1 4.1 12.0	*****	
Total Cattle	8,257	.8,685	5·2	•••••	
Horses and Ponies Sheep Goats Ploughs Carts	1,888 1,574 1,112	153 1,957 1,655 1,118 516	5·5 3·1 5·1 0·5 3·2		

Note. - Changes in the figures of sheep and goats reported last year are due to subsequent corrections.

The district variations are noted below:-

No.	District	. .		Plough Oxen.	Cows.	She- buffaloes.	Young Stock.	Total . Cattle.	Sheep.	Goats.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Ahmadabad Kaira Panch Maháls Broach Surat Khándesh Násik Ahmadnagar Poona Sholápur Sátára Belgaum Bijápur Dhárwár Thána Kolába Ratnágiri Kánara		**************************************	-7,744 +1,921 +622 +1,350 +2,044 -4,852 +1,796 +6,321 +15,602 +1,821 +4,546 +5,738 +14,131 +7,816 -2,488 -649 +1,293 -2,060	+3,380 +214 +620 +814 +201 +7,079 +625 +9,642 +12,345 +5,316 +7,246 +6,505 +18,564 +9,418 -1,381 -1,307 +235 -4,198	+2,128 +2,501 +967 +1,529 +683 +4,649 +1,195 +1,651 +3,800 +5,029 +6,067 +8,275 +656 +174 +526 -1,280	+10,242 +4,902 +9,014 +1,099 +2,885 +13,668 +7,070 +18,245 -30,519 +16,142 +28,579 +29,789 +41,450 +27,849 +27	+ 9,308 + 9,273 + 11,208 + 5,460 + 6,866 + 24,679 + 12,281 + 38,733 + 64,665 + 45,996 + 47,354 + 80,975 + 53,190 + 4,278 - 2,458 + 3,416 - 7,070	-1,410 +1,809 -1,454 -628 +407 -221 +10,557 -6,478 +20,389 +6,623 +6,674 +838 -15,910 +61,263 +78 +30 +4 +233	-4,635 -5,371 -91 +1,310 -281 +18,837 +7,190 -10,311 +19,321 +1,860 +17,590 +4,752 +7,200 +22,652 +7,200 -10,311 -1,000 +17,590 +17,000 -10,00

Cattle.—All districts in the Presidency Proper, except Kolába and Kánara, report a general increase under cattle, pointing to an abundant supply of fodder and water. The increase in the Deccan is most marked. In Ahmadabad, an increase was secured despite losses by reported disease. Takávi advances made during the year have no doubt also somewhat contributed to the increase. In Kolába and Kánara, the reported losses of agricultural stock by disease, have been considerable, which may, in part, explain the net decrease; but it must be constantly borne in mind that the Konkan is visited by large herds from above gháts and if the registration does not rigorously exclude cattle belonging to other districts, there will, as now, continue to be variations, explicable only by carelessness in registration. Among cattle, the increase under young stock is prominent, being 12 per cent.

Sheep and Goats.—Sheep show an increase of 69,000 or 3·1 per cent. Goats increased only 5 per cent. against 13·6 per cent. last year. This reduction in percentage is mainly caused by the correction of an error detected in Gujarát. The decrease of these animals in the Panch Maháls is attributed to the departure of workmen employed on the Godhra-Rutlám Line with their goats and cows. But the usual remark as to the roving habits of the herdsmen which render the enumeration of sheep and goats very difficult and thus defective, must be repeated.

Horses and Ponies—Increased 5.5 per cent., noticeably in Khándesh and Ahmadnagar (+1,800, each), Poona (+1,400), Sholápur (+1,000) and Bijápur (+1,000).

D.—CROP EXPERIMENTS.

69. The number of experiments conducted during 1893-94 amounted, as shown in the margin, to 134 as against 120 bajri 22; pulses 20; rice 18; ragi and other hill millets 20; jowari 18; wheat 11; oil-seeds 13; sugarcane 8; barley 2; potatoes from the Northern Division and 45, each, from the Central and Southern Divisions.

and onions, 1, each. These are reported on separately.

Sind has instituted crop experiments under the standing rules modified with special reference to the conditions of the Province. At the request of the Commissioner in Sind the reports are to be scrutinized in my office before tabulation by the Commissioner.

E.—FORECAST OF SEASON, 1894-95.

70 The monsoon broke on the Kánara Coast on 3rd June and advanced with abnormally high winds unusually quickly into Upper India. Consequently heavy rain fell earlier than usual in Gujarát and Káthiáwár, while in the Deccan and Karnátak the kharif sowing rain was very scant, especially in the Sholápur and Bijápur Districts and the adjoining tálukas of the neighbouring districts.

July rain was injuriously excessive in Gujarát where kharif sowing was greatly retarded and seedlings of early sown crops were damaged in most places. Unusually high floods in the Tápti were reported at this time. Conditions changed from August. The Deccan and Karnátak Districts, especially Bijápur and Sholápur, received excellent rain, while there was a clear fortnight's break in Gujarát, which improved prospects everywhere. September rain, though deficient in kharif tracts of the Deccan and Karnátak, was very favourable in the rabi tracts. Rain at the end of October, however, was again abnormally heavy and cyclonic in Gujarát, being as much as 16 inches at Surat, and considerably damaging kharif crops ready for harvest as well as newly sown rabi crops. It was also injurious to cotton and bájri in Khándesh, and to rice in the Konkan. Elsewhere, in the Deccan and Karnátak, it proved, on the whole, beneficial to rabi prospects, especially in Dhárwár, where it was badly wanted.

VIII.-TRADE AND TRADE STATISTICS.

71. I extract the following from the Annual Reports (separately submitted) on Rail and Road-borne traffic:—

			P	RESIDENC	Y PROPE	B.	ļ	Sin	D.	
. Y	ear.	-	Externa	l Trade.	Local	Total	Externa	Trade.	Local	Total
•		•	Imports.	Exports.	Trade.	Trade.	Imports.	Exports.	Trade.	Trade.
	-	•	1	faunds,	, 1 mau	nd = 8	2 2 lbs. (0 0 000 c	mitted)).
Average	•••	•••	324	102	293	719	86 l	21	68	175
1892-93,		• • •	342	112	300	754	57	27	51	135
1893-94.		,	385	118	329	832	110	27	92	229
Increase + or	decrease -	over	İ		,	. •	-			
average	•••		+61	+16	+36	+113	+24	+6	+24	+54
Increase + or	decrease -	– over	ĺ			'	"-	. •		'
last year	•••	•••	+43	+6	+29	+78	+53	• • •	+41	+94

The total trade of the Presidency Proper during 1893-94 was 15.72 per cent. above average and 10.34 per cent. above last year; while the total trade of Sind showed a still greater expansion of 30.86 and 69.63 per cent. as compared with average and with last year, respectively.

The road-borne trade was, as usual, registered at six selected posts.

IX.—ARCHÆOLOGY.

72. No reports on the subject have been received from the District Officers under Government Resolution No. 1672, dated 13th April 1889, General Department.

X.—MINERAL STATISTICS.

73. The annual return of minerals and the new return of mineral concessions prescribed under Government Resolution No. 8927, dated 4th December 1893, Revenue Department, were, as usual, submitted to the Government of India in April last. Under the recent orders of the Government of India (Government Resolution No. 6785, dated 13th August 1894, Revenue Department), these returns will, in future, be submitted to the Reporter on Economic Products, Calcutta.

The terms of the license granted to Mr. Nelson to prospect diamonds and precious stones in Bijápur, noticed in the last year's report, were settled and approved by the Government of India (Government Resolution No. 386, dated 16th January 1894, Revenue Department) during the year.

XI.—COLLECTION FOR THE IMPERIAL INSTITUTE AND THE INDIAN MUSEUM.

74. This year's collection of articles consisted of samples of salep (the dried tubers of various species of orchis) for the Imperial Institute and a sample of Gymnema sylvestris leaves and specimens of local churns for the Indian Museum.

CONCLUSION.

75. Mr. Mollison, the Superintendent of Farms, made two tours, one in North Thána and the other in the villages surrounding Surat, to study garden cultivation in those tracts. In the Surat tour he also studied the Gujarát Survey system classification of soils. In his second visit to Surat, Mr. Mollison selected a site for buildings to be erected on the new Surat Farm. The working of the Poona Farm and the Ganeshkhind Gardens was under his close supervision, and the newly instituted sugarcane experiments at Mánjri have been under his special care. He also conducted the duties of Joint Secretary to the Empress Gardens under the Agri-Horticultural Society of Western India. He reviewed the reports of Horse, Cattle and Agricultural Shows and studied and prepared, as last year, the review of crop experiments for the annual report thereon. He also personally made three crop experiments and gave lectures for the prescribed courses at the College of Science. Some lectures were also given in cattle-breeding and dairying to the students of the Bombay Veterinary College who paid a visit to the Poona Farm.

Mr. Mollison's now ripe experience has fully shown the value of expert assistance to the Director and is clear evidence of the wisdom of the decision at the last Simla Conference that instead of giving facilities to Revenue officers to acquire scientific and practical knowledge of agriculture at Circucester or elsewhere, it is better to import trained experts. The Resolution of the Conference to which I refer was worded as follows:—

"That, in the opinion of the Conference, it is essential in the interests of agricultural improvement that there should be in each province a highly trained technical assistant to the Director of Agriculture, and that unless or until natives sufficiently well trained and qualified are available, he should be a European expert."

The work of the combined offices of Survey Settlement and Land Records (with Agriculture) has in no degree decreased. It is only due to the cordial assistance received from Mr. Mollison and from my Personal Assistants Ráo Bahádur Ichhárám Bhagwándás and Ráo Sáheb Hari Vináyak Sáthe that I have been able to keep work up to date. The Superintendents have done their work with their usual energy, and in spite of frequent indents from outside for men trained in the office, the standard of work has not deteriorated.

I have the honour to be,
Sir,
Your most obedient Servant,
E. C. OZANNE,
Survey Commissioner and Director,
Land Records and Agriculture,
. Bombay.

STATISTICS.

A.—RAINFALL.

EXPLANATORY REMARKS.

Rain Periods and their dates.

Early	Rains	•••	•••	•••	•••	•••	•••	1st January—10th April.
Ante-l	Monsoon-	-		/ A s	hvini	•••	я.	11th April—24th April.
1	lth April	to 4th	June	Bh Kr	arani ittika	•••	•••	25th April—8th May. 9th May—22nd May.
		i		(Ro	hini	•••	•••	23rd May-4th June.
Monso	oon-Kharif	<u> </u>		CM:	rig	•••	•••	5th June-19th June.
5	th June t	o 14th	Angust	Ar Pu	rig :dra :narvasu		•••	20th June—3rd July. 4th July—17th July.
·	th June t			Pu	shya shlesha	***	***	18th July—31st July. 1st August—14th August.
	oon-Rabi-							
				l Pı	agha 1rva	•••	•••	15th August—27th August. 28th August—10th September.
1	l5th Augr	ast to 2	21st Oct	. { U	ttara ast	•••	•••	25th September—7th October.
Tata i	Rains —			CCn	i tra	••• .	***	8th October—21st October.
		4. 004	• 5 7	(Sv	áti	•••	•••	22nd October—3rd November.
2	22nd Oct.	to 3711	¥01⁄1 I	AI	snakha urádha	•••	•••	4th November—17th November. 18th November—30th November.
I	December.							

The average given in the tables is that for eleven years ending 1892, except for very few stations. The rainy days are compared with last year only.

The anna valuation given in the remarks is on the basis of 16 annas representing an average crop.

Synopsis of Rainfall Summary, 1893-94.

	-	Кня	RIF.	RA	BI.	General Remarks as to
District.		Rain.	Harvest.	Rain.	Harvest.	Rain,
West Khandesh	4	Seasonable, but excessive for cotton.	Fairly good	Seasonable, but injurious at harvest time.	Fairly good	Above average.
East Khándesh	` ***	Do	Fair	, Ďo	Fair	Below or upto average.
Násik	***	Seasonable, but prolonged break in July.	Fairly good	Do	Fairly good	Upto or above average except in east.
Ahmadnagar	•••	Do. also break in October	Fair	Do	Fair	Average.
Poona	•••	Sufficient, but irregular.	Do	Do	Do	Do.
Sholápur	•••	Do	Do	Do	Do	Upto or above average.
Sátára	•••	Seasonable, and sufficient.	Fairly good	Do.`	Good	Slightly below or upto average.
Belgaum	481	Seasonable but prolonged break in July and September.		Do	Fairly good, but poor in Khana- pur,	Upto or above average.
Bijápur	•••	Scant in the be-	Good	Do	Good	Above average.
Dhárwár	•••	Sowing rain de- ficient.	Fairly good, but rice poor.	Do	Do., but cotton only fair.	Upto or above average.
Kánara	•••	Seasonable and sufficient except above Gháts.		Seasonable	Fair	Below or upto average.
Ratnágiri	***	Seasonable, but in July.	Fair	Do	Do	Below average.
Kolaba		Seosonable and sufficient.	Fairly good	Do	Do	Nearly average.
Tháns	.	Do. except in north.	Good, except late rice.		Do	
Surat	•••	Excessive for sowing.	Fair, but cotton and rice poor.	Do., but cloudy weather at harvest time.		Upto or above average.
Broach	•••	Do	Do	Do	Fair	Above average.
Kaira	•••	Do. Uttara injurious to bajri.	Fair	Do	Do	Do.
Panch Maháls	•••	Do	Do. but maize poor.	Do	Do	Do.
Ahmadabad	•	Do. also injurious at harvest time.	Rice fair; Juar, bajri poor.	Do	D0	Above or upto sverage.

West Kha'ndesh, 1893.

	Davi	.TA.	PIMP		NAND:		Naváp	UB.	TALO	Α.	SHÁŘÁ	DÅ.	SHIRP	UR.	SINDK DA.		AMALN	ER.	Páro	LA.
Rain Periods.	Fall.	Rainy days.	Fall.	Rainy daye.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Pall.	Rainy days.	Fall.	Rainy days.
·	In,		In.		ln.		In.		In,		,In,		In,		In.		In.		In.	
Early Rains	1.19	4	0.12		0.11	1	***	•••	0.04		0.14	1	0.81	3	0.79	8	1.49	4	2.93	6
Ante-Monsoon	0.87	,	4 ·70	4	1-47	.4	2.48	8	8.63	5	8.09	4	0-94	2	0.82	8	1.80	4	8.57	8
Monsoon-Kharif	12:60	2 3 i	11.75	20	21-60	86	42 22	41	\$0·2 3	44	27-24	82	20'80	26	20-30	27	11-93	26	15:45	25
Monsoon-Rabi	7.75	9	4.16	,12	15-80	14	12:10	19	10.68	14	7-16	12	9.89	16	. 8.03	11	8-99	14	4.01	10.
Late Rains	2.80	8	2:49	. 8	3.49	4	3.21		. 0.66	3	0.68	3	2.59	3	1.89	8	2.45	2	1.17	2
Total	24.77	61	\$3·82	89	41.07	59	60-31	67	45'23	65	88-31	52	34-53	50	82-82	47	24.66	50	27.13	46
•garo7Å	27:61 •	49	24.37	36	32.81	46	85-08	64	82.80	59	30-09	55	28*77	46	21.53	36	28:35	39	32.21	60

General characteristics.—A hilly and rugged tract, except where the wide black-soil plains extend on either side of the Tapti and its tributaries. Rainfall very heavy in the Dangs.

Remarks.—The total rain exceeded average except in three talukas. The welcome ante-monsoon showers promised an early and full cotton season, but the sowing of the later kharif crops was hindered by a continuance of the Mrig rains into Ardra (late June). In July the rain was generally normal. The break at the end of that month was required. Cotton suffered from excessive rain in August. The fall in September was less and more intermittent, thus favouring growing crops and the rabi sowing. The useful Hast rain in early October was too heavy for bajri and cotton, and this was followed again by injurious harvest showers in early November. But for cloudy weather and unseasonable rains in February the rabi would have been excellent. As it was, the early and late crops were reduced a good deal below average, being estimated from 10 to 14 annas,

East Kha'ndesh, 1893.

																					,			
	CHA		Pic		BHA		EB		CH DA		JA		JÁ1		BH BÁV		ED.		Siv	Δ.	Yáy	AL,	Rív	er,
Rain Periods.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fell.	Bainy days.	Fall,	Rainy days.	Fail.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.
Early Rains	In.	5	In. 1'91	6	In 8 18	5	In. 1.43	5	In. 1 02	. 5	In. 1.98	.6	In, 1-29	.3	In. 8-20	6	In. 8.64		In. • 4 •12	8	In. ,	. 6	In.	6
Ante-Monsoon	4.28	3	4.50	5	8.02	5	. 8-92	7	5.92	8	2 · 12	5	8.08	5	- 20-67	7	1.97	4	3· 84	10	4:00	7	8.75	4
Monsoon-Kharif	19:6	22	18:43	22	14-81	24	12.81	28	14 64	25	16:42	32	18-27	29	19-10	30	14-09	23	15.76	28	.14-53	.24	11:27	: 18
Monsoou-Rabl	10-3	19	8-46	17	8-52	13	5.14	9	8-39	11	8.30	12	10-60	22	7:01	12	13,00	21	13/43	16	. 6 ·12	17	11-09	15
Late Rains	0.01	3	0/95	9	1-12	8	• 1-81	. 8	2145	4	2 -17	2	3 ·14	4	2-15	8	0-57	2	- 1.08	\$	2.08	4	1-32	4
Total	81-1:	51	34-00	51	80.05	49	25.10	60	33-12	51	30-99	57	86.36	63	84.03	58	38-27	57	38-23	65	29-91	- 58	31.96	47
Average	86-91	59	84.33	59	80.09	66	85*17	59	83-42	49	86-20	57	37-23	56	36-32	56	80-14	45	82-83	48	29-90	45	82.21	55

General characteristics.—In the north, high hills of the Satpudas. The southern and western portions are also hilly, but the hills less high and continuous. Drainage by the Tapti, the Girna and the Purna. Rainfall larger than in the West Khandesh, but less certain,

Remarks.—The rain was rather below than above average. It was sufficient, but not well timed. The early showers favoured early cotton and the preparation of land for all kharif crops. In mid-June the fall was more than sufficient, necessitating a resowing of cotton in places. August received rain, seasonable for all but cotton. Though the rabi sowings began under favourable showers, the rain in Hast was deficient. November rain did considerable injury to bájri as well as cotton. This unfavourable kharif harvest rain was followed by clouds in February, which were equally unseasonable for the rabi. Rice was a poor crop, and the estimated yield of other crops (10 to 12 annas) is even lower than in West Khándesh.

Na'sik, 1893.

	NA'81	K,	IGATE	URI.	Sinn	AR.	Nipii	A'D.	Yno	LA.	NAN GAO		GYO W V,I		SATA	na.	Kalv	AW.	CHÁN	DO 11.	Dinde	ONI.	Purs	т.
Rain Periods.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall	Bainy daya.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy daye.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fall.	Raine days
	In.		In		In.		In.		In.		In,		In.		In.		In.		In.	 	in.		Ia.	
Eurly Rains	0.23	1			0.10		0-11	1	0.72	1	0.74	2	0.21	1	0.24	1	0.08	***	0.43	1	0.81	2	0.03	١.,
Ante-monsoon	8.28	4	3 -08	5	2-25	7	3.32	8	2.68	7	8-15	в	0.08	6	4.02	Б	9.80	8	5 •63	7	4.60	8	1.22	
Monsoon-Kharif	29.95	33	113:38	66	20.41	32	19.06	24	13.48	20	9.72	17	7.22	23	13.30	10	20-17	80	15.67	28	29.93	39	82.18	5
Monsoon-Rabi	6.12	14	34-86	39	3 ·58	10	3 97	11	2.61	6	6-67	17	6.66	10	4.36	7	6*42	18	4.03	10	4.63	10	17:68	9
Late Raine	0.50	2	1.13	1	0.58	8	0.82	8	1·2 i 	4	0.75	2	1.20	8	8.14	8	1.19	3	1.45	8	2 •36	4	0.81	
Total	39-38	54	152.46	111	26*63	51	20.78	47	20.83	38	21.03	44	21-35	43	25'09	35	87.06	59	28.01	49	42:43	0 3	115.03	0
Average	33.74	60	11110	110	29 .05	61	25.97	61	24.76	49	34-11	48	25.24	40	25.10	42	29.67	53	81.41	64	33 05	59	95.71	9

General characteristics.—The district is divisible into the Desh (or open country) and the Dangs (near the Sahyadris with heavy rainfall and primitive cultivation). The west portions of Nasik, Dindori and Igatpuri and the whole of Peint belong to the Dangs.

Remarks.—In the east the fall was somewhat below average, but conditions were the reverse in the west. Everything went well for kharif till the useful break at the end of June was prolonged far into July in the eastern (rabi) tálukas. This made some of the kharif sowings too late, and the late sown kharif did not receive enough rain in September. The Hast rain, though light, was most copious in the rabi tílukas where it was most needed. The kharif harvest was reduced by the November rain, which nevertheless was good for standing rabi. The kharif yield was up to average in the central tracts but somewhat reduced (10 to 12 annas) in both the east and west. Rabi was full average in Násik, Niphád, Báglán and Kalvan, but elsewhere only 10 to 12 annas.

Ahmadnagar, 1893.

	1 Nag.	AR.	PA'R		Surio	8 Bonda,	KAR.	JAT.		б Kund.	SHEV	B GAON.	Nav4	/SA,	BA'H	URL	Kopa	9 RGAON.		IO Amner		II OLÁ,
Rain Periods,	Fall	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Foli.	Rainy days.	Fall	Rainy days.	Fall.	Rainy daye.	Fall.	Rainy daye.	Fall,	Rainy days.
•	In.		In.	_	In,		In.		In.		In.		In.		In.		In,		în.		In.	
Early Rains	1.33	1	0.51	1	1.22	2	2.20	1	2.01	4	0.83	1	2-17	1	0-27	1	0.81	1	0.03	··· .	0-59	1
Ante-Monsoon	5.97	9	6.83	11	10.26	6	8. 30	6	4-30	9	4.75	5	4-10	6	5.80	7	4.81	5	5.80	7	9*16	6
Monsoon-Kharif	7-11	14	13*47	28	6-20	10	7:45	12	8.68	18	7:35	19	5-99	18	8*00	19	18-10	20	19-13	20	21-01	27
Monsoon-Rabl	10.68	16	6 •75	15	9.78	16	9·17	14	21.74	13	10-20	24	9.28	19	5-82	12	8-13	16	8-63	8	8-87	9
Late Rains	0.98	2	0.62	2	0.70	1	0.88	1	0.43	1	0.93	8	1-29	4	1.33	8	1.39	8	0-87	4	1-98	4
Total	25'55	42	27-98	52	28-16	35	21.59	84	87 •2	65	23.85	51	23.13	46	21*11	42	29-54	45	23-35	89	30 0 3	46
Average	26-87	63	26.71	63	22°35	40	24*95	40	31·7 5	64	29.20	64	26-21	50	26-02	49	20-11	40	23-26	47	24196	63

General characteristics.—(1) Desh—Godávari valley (tálukas 6 to 9): rich alluvial plains growing much wheat. Rainfall very uncertain. Bhima and Ghor valley (tálukas 3 and 4) alluvial, but less fertile. Rainfall more capricious. Good year exceptional. Tálukas 1, 2, 5 and 10 lie between these valleys. Alternation of bare hill and treeless plain with occasional fertile well-wooded tracts. Rain more regular. (2) Dángs—Half Akola has very heavy rain, half abuts on the Desh. The record shows the fall of the plain portion.

Remarks.—This district on the whole received more rain than usual in the talukas where insufficient rainfall is the rule. e. g., Shrigonda and Kopargaon, but it was ill distributed. Kharif sowings were made very late by continuous heavy rain in June, after promising earlier prospects. The July fall was scant and the standing crops were in distress till early September. The Hast rain was only moderately heavy, and it was followed by a dry period of six weeks. This made the unusual rain at the end of November especially valuable. Rabi (12 annas) was better than kharif (8 to 10 annas).

в 1316—2 ар

Poona, 1893.

	Poor	IA,	Pau	ъ.	VADG	LON.	Lona	YLA.	Kn	D,	GHo	DA.	JUNN	AR.	Sirv	n.	Sa'sv	AD.	Ba'r mai		Дно	ND.	INDA	'PUR
Rain Portode.	Fall.	Rainy days.	Fall.	Rainy days.	Fail.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.
	In.		In.		In.		In.		Įn.		In.		In.		In.									
Early Rains										••		••	0.36	1	0.16	1			0.31	2	0.76	2	1.29	4
Ante-Monsoon	4.68	7	1.46	ō	2.85	. 7	6.18	7	6-14	7	2.86	8	1.89	4	9-43	9	5.61	6	13.48	10	8.90	7	6.81	8
Monsoon-Kharif	20-53	26	46-61	62	31.72	36	153.50	68	19•83	28	24-48	32	27-83	33	8-26	18	12-99	23	8.00	12	7:44	14	6.02	16
Monsoon-Rabl	5.88	11	12.06	25	7-68	23	47-44	43	8.57	10	7.22	14	6-21	18	8-69	13	9.55	15	11.81	18	5.65	13	9-19	19
Late Rains	1.03	4	0.64	1	0*91	2	1-15	2	1-05	1	1•32	2	0-77	2	0-09	••	1.00	8	0.75	4	2*51	2	0.24	1
Total	32-12	48	60-67	83	46-16	68	208-28	118	28*59	46	35*68	54	87•06	57	26*63	41	29-15	47	34:35	46	22- 26	88	23-55	48
Average	36-60	67	67-22	81	57*74	74	171-50	119	25*03	53	32 87	63	34-49	59	24 47	53	26:08	69	24.57	61		43	26•38	57

General characteristics.—The district varies from a heavy certain rainfall to a most scant capricious one. Sure rain is enjoyed by the west portions of Junnar, Khed, Haveli and all of Mával. A moderate but regular rainfall characterizes the central belt, while the Bhimthadi and Indápur tálukas are uncertain and irregular like the adjoining tálukas of Sholápur.

Remarks.—The aggregate of rain was nowhere much below average, and in some talukas, owing to unusually heavy ante-monsoon downpours, was above average. The rain was irregular. The kharif sowings were late, and felt the break in July, which also brought rats and caterpillars. Both in August and September the supply was scant. Later rains were more satisfactory. The yield of both kharif and rabi was considerably under average, say from 9 to 13 annas, for in places the crops were somewhat better than in Sirur and Indápur where the deficiency of the late rains was most conspicuous.

Shola'pur, 1893.

			SHOL	YPUR.	Ba'ı	RSI,	Ma'ı	DHA,	Kari	(A'LA,	PARDII	ARPUR.	Sa'no	OLA.	Ma'le	SIRAH.
Rain Period	da.		Fall.	Rainy days.	Fall.	Rainy days,	Fail.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.		Rainy days.
			In,		In,		In.		Ín,		In.		In.		In.	<u> </u>
Early Rains	••		3"45	4	8.89	8	2.91	7	2-13	8	1.89	4	1.80	2	0.78	1
Ante-Monsoon	••	••	6.14	10	4-93	7	8-42	7	8.03	10	4.88	8	6.03	12	8.19	,
Monsoon-Kharif	••	[8'40	13	12.03	18	8-91	16	8.76	18	8-32	14	6-66	11	4.03	13
Monsoon-Rabi			14. 20	19	11'58	19	10'22	19	13-19	21	13.54	28	12.65	18	12.58	10
Late Rains	••		0.58	1	1.37	8	0.60	2	0°24	1	1.18	2	0.82	2	0.62	*
	Total	•	38-35	47	83.79	55	81•06	51	32-85	58	29-79	51	27-96	45	26-18	45
Δv	erage		32.78	57	35-67	68	31-81	61	27-66	55	29.01	60	23-17	57	23.36	

General characteristics.—The isolated táluka of Bársi is richest, and has the surest rain; but the minfall is scanty all over the district, and very capricious.

Remarks.—The rainfall was well up to average throughout, and above average in Málsiras and Sángola, but it was irregular. More than enough fell before the time for the usual monsoon rains, and the early monsoon rains were also very heavy. The kharif crops were put in under favourable conditions, and did not suffer so much from the long break in July as elsewhere in the Deccan. The kharif harvest would have been very good but for injurious rain in October (Chitra). The Hast and Chitra rain favoured rabi, but the late crops suffered much from most unseasonable rain in February. The kharif outturn was below average, especially in Karmála and Málsiras. Rabi was fair (8 to 12 annas).

Sátára, 1893.

		SA'TA	EA.	Korko	AOM.	WA'	ī.	KHAN	DÁLA	Мво	11 A.	MALCO		PA'T	AM,	KAR.	A'D.	Pat	u.	SHIRA	LA.	DARIV	ÅDI.	VAD	vJ.	Vit.	4.	TASUA	O¥.
Rain Periods,		Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy daye.	Fall.	Rainy days.	Fall,	Rainy daye.	Fall.	Bainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy daye,	Fall,	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fall,	Rainy dave.
	I	In.		In,		In.	_	In.		In.		In,		In.	_	ln.		In-		In,		In.	_	In.	Γ	In.	_	In.	
Early Rains	ŀ	80.0	•••	***	•••	***		***						0.12	'n			0.08			,	0.49	2	0.50	1			0.59	;
Ante-Monsoon	ŀ	4.60	10	5 ∙91	11	6-73	6	4.02	8	5-19	9	8.46	9	8:37	11	7.69	8	4 99	5	7-49	10	3.92	11	7:46	18	6.07	11	3.01	1
Monsoon-Kharif	. 2	27.07	35	19.77	29	14•79	28	12*28	21	66.53	46	196-51	69	47.60	49	13.00	27	9.10	18	16-78	30	8.69	15	7:61	18	8-41	19	9.72	21
Monsoon-Rabi	ŀ	11-39	23	8-23	17	6.76	15	ō•50	14	12-30	28	79-42	52	11-71	29	11.42	18	8.78	15	8.08	21	9.83	16	10.71	16	9.60	18	10.00	23
Late Rains 🚥 🖰	·	0*88	`4	0.12	1	0.67	8	0.88	4	1-45	5	1.42	4	0.73	. 2	1.26	8	0.36	8	0.68	8	1.22	8	0-60	3			0*84	:
Total		13.96	72	27-46	58	27-95	52	22.71	45	95-17	88	285.81	134	68.53	92	33.67	56	29*25	41	33.93	64	21.18	47	26+58	60	24:08	47	24110	81
≜verage	4	15.30	80	80.03	74	34.28	68	23'40	55	76.21	87	292 59	129	78 81	93	36.43	76	30.01	65	12 80	69	22-98	57	24.50	65	26-13	67	20.52	G.

General characteristics.—Western Belt—Parts of Jávli, Pátan, Wái, Sátára and Válva, hilly. Regular and heavy rainfall. Central Belt—East portions of above and all Korcgaon and Karád. Rich, well-watered valleys. Eastern Belt—The rest chiefly a waving plain and of poor land. Uncertain rainfall. But south portion of Tásgaon rich, well-wooded plains.

Remarks.—In the south and East the fall was somewhat below average, but elsewhere normal in amount or more than usual. The early promises were very good, and the break at the end of June most seasonable, but scant rain in July, and long breaks encouraged rats and caterpillars. The August and September rain was somewhat light, especially in the north-east. The general and heavy rain of Hast and Chitra was everywhere seasonable and sufficient. The kharif yield is somewhat underestimated at from 10 to 12 annas. The rabi harvest only suffered from cloudy weather and rain in February, and may be taken to have reached close on 14 annas. The February rain was accompanied by extraordinary hailstorms in Khatáv táluka, which caused loss of life among human beings as well as cattle.

Belgaum, 1893.

	BELG	AUM.	CHAND	GAD.	KHA		Samp	KOAS	SAUR!	DATTI	Mur	30D.	Gos	A'E.	CHI	EODI,	HUR	zri.	ATI	INI,
Rain Periods.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy daya.	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.
•	In.		In,		In.	}	In.		In.		In,		In,		In,		In.		ln.	Γ
Rarly Rains	0-77	2	1.81	5	2.75	1	0-20	2	0.68	1	0°01		1.88	8	1.05	2	8.72	3	0.41	1
Ante-Monsoon	8.81	10	5.61	8	6.26	10	8-63	8	8-58	8	6.13	10	6-84	6	415	7	1'96	6	8.03	15
Monsoon-Kharif	21.06	40	62-25	58	35.81	47	8-61	25	5.84	17	8-01	22	4.74	11	15-68	28	8.03	21	9 34	22
Monsoon-Rabi	14.08	28	21.03	86	16-80	88	11:14	25	10.62	18	10.30	17	17-10	16	14-15	23	14.89	17	12-29	21
Late Rains	4-97	4	1.98	5	5'12	6	8.00	3	8-04	4	8.23	8	2.29	8	1.79	•	2.09	4	1'17	*
Total	49:67	84	92.68	112	65-74	97	27-64	63	23.71	48	27-97	52	89·15	41	36-82	64	31-18	60	31-24	69
Average	51:49	94	107-26	107	67-27	92	29.15	67	24.78	54	26-64	71	26.72	62	29-28	71	26-79	54	24.07	51

General characteristics.—Near the Sahyádris the rain of the south-west monsoon is very constant and heavy (Belgaum and Khánápur). Further east, Chikodi, Gokák and Sampgaon, it is fitful. The eastern tálukas show a fitful fall, but this is suplemented by a scanty supply from the north-east monsoon (which comes generally in October and later).

Remarks.—There was no deficiency in the total full, and indeed the average was exceeded in the north, notably in Athni. In the rice tracts the early rains were unusually abundant. Other kharif crops received good sowing showers. Prolonged breaks in July induced rats and caterpillars, but good rain came in August except in Athni. The light fall in September made the standing kharif suffer and delayed rabi sowings. Early October brought good rain. Falls in November injured rice and jowari, ready for the sickle. It benefitted the rabi, but this was again checked by unseasonable harvest rain. The season was irregular, and can only be called fair, while rice in Khanapur was poor. Rice is estimated between 8 and 12 annas, jowari and bajri between 10 and 14 annas, while outside Khanapur (4 to 6 annas) the rabi may be taken as between 10 and 14 annas also.

Bija'pur, 1893.

	BiJA	PUR.	ING)I.	BIND	GI.	BA'0		MUD		BA'GA1	KOT.	Вил	91.	Ba'da	'ні,	Hung	UND.
Rain Periods.	Fail.	Rainy days.	Fall.	Rainy days.	Fall-	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.
	In.		In.		In,		In.		In.		In.		In.		₹D.		In.	
Early Rains	2.49	5	1.86	4	3 ·70	6	1.82	7	1.45	3	8-24	3	2.93	8	1.68	8	2.01	4
	4.04	10	3-90	9	1.99	9	7.56	7	5-24	9	4.73	9	5-02	8	7 ·18	10	2.87	8
Monsoon-Kharif	5.63	11	9.65	22	7.84	18	10-47	17	12*58	20	8 94	17	7:97	18	7 22	22	7.60	16
Monsoon-Rabl	15-13	20	23-48	23	:1-13	25	14.33	24	20.85	25	15.42	24	12.79	16	18.88	27 -	10.03	19
Late Rains	1.66	8	1 ·18	2	0.82	4	1.47	3	1.26	4	2-07	2	2.63	8	1.70	8	2.05	2
Total	28-95	49	40.07	60	34.48	62	35.65	58	41.63	61	4 40	55	31.84	48	36.64	65	25•46	49
Average .	26.63	63	23*10	58	31-28	66	26.78	57	27*62	63	26.03	65	23.71	54	28:56	62	23•29	58

General characteristics.—This district receives its rain from both the south-west and the north-east monsoon. Hungund enjoys an even and generally sure rainfall. Bágalkot and Bádámi fare well as a rule. The rich plains of the Krishna and Don valleys are uncertain. The north tálukas of Bijápur, Indi, and Sindgi have capricious and light rainfall.

Remarks.—Fall well above average and though not as heavy as elsewhere in the beginning, it was better distributed, and more seasonable for the wants of the district. The break in July brought rats, but it was not protracted. August gave good rain for standing kharif and for cotton sowing. The rain in September was favourable and though the October rain was excessive for kharif, it did great good to rabi. The rabi harvest would have been bumper but for the unseasonable harvest rain. The reports of yield tend to show a crop considerably below average, but they are not consistent with the facts noticed, and the Collector goes so far as to say that there has not been a more generally favourable season within the memory of living man.

Dha'rwa'r, 1893.

) W	IA'B- L'T.	-	Must	D.	Нив	LI.	Ка она	ro1,	BANK		HA'N	g A L.	Ko	D.	Ra'nn Nui		KARA	JG1.	GAD/	ig,	Munda	rgı.	NAV.		Nargi	JND.	Ros	A.
Rain Periods.	Fall	. Paris	namy cays.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	tainy days.	Fail.	Rainy days.	Fall.	Rainy days,	Fall.	Rainy days.										
	In			ſn,		In,	ļ	In.		In.		In.		Ĩn.		In,		In.		In.		In.	`	· In.	1	In,		In.	1
Farly Rains	0.8	5	1	0.43	2	0-84	3	3.25	2	1-15	2	0.19	1	0.70	1	1.05	1	0.79	2	0.73	4	0.31	1	2.17	3	2.00	2	1.36	4
Ante-Monsoon	9.5	4 1	4]	9.85	14	6 46	13	6.13	12	4*09	10	3.67	8	1-40	4	5*58	8	4.08	8	8.07	10	6'48	13	5-81	10	6.62	9	4-17	9
Monsoon-Kharif	8-2	2 2	:8	9.01	29	11-43	27	11.63	40	8-05	30	18.60	39	9.40	33	5.79	13	9.11	21	919	15	8.76	11	4.89	9	9.04	13	8-89	17
Monsoon Rabi	11.6) 2	0	14-41	28	14-29	24	15.98	24	11.55	22	11.86	26	8°93	17	9'41	17	13.77	22	11.63	20	10-26	14	11.41	22	16*32	22	18-45	26
Late Rains	2.6	3	4	1.85	8	1.44	4	2.34	8	2*34	5	5.01		8°75	5	4.43	5	8.66	5	2-45	4	9.27		2.60	4	8.01	7	1.84	4
Total	. 32- 8	4	73	35•55	76	34 48	69	39.61	86	27:18	69	89-33	78	24.18	60	26.58	44	31'41	58	27.07	53	24.08	44	27·18	48	37.03	53	29.71	60
Average .	. 33·1	9 0	38	80 73	70	28-09	61	36*41	84	25.42	71	41.41	79	29-11	55	24.63	83	25.15	64	25.71	53	20.11	43	28.51	61	26.10	42	28·10	53

General characteristics.—The district is composed of hilly tracts—the mallad growing rice and hill grains (Hangal, Kalghatgi and Kod) and the black-soil plains growing cotton and wheat (Gadag, Ron, Navalgund and Hubli), or cotton but no wheat (Karajgi and Ranebennur). The Dharwar and Bankapur talukas are partly mallad. The soil of the mallad is red and gravelly, but the rainfall is steady and comparatively heavy. It is more sure and seasonable the further to the west. The proverb says: 'Good rain won't give a big crop, nor will bad rain bring famine.' This is in comparison to the fertile black-soil plains, where with good seasonable rains the produce is very large, but where the fall is irregular and uncertain, and where there is always risk of drought.

Remarks.—The total rain was nowhere noticeably below average. The season opened well. In July sowings were somewhat retarded, and early sown crops were distressed. In August relief came and cotton was favourably sown. The deficiency of September rain made itself seriously felt to the rice and other kharif crops. Hast and Chitra gave good rabi rain. Scant falls in September and unseasonable rain in November combined to give a poor rice crop (say 6 annss). The other kharif staples were fair (9 to 14 annas), and the yield of rabi with cloudy weather in February was about the same. Cotton was considerably below average in spite of early promise.

Ka'nara, 1893.

	E	[A'RWA'	R.	ANKOL	۸.	Kont	۸,	Ножа	AR.	BHATE	AL.	Haliya	L.	Sur	▲.	YELE		Минр	GOD.	Sire	M.	Sidda'i	≀UR.
Rain Periods.	- -	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Bainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Full.	Bainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy duys.
	ļ	In.		In.		In.		In.	•	.In.		In.		In.		Ja.		In.		In.		la.	
Early Rains	1	. ••.	٠.,	••	٠٠ إ	••	::			••	••	2-18	5	0.81	1	0. 60	2	0.46	1	1.26	4	0.38	7
Ante-Monsoon	$\cdot $	12-85	7	9.89	7	7.65	6	9-25	9	8.63	9	6-12	9	5.75	9	8:32	11	2.38	7	8-00	to	7:42	s
Monacon-Kharif .	$\cdot $	65-99	58	87:45	63	92-93	61	103-67	65	97-79	65	16-15	\$1	43 -29	57	45.68	5 0	18.11	39	51.13	O1	66.46	61
Monsoon-Rabi	$\cdot $	30-67	89	87-81	43	31.95	43	33-31	43	44.05	47	17:07	33	21.73	89	22-19	30	13.70	85	24-35	12	29-26	42
Late Rains	\cdot	2-47	4	2·43	4	4-48	5	3-40	4	ē·15 .	5	T 21	6	7•58	6	4-93	Б	2.18	6	4-44	5	4 25	5
Total		111-98	108	137-58	117	137-01	115	149-63	121	155-62	126	43. 73.	97	79.16	112	81.81	113	37-13	68	93-80	122	107:77	119
Average .	آ !	129-20	130	134-76	181	151-88	127	148-02	128	155-01	137	49-27	94	99-52	102	102-60	107	43.92	90	102-45	110	112*21	in

General characteristics.—A hilly and thickly wooded district, divided into two parts by a broken and irregular range of hills. The low land or coast tract has the heavier rainfall; in the upland the fall rapidly decreases with the distance from the Sahyádri crest.

Remarks.—Above ghats the fall was distinctly below average. The deficiency of rain in July retarded transplantation of rice. Though the rain was good in early August, there was again a deficiency in the later part of that month, especially in the upland talukas. In September similar conditions continued, for Uttara and Hast were light. Later in Chitra prospects improved. The rice crop was damaged by harvest rain, and is estimated at 13 annas, but it was much poorer in the Karwar taluka, and in the north-east of the district. The rain was seasonable for crops above ghats, but insufficient, and these crops were below average.

Ratna'giri, 1893.

	Rates'	IRIG	Vengu	R L A.	Ma'ly	AW.	DEAG	AD.	Ra'ja	PUR.	BANG Mase	ia- Var,	CHIPL	U'R.	GCHA'	GAB.	Kes	Ď,	Da're	LI.	Manda	KGAD
Rain Periods.	Fall,	Rainy days.	Fall.	Rainy daya.	Fall,	Rainy days.	Fall.	Rainy days,	Fall,	Rainy days.	Fall.	Bainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fail.	Rainy days.	Fall.	Rainy days.
	In.		In.		In.		In.		In.	•	In.		In.		In.	İ	In,		In,		In.	
Early Rains	••,				••	••	••	••			0.04			•	••	-		٠٠.			 	
Ante-Monsoon	8-42	6	7:09	7	6.50	8	10-32	4	11 .90	6	J1-75	6	11.84	.8	10-81	8	8:73	6	8.08	6	10•73	5
Monsoon-Kharif	59.54	55	60 *2 6	52	80·12	51	54.74	50	84-81	64	92-52	63	86*84	6 5	54-96	56	87-35	61	90-63	60	109·18	62
Monsoon-Rabi	19 -67	84	22-63	81	17-66	28	17*88	28	27-65	42	40-54	48	89-08	40	20.65	83	48.78	49	86-12	40	37.55	87
Late Rains	0-36	2	1.87	2	1.98	8	0.81	2	1.05	5	0-10		0.20	2	0-16	1	0-24	3	0.03		0.92	2
Total	87-99	97	91.85	92	85.57	85	83-28	84	124'91	117	144-95	117	126.71	115	92.58	98	140 09	111	125-76	105	156-38	106
Average	106-99	108	118-13	114	100-87	118	95-23	106	1 49°5 5	113	162-52	i21	155-74	123	107:74	104	147-48	118	146-69	116	165-87	117

General characteristics.—The district is formed by a narrow belt of low land; though hilly, and rugged as a whole, the valleys are more open near the Sahyádris than towards the centre, and these again fall into nearly level plateaus towards the centre. The rainfall is abundant and regular, being considerably heavier inland than on the coast.

Remarks.—The regular monsoon fall was somewhat late, and the after rain in July and August was hardly up to requirements. Again the lateness of the rain in Chitra retarded reaping. Hice, the chief crop, is estimated at only 10 annas, and harik at even less; but it is questionable whether these estimates are justified. Nevertheless it is clear that the total fall was below the mark.

Kolába, 1893.

	Ашвя		PANT	EL,	URA		KABJ.	AT,	MA'THE	RA'N.	Kua'la'	PUB.	PEN	•	Rou	٠. ا	OKÀ M	MON.	MA'E	A'D.
Rain Periods.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy daya.	Fall.	Rainy daya.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.
· · · · · · · · · · · · · · · · · · ·	In.	_	In.		In.		In.		In.		In.		. In.	 	In.		În,	,	In.	
Early Rains	0-06		0.45	1					••		••		••	••	,,		••		•••	
Ante-Monsoon	8.74	4	8-57	5	2*68	3	4.88	5	6-61	5	6.95	4	1.77	4	4*86	5	4.94	4	4•36	5
Nonsoon-Kharif	60:70	57	92-01	61	64-05	56	101.81	61	156-87	64	93*44	62	89.05	58	64.29	63	75*02	62	101-33	61
Monsoon-Rabi	15.88	29	26.59	35	17:38	29	85•72	35	60-88	45	38:48	37	27.43	41	81.31	39	35-73	37	38-12	39
Late Rains			0-11	1		••			`						0.08		0 08		0-43	2
Total	80:38	90	123-73	103	84:11	88	142'41	101	214-36	114	138*87	108	117-25	103	100-84	107	115.77	103	144-24	107
≜verage	91-77	97	121-59	100	99.85	95	130-81	103	221'93	127	133-12	106	121-92	111	127*67	108	136-16	114	138-95	118

General characteristics.—A rugged belt of country from 15 to 30 miles broad. Rainfall abundant and regular, being heaviest in parts towards the Sahyadris.

Remarks.—Only Panvel, Karjat, and Máhád received a full average supply of rain. The early rain was seasonable, but that of the latter end of June somewhat excessive. In August and September, rain was not only seasonable, but sufficient, except in Alibág. The Hast and Chitra showers were light. There was no harmful harvest rain. Kharif 12 annas, except nágli and vari, which were a little poorer. The rabi reached 10 annas.

. Thána, 1893.

	THÁR	۸.	KALYA	. x.	Murdá	.D.	AH'AHZ	PU 🛳	Morna,	D▲.	Вычк	DI.	Bassi	ein.	ĀŢDW	•	M₄'nı	nx.	Да'на	'NU.	UMB. GAO	
Rain Periods.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy daye.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall	Rainy days,	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy daya.	Full,	Rainy days.
İ	Ìn,		, In.		In.		In.		In.		In.		. In.		In.		In.		In.		In.	
Early Rains	::	***				,==	***		0.08		•••	•••			0.21	1	0.02		0.08			
Auto-Monsoon	2.03	3	2-64	3	7•52	4	7 93	4	2-68	5	8.51	4	2.76	3	3-64	4	4'17	4	1.72	3.	; 	
Monsoon Kharif	71.39	57	87-85	60	89-69	52	04-59	58	99-49	61	88-70	56	65'14	49	78-67	51	45.48	46	54"37	39	54.15	46
Monsoen-Rabi	20.18	87	20.15	39	26-01	34	26.27	36	22.94	33	25°83	83	18:47	26	24-21	31	10 43	22	7-33	23	8.21	22
Late Rains	0.32	1	0-26	1	0*18		0-69	2	0.48	2	514		0.16	1	***		0.60	2	0.24	1		-
Total	93.95	98	110-90	103	123'85	90	129*48	98	125-67	101	117:24	93	86.53	79	106.73	87	60•73	74	63-72	65	62.66	66
≜verage	102-50	100	106-98	95	104*96	95	110.64	103	102-26	105	107:70	95	82·16	87	96 50	101	61-24	71	75*00	82	69.15	73

General characteristics.—Inland, the district is well watered and well wooded. Rainfall abundant, being considerably more inland than on the coast and less fowards the north than towards the south.

Remarks.—Fall almost everywhere decidedly above average. The first monsoon rains were a little late, and in places too copious. In July, however, and in August the falls were seasonable. Rice suffered from the lightness of the Hast rain, especially in the north. Rice was good (14 annas), and early rices even better. Hill grains 10 annas, and garden crops nearly up to average.

Surat, 1893.

	Sun	AT.	OLP	ÁD.	Ránc	ur.	MARI	TI.	Bind	OLI.	VAL	o n.	JALAI	.PUR.	Cau	RLI.	Bor	8ÅZ.	PAI	LD1.
Rain Periods,	Fall.	Bainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fait.	Rainy days.	Fall.	Rainy day 8.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fall,	Bainy daye.	Fall.	Rainy days.
	In.		In.	.	In.		In.		In,		In.		In.		In,		In,		In.	
Early Rains	. 010	1			ļ		0.04		0-03		*		0.02		••		0-09		0.03	
Ante-Monsoon	0-17	1					0.08		0.59	1	0.18	1			0-88	3	0.01		0-25	1
Monscon-Kharif	35*45	36	3 3-00	26	35-31	32	49*48	45	52.00	46	51-90	51	30724	37	59*11	49	45-41	47	61•72	83
donsoon-Rabi	9-26	13	11.10	10	9-65	11	14-48	17	11.31	16	11*36	1,3	7.04	14	12.33	20	8.20	18	8-37	55
Late Rains	0-47	1	0.18	1	0.32	1	1.77	3	0-54	1	1.53	2	1*18	1	1.40	ı	0-66	1	0.24	1
Total	45.45	51	44-37	87	45.28	44	65*83	64	64-19	64	64:61	67	39.33	52	73.72	73	84.78	66	70.63	77
Average	. 46-64	60	37*64	60	43.21	62	58*28	65	58.68	73	61 -83	72	62.61	71	72:37	75	70° 84	71	80'07	83

General characteristics.—Western portion all along the coast poor sandy soil; central belt with rich soil and moderate rainfall; further to the east Dangs with heavy rainfall but light soil. As a rule, rain lighter on the coast than inland.

Remarks.—The fall was below the mark in three talukas, and full average elsewhere. There was excessive rain in the end of June, washing out seedlings and manure. Again heavy falls in July, though favourable to rice transplantation, were too heavy for cotton and jowar. The total absence of rain in October reduced the kharif yield, and the November rain at harvest acted in the same direction. The rabi crops, though helped by the late rain, did poorly from want of rain in October and from cloudy weather in February. Season only fair. Estimate of kharif and rabi from 8 to 12 annas.

Broach, 1893.

	Bada	ou,	Анқів	SVAR.	Háne	102.	. ₹4	eni,	A'm	ο ρ. ·	JAMBU	ear,
Rain Periods.	Fall,	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fail.	Rainy days.	Fall.	Rainy days.
	In.		In,		In		In.		In,		In,	
Early Raios	0.29	1	0 °11		••		0.10		0*18	1	0.53	1
Ante-Monsoon	0.69	1	0-26	1	0.14	.	0-42	1	0-14	1	0-07	
Monsoon-Kharif	44 15	29	30.88	80	29.70	24	40-45	. 28	28.83	24	89-53	26
Monsoon-Rabi	6-61	14	5.08	10	7-24	17	6.58	. 13	5.13	14	6.01	15
Late Rains	0.28	2	86-0	3	0.36	1	0-56	. 2	0-32		1.24	а
Total .	52-24	47	44-31	44	37-44	42	47:81	44	33.60	42	47.97	45
Average	39.71	52	38'57	47	33.95	**	29.02	42	37 1.88	39	84 51	45

General characteristics.—Rich alluvial plains growing cotton and wheat. Rainfall moderate but sure, being, as a rule, more plentiful in the Broach Táluka. The rainfall is supplemented by heavy dews from October to December.

Remarks.—Except in A'mod the total fall considerably exceeded average. The sowing rain in June too heavy. The break following was too short and on it supervened another burst of heavy rain. After a useful break in August, a seasonable fall came in late August. The September fall was light, but gentle and useful both to standing crops and to rabi preparations. Rabi was favoured by the light rains of October and November, but standing kharif would have been better without it. The rabi standing crops suffered from cloudy weather in February and March, especially in Vágra, where the loss was greatest by reason of the greater extent of cotton. Wheat did well, (13 annas) but other crops not above 10 annas, and some as low as 7.

Kaira, 1893.

			Ka	.A.R.J.		MAD- AD.	ЖА	TAR.	Nai	oiád.	Клра	DV≜NJ.	Тн	isra,	A'n	AND.	Boi	RBAD.
Rain Perloc	is.		Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy day.	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.
			In.		In.		In.		In.		In.	-	In.		Iņ.		In.	-
Early rains	••		0.55	1	0.34	. 2	0-43	2	0.41	2	0.32	1	0.58	2	0.09		0.10	••
Ante-Monsoon	:#*		0-18	1	0-23	1	0.17	1	0.35	2	•		0.22	1	0.31	1	0.08	
Monsoon-Kharif	••		28 - 22	29	34.35	30	28:90	29	38*45	30	37:56	85	84-08	33	84-93	31	35-42	33
Monsoon-rabi	••		10.59	14	13 ·73	16	8.09	11	11.60	15	11.84	16	11-99	12	14-03	19	9.40	18
Late Rains	••		1.06	. 3	2-21	3	2.04	3	1.60	4	2.09	.8	1.00	3	1.25	3	1.08	8
•	Total		41-17	48	50-86	62	40-63	46	52.41	53	52•73	65	47-58	51	50-61	54	46*07	54
A t	verage	•	38:02	47	31.29	53	35.92	43	37:63	58	35*14	50	33.70	50	35.61	51	36.80	53

General characteristics.—The District is mostly one unbroken alluvial plain. In the north and north-east patches of rich rice land; the centre, a tract of most fertile soil yielding the choicest crops; and westward a bare, though well cultivated, tract of rice land.

' Remarks .- Fall conspicuously above average all over the district. The early kharif showers were heavy and continuous. There was a valuable though deferred break in July, and excellent and seasonable rain in August. There was no later check to the kharif, till the storm of the third week in November, which harmed ripe crops. This improved rabi prospects after the light fall of flast, but as elsewhere, the cloudy weather of February did equal harm. The anna estimates of the staple crops are:—Rice 13 annas; wheat, kodra and bajri 12 annas; cotton and gram 11 annas; jowar 10 annas; tur 8 annas; and oil-seeds as low as 4 annas.

Panch Maha'ls, 1893.

Rain Perioda.	Godi	IRA.	. Kal	oL.	HĀI	ol,	Don	AD.	Jнáц	ор.	Jambug:	HODA.
water Leadura	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days.	Fall.	Rainy days,	Fall.	Rainy days	Fail.	Rainy days.
	In.		In.		In.		In.		In.		In.	
Early Rains ,.	0•62	2	0.60	1	0-49	1	. 0•80	1	0.24	1	0.03	
Ante-Monsoon	1.53	.3	\ 0.57	3	0.04		4.27	3	1.88	3	1'18	2
Monsoon-Kharif	25-67	33	88 55	33	88-62	36	24.70	32	30.82	- 36	30.62	41
Monsoon-Rabi	1090	.14	14-61	16	13-70	16	· 17·70	17	12.83	16	19 30	19
Late Rains	0.60	2	17 1 .	4	0.62	2	1.87	2	1-63	4	1.05	3
Total	49.03	54	51.04	57	53.20	55	48-94	55	46:40	60	52-18	65
- Average	40-71	47	39-69	44	43.39	56	29.60	45	30.16	49	48*56	63

General characteristics .- Rainfall lighter and later in the east than in the western division.

Remarks.—Fall considerably above average throughout. The sowing rain too heavy. The July break was seasonable, but the heavy falls of August were more incessant than elsewhere in Gujarát. Maize was distressed. Similar incessant rain was experienced in September, when early crops were ripening. In october the break was timely, but again in November, the falls were too copious for kharif crops. Outturn estimates, rice 13 annas, and other crops 8 to 10 annas, except maize, an important staple in this district, which was very poor (say 5 annas).

Ahmadabad, 1893.

	AHMAD	ABAD.	Para'	HTIJ.	Мора	/8A.	84.A1	AD,	VIBANO	94'y.	Duo	LEA.	DHANI	MUEA.	God	HA.
Rain Periods.	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days,	Fall.	Rainy days.	Fall.	Rainy days.	Fall,	Rainy days.	Fall.	Rainy days.	Fall.	Raing
	In,		In.		In.		In.		In.		Jo.		In.		In.	
Early Rains	0.25	2	0-13	1	0°35	3	0.49	,	043	1	0.84	,	0-17	1	0-41	1
Ante-Monsoon	0.03		0-11		0-82	8	0.31	1	0-45	1	***		0.93	1	0.08	
Monsoon-Kharif	30-77	84	34.50	81	45-47	87	28-83	27	18-77	23	25.41	26	13.06	20	14.83	21
Monsoon-Rabi	10-70	18	14:44	17	12.00	13	13.52	16	12-17	10	7-80	13	10-12	18	7:34	12
Late Rains	5.01	8	2.05	8	. 2-29	. 8	2-95		8.75	8	1.84	8	2.38	4	3. 23	3
				<u> </u>				∤ -		.			<u> </u>			 -
Total	43.75	55	51-23	53	60-93	67	45.83	50	85.58	38	85.21	44	26-20	44	25-76	37
Average	27*95	48	27.25	50	33.78	56	27-96	53	28.98	47	34-16	45	27:43	47	25.70	40

General characteristics.—Except in the hilly parts of Modása, where the supply is sometimes considerable, the rainfall throughout the district is generally very light.

Remarks.—The excessive rain of the year was most marked in Ahmadabad, except in the talukas adjoining Kathiawar. The heavy rains of June lasted far into July. The general break in August was too protracted in Dhandhuka. Again heavy rain fell in September when some kharif was ripe. The deficiency in amount in Dhandhuka was made up in early October. The irregularity of the season was again marked by abnormally heavy rain in November. The net result was a very fair rabi crop, owing to less cloudy weather late in the season, but poor kharif cereals on dry crop land (6 to 8 annas). Rice was fair, 11 annas.

STATISTICS.

B.—AGRICULTURAL.

I.—Area of Available Statistics.

II.—Area, Cultivated and Uncultivated.

III.—Crops.

IV.-Irrigation.

V.—Agricultural Stock.

II. A.—Details of "Fallow."

III. A.—Details under Khari'f and Rabi Crops.

III. B.—Principal Fruit-bearing Trees.

I.—Area of Available Statistics, 1893-94.

m —	<u> </u>				<u> </u>		·····	•			<u> </u>										
131 51		\$	Numb	BB AŅD Ā	rta op Villagi	RS.*			Vi	LLAGES Y	or which Si	ATISTICS	ARM AVAILAI	L.			VILLAGES FOR	which S	FATISTICS ARD	HOT AVAI	láble.
No.	District.	Gove	sroment.	Al	ienated.		Total.	Gov	rveyed ernment 'atwari.	Other G	overnment.	Surveye	d Alienated.		Total.	Go	vernment.		lienated.		Total.
		No.	Acres,	No.	Acres.	No.	Acres	No.	Acres.	No.	Acres.	No.	Acres-	No.	Acres.	No.	Acres.	No.	Acres.	No.	Acres,
	1 .		3		8		4		8		6		7		8		9	<u> </u>	10		11
	A.—Bombay Presidency Proper. I.—Gujarát.																				
1	1	832 563 611 408 820	901,365 918,202	52 28 79] 15 82	126,477 18,724	691 423	2,443,736 1,021,715 1,027,842 934,926 1,057,886	447 436 403 407 819	1,054,100 757,828 626,401 917,023 1,014,589	835 92 1401 1 10	1,264,869 178,298 198,178 1,179 12,241	36 441 41	98,916 72,564 5,254	868 528 597 408 825	2,417,885 936,124 897,143 918,202 1,032,084	85 59	1,249 58,127 76,786	16 28 85 15 28	24,602 27,464 63,913 18,724 25,801	16 63 94 15 28	25,851 85,591 130,699 18,724 25,801
1 1 2	allousembers for the see ""		8,456,455 3,678,940 2,878,659	147 198 52	265,848 538,948	1,696 1,874 1,204 717	3,722,303 4,217,208	2,892 1,500 1,223 1,003 985 962	4,638,829 8,394,550 8,672,842 2,872,145 2,695,595 2,463,368	1851	313,368	63] 80 110 163] 62 213	167,246 440,378	2,921 1,580 1,333 1,167 717 1,175	5,061,288 3,56%,796 4,112,715 3,243,435 2,905,194 2,857,103	365 85 8 3	493,272 59,905 6,618 6,614	48 81 87 <u>1</u> 85	103,453 98,672 97,875 75,044	413 116 401 87	596,725 158,507 104,4493 61,569
15 15 14	Bijápur	913 1,011 1,239	2,347,344 8,205,495 2,069,256	221 163 184	632,026 422,032 256,530	1,134 1,173 1,473	2,979,370 3,627,727 2,945,836	913 1,01i 1,289	\$,347,344 \$,205,695 \$,689,256	100	400 100 411 mab	161 1×5 137	466,966 895,560 180,871	1,074 1,166 1,426	2,614,810 8,601,255 2,870,127	 	000000 pag 1 00 d00 090	60 7 47	165,060 26,472 75,709	60 7 47	165,060 26,472 75,709
15 16 17 18	Kolaba Ratnigiri	1,605 1,539 1,270] 1,416	9,180,293 1,316,891 2,379,036 2,623,610	· 91 85 59	110,777 45,757 119,274	1,696 1,612 1,839 1,416	2,291,070 1,362,648 2,498,310 2,522,810	1,588 1,049 129} 1,416	2,169,877 782,594 283,298 2,522,810	17 489 66	10,418 525,002 126,443	29 11 8	38,456 6,512 7,167	1,634 1,549 196} 1,416	2,219,749 1,314,110 416,908 2,522,810	1,075	9,293 1,969,296	62 82 56	72,321 39,245 112,107	62 83 1,131	72,321 49,553 2,061,402
	Total, A B.—Sind.	20,896	43,437,362	2,0821	4,292,858	22,979	47,730,220	17,9453		1,375	2,629,994	1,2622	3,063,600	20,583}	43,803,238	1,576	2,697,724	8191	1,229,258	2,3951	3,926,982
19 20 31 32 23	Karáchi		9,105,964 5,395,395 4,711,416 1,572,684 8,139,683	16 163 32 7 1	48,923 354,314 492,917 40,662 5,817	923 1,635 1,195 345 606	9,164,8%6 5,740,609 5,204,223 1,613,346 8,145,500	844 1,472 1,144 297 459	4,977,135 5,395,295 4,597,498 948,990 3,546,692	41 : 1 145	1,632,561 	16 163 81 6	48,922 \$54,314 491,557 27,277 5,617	901 1,635 1,175 304 605	6,498,618 5,749,699 5,099,045 1,096,798 6,145,500	23 19 40	503,168	1		22 20 41	2,606,263 115,178 518,548
	Total, B GRAND TOTAL		28,925,042 72,362,404		942,522 5,235,380	<u> </u>	29,967,564 77,597,784	<u> </u>	19,195,600 57,305,244	187	i,446,083 9,076,077	217 1,4793	927,887 3,991,487		26,569,570 70,372,808	81 1,657	<u> </u>	8211	14,635 1,243,893	83 2,4781	3,297,994 7,224,976

				•	Cvi	LTIVATED ARI					Uncu	LTIVATED AR	EA.		
	District_	Total area as in columns 5, 6, 7 & 8 of		Deduct area				Details of	column 7.	Available for	cultivation.	Not available fo	r cultivation.		
No.		Keturn No. 1.	Gross area cropped.	cropped more than once.	Remainder net	Add current fallows.	Total columns 5 and 6.	Assessed land,	Unassessed land.	Assessed land.	Unassessed land.	Forest.	Others.	Total columns 10 to 13.	
	1 .	2	8	4	5	6	7	8	- 9	. 10	11	12	13	14	
٠	ABombay Presidency Proper.	Acres,	,				Acres.						3	Acres.	
	I.—Gujarát.			- ,											
_	(Rayatwári	1,054,100	702,239	29,226	074 170				•		ı			•••	
1	Anmadabad Other Government .	1,264,869 98,916	652,470 61,202	6,156 185	674,(12 646,314 61,017	111,889 843,727 87,819	785,901 990,041 98,836	782,984 989,226 98,836	· 2,917	63 141	11,117 6,922	21,649	172,293 267,906 80	269,199 274,828 80	
	Total	2,417,885	1,415,910	34,567	1,381,343	493,435	1,874,778	1,871,046	3,732	63,141	18,039	21,649	440,278	543,107	
2	Kaira Rayatwari Other Government Alienated	757,8°6 178,299	591,557 161,947	44,341 5,414	547,216 156,533	44,707 6,089	591,923 162,622	591,450 162,593	473 29	65,878 253	1,231 22	111504 470111 474110	98,794 15,401	165,903 15,676	
	Total	936,124	753,504	49,755	703,749	50,796	754,545	754,043	502	 66,131	1,253		 114,195	181,579	
3	Panch Mahala {Rayatwari Other Government Alienated	626,401 196,178 72,564	320,680 76,862 41,895	74,765 8,368 6,556	245,915 68,494 85,839	84,742 82,892	280,657 150,886	276,841 150,640	3,816 246	60,731	58,378 1,065	186,339 16,730	40,296 29,447	345,744 47,292	
	Total	897,143	439,437	89,689	349,748	29,020 146,154	495,902	491,840	4,062	672 61,403	59,443	203,069	7,533 77,326	8,205 401,241 ·	
4	Broach (Rayatwari Other Government Alienated	917,023 1,179	579,644 843	668	577,976 843	74,309	652,285 1,143	643,798 1,143	8,487	20,614	1,821	Marin	242,308 86	264,738	xviii
	Total	918,202	579,487		 E70 010	4====	210,00	•	214 446	*****		******	9=++ -	******	;
	(Rayatwari	1,014,589	525,784	668 47,972	578,819	· 74,609	653,428	644,941	8,487	20,614	1	*****	242,339	264,774	
5	Surat Other Government (Alienated	12,241 5,254	5,723 3,804	472 16	477,812 5,251 8,788	250,211 4,445 1,192	728,023 9,696 4, 980	725,772 9,696 4,974	2,251	32,231 659 131	23,042 759	45,434	180,859 1,128 143	296,566 2,545 274	•
	Total	1,032,084	535,311	48,460	486,851	255,848	742,699	740,442	2,257	33,020	28,801	45,434	182,130	289,385	
	IIDeccan.							;	•		-		•		
6	Khándesh {Rayatwári Other Government Alienated	4,638,829 813,868 100,091	2,936,313 52,962 73,149	26,034 12 377	2,910,279 52,950 72,772	162,138 496 12,129	3,072,417 53,446	8,067,210 8,004 84,851	5,207 50,442 50	360,311 4 6,086	221,139 133,058 5,882	406,845 126,249 750	578,117 614 11,472	1,566,412 259,922 24,190	
1	Total	5,061,288	3,062,424	26,423	3,036,001	174,763	84,901 3,210,764	3, 155,065	55,699	366,401	360,079	533,814	590,200	1,850,524	
]	(Rayatwāri	3 ,396,550	1,879,675	na èan							,,,,,	†			
7	Násik Other Government (Alienated	167,246	1,379,075	28,323 1,584	1,851,352	358,639 22,267	2,209,991	2,209,404 129,868	587	50,044	45,468	783,924	807,723 21,849	1,186,559	
}	Total	3,563,796	1,988,904	29,907	1,958,997	380,906	129,912	2,339,272	631	5,208 55,252	8,815 54,283	784,786	329,572	1,223,893	
	(Rayatwári	8,672,342	0.410.000						•				·		
8	Ahmadnagar Rayatwan Other Government Alienated	440,373	2,412,082 808,681	40,633 3,163	2,371,449 305,518	362,824 , 59,665	2,734,273 365,183	2,733,950 365,176	323	85,449	6,678 8,585	540,739 	355,204 64,340	938,039	
	Total	4,112,715	2,720,763	43,796	2,676,967	422,489	3,099,456	3,099,126	330	6,934 42,382	10,263	541,070	419,544	1,013,259	_
9 1	Poona (Rayatwari	2,872,145	1,768,372	73,598	1,694,774	398,357	2,093,131	2,093,067	64	11,086	1,920	451,889	314,119	779,014	
٠,١	(Alienated	471,290	311,255	10,565	800,690	77,791	378,481	878,337	144	******		1,496	91,313	92,809	
-	Total	3,343,435	2,079,627	84,163	1,995,464	476,148	2,471,612	2,471,404	208	11,086	1,920	453,385	405,432	871,823	
	,		•	'	•	. '	Į.	,				ι '	•	ı	

		- ,	-			~ y		-		•		:				
10	Sholápur	•••	Rayatwári Other Governmen t	2,695,595	1,974,414	31,684	1,939,730	346,279	2,286,009	2,285,841	168	13,397	264	177,490		409,586
ĺ	•		Total	209,599	150,918 2,125,327	2,263 36,947	148,650	26,515	175,165	174,994	171	125	3,353		80,956	84,434
ŀ			(Rayatwári	2,463,368	1,521,558	110,884	2,088,380	372,794 363,831	2,461,174	2,460,835 1,778,756	339 749	13,522 21,247	3,617 4,403	177,490 428,616	249,391 229,597	444,020 683,863
11	Satára	•••	Other Government .	893,735	257,111	24,906	232,265	104,616	836,821	336,811	10	428	3,433	12,390	40,663	56,914
	•	•	Total	2,857,103	1,778,669	135,790	1,642,879	473,447	2,116,326	2,115,567	759	21,675	7,836	441,006	270,260	740,777
ļ		III.—Ko	ırnátak.	İ			• .	,		•				 		
12	Belgaum	•••	Rayatwari Other Government .	2,347,344	1,451,683	33,286	1,418,397	269,101	1,687,498	1,685,741	1,757	50,339	18,823	439,198	151,486	659,846
	 	•	(Alienated	466,966	316,191	4,095	812,096	121,518	433,614	433,606	8	******	1,469	2,907	28,976	83,852
	1		Total	2,814,310 3,205,695	1,767,874 2,486,163	37,381 14,067	1,730,493	390,619	2,121,112	2,119,347	1,765	50,339	20,292	442,105	180,462	693,198
13	Bijápur	•••	Other Government . Alienated	395,560	290,082	619	2,472,096 289,463	823,107 45,555	2,794,203 335,018	2,794,105 834,822	98	9,550	18,570	162,451 24,843	170,001 25,131	411,492 60,542
			Total	3,601,255	2,776,245	14,686	2,761,559	367,662	3,129,221	3,128,927	294	70,020	19,588	187,294	195,132	472,034
14	Dhárwar	•••	Rayatwari	2,689,256	2,011,939	36,706	1,975,233	200,155	2,175,383	2,175,202	186	46,880	1	276,365	190,622	513,868
			t Alienated Total	180,871	111,831	1,866	109,965	28,830	138,795	138,520	275	11,601	14,285	·	16,190	42,076
	ļ			2,870,127	2,123,770	38,572	2,085,198	228,985	2,314,183	2,313,722	461	58, 4 81	14,286	276,365	206,812	555,94 4
			Konkan. (Itsystwári	0 140 000			•	• •								
15	Thána	***	Other Government	2,169,877 10,416 38,456	460,845 1,070 7, 751	4,976 7 50	455,869 1,063 7,701	433,179 7,629 20,384	889,048 8,692 28,035	883,180 8,693 28,085	5,868	55,478 20	59,439 908 1,882	488,426 197	677,486 599 8,489	1,280,829 1,724 10,371
	İ		· Total	2,218,749	469,666	5,033	464,633	4 61,192	925,825	919,957	5,868	55,498	• 62,229	488,623	686,574	1,292,924
16	Kolába		Rayatwari Other Government Alicoated	782,596 525,002 6,512	242,880 161,377 1,943	6,653 5,539 43	236,227 155,848 1,901	179,140 136,816 2,540	415,967 292,664 4,441	412,752 292,514 4,441	2,615 150	4,219 8	20,718 10,918 493	199,979 89,042	148,313 132,375 1,578	367,229 232,838 2,071
			Total	1,314,110	406,200	12,224	393,976	318,496	712,472	709,707	2,765	4,222	32,129	283,021	282,266	601,638
17	Ratnágiri	***	Rayatwari	283,298 126,443 7,167	97,162 81,763 3,426	5,965 1,810 268	91,197 29,953 3,158	89,039 47,646 1,495	18 9,236 77,599 4, 653	180,140 77,596 4, 653	.96 3	1,292 857	3,598 1,349 672	5,391 8,158	92,781 43,980 1,942	103,062 48,844 2,514
			Total	416,908	132,341	8,033	124,308	138,180	262,488	262,389	99	1,649	5,519	8,549	138,703	154,420
18	Kánara I.	• •••	Rayatwári Other Government Alienated	2,522,810	251,709	13,610	238,099	69,405	827,504 •	327,412	92	57,494 	1,326	1,944,509	191,977	2,195,306
	İ		Total	2,522,810	251,709	13,610	238,099	89,405	327,504	327,412	92	57,49 4	1,326	1,944,509	191,977	2 ,195,306
		Total A	Rayatwari Other Government Alienated	88,109,644 2,629,994 3,063,600	22,213,698 1,145,007 2,049,163	625,891 27,758 56,555	21,588,307 1,117,249 1,991,908	4,095,052 629,640 591,336	25,683,859 1,746,789 2,583,244	25,647,605 1,605,104 2,582,833	35,754 51,685 911	1,010,800 1,295 40,735	502,936 155,001 44,787	6,552,844 235,876 44,179	4,360,405 491,533 350,655	12,425,255 843,25 480,356
	1		Total	43,803,238	25,407,168	709,704	24,697,464	5,315,928	30,013,392	29,925,042	88,350	1,052,330	702,724	6,832,199	5,202,593	13,789,846
	1		Sind.		· ·						! 					
19 20		,		6,488,618	452,216	24,418	. 427,798	540,440	968,238	890,679	77,559	102,652	1,020,653	113,069	4,284,006	5,520,380
21	Shikarpur		 	5,749,609 5,089,045	899,355 1, 044,973	12,699 170,163	886,656	1,383,651	2,270,307	2,123,385	146,922 14,878	424,380 167,580	1,809,236 2,004,816	139,102 311,249	1,106,584 779,290	3,479,302 3,262,935
22 23	Upper Sin Thar and	a Frontier Parkar	 	1,096,798. 8,145,500	285,449 618,909	18,291 6,037	874,810 267,158 612,872	951,300 376,788 882,536	1,826,110 643,946 1,495,498	1,811,232 627,199 1,265,437	16,747 229,971	40,973 38,171	204,582 396,168	46,405 134,145	160,892 6,081,608	452,852 6,650,692
			' Total, B	26,569,570	3,300,902	231,608	3,069,294	4,134,715	7,204,009	6,717,932	486,077	773,756	5,435,455		12,412,380	
			GRAND TOTAL	70,372,808	28,708,070	941,312	27,766,758	9,450,643	37,217,401	26,612,974	574,427	1,826,086	6,133,179		17,614,973	

			· · · · · · · · · · · · · · · · · · ·					I-	Curals.		•			<u> </u>		. ——
No.	District.	Jowarl (Great Millet), Sorghum vulgare, &c.	Bajri (Spiked Millet), Fennisetum Typhol deum.	Puddy (Bhat), Orym	Wheat (Caho), Triti- cum sstivum,	Barcly (Jav. Satu), Hordeum vulgare.	Malze (Maka). Zea- mays.	Rodra (Harik,) Paspa- lum scrobioulatum,	Rági (Nágil), Elousine coracana,	Ráie, Káng (Italian Miliet), Panicum Itali- cum.	Voral (Suve and Barzg), Panicum mallaceum P. miliare.	Banti, Barti, Panicum flavidum,	Bhadil, Pantcum pilo-	Ameranth (Rajgire), Ameranthus frumen- teceus.	Others.	Total I,
	1	. 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	A.—Bombay Presidency Proper. I.—Gujarát.	-		1												Acres.
1	Ahmadabad (Rayatwari Other Government Alienated	134,172 180,386 16,363	74,767 98,580 5,5 37	74,455 18,757 8,817	111,006 77,430 7,252	14,081 4,236 186	2,525 1,003 210	10,28 2 6,227 161	9,477 1,494 37	103 138	14,675 10,498 406	8,53 7 19,765 1,290	011.000	45	4	443,079 416,514 85,359
	Total	330,921	178,884	97,029	. 195,688	18,453	3,838	16,670	5,008	241 -	25,579	24,592	***	45	4	896,952
2	Kaira {Rayatwari Other Government Alienated	48,880 13,760	146,123 42,689	118,944 14,630	18,028 . 995	3,76 0 186	277 19	82,794 85,714	55,814 12,611	159 25	435 158	1,869 55	******	243 83	23 18	476,849 120,889
- [Total	62,640	188,812	133,574	19,023	3,946	296	118,508	68,425	184	593	1,425		276	36	597,738
3	Panch Maháls { Rayatwári Other Government	2,557 2,390 568	31,896 10,154 3,944	51,689 12,267 4, 931	20,189 2,442 1,941	. 2,318 509 184	73,049 17,920 11,475	10,558 4,567 3,330	10,023 3,426 1,674	6 217	1,57 4 1,18 4 69 9	9,536 8,271 1,743	23 155 84	12	278 809 50	213,703 58,594 80,789
	• Total	5,515	45,994	68,887	24,572	3,011	102,445	18,455	15,121	223	3,457	14,550	212	12	632	303,086
4	Broach Rayatwári Other Government	92,960 121	13,330	15,849 25	76,100 45	*****	5	6,999	179	2	36	. 1	#*****	, 7	*****	2 03,468 191
	Total	93,081	13,330	15,874	76,145	***	 5	6,999	179	2	36	1	200.000	7	•••	205,659
5	Surat Rayatwari Other Government	107,454 1,778 2,707	6,503 2 2 2	106,478 1,017 198	26,518 43	******	11	81,700 850 107	10,575 76 52	1	24	605	123	2	486	290,479 3,266 3,066
	II.—Deccan.	111,939	6,507	107,693	26,561	•••	11	32,157	10,703	1	24	605	122	2	486	296,811
6	Khandesh Raystwari Other Government Alienated	457,799 2,213 13,156	585,830 4,277 12,114	18,034 11,855 1,635	254,209 7,889 4,381	5	2,203 205 396	. 2,024 1,249 10	7,121 1,912 146	534 9 10	4,019 671 118	1,003 1,581 33	1,219 463 186	293 47	579 133	1,334,866 82,357 34 ,232
İ	Total	475,168	602,221	31,524	266,479	5	2,804	3,283	9,179	553	4,708	2,617	1,868	340	706	1,401,455
7	Násik {Rayatwári Other Government Alienated	123,169 5,082	620,047 80,173	52,090 2,561	299,197 29,990	000 c.s.	· 1,944	605-12 611124 02268	126,167 5,635	. 613	89,834 1,771	. 51 A	3,461 264	144 3	12	1,266,729 75,56
İ	Total	128,251	650,220	54,651	329,187	*** .	2,009	•••	131,802	630	41,605	57	3,725	147	.12	1,342,296
8	Ahmadnagar Rayatwari	927,974	561,618 54,211	11,825 237	261,859 22,426	250 43	596 73	107 2	24,655	3,827 332	13 229	26	4,724 50	599 43	244 10	1,811,53 222,81
1		1,073,326	615,829	12,062	284,285	293	669	109	24,656	4,159	13,259	27	4,774	642	254	2,034,344
9	Poona {Rayatwari Other Government Allenated	665,837 100,349	490,712 111,243	61,213	83,067 16,466	580 128	1,543 	99	48,586 4,825	1,273 467	89,462 1,776	, 49	5,970 963	103	2,148 337	1,400,64 243,86
	. Total	766,186	601,955	68,008	99,533	708	1646	99	53,411	1,740	41,238	51	6,838	111	2,485	

	Rayatwo	iri _.	.] 1,200,007]	188,979 ן	24,105	47,752	1,659	13,252 }	43]	30]	1,390	1,709	լ 6] 656	81] 5,855] 1,485,527
10	Sholapur Other G	overnment	90,872	20,647	947	3,508	250	873	200 c add	20.000	129	68	#88-01 #31430		1	695	118,049
13	•	· Total	. 1,290,879	209,626	25,055	51,260	1,909	14,125	43	30	1,519	1,777	. 6	715	82	6,550	1,603,576
1316-		overnment	407,009	443,498 54,549	29,946 10,109	51,448 8,636	4,284	7,490 1,456	20	46,410 13,283	24,486 7,764	41,135 11,669	6		422	1,567 176	1,057,731
-6 a	(Alienate	Total	478,426	498,047	40,055	60,083	766 5,050	8,946	20	59,693	32,250	52,804	6	204	639		
ap		*	210,320	200,021	10,000		0,000	Oj.: 10		.00,000		02,007			033	1,743	1,237,762
	III.—Karnita									40.001			_			[. [
12	Belgaum Rayatwi	overnment	435,875	129,444	105,061 6,295	93,937 14,530	187 32	6,256 1,673	41	49,631 6,056	71,716	29,682 4,077	2 1		2 	174 5	972,008 211,340
		Total	607,245	172,502	111,356	108,467	219	7,929	41	55,687	85,959	33,759	3	***	2	179	1,183,348
13	Bijapur (Rayatwa	Ari	1,236,059	240,228	12,3%	162,658	3	668	29	179	27,373	8,929	: 5	*****	1	8	1,688,528
10	Alienate	ed a	147,320	26,187	890	14,864	******	162	1	24	4,808	1,224	******	######################################	211111 200715	A	195,480
	The (Rayatw	Total	1,383,379	266,415 3,899	13,278	177,522	3	830	30	203 45,855	32,181	10,153	5	•••	1	8	1,884,008
14	Dhørwør Other G	overnment	568,708	865	140,827 17,809	257,275 9,655	31 	80 1	65 	4,893	76,625 4,944	\$3,835 2,325	01-000 (m0-000 01-110		0,4170 0,4770 0,41700	\$100 and	1,127,170 73,372
	! .	Total	602,088	4,264	158,636	266,930	31	31	85	50,748	81,569	36,160	•••		•••	•••	1,200,542
	IV.—Konkan				. 1				. •	•							
15	Rayatwa	Arl	. 50		293,708	164	1 m 870	83	13,522	60,461	### WY	25,575	448.000		* ****	******	393,563
10	Alienate		* *******	******	934 6,768	414.110	******	******	····	314	······································	170	00+11d	*****	******	Pag	934 7,252
		Total	. 50 1	•••	301,410	164	•	83	13,522	60,775	***	25,745	•••	•••	•••	•••	401,749
16	Kolaba Rayatw Other G	overnment	- 000000 - 000000	2000.00 2000.000 2000.000	179,281 58,570 1,626		***	*****	3,470 13,962	22,985 87,460 151	•••••	17,889 83,733 95	22 	******	*** pag *** pag	600 aca 601 400	223,647 143,725 1,872
		Total	4	•••	239,477	•••	•••		 17,432	60,596		51,717	22	•••	***	•••	369,244
17	Ratnágiri (Rayatw	id		···.	35,589 10,389	****	****	*****	13,046	18,314 6,466	28	6,865 4,206	*****				73,813 26,371
	Alienat	ed ,,, ,	111 000 111 000	614 216 616 146	1,492		*****	******	5,310 301	722	e	152			41114	********	2,607
	(Rayatw	Total .,		•••	47,470	•••		•	18,657	25,502	28	11,223	•••	•••	***	***	102,880
18	Kanara Other G	overnment.	1,525	000 to 0	195,463			19	*****	6,856 	197	607	###	**************************************	*****	****	204,757
		Total	1,525		195,463	•••		. 19	•••	6,856	197	697	•••		•••	•••	204,757
	Total, A (Rayatw	overnment	6,460,035 200,648	3,536,874 155,702	1,526,948 128,444	1,763,407 83.844	27,108 4,931	109,951 19,147	174,819	537,318 63,445	209,333 172	279,604 50,310	16,219 24,674	16,175 618	1,954 83	11,267 455	14,670,111 6/4,841
	(Allenat	ed Takal	749,936	362,030	66,110	133,649	1,589	16,588	67,3.9 3,913	37,811	82,931	24,560	43,967	1,461	319	1,273	1,435,264
	B.—Sind.	Toru "	7,410,619	4,054,606	1,721,502	1,985,899	33,628	145,686	246,110	638,574	241,436	354,534	41,807	18,254	2,306	13,095	16,910,216
19	Fariab:		75,139	35,240	360,020	E0 200	10000			1,173	8	235					348,497
20	Hyderabad	** *** **	96,813	304,623	160,032 169,033	59,263 59,379	16,850 4,950	557 195	•••	14	16 1	314	***	•••	•••	•••	635,342
21 22	1 11	-• ••• ••	99,447	7,050 17,964	252,956 14,205	319,788 26,409	4,026 340	1 19	***	12 1	304 190					280 148	777,751 158,722
23	inar and Parkar	Total, B		425,547	101,204	8,394	104			1.000	522	64				429	539,008 2,459,350
	GRA	Tr	F 070 0:0	790,424 4,845,030	697,435 2,418,937	473,232 2,459,131	26,270	772	246,110	1,200 639,774	241,958	627 355,161	43,967	18,254	2,306		19,369,566
		ND 10TAL	130123033	#;C40,000	4,410,801	29407,131	59,898	146,458	240,110	057,114	231,000		30,301	10001	000 وع	20,000	,

	1		•				II.—	Pulses		 .]	III		ARD AN		PEN .	17	D _F	RUGS .	AND I	VARCO	rics.	-
No.	District.	Tur (Pigeon Pea), Cajanus Indicus,	Gram (Chana), Cleor arlutinum.	Mng (Green Gram), Phaseolus mungo.	Udid (Black Gram), Phascolus radistus.	Math (Ridney Bean), Phaseclus aconitifolius.	Vel (large-fruited Doll. chos), Dolichos lablab.	Chavli (small-fruited Doliches), Doliches catiang,	Kullith (Horse Gram), Dollchos unifforus.	Floid Pea (Vatine), Pisum sativum.	Lentil (Masur), Ervum lons.	Chickling Vetch (Lakh, Lane), Lathyrus sativus,	Field Vetch (Guvér), Cynmopsis peorali- oides.	Others	Total II.	A.—Vegetables (Roots and Tubers).	BGreen Vegetables.	C.—Green Fodder.	D.—Fruit Trees.	Total III.	Tobacco (Tambákiu), Nicotiana tabacum,	Bháng, Gánja, (Indian Hemp), Camubissativa,	Opium (Afu), Papaver sompiferum, Coffee (Káti, Bund),	Coffee Arabica. Tea (Chaha), Thea	Cinchona, Cinchona officinalis.	Total IV.	_
	1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	\$2	83	84	85	36	87		89 40		12 43	
	A.—Bombay Presidency Proper.										•				Acres,					Acres,			- -	_ -		Acre	_
1	I.—Gujarát. Ahmadabad . (Bayatwári Other Government Allenated	8,344 816 13	24,136 11,277 922	12,191 -10,396 -1,000	2,470 8,752 395	36,868 22,974 441	85 67	671 427 	306 7,515 665	1 : 1	•••	, ,	3,725 2,433 135	:	83,796 59,657 3,671	596 448	1,490 711 45	1,193 3,442	785 101 2	4,054 4,702 47	2,137 429 · 10	 	••• :	*** *** *** ***			137 429 10
	Total	4,173	36,335	23,587	6,617	60,283	152	1,098	. 8,486		•••	•••	6,293		147,02;	1,044	2,236	4,635	888	8,803	2,576	•••]].			2,57	
2	Kaira Rayatwari Other Government Alienated	19,713 7,347	28,396 2,135	3,649 706	1,050 241	21,785 5,047	1,033 893	3,458 263	908 908 410	- 	*** *** _	276 275 275	5,975 2,788	:: ::	79,009 18,920	635 157	511 239	2,360 619	186 66	3,692 1,081	8,680 11,494	***			1 [.650 .494 •
I	Total	21,060	30,531	4,355	1,291	26,782	1,426	3,721	***	•••	•••	•••	8,763	•••	97,929	792	750	2,979	252	4,773	20,174	•••	 	\	.{}	\ 20,1	
3	Panch Rayatwari Other Government Allenated	3,008 1,283 787	54,926 5,273 4,768	2,162 891 508	5,691 1,986 749	2,060 1,021 686	63 158 1	262 416 134	99	621 944 65	***	400 400	832 144 162	:	69,523 12,116 7,850	172 216 61	144 17 5	460 25	28	799 250 58	389 98 41	***			•		389 98 41
	Total	5,078	64,967	3,561	8,426	3,767	221	812	99	1,630	•••	•••	928	•••.	89,489	439	166	485	25	1,115	528	. •••			.]]		528 .,694
4	Broach {Rayātwári Other Government Alienated	9,703 13	1,717 	452	::10	2,764	758	284	000 711 977	2,216 	*** ***	47,214 109	263	::	65,397 122	186	1,159	15,014	468	16,827	3,694 	***			ا		••
	Total	9,722	1,717	452	10	2,764	758	284		2,216	•••	47,323	263	•••	65,509	186	1,159	15,014	•	16,827	3,694	•••		•••		·"	717
5	Surat (Rayatwari Other Government	20,932 176 36	1,718 12 2	3,050 47 7	3,691 3 17	279	36,536 380 29	813 7 2	god god u-o	4,816 93 2	9 	3,835 24 18	1,595 6 2	:: ::	76,764 688 115	450 3	1	***	511	3,922 15 16	702 2 1	15	:				720.
		21,144	1,732	3,104	3,711	279	36,945	822	400	4,351	9	3, 877	1,593	•••	77,567	453	1,982		518	2,953	705	15		····\•			, 20.
6	II.—Deccan. Rhandesh {Rayatwari Other Government } Alienated	73,512 3,417 2,211	48,022 6,224 1,377	18,193 51 199	51,468 1,118 2,754	15,616 80 161	440 7	1,853 60	71,173 300 532	2,907 51 124	551 55 86	131		 ::	278,866 11,241 7,461	1,991 8 137	3,469 6 81	75 5	3,092 2 372	8,627 16 595	6,299 6 335) ::	.			6,349 6 835
	Total	•	55,623	13,443	55,335	15,807	447	1,913	72,005	3, 08 2	642	131			297,568	2,136	3,556	80	3,466	9,238	6,640	50	·	 .		6,	,690
7	Násik {Rayatwári Other Government Alienated	19,623 1,627	74,545 7,070	9,630 132	80,249 1,637	11,635 163	144	1	73,701 2,495	3,379 269	9,290 880	4, 060 525	3	:	236,333 14,799	5,607 801	4,548 557	1,999	1,920	14,074 1,554	1,056 83	2:					1,085 85
	Total	21 ,2 50	81,615	9,762	31,886	11,798	144	75	76,196	3 ,64 8	10,170	4,585	3		251,132	1	1	*	2,068	15,628		1		 -	·] ·		,170
8	Amadnagar . (Ravatwari	51,803 8,200	110,069 15,420	26,839 1,652	8,232 8	40,288 5,512	1,262	313 ****23	48,090 7,001	1,074	605 	141		::	288,716 37,835		132	53	1,530 216	ነ	728	10	2		··· · · · · · · · · · · · · · · · · ·		6,246 **** 830
. }	Total	60,003	125,489	28,491	8,240	-	1,281	336	55,091	ľ	605	141			326,551		ļ	1,274	·	8,363	1 .	1	. 1	1 1		1 1	,076
9	Poona Rayatwari Other Government Alienated	27,642 6,934	66,389 13,700	7,699 1,480	5,830 1,823	26,656 4,507	3,778 333	200 11	80,859 7,266		1,975	***	***			11,513 2,281	2,178		1	17,972 3,599				ļ ļ			1,679 74
	Total		1	7,199		31,163		1	38,125	1	1	1	·		1		1	ľ		21,571	1	52	2	\	}	1 (,653

								~ <i>j</i>				₹.											•	.				
10	Sholapu	r {Rayatwarl Other Government Alienated	2,838	l l	8,716 865	1,168	29,261 2,833	¥65 : 9	36	11,134	76 13	140	436 17	416 416	21	182,376 12,490		ایسا	1,203 		7,844		63	/ ···		1:1:	5,285	5
		Total	62,287	. 76,898	9,031	1,218	32,094	174	36	12,360	∷ 89	15 5		•1•	21	191,860]		1,745		\$21 5,523	 83	'''		1 1	- 321 - 5,606	
11	Sátara	Rayatwari Other Government Alienated	56,177 8,893		13,171 "1,988	84,995 8,944	64,337	3,579 663	169 *** 61	42,203 5,864	ا <u></u> ا	581 183	***	***	242	291,062			672		9,910	8,210	5 78	[14		8,802	
		Total	65,070			43,939	1	4,142			l 1	764		***	251	45,480 336,551	1	1,089	653	1,285			5		15		791	
	1	III—Karnátak.							•			•						-, -, -			,000	","		"		` <i>`</i> '	. 9,593	
12	Belgaun	Rnyatwarl (Other Government Alienated	49,846		7,285	5,834	5,035	6,611	964	42,310	6,058	6,013	***		::	171,879			130	2,100	7,788	21,736	•••		81		21,767	
		Total	11,741 61,587		2,498 9,783	1,191 7,025	1,486 6,521	926 7,537		-,	l 1	_	'ii.	400		88,075 209,954		274	.48 178	l	1		***				. 5,424	
13	Bijápur	Rayatwarl Other Government	55,992				6,042	4,170		21,691	47	•••	•••	***.		172,995) '		225) '		27,160 2,896	9	1 1	31		27,191	
		(Alienated Total	64,575			•••	6,565	4,844	523 3,790	8,088 24,779	1. 1			***	***	21,365		_	24	1			99 4				•	
14	Dhárwá	Rayatwari Other Government	47 038	1	'	4,334	7,513	5,832	755		6 92		***	***	***	194,360 196,497	1,694 2,293	-,	247	2,606 3,700		1	9				3,124	
		(Alienated Total	3,363 50,401		i - I	292 4,626	297	#28 6 060	65	***	82	• •	-	### ###		11,892		371	***	867	862	63	50k -				-	
		IVKonkan,			04,100	4,020	7, 810	6 ,2 60	·· 820	50,79 8	674	69	Dhe,	***	•••	208,389	2,417	3, 595		4,067	10,08 0	1,868	•••		••• •••		1,868	
		Rayatwari	6,147	9 775	; ●· 459	10.330	:					•	•	• ·									•					
15	Thána	Other Covernment	. 52			19,112 74		2,670	3,887	1,137 ***	241	610 810 810	217	\$15 944 644	=	26,638 126	l	894 8 29	244 	3,513 128 242	6,603 136 292		 	***				
		Total	6,199		452	19,186		2,670	3,897	1,137	241		217	***	-,-	36,764	971	933	244	3, 833	6,031	a i				! !		•
16	Kolaba	Rayatwari Other Government Alienated	905 1,641		845 1,683 1	2,906 5,929 12	•••	5,523 3,847 · 31		46 15	- 1	•••	eta tea	***	==	12,905 13,045	55 73	362 48	1	2,555 3 1	2,973 121	•••					• •	
		. Total	2,546	3,05 8	2, 529	- 8,847	;	8,900	60		1	• • • •	•••	***		26,002	 128	417	1	2,5 59	3,1 05		•••					
17	Ratneg	iri {Rayatwari Other Government Alicusted	179 114 4		302 · 14 3	1,941 574 72	***	1,083 314	65 32 2	6,595 1,420 288	***	100			440 82	10,670 2,501	40 1	54 7	•••	5,515 244	5,60 9 2 52 17 2					<u> </u>	-	
		Total	297	69	319	2,587	. •••	1,397	· 9 9				- 04 B	***	472	869 13,543	 41	. 62	•••	5,930	6,033	•••						
18	Kánara	Rayatwari Other Government Alienated	· 193	428	. 1,312	1,773	=	105	1,043 	1,713	3 71	2	1	· ·	=	6,91 3	2 97	63 0	1,017	18,073	20,017	1			15	<u></u>	6 22	
		Total	195	4 28	1,342	1,773	***		1,04 3	 1,713	371	2	 1			6, 973	297	6 30	 1,017	 18,073	20,017	1	•••	- 1	 15	-		
	Total,	A Rayatwari Other Government Alienated	4/9,214 14,897 - 65,231	717,040 25,323 77,903	161,893 13,788 15,142	180,754 13,598 18,018	270,0%) 29,072 22,642	73,835 4,659 3,020	18,142 1,177 1,010	\$98,818 9,250	25,724 1,029	65	66,03 5	5,371	703 32 9	2,433,650 118,293	993	1,047	26,855 4,056	53,166 550	150,490 6,5%	69,949 12,029	1,448		<u>60</u>		8 71,452	
		Total	569,303	820,26 6				81,514	20,359	448,722	1,688 28,640	1,583 20,868	56,728			238,030 2,789,973		احضد	371 3 1,31 2					•••	1	<u> </u>	8,194 6 91,685.	
	1	R.—Sind.		1									<u></u>														02,000	
19 20	Karáchi Hyderal	bad ••• •	4	3,409 3,670	1,374	7.	5,110 345	•••	41 483	•••		***	10,861 18,517	6 3 06		31,286 24,706	2,182	1,846	1,762	2,048 4,618	7,8 38	477	63].	,		540	
21 23		ind Frontier		20,888 6,015	723	230 4	42	•••	4 1 56	***]	•••	120,058 11,015	٠	39 46	141,787 17,960	2,838 137	5,396	563 5	4,121 88	12,921	2,410 66	147	••• •		2	7 2,584	
23	Thar and	d Parkar Total, B		33,986	5,365 18,417	$\frac{2}{1,672}$	5,504		455 1,139				•••	8,05 3	3.474	17,355	236	7,545		191	7,972	180		<u> .</u>	<u> </u>	<u></u>	180	•
		GRAND TOTAL	569,309				327,307	31,514	21,498	448,722	28,641.		160,451 217.179	8,365 26,208		233,100 3,023,073		—— i-	_				214		<u> </u>	27	7 8,684 3 100,369	1
	<u> </u>			₹	l											_,,		,		-,,500	-10,700	00,230	4,111	<i>"</i> ' '	"	3	100,309	,

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III.—Crops, 1893-94 - continued.

	1							7	Cox	DIMENTS	S AND SI	TCES.							VI—	Star	CHES.	VII.	.—Svo	AR,
No.	District.	Cardamom (Veldode) Elettaris cardamomum	Chillics (Mirchys), Cap sicum frutescens.	Ginger (A'le), Zingibe.	Black Pepper (Mirl), Piper nigrum,	Betol leaves (Pane). Piper-betol.	Betel-nut .(Supárl). Areca-catechu,	Turmerlo (Halad), Cur- cuma longa.	Fennel (Badl-shep), Pimpinella anisum.	Dill-soed (Bilant-shep), Anethum sowa.	Coriander (Dhana). Coriandrum Sativum.	Cumin (Ilre), Caminum cyminum.	Ajwan-seed (Ova), Pty- chotis ajowan.	Fenugreek (Mothi) Trigonelia (Spumgræ- cum	Common Mustard (RAI). Sinepis Indica.	Garlle (Lasun), Allium, sativum.	Others.	Total V.	Arrowroot, Morenta srundinaces, Curcuma angustifolia, &c.	Others.	Total VI.	Sugarcane (Us. Sherd!), Saccharun officinarum.	Others.	Total VII.
	1	44	45	46	47	48	49	50	51	52	53	54	55	56	. 57	58	59	60	61	62	63	64	65	66
1	A.—Bombay Presidency Profes. I.— Gujarát. Ahmadabad (Rayatwari		1,685 216	25 6	***	11	==	8	110	7	1	9	::	492 63	21	47	10	Acres. 2,646 284			Acres.	2,474 1,132		Acres. 2,474 1,132
. 2	Total Kaira (Alienated Cother Government Alienated	***	1,901 1,002 423	256 284 74	•••	*** *** ***	***	8 12 8	110	7	1	9 488 783	 1	555 61 8	21 61 1	52 27 63	10 168 98	2,930 2,250 1,460	****		***	3,618 669 585	***	3,618 649 585
3	Panch Maháls Rayatwári Other Government		1,425 467 181 66	\$58 22 1	*** *** ***	910 111 100	80 \$ 10 \$ 144 400	20 _.	139	3	 11 11	1,271 6	7	69 25 18	62 19		266	3,710 566 265 69	\$ 0.0 010 010	0 1 4 0 14 0 15 0 10 0 10 10 10 10 10 10 10 10 10 10 10 10 10 1	100 100 100 100	1,254 227 16 26		1,254 227 16 26
4	Total Broach {Rayatwari	***	714	24 .18 	000 010 000 505	*** *** ***	0 0 0 0 0 0 0 0 0 0 0	2 22 ::-	2 	4 7	13 62 	6		45 2 :=	19 	71 #4	3	990 319	•••			269 99	••• •••	269 99 .
5	Total Surat {Rayatwari	***	157 719 40 38 797	18 174 	0 0 0 0 0 0 0 0 0 0 0	•••	 	22 140 *** 1 141	*** *** *** ***	7 2	62 10 ::: 10	***	36 36	110 ::: 110	36 36	44 89 1 90	22	319 1,838 40 44	***	***		5,531 131 12	***	99 5,53t 131 12
6	II.—Deccan. Khandesh {Rayatwari		10,689 18 152	7	***	232 14	***	87	530 5	1,179 130	17,763 ————————————————————————————————————	•••	1,496	219 1	2,593 60 23	208 : 9	22	1,422 34,973 78 512	1 g o 1 + + 1 + + 1 + +		*** *** ***	5,674 \$,190 2 103	*** ***	5,674 3,190 2 103
7	Total Násik {Rayatwárt	***	10,859 4,151 337	7 13	0 1 th .	246 122 	1	73 13	535	1,309 18	17,925 	 	1,496 ₂	220 1,867 157	2,676 459	217 635 90	*** *** ***	35,563 6,867 744	•••	27	27	3,295 9,084 856		3,295 9,084 856
8 4	Total Ahmadnagar Rayatwari Other Government Alienated	000 010	4,488	13	***	376 . 22	1	13	17	18	40 5 1		33	1,524 2 :::	570 44	725 194 27	***	7,611 5,124 745	•••	27	27	9,940 8,571 245	***	9,940 3,571 245
9 1	Total Poona {Rayatwari	****	5,190 8,801 1,819 10,620	4		398 425 ***405 831	1 1	2 124 5 129		3 1 .5	539 13 552	440° 	2; 23 1 24	102 102 102	44 49 8 57	221 688 ₁₂₆ 814		5,869 10,761 2,879 13,140	*** *** ***	*** *** ***		3,816 11,212 2,152 13,364		3,816 11,212 2,153

10	Sátára	Other Government Alienated Total Respatsfari Other Government Alienated Total		000 200 200 200 200 200 200	8,257 446 8,702 10,808 1,869 12,675	1 1 120 56 176	and and and and con cub unu mon	350 2 361 887 53 440	= 1	945 950 8,697 642 4,239	163 "87 199	3	206 29 235 909 828 1,237	400 400 400 400 400 400 400	7 24 24	23 23 12 	5	241 7 248 820 102 922	010 010 010 010	10,047 488 10,535 16,839 5,087 19,926				4,944 "229 5,173 12,954 2,642 15,496	000 000 000 000	4,944 229 5,173 12,954 2,542 15,496
12	Belgaum	I.—Karnátak{Rayatwári Other Government Allenated Total			14,897 8,814 18,711	 	5-13 	103 "116 219	5 2 7	165 *** 82 247	105 ***25 130	 	1,100 857 1,957	*** *** ***		143 *** 1 3 156	9 103	1,501 ₂₇₃ 1,773		18,113 5,190 23,303	***		 	8,708 2,540 11,248		8,709 2,510 11,248
13	Bijápur	Rayatwari Other Government Alienated	***	 1::	8,192 878	500 500	*** *** ***	1 1	 	14 1	::: 4	801 444 946	20 6			 5	4	187 24 211		3,479 410	***		···	1,433	***	1,483
14	Dhárwár	Total {Rayatwari Other Government Allenated Total	**************************************		3,570 52,661 2,081 54,692	 ::: 4	2	52 1,359 *** 56 1,415	446 54 500	15 29 29	4 	3 	26 508 3 508	* *	17 17	93 93	137 3 140	1,372 2	=	3,889 66,831 2,148 58,779		::		1,581 3,809 419 3,728		1,581 8,309 419 3,728
15	Thána	IV.—Konkan {Rayatwari Other Government Alienated Total	 	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	288	247 ::: 247	101 101 101	212 212	10 ::: 10	40 ::: 40		***	663 663	200 210 - 100		**** *** ***	1 1	4 4		1,465 1,465	 		 	1,274 1,274		1,274 1,274
16	Kolába	Rayatwari Other Government Alienated Total	 	::	68 79	111	1:1	19 10	=	" I	 	449 445 000	289	, ser	9-4 1-4 9-7		***	***		376 80 	*** *** ***	::	 	35 10 		85 10
17	Ratnágiri	Rayatwari Other Government Alienated Total	•••	=	147 289 89 81 459	-	••• ••• •••	: 19 : :	460 287 2 739	4 	*** *** ***		289			: :- :-	***			456 843 826 83				45 142 81 21		45 143 81 24
18	Kanara	Rayatwari Other Government Alienated Total	400	1,133 ::: 1,133	807 307	:: :: :: q	1,906 1,906	253 253 253	11,562 11,562	57 57		•••	6 : 6				 6	4	251 ::: 251	1,202 15,488 15,488		 	 	197 8,886		197 8,336
	Total, A	(Reveluée)	9.44 9.44	1,138	123,032 996 11,674	1,153 75 61	1,908	8,898 717 4,615	32,477 287 58	5,231 762 5,992	1,071 1 67 1,139	1,233 151 1,364	22,120 11 1,399 23,530	503 763 1,286	1,643 1 8	2,657 89 173 2,918	3,534 61 154 3,749	6,079 122 660 6,860	454 98 552	183,125 2,633 15,849 206,507		27	81	3,386 72,212 1,907 9,308	=	3,386 72,243 1,907 9,308
19 20 21 22 23	Karáchi Hyderabad Shikárpur Upper Sind F Thar and Pár	B.—Sīb.D.	•••	•••	45 287 175 87 594	0.0 0.0 0.0 0.0	1,908				27 8 7 1 	1 15 6 22 1,386	245 73 2,033 204 57	84 36 120	1 	3 2,021	2,772 810 6 5 3,593	45 102 104 5 5 261	11 	3,231 1,298 2,361 210 160 7,260	-4 	22 14 16 55	22 14 16 3 55	1,514 1,333 603 25 27 3,502		1,514 1,333 603 25 27 3,502
		GRAND TOTAL	• • • •	2,200	200,230			-,020		0,002		1,000	20,122	2,200	_,0±0	2-31-22	1,023		~	210,707	4	04	86	66,959	•••	86,959

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I									•		orops, i	.0000	•										_				
					. V	7111.— O	il Skeds					,	IX	-D1	(ES.]		X.— Fi	ares.				Eous.	•	d more	cropped,
N6	Districts.	Sesame (Til), Sesamum Indicum.	Lingced (Alsi, Javas), Linum uelkatissimum.	Castor-oil Seed (Ernn. dyn), Ricinus commu- nis.	Safflower Seed (Kardal), Carthamus tinctorius.	Rape Seed (Shiras), Brassles napus.	Niger-seed (Khurdani), Verbesina sutiva.	Ground-nut (Bhuimug), Arachis b) pogea,	Cocoanut (Khobare),	Others,	Total VIII.	Indigo (Nil, Guil), Indi-	Safflower (Kusumba), Carthamus Persicus.	Morinda (A'l, Surangi), Morinda citrifolia.	Others.	Total IX.	Catton (Kápus), Gossy. plum herbaccum,	Bombay Hemp (San, Tag), Crotolaria Juncea.	Hemp (Ambádi, Sheria), Hibiscus camablaus.		—J:	Others.		XIMISCELLANE	Gross Area cropped.	Deduct Area cropped than once.	Romainder Net Area
i .	1	67	68	69	70,	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87 8	8	89	90	16	92
	A.—Bombay Presi- DENCY PROPER.										Acres.					Acres.						. ≜er	es,	Acres.	Acres.	Acres.	Acres
1	I.—Gujarát. Ah mad - Rayatwári Other Govt. Alienated Total	14,769 7,395 243 22,403	5,160 1,476 6,636	11,925 2,623 148 14,696	211 30 1 242	5,403 1,046 15 6,461	### ### ***	*** *** ***		- 610 602 710	87,468 12,561 412 50,441	89 89	774 4 778			863 4 867 1,839	153,666 21,711 299,471 5,713	948 1,849 80 2,377	209 172 471 2,469			30	25,841 55,187 21,791 2,319 8,236 4,880	380 380 142 13	702,238 652,470 61,202 1,415,910 591,657 161,947	29,226 6,156 185 34,567 41,311 5,414	674,013 646,314 61,017 1,381,343 547,216 150,533
2	Kaira Rayatwarl Other Govt. Alienated	4,213 1,700	601	4,715 588 	953	210	***	***	::	400	10,691 2,308	187 127	190	***	***	1,656	3,864	10 67	3,472		::: 	٠,	 3,116		753,504	49,755	703,749
3	Total Panch Ma-{Rayatwari. Other Govt. Alienated	5,913 13,271 1,252 1,170	601 289 8	5,303 2,793 785 417	970	212 2,055 48 63	14,001 2,394 953	 	=-	*** *** ***	12,999 32,349 4,479 2,610	314	1,342	100	100 100 100 400	1,000	164 257 9	2,517 658 333	423 219 112 754	:	::: :::	•••	3,124 1,634 454 4,612	1 1	\$20,680 76,862 41,895 439,437	74,765 8,368 6,550 89,689	245,915 68,494 35,339 349,748
4	Total Broach Rayatwari Other Govt. Alienated	15,693 10,718 15	297 	3,935 1,544 :::	 	2,165	17,348 :::		: : :	4 *** 4 *** 4 ***	39,438 12,263 15	600	14			614	450 273,880 515	3,408 33 33	1			- 174 148 41	273,914 515 	60 	578,644 843 579,487	668 668	577,976 843 578,819
5	i	10,733	8	1,544 83,061 811 85		 4 	136	213 19 8	::::	010 010	12,277 35,162 840 93	600	30			614	109,784 1,284 453	2,889 7 4	59	9	4**		112,732 1,241 457	109 	525,794 5.723 3,804 505,311	47,972 473 16 48,460	5,251 3,783
6	Total II.—Decean. Rhándesh. Chher Govt.	1,750 82,058 2,109	106,556 1,779 1,938	33,457 12,884 657	1,530		6,028 1,090	6,243 1 34	111	000 010 110	35,595 216,299 5,726 8,977	1,454 	30	64		30 *1,519 ** 1		2,093 710	Ĭ	18 17	:::	1 1	052,579 8,534 25,928	45	2 ,936,813 52,962 73,149	26,034 12 377	2,910,279 52,950 72,772
		1,770 86,027	110,273	13,625	1,537 14,975	•••	7,262	6,278 18,539	1 '	•••	225,002	1,455	1	ı	1	1,520	62,480	2,925 8,311	1	ıı		2 1,0	68,335	2 10)	1,879,675		1,851,352
7	Nasik {Rayatwari Other Govt. Alienated	65,171 1,960	4,141	3,567 57	1,172	***	5,628 109,434	1,501		in Lul	14,459 291,494	;;;	***				₉₆₁ 63,444	3,493		19 30		\	1,169 69,49	5	1	29,907	1,958,997
8	Total Ah m a d - {Rayatwari Other Govt. Alienated	20,311 20,311 3,318	85,718 27,961 4,534	3,024 468 	15,547 146,691 22,461		27,325 473	- 6,111 		916 918 -988	228,967 31,220	155		1	1	155	47,210 12,073	434	12,70	36		:::	60,37 14,08 74,45	3 4	2,412,082 308,681 2,720,763	3,16	305,518
	/ Ravatwári	23,629 8,267	32,495 2,531	515 230	169,152 86,528	***	27,798 85,606	6,498 15,529		-000 -010	260,087	155		=		155	59,313 3,458 15	419	5,1	53		3	9,06	3 201	1,768,37	73,59	s 1,694,774
1 9	Poona Other Govt. Alienated Total	3,60 3	2,665	272	98,676		6,143 41,749	8,256 18,785			22,069 165,750				l	•••	3,473	1	i .			1 1	10,12	1	2,079,62	7 84,16	3 1,995,464

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0	Sholapur . Rayatwari Other Govt.		35,501	7,926		410	16,883	41,958 3,413	=	••• · [249,591	1	. 68	117		160	8,937 510	121 ••• 19	19,494 987	•••	:::	:::	28,552	62	1,974,414	34,684 2,263	
	Total	958 14,165	2,017 37,518	823 8,554	8,765 142,881	***	1,654 18,437	45,371	***	***	17,335 266,926	1	68	117		 186		140	20,481		,		1, 10 3 0,068	6 3	2,125,327	36,947	1
	(Ravatwári	206	,	530 530	26,925		17,603	56,787	***	, 	104,439						8,128	1	7,889				19,747	84	1,521,558	110,884	'
n	Sátára Other Govt.	24	i`	l I		*** 1	3,448	14,561	***	470	21,532		***	***	ere ive	***	29 9	٠ ا	1,308			:::	2,001	2	257,111	24,906	232,205
	Total	230	2,8 88	568	29,986	•••	20,951	71,348			125,971	***	•••			•••	8,426	4,125	9,197				21,748	86	1,778,669	135,790	1,642,879
	III.—Karnátak.						' I	.	Ì		•						İ				- {						
2	Belgaum , Rayatwari	4,730	2,7 17	9,13	29,837		10,988	12,396			69,807	•••		•••			174,196	1,656	5,749				181,601	12	1,451,683	33,286	1,418,397
	(Allensted	1,090	819	2,708	9,895		1,963	3,577	•	400	19,577	•••			***	***	29,829	791	1,255	1			31.8 75	8	816,191	4,095	312,096
İ	Total	5,820	3,066	11,842	39,732	•••	12,951	15,973	•••	•••	89,3 84		•••	•••	•••	•••	204,025	2,447	7,004	•••		•••	213,476	20	1,767,874	37,381	1,730,493
3	Bijapur Ravatwari Other Govt. Alienated	25,931 1,504	74,052 6,840		73,488	,140 ,148	44,861	62 27		4v1	225,255		***			***	378,874	30	8,040		***	::	386,444 50,768	15	2,486,163 290,083	14,067 619	2,472,096 289,463
	Total	27,435	80,892		81,063		48,954	89		244	21,011 246,266	•••		***	**]		49,861 428,235	35	902 8,942		- 1	**	437,212	16	2,776,245	14,686	2,761,559
4	Rayatwari	17,548	17,872	-	38,359		4,509				93,351						519,341	179	4,420				523,940	18	2,011,939	36,706	1,975,233
•	Dharwar . Other Govt.	479	985	711	1,500		··· 5 52	***	· [455	4,227	***	***		-	449 444	. 18,542	6	299	· }	***		18,847	1	111,831	1,866	109,965
	Total	18,027	18,857	15,774	39,859		5,061	• • •	•••		97,578						537, 883	185	4,719				542,787	19	2,123,770	38,572	2,085,198
	IVKonkan.								İ		1				ļ		•	ļ			- 1				,	:	
5	Thána Rayatwári	3,686	·••	2,161	1	4	10,447	***		,	16,29 9		•••					3,142	2, 841				6,9 83	2 0	460,845 1,070	4, 976	455,869 1,463
	(Alicouted	7.696		***	-]	-	75	***	•••		75	. ***	***	•••		***	Eres buds	3	5				6	***	7,751	5.033	7,701 464 622
	Total	3,686	***	2,161	. 1	4	10,522 860	***	,***		16,374	***	•	•••	•••	***	•	3,148	2,846		•••	•••	5,9 89	20	469,666 242,880	5,033 6,653	464,633 236,227
. 6	Kolsba Other Govt.	3,642	6+1 6+2	12		***	317 4	***		10	2,510 3,971 11		500 1.00	:::	•••	***	940 pp.	297 409	135 13		.		. 422	1	161,877 1,943	5,529 42	155,848 1,901
	Total	5,2 34		17			1,181			10	6,492		•••			***	•••	706	148	ĺ	- (854	2	406,200	12,224	393,976
7	Ratnagiri . Rayatwari	1,694 1,215	***	:::		***	3, 253 3 55	*	49 78	´]	4,996						1	918 620	δ				92 4 62 0	132	97,162 81,753	5,96% 1,60	91,197 29,953
1	(Alienated	"	-		***	•••	150	•••	"	- 1	1,649 160	***	***	=			******	1	***	=			1		3,426	265	8,153
	Total	2,909 148	٠ ا	***	***	•••	3,7 68	•••	127	1	6,805	***				•••	1	1,539	5		•••		1,545	132	132,341	8,033	124,368
3	Kanara Other Govt.		113	166			159	***		32 0	797	***		=		***	0-2214	74	153	***			227	 	251,769	13,610	233,009
	Total	148	. 5		***		158	•-	***	320	 7 97					***		74	153	l			227	42	251,709	13,610	238,099
	Total, A. (Rayatwari	274,993 17,419		112,975 4,976	553,013	7,676 1,096	29 6,3 67 4,156	157,83%	4.9	330	1,759,859	2,486	2,039	181		4,706	2,752,566	22,878	86,096		_ -	-5	2,861,545 167,435	1,474	22,213,698 1,145,007	625,391 27,75×	21,559,307 1,117,249
	Ahenated	12,874	21,346	5,835	66,585	77	25,187	26,764	78		31,049 158,765	127		<u>:::</u>		321 1	162,243 159,683	3,663 3,100	1,527 8,174	::	***		169,957	81	2,448,463	56,855	1,091,978
	Total	304,586	381,919	123,886	619,646	8,849	325,710	184,622	127	331	1,949,676	2,614	2, 233	181		5,028	3,074,492	28,641	95,797		<u> </u>	5	3 ,1 98 ,93 5	1,5 20	25,407,168	709,704	24,697,464
	B.—Sind.									,							-										
la-	Karáchi		1	15 3		15,148			•••	34,68 2	57,917	44	•••		1		1,084	72	1	•••		}	1,157	169	452,213	24,418	427,798 886,656
10	Hyderabad Shikarpur	25,257	•••	1	•••	9,069 42,634	•••	•••	•••	47,840 28,566	96,458	6,382 3,684	***		9 474	6,3 91 4,1 58	81,075 4,631	374 51	*** T	***	- 1		81, 450 4, 652	1,652	1,044,973	12,699 170,163	874,810
12	Upper Sind Frontier. Thar and Parkar	67,945 4,506		 1 3 3	***	15,189 1,557		•••	•••	23,183 18,919	1 0∂,32∈	132	***	•••	,	132 447	644 25,662	19	 1		••••		660 25, 679	143 2,930		18,291 6,037	$\frac{267,158}{612,872}$
	Total, B	l		287		83,597				153,190					484	11,173		53 2	3	-		-	113,631			231,608	
	GRAND TOTAL			124,173				184,622									3,187,588	[—	1			23,705,670	941,312	27,766,753
		I			<u> </u>			<u> </u>		_			,=				<u> </u>					<u> </u>			<u> </u>		

	District.	Net area cropped.	Area irrigated	Area irrigated from other	170041			Ca	oppine of In	eigated Área.			!	Deduct area cropped with irrigation	Balance net irrigated
No.			from Canala,	scurces.	area irrigated.	Wheat.	Rice.	Other Cereals and Pulses.	Sugarcane.	Other Food Crops,	Non-food Crops.	Fodder Crops.	Total.	more than once.	Area-
	1	3	*	4	5	6	7	8	9	10	11	12	13	14	15
	ABombat Presidenct Proper. IGujarát.	Acres.			Acres,								Acres.	Acres.	Acres.
1	Ahmadabad {Rayatwári	674,013 646,314 61,017	3,394 140 821	84,949 18,650 990	39,343 18,790 1,311	9,514 11,395	6,492 856 321	14,332 1,066 285	2,471 1,132 12	2,608 1,219	2, 368 191 33	982 2,842	38,747 18,790 1,311	404	38,343 18,790 4,311
	Total	1,381,343	3, 855	54,589	58,444	656 21,565	7,668	15,673	3,615	3,831	2,592	3,904	58,848	404	58 ,444
2	Kaira Raystwari Other Government	547,216 156,533	190 	16,710 12,965	16,900 12,965	8,446 763	159 13	5, 56 891	669 584	2,310 1,257	5,814 9,669	407 249	17,961 13,426	1,061 461	16,900 12,965
	Total	703,749	190	29,675	29,865	4,209	172	6,047	1,253	3,567	15,483	6 56	31,387	1,522	29,865
3	Panch Mahals. Raystwiri	245,916 68,494 36,339	esedilo 4 preses	1,148 901 841	1,148 901 841	479 858 251	120	3	227 16 26	261 319 64	243 9	2	1,933 903 341	185 2	1,148 901 341
1	` Total	349,748	***	2, 390	2, 390	1,288	120	3	269	643	252	2	2,577	187	2,390
4	Broach Rayatwari	577,976 843	610.00g . 610.00g .	681	681	Grand Grand Grand	1	, 2	78 	403	196	· 2	681	010-12- An-19-p 010-1-1	681
١	Total	578,819		681	681	••• ~	1	2	78	402	196	2	681		681
5	Surat	477,812 5,251 8,788	gad sag	10,914 164 81	10,914 164 31	24	2,995	76 	5,530 131 12	1,277 14 5	1,156 19 14	******	11,058 164 81	144	10,914 184 • 31
ł	Total	486,851	•••	11,109	11,109	24	2,995	, 76	5,673	1,296	1,189	··· .	11,253	144	11,109
1	H.—Deccan. Rhándesh — (Bayatvári Other Government	2, 910,279 62,960 72,772	12,753 94 845	81,165 12 864	43,918 106 1,209	12,677 80 205	2,438	3,539 46 204	\$,190 2 103	8,019 9 641	16,841 19 228	75 5	46,679 106 1,288		43,918 106 1,209
	Total	3,036,001	13,192	32,041	45,233	12,812	2,440	3, 789	3,295	8,569	17,088	80	. 48,073	2,840	45,233
7]	Násik Rayatwari Other Government	.1,851,352	87,611 8,474	39,368 3,939	76,979 7,413	24, 592 	4,292 268	11,576 	8,967 839	17,076 1,865	17,165 1,190	2,270 175	85,938 7,978		76,979 7,413
	Total	1,958,997	41,085	43,307	84,392	26,929	· 4,560	12,881	9,805	18,941	18,355	2,445	93,916	9,524	84,392
1	Ahmadnagar . Rayatwari	2,871,449 805,518	7,680 500 817	83,107 7,861	90,787 *******8,178	24,541	1,250 164	49,719 4,227	8,852 245	6,512 ******* 810	12,631 1,550	1,220 53	99,225 		****
	Total	2,676,967	7,997	90,968	98,965	26,824	1,414	53,946	3,597	7,322	14,181	1,273	108,557	9,592	98,965
F	Oona (Rayatwári Other Government	1,894,774 300,690	31,310 - 2,907	62,580 11,861	93,870 14,258	20,468 8,930	. 1,279	42,610 5,045	10,965 2,142	22,607 8,941	11,475	924	110,323 16,268		93,870 14,258
1	Total	1,995,464	34,217	73,911	108,128	23,393	1,380	47,655	13,107	26,548	13,465	1,043	126,591		108,128

				•	1					•						
10	Sholápur	Rayatwari Other Government	1,939,730 148,650	9,862	79,883	89,545 6,054	27,605 (1,974	5,419 249	41,981 3,849	228	8,356 	25,096 1,303	1,209	114,611	25,066 1,910	89,545 6,064
<u>.</u> .		Total	2,088,380	- 10,019	85,580	95,599	*29,579	5,668	45,830	5,173	8,702	26,399	1,224	122,575	26,976	95,599
3		* (Dannémáni	1,410,674	15,099	83,669	98,768	19,920	5,413	24,573	12,870	13,028	40,189	362	116,955	17,587	98,768
• 11	Sátara	Other Government	232,205	1,532	18,856	20,388	4,005	2,212	4,238	2,457	2,609	7,452	 81	23,054	2,666	20,388
0		. Total	1,642,879	16,631	102,525	119,156	23,925	7,625	28,811	15,327	15,637	47,641	443	139,409	20,253	119,156
		, 10041 511	1,042,019	10,001	4	. 113,100	20,020	1,020	20,021	10,021	10,00,	-1,01-		. 200,200		
		III.—Karnátak.	. •			•	12				:	-		·		
12	Belgaum	Rayatwari	1,418,397	2,057	34,080	36,137	2,458	8,502	7,761	8,708	6,798	5,658	134	40,019	3,882	36,137
14	Dergadun	(Alienated	312,096	1,554	9,310	10,864	1,029	341	2,987	2,540	2,552	2,392	69	11,910	1,046	10,864
•	• • `	Total	1,730,493	3,611	43,390	47,001	3,487	8,843	10,748	11,248	9,350	8,050	203	51,929	4, 928	47,001
13	Bijápur	Rayatwári Other Government	2,472,096	. 864	- 9,927	10,791	1,974	1,547	1,026	1,433	3,479	2,217	223	11,899	1,108	10,791
.10	(1)	Alienated	289,463	- 51	1,276	1,328	279	140	139	. 149	522	247	24	1,499	173	1,326
	•	Total	2,761,559	915	11,202	12,117	2,253	1,687	1,165	1,581	4,001	2,464	247	13,398	1,281	12,117
14	Dhárwár	Ravatwari	1,975,233	7,488	69,109	76,597	45	67,360	277	8,167	3,786	2,873	1	77,509	919	76,597
		(Alienated	109,965	797	7,932	8,729	140 100 1 141 100	7,885	6 -1-100	892	229	235	054.0 1	8,741	12	8,729
		Total	2,085,198	8,285	77,041	, 85,326	45	75,245	277	3,559	4,015	3, 108	1	. 86,250	924	85,326
•		IVKonkan.		. •		•				;				•	i	,
•-	Thána	(Rayatwari	455,869	****	6,793	6,793		414644	*****	1,274	5,275		244	6,793	······· .	6,793
15	Luana	Other Government	1,063 7,701	*****	137 291	137 2 91	*****	******	******	*****	137 2 91	*****	*****	137 2 91	******	13 7 291
		Total	464,633	***	7,221	· 7,2 21	*****		******	1,274	5,703		244	7,221	•••••	7,2 21
16	Kolába	Rayatwari	236,227 155,848	. ****	2,272	2,272		400 444	B00 11%	29	1,544	700	1	2,274 6	2	2,272
10	120-1112	Alienated	1,901	4 444+11		5 ******	****	******	****	******		*****	, :::::		*****	******
	ľ	Total	393,976	•••••	2,277	2,277	*****	*****		29	1,549	700	1	2,279	. 2	2,277
17	Ratnágiri	Rayatwári Other Government	91,197 29,953	444	5,032 914	. 5,022 914	*****	2,387 425	930 155	. 102 11	949 317	655 6	100.00	5,022 914	******	5,022 914
	, –	(Alienated	8,158	41194	. 269	269	000 1 10 100 - na	. 194	27	16	21 '1 000	11 e=3	,,, ,, ,	269 6 90 =	•••••	209
		Total	· 1	*****	6,205	6,205	*****	3,006	1,112	129	1,286	672	*****	6,205		6,205
18	Kánara	Rayatwari	238,099	237	24,615	24,852	******	14,265	499	2,966	4,774	2,352 	······································	24,857	D	24,852
	ļ	Total	P20 000	000	·······	*** *	*****	******	400	0.000	4,774	2,352	1	24,857	 5	24,852
		d The week well will	238,099	237	24,615	24,852		14,265	499	2,966	109,060	147.629	8,935	811,284	80,967	724,317
	Total, A.	Other Government	21,589,307 1,117,249 1,991,998	128,345 234 11,655	595,979 83,748	724,817 33,983	147,638 12,746	123,919 1,293	204,060 2,148	70,943 1,876 9,159	3,276 13,500	9,913 16,645	3,193 541	31,445 00,277	463 9,615	\$3,953 60,662
		Total	24,697,464	140,234	698,727	80,662	15,949	135,090	228,514	81,978	126,136	174,187	11,769	936,006	97,045	838,961
	1	B.—Sind.		-10,204		838,961	176,333	137,089								
							1					20.001				
19 20	Karáchi . Hyderabae	d	003.000	312,374 821,731	115,424 60,642	427,798	59,263	160,032 169,038	160,489 429,815	1,514 1,333	6,076 11,101	63,081 205,274	1,762 19,538	452,216 894,773	24,418 12,400	427,798 882,373
21	Shikarpur		874,810	715,985	158,825	882,373 874,810	58,674 219,787	252,957	346,794	602	15,344	108,087	1,402	1,044,973	170,163	874,810
23 23	Thar and	d Frontier Párkar	C10 0 PO	254,120 196,224	13,038 27	267,158	26,407	14,205 101,204	136,075 40,418	25 27	1,198 1,617	107,534 48,591	5 2,431	285,449 202,226	18,291 5,975	267,158 196,251
•		Total, B	2000.004	2,300,434	347,956	196,251	7,638	697,436	1,113,590	3,501	35,336	532,867	25,138	2,879,637		2,643,390
	1	GRAND TOTAL				2,648,390	471,769		1,342,104	85,479	161,472	707,054	36,967	3,815,643		3,487,351
)	Committee LUINE 41.	21,100,138	2,410,668	1,046,683	3,487,351	648,102	834,525	ا ≱∪غو∷يدنود	CUITIO	101,214	.01,001	00,001	5,5-0,020		

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V.—Agricultural Stock, 1893-94.

1		i							TLE AND O		2201220						l	Prot	JGHS.	CAR	TS '
.]	District.	Plough	Cattle.	Bulls for l	breeding	Oxen and H for other p	e-bulfaloes urposes.	Milch	Cattle.	Young	Stock.					<u>·</u>	Mules			<u> </u>	
		Oxen.	He- buffaloes,	Bulls.	Bull Buf- faloes.	Oxen.	He. Buffaloes.	Cows.	She- Buffaloes.	Calves.	Buffalo- Calves.	Total Cattle.	Horses and Ponies.	Sheep.	Goats,	Camela.	and Don- keys.	Small,	Large, i.e., over two Bullocks,	For riding.	For carrying loads.
	1	3	3	•	5	6	7	8	9	. 10	11	12	13	14	15	16	17	18	19	20	21
A.—	Bombay Presidency Proper.		·																		
	I.—Gujarát.									-					-						
Ahn	adabad { Rayatwari Other Government Alienated	78,882 53,617 5 ,082	111 26 25	869 279 .29	327 144 11	2,646 598 84	242 41 7	51,304 45,797 3,874	60,790 30,090 3,345	32,372 20,835 1,585	84 ,643 13,282 1,250	262,185 164,909 15,842	2,981 2,614 755	11,154 22,436 2,353	21,213 22,782 2,247		5,315 2,575 248	38,739 25,109	1	987 316	12, 7,
	Total (Rayatwári	138,381 92,630	162	1,176 234	482 314	3,278 534	· £ 90	100,975	94,225	54,792	49,175	-	6,350	35,943	49,242	680	8,138	2,442 66,309	1	65 1,3 68	1, 21,5
Kai	Other Government	22,114	A	22	158	250	198 	89,867 2, 828	76,621 38,725	38,005 5,173	59,846 24,6 02		1,796 348	4,699 2,281	24,954 4,240	33	3,69 4 1, 639	49,409 13,760	******	890 . 554	19
	Total	70,540	76	256 344	472 201	784	264	42,695	115,346	43,178	84,448	40 2,26 3	2,144	6,983	29,194	130	5, 3 33	63,169	*****	 1,444	26,
and	h Mahals Rayatwari Other Government Alienated	19,682 8,359	i	149 41	38 19	1,394 357 11	150 12 8	51,930 15,065 6,196	16,660 4,674 1,812	51,226 14,442 5,789	10,296 2,832 1,089	202,74 8 57,252 23,3 55	2,208 638 158	2,218 2,811 141	21,995 6,370 2,381	16 5	1,310 360 75	81,151 9,912	912 912	155 60	
	Total	98,581	14	534 85	258 127	1,762	165	73,191	23,176	71,457	14,217	283,355	3,004	5,170	30,746	20	1,745	3,796 47,859	******	6 221	9
roa	ch (Rayatwari Other Government Alienated	57,611 842			2	1,330 5	78	13,162 162	31,652 338	20,461 195	22,599 269	147,100	8,110	15,172	24,19)	.128	1,923 	26,939	944 740 844 54 p	3,705	10
	Total	58,453	4	85	129	1,335	. 78	13,324	31,990	20,656	22,868	1,813 148,922	3,135	155 15,327	255 21,416	l	1,9 2 3	27,302	1194	3,740	16
ırai	Rayntwari Other Government Alienated	100,553 797 590	3,948 54 10	253 8 8	182	9,293 57 68	2(3 15 3	63,82 6 714 4 02	44,790 337 298	76,3 93 828	84,600 223	334,041 8,029	1,431 2	85,949 335	26,205 84		429 	48,646 392	883 11	9,432 56	. 3
	. Total	101,940	. 4,012	2 59	183	9,418	221	64,942	4 5,425	77,631	103 34,931	338,962	1,436	128 66,415	7s 26,36 7		 42 9	245 49,303	896	9,534	Į
	II.—Deccan.					••	1	•			٠				·			,500	-	J,00±	
hán	desh Rayutwari Other Government	328,371 20,931 10,454	1,483 27 48	4,283 169 71	960 53 19	22,532 \ 910 896	2,930 15 74	185,254 16,876 5,623	111,493 2,837 3,344	146,175 13,815	78,144 1,666	881,625 57,299	25,497 492	36,611 277	. 195,489 5,010		7,432 75	97,137 10,013	17,628	38,634 299	6
	Total	359,756	1,558	. 1	1,032	24,338	3,019	207,753	117,674	4,505 - 164,495	1,9 8 0 81,770	26,991 965,918	670 26,659	2,106 38,994	. 5,84 3 206,34 2		856 7,863	2,293 109,443	950	997 39,930	71
sil	Rayatwári Other Government Alienated	14,388	23,366 1,317	4,541	7	13,133	738 	160 093 8,114	30,459 1,713	102,264	18,212	565,226	14,835	124,226	154,612		8,444	54,318	23,625	10,840	l
	Total	226,424	24,683	4,676	392	13,856	757	168,206	32,172	5,960 108,224	19,335	83,499 598,725	830 15,663	5,453	8,149 162,761		3,643	2,956 57,274	1,931	642	
ma	dnagar Rayatwári Other Government Alienated	270,347 31,822	5,225 79	636 78	186 26	10,828	1,340 158	192,742	31,648	143,641	17,711	674,304	23,494	277,678	215,042		7,172	19,581	25,556 41,829	11,432 12,589	1
	· Total	302,169	5,304	.714	212	12,557	1,498	21,158 213,900	2,802 34,450	15,711 159,352	1,720 19,431		25,436	36,145 313,823	22,441 237,483		930		4,631	1,214	1
na	Rayatwari Other Government	223,212	7,165	709	31	9,923	817	139,444	89,736	91,205	19,517	531,916	12,969	221,92 9	142,974			22,416 26,186	46,460 23,368	13,803 8,205	
	(Alienated Total	41,467 264,679	7,498	831	219	899 10,822	70 887	24, ₁₂₉ 163,573	5,878 45,614	15,787	3,164 22,681	**************************************	1,836	22,932 244,861	21,791	***	760	. 2,832	1	369	ι.

Sholápur Sátára	Rayatwari Other Government Alienated Total Rayatwari Other Government Alienated Total	195,901 14,088 209,939 192,938 84,809 227,747	6,395 500 6,895 12,625 3,425 16,050	1,216 61 1,276 536 67 .603	367 9 376 207 23 230	9,253 354 9,612 5,482 551 6,033	2,622 210 2,832 835 161 996	127,664 9,728 137,392 123,840 21,308 145,148	34,336 2,038 36,374 65,051 13,116 78,167	109,106 8,836 117,942 94,471 17,555 112,026	23,179 1,504 24,683 43,883 8,994 52,877	510,043 37,278 547,321 539,868 100,009 639,877	13,045 	219,920 22,286 242,206 295,505 33,788 329,293	125,005 11,065 136,070 102,910 17,772 120,682	20	4,024 164 4,188 2,440 185 2,625	2,579 331 2,910 17,910 5,263 23,173	16,379 1,221 17,600 20,091 3,440 23,531	50 936 899 • 119 1,018	14,033 794 14,827 20,358 3,642 24,000
III.	.—Karnåtak.	.								,	-	•									
Belgaum	Rayatwari	151,460	30,325	306	95 12	7,316	783 115	91,475 16,439	72,192 14,461	78,726 15,850	47,829 10,151	480,507 93,783	5,982 1,502	143,238 • 45,803	75,550 18,624	75 · ••• 5	2,566 57ō	56,865 7,520	9,033 2,357	411 67	25,800 4,383
Bijápur	Total Raystwari Other Government , Alienated Total	183,068 177,192 21,001 201,196	34,295 4,445 594 5,049	343 280 99	107 140 22 162	8,406 6,102 610 6,712	2,634 2,634 2,917	107,964 105,814 14,690 120,404	86,653 55,682 7,433 63,315	94,576 130,676 18,157 148,833	57,980 60,697 7,003 57,700	574,290 533,882 72,781 606,666	7,484 • 10,269 • 1,190 11,459	189,041 143,199 24,345 167,544	94,174 140,756 24,500 165,256		3,141 4,993 646 5,639	44,439 . 6,871	9,014 "1,073	511 24 138	30,183 13,163 1,454 14,617
Dharwar	Rayatwari Other Government Alienated	201,436 14,654	18,232 2,465	520 13	3 55	11,040	946 83	99,341 8,613	76, 543 5,183	114,635 10,254	60,887 4,431	583,835 46,883	4,54 8 380	161,871 3,839	106,888 7,083	4	6,735 	90,435 7,475	10,087 5,070 253	81) *** 89	47,420 3,221
	Total V.—Konkan.	216,090	20,697	533	269	11,723	1,029	107,954	81,726	124,889	65,308	630,218	4,92 8	165,710	113,971	4	7,065	97,910	5,323	.850	50,641
Thana	Rayatwari Other Government . Alienated	122,821 994 2,463	40,517 445 447	432 1 4	6 5	4,497 843 • 45	30 F 17 2	99,000 964 1,005	21,512 144 2 91	92,806 294 743	16,696 143 184	396,880 3,39 ⁵ 5,174	1,272 106 33	3,245 478	42,347 329 599	•••	3(/ 	75,163 858 1,306	**************************************	4,202 42 123	26,194 271 676
	Total	126,268	41,439	437	65	4,884	32 3	100,969	21,997	93,848	17,2 22	407,452	1,411	3, 723	43,275	•••	30	77,127	•••	4,367	27,041
Kolaba	Reyatwari Other Government Alienated	50,791 31,4% 681	26,431 13,290 843	301 60	96 49	3,795 563 10	407 79 1	47,523 26,786 651	14,871 7,845 166	,44883 21,362 507	10,598 5,199 110	199,759 106,664 2,3 69	664 62	104	23,232 12,132 284		30 	35,899 21,026 508	*****	1,438 105 13	6,314 677 65
	Total	82,878	40,067	. 381	145	4,373	547	74,860	22,8 82	· ·	15,907	308,7 92	7 18	945	35,6 4 8		 30	57,43 3	****	1,556	7,046
Ratnágiri	Rayatwari Other Government	31,898 11,245 2,023	8,49) 2,244 517	22 13	12 9	1,511 122 6	112 56 2	15,945 7,284 701	6,378 2,567 289	_ 14,432 6,374 621	4,33 7 1,792 173	83,127 31,746 4,331	72 22 4		5,9 59 2, 012 13 2			20,611 6,857 1,239	000 and 000 400 4and	81 6 1	895 45 31
-	Total (Rayatwári	45,155 80,216	11,291 24,265	35 349	21	1,639	170	23,930	9,234	21,427	6, 302	119,204	98	85	8,103	•••	•••	28,737	•••	- 8 8	971
Kánara	Other Government .	*****	990 1-0 990 1-0	***	- 10	5,857 	1,198	77,103	25,528	66,237	13,423	297,251	307	1,696	4,123	***	7H	55,134 	******	80 .→	6,241
	Total	80,216	26,265	349	78	5,857	1,198	77,103	26.52 8	66,237	13,423	297,254	- 307	1,695	4,123		76	55,134	***	· 80	6,241
Total, A	Raystwari Other Government . Alienated	2,635,525 1m),956 237,873	#15,155 16,135 14,060	15,914 716 759	4,1 85 4 5 2 195	126,471 8,204 7,714	16,445 433 1,191	1,685,326 116,314 142,643	817,142 87,269 69,637	1,447,714 83,128	567,297 49,788	7,534,494 518,377	136,139 4,274 12,996	1,729,233 29,730 199,474	1,456,445 52,959 146,247	9×5 247 47		794,190 87,727 44,905	166,921 11 21,018	89,392 1,435 3,810	373,698 21,112 26,3e0
	Grand Total	3,037,684	245,359	17,389	4,832	137,389			966,948	1,653,307	43,223 660,258	8,685,538		1,957,437		1,229	_	930,212	187,950		421,290
	BSIND.														<u> </u>						
Karáchi Hyderabad Shikarpur Upper Sin Thar and I	d Frontier	}		Not ava	ilable.													·			

xxxii Accompaniment A to Agricultural Return No. II.

Details of "Current Fallow," 1893-94.

	_						 	<u> </u>	
No,	District.	7	rue fallow, i.e., customary fallow in rotation.	Grass lands, i.e., numbers or parts of numbers set apart for grass and never sown.	Grass bound or prickly- pear bound lands.	Shindád or Ráb land.	Land unsown owing to unseasonable or deficient rainfall.	Land left unsown for miscellaneous reasons,	Total fallow (Column 6 of Agricultural Return No. II).
	1	- -	2	8	4.	5	6	7	8
	I.—Gujarát.	- -							Acres.
1	Ahmadabad Rayatwari Other Government Alienated	•••	2,976 4,697 47	24,376 132,190 11,783	11 8	47	51,450 49,509 16,801	93,029 157,823 9,238	849,727 37,819
2	Total Kaira {Rayatwarl Other Government Alienated	***	7,7 20 1,873 6	168,299 11,526 5,288	19	47 53	117,760 9,152 58	199,590 22,103 740	493,435 41,707 6,089
3	Panch Maháls (Rayatwárl Other Government Alienated	•••	1,879	16,814 368 8,243 900	2 589 13,830 1,030	-53	9,205 1,717 8,484 1,706	22,843 81,156 56,835 25,384	50,796 84,742 82,392 29,020
4	Total Broach (Rayatwari Other Government		918 46,113 164	4,506 25,519 148	15,448 77	1	11,907 872	113,375 9,227	74,809 800
5	Total Surat (Rayatwári Other Government	•••	46,267 148,088 8,328	1,032	411***	1	372	2,227 11,898 86	74,609 250,211 4,445
	(Alienated Total	***	151,584			***	777	11,990	255,848
	II.— Deccan.			P non		49	97 000	119.008	162,183
6	Khandesh {Rayatwari Other Government Allenated Total	 	4,121 4,121	7,928 85 7,963	800		39,656	112,026 177 7,685 119,888	107,125 496 12,129 174,763
7	Nesik Rayatwari Other Government Alienated	511 514	114,281 *** 8,658	52,988 2,160	5,041 85	85	2,066	96,469 9,218	358,639 22,267
8	Total Ahmadnagar Rayatwari Other Government Alienated	0 1 4 0 1 4 0 1 4	122,934 78,121 19,242	38,016	8,541	845	32,225 2,327	105,687 205,074 28,768	380,906 862,824 59,665
9	Total Poona ••• {Rayatwari Other Government Alienated	***	157,098	010.114	15,490	917.000	** ***	233,840 90,829 20,268	422,489 898,867 77,791
10	Total Sholapur (Rayatwari Cother Government	***	. 180,707 73,216	110,096 93,706	20,736	17,618	35,894	111,097	476,148 846,279
J1	Total Satara (Rayatwarl Other Government	•••	6,484 79,70 154,590	98,291	52,315 52,315 3,955	721	23,104 3,045	18,053 118,663 64,828	26,515 372,794 868,831
-	(Allenated Total	•	209,665	86,184 176,589	1,439 5,394	2,421	676 3,721	10,829 75,657	104,616 473,447
.	III.—Karnátak.			67 400					
12	Belgaum Raystwári Other Government Alienated Total	111 100 101 101	78,056 15,553 93,609	67,403 40,042 107,445	38,610 16,455 50,065	161 	973 9,373	81,471 48,495 129,966	269,101 121,518 390,619
13	Bijápur {Rayatwári Other Government Alienated		6,240	-58,163 1,877	135,940 	010 000 - E10000 - E10170	15,949 2,131	105,815	922,107 45,555
14	Total Dhørwår {Rayatwår! Other Government Allenated	*** *** ***	8,059 1,234 110	*****	158,661 20,393 3,678	**************************************	18,080 9,371 921	122,822 66,723 8,410	367,662 200,156 28,830
	· Total		1,344	117,945	24,271		10,292	75,133	228,985
	IV.—Konkan.		•			-, -			, , ,
15	Thána Rayatwári Other Government Alienated Total	***	91,700 1,042 92,742	81,139 7,629 9,050 97,818	29,390 681 30,071	196,255 	5,203 740 5,943	29,492 7,948 37,440	433,179 7,629 20,384 461,192
16	Kolaba {Rayatwarl Other Government Alienated	***	74,702 117,650 1,223	44,162 678 676	2,780 832	45,951 17,434 441	784 80	11,411	179,140 180,816 2,540
17	Total Ratnágiri {Rayatwári Other Government Alienated	111	193,475 42,677 23,407 884	45,711 7,659 4,869	3,112 855 1,665	63,226 16,548 10,280	814 999 509	12,158 20,801 6,916 611	318,496 89,039 47,648 1,496
18	Total Kánara (Rayatwári Other Government Allouated	•••	66,068 8,523	12,528 \$3,882	2,520 4,358	26,828	1,508 2,248	27,828 45,762	138,180 89,405
	Total	•••	3,523	33,382	4,358	132	2,248	45,762	89,405
	Total Rayatwari Other Government Allenated	***	1,079,528 149,142 133,912	966,421 155,070 154,396	311,401 15,837 57,693	290,209 27,714 3,033	311,209 58,954 85,383	1,136,224 222,823 206,919	4,095,052 629,540 591,336
	Grand Total	••.	1,362,582	1,275,887	384,991	320,956	405,546	1,565,966	5,315,928

ACCOMPANIMENT A TO RETURN No. III,

ACCOMPANIMENT A TO REITEN No. III.

Details of Kharif and Rabi under Cereals and Pulses, 1893-94.

-	1													 	<u> </u>	
	Printed A							I	CEREALS.							
No.	District,	Joweri, Borghum Vulgare,	Bájri, Pennisetum Typhoideum.	Rice.	Wheat.	Barley.	Maize.	Kodra, Paspalum Scrobicu- latum,	Rági, Eleusine Caracana.	Rála, Panicum Italicum,	Vari, P. Miliare.	Banti, P. flavidum.	Bhádli, P. Pilosum.	Rajgira, Amaranth,	Others.	Total Cereals.
_	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	I.—Gujarát.															Acres.
1	Ahmadabad { Kharif Rabi	830,921	178,884	97,029	195,688	18,453	3,838	16,670	5,008		25,579	24,592	1 · · · · · · · · · · · · · · · · · · ·	45		682,621 • 214,431
	Total	3 30,921	178,884	97,029	195,688	18,453	3,838	16,670	5,008	241	25,579	24,592		. 45	4	896,952
2	Kaira {Kharif Rabi	54,195 8,445	188,808 4	133,574	19,023	 8,946	296	118,508	68,425	₁₈₄		1,425	\$10.000 611.000	276	29 7	565,260 32,479
	Total	62,640	188,812	133,574	19,023	3,946	296	118,508	68,425	184	593	1,425	•	276	36	597,738
3	Panch Maháls {Kharif	3,648 1,867	45,994	69,887	24,572	3,011	102,445	18,455	15,121	223	3,457	14,550	212	13	632	273,636 29,450
	Total	5,515	45,994	68,887	24,572	3,011	102,445	18,455	15,121	223	3,457	14,550	212	12	632	303,086
4	Broach { Kharif Babi	21,688 71,393	13,330	15,874	70,145	******	5	6,999	179	3	36	1	***********	7	*****	58,121 • 147,538
- 1	Total	93,081	13,330	15,874	76,145	***	5	6,999	179	2	36	1	•••	7	***	205,659
5	Surat Kbarif	110,939 1,000	6,507	107,693	26,561	*****	11	82,157	10,703	1	24	6 05	123	3	486	289.250
	Total	111,939	6,507	107,693	26,561	•	11	32,157	10,703	1	24	605	122	2	486	27,561 296,811
	II.—Deccan.		,	1									:			
6	Khandesh Kharif	475,168	6 02,221	81,524	264,479	5	2,804	3,283	9,179	553	4,708	2,617	1,868	340	706	1,134,976 266,479
- 1	Total	475,168	602,221	31,524	266,479	5	2,804	3,283	9,179	553	4,708	2,617	1,868	340	706	1,401,455
7	Násik Kharif	46,699 81,662	650,220	54,651	329,187	404 I M	2,009	4-14-4	131,802	630	41,605	57	3,725	147]2	931,557 410,739
	Total	128,251	650,220	54,651	329,187	·	2,009	 ļ	131,802	630	41,605	57	3,725	147	12	1,342,296
8	Ahmadnagar { Kharif	4,824 1,068,502	615,829	12,062	284,285	293	669	109	24,656	4,159	13,259	27	4,774	642	185 69	681,195 1,353,149
ļ	Total	1,073,326	615,829	12,062	284,285	293	669	109	24,656	4,159	13,259	27	4,774	642	254	2,034,344

9	Poona	Kharif Rabi	38,849 727,837	601,955	68,008	99,633	83 675	1,636 110	99	53,411	1,740	41,238	51	6,838	111	360 2,125	814,229 829,780
		Total .	766,186	601,955	68,008	99,533	708	1,646	99	53,411	1,740	41,238	51	6,838	111	2,485	1,644,009
10	Sholápur	{ Rharif	1,290,879	209,626	25,055	61 ,2 60	1,909	14,125	43	30	1,519	1,777	6	715	82	6,550	259,528 1,344,048
		Total .	1 000 070	209,626	25,055	51,260	1,909	14,125	43	30	1,519	1,777	. 6	. 715	82	6,550	1,603,576
11	Sátára	Kharif Rabi	284,480 193,946	498,047	40,055	60,083	5,050	8,032 914	20 	59,693	32,250	52,804		0000000 2000000	639	1.743	977,769 259,993
		Total .	478,426	498,047	40,055	60,083	5,050	8,946	20	59,693	32,250	52,804	6		639	1,743	1,237,762
ı	111.—	Karnátak.			,			5 20 3	41	, \$5,663	61 911	83,759	3				Q70 843
12	Belgaum	{ Kharif Rabis	420,811 186,434	169,776 2,726	111,356	73 108,394	218 219	5,391 2,538 7,929	41	55,687	81,311 4,648 85,959	33,759	 3		2 	170 9	878,362 304,986
		Total -	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	172,502	111,356	108, 4 67	219	-		•	3,2181		•	***	. 2	179	1,183,348
13	Bijápur	··· { Kharif Rabi	351,357 1,032,022	266,415	13,278	177,523	3	830 	30	903	32,181	10,153	5 5	******		8	674,453 1,209,665
		Total .	1,383,379	266,415	13,278	177,522 ·	3	830		203	•	10,153		***		8	1,884,008
14	Dhárwár	···{Kharif Rabi	445,967 166,131	4,259 5	158,638	266,930	31	31	85	50,748	77,918 3,661	85,976 184	200 to 10	107079		******	773,651 426,891
		Total .	602,088	4,264	158,636	266,930	31	31	85	50,748	81,569	36,160	***	, •••	•	***	1,200,542
	•	-Konkan	50	<u> </u>	301,410	164		. 63	13,522	60,775	****	25,745			(20)	*****	401,749
15	Thána	{ Kharil Rabi	50	144,,,,	301,410	164	B07747	83	13,522	60,775	***	25,745		042.00	****	******	401,749
		Total .			239,477		***		17,432	60.596		51,717	22	*****			369,344
. 16	Kolába	{ Kharif Babi	000 000 000 000 000 000	###	239,477		- mg-ret	***	17,432	60,596	******	51,717	22	******		*****	369,244
		Total .	•		46,642	•••	•••	***	18,657	25,469	 28	11,223			•	••••	102,019
17	Ratnágiri	Kharif Rabi	***	000 100	828 47,470	******	******	*******	18,657	25,502	28	11,223		000 see	**************************************		102,880
		Total		***	·		•••	•••	10,001		197	597		***	•••	•••	•
18	Kánara	*** { Kharif Rabi	1,525		181,163 14,301	**************************************	******	19		6,856		697	******	****	******		190,455 14,301
	Ť	Total ,	1,525	<u> </u>	195,463	***				6,856	197						204,757
	Tota	(3,591,191 4,819,498	4,061,871 3,735	1,706,373 15,129	237 1,965,662	75 33,553	142,124 3,562	246,110	63 3,517	232,713 8,724	853,757 777	43,967	19,264	1,985 821	10,873 2,222	10,087,976 6,872,240
:		Grand Total .	7,410,619	4,054,606	1,721,502	1,985,899	33,628	145,686	246,110	638,574	241,436	354,534	43,967	18,254	2,306	13,095	16,910,216

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ACCOMPANIMENT A TO RETURN No. III—continued.

Details of Kharif and Rabi under Cereals and Pulses, 1893-94.

	• .											II.—Poi	ses.					•	•	
No.	·	. 1	District.	_		Tur, Cajanus Indicus.	Gram, Cicer aretinum,	Mug, Phaseolus Mungo,	Udid, P. radiatus,	Math, P. aconitifolius.	Vál, Dolichos lablab.	Chavli, D. catiang.	Kulith, D. uniflorus.	Vatáne, Pieum sativum,	Lentil (Masur).	Lakh (Lang), Chickling Vetch.	Field Vetch (Guvàr),	Others,	Total Pulses.	
1			2	- · · · · · · · · · · · · · · · · · · ·		17	18	19	20	21	22	23	24	25	26	27	28	29	30	
		<i>I.</i> -	-Gujar	út.														•	Acres.	
1	Ahmadabad	•••	•••	··· { Kharif Rabi	***	4,178	86,335	-23,587	6,617	60,283	152	1,098	8,486	******	*****	****** *******	6,293	\$10000 210100	110,689 36,335	
ĺ				Total	•••	4,173	36,335	23,587	6,617	60,283	152	1,098	8,486	•	***		6,293	•••	147,024	
2	Kaira	•••	•••	{Kharif Rabi	***	19,914 1,146	150 30,881	4,355	1,291	26,782	1,378 48	3,721 	*****	*****	\$1000E		8,763	******	66,354 81,575	
- [Total		21,060	30,531	4,355	1,291	26,782	1,426	3,721		 ,	***		8,763		97,929	M
.3	Panch Mahs	ls	***	Kharif Rati		5,078	64,967	3,861	8,426	3,767	221	812	99	1,630	*****	******	928	******	22,793 66,698	· · · · ·
:				Total		5,078	64,967	3,561	8,426	3,767	221	812	99	1,630	##* · ;		928	•••	89,489	¥
4	Broach	•••	***	Kharif Rabi		8,401 6,821	i,717	452	10	2,764	139 619	259 25	••.	2,216	*****	47,823	263	200	7,288 58,221	
-				Total		9,722	1,717	452	10	2,764	758	284	•••	2,216		47,323	263	•••	65,509	
5	Surat	411	•••	Kharff Rabi		19,959 1,186	1,782	• 2,982 172	3,711	279	745 86,200	822	******	4,351	 9	9,877	1,591		30,0 sp 47,528	
			•	Total		21,144	1,732	3,104	3,711	279	36,945	822	•••	4,351	و ا	3,877	1,593		77,567	
ł			÷				.•		;					<u> </u>						
- {	•	П.—	Deccan				•]		1	.					·	1		<u> </u>		
6	Khándesh		•••	···{Kharif kabi	***	79,140	55,623	13,443	55,335	15,897	447	1 ,913	72,005	28,082	642	131	4m205 '	111700	238,963 68,705	
1			٠	Total		79,140	55,623	13,443	55,335	15,807	447	1,913	72,005	3,082	642	131			297,568	·
7	Násik	•••	400	{ Kharif Rabi		21,250	 81,615	9,762	31,896	11,798	144	, 75	76, 196	3,648	10,170	4,585	8		151,114 100,018	
ł				Total		21,250	81,615	9,762	31,886	11,798	144	75	76,196	3,648	10,170	4,585	3		251,132	
8	Ahmadnagar	414	•••	{Kharif Rabi		60,003	125,489	28,491	8,240	45,800	1,281	336	55,091	1,074	605	141		•	199,242	
	• ,		•	%		60,003	125,489	28,491	8,240	45,800	1,281	336	55.001]		4184**	127,309	
		٠,) lotal	1				0,210	, ' {	1,201	000	55,091	1,074	605	141	•••	J	326,551	

									4	•	-									
s ⁱ	9	Poons	• †	***	Kharif Rabi	***	\$4, 576	80,089	9,179	7,653	31,163	984 3,147	211	38,125	.14 2,568	2,112	497aus 1198).The	******	121,886 87,916
B 1	-		ı	٠,		•••	84,576	* 80,089	9,179	7,653	31,163	4,111	211	38,125	2,582	2,113	***		•••	209,802
1316—	10	Sholápur	***	***	Kharif Rabi		62,287	76,893	9,081	1,203 15	32,094	66 108	36	12,360	46 43	112 43	453	######################################	21	117,759 77,107
10		• .			Total	•••	; 62,287	76,898	9,081	1,218	32,094	174	3 6	12,360	89	155	453		21	194,866
ďo.	11	Sátára	•••		{Kharif		65,070	86,322	15,159	43,939	70,370	4,142	230	48,067	2,237	764	*****	******	251	247,228 •89,323
	}				Total		65,070	86,322	15,159	43,939	70,370	4,142	230	48,067	2,237	764	040	··	251	336,551
			III.—	Karnát	ak.			•				`	-	,		4	,			
	12	Belgaum	٠,	ķ !	{ Kharif Rabi	***	61,150 437	•10 52, 138	9,721 62	7,025	6,516 4	1,626 5,911	1,122	51,494 8	 6,390	5 6,336	*****	******	* ******	139,66 7 71,286
					Total		61,587	52,148	9,783	7,025	6,520	7,537	1,122	51,502	- 6,390	6,339	4 ***		***	209,953
	13	Bijápur	***	***	··· (Rabi		64,575	68,008	21,745	\$11.000 / 8110110	6, 565	4,7 35	8,790	24,779	22 82	517862 650240	200.12 200.12		600.00 E	126,211 68,149
		•		•	Total		64,575	68,008	21,745	••• .	6,565	4,844	3,790	24,779	54	•••	* ′	•••	•••	194,360
	14	Dhárwár,	•••	***	••• {Kharif Rabi		50,401	92 52, 370	30,252 4,217	3,743 883	7,809 1	8,468 2,792	774 46	43,457 7,341	674	69	614 000 1	\$10.000 111.000	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	139,996 68,39 3
					Total	;••	50,401	52,462	.34,469	4, 626	7,810	• 6,260	820	50,798	674	69 ↓	•••]	•••	. ***	208,389
			IV.—Konkan.		,	•	•	'	,					••			-			
	15	Thána	***	***	··· { Kharif Rabi	-	6,112 87	1,354 1,421	894 68	19,128 58	995934 1279939	1,650 1,020	3,587	. 1,137	240 1	******	217	21414B	\$20,114 219350	34,119 2,645
					Total	••	6,199	2,775	452	19,186	•••	2,670	3, 887	1,137	241	•••	~ 21 7	•••	***	36,764
	16	Kolába	***	•••	···{Kharif Rabi	-	469 2,064	3,058	2,529	3,248 5,599	g-100	8,900	60	46 15	1	******	******* *******		, ,	3,756 22,248
					Total		2,546	3, 058	2,529	8,847	• •••	8,900	60	61	1	•4•	***	•••	•••	26,002
	17	Ratnágiri	***	***	· { Kharif Rabi		219 49	4 65	254 65	2,327 260	900.49B	977 4 20	- 96 3	8,279 24	gas bed Ber o rê		*****	201000 , 211000	431 41	12,617 926
					Total		297	69	319	2,587	***	1,397	99	8,303	***	***	•••	•••	4 72	13,543
	18	Kanara	***	***	{ Kharif Rahi	=	195	3/3 66	24 1,318	231 1,542	634 246 64624	86 19	1,039	1,144 569	371	3	1	211700		2,045 4,925
				Total	Total Kharif Rabi	•	195	428	1,342	1,773	991 507	105	1,043	1,713 440,606	371	758 20,110	802	17,841	703	6,973 1,770,649 1,019,303
					Frand Total	-	569,303	1,973 818,293 820,266	190,813	204,013 8,357	821,797 6	22,221 69,293 81,514	20,359	6,056 448,722	28,640	20,110	55,926	17,843	744	2,789,972
_								020,000	190,013	212,370	321,802	91,014	20,003	310,122			,,			

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ACCOMPANIMENT B TO RETURN No. III.

Number of Principal Fruit-bearing Trees, 1893-94.

No.	District.			Mango,	Tamarind.	Jack.	Cocoanut.	Toddy-palm.	Date-palm	
1	2			3	4	5	6	7	8 .	
`	A.—Bome Dency				.,				•	
	I.—G	ujarát					, `			
1 2 3 4 5	Ahmadabad Kaira Pauch Mahá Broach Surat	la	***	68,443 213,266 41,489 25,123 177,260	17,024 25,452 5,939 5,713 66,261	10 1 3,567	75 82 6,988	52 15 129,198 33,558 78,378	1,510 1,252 520,435	
	1	Total	.411	525,581	120,389	3,578	7,145	241,201	523,197	
	· II.—I	Dec c an			,					
6 7 8 9 10	Khándesh Násik Ahmadnagar Poona Sholápur Sátára	***	***	177,962 77,081 159,101 39 868	14,285 8,730 10,625 11,418 9,004 11,521		125 226 317 1,654 262 5,663	367 12 157 1	3,006 4,474 16,392 99,930 378	
		Total	•••	843,258	65,583	10,072	8,247	538	124,180	
	III.—K	arnáta	k.	•.						
12 13 14	Belgaum Bijapur Dharwar	•••	***	126,805 75,215 177,434	25,653 25,534 59,257	12,894 48 8,443	2,568 2,430 66,942	52 107 4	102,979 476,169 503,003	
]	Total	•••	379,454	110,444	21,385	71,940	163	1,082,151	
	IV.—K	onkan.							, , , , , , , , , , , , , , , , , , ,	
15 16 17 18	Thána Kolába Ratnágiri Kánara	***		192,206 91,700 · 88,351 149,367	16,787 • 4,796 • 4,199 • 14,113	3,081 5,112 46,695 107,191	33,033 90,225 537,106 993,188	79,508 18,959	13,101 30	
	, ,	Total		521,624	39,895	162,079	1,653,552	98,467	13,131	
•	${f T}$ of	tal A	•••	2,269,917	336,311	197,114	1,740,884		1,742,659	
ı	B.—S	IND.								
19 20 21 22 23	Karáchi Hyderabad Shikárpur Upper Sind F Thar and Pár	rontier kar	•••	43,016 87,424 51,826 3,137 4,758	89 31 4	 	 	*** *** *** ***	545 1,386 148,605 1,208 5	
	To	tal B		190,161	124	•••	887	• • • •	151,749	
	Grand	Total	L	2,460,078	336,435	197,114	1,741,771	340,369	1,894,408	