



INDIAN MINES ACT, 1923

ANNUAL REPORT

OF THE

CHIEF INSPECTOR OF MINES IN INDIA

FOR THE YEAR ENDING

31st DECEMBER 1927



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STATISTICS OF MINES

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Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of							Total Males and Females.
			Underground.						Females.	
			Males.							
Ore-men and Sicdars.	Coal-cutters.	Lascars.	Other skilled labour.	Other unskilled labour.	Total Males.					
Assam	Lakhimpur	371,230	86	233	379	375	660	1,695	84	1,779
	Naga Hills	51,207	20	72	79	114	71	356	..	356
	Total	322,517	116	355	358	489	731	2,051	84	2,135
Baluchistan	Quetta-Pishin	7,311	10	41	40	1	7	99	..	99
	Sibi-Khost	1,734	9	44	27	..	4	84	..	84
	Total	3,945	19	85	67	1	11	183	..	183
Bengal	Bankura, Raniganj	3,069	5	36	3	3	20	66	35	101
	Birbhum . . . . .	..	..	..	..	..	..	..	..	..
	Burdwan	5,548,931	824	11,240	1,803	2,007	3,740	20,573	3,307	23,880
	Total	4,554,990	829	11,276	1,804	2,070	3,760	20,639	3,302	23,941
Bihar and Orissa.	Hazaribagh—									
	Bokaro	1,790,594	20	347	21	77	98	568	137	700
	Giridih	654,263	191	3,124	1,001	211	715	6,243	1,363	7,604
	Jharia	53,984	13	133	30	35	44	254	117	371
	Karanpura	303,014	5	117	13	43	20	198	33	230
	Ranigarh	340	..	..	..	..	..	..	..	..
	Mandhum—									
	Jharia	10,520,553	1,376	16,430	2,018	3,019	5,138	29,776	15,323	45,106
	Raniganj	849,085	187	2,423	329	424	1,137	4,469	1,503	5,973
	Falamu, Dallonganj Hutar	709	1	7	4	..	..	..	13	13
Fambalpur, Hingir-Rampur	26,495	4	30	13	39	..	105	40	151	
Carried over	14,308,377	1,787	22,649	5,313	4,768	7,142	41,629	19,419	60,158	

DIX I.
AND MINERALS.

No. I.
year 1927 at mines under the Indian Mines Act.

persons employed daily in and about the mines.

Openers and Siders.	Open workings.							Total Underground and Open workings.	Surface.						Grand Total.	
	Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.		
	Coal-cutters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.				
A.L.																
10	57	60	123	271	520	195	715	2,484	65	203	480	744	131	875	2,900	
...	...	...	...	...	...	...	...	355	20	109	167	206	1	207	683	
10	57	60	123	271	520	195	715	2,850	68	318	658	2,040	132	1,173	4,023	
...	...	...	...	...	...	...	...	90	...	...	34	34	...	34	123	
...	...	...	...	...	...	...	...	64	...	34	...	34	...	34	118	
...	...	...	...	...	...	...	...	163	...	34	34	68	...	68	251	
1	3	...	...	4	8	6	14	115	...	13	5	28	16	44	159	
...	...	...	3	...	2	2	4	4	...	2	4	6	1	7	11	
8	163	14	38	221	444	419	863	29,708	1,403	3,278	5,568	10,250	4,053	14,413	44,116	
9	166	14	40	225	454	437	891	29,623	1,504	3,292	5,597	10,398	4,070	14,468	44,265	
68	3,501	1,416	202	2,455	7,642	4,206	11,848	12,845	125	447	1,343	1,915	305	2,291	14,839	
4	125	78	4	107	408	50	458	2,052	89	101	955	1,335	483	1,718	2,970	
...	8	...	...	3	11	6	17	286	38	47	107	192	78	270	628	
4	340	50	39	230	653	319	972	1,202	61	108	317	406	160	566	1,768	
...	5	8	...	23	38	...	36	86	2	1	2	5	...	5	41	
42	510	104	45	157	850	469	1,352	49,460	1,971	5,223	11,043	19,238	6,896	25,133	71,563	
11	71	16	23	27	187	97	284	6,246	316	800	1,191	1,916	973	2,689	8,935	
...	...	...	...	...	...	...	...	12	...	1	6	7	10	17	29	
...	...	...	...	...	...	...	...	151	...	63	...	63	11	73	234	
120	4,800	1,672	303	3,103	9,766	5,171	14,937	75,095	2,522	6,560	14,864	23,975	8,686	31,661	107,766	

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of								
			Underground.								
			Males.							Females.	Total Males and Females.
			Overman and Sidemen.	Coal-cutters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.			
Bihar and Orissa.	Brought forward	14,388,377	1,767	22,642	5,313	4,768	7,143	41,030	18,610	60,159	
	Sonthal Parganas--										
	Jainty	56,724	14	145	20	55	54	288	33	321	
	Raniganj.	67,981	18	293	7	46	63	367	61	428	
	Rajmahal.	...	...	...	...	...	...	...	..	...
	Total	14,493,062	1,797	23,030	5,340	4,869	7,266	42,264	18,613	60,907	
Central Provinces.	Betal	6	...	...	..	...	...	...	...	...
	Chanda, Ballaspur	168,617	30	729	360	110	237	1,476	123	1,609	
	Chhindwara, Pench Valley	504,913	60	1,185	190	234	332	1,863	901	2,763	
	Narsinghpur, Mohpani	..	...	...	...	...	...	...	...	...
	Yeotmal	2,322	6	15	20	40	60	151	18	169	
	Total	686,768	96	1,919	560	386	529	3,500	1,042	4,541	
Punjab.	Jhelum	39,645	28	225	41	44	196	334	...	334	
	Mianwali	15,465	4	30	22	4	13	73	...	73	
	Shahpur	7,671	...	22	...	...	...	32	...	32
		Total	62,781	32	287	63	48	190	439	...	439
	Grand Total (Coal) for 1927.	31,109,976	3,001	36,963	8,313	6,763	12,468	69,315	24,041	97,356	
	Ditto of preceding year.	30,093,024	3,093	37,916	8,991	8,943	13,631	70,374	26,493	99,370	
	Differences	+1,016,952	-92	-953	-678	-181	-43	-1,059	-452	-2,014	

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1927 at mines under the Indian Mines Act—contd.

persons employed daily in and about the mines.

Open workings.								Total Underground and Open workings.	Surface.					Grand Total.	
Males.						Females.	Total Males and Females.		Males.				Females.		Total Males and Females.
Overmen and Stokers.	Coal-cutters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.			
A.L.—contd.															
122	4,580	1,873	303	3,103	9,706	5,171	14,937	75,005	2,522	6,598	14,864	23,975	8,686	33,641	107,736
...	...	...	...	...	...	...	...	331	23	27	79	123	39	156	477
...	...	...	...	...	...	...	...	428	37	45	76	158	43	201	639
...
129	4,500	1,873	303	3,103	9,786	5,171	14,957	75,844	2,581	6,661	15,019	24,581	8,737	33,998	106,843
2	2	3	...	...	6	7	13	12	...	...	...	...	...	...	12
...	...	...	3	4	7	...	7	1,006	61	106	333	390	128	533	2,120
...	...	...	...	...	...	...	...	2,783	78	335	514	927	479	2,405	4,189
...
...	...	...	...	...	...	...	...	169	6	20	15	41	13	59	222
3	3	23	3	4	13	7	20	4,571	145	461	782	1,359	634	1,993	6,563
...	5	...	...	...	5	...	5	539	58	54	338	348	36	374	913
...	...	...	...	...	...	...	...	73	10	6	125	141	13	154	227
5	44	...	...	...	49	...	49	61	39	...	...	39	...	39	120
5	49	...	...	...	54	...	54	693	106	69	363	536	39	567	1,260
155	4,334	1,743	463	3,803	10,807	5,900	16,707	113,063	4,401	10,639	11,421	37,548	13,002	51,250	165,313
139	4,154	687	366	3,833	9,974	7,111	17,085	115,445	4,636	10,633	24,339	40,348	14,335	54,17	170,928
16	+680	+1,061	+1,02	-26	+1,333	-1,311	+53 3	-1,462	-235	-37	-2,436	-2,700	-1,233	-6,923	-5,416

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed							
			Underground.							
			Males.					Total Males.	Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.				
IRON										
Bihar and Orissa	Singhbhum	Tons. 1,007,037	...	...	...	...	...	...
Burma	Mandalay	...	...	...	...	...	...	...
	Northern Shan States.	61,062	5	36	...	66	107	107		
	Total	61,062	5	36	...	66	107	107		
Central Provinces.	Drug	182	...	...	...	...	...	...
	Grand Total (Iron ore) for 1927.	1,068,281	5	36	...	66	107	107		
	Grand Total of preceding year.	600,868	...	...	...	...	...	...
	Difference	+467,918	...	...	...	...	...	...
MANGANESE										
Bihar and Orissa	Singhbhum	9,970	...	...	...	...	...	...
Bombay	Belgaum	4,515	...	...	...	...	...	...
	North Kanara	4,005	...	...	...	...	...	...
	Panch Mahals	78,802	3	34	4	5	46	46		
	Total	87,322	3	34	4	5	46	46		

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1927 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.					Grand Total.	
Males.					Females.	Total Males and Females.		Males.				Females.		Total Males and Females.
Foremen and Males.	Miners.	Skilled labour.	Unskilled/ labour.	Total males.				Clerical and supers x v i. sing staff.	Skilled labour.	Unskilled labour.	Total males			
ORE.														
114	1,969	182	841	3,106	1,789	4,895	4,895	321	850	1,456	2,627	898	3,520	8,415
...	...	...	...	...	...	...	...	12	3	68	88	...	88	88
8	...	4	577	589	...	589	696	15	3	390	408	66	474	1,170
8	...	4	577	589	...	589	696	27	6	458	491	66	557	1,358
...	...	...	...	...	...	...	...	...	...	32	32	32	64	64
122	1,969	186	1,416	3,695	1,789	5,484	5,591	348	856	1,946	3,150	991	4,141	9,732
...
...
ORE														
20	172	22	6	220	181	401	401	11	1	7	19	11	30	491
15	269	28	5	317	198	510	510	1	...	...	1	...	1	511
6	100	10	7	123	15	138	138	18	2	193	208	41	249	387
25	1,703	67	...	1,865	1,412	3,277	3,323	34	64	439	537	191	728	4,051
116	2,072	103	12	2,305	1,620	3,925	3,971	48	66	632	746	232	978	4,949

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

Year 1927 at mines under the Indian Mines Act—contd.

Employed daily in and about the mines.

Foreign and Males.	Open workings.				Females.	Total Males and Females.	Total Underground and Open workings.	Surface.					Total Males and Females.	Grand Total.
	Males.							Males.						
	Miners.	Skilled labour.	Unskilled labour.	Total Males.				Clerical and super- vising staff.	Skilled labour.	Unskilled labour.	Total Males.	Females.		
...
...
...
...
...
...	7	...	2	5	7	3	10	17
...	237	14	28	90	193	42	174	411
...	244	16	30	95	189	45	194	438
...
...

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						Total Males and Females.
			Underground.						
			Males.					Females.	
			Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total Males.		
Burma		Tons						TIN	
	Mergui	1,168	1	11	4	...	16	...	16
	Tavoy	1,469	10	888	80	...	928	...	928
	Thabon	4
	Grand Total (Tin Ore) for 1927.	2,656	11	894	84	...	939	...	939
	Grand Total of preceding year.	2,568
Difference	+88	...	...	...	...	...	...	...
Burma		Tons						WOLFRAM	
	Mergui	8						Labour figures included	
	Tavoy	522							
	Grand Total (Wolfram Ore) for 1927.	530	...	...	...	...	...	...
	Grand Total of preceding year.	751	...	...	...	...	...	...
	Difference	-221	...	...	...	...	...	...
Baluchistan		Tons.						CHROMITE	
	Quetta Pishin . . . . .	...	...	...	...	...	...	...
	Zhob	14,534	2	27	29	...	29
Total	14,534	2	27	...	...	29	...	29

DIX I—contd.

No. 3—contd.

output of Coal and Coke, 1927.

		Coke									
Coal despatched to coke factories.	Closing stock.	Opening stock.		Coke made.		Despatches.		Colliery consumption.		Closing stock.	
		Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
67,421	77,320	49	259	954	5,221	943	5,449	60	1	...	30
1,227,565	1,169,785	4,147	9,527	39,563	499,162	33,764	497,392	451	1,256	4,495	10,041
...	74,998	1	9,289	...	92,633	1	93,709	...	763	...	1,450
...
...	240	...	...	...	...	...	...	...	...	...	...
...	2,301	...	...	...	...	...	...	...	...	...	...
...	1,684	...	...	...	...	...	...	...	...	...	...
...	32,450	...	87	...	...	...	27	...	...	...	60
...
1,294,966	1,376,723	4,197	13,162	40,517	597,016	39,708	596,377	511	2,020	4,495	11,531
...	6	...	...	...	...	...	...	...	...	...	...
...	9,173	...	...	...	...	...	...	...	...	...	...
...	9,408	...	...	...	...	...	...	...	...	...	...
...
...
...	18,537	...	...	...	...	...	...	...	...	...	...
...	1,087	...	...	...	...	...	...	...	...	...	...
...	701	...	...	...	...	...	...	...	...	...	...
...
...	1,783	...	...	...	...	...	...	...	...	...	...
...
1,294,966	1,778,930	4,245	12,760	42,445	608,612	41,638	606,150	548	2,159	4,504	12,063

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1927 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings,							Total Underground and Open workings.	Surface.						Grand Total.	
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.		
Foremen and Males.	Miners.	Skilled labour.	Unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.				
TITE.	3	4	5	10	22	10	32	120	4	4	3	11	...	11	131
	3	...	...	29	32	30	62	62	2	...	6	8	...	8	70
	6	4	5	39	54	40	94	132	6	4	9	19	...	19	201
	...	...	...	40	40	40	80	80	...	...	...	...	...	...	80
	4	34	...	40	73	33	161	163	1	2	8	21	...	11	194
	4	34	...	80	118	123	241	263	1	2	8	11	...	11	274
	...	...	8	12	20	9	29	29	2	...	6	8	6	14	48
	...	...	6	10	16	...	16	19	...	...	...	...	...	...	19
	...	11	...	...	11	8	19	19	...	...	...	...	...	...	19
	...	11	6	10	27	8	35	38	...	...	...	...	...	...	38
	10	49	19	141	219	130	399	512	9	6	28	33	6	44	556

TE.	16	74	65	58	213	22	235	235	4	3	5	12	...	19	247
	...	4	...	...	4	...	4	4	1	...	1	2	...	2	6
	16	78	65	58	217	22	239	239	5	3	6	14	...	16	253

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total Mates.		
Punjab .	Gurgaon	Tons. 787	...	6	1	6	13	...	SLA 13
	Kangra	4,195	...	...	...	...	...	...	...
	Total	4,982	...	6	1	6	13	...	13
	Grand Total (State) for 1927.	6,911	...	6	1	6	13	...	13
	Grand Total of preceding year.	6,357	...	...	...	...	...	...	...
	Differences	+554	...	...	...	...	...	...	...
Bihar and Orissa.	Shahabad	Tons. 291,048	...	...	...	...	...	...	LIME
	Singhbhum . . . . .	...	...	...	...	...	...	...	...
	Total	291,048	...	...	...	...	...	...	...
Burma .	Amherst	4,555	...	...	...	...	...	...	...
	Northern Shan States.	48,148	...	...	...	...	...	...	...
	Total	47,703	...	...	...	...	...	...	...
Central Provinces.	Bilaspur	39,987
	Jubbulpore	356,696
	Raipur	4,325
	Yeotmal	6,186
	Total	407,144

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DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*year 1927 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.
Males.				Females.	Total Males and Females.	Males.				Females.	Total Males and Females.			
Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.			Total Males.		Clerical and super- vising staff.	Skilled labour.			Unskilled labour.	Total Males.	
FE— <i>contd.</i>														
7	35	34	20	86	...	86	99	1	14	6	21	..	21	120
54	89	82	44	269	...	269	269	...	...	...	...	...	...	269
61	114	116	84	355	...	355	368	1	14	6	21	...	21	389
77	192	191	122	572	22	594	607	6	17	12	35	...	35	642
...
...
STONE.														
110	436	72	421	1,039	273	1,312	1,312	56	171	300	527	69	615	1,927
...	...	...	...	...	...	...	...	1	3	5	9	7	16	16
110	436	72	421	1,039	273	1,312	1,312	57	174	305	536	95	631	1,943
..	...	25	15	40	...	40	40	1	4	10	15	...	15	55
3	...	4	208	210	...	210	210	...	...	...	...	...	...	210
3	...	29	218	250	...	250	250	1	4	10	15	...	15	265
10	237	...	...	247	131	378	378	6	9	42	67	100	157	535
105	758	82	469	1,414	1,835	3,299	3,299	30	90	199	319	276	595	3,894
...	...	...	132	132	85	217	217	7	10	32	49	27	76	293
3	...	...	29	32	5	37	37	...	1	29	40	30	70	107
118	995	82	630	1,625	2,106	3,931	3,931	43	110	312	465	433	898	4,829

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1927 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.	
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.		
Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.				
STONE—contd.															
29	247	...	...	276	...	276	276	5	4	233	242	...	242	518
4	152	...	360	516	50	566	566	4	...	190	124	...	194	690	
5	230	...	325	560	...	560	560	3	...	325	328	...	328	838	
38	629	...	665	1,353	50	1,402	1,402	12	4	678	694	...	694	2,096	
269	2,060	183	1,954	4,466	2,429	6,895	6,895	113	292	1,305	1,710	528	2,238	9,128	
...	
...	
ROCK.															
2	283	...	17	303	34	336	336	18	45	649	707	178	830	1,216	
1	13	...	...	14	27	41	41	...	...	...	...	...	...	41
8	141	333	542	1,024	197	1,161	1,161	43	369	769	1,181	427	1,608	2,769	
9	154	333	542	1,038	164	1,202	1,202	43	369	769	1,181	427	1,608	2,810	
...	...	3	...	3	...	3	3	1	3	4	11	3	14	17	
6	...	...	404	410	248	658	658	16	72	157	245	...	245	908
6	...	3	494	413	248	661	661	17	80	159	258	3	259	920	

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total Males.		
Burma	Bassein	Tons. 8,000	IGNEOUS	
	Thaton	388,232	...	...	...	...	...
	Toungoo	25,885	...	...	...	...	...
	Total	417,167	...	...	...	...	...
	Grand Total (Igneous rock) for 1927.	334,737		
	Grand Total of preceding year.	416,578	...	...	...	...	...
	Difference	+520,164	...	...	...	...	...
Bihar and Orissa.	Gaya	89,849	STONE	
	Manbhum	7,850	...	...	...	...	...
	Monghyr	2,800	...	...	...	...	...
	Shahabad	7,840	...	...	...	...	...
	Singhbhum	89,065	...	...	...	...	...
Total	155,904	...	...	...	...	...
Punjab.	Rawalpindi	61,171		

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1927 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.	
Foremen and Males.	Miners.	Skilled labour.	Unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.			
ROCK—contd.														
3	80	40	—	78	...	78	73	...	...	...	...	...	78	
7	968	199	395	1,569	80	1,649	1,649	41	86	71	198	...	123	1,847
...	20	...	95	115	6	121	121	1	...	15	16	10	26	147
10	1,018	239	490	1,757	86	1,843	1,843	43	86	86	214	10	224	2,067
27	1,455	575	1,453	3,510	332	4,042	4,042	115	590	1,663	2,358	613	2,971	7,012
...
...
(UNSPECIFIED).														
32	538	...	...	590	262	852	852	4	...	...	4	...	4	856
1	50	...	...	51	25	76	76	...	20	...	20	...	20	96
...	44	...	...	44	...	44	44	...	...	...	...	...	...	44
4	100	...	...	104	45	149	149	...	...	...	...	...	...	149
7	102	...	...	109	94	203	203	3	...	103	106	8	114	317
44	854	...	...	893	426	1,324	1,324	7	20	103	130	8	138	1,462
4	46	...	...	52	...	52	52	3	173	6	182	...	182	234

APPE
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total Males.		
			STONE (UNSPECI)						
United Provinces.		Tons.							
	Allahabad . . .	39,013	...	...	...	...	...	...	...
	Jhansi . . .	24,520	...	...	...	...	...	...	...
	Saharanpur . . .	50,000	...	...	...	...	...	...	...
	Total . . .	118,533	...	...	...	...	...	...	...
Burma . . .									
	Toungoo . . .	2,349	...	...	...	...	...	...	...
	Thaton . . .	54,295	...	...	...	...	...	...	...
	Grand Total (Late-rite), 1927.	56,644	...	...	...	...	...	...	...
	Grand Total of preceding year.	45,289	...	...	...	...	...	...	...
Bihar and Orissa.	Sonthal Parganas . . .	102	...	...	...	...	...	...	...
			SILICA						Labour figures included

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total Males.		
Bihar and Orissa.	Shahabad . . .	Tons. 11,528	SAND
United Provinces.	Allahabad . . .	26,507	...	...	...	...	...	...
	Banda . . .	2,296	...	...	...	...	...	...
	Total . . .	26,803	...	...	...	...	...	...
	Grand Total (Sandstone), 1927.	40,331	
	Grand Total of preceding year.	18,502	...	...	...	...	...	...
	Difference . . .	+21,829	...	...	...	...	...	...
Bihar and Orissa.	Singhbhum . . .	5,148	Labour figures	included	GRA
Bombay . . .	Katra . . .	5,955	...	...	...	...	...	...
	Grand Total (Gravel) 1927.	11,103	
	Grand Total of preceding year.	748,895	...	...	...	...	...	...
	Difference . . .	-737,792	...	...	...	...	...	...

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						Total Males and Females.
			Underground.						
			Males.					Females.	
			Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total Males.		
		Tons.						MU	
Bihar and Orissa.	Singhbhum . . .	56			Labour figures included with those for				
United Provinces.	Allahabad . . .	7,221			Labour figures included with those for				
	Jhansi . . .	800			Ditto.				
	Total . . .	8,021	...	...	...	...	...	...
Bombay	Bombay Suburban	1,070,014			Labour figures included with those for				
	Khaira . . .	4,969			Labour figures included with those for				
	Total . . .	1,074,983	...	...	...	...	...	...
	Grand Total (Muram), 1927.	1,083,060	...	...	...	...	...	...
								FIRE	
Bengal . . .	Burdwan . . .	8,278	...	...	...	...	...	...
Bihar and Orissa.	Bhagalpore . . .	189	...	6	6	5	11
	Manbhum . . .	12,570
	Palaman . . .	4,893
	Total . . .	17,652	...	6	6	5	11

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1927 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.
Foremen and Mates.	Males.				Females.	Total Males and Females.		Clerical and supervising staff.	Males.			Females.	Total Males and Females.	
	Miners.	Skilled labour.	Unskilled labour.	Total Males.					Skilled labour.	Unskilled labour.	Total Males.			
RUM.														
stone (unspecified).														
stone (unspecified.)														
Ditto.														
...
Igneous Rock.														
Gravel.														
...
...
CLAY.														
...	...	16	...	16	25	41	41	...	20	...	20	...	20	61
...	...	...	3	3	...	3	14	...	...	...	...	...	...	14
3	101	...	19	122	84	206	206	1	1	50	52	36	88	294
1	12	3	...	16	11	27	27	2	12	20	31	11	45	73
8	118	3	22	141	95	236	247	3	13	70	66	47	133	380

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and mineral field.	Total output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total Males.		
Bihar and Orissa.	Singhbhum . . .	Tons. 760	...	...	...	...	...	...	KYA
	Total of preceding year.	1,246	...	...	...	...	...	...	...
	Difference . . .	-486	...	...	...	...	...	...	...
Central Provinces.	Bhandara . . .	13	...	...	...	...	...	...	CORUN
	Salem . . .	52	...	...	...	...	...	...	...
Madras . . .	Grand Total (Corundum), 1937.	65	..	..	..	..	..	..	..
	Grand Total of preceding year.	28	...	...	..	...	...	...	...
	Difference . . .	+37	...	...	..	...	...	...	...
	Jhelum . . .	1,859	...	...	..	..	..	..	GYP
Punjab . . .	Total of preceding year.	..	..	..	..	..	..	..	..
	Difference . . .	+1,859	...	...	..	...	...	...	...

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1927 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Foremen and Mates.	Open workings.						Total Underground and Open workings.	Surface.						Grand Total.
	Males.					Females.		Males.					Females.	
	Miners.	Skilled labour.	Unskilled labour.	Total Males.	Total Males and Females.			Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.	Total Males and Females.		
NITE.														
1	21	...	...	22	...	22	22	...	...	10	10	11	21	43
...
...
DUM.														
2	4	...	...	6	10	16	16	...	...	7	7	...	7	23
3	30	2	10	45	15	60	60	1	...	4	5	65	70	180
5	34	2	10	51	25	76	76	1	...	11	12	65	77	153
...
...
SUM.														
those for salt.														
...
...

STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and mineral field.	Total output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and mates.	Minors.	Skilled labour.	Unskilled labour.	Total Males.		
Burma	Tavoy	lbs.						BIS	
		48	...	...	Labour figures included with those				
	Total of preceding year.	...	...	...	...	...	...	...
	Difference	+ 48	...	...	...	...	...	...
	Grand Total Metal-liferous Mines for 1927.	...	885	11,505	1,312	3,749	17,451	3,809	21,260
	Grand Total of preceding year.	...	689	9,992	1,100	3,688	15,469	3,398	18,862
	Difference	...	+196	+1,513	+212	+61	+1,982	+416	+2,398
	Grand Total (all Minerals), 1927.	...	...	...	...	...	86,766	81,850	118,616
	Grand Total of preceding year.	...	...	...	...	...	86,348	81,689	118,232
	Difference	...	...	...	...	...	+423	-39	+384

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1927 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings.					Females.	Total Males and Females.	Total Underground and Open workings.	Surface.					Grand Total.	
Males.								Males.						
Foremen and Mates.	Miners.	Skilled labour.	Unskilled labour.	Total males.				Colonial and supervising staff.	Skilled labour.	Unskilled labour.	Total males.	Females.		Total Males and Females.
MUTH.														
for tin	ore.													
...	
...	
1,720	25,812	2,566	9,123	39,221	21,697	61,118	82,378	1,867	3,834	10,554	16,255	5,444	21,699	104,077
1,515	26,191	1,775	4,852	34,332	20,722	55,054	73,916	1,335	2,419	7,865	11,619	3,950	15,569	89,485
+205	-379	+792	+4,271	+4,869	-1,175	+6,064	+8,462	+532	+1,415	+3,689	+4,635	+1,494	+6,130	+14,592
...	...	...	...	50,028	37,697	77,725	196,341	...	...	...	53,903	19,046	72,949	269,290
...	...	...	...	48,306	27,833	71,139	169,871	...	...	...	51,967	18,775	70,742	280,113
...	...	...	...	+6,722	-130	+6,593	+6,070	...	...	...	+1,036	+271	+2,207	+9,177

Table

Average hours worked per week in

Mining Field.	Underground.					
	Overmen and Sirdars. Foremen and Mates.	Miners.	Loaders	Skilled Labour	Un- skilled Labour.	Females.
Jharia Coalfield (B. & O.)	46	42	42	46	45	42
Raniganj „ (Bengal)	48	42	43	46	46	43
Giridih „ (B. & O.)	46	42	42	45	43	41
Assam „	54	50	54	54	54	54
Punjab „	45	38	37	43	42	..
Baluchistan Coalfield	35	35	35	36	31	..
Pench Valley Coalfield (C. P.)	50	44	49	49	48	49
B. & O. Mica	46	44	...	46	46	44
Madras Mica	47	45	...	45	46	45
C. P. Manganese	49	45	...	49	48	45
Madras Manganese	...	...	...	...	...	...
C. P. Limestone	...	...	...	...	...	...
B. & O. Iron	...	...	...	...	...	...
Burma Lead	51	54	...	53	50	...
Burma Tin	45	42	...	46	...	...
Punjab Salt	41	46	...	48	48	33
B. & O. China Clay	48	48	...	...	48	48
Punjab Slate	...	54	...	54	54	...
U. P. Stone	...	...	...	...	...	...

DIX I—contd.

No. 2.

each important mining field during the year 1927.

Open workings.						Surface			
Overmen and Sirdars. — Foremen and Mates.	Miners.	Loaders.	Skilled Labour.	Unskilled Labour.	Females	Clerical and Supervising Staff.	Skilled Labour.	Unskilled Labour.	Females.
45	42	44	45	44	40	52	52	40	49
46	38	46	39	38	39	52	51	45	49
48	44	44	48	45	40	48	48	45	48
54	54	54	54	54	54	56	56	57	57
...	...	...	...	...	..	52	46	45	55
...	...	...	...	...	...	...	56	42	...
...	...	...	...	...	...	52	51	51	50
40	41	...	45	45	40	48	46	48	48
46	46	...	46	45	46	46	45	47	45
45	43	...	46	45	43	44	42	44	42
49	49	...	46	49	50	51	50	49	50
50	49	...	53	47	47	48	49	49	47
45	45	...	47	48	42	47	47	45	44
50	...	...	56	50	...	55	54	54	56
49	49	...	46	46	42	49	52	51	51
48	48	...	...	...	...	46	50	49	...
42	44	...	...	42	42	46	45	45	46
48	48	...	44	50	...	38	44	54	...
50	49	...	...	56	52	52	...	56	47

Table

Analysis of figures relating to

Province.	District and mineral field.	Coal.						
		Opening stock.	Raisings.	Total.	Despatches.	Colliery consumption.	Coal delivered to cooking.	
		Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	
Assam	Lakhimpur . . .	...	271,220	271,220	251,325	16,365	3,030
	Naga Hills . . .	43	51,297	51,340	50,380	835	...	
	Total . . .	43	322,517	322,560	302,205	17,200	3,030	
Baluchistan	Quetta-Pishin . . .	1,168	7,211	8,373	6,506	82	...	
	Sibi-Khost . . .	895	1,734	2,629	1,697	372	...	
	Total . . .	2,057	8,945	11,002	8,503	354	...	
Bengal	Bankura . . .	704	8,059	8,763	6,488	1,647	...	
	Birbhum . . .	5,547	...	5,547	411	708	...	
	Burdwan . . .	445,827	5,546,931	5,992,758	5,098,815	501,179	19,863	
	Total . . .	452,078	5,554,990	6,007,068	5,105,514	508,534	19,863	
Bihar and Orissa.	Hazaribagh {	Dokaro . . .	6,928	1,790,594	1,797,522	1,759,526	42,000	7,481
		Giridih . . .	12,930	855,253	867,883	801,091	51,399	...
		Jharis . . .	46,682	58,934	100,616	35,868	11,625	2,563
		Karanpura . . .	5,822	262,014	267,836	250,707	14,880	...
		Ramgarh . . .	185	340	475	372
	Carried over . . .	72,197	2,962,135	3,034,332	2,827,564	119,404	10,044	

DIX I—contd.

No. 3.

output of Coal and Coke, 1927.

Coal despatched to coke factories.	Closing stock.	Coke.									
		Opening stock.		Coke made.		Despatches.		Colliery consumption.		Closing stock.	
		Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
...	...	...	...	1,010	...	974	...	86	...	...	...
...	125	...	...	...	...	...	...	...	...	...	...
...	125	...	...	1,010	...	974	...	86	...	...	...
...	1,485	...	...	...	...	...	...	...	...	...	...
...	60	...	...	...	...	...	...	...	...	...	...
...	1,545	...	...	...	...	...	...	...	...	...	...
...	628	...	...	...	...	...	...	...	...	...	...
...	4,428	...	...	...	...	...	...	...	...	...	...
...	878,101	48	598	918	11,596	956	11,578	1	139	9	482
—	878,157	48	598	918	11,596	956	11,578	1	139	9	482
...	8,515	...	140	941	3,571	930	3,711	11	...	...	...
67,421	15,398	...	...	...	...	...	...	...	...	...	...
...	50,560	49	119	18	1,650	18	1,738	49	1	...	30
...	2,749	...	...	...	...	...	...	...	...	...	...
...	108	...	...	...	—	...	...	...	...	...	...
67,421	77,320	49	250	954	5,221	948	5,449	60	1	...	30

Table

Analysis of figures relating to

Province.	District and mineral field.	Coal.					
		Opening stock.	Raisings.	Total.	Despatches.	Colliery consumption.	Coal delivered to coking.
		Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Bihar and Orissa.	Brought forward .	72,197	2,962,135	3,034,332	2,327,564	119,404	10,044
	Manbhurn { Jharis	1,461,217	10,529,553	11,990,770	9,352,950	657,536	790,549
	{ Raniganj	98,624	849,085	947,709	681,835	67,702	133,034
	Palamanu-Daltonganj	...	...	...	...	...	...
	" Hutar .	85	709	794	226	823	...
	Sambalpur-Hingir Rampur.	2,441	26,895	29,336	19,349	7,686	...
	Sonthal Parganas { Jainty .	3,408	56,724	60,132	45,047	18,401	...
	{ Raniganj.	35,068	67,961	103,029	57,091	13,468	...
	{ Rajmahal.	...	...	...	...	...	...
	Total .	1,673,040	14,493,062	16,166,102	12,964,112	679,635	923,627
Central Provinces.	Betul	189	6	195	89	100	...
	Chanda, Ballarpur .	12,996	158,617	171,613	139,120	28,320	...
	Chhindwara, Pench Valley.	17,462	505,913	523,375	476,599	37,368	...
	Narsingpur Mohpani.	...	...	...	...	...	...
	Yeotmal . . . . .	...	2,222	2,222	...	2,222	...
Total .	30,647	666,758	697,405	615,608	68,010	...	
Punjab .	Jhalum	2,305	89,545	41,850	88,677	2,066	...
	Mianwali	1,636	15,488	17,124	16,379	44	...
	Shahpur . . . . .	...	7,671	7,671	7,891	280	...
	Total .	3,941	63,704	66,645	62,447	2,410	...
Grand Total, 1927 .	2,161,506	21,108,976	23,270,752	19,078,539	1,466,743	946,530	

DIX I—*contd.*No. 3—*contd.*

output of Coal and Coke, 1927.

		Coke									
Coal despatched to cokes factories.	Closing stock.	Opening stock.		Coke made.		Despatches.		Colliery consumption.		Closing stock.	
		Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
67,421	77,320	49	259	954	5,221	943	5,449	60	1	...	30
1,227,565	1,189,785	4,147	9,527	39,563	499,162	38,764	497,392	451	1,256	4,495	10,041
...	74,998	1	3,269	...	92,633	1	93,709	...	763	...	1,450
...
...	240	...	...	...	...	...	...	...	...	...	...
...	2,301	...	...	...	...	...	...	...	...	...	...
...	1,684	...	...	...	...	...	...	...	...	...	...
...	32,450	...	87	...	...	...	27	...	...	...	60
...
1,294,966	1,378,723	4,197	13,162	40,517	597,016	39,708	596,577	511	2,020	4,495	11,581
...	6	...	...	...	...	...	...	...	...	...	...
...	9,173	...	...	...	...	...	...	...	...	...	...
...	9,408	...	...	...	...	...	...	...	...	...	...
...
...
...	18,537	...	...	...	...	...	...	...	...	...	...
...	1,087	...	...	...	...	...	...	...	...	...	...
...	701	...	...	...	...	...	...	...	...	...	...
...
...	1,788	...	...	...	...	...	...	...	...	...	...
...
1,294,966	1,778,930	4,245	13,700	42,445	608,612	41,638	606,150	546	2,159	4,504	12,063

APPENDIX I—contd.

Table No. 4.

Numbers of mines opened, closed and inspected, during the year 1927.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
Assam	Lakhimpur	7	5	2	...	...	9	19
	Naga Hills	1	...	1	...	...	1	2
	Total	8	5	3	...	...	10	21
Baluchistan	Quetta-Pishin	9	...	9	...	1	4	4
	Sibi, Khost	4	...	4	2	2	3	3
	Total	13	...	13	2	3	7	7
Bengal	Bankura, Raniganj	4	...	4	...	2	5	13
	Birbhum	2	...	2	1	1	...	...
	Burdwan,	185	169	16	10	19	202	714
	Total	191	169	22	11	22	207	727
Bihar and Orissa.	Hazaribagh—							
	Bokaro	5	5	...	...	...	5	26
	Giridih	10	5	5	...	...	9	27
	Jharia	8	4	4	...	2	6	7
	Karanpura	3	2	1	...	...	3	10
	Ramgarh	1	...	1	...	1	...	...
	Manbhum—Jharia	269	187	102	3	23	222	634
	Raniganj	62	23	39	6	24	68	205
	Palaman, Hutar	1	...	1	...	...	1	1
Sambalpur, Hingir-Rampur	1	1	...	...	...	1	2	
	Carried over	380	227	153	14	65	315	912

APPENDIX I—contd.

Table No. 4—contd.

Numbers of mines opened, closed and inspected, during the year 1927—contd.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
			COAL—contd.					
	Brought forward	360	227	153	14	65	315	912
Bihar and Orissa—contd.	Sonthal Parganas—							
	Jainty	4	1	3	...	...	5	7
	Raniganj	5	4	1	...	...	5	8
	Total	369	232	157	14	65	325	927
Central Provinces.	Betul	2	...	2	1	2	...	...
	Chanda, Ballarpur	7	6	1	1	...	5	7
	Chhindwara, Pench Valley	19	12	7	2	3	20	93
	Yeotmal	1	1	...	...	1	...	...
	Total	29	19	10	4	6	25	100
Punjab.	Jhelum	12	...	12	1	3	5	5
	Mianwali	1	...	1	...	...	2	2
	Shahpur	1	...	1	...	...	2	2
	Total	14	...	14	1	3	9	9
	Grand Total (Coal) for 1927	644	425	219	32	99	588	1,791
	Grand Total of preceding year.	722	458	269	48	192	680	1,702
	Difference	-78	-23	-50	-16	-93	-77	+89

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
IRON ORE.								
Bihar and Orissa	Singhbhum	7	3	4	1	1	4	5
Burma .	Mandalay	1	...	1	...	...	...	...
	Northern Shan States	5	...	5	...	...	1	1
	Total	6	...	6	...	...	1	1
Central Provinces.	Drug	1	...	1	...	...	1	1
	Grand Total (Iron ore)	14	3	11	1	1	6	7
	Grand Total of preceding year.	15	3	12	3	1	6	9
	Difference	-1	...	-1	-2	...	...	-2
MANGANESE ORE.								
Bihar and Orissa.	Singhbhum	9	...	9	6	...	4	4
Bombay .	Belgaum	4	...	4	2	...	4	5
	North Kanara	2	...	2	1	...	1	1
	Panch Mahals	2	...	2	...	...	...	...
	Total	8	...	8	3	...	5	6

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
MANGANESE ORE—<i>contd.</i>								
Central Provinces.	Balaghat	97	2	95	11	23	80	187
	Bhandara	24	...	24	4	9	19	34
	Chhindwara	8	1	7	5	3	1	2
	Jubbulpore	3	...	3	2	3	...	...
	Nagpur	58	6	52	11	15	34	89
	Total	190	9	181	33	58	134	202
Madras	Bellary	5	...	5	1	2	4	4
	Kurnool	1	...	1	1	...	...	...
	Vizagapatam	7	1	6	1	...	3	3
		Total	13	1	12	3	7	7
	Grand Total (Manganese Ore)	220	10	210	45	55	150	219
	Grand Total of preceding year.	221	10	211	27	49	58	72
	Difference	-1	...	-1	+18	+6	+92	+147
LEAD ORE.								
Uttar Pradesh	Northern Shan States	1	1	...	...	...	1	7
	Southern Shan States	3	2	1	...	...	...	...
	Grand Total (Lead Ore)	4	3	1	...	...	1	7
	Grand Total of preceding year.	7	4	3	1	3	3	5
	Difference	-3	-1	-2	-1	-3	-2	+2

APPENDIX I—contd.

Table No. 4—contd.

Numbers of mines opened, closed and inspected, during the year 1927—contd.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
ANTIMONIAL LEAD.								
Burma	Northern Shan States	...	..	..	...	..	...	..
	Total of preceding year	...	...	...	...	...	...	...
	Difference	...	..	..	...	...	..	..
SILVER.								
Burma	Northern Shan States	...	...	..	..	..	...	..
Madras	Anantapur	...	...	..	..	..	...	..
	Grand Total (Silver)	...	2	..	..	..	...	..
	Grand Total of preceding year.	...	..	..	..	..	...	..
	Difference	..	...	..	..	..	...	..
GOLD.								
Bihar and Orissa	Singbhum	1	...	1	..	..	...	..
Madras	Anantapur	1	1	..	..	1	2	2
	Grand Total (Gold)	2	1	1	..	1	2	2
	Grand Total of preceding year.	2	1	1	..	..	1	1
	Difference	...	..	..	..	+1	+1	+1

APPENDIX I—contd.

Table No. 4—contd.

Numbers of mines opened, closed and inspected, during the year 1927—contd.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
TIN AND WOLFRAM ORE.								
Burma	Mergui	116	5	111	37	25	11	11
	Tavoy	82	2	80	7	21	18	17
	Thaton	2	...	2	...	...	...	...
	Grand Total (Tin and Wolfram Ore)	200	7	193	44	46	27	28
	Grand Total of preceding year	210	7	203	49	55	37	105
	Difference	-10	...	-10	-5	-9	-60	-77
CHROMITE ORE.								
Baluchistan	Quetta-Fishin	2	...	2	...	...	...	...
	Zhob	32	...	32	...	...	5	6
	Total	34	...	34	...	...	5	6
Bihar and Orissa	Singhbhum	3	...	3	2	...	3	3
	Grand Total (Chromite Ore)	37	...	37	2	...	8	9
	Grand Total of preceding year	36	...	36	1	1	10	10
	Difference	+1	...	+1	+1	-1	-2	-1

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
			COPPER ORE.					
Burma . . .	Hensada	1	..	1	..	..	..	..
Bihar and Orissa.	Singbhum	1	1	..	..	..	1	2
Madras . . .	Nellore	1	..	1	..	..	..	..
Grand Total (Copper Ore)		3	1	2	..	..	1	2
Grand Total of preceding year.		3	1	2	2	..	1	1
Difference		..	..	..	-2	..	..	+1
			COPPER MATTE.					
Burma . . .	Northern Shan States . . .	..	..	..	..	..	..	..
Total of preceding year		..	..	..	..	..	..	..
Difference		..	..	..	..	..	..	..
			ZINC CONCENTRATES.					
Burma . . .	Northern Shan States . . .	..	..	..	..	..	..	..
Total of preceding year		..	..	..	..	..	..	..
Difference		..	..	..	..	..	..	..
			GEMS.					
Burma . . .	Katha	2	2	..	1	..	..	..
Total of preceding year		2	2	..	..	1	..	..
Difference		..	..	..	+1	-1	..	..

APPENDIX I—contd.

Table No. 4—contd.

Numbers of mines opened, closed and inspected, during the year 1927—contd.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
Bihar and Orissa.	Gaya	22	...	22	11	5	6	8
	Hazaribagh	422	33	359	124	106	120	128
	Monghyr	21	...	21	13	16	...	...
	Sambalpur	2	...	2	1	...	...	...
	Total	467	33	494	149	127	126	136
			MICA.					
Madras	Madura	1	...	1	...	1	...	...
	Nellore	124	24	100	44	35	57	57
	Nilgiris	4	1	3	2	2	2	2
	Total	129	25	104	46	38	59	59
Rajputana	Ajmer-Merwara	34	...	34	17	16	6	6
	Grand Total (Mica)	630	53	573	212	191	193	201
	Grand Total of preceding year	601	64	537	202	190	197	207
	Difference	+29	-6	+36	+10	-9	-4	-6
			SALT.					
Punjab	Jhelum	1	1	...	...	...	1	1
	Mianwali	1	..	1	...	...	1	1
	Shahpur	1	...	1	...	...	1	1
	Total	3	1	2	...	...	3	3
	Total of preceding year	3	2	1	...	...	3	3
Difference . . . . .	...	-1	+1	...	...	...	...

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

PROVINCE.	District and municipal field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
MAGNESITE.								
Madras . . .	Salem	3	..	3	..	..	2	2
	Total of preceding year	3	..	3	1	..	2	2
	Difference . . . . .	..	..	..	-1	..	..	..
BAUXITE.								
Bombay . . .	Kaira	1	..	1	1	..	..	..
Central Provinces.	Jubbulpore	2	..	2	1	..	..	..
	Grand Total (Bauxite)	3	..	3	2	..	..	..
	Grand Total of preceding year	3	..	3	1	1	3	4
	Difference . . . . .	..	..	..	+1	-1	-3	-4
STEATITE.								
Bihar and Orissa.	Singbhum	4	..	4	..	..	..	..
	Sonthal Parganas	2	..	2	2	..	..	..
	Total	6	..	6	2	..	..	..
Central Provinces.	Bhandara	1	..	1	..	..	..	..
	Jubbulpore	4	..	4	1	1	2	2
	Total	5	..	5	1	1	2	2
Madras . . .	Nellore	2	..	2	..	..	2	2

APPENDIX I—contd.

Table No. 4—contd.

Numbers of mines opened, closed and inspected, during the year 1927—contd.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under me- chanical power.	Not worked by me- chanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspec- tions.
United Pro- vinces.	Hamirpur	1	...	1	1	1	4	4
		Jhansi	2	...	2	2	...	...
	Total	3	...	3	3	1	4	4
	Grand Total (Steatite)	16	...	16	6	2	8	8
	Grand Total of preceding year	28	...	28	16	13	5	6
	Difference	-12	...	-12	-10	-11	+3	+2
Bihar and Orissa.	Monghyr	6	...	6	1	...	1	1
		Singhbhum	1	...	1	...	1	...
	Total	7	...	7	1	1	1	1
Punjab	Gurgaon	6	...	6	1	1	4	4
		Kangra	5	...	5	...	...	...
	Total	11	...	11	1	1	4	4
	Grand Total (Slate)	18	...	18	2	2	5	5
	Grand Total of preceding year	15	...	15	4	3	12	17
Difference	+3	...	+3	-2	-1	-7	-12	

APPENDIX I—contd.

Table No. 4—contd.

Numbers of mines opened, closed and inspected, during the year 1927—contd.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES:				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
LIMESTONE.								
Bihar and Orissa.	Shahabad	11	1	10	1	...	9	9
	Singbhum	1	...	1	...	1	...	...
	Total	12	1	11	1	1	9	9
Surma	Amherst	1	...	1	1	...	1	1
	Northern Shan States	3	...	3	1	...	5	7
	Total	4	...	4	2	...	6	8
Central Provinces.	Bilaspur	3	...	3	...	...	...	...
	Jubbulpore	16	2	14	4	3	1	1
	Raipur	2	...	2	...	...	...	...
	Yeotmal	2	...	2	2	...	...	...
	Total	23	2	31	6	3	1	1
Punjab	Attock	2	...	2	2	...	2	2
	Jhelum	3	...	3	2	...	1	1
	Rawalpindi	1	...	1	...	...	3	3
	Total	6	...	6	4	...	6	6
Grand Total (Limestone)		45	3	42	13	4	23	24
Grand Total of preceding year.		40	4	36	6	13	37	54
Difference		+5	-1	+6	+7	-3	-15	-30

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.		
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
Bengal	Birbhum	4	IGNEOUS ROCK.				1	1	
			1	3	3	...	1	1	
Bihar and Orissa.	Singbhum	1	...	1	...	...	...	...
	Sonthal Parganas	43	...	43	39	3	42	42	
	Total	44	...	44	39	3	42	42	
Bombay	Bombay Suburban	4	...	4	...	1	3	3	
	Colaba	1	...	1	1	...	...	...
	Total	5	...	5	1	1	3	3	
Burma	Bassein	1	...	1	...	...	...	...
	Taungoo	2	...	2	2	...	...	...
	Thaon	8	...	8	3	2	7	9	
	Total	11	...	11	5	2	7	9	
	Grand Total (Igneous Rock) .		64	1	63	48	6	53	55
	Grand Total of preceding year		19	...	19	4	2	78	99
Difference .		+45	+1	+44	+44	+4	-25	-44	
Bihar and Orissa.			STONE (unspecified).						
	Gaya	4	...	4	4	1	...	...
	Manbhum	1	...	1	1	...	...	...
	Monghyr	1	...	1	1	1	...	...
	Shahabad	1	...	1	1	...	...	...
	Singbhum	5	...	5	...	1	...	...
Total		12	...	12	7	3	...	...

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

Province.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
STONE (unspecified)—<i>contd.</i>								
Punjab	Rawalpindi	1	..	1	..	..	..	..
United Provinces.	Allahabad	9	..	9	7	..	7	7
	Jhansi	10	..	10	5	4	..	..
	Saharanpur	1	..	1	1	..	1	1
	Total	20	..	20	13	4	8	8
	Grand Total (Stone unspecified).	33	..	33	20	7	8	8
	Grand Total of preceding year.	19	..	19	3	1	..	..
	Difference	+14	..	+14	+17	+6	+8	+1
LATERITE.								
Barma	Toungoo	1	..	1	1	..	..	..
	Thaton	1	..	1	1	..	1	..
	Total (Laterite)	2	..	2	2	..	1	..
	Total of preceding year	..	..	..	..	..	..	..
	Difference	+2	..	+2	+2	..	+1	+
SILICA SAND.								
Bihar and Orissa.	Sonthal Parganas . . . . .	..	..	..	..	..	..	..
	Total of preceding year	..	..	..	..	..	..	..
	Difference	..	..	..	..	..	..	..

APPENDIX I—contd.

Table No. 4—contd.

Numbers of mines opened, closed and inspected, during the year 1927—contd.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
SANDSTONE.								
Bihar and Orissa	Shahabad	2	...	2	...	...	6	6
United Provinces.	Allahabad	3	...	3	1	...	2	2
	Banda	1	...	1	...	...	2	2
	Total	4	...	4	1	...	4	4
	Grand Total (Sandstone)	16	...	6	1	...	10	10
	Grand Total of preceding year	11	...	11	3	5	2	2
	Difference	-5	...	-5	-7	-5	+8	+8
GRAVEL.								
Bihar and Orissa	Singhbhum . . . . .	...	...	...	...	...	...	...
Bombay	Kaira	1	...	1	...	...	...	...
	Grand Total (Gravel)	1	...	1	...	...	...	...
	Grand Total of preceding year	2	...	2	1	...	...	...
	Difference	-1	...	-1	-1	...	...	...

APPENDIX I—*contd.*Table 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

PROVINCES.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under me- chanical power.	Not worked by me- chanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspec- tions.
MURUM.								
Bihar and Orissa	Singbhum . . . . .	...	...	...	...	...	...	...
Bombay	Bombay Subarban . . . . .	...	...	...	...	...	...	...
	Kaira . . . . .	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...
United Pro- vinces.	Allahabad . . . . .	...	...	...	...	...	...	...
	Jhansi . . . . .	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...
	Grand Total (Murum)	...	...	...	...	...	...	...
	Grand Total of preceding year	...	...	...	...	...	...	...
	Difference	...	...	...	...	...	...	...
FIRE CLAY.								
Bengal	Burdwan	1	...	1	...	...	...	...
Bihar and Orissa.	Bhagalpur	1	...	1	...	...	1	1
	Manbhum	5	...	5	1	2	...	...
	Palamau	1	1	...	...	...	1	1
	Total	7	1	6	1	2	2	2

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBERS OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
BARYTES.								
Madras . . .	Kurnool	5	..	5	3	..	2	2
	Total of preceding year . . .	3	..	3	..	1	2	2
	Difference	+2	..	+2	+3	-1	..	..
APATITE.								
Bihar and Orissa.	Singhbhum	1	..	1	..	..	..	..
	Total of preceding year . . .	1	..	1	..	..	..	..
	Difference . . . . .	..	..	..	..	..	..	..
ASBESTOS.								
Madras . . .	Cuddapah	1	..	1	..	..	..	..
Rajputana . . .	Ajmer-Merwara	1	..	1	1	..	..	..
	Grand Total (Asbestos) . . .	2	..	2	1	..	..	..
	Total of preceding year . . .	1	..	1	..	..	..	..
	Difference	+1	..	+1	+1	..	..	..

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1927—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
Central Provinces. Madras	Bhandara	1	..	1	1	1	..	..
	Salem	2	..	2	1	1	1	1
	Grand Total (Corundum)	3	..	3	2	2	1	1
	Grand Total of preceding year	2	..	2	2	1	..	..
	Difference	+1	..	+1	..	+1	+1	+1
Burma	Lavoy . . . . .	..	..	..	..	..	..	..
	Total of preceding year	..	..	..	..	..	..	..
	Difference	..	..	..	..	..	..	..
Punjab	Jhelum . . . . .	..	..	..	..	..	..	..
	Total of preceding year	..	..	..	..	..	..	..
	Difference	..	..	..	..	..	..	..
	Grand Total (Metalliferous Mines), 1927.	1,348	97	1,251	413	819	513	604
	Grand Total of preceding year.	1,275	103	1,172	349	347	520	619
	Difference	+73	-6	+79	+73	-28	-7	-15
	Grand Total (All minerals), 1927.	1,992	522	1,470	445	418	1,098	2,395
	Grand Total of preceding year.	1,997	558	1,441	388	469	1,180	2,821
	Difference	-5	-34	+29	+57	-51	-84	+74

APPENDIX I—contd.

Table No. 5.

The following table shows the fluctuations in the output of the principal minerals raised from mines classed under the Indian Mines Act. The other minerals raised are gems, slate, magnesite, steatite, clay, bauxite, fuller's earth, ochre, barytes, apatite, asbestos, corundum and stone.

Year.	Coal.	Manganese ore.	Mica.	Limestone.	Salt.	Gold.	Copper ore.	Wolfram ore.	Iron ore.	Chromite ore.	Tin ore.	Lead ore.	Silver.
	Tons.	Tons.	Cwts.	Tons.	Tons.	Troyozs.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Troy ozs.
1918	19,847,039	416,387	81,672	131,451	159,513	19,916	3,619	3,609	115,890	24,030	802	3	1,169
1919	21,759,727	420,184	81,683	149,810	174,974	11,191	32,768	2,906	101,322	14,067	791	24	753
1920	17,682,711	582,696	44,666	161,340	181,092	13,645	23,167	1,733	143,472	23,123	1,036	123,908	2,870,595
1921	18,353,934	234,254	29,470	234,252	123,084	10,108	32,560	664	266,190	27,727	1,032	144,069	3,356,640
1922	18,168,988	392,322	30,089	140,507	187,187	9,368	30,764	942	240,383	19,698	1,060	172,018	4,206,138
1923	18,763,967	546,378	31,605	236,161	119,700	1,519	6,559	872	292,033	25,238	1,021	245,925	4,844,043
1924	20,256,034	666,331	40,829	313,333	159,918	3,648	38	739	430,805	27,850	1,627	310,236	5,237,900
1925	19,969,041	710,347	45,393	314,222	125,366	288	—	772	529,376	21,239	2,307	321,854	4,391,569
1926	20,093,024	687,099	41,461	327,223	122,301	1,033	9,568	751	600,363	18,455	2,665	362,904	5,103,705
1927	21,108,978	678,521	42,061	1,132,235	146,311	2,395	5,010	690	1,068,291	17,066	2,656	450,777	6,004,386

Table No. 6.

The following table shows the amount of coal raised, the average number of persons working daily and the death-rates during the years 1918 to 1927 in respect of coal mines under the Indian Mines Act :—

Year.	Amount of coal raised.	Average number of persons working daily below and above ground.	Number of deaths below and above ground.	Death-rates.	
				Per 1,000,000 tons raised.	Per 1,000 persons working daily below and above ground.
1918	Tons. 19,847,039	176,269	197	9.93	1.12
1919	21,759,727	190,052	260	11.95	1.37
1920	17,682,711	175,943	172	10.07	0.98
1921	18,353,934	190,647	257	13.99	1.35
1922	18,168,988	184,355	209	11.50	1.13
1923	18,763,967	182,601	332	17.69	1.82
1924	20,256,034	137,038	230	11.35	1.23
1925	19,969,041	173,140	186	9.31	1.07
1926	20,093,024	170,628	171	8.51	1.00
1927	21,108,978	165,213	181	8.57	1.10

APPENDIX I—contd.

Table No. 7.

Aggregate horse power and purpose for use of electric motors installed both on the surface and underground at coal mines under the Indian Mines Act.

Coalfield.	Horse power on surface.						Horse power below ground.					Total horse power of motors installed.
	Winding.	Ventilation.	Haulage.	Coal washing or screening.	Miscellaneous.	Total.	Haulage.	Pumping.	Portable machinery.	Miscellaneous.	Total.	
Assam . . . . .	...	...	160	8	99	267	60	...	...	...	60	327
Bokaro	200	75	100	...	156	531	...	585	30	...	615	1,146
Central Provinces . . . . .	...	...	16	...	67	83	40	450	60	1	551	634
Giridih . . . . .	...	120	...	110	347	577	362	2,423	30	2	2,837	3,414
Jharia	2,566	545	2,221	406	3,919	9,657	5,605	13,962	3,260	513	23,360	33,017
Karaupura . . . . .	...	...	125	35	144	304	...	215	...	...	215	519
Raniganj	2,620	980	866	264	289	5,021	4,267	8,662	2,341	191	15,461	20,482
Total	5,388	1,720	3,490	823	5,021	16,440	10,354	26,297	5,741	707	49,099	59,539

Table No. 8.

Number of Mines under the Indian Mines Act, where electric power is used, and the aggregate horse power of electric motors installed.

Provinces.	Minerals worked.						Total horse power of motors installed.
	Coal.		Silver-Lead.		Sundry Minerals.		
	Number of mines.	Horse power.	Number of mines.	Horse power.	Number of mines.	Horse power.	
Assam	2	327	...	...	...	...	327
Bengal	48	17,149	...	...	1	50	17,199
Bihar and Orissa	56	41,429	...	...	1	109	41,538
Bombay . . . . .	...	...	...	...	2	330	330
Burma . . . . .	...	...	2	2,995	4	1,372	4,367
Central Provinces	2	634	...	...	6	861	995
Madras . . . . .	...	...	...	...	1	110	110
Punjab . . . . .	...	...	...	...	1	410	410
Total	110	59,539	2	2,995	16	2,742	65,276

APPENDIX I—*concl'd.*

Table No. 9.

Number and type of coal-cutting machines at work in Coal Mines under the Indian Mines Act.

Maker.	British.	American.	Chain.	Bar.	Percussive.	Power.			Total number of machines.
						Electricity.		Compressed air.	
						A. C.	D. C.		
Goodman . . . . .	..	53	53	...	...	26	27	...	53
Hardiex	5	..	...	...	5	...	...	5	5
Mavor and Coulson	64	...	2	62	...	54	...	10	64
Siskol	2	...	...	...	2	...	...	2	2
Sullivan . . . . .	...	17	17	...	...	17	...	...	17
Total	71	70	72	62	7	97	27	17	141

Jharia coal-field	69 machines	} Total number of square feet undercut 7,555,748.
Raniganj coal-field	65 „	
Bokaro coal-field	1 machine	
Central Provinces coal-field	6 machines	

Table No. 10.

Number of mechanical ventilators in use at Coal Mines under the Indian Mines Act.

Assam.	Bengal.	Bihar and Orissa.	Central Provinces.	Punjab.	Total.
11	17	30	8	1	67

Table No. 11.

Number of safety lamps in use at Coal Mines under the Indian Mines Act.

Assam.	Baluchistan.	Bengal.	Bihar and Orissa.	Central Provinces.	Punjab.	Total.
1,665	6	9,130	6,790	6	8	17,600

412 were locked by screws, 8,394 by lead rivets and 8,794 by magnetic means.

APPENDIX I—*contd.*

Table No. 12.

Statement of explosives used during the year 1927 in mines under the Indian Mines Act.

Name of explosive.	Quantity of explosives used in lb. in :—								
	Coal Mines.	Mica Mines.	Manganese Mines.	Lead ore Mines.	Tin and Wolfram ore mines.	Limestone Mines.	Store Mines.	Other Mines.	Total.
Dynamite	163,639	99,134	47,713	1,164	5,917	2,732	35,442	60,876	416,617
Galignite	79,605	122,084	96,604	145,150	890	8,448	20,470	13,037	492,318
Monobel	151,709	...	...	...	...	...	...	...	151,709
Stonobel	40,386	...	...	...	...	...	...	...	40,386
Robbinite	20	...	...	...	...	...	...	...	20
Gunpowder	1,948,642	45,713	150,149	..	...	106,433	15,033	155,414	2,506,384
Compressed gunpowder .	85,468	...	...	...	...	...	...	...	85,468
Number of detonators used.	1,120,808	844,124	780,846	331,735	77,340	84,682	246,662	267,968	3,704,385

APPENDIX II.
ACCIDENTS IN MINES.

Table No. 1.
Fatal Accidents during the year 1927.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
EXPLOSIONS AND IGNITIONS OF FIRE-DAMP—(1 death).						
1	20th September, 11-30 A.M.	Murulidih mine, Mohuda P. O., Bihar and Orissa.	Bengal Coal Co., Ld.	Budhan Ray, (m.), 23, Coal-cutter.	Coal	Two miners went to work in a rise main gallery in which no one had worked for two days. Fire-damp had accumulated and was ignited by the open light carried by one of the miners. Both were severely burnt and one of them died some ten days later. Inspection and inquiry made. After the accident safety lamps were introduced throughout the whole of the mine.
FALLS OF ROOF AND SIDES.						
(a) Falls of roof—(83 deaths).						
2	2nd January, 7 A.M.	Charanpur mine, Charanpur P. O., Bengal.	Apcar Collieries, Ld.	Kedar Awasthi, (m.), 36, Coal-cutter.	Coal	Deceased was levering down loose coal from the corner of a pillar when a mass of roof coal, 8' x 2' x 1', fell from a height of 15 feet, killing him instantly. Inspection and inquiry made.
3	7th January, 6 P.M.	Dishergarh mine, Dishergarh P. O., Bengal.	Equitable Coal Co., Ld.	Mahabir Maharaj, (m.), 48, Sirdar.	Coal	Deceased was killed by a mass of roof coal, 6' x 2' x 2', which fell from a height of 8 feet. Inspection and inquiry made.
4	26th January, 9 A.M.	South Goluckdih mine, Jharis P. O., Bihar and Orissa.	South Goluckdih Coal Co.	Landva Bilaspuri, (m.), 25, Coal-cutter.	Coal	Deceased was cutting roof coal in a gallery, 8 feet high, when a mass of coal, weighing about 5 awt., fell from between two concealed and converging "slips". He was killed instantly. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(a) Falls of roof—(63 deaths)—contd.						
5	27th January, 10 A.M.	South Kujama mine, Jharis P. O., Bihar and Orissa.	Bagdigi-Kujama, Collieries, Ltd.	Khadi Kola, (m.), 32, Coal-cutter.	Coal	Deceased passed through a fence and was sitting down in a gallery adjoining a pillar on which blasting was being done. A mass of roof coal, weighing about 6 cwt., fell and killed him on the spot. Had deceased not gone into the fenced off area, the accident would not have occurred. Inspection and inquiry made.
6	3rd February, 4 30 P.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Ranegerunge Coal, Association, Ltd.	D. W. Green, (m.), 20, Mining Apprentices.	Coal	Deceased was killed by a mass of coal, 33' x 30' x 1' 6", which fell of a sooty parting in the roof of a gallery, 15' high. Inspection and inquiry made.
7	10th February, 7-30 P.M.	Serampur mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Chuna Manjhi, (m.), 28, Coal-cutter.	Coal	In a place where pillar extraction had been commenced deceased, whilst robbing coal in a place which was fenced off, was struck by a mass of coal, 12' x 11' x 4', which fell from a height of 6 feet. He was killed instantly. Had deceased remained in his allotted working place, the accident would not have occurred. Inspection and inquiry made.
8	16th February, 7-10 A.M.	Jamadoba mine, Jcalgora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Hariram, Bilaspuri. (m.), 38, Coal-Cutter	Coal	Deceased was working under the edge of some roof coal which had recently been blasted when a mass, weighing about 1 cwt., fell on him from a height of 10 feet. He sustained injuries from which he died twenty-two hours later. If the roof coal had been carefully tested after blasting the accident would have been avoided. Inspection and inquiry made.
9	17th February, 10-30 A.M.	Sripur mine, Kalipahari P. O., Bengal.	Lodna Colliery Co., (1920), Ltd.	Andhi Kniri, (m.), 37, Propping-Mistry.	Coal	In a depillaring section of a mine props were being withdrawn by the aid of a "Sylvester" machine. Deceased was using a crow-bar to release a tight prop when a piece of roof coal, 2' 6" x 2' x 1' 6" thick, fell on him from a height of 11 feet, causing fatal injuries. Inspection and inquiry made.

10	3rd March, 4 P.M.	Saltore mine, Dishergarh P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Tekon Teli, (m.) 28, Labourer.	Coal	In the process of hydraulic packing the workings of a coal seam, deceased was engaged in operating the pipe used for delivering the sand into the goaf, when a mass of roof-coal and stone, 30' x 20' x 2' 6", over-rode the supporting props, and fell. Deceased was struck down and killed instantly. Inspection and inquiry made.
11	8th March, 9 P.M.	Ramnagar mine, Kulti P. O., Bengal.	Bengal Iron Co., Ld.	Mukhi Mejhian, (f), 15; Sumati Mejhian, (f), 25, Labourers.	Coal	Whilst the deceased were loading coal which had illegally been cut from the side of a pillar a mass of roof coal, 10' x 5' x 3', fell upon them from a height of 9 feet. Inspection and inquiry made.
12	10th March, 2-30 P.M.	Bhowra mine, Jalgora P. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Foota Manjhi, (m.), 25, Coal-cutter.	Coal	Deceased left his own working place and went to rob coal from the side of a gallery which was near to a loading station. After cutting the side to a depth of 2 feet he exposed a 'slip' in the roof from which a mass of stone, 3' x 1' 6" x 4", fell upon him, killing him instantly. Inspection and inquiry made.
13	18th March, 1 P.M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Sahadari Kurmin, (f.), 35, Coal-carrier.	Coal	Whilst deceased was loading coal which had been blown down by explosives on the previous day, a piece of coal, 5' x 5' x 2', fell on her head from a height of 25 feet. She sustained serious injuries and died one hour later. Inspection and inquiry made.
14	31st March, 3 P.M.	Bankola mine, Ukhara P. O., Bengal.	Burrakur Coal Co., Ld.	Digo Mahato, (m.), 20, Loader.	Coal	Whilst deceased was loading blasted coal he received fatal injuries by a slab of roof stone, 5' x 1' 3" x 4", falling upon him from a height of 11 feet. Inspection and inquiry made.
15	5th April, 5 A.M.	Bhalgora mine, Jharia P. O., Bihar and Orissa.	Bhalgora Coal Co., Ld.	Ismail Kunjra, (m.), 30, Labourer.	Coal	In the temporary absence of the gang head-man and contrary to his instructions, deceased commenced to load coal in a gallery 21 feet high where blasting had been done. About one ton of roof coal fell and killed him. Inspection and inquiry made.
16	5th April, 9-30 A.M.	Kankanee mine, Bansjora P. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Shamial Chamaf, (m.), 39, Sirdar.	Coal	Whilst engaged in drawing timber a sirdar was killed by a slab of stone, 6' x 3' x 9", falling from a height of 6 feet. Inspection and inquiry made.
17	7th April, 11-30 A.M.	Tikak mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Loow Po, (m.) 42; Leoug Than, (m.), 47, Labourers.	Coal	The deceased were killed by an unexpected fall of roof coal in an "opening" or chamber, 30' x 20' x 24', in which they were loading coal. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, during the year 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—concl'd.						
(a) Falls of roof—63 deaths—contd.						
18	14th April, 4 P.M.	Katras mine, Katragarh P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Tribhuban Malla, (m.), 25. Coal-cutter.	Coal	Whilst at work in a gallery deceased was struck down and killed instantly by a mass of stone, 9' x 7' 6" x 8", which fell from the roof—a height of 8½ feet. Inspection and inquiry made.
19	28th April, 11 A.M.	Newton Chiekl mine, Parasia P. O., Central Provinces.	Newton Chiekl Collieries, Ltd.	Guroo Khan, (m.), 22. Coal-cutter.	Coal	Deceased was boring a short hole into the corner of a pillar of coal when a mass of stone, 2½' x 2½' x 2', fell on him from a height of 6 feet. He was killed instantly. Inspection and inquiry made.
20	28th April, 2 P.M.	Kujama mine, Jharis P.O., Bihar and Orissa.	K. S. Nauji & Co.	Borki Mejhian, (f), 15, Coal-carrier.	Coal	Whilst a woman was loading coal in a gallery she was struck by a mass of coal, 18' x 12' x 2', which fell from the roof—a height of 12 feet. She was killed instantly. Inspection and inquiry made.
21	7th May, 6 A.M.	Kusore mine, Kusunda P. O., Bihar and Orissa.	Raseegunge Coal Association, Ltd.	Nakhi Lal Lalla, (m.), 42, Coal-cutter.	Coal	A miner was loading coal in a gallery, when a mass of roof coal, 16' x 7' x 3', fell from a height of 8 feet. A portion of the coal fell upon him with fatal effect. Inspection and inquiry made.
22	7th May, 6 P.M.	Sirka mine, Sirka P.O., Bihar and Orissa.	South Karanpura Coal Co., Ltd.	Lalija Teli, (m.), 15, Labourer.	Coal	An inclined tunnel from surface was being driven through soft ground when a fall of roof, 12' x 4' x 1', occurred. Deceased was killed and three other persons were injured. The temporary support provided proved to be inadequate. Inspection and inquiry made.
23	9th May, 5 P.M.	Begunia Khas mine, Barakar P.O., Bengal.	Maharaja of Kasim bazar.	Murath Meah, (m.) 35; Hari Meah, (m.), 30, Coal-cutters.	Coal	The deceased left their appointed working place, broke down a fence, and entered a goaf to extract some fallen coal. A mass of roof, 50' x 50' x 1', fell and killed them on the spot. Inspection and inquiry made.

24	9th May, 11 P.M.	Bhagrand mine, Salanpur P.O., Bengal.	Bengal Coal Syndi- cate.	Gira Bauri, (m), 43, Coal-cutter.	Coal	Two miners left their appointed working place and passed through a fence to get some fallen roof coal at the edge of a goaf, when a mass of coal, 11' x 5' x 9', fell from a "slip" at a height of 12 feet. One of them was killed instantly and the other sustained slight injuries. Inspection and inquiry made.
25	10th May, 10-30 A.M.	Bara-Golai mine, Margherita P.O., Assam.	Assam Railways and Trading Co., Ld.	Sataya Tolinga, (m), 24, Labourer.	Coal	Whilst coal was being loaded in an 'opening' or chamber, 28' x 28' x 20', several tons of coal fell without warning from a "slip" in the roof. Deceased was killed instantly. Inspection and inquiry made.
26	14th May, 1 P.M.	Pidh (No. 1 East) mine, Dan'ote P.O., Punjab.	Lala Ishar Dass Kapur.	Khuda Bakash, (m) 70, Labourer.	Coal	Deceased was poking a goaf in a place 5½ feet high, when a mass of stone 2' x 1' x 6", fell from a concealed "slip". He sustained serious injuries and died a few hours later. Inspection and inquiry made.
27	15th May, 2-20 A.M.	Sendra mine, Banjora P.O., Bihar and Orissa.	Sendra Coal Co., Ld.	Jathu Bilaspuri, (m), 50, Coal-carrier.	Coal	Whilst loading coal in a gallery deceased was struck and killed by a mass of coal (about 1 ton) which fell from the roof—a height of 19 feet. Inspection and inquiry made.
28	18th May, 7-45 A.M.	Lodna mine, Jharla P.O., Bihar and Orissa.	Lodna Colliery Co., (1920) Ld.	Kardhanian Bhuiyan, (f), 18, Coal-carrier.	Coal	Whilst deceased was loading a basket of coal in a gallery she was struck and killed by a piece of coal, 8' x 1' x 1', which fell from the roof—a height of 20 feet. Inspection and inquiry made.
29	6th June, 8-30 P.M.	Bara-Golai mine, Margherita P.O., Assam.	Assam Railways and Trading Co., Ld.	Sankardas Pankha, (m), 28, Timberman.	Coal	Timbers were being replaced on a level road when a mass of roof coal, 8' x 8' x 0' to 8' thick, fell from a "slip". One of the timbermen was buried and killed. Inspection and inquiry made.
30	21st June, 11 A.M.	Ledo Valley west, Margherita P.O., Assam.	Assam Railways and Trading Co., Ld.	Lal Bahadur Hanna, (m), 28, Coal-cutter.	Coal	Two miners were charging shot-holes in an "opening" or chamber, 40' x 30' x 15' high, when a mass of coal, 20' x 15' x 8', fell upon them from the roof. One was killed and the other was buried, but escaped without serious injury. Inspection and inquiry made.
31	23rd June, 4 P.M.	Katras mine, Katragarh P.O., Bihar and Orissa.	Barrakur Coal Co., Ld.	Jabri Bhuiyan, (f) 18, Coal-carrier.	Coal	Whilst a woman was loading coal in a gallery she was struck by a mass of coal, 15' x 9' x 2', which fell from the roof—a height of 7 feet. She was killed instantly. Inspection and inquiry made.
32	29th June, 1-45 P.M.	Tikak mine Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Manbahadur Lania, (m), 22, Labourer.	Coal	In an "opening" or chamber, 32' x 16' x 17' high, coal was being loaded when a mass of coal fell prematurely from the roof and side. Deceased was struck down and killed. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, during the year 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
Fall of roof (a)—(63 deaths)—contd.						
33	2nd July, 12-30 P. M.	New Sinidih mine, Katraagarh P. O., Bihar and Orissa.	New Sinidih Coal Co., Ld.	Dhirendra Nath Bhawas, (m.), 25, Head Overman.	Coal	Whilst deceased was superintending some repair work in a gallery he was struck by a mass of stone, 10' x 6' x 1' 3", which fell from the roof—a height of 4½ feet. He was killed instantly. Inspection and inquiry made.
34	30th July, 5-30 P. M.	Koshoram-Sathgram mine, Rauiganj P. O., Bengal.	Koshoram Poddar & Co.	Tulsi Meshian, (f), 45, Coal-carrier.	Coal	Deceased went into a fenced gallery to pick up some fallen coal when a mass of roof stone, 3' x 2' 6" x 8", fell on her from a height of 7 feet. She sustained serious injuries to which she succumbed a few hours later. If deceased had remained in her appointed working place the accident would not have occurred. Inspection and inquiry made.
35	3rd August, 9-30 A. M.	Lintons Angarpathra mine, Sijna P. O., Bihar and Orissa.	Lintons Angarpathra Colliery, Ld.	Allad Gorah, (m.), 35, Monca Gorah, (m.), 26, Coal-cutters; Surajmati Gorah, (f), 25, Coal-carrier.	Coal	A gang of six persons was loading coal from pillars under extraction when a mass of unsupported roof 30' x 10' x 6", fell from a height of 20 feet. Two of them were killed instantly and another was fatally injured. Had reasonable precautions been taken to support the roof the accident would not have occurred. Inspection and inquiry made.
36	7th August, 9 A. M.	Noonodih mine, Jealgora P. O., Bihar and Orissa.	Bengal Iron Co., Ld.	Behari Kola, (m.), 35, Banamali Kola, (m.), 40, Coal-cutters.	Coal	Whilst engaged in cutting coal from a pillar under extraction the deceased were struck by a mass of roof coal, 12' x 10' x 4' 8", which fell from a height of 7½ feet. They were killed instantly. Inspection and inquiry made.
37	11th August, 1-30 P. M.	Bansodepur mine, Kusundn P. O., Bihar and Orissa.	Bansodepur Coal Co., Ld.	Nathu Chamar, (m.), 30, Propping carpenter.	Coal	Whilst he was setting a prop in a depillaring area, deceased was struck on the head and fatally injured by a piece of roof coal, weighing about 50 lb., which fell from a height of 20 feet. Inspection and inquiry made.

38	27th August, 1 A. M.	Tikak mine, Margherita, P. O., Assam.	Assam Railways and Trading Co., Ltd.	Laloo Kachi, (m.), 30, Loader.	Coal	Whilst a loader was at work in an "opening" or chamber 33' x 35' x 25' high, a mass of coal, weighing about 10 cwt., fell prematurely. Deceased was struck down and killed. Inspection and inquiry made.
39	30th August, 11 P. M.	Central Kajora mine, Orda P. O., Bengal.	Central Kajora Coal Co., Ltd.	Padi Mojhan, (f), 27, Coal-carrier.	Coal	Deceased was carrying coal out of a gallery when a mass of stone, weighing about 4 tons, fell on her from between two "slips" at a height of 8 feet. She was killed instantly. Had supports been set against the "slips" the accident would have been avoided. Inspection and inquiry made.
40	17th September, 7-30 P. M.	Hurriladih mine, Jharia P. O., Bihar and Orissa.	Equitable Coal Co., Ltd.	Khamdar Manjhi, (m.), 30, Coal-cutter.	Coal	A miner was cutting roof coal, 6 feet thick, in a gallery, 7 feet high, when a mass of coal, 11' x 9' x 12', fell from a "slip". He sustained fatal injuries and another miner was seriously injured. Inspection and inquiry made.
41	22nd September, 4 A. M.	Joyramdanga mine, Asansol P. O., Bengal.	New Boerbhoom Coal Co., Ltd.	Dugai Kole, (m.), 30, Coal-cutter.	Coal	A miner engaged in extracting a pillar of coal was killed by the fall of about 3 cwt. of roof coal, from a height of 15 feet. Inspection and inquiry made.
42	28th September, 2 A. M.	New Baraboni mine, Charanpur P. O., Bengal.	New Baraboni Coal Concern.	Damra Manjhi, (m.), 26, Coal-cutter.	Coal	A miner was standing on a barrel, cutting roof coal in a depillaring area when the fall of a piece of coal upset the barrel and caused him to fall to the floor. Before he could recover himself he was struck and killed by a mass of roof coal, 5' x 2' 6" x 8', which fell from a "slip" at a height of 10 feet. Inspection and inquiry made.
43	4th October, 9 A. M.	Bawzaing mine, Buwssing P. O., Burma.	Shan States Silver Lead Corporation, Ltd.	Mg Mya, (m.), 28, Timberman.	Lead Silver,	Whilst at work in a stop, and engaged in resetting timber disturbed by blasting, he was killed by a fall of ground.
44	12th October, 2 P. M.	Jarandih mine Bokaro P. O., Bihar and Orissa.	B. B. & C. I. and M. & S. M. Rail- ways.	Tholur Aiyoo, (m.), 25, Coal-cutter.	Coal	Whilst two miners were at work at the face of an underground gallery, 8' wide and 6' high, there was a loud report and a simultaneous fall of about 1½ tons of coal from the roof. After the fall the existence of a "slip" running parallel with one side of the gallery was disclosed. Prior to the accident a small quantity of fire-damp was being given off. It was considered by the manager that the pressure exerted by gas was a contributory cause of the fall of coal. One of the men was killed and the other was seriously injured. Inspection and inquiry made.
45	13th October, 6 P. M.	Tajwala mine, Dhak P. O., Punjab.	Northern Coal Co., India	Bahadur, (m.), 40, Labourer.	Coal	Whilst deceased was cleaning out a roadway, 4' x 4', a piece of stone, 1' x 6" x 3' fell from a "slip" on to his back. He sustained injuries and died about two weeks later. Inspection and inquiry made.

APPENDIX II—*contd.*

List of Fatal Accidents, during the year 1927—*contd.*

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, age, sex, and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—<i>concl'd.</i>						
(a) Falls of roof—(63 deaths)—<i>cont'd.</i>						
46	22nd October, 1.30 P. M.	Khas Jinagora mine, Jharia P. O., Bihar and Orissa.	G. P. O. & Com- pany.	Shukha Manjhi, (m.), 35, Coal-cutter. Chhuan Mejhian, (f.), 18, Coal-carrier.	Coal	Whilst the deceased were dressing the side of a gallery, they were struck by a mass of roof coal, 23' x 13' x 3' which fell from a height of 7 feet. They were killed instantly. Another miner was seriously injured. Inspection and inquiry made.
47	22nd October, 8 P. M.	Ledo Valley mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Khargey Kumi, (m.), 22, Loader.	Coal	Whilst a loader was at work in an "opening" or chamber 40' x 40' x 18' high, he was killed by stone which fell from the roof. Inspection and inquiry made.
48	12th November, 5 P. M.	Jainty Central mine, Karmatar P. O., Bihar and Orissa.	Jainty Central Colliery, Ld.	Gulu Meah, (m.), 33, Coal-carrier.	Coal	Whilst a loader was carrying coal a mass of shale, 9' x 9' x 8' thick, fell from the roof at a height of 6 feet, killing him instantly More careful examination of the roof might have prevented the accident. Inspection and inquiry made.
49	22nd November, 3 P. M.	Ledo Valley mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Dhaniram Kooch, (m.), 39, Coal-cutter.	Coal	Whilst three persons were lowering a slab of coal in an 'opening' or chamber, 5 feet high, the coal suddenly fell away. Deceased stumbled forward and was caught by the falling coal. He received injuries from which he died. Inspection and inquiry made.
50	24th November, 3 P. M.	Jainty Central mine, Karmatar P. O., Bihar and Orissa.	Jainty Central Colliery, Ld.	Ramjan Meah, (m.), 32, Oju Meah, (m.), 36, Coal-cutters; Aldin Meah, (m.), 18, Labourer.	Coal	At the junction of two underground galleries a mass of stone, 18' x 6' x 2' 6", fell from the roof at a height of about 9 feet. Three persons sitting underneath were killed on the spot, while two others walking along the road sustained slight injuries. The fall exposed a slip meeting a vertical joint in the roof. Inspection and inquiry made.

51	2nd December, 4-15 A.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Lal Singh, (m.), 28, Miner.	Silver- lead.	Whilst a miner was shovelling ore into a chute a mass of ore, weighing 150 to 200 tons, broke away above the overhead lagging, causing the timbering of square sets to collapse. The man was buried by the debris and received fatal injuries. Inspection and inquiry made.
52	8th December, 1 A.M.	Damudapur mine, Nandi P. O., Bengal.	Bengal Coal Co., Ld.	Fanchoo Meah, (m.), 40, Coal-cutter	Coal	Whilst a miner was dressing down roof coal which had been loosened by a shot, a mass of coal, 6' x 3' x 3', fell prematurely from a height of 8 feet. The stool on which the miner was standing was knocked over and he was caught by the fall and killed instantly. Inspection and inquiry made.
53	17th December, 5 P.M.	Makerwal mine, Trag P. O., Punjab.	C. B. Potman and Iswar Dass Kapur.	K. Nushmir, (m.), 55, Coal-cutter.	Coal	Whilst cutting coal at the face of a longwall working a miner was fatally injured by a fall of roof.
54	23rd December, 7-30 P.M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Nanki Kolin, (f.), 18, Coal-carrier,	Coal	Whilst two women were loading coal at the face of a gallery one of them was struck by a mass of stone, 8' x 4' x 6', which fell from the roof, a height of 7 feet. She was killed instantly and the other woman was seriously injured. The place was known to be unsafe, but it had not been properly fenced to prevent access. Inspection and inquiry made.
55	30th December, 6 A.M.	Sripur mine, Kalipahari P. O., Bengal.	Lodna Colliery Co. (1920) Ld.	Etwari Turi, (m.), 31, Loader.	Coal	Whilst two loaders were filling their baskets with coal in a working place, about 10 cwt. of roof coal fell on them from a height of 9 feet. They were both severely injured, one of them dying a few hours later. Inspection and inquiry made.
(b) Falls of sides—(59 deaths).						
56	27th January, 10 A.M.	Khowra mine, Khowra P. O., Punjab.	Government of India.	Anor, (m.), 24, Mule driver.	Salt	Deceased with three other persons was setting timber supports in a drainage channel excavated in the bed of a gorge, when a portion of side fell and caused some of the supports to collapse. He was imprisoned and suffocated before he could be extricated. Inspection and inquiry made.
57	2nd February, 12-30 A.M.	Baltore mine, Dishergarh P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Gobinda Raari, (m.), 45, Coal-cutter.	Coal	Deceased was robbing coal from the corner of a pillar when a fall of side occurred, inflicting what appeared to be slight injuries. He died, however, later on the same day. Inspection and inquiry made.
58	2nd February, 12 noon.	Kandivli mine, Malad P. O., Bombay.	Bombay Develop- ment Department.	Naga Laxuman, (m.), 30, Miner.	Stone	Whilst at work in an open excavation, 15 feet deep, deceased was killed by a fall of side. Another man was slightly injured. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents during the year 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(b) Falls of sides—(59 deaths)—contd.						
59	18th February, 9-30 A.M.	Surangi mine, Domchanch P. O., Bihar and Orissa.	F. F. Christien & Co., Ltd.	Hujat Manjhi, (m.), 27, Driller.	Mica	Whilst at work in a quarry deceased was fatally injured by a mass of rock, 6' x 5' x 1' 6", which fell from the side. Had the supervision exercised by the subordinate officials been closer the accident might have been avoided. Inspection and inquiry made.
60	18th February, 2-30 P.M.	Ballihari mine, Kusunda P. O., Bihar and Orissa.	Ballihari Coal Co.	Dhania Gond Rajwar, (f.), 40, Labourer.	Coal	Deceased was killed by the fall of a slab of coal, 10' x 2' 6" x 1' 3", from the corner of a pillar. Inspection and inquiry made.
61	1st March, 10-30 A.M.	Talewadi mine, Tinaighat P. O., Bombay.	Eastern Mining Co.	Yella Gadoo, (m.), 26; Sottu Nagappa, (m.), 25; Goneh Chudappa, (m.), 23; Kallappa Lackam, Gowda, (m.), 26. Miners.	Manga- nese.	A gang of four miners was attempting to bar down a laterite boulder, 5' x 3' x 3', from a height of 7 feet on the face of a quarry 14 feet deep, while another gang of five persons was engaged in removing spoil from the bottom of the quarry. The boulder became dislodged sooner than was expected, and it rolled down and crushed the four deceased all of whom received fatal injuries and died within a few hours. Inspection and inquiry made.
62	9th March, 8-15 A.M.	Deoli mine, Dishegarh P. O., Bihar and Orissa.	Deoli Coal Co., Ltd.	Churu Manjhi, (m.), 26, Coal-cutter.	Coal	Deceased was engaged in cutting a coal face in a depillar- ing district, when a mass of coal fell away from the side near the roof, striking him on the head and causing instant death. Inspection and inquiry made.
63	11th March, 1-30 A.M.	South Bulliari mine, Kusunda P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Talai Gopa, (m.), 35, Coal-cutter.	Coal	Whilst deceased was under-cutting coal at the corner of a pillar, he was severely injured by a mass of coal, 4' x 3' x 2' 6", which fell off a well defined "cleat." He died an hour later. The accident was due to lack of ordinary care on the part of deceased. Inspection and inquiry made.

64	11th March, 10-33A. M.	Chickla-Sitassongi mine, Dongri P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ld.	Sibram, (m.), 45, Warina, (m.), 35, Bhikin, (m.), 35, Miners.	Manga- noso.	Whilst a number of persons were at work at the foot of a bench, 12 feet thick, a portion of the side, weighing about 16 tons, fell from the face and buried four of them. One of them was killed on the spot, two others were fatally injured, and three others were seriously injured. Inspection and inquiry made.
65	1st April, 5 P. M.	Doogdha mine, Nudkharkee P. O., Bihar and Orissa.	Keshab Chandra Barui.	Raghuni Malla, (m.), 24, Coal-cutter.	Coal	Whilst a miner was cutting coal in a quarry he was struck by a mass of overhanging shale 18' x 8' x 1', which fell from a height of 5 feet. He was fatally injured. Had the sides of the quarry been properly sloped the accident would not have occurred. Inspection and inquiry made.
66	16th April, 1-45 P. M.	Bhulanbararoo mine, Pathardih P. O., Bihar and Orissa.	Bhulanbararoo Coal Co., Ld.	Girdhari Gope, (m.), 20, Coal-cutter.	Coal	Two miners went through a fence for the purpose of robbing coal. A mass of several tons of coal fell from the side and killed one of them. Inspection and inquiry made.
67	26th April, 2-45 P. M.	North Anantapur mine, Vajrakarur P. O., Madras.	North Anantapur Gold Mines, Ld.	Savala Thimmappa, (m.), 35, Labourer.	Gold	After blasting had been done in a stope a mass of rock, weighing about 800 lb., fell unexpectedly from the hanging wall. Deceased was struck by the rock and killed instantly.
68	3rd May, 6 P. M.	Gopallchuk West mine, Kusunda P. O., Bihar and Orissa.	Gopallchuk Coal Co., Ld.	Duli Meah, (m.), 40, Coal-cutter.	Coal	A miner was struck and fatally injured by a mass of coal, 11' x 10' x 2', which fell from the side of a pillar. Had the side been properly examined and dressed the accident would not have occurred. Inspection and inquiry made.
69	7th May, 9 A. M.	Bhagora mine, Jharia P. O., Bihar and Orissa.	Bhagora Coal Co., Ld.	Khusi Chamar, (m.), Coal-cutter.	Coal	Whilst loading coal a miner was struck and fatally injured by a piece of coal, weighing about 80 lbs., which fell from the side of a pillar under extraction. Had the overhanging coal been taken down before persons were allowed to load coal the accident would not have occurred. Inspection and inquiry made.
70	14th May, 2-30 P. M.	Jamadoba mine, Jealgora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Panchu Turi, (m.), 19, Jagoo Turi, (m.), 25, Coal-cutters.	Coal	Two miners undercut the corner of a pillar under extraction, and were struck and fatally injured by a mass of coal, 9' x 8' x 1' 6", which fell upon them. Had the work proceeded from the top downwards the accident would not have occurred. Inspection and inquiry made.
71	26th May, 2 A. M.	Jinagora mine, Jharia P. O., Bihar and Orissa.	East Bararoo Coal Co.	Bhulla Rajwar, (m.), 35, Coal-cutter.	Coal	Deceased went through a fence and was robbing coal from the side of a pillar when a mass of coal, 10' x 4' x 2', fell from the side. He was struck down and received injuries which caused death two days later. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents, during the year 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
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FALLS OF ROOF AND SIDES—contd.

(b) Falls of Sides—(59 deaths)—contd.

72	6th June, 2-30 P. M.	Loyabed mine, Bansjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Takori Koari, (m.), 24, Stone-cutter.	Coal	Whilst a miner was engaged in roof repair work on a haulage incline he was struck and fatally injured by a mass of stone, 5' x 2' x 1' 8", which fell from the side—a height of 4 feet. Inspection and inquiry made.
73	10th June, 8 P. M.	Myogyi mine, Toungoo P. O., Burma.	Abbid Ali	Mang Datch, (m.), 50, Labourer.	Igneous Rock.	Deceased was killed by a fall of side in an open quarry.
74	14th June, 1 P. M.	Moheshpur mine, Katragarh P. O., Bihar and Orissa.	Kharkharee Col- lieries, Ld.	Nundhia Ghatwalin, (f.), 24, Coal-carrier.	Coal	Deceased had accompanied her husband into a fenced gallery and was engaged in loading coal robbed therefrom. A heavy fall of side occurred and a large piece of coal, striking deceased on the head, killed her instantly. Inspection and inquiry made.
75	5th July, 11-15 A. M.	Namdang mine, Margherith P. O., Assam.	Assam Railways & Trading Co., Ld.	Mohomedin Pathan, (m.), 25, Budhia Gora, (f.), 45, Labourers.	Coal	The deceased were killed by a fall of some eight tons of coal from the side of a quarry. Inspection and inquiry made.
76	9th July, 11-30 A. M.	Ekra Khas mine, Bansjora P. O., Bihar and Orissa.	Maharaja of Kazim- bazar.	Thakur Manjhi, (m.), 35, Coal cutter.	Coal	A miner was robbing coal from the corner of a pillar when a triangular column of coal, weighing about a ton, fell away from the side and struck him, causing injuries which afterwards proved fatal. Inspection and inquiry made.
77	28th July, 10-45 A. M.	Kargali mine, Bokaro P. O., Bihar and Orissa.	Great Indian Penin- sula Railway.	Sobharam Rohidas, (m.), 45, Coal-cutter.	Coal	Whilst miners were engaged in cutting coal in the bottom of a railway cutting in a quarry a shower of rain came on and they left the place to take shelter. One of them returned to take away a pick and just then a portion of the side of the cutting fell away from a slip at a height of about 20 feet. He was struck by the falling coal and sustained injuries which proved fatal on the following day. Inspection and inquiry made.

78	4th August, 10-30 A.M.	Lodna mine, Jharua P. O., Bihar and Orissa.	Lodna Colliery Co., Ld. (1920).	Dharmu Ram, (m.), 31, Coal-cutter.	Coal	Whilst deceased was standing on a ladder, stemming a shot-hole in a pillar, 31 feet high, a mass of coal, 14' x 9' x 3', fell from the side. Deceased was thrown from the ladder and killed instantly by the falling coal. Inspection and inquiry made.
79	11th August, 4 30 A.M.	Bansdeopur mine, Kusunda P. O., Bihar and Orissa.	Bansdeopur Coal Co., Ld.	Shamarn Chamar, (m.), 40, Coal-cutter, Srimanti Chama- rin, (f.), 36, Coal-carrier.	Coal	Three miners entered a fenced area and were undercutting the side of a pillar when a mass of coal, 7' x 12' x 3', fell upon them from a height of 5 feet. Two of them were fatally injured and the third was seriously injured. Inspection and inquiry made.
80	21st August, 2-30 A.M.	Simlabahal mine, Jharua P. O., Bihar and Orissa.	Bhargora Coal Co., Ld.	Bhir Sha Kurmi, (m.), 45, Coal-cutter.	Coal	Whilst a miner was illegally loading coal in a fenced gallery he was struck and fatally injured by a slab of coal, 3' 6" x 8' 6" x 1', which fell from the side at a height of 5 feet. Inspection and inquiry made.
81	22nd August, 2-30 P.M.	Serampur mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Ako Mesh, (m.), 28, Coal-cutter.	Coal	Whilst a miner was standing on a ladder and cutting coal near the top of a pillar, 30 feet high, a mass of coal, 20' x 12' x 2', fell from the side. The ladder was knocked over and the man was thrown to the floor and fatally injured. Inspection and inquiry made.
82	28rd August, 3 P.M.	Sendra mine, Bansjora P. O., Bihar and Orissa.	Sendra Coal Co., Ld.	Bhartha Bilaspuri, (m.), 35, Coal-cutter.	Coal	Whilst deceased was dressing the side of a pillar which had become insecure as a result of shot-firing, a mass of coal, 3' x 2' x 3', fell on him from a height of about 5 feet, inflicting fatal injuries. Inspection and inquiry made.
83	50th August, 4-30 P.M.	Jamadoba mine, Jalgora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Mukhia Turia, (f.), 30, Coal-carrier.	Coal	Whilst a woman was loading a basket near a pillar under extraction she was struck and fatally injured by a mass of coal, 9' x 4' x 3', which fell from the side. Inspection and inquiry made.
84	2nd September, 1 P.M.	Napur mine, Haniganj P. O., Bengal.	Napur Coal Co., Ld.	Lala Pasi, (m.), 44, Coal-cutter.	Coal	Whilst standing on a pile of loose coal, dressing down side coal with a crowbar, a miner overbalanced and fell forward. At the same time about 3 cwt. of loosened side coal fell on him from a height of 7 feet. He was severely injured and died eight hours later. Inspection and inquiry made.
85	4th September 6-30 A.M.	Malkera mine, Katrasgarh P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Jagatram Rohidas, (m.), 33, Coal-cutter.	Coal	A miner, having entered a fenced gallery, was cutting coal from a pillar, when a fall of side, 5' x 6' x 1' 6", occurred. He was killed instantly. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOFS AND SIDES—contd.						
<i>(b) Falls of Sides—(59 deaths)—contd.</i>						
86	10th September, 10 A.M.	Tarki mine, Tarki P. O., Punjab.	Government of Punjab (P. W. Department).	Sakhi; (m.), 22; Mirah, (m.), 35; Fazlo, (m.), 40; Faiza, (m.), 46; <i>Barik-cullers.</i>	Lime- stone.	A number of persons were sitting in the shade of a railway cutting under construction when a small fall of ground from the side of the cutting partly buried two of them. Whilst rescue work was in progress there was a further and larger fall which completely buried them and two of the rescue gang. Had the sides of the cutting been properly sloped the accident would probably have been avoided. Inspection and inquiry made.
87	15th September, 9-30 A.M.	Benahir mine, Jharia P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Sukhada Bourin, (f.), 35, <i>Coal-carrier.</i>	Coal	Whilst a woman was loading a basket in a gallery she was struck and fatally injured by a mass of coal which fell from the side of a pillar. A fellow-worker was seriously injured. Inspection and inquiry made.
88	16th September, 11 A.M.	Tirody mine, Tirodi P. O., Central Provinces.	Tirody Manganese Ore Co., Ld.	Chahlo Tanti, (m.), 35, <i>Miner.</i>	Manga- nese.	Whilst a miner was barring down loose rock in a quarry a piece of stone, 12' x 8' x 6", fell upon his foot from a height of about 3 feet. He was seriously injured and died of 'tetanus' fifteen days later. Inspection and inquiry made.
89	21st September, 6-45 A.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ld.	Tain Se Hwa, (m.), 24, <i>Miner.</i>	Silver- Lead.	Whilst a miner was putting up a set of timber, a fall of ground occurred and a prop was knocked out. The prop struck the miner on the head, inflicting fatal injuries. Inspection and inquiry made.
90	28th Sep- tember, 10 A.M.	Barares mine, Jeaigora P. O., Bihar and Orissa.	East Indian Coal Co., Ld.	Megh Nath, (m.), 38, <i>Coal-cutter.</i>	Coal	A miner was dressing the corner of a pillar with a crowbar when he released a mass of coal, 4' x 3' x 1' 6", which fell on him and caused fatal injuries. Had he used a ladder as instructed, the accident would have been avoided. Inspection and inquiry made.

91	11th October, 5-30 P.M.	Benahir mine, Jharia P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Giree Baurin, (f.), 30, Labourer.	Coal	In a section of a mine where pillars were being extracted, a gang of loaders was sitting on a tram line waiting for empty tubs when a piece of coal, 8' x 10' x 9' fell from the corner of a pillar 27 feet in height. A woman was struck on the head and killed instantly. Inspection and inquiry made.
92	14th October, 10-30 A.M.	Ramrama mine, Bharweli P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ld.	Sambhoo, (m.), 50, Miner.	Manga- nese.	Whilst a miner was carrying a load of ore in a quarry he was struck and fatally injured by a lump of ore, 2' x 2' x 2', which other miners had levered down from the edge of a bench 15 feet above. Proper warning had been given but he had disregarded it. Inspection and inquiry made.
93	19th October, 11-30 A.M.	Parbelia mine, Dishergarh P. O., Bihar and Orissa.	Bengal Coal Co., Ld.	Bipini Nuniani, (f.), 26, Labourer.	Coal	A woman was filling a basket with coal in a working place when she was fatally injured by a slab of coal, 4' x 3' x 1', which fell on her from the face. Inspection and inquiry made.
94	20th October, 4 P.M.	Mudidih mine, Sijua P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Mongar Meah, (m.), 35, Coal-cutter.	Coal	A lofty pillar of coal was being prepared for extraction, and a miner was engaged in cutting a ledge around the top of it. He released a mass of coal which fell against and dislodged a prop, 23 feet in length, and in falling the prop struck and killed instantly another miner who was standing nearby. Inspection and inquiry made.
95	24th October, 2-20 P.M.	Sorampur mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Tojo Meah, (m.), 16; Akbar Meah, (m.), 15, Coal-cutters.	Coal	In a depillaring section of a mine a gang of coolies was engaged in carrying coal when a mass of coal, weighing about 10 tons, fell upon them. Two of them were fatally injured and two sustained slight injuries. If they have followed the proper carrying road instead of a short cut which was fenced to prevent its use the accident would not have occurred. Inspection and inquiry made.
96	14th November, 5-30 P.M.	Lutchipur mine, Sitarampur P. O., Bengal.	Burrakur Coal Co., Ld.	Mongla Manjhi, (m.), 16, Coal-cutter.	Coal	A miner passed through a fence to load loose coal. Whilst doing so, a mass of side coal, 7' x 6' x 1' 6", fell from the side and fatally injured him. Inspection and inquiry made.
97	11th December, 9 A.M.	Jinagora mine, Jharia P. O., Bihar and Orissa.	New Jinagora Coal Co., Ld.	Bhim Kora, (m.), 38, Coal-cutter.	Coal	At the commencement of the extraction of a pillar in a seam 10 feet thick, coal was being cut by three miners from one of the corners of the pillar when a mass of coal, 8' x 4' x 12", fell from the side. One of the men was buried and fatally injured. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
<i>(b) Falls of Sides—(59 deaths)—concl'd.</i>						
98	14th December, 4 A.M.	Victoria mine, Kulti P. O., Bengal.	New Birbhun Coal Co., Ltd.	Maina Mejhian, (f.), 18, Labourer.	Coal	A female loader was severely injured by a mass of some 10 cwt. of coal which fell upon her from the side of a pillar of coal, 9 feet high. She died two days later. There was a strong suspicion that at the time of the accident she was loading coal which had been illegally cut from the side of the pillar. Inspection and inquiry made.
99	16th December, 4-30 P.M.	Karharbari mine, Giridih P. O., Bihar and Orissa.	East Indian Railway.	Madhu Gope, (m.), 45, Coal-cutter.	Coal	Whilst miners were engaged in extracting a pillar of coal, roof "weight" was heard in an adjacent goaf. The sirdar withdrew the men but one of them returned to recover a tool, and was killed instantly by a mass of coal and stone weighing about one ton which fell from the side of the pillar. Inspection and inquiry made.
100	19th December, 8-30 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ltd.	Sova Khar, (m.), 31, Miner.	Silver-Lead.	A miner was setting timber in an underhand stope when he was struck on the head and fatally injured by a fall of ore weighing about $\frac{1}{2}$ ton, from a height of about 5 feet. Inspection and inquiry made.
101	28rd December, 4-15 P.M.	Bagdiggi mine, Jharis P. O., Bihar and Orissa.	Villiers, Ltd.	Chota Khedan Bhuiya, (m.), 28, Timberman.	Coal	In a gallery, 30 feet high, a gang of persons was preparing to re-set some props which had been dislodged during blasting, when a mass of coal, weighing about 3 tons, fell from the side of a pillar from between two "slips" at a height of 24 feet. One of the men was killed on the spot and another was seriously injured. Inspection and inquiry made.
102	24th December, 3-30 P.M.	Lodna (Nos. 4 & 5 Pits) mine, Jharis P. O., Bihar and Orissa.	Lodna Colliery Co., (1920), Ltd.	Bangali Mallick, (m.), 20, Labourer.	Coal	Whilst a workman was cleaning out the "cuttings" in a machine-cut gallery he was fatally injured by a mass of undercut coal, weighing about 7 tons, which fell from between two concealed "slips". After the accident a system of supporting undercut coal by wedges was introduced. Inspection and inquiry made.

IN SHAFTS (OVERWINDING)—(1 death).

103	12th October, 11-30 A.M.	Adjai Second mine, Charanpur P. O., Bengal.	Adjai Second Coal Co., Ltd.	Gajoo Manjhi, (m.), 35, Syker.	Coal	An experienced winding engine-man lost control of a sinking bucket and lowered it violently to the bottom of a shaft, 75 feet deep, where 12 persons were at work. The bucket struck one of the men and fatally injured him. Inspection and inquiry made.
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IN SHAFTS (WHILST ASCENDING OR DESCENDING BY MACHINERY)—(2 deaths).

104	25th January, 10-30 A.M.	Kendwadih mine, Jalagora P. O., Bihar and Orissa.	Hurriladih Coal Co., Ltd.	Bankar Manjhi, (m.), 23, Coal-cutter.	Coal	Whilst descending a shaft, 230 feet deep, deceased fell from the cage to the bottom of the shaft. He was killed instantly. One of the rigid gates fitted to the cage in conformity with the Regulations had become damaged and had been replaced temporarily by a chain. Inspection and inquiry made.
105	4th May, 4-30 A.M.	Bararee mine, Jalagora P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Budri Singh, (m.), 32, Coal-cutter.	Coal	Whilst deceased was ascending a shaft, 300 feet deep, he fell from the cage to the shaft bottom and was killed instantly. Inspection and inquiry made.

IN SHAFTS (FALLING DOWN SHAFTS)—(4 deaths).

106	16th May, 11-20 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ltd.	Ai Hone, (m.), 31, Miner.	Silver- Lead.	A gang of four miners was engaged in installing a ladder-way in a winze. Owing to the breakage of a rope two of them were precipitated down the winze, a depth of 50 or 60 feet, one receiving serious and the other fatal injuries. The inquiry disclosed the fact that the operation was not being conducted under expert supervision, and that those engaged on the work were not properly informed as to the method of procedure. Inspection and inquiry made.
107	22nd June, 12-45 P.M.	Mawsons mine, Bawsaing P. O., Burma.	Steel Brothers & Co., Ltd.	Mg Htaik, (m.), 22, Timberman.	Lead- Silver.	Whilst at work in a shaft, 332 feet deep, a timberman lost his footing and, falling to the bottom of the shaft, was killed.
108	30th June, 4 to 5 A.M.	Newton Chickil mine, Parasia P. O., Central Provinces.	Newton Chickil Collieries, Ltd.	Sura Parsad, (m.), 20, Labourer.	Coal	The body of deceased was found at the bottom of a shaft, 145 feet deep. He had been employed at night in removing ashes from a boiler near the top of the shaft. It was presumed that he had been sleeping on the top of the walling surrounding the shaft. To reach this place it was necessary to cross a triple wire fence. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
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IN SHAFTS (FALLING DOWN SHAFT) (4 deaths)—contd.

109	21st November, 2 P.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Raneegunge Coal Association, Ltd.	Saina Bux, (m.), 88, Shaftman.	Coal	In the process of greasing a winding rope a shaftman was standing on two planks supported by two girders placed across the top of a shaft 16 feet in diameter and 500 feet deep. The ascending skip at the other side of the shaft was not stopped in time; it struck the girders and upset the scaffold causing the man to be precipitated to the bottom of the shaft. The accident was directly due to the negligence of the signalman, but a more secure scaffold should have been used. Inspection and inquiry made.
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IN SHAFTS (THINGS FALLING DOWN SHAFT)—(2 deaths).

110	16th February, 4 A.M.	Pinalgoria mine, Nawagarh P. O., Bihar and Orissa.	Jivan Gangji	Goorooji, (m.), 43, Sinker.	Coal	The debris from a sinking shaft, 60 feet deep, was being raised in a cane basket which was suspended from the rope by two loops of iron wire $\frac{1}{4}$ inch thick. As a loaded basket was being raised one of the wires broke and the contents of the basket fell out. Deceased was struck on the head by a piece of stone weighing about 20 lbs. and was killed instantly. A stronger material should have been used for attaching the basket to the rope. Inspection and inquiry made.
111	24th November, 5 P.M.	Gazlitan mine, Sijua P. O., Bihar and Orissa.	New Manbhumi Coal Co., Ltd.	Mongru Bhuiya, (m.), 29, Trolleyman.	Coal	A trolleyman was about to pull out an empty tub from a cage standing at the bottom of a shaft, 340 feet deep, when he was struck on the head by a piece of coal, weighing 4 lb. which had fallen from the surface. He was killed instantly. If the clearance between the protective roofing and the cages had been less, the accident would probably have been avoided. Inspection and inquiry made.

IN SHAFTS (MISCELLANEOUS)—(1 death).

112	16th July, 9-30 A.M.	Khas Jiuagora, Jharia P. O., Bihar and Orissa.	G. P. C. and Co.	Gagu Bha, (m.), 22, Surface apprentices.	Coal	Deceased put his head into a cage which was just being lowered from the pit bank at the top of a winding shaft. His head was crushed between the top of the cage and the landing platform and he was killed instantly. Inspection and inquiry made.
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SUFFOCATION BY GASES—(9 deaths).

113	26th May, 12-30 A.M.	Bawdwin mine, Nanta P. O., Burma.	Burma Corporation, Ld.	Dasi Bohra, (m.), 26; Dhauri Bohra, (m.), 23; Gardin, (m.), 81; Taguwar, (m.), 26; Niban Chandra Dey, (m.), 28; .. Miners.	Silver- lead.	The deceased were employed in the face of a drive. A fall of ground occurred which completely cut off their only means of egress. The hot gases from a sealed-off fire filtered into the space in which they were imprisoned and they were suffocated before it was possible to liberate them. Inspection and inquiry made.
114	27th June, 7 A.M.	Harraya mine, Tieri P. O., Bihar and Orissa.	F. F. Christian & Co., Ld.	Sumar Roy, (m.), 35, Sirdar; Naroo Roy, (m.), 20, Driller; Daulat Roy, (m.), 45, Agricultural labourer.	Mica	A Sirdar accompanied by a miner descended a disused shaft, 40 feet deep, and was overcome by foul gas. The miner attempted to help the Sirdar and was himself overcome. The father of the miner subsequently went down to the rescue and was in his turn overcome. If the simple precaution of lowering a light to test the air had been taken the accident would have been avoided. Inspection and inquiry made.
115	16th July, 5 P.M.	Sor Range (Lease No. 11) mine, Quetta P. O., Baluchistan.	Essajee & Sons.	Aslam, (m.), 40, Coal-cutter	Coal	Deceased entered a gallery which had been fenced on account of an accumulation of black damp from an adjoining goaf. He was suffocated. Inspection and inquiry made.

BY EXPLOSIVES—(27 deaths).

116	21st January, 8-30 A.M.	Kendwadih mine, Kusunda P. O., Bihar and Orissa.	East Indian Co., Ld.	Coal	Chinta Gope, (m.), 35; Dhajoo Rai, (m.), 25, Coal-cutters; Manoo Rai, (m.), 30, Shot-firer.	Coal	A shot-firer and three other persons were engaged in blasting down overhanging coal from the corner of a pillar. The shot-hole was near the roof of the working, and access to it was obtained by means of a ladder. After the fuse had been lighted and the ladder removed, but before they had reached a place of safety, the charge exploded and the blasted coal was thrown over them. Chinta Gope was killed instantly, Dhajoo Rai succumbed to his injuries two hours later and the shot-firer died two days later. If a longer fuse had been used the accident would probably have been avoided. Inspection and inquiry made.
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APPENDIX II—contd.

Fatal Accidents during the year, 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
BY EXPLOSIVES—(27 deaths)—contd.						
117	21st January, 1-30 P.M.	Bhajperi mine, Parasia P. O., Central Provinces.	Amalgamated Coal- fields, Ltd.	Mangal Singh, (m.), 28, Coal-cutter.	Coal	In an underground pillar cutting section of a mine a shot- firer lighted three shots. After two had exploded he moved away a short distance, and before the third shot went off a miner returned to the place. When the third shot exploded the miner was fatally injured. Inspection and inquiry made.
116	10th February, 7-30 A.M.	Gua mine, Mahudi P. O., Bihar and Orissa.	Indian Iron and Steel Co., Ltd.	Lobin, (m.), 40, Labourer.	Iron Ore	During blasting operations deceased, who had taken refuge behind a building at a point about 450 feet away, was struck on the head by a piece of ore weighing about 5 lb. which have penetrated the iron roof of the building. He sustained fatal injuries. Inspection and inquiry made.
119	10th March, 12-15 A.M.	Bonahir mine, Jharis P. O., Bihar and Orissa.	Standard Coal Co., Ltd.	Niamat Meah, (m.), 45, Sirdar.	Coal	A Sirdar on his rounds, in taking a shortcut to some working places, went through a fence and came to a place where a shot had been lighted. The shot went off, and he was fatally injured. Had deceased travelled by the usual road or had the appro- ches been sufficiently watched the accident would not have occurred. Inspection and inquiry made.
120	8th April, 4-30 P.M.	Mokpalin mine, Mokpalin P. O., Burma.	Government of Burma, P. W. Department.	Chit Hla, (m.), 20, Quarryman.	Stone	A quarryman rammed a drill into an old shot-hole for the purpose of ascertaining its depth, when an explosion occurred, and he received fatal injuries. A fellow workman sustained serious injuries. Inspection and inquiry made.
121	14th April, 5-30 P.M.	East Barkuhi, Parasia P. O., Central Provinces.	Syed Hazi Zahir- uddin.	Ratiram Gond, (m.), 25, Coal-cutter.	Coal	One of two gunpowder shots in a gallery failed to explode, and the shotfirer put up a temporary fence and warned all persons in the neighbourhood. Deceased disregarded the warning and entered the place. The charge exploded and he sustained fatal injuries. Inspection and inquiry made.

123	10th June, 12 A.M.	Netra mine, Katanghari P. O., Central Provinces.	Indian Manganese Co., Ltd.	Sukka, (m.), 30, Wadesi, (m.), 35, Labourers.	Manga- nese.	Whilst a number of persons were employed in removing stone after blasting in a quarry a blow from a crowbar used by one of them brought about the explosion of the residue of a partly exploded charge of dynamite. Sukka succumbed to his injuries within an hour and Wadesi died seventeen days later; one person was seriously injured and four others received minor injuries. Inspection and inquiry made.
123	18th July, 6-30 A.M.	Bhulanbararee mine, Pathardih P. O., Bihar and Orissa.	Bhulanbararee Coal Co., Ltd.	Behari Kol, (m.), 35, Coal-cutter.	Coal	Deceased was making up gunpowder into cartridges on the verandah of his dwelling. A spark from a nearby fire ignited the powder and he received injuries in the form of severe burns, from which he died on the following day. Inspection and inquiry made.
124	18th July, 9-30 A.M.	Mudidih mine, Sijna P. O., Bihar and Orissa.	Burrakur Coal Co., Ltd.	Ghubigar Kanu, (m.), 35, Coal-cutter.	Coal	A miner was drying gunpowder over a fire in a dwelling house, when the powder became ignited, and he sustained fatal burning injuries. Taking gunpowder into a dwelling is against the Regulations. Inspection and inquiry made.
125	30th July, 6-30 P.M.	Udwada mine, Udwada P. O., Bombay.	Bombay, Varoda and Central India Railway Co.	Beraji Kanji, (m.), 26, Manager.	Stone	The manager of a stone quarry, after giving orders for blasting, was on his way home when at a distance of about 600 feet from the mine he was struck on the head and fatally injured by a fragment of rock projected by a blast. Inspection and inquiry made.
126	26th August, 9-45 A.M.	Kachhidhana mine, Saonor P. O., Central Provinces.	Indian Manganese Co., Ltd.	Iyappan Tian, (m.), 35, Driller.	Manga- nese.	Whilst a driller was clearing out broken rock from the socket of a shot hole, the residue of the charge exploded. He was fatally injured. Tampering with sockets left after blasting is a breach of the Regulations. Inspection and inquiry made.
127	18th October, 1-30 P.M.	Kyauktalone mine, Kyauktalone P. O., Burma.	Ibrahim Contractor	Halu, (m.), 35; Mg. Kan Gyi, (m.), 17; Nagia Raja, (m.), 32; Mg. Aung Shwe, (m.), 25; Mg. Pa Pa, (m.), 18; Anando, (m.), 60; Labourers. Fazil Mohamed, (m.), 25, Blasting Jema- dar.	Lime- stone.	During the preparation of blasting charges in a quarry an explosion of 15 lb. of gelignite occurred. Six persons were killed, one was fatally injured and eighteen were seriously injured. Although the precise cause could not be ascertained, there is no doubt that had operations been conducted in accordance with the requirements of the regulations the accident would have been avoided. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1927—*contd.*

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
BY EXPLOSIVES—(27 deaths)—<i>contd.</i>						
129	14th October, 1-15 p.m.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Barrakur Coal Co., Ld.	Dayal Singh, (m.), 40, Coal-cutter.	Coal	In a gallery, 7 feet high, in which roof coal, 7 feet thick, was being blasted down two shots of country gunpowder were being fired near the roof. Ladders were used and whilst they were being removed one of the shots exploded. No one was injured by this explosion, but all lights were extinguished, and in the confusion which resulted one of the men ran back to the place and was killed instantly by the coal which fell when the second shot exploded. It was presumed that one of the fuses used had been too short. Inspection and inquiry made.
129	20th October, 3-30 p.m.	Kustoro mine, Kusunda P. O., Bihar and Orissa.	Raneengunge Coal Association, Ld.	Jhuban Dasadh, (m.), 45, Stone-cutter.	Coal	Whilst a miner was wedging up floor coal he drove the wedge into the unexploded residua of a charge of gelignite. An explosion resulted and he was fatally injured. Inspection and inquiry made.
130	27th October, 12 noon.	Patrahin mine, Tiari P. O., Bihar and Orissa.	J. S. Mull & Co.	Ghansyam Roy, (m.), 22, Miner.	Mica	Twenty-five shots had been fired at the bottom of an inclined shaft, 250 feet deep. On the following morning, whilst a miner was operating a compressed air drill, the point of the latter penetrated a charge which had misfired on the previous evening. The charge exploded, and the miner was killed instantly. Another miner was seriously injured. When electric detonators are not used twenty-five shots is too many to fire at one time. Had a fewer number been fired and the reports properly counted, the accident would have been avoided. Inspection and inquiry made.
131	21st December, 11 p.m.	Teetulmuri mine, Sijua P. O., Bihar and Orissa.	Barrakur Coal Co., Ld.	Nauka Mandal, (m.), 30, Stone-cutter.	Coal	Two stone cutters commenced to drill in the socket of an old shot-hole in which, unknown to them, part of a charge of dynamite had remained unexploded. An explosion occurred and the drill, which was projected from the hole with great force, pierced one of them and killed him instantly. Inspection and inquiry made.

182	28rd December, 4 A.M.	Sendra-Bansjora mine, Bansjora P. O., Bihar and Orissa.	Sendra-Bansjora Colliery Syndicate.	Fulsa Bilaspuri, (m.), 40, Sirdar.	Coal	After igniting a shot a sirdar waited a few minutes and then returned to the place presuming that the shot had misfired. The shot exploded and he was killed by the coal which was blown down. Inspection and inquiry made.
183	31st December, 12-15 P.M.	New Sindih Mine, Katrasgarh P. O., Bihar and Orissa.	New Sindih Coal Co., Ld.	Jageswar Singh, (m.), 34, Stone-cutter.	Coal	In a gallery in which a charge of explosive had misfired a miner had been ordered and had commenced to drill a relieving hole when an explosion occurred and he was fatally injured. It was presumed that he had been attempting to withdraw the misfired charge. Inspection and inquiry made.
HAULAGE—(24 deaths).						
184	1st January, 1-30 P.M.	Jatachappa mine, Parasia P. O., Central Provinces.	Amalgamated Coal- fields Ld.	Samalia Badai, (m.), 38, Labourer.	Coal	Instead of sheltering in the adjacent manhole deceased stood between a tramline and the side of an underground road while two loaded and spragged tubs were being brought down a grade. The front tub struck a rail lying by the side of the track, and derailed. Its contents were thrown over deceased causing injuries from which he died within a few hours. Inspection and inquiry made.
185	8th January, 9 A.M.	Victoria Mine, Kulti P. O., Bengal.	New Beerbhoom Coal Co. Ld.	Badani Mejhian, (f.), 23, Coal-carrier.	Coal	Whilst proceeding along an underground tramline on the way to her working place deceased was knocked down by a moving tub. She sustained a fractured skull and died twenty seven hours later. Inspection and inquiry made.
186	22nd January, 6 A.M.	Kustore Mine, Kusunda P. O., Bihar and Orissa.	Raneegunga Coal Association, Ld.	Darogi Boy, (m.), 38, Trolleyman.	Coal	Whilst deceased was pushing a loaded mine car down a gradient of 1 in 100 a second loaded car gravitated after him, and his leg was crushed between the buffers of the two cars. He died 5 days later. If the brake had been applied to the rear car the accident would not have occurred. Inspection and inquiry made.
187	1st February, 8 A.M.	Chowrasie Mine, Dishergarh P. O., Bihar and Orissa.	Equitable Coal Co., Ld.	Radhapada Singh, (m.), 25, Hookman.	Coal	Deceased was riding on a set of tubs without permission, when, owing to the breakage of a coupling, he was jerked off and run over, receiving injuries which proved fatal. Inspection and inquiry made.
188	1st February, 12 mid-day.	Bilbera Mine, Katrasgarh P. O., Bihar and Orissa.	Bilbera Coal Con- cern.	Parmashwar Lall Bishior, (m.), 28, Manager.	Coal	Whilst a train of six empty tubs was being lowered down an incline the first three tubs became derailed. Deceased was crushed between the tubs and the side of the road, and sustained injuries to which he succumbed two hours later. Deceased was the manager of the mine. He should have got into a manhole whilst the train was being lowered. Inspection and inquiry made.

APPENDIX II—*contd.*

List of Fatal Accidents, 1927—*contd.*

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
HAULAGE—(24 deaths)—<i>contd.</i>						
139	7th February, 1-0 P.M.	Jamadoba mine, Jealgora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Hurus Jatwa, (m.), 25, Hookman.	Coal	Two empty 2½-ton mine cars were uncoupled from a haulage rope and left standing with brakes on, on a slope of 1 in 18. Two more empty cars, which were being lowered down the road, bumped into the stationary cars and caused them to run wild. Deceased was struck by the runaway cars and fatally injured. The empty cars should have been lowered into the siding provided for the purpose and not left on the haulage slope. Inspection and inquiry made.
140	9th February, 10-30 A.M.	Jitpur mine, Jealgora P. O., Bihar and Orissa.	Bongal Iron Co., Ld.	Umesh Chandra Sen Gupta, (m.), 37, Surreypr.	Coal	Whilst a set of 7 loaded tubs was being hauled up a road with a gradient of 1 in 7, the two sections of the draw-bar of the second tub became disconnected, due to the cotter pin securing the connecting pin of the draw bar slipping out. The six loaded tubs ran back over the drag—a distance of 30 feet, and deceased, whilst attempting to get clear, was struck by them. He succumbed to his injuries two hours later. Had deceased remained behind the "stop-prop," where he was standing when the set broke loose, he would have been safe. Inspection and inquiry made.
141	9th March, 11-30 A.M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Turai Passi, (m.), 35, Hookman.	Coal	A train of loaded tubs was being raised up a steep haulage road, and deceased was riding in front of it with his foot on the haulage rope. As the train rounded a curve the release of the rope from a roller caused a jerk which threw deceased against the front tub of the train. He sustained spinal injuries to which he succumbed six days later. Had deceased not disobeyed the standing orders prohibiting riding on tubs the accident would not have occurred. Inspection and inquiry made.

143	14th March, 2 P.M.	Gandhala mine, Dandot P. O., Punjab.	Pandit Gian Chand	Faqir, s/o Nawab, (m.), 18, Mule Driver.	Coal	A driver slipped and fell in front of a mule drawing two loaded trams on an underground road with a slight down gradient. He was run over and sustained injuries to which he succumbed shortly afterwards. Inspection and inquiry made.
143	5th April, 1 A.M.	Malkera mine, Katrasgarh P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Babulal Dosad, (m.), 47, Door-man.	Coal	It was the duty of deceased to open and shut a ventilation door on a haulage slope. On this occasion he failed to open the door, and a descending train forced it open. He was struck by the door and fatally injured. Inspection and inquiry made.
144	5th May, 6-30 A.M.	Gopalichuck (Head) mine, Jharia P. O., Bihar and Orissa.	Gopalichuck Coal Co., Ltd.	Burja Kabhar, (m.), 15, Labourer.	Coal	Whilst walking on a tram line underground deceased was struck by a tub which was being pushed by another miner. He was seriously injured and pneumonia supervening, died six days later. Inspection and inquiry made.
145	7th May, 4-30 A.M.	Jamadoba mine, Jalgora P. O., Bihar and Orissa.	Tata Iron and Steel Co., Ltd.	Sonesai Chamar, (m.), 35 Coal-cutter.	Coal	Whilst a miner was assisting to push a 8-ton wagon along a level underground he was run into from behind by another wagon which had not been properly braked. He was crushed between the two wagons and fatally injured. Had the wagon been properly braked or had deceased been pushing at the side instead of behind and between the rails the accident would not have occurred. Inspection and inquiry made.
146	2nd June, 1 A.M.	Ekra Khas mine, Bansjora P. O., Bihar and Orissa.	Maharaja of Kasim- bazar.	Nunku Kabhar, (m.), 35, Hookman.	Coal	Deceased was riding on a train of tubs which was being drawn out of an incline, when he fell and was run over by the leading tub. He sustained injuries which proved fatal. Riding on tubs is prohibited. Inspection and inquiry made.
147	23rd June, 8 P.M.	Bhalgora mine, Jharia P. O., Bihar and Orissa.	Bhalgora Coal Co., Ltd.	Sahangu Koiri, (m.), 33, Signal-man.	Coal	Whilst a train of 8 loaded tubs was being hauled round a curve from a level landing on to a haulage slope the rope broke, and the train ran backwards for a distance of 15 feet where it was derailed, and two tubs were overturned. Deceased who was standing in the landing near the signal lever was struck by flying pieces of coal and fatally injured. Inspection and inquiry made.
148	30th June, 10-30 A.M.	Kendwahh mine, Kusunda P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Bausi Rai, (m.), 30, Coal-cutter.	Coal	Owing to the pin of a shackle falling out and the overriding of the drag, eight tubs of a train of nine loaded tubs ran wild for a distance of 400 feet on a dip haulage road. A miner was run over and killed instantly. The fatality would not have occurred if the man had used the separate travelling road provided. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
HAULAGE—(24 deaths)—contd.						
149	7th September, 11-50 A. M.	Huntodih mine, Mohuda P. O., Bihar and Orissa.	Huntodih Coal Co., Ld.	Jagoo Barhi, (m.), 35, Labourer.	Coal	Whilst a train of ten empty tubs was being lowered down an incline, a coupling came off and eight of the tubs ran wild. Deceased, who was working in the incline between the second and third levels, was struck and killed instantly. Inspection and inquiry made.
150	20th September 12-30 P. M.	North Damuda, Nudkburkee P. O., Bihar and Orissa.	North Damuda Coal Co., Ld.	Ram Ranjan Gha- tak, (m.), 36, Tub checking clerk.	Coal	A train of eight loaded tubs was being raised up a haulage incline when the coupling of the second tub failed and seven tubs ran wild. A tub-checking clerk who was standing on the haulage road was crushed between a tub and the side of the road. He was seriously injured and died almost immediately. Had the coupling been in serviceable condition the accident would not have occurred. Inspection and inquiry made.
151	1st November, 1-30 P.M.	Jamadoba mine, Jaulgora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Shaik Ishak Momin, (m.), 23, Labourer.	Coal	As a locomotive coolie was stepping off a slowly moving mine car after applying the brakes, he fell and the front wheels ran over the fleshy part of his right thigh. His injuries were not serious but he died six days afterwards from septicaemia. Inspection and inquiry made.
152	24th November, 8 P.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Rancegunge Coal Association, Ld.	Abdul Halim, (m.), 40, Trolleyman.	Coal	Whilst a trolleyman was applying the brakes on a train of slowly moving mine cars, he slipped and fell. A car passed over the fleshy part of his right leg and caused injuries from which he died three days later. Inspection and inquiry made.
153	1st December, 11-55 P.M.	Ballihari mine, Kusunda P. O., Bihar and Orissa.	Ballihari Coal Co.	Shamial Dasadh, (m.), 45, Signalman.	Coal	A signalman left his lamp at the signal station and, with the object of expediting the traffic, was walking up an underground haulage road without a light when he was knocked down and killed by a loaded tub which was being lowered on the haulage rope. The accident would not have occurred if he had carried a light. Inspection and inquiry made.

154	23rd December, 8 A.M.	Nyades mine, Kusunda P. O., Bihar and Orissa.	Kosoonda and Nyades Collieries, Ld.	Daru Meah, (m.), 32, Trolleyman.	Coal	A loaded tub became detached from a haulage rope whilst it was being lowered down a road dipping at 1 in 12, and after running wild for 225 feet, it overturned and struck a trolleyman who was sleeping at the side of the road. He was fatally injured and died two and half hours later. Inspection and inquiry made.
155	25th December, 3 A.M.	Dishergarh mine, Dishergarh P. O., Bengal.	Equitable Coal Co., Ld.	Jada Bauri, (m.), 30, Tramer.	Coal	Although warned to stand clear of the rails deceased failed to do so and was run into by a train of loaded tubs which was being lowered on an underground self-acting incline. He was fatally injured. Inspection and inquiry made.
156	26th December, 8 P.M.	Dongar Chickli mine, Peach P. O., Central Provinces.	Amalgamated Coal- fields, Ld.	Ramjan Mussal- man, (m.), 14, Labourer.	Coal	Owing to a miscoupling the two loading tubs of a train of four tubs ran wild from the top of an underground haulage slope. Deceased who was crossing the road at a point some 500 feet below the top of the slope, was run over and killed. A runaway point was provided, but the bankaman lost his head and kept the point closed. Inspection and inquiry made.
157	30th December, 5 P.M.	Bokaro mine, Bokaro P. O., Bihar and Orissa.	East Indian and Bengal Nagpur Railways.	Laloo Singh, (m.), 27, Trolleyman.	Coal	A haulage hand on a surface tramway after placing sprags in the wheels of a train of eight wagons moving under the force of gravity, jumped on behind the last wagon. A derailment brought the train to a sudden stop, and the man was thrown against the end of the wagon with such violence that he sustained internal injuries which caused death on the next day. Bidding on the tubs was a breach of standing orders. Inspection and inquiry made.
BY UNDERGROUND MACHINERY- (3 deaths).						
158	10th March, 11-30 P.M.	Sutikdih mine, Pathardih P.O., Bihar and Orissa.	Sutikdih Coal Co., Ld.	Shaikh Talwa, (m.), 23, Machineman.	Coal	Whilst a bar coal-cutter was cutting across a gallery the bar holed through into a part which had previously been undercut and the machine swung round. Deceased, who was standing near the side of the machine, was caught by the revolving bar and his legs were severed. He died eight hours later. Greater care on the part of the machine driver would have prevented the accident. Inspection and inquiry made.
159	1st August, 5-30 P.M.	Jamadoba mine, Jaugora F.O., Bihar and Orissa.	Tata Iron and Steel Co., Ld.	Hakim Meah, (m.), 30, Pump-man.	Coal	A pump attendant was on duty at an electric pump when in some manner which could not be definitely ascertained his foot was caught in the gearing of the pump. Tetanus supervened and he died ten days later. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
BY UNDERGROUND MACHINERY—(8 deaths)—contd.						
160.	15th November. 12-30 P.M.	Methani mine, Sitarampur P.O., Bengal.	Ardih Coal Co., Ld.	Arjatali Meah, (m.), 35, Machineman.	Coal	Whilst a coal-cutting machine was "sumping in" at the side of a gallery the bar swung out knocking down deceased and the stay prop he was holding. He was killed instantly by the revolving picks. Inspection and inquiry made.
SUNDRIES UNDERGROUND—(20 deaths).						
161	26th January, 4 P.M.	Jojohatu mine, Chaibassa P.O., Bihar and Orissa.	Harkarandass Maugilal	Rengoo Hoo, (m.), 37, Labourer.	Chromite	While assisting in rolling a heavy boulder down a slope, deceased fell in front of it and was fatally crushed. Inspection and inquiry made.
162	6th February, 12-5 A.M.	Bawdwin mine, Namtu P.O., Burma.	Burma Corporation, Ld.	Shan Hwa Chi, (m.) 21, Miner.	Silver- lead.	A miner was standing on a heap of ore in a stope attempting to free it and cause it to move through an aperture in the cribbing into the chute. Suddenly the entire mass commenced to move, and he was carried along with it into the chute, down which he fell. He received fatal injuries. Inspection and inquiry made.
163	11th February, 2-30 P.M.	Lodna mine, Jharin P.O., Bihar and Orissa.	Lodna Colliery Co., (1920), Ld.	Neria Rajawarin, (f.), 17, Coal-carrier.	Coal	Whilst deceased was carrying a piece of coal, weighing about 50 lb., the coal touched a prop, causing her to over-balance and fall. The coal fell upon her and she sustained internal injuries from which she died two days later. Inspection and inquiry made.
164	22nd February, 2 A.M.	Chota Dhemo mine, Sitarampur P.O., Bengal.	Bengal Coal Co., Ld.	Thenais Dasadh, (m.), 25, Coal-cutter.	Coal	Whilst deceased was taking down roof coal he levered down the coal on which rested the ladder on which he was standing. He fell to the ground—a distance of 7 feet—and received injuries from which he died four days later. Inspection and inquiry made.
165	20th March, 1-30 A.M.	Babisole mine, Raniganj P.O., Bengal.	Baraboni Coal Con- cern, Ld.	Khandi Mejhian, (f.), 16, Coal-carrier.	Coal	Whilst carrying on her head a lump of coal in an under-ground gallery, deceased lost her balance and fell. The piece of coal struck her forehead, inflicting injuries which terminated fatally three days later. Inspection and inquiry made.

166	24th March, 1-25 P. M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Amer Singh, (m.), 30, Miner.	Silver- Lead.	In an open excavation on the side of a hill four workmen were barring down rock on a ledge 2 feet wide and 30 feet above ground level, when one of them lost his balance and fell down the face of the quarry. He sustained fatal injuries. With the object of avoiding such accidents ledges are now being made wider. Inspection and inquiry made.
167	10th April, 8-30 A. M.	Kargali mine, Bokaro P. O., Bihar and Orissa.	Great Indian Penin- sula Railway.	Chandu Chamar (m.), 25, Coal-cutter.	Coal	A miner was working on a ledge in a quarry when his foot slipped and he fell over backwards from a height of 33 feet. He was killed instantly. Inspection and inquiry made.
168	24th May, 2 P. M.	Kohinoor mine, Bhojudih P. O., Bihar and Orissa.	Ram Gopal Show Ratan Mohta.	Jhali Gowalin, (f.), 35, Labourer.	Coal	Deceased attempted to draw water from an accumulation of water in the face of a gallery in a steeply inclined coal seam. She slipped into the water and was drowned. If a proper fence had been erected, the accident would, in all probability, have been avoided. Inspection and inquiry made.
169	18th June, 12 noon.	Taungpila mine, Tavoy P. O., Burma.	Quah Cheng Guan	Hasterbahadur Groom. (m.), 28, Miner.	Tin & wolfram.	During a severe storm, a tree in the vicinity of a sluicing cutting was blown over, and killed one of a gang of men working in the cutting. Inspection and inquiry made.
170	24th June, 9 A. M.	Hsaikhao mine, Namtu P. O., Burma.	Burma Corporation Ld.	Leo Lee, (m.), 30, Miner.	Limes- stone.	A miner was drilling a shot-hole on a ledge in a quarry, when he fell from a height of 6 feet, receiving fatal injuries. Inspection and inquiry made.
171	30th June, 12-36 P. M.	Charanpur mine, Charanpur P. O., Bengal.	Apcar Collieries, Ld.	Chaturi Pashi, (m.), 40, Coal-cutter.	Coal	A miner was holding a light whilst another miner was levering down some coal from the side of a pillar. A mass of coal, weighing about one ton, suddenly fell away from a height of 6 feet, and knocked out a prop which displaced another prop. The miner was struck by the second prop and killed on the spot. Inspection and inquiry made.
172	18th July, 6-45 P. M.	Bansdeopur mine, Kununda P. O., Bihar and Orissa.	Bansdeopur Coal Co., Ld.	Randho Mojhan, (f.), 25, Coal-carrier.	Coal	Deceased was walking up a haulage road behind a train of tubs when the rear tub of the train became detached and commenced to run back. In attempting to reach a place of safety she stumbled and struck her head against the side of the road receiving fatal injuries. Inspection and inquiry made.
173	17th July, 8-30 A. M.	Taungzun mine, Thaton P. O., Burma.	Osman Mustikhan.	Po Tha, (m.), 37; Tun Sein, (m.), 22, Quarrymen.	Stone	Two quarrymen were drilling a shot-hole on a face of rock 30 feet above the floor of a quarry when one of them slipped and fell. In attempting to save him, the other man also fell. Both received fatal injuries. Had they made use of the rope provided, the accident would not have occurred. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
SUNDRIES UNDERGROUND—(20 deaths)—contd.						
174	12th Agnet, 6-30 A.M.	Yinnyeiu mine, Yinnyeiu P. O., Burma.	Ibrahim	Anaman, (m.), 30, Quarryman.	Stone	Two miners were barring down stone from the face of a quarry when they overbalanced and fell from a height of 40 feet. One of them received serious and the other fatal injuries. Had they used the safety rope provided the accident would not have occurred. Inspection and inquiry made.
175	14th August, 2 A.M.	Darundapur mine, Nandi P. O., Beugal.	Bengal Coal Co., Ld.	Noroo Bauri, (m.), 25, Trammer.	Coal	Deceased and a companion had lifted one end of a pipe, 57 diameter × 17' long, when he slipped and fell with the pipe. He sustained a fractured skull and died some weeks later. Inspection and inquiry made.
176	4th September, 2-30 A.M.	Kajora mine, Ondal P. O., Bengal.	Maharaja of Kasimbazar.	Baroni Banrini, (f.), 30, Coal-carrier.	Coal	Whilst deceased was carrying a large lump of coal on her head, she slipped and fell down. In falling, the coal struck her on the head, causing injuries from which she died within a few hours. Inspection and inquiry made.
177	19th October, 10 A.M.	Khas Jhorria mine, Jharra P. O., Bihar and Orissa.	Khas Jhorria Colliery Co., Ld.	Jethoo Mahato, (m.), 40, Labourer.	Coal	A workman entered a gallery in which floor coal had been cut to a depth of 14 feet. As he did not take a light he fell over the edge of the floor coal and sustained fatal injuries. Inspection and inquiry made.
178	19th November, 12 noon.	Khas Jhorria mine, Jharra P. O., Bihar and Orissa.	Khas Jhorria Colliery Co., Ld.	Sankhatha Passi, (m.), 37, Coal-cutter.	Coal	A miner was taking down overhanging coal and stone from the side of a pillar, 30 feet in height, when the ledge on which he was standing broke away, and he fell to the floor—a distance of 21 feet. He was fatally injured. He should have dressed the overhanging coal from a ladder in accordance with instructions. Inspection and inquiry made.
179	21st December, 2-30 A.M.	Sadamdihi mine, Pathardih P. O., Bihar and Orissa.	G. A. Achard & Co., Ld.	Rakhai Moral, (m.), 38, Trolleyman.	Coal	Deceased was assisting in the re-railing of a loaded tub on a haulage road with a gradient of 1 in 1½, when a piece of coal rolled down the road and struck him on the head. He sustained injuries to which he succumbed twelve hours later. Inspection and inquiry made.

BY SURFACE MACHINERY—(6 deaths).

180	25th July, 1 A.M.	Bejdih mine, Sunderchack P. O., Bengal.	Equitable Coal Co., Ld.	R. Magan, (m.), 46, <i>Door attendant.</i>	Coal	Deceased was found dead inside the drum of a winding engine. It was presumed that he had gone inside the drum to sleep. When the engine was started he was whirled against the interior of the drum and killed. Inspection and inquiry made.
181	18th August, 9-45 A.M.	Argada mine, Bamgarh P. O., Bihar and Orissa.	Bengal Nagpur Railway Co.	Gopla Kumar, (m.), 16, <i>Labourer.</i>	Coal	Deceased, instead of using the ladder-way to go down to the ground level from the picking belt platform, attempted to descend by climbing over a girder frame-work. His clothing was caught by a set screw on a slowly revolving shaft and he was crushed against a wall. He sustained a fractured skull and died one hour later. Inspection and inquiry made.
182	24th August, 9-30 P.M.	Phularitand mine, Katrasgarh, P. O., Bihar and Orissa.	Baraboni Coal Concern, Ld.	Doli Mahato, (m.), 35, <i>Trammer.</i>	Coal	On a stormy night a trammer went through the fencing of a haulage engine and took shelter inside the drum. When the engine was set in motion he was fatally injured. Inspection and inquiry made.
183	29th October, 11-50 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Nandu Lal, (m.), 32, <i>Labourer.</i>	Silver- lead.	Deceased went through a fence into a motor-house and attempted to pass between a moving belt and the wall of the house. His clothes became entangled between the belt and the driving pulley, and he was thrown against the wall. He sustained fatal injuries. Inspection and inquiry made.
184	20th December, 11-30 P.M.	Sodepur mine, Sitarampur P. O., Bengal.	Bengal Coal Co., Ld.	Rojan Mesh, (m.), 33, <i>Labourer.</i>	Coal	Deceased went inside the fencing with the object of cleaning or oiling a small compressor. A loose scarf which he was wearing was caught by the coupling of the motor and wound round the shaft. He was thrown against a pipe and killed instantly. He should have switched off the current before attending to the engine. Inspection and inquiry made.

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ON SURFACE RAILWAYS AND TRAMWAYS BELONGING TO THE MINE—(16 deaths).

185	23rd January, 4 P.M.	Tutuguta mine, Chaibasa P. O., Bihar and Orissa.	Mangilal Marwari	Loka Tanti, (m.), 18, <i>Labourer.</i>	Manga- nose.	In attempting to jump on to a tub which other persons were pushing by hand deceased fell and was run over, sustaining injuries so severe that he died a week later. Inspection and inquiry made.
186	25th January, 7 P.M.	West Jamuria mine, Nandi P. O., Bengal.	West Jamuria Coal Co., Ld.	Lakhi Kole, (f.), 30, <i>Labourer.</i>	Coal	Whilst deceased was crossing the railway in a colliery siding she was knocked down by a loaded wagon and killed instantly. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
ON SURFACE RAILWAYS AND TRAMWAYS BELONGING TO THE MINE—(16 deaths)—contd.						
187	12th February, 11 A.M.	Tirody mine, Tirody P. O., Central Provinces.	Tirody Manganese Ore Co., Ltd.	Chaitram Kathia, (m.), 35, Trammer.	M a n g a- n e s e.	Deceased rode on the rear end of a moving tub which was followed by another tub moving a little faster. On seeing the latter coming close he tried to jump aside and in doing so slipped. His leg was crushed between the tubs and seriously injured. He died of blood poisoning four days later. Riding on tubs was contrary to standing orders. Inspection and inquiry made.
188	13th April, 8-30 A.M.	Kymore mine, Kymore P. O., Central Provinces.	Central Provinces Portland Cement Co., Ltd.	Bhagwandas Bindu, (m.), 20, Pointsmen.	L i m e - s t o n e s.	Deceased, whilst attempting to board a moving wagon, slipped and fell on the line. He was run over and received injuries to which he succumbed two days later. Inspection and inquiry made.
189	30th April, 2-10 P.M.	Sunkerpore mine, Ukbra P. O., Bengal.	Burn & Co., Ltd.	Raju Baurin, (f.), 38, Trammer.	Coal	Whilst deceased was pushing a loaded tub against a slight gradient on a surface tramway, the tub following behind overtook her and knocked her down. She sustained serious injuries and died two days later. Inspection and inquiry made.
190	31st May, 1 A.M.	Dhori mine, Bokaro P. O., Bihar and Orissa.	Bokaro & Ramgur Ltd.	Ful Singh, (m.), 50, Trammer.	Coal	At the top of a haulage slope a train of loaded tubs was allowed to gravitate along a siding where it bumped into other tubs standing in the siding. A trammer engaged in shunting operations was crushed between the tubs and fatally injured. Inspection and inquiry made.
191	16th July, 12-30 P.M.	Tirodi mine, Tirodi P. O., Central Provinces.	Tirodi Manganese Ore Co., Ltd.	Feran Bhuiya, (m.), 45, Trammer.	M a n g a- n e s e.	Two trammers were pushing a loaded tub of the tipping pattern when in rounding a curve the tub derailed and side-tipped. The head of one of them was crushed between the body of the tub and its frame, and he was fatally injured. Presumably they had omitted to fix the catches provided for the purpose of preventing premature tipping. Inspection and inquiry made.

192	3rd September, 5-30 P.M.	Bhangia Gurotote mine, Rohtas P. O., Bihar and Orissa.	Sono Valley Port- land Cement Co., Ld.	Jherua Newain, (f.), 35, <i>Labourer.</i>	L i m e stone.	Whilst walking along a surface tramline deceased was run over by a loaded wagon which was being pushed (by hand). Her injuries subsequently proved fatal.
193	10th September, 11-45 A.M.	Sitalpur mine, Dishergarh P. O., Bengal.	Bengal Coal Co., Ld.	Bira Turi, (m.), 15, <i>Coal-cutter.</i>	Coal	Whilst wagons were being handshunted on a railway siding, deceased attempted to pass between two wagons. He was crushed between the buffers and fatally injured. Inspection and inquiry made.
194	9th October, 6-30 P.M.	Noamundi mine, Mahudi P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.,	Sadhu Kole, (m.), 27, <i>Shunter.</i>	Iron ore.	Whilst deceased, assisted by other shunters, was placing a loaded wagon on a weigh-bridge his arm was crushed between a stationary wagon and the buffer of the moving wagon. He died twenty hours later. Inspection and inquiry made.
195	17th October, 10-30 A.M.	Katras mine, Katrasgarh P. O., Bihar and Orissa.	Barrakar Coal Co., Ld.	Somri Chamarin, (f.), 14, <i>Labourer.</i>	Coal	In a railway siding an empty wagon was pushed violently against two stationary wagons with a view to pushing forward the latter. The wagon recoiled and deceased was run over and killed instantly. Inspection and inquiry made.
196	1st November, 2 A.M.	Heinds mine, Tavoy P. O., Burma.	Anglo-Burma Tin Co., Ld.	Abdul Aziz, (m.), 32, Noor Jamma, (m.), 35, <i>Winchmen.</i>	Tin	A trolley on which five persons were riding ran amain down a surface haulage incline and overturned at the bottom. The occupants were hurled to the ground, two receiving fatal and the other three serious injuries. Riding on the trolley was not permitted. Inspection and inquiry made.
197	17th November, 8 P.M.	Sripur mine, Kalipahari P. O., Beugal.	Lodna Cellifery Co., (1920), Ld.	Jagan Bhuiya, (m.), 45, <i>Trolleyman.</i>	Coal	A trolleyman was pushing a loaded tub towards the foot of a mechanical creeper, when another loaded tub which was ascending the creeper ran backwards and collided with it. The tub was derailed and the trolleyman was fatally crushed between it and an upright stanchion. As the impact of the tub broke the safety appliance provided the grade of the track was afterwards reduced. Inspection and inquiry made.
198	23rd November	Gopalpur mine, Birbhum, Beugal.	Rajgaon Stone Co., Ld.	Budh Rai Majhi, (m.), <i>Trammer.</i>	Stone	Whilst pushing tubs on a surface tramway deceased was crushed between two tubs and fatally injured. Inspection and inquiry made.
199	27th December, 5 A.M.	Jannardeo mine, Jamai P. O., Central Provinces.	R. S. H. Verma and Munshi Kanhai- yalal, Ld.	Dayalal Kathia, (m.), 20, <i>Trammer.</i>	Coal	On a surface tram line on which the tubs are propelled by hand one tub overtook another and collided with it. The collision caused some of the coal in the following tub to be thrown off, and a lump of coal struck one of the trammers in the abdomen. He sustained internal injuries and died on the following day. Inspection and inquiry made.

APPENDIX II—*contd.*

List of Fatal Accidents, 1927—*contd.*

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
BY ELECTRICITY—(2 deaths).						
200	26th April, 6-30 P.M.	Bejdih mine, Sunderchak P. O., Bengal.	Equitable Coal Co., Ld.	Chotto Suka Majhee (m.), 21, <i>Haulage Khatari.</i>	Coal	Deceased was operating an electric haulage when due to sparking at switch contacts, an explosion of oil vapour in the switch occurred. He was fatally injured by pieces of glass blown out from the switch. The design of the switch was considered to be defective in certain respects. Inspection and inquiry made.
201	9th May, 11-30 P.M.	Jamadaha mine, Jalgora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Prem Roy, (m.), 26, <i>Coal-cutter.</i>	Coal	Deceased was electrocuted by accidentally coming in contact with an underground trolley-wire, under installation, which by the mistake of a coal cutting machineman, had been made "alive". The pressure was 250 volts d. c. Inspection and inquiry made.
MISCELLANEOUS ON SURFACE—(3 deaths).						
203	24th February, 5 A.M.	Kurharbaroo mine, Girdih P. O., Bihar and Orissa.	East Indian Rail- way.	Budhan Passi, (m.), 54, <i>Labourer.</i>	Coal	A labourer sleeping on the top of a heap of lime in a lime-store rolled off the heap and fell on a fire which he had lighted some hours previously. He sustained fatal burning injuries. Inspection and inquiry made.
203	17th March, 3 P.M.	South Bullari mine, Kusunda P. O., Bihar and Orissa.	East Indian Coal Co., Ld.	Garudayal Dosadh, (m.), 50, <i>Labourer.</i>	Coal	Whilst deceased was helping to demolish a line of coolie dwellings a portion of the roof collapsed, and he was buried. He died from injuries two hours later. If he had obeyed instructions and dismantled the roof first, he would not have been killed. Inspection and inquiry made.
204	19th April, 6 P.M.	Sripore mine, Kalipahari P. O., Bengal.	Lodna Colliery Co. (1920), Ld.	Sujad Ali, (m.), 35, <i>Mason.</i>	Coal	During the construction of a chimney, 130' x 5'—8' diameter, two masons were being lowered slowly in a bucket inside the chimney. When about 30 feet from the bottom of the chimney the bucket fouled a scaffolding pole and tilted, causing the men to fall out. Deceased succumbed to his injuries three hours later, and the other man sustained a fracture of the thigh. Had only one person been riding in the bucket, in accordance with orders, the accident would most probably have been avoided. Inspection and inquiry made.

205	7th June, 11-15 A.M.	Gua mine, Mahadi P. O., Bihar and Orissa.	Indian Iron & Steel Co., Ltd.	Satraghan, (m.), 30, Labourer.	Iron Ore	An attendant was standing on a wooden platform at the bottom of a self-acting skip-haulage incline when the skip became derailed and struck the platform with violence. He fell to the ground, 21 feet below, and sustained injuries which later proved fatal. Inspection and inquiry made.
206	15th June, 10 A.M.	Bagdigi mine, Jharis P. O., Bihar and Orissa.	Villiers Ltd.	Uman Dasadh, (m.), 18, Labourer.	Coal	Whilst deceased was jumping off a motor lorry which was used to transport coal from one part of the colliery to another, he stumbled and fell. One of the rear wheels of the lorry passed over his leg, causing fatal injuries. Inspection and inquiry made.
207	13th July, 11-30 A.M.	Sitalpur mine, Dishergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Gonesh Mahato, (m.), 35, Tramper.	Coal	A tramper on the screening plant at the top of a shaft was adjusting the position of a loaded tub on a tippler when another tub ran into him from behind. He was crushed between the two tubs and sustained injuries which led to his death nine days later. If deceased had used the sprags provided the accident would not have occurred. Inspection and inquiry made.
208	29th November, 5-30 A.M.	Chowrasia mine, Dishergarh P. O., Bihar and Orissa.	Equitable Coal Co., Ltd.	Bhima Bauri, (m.), 25, Banksman.	Coal	The packing of a steam joint blew out, and the escaping steam scalded a banksman who was lying asleep nearby. Inspection and inquiry made.
209	27th December, 4-15 P.M.	Heinda mine, Tavoy P. O., Burma.	Anglo-Burma Tin Co., Ltd.	Ah Hee, (m.), 48, Carpenter.	Tin	A structure, 250' x 30' x 25' high, consisting of wooden trestles and designed to carry a set of five sluice boxes was being erected when, owing to an insufficiency of longitudinal bracing, it collapsed. Eight carpenters at work on the structure were flung to the ground, 20 feet below, one of them being killed and four seriously injured. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1927—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Reason for exclusion.	Cause of accident and remarks.
FIGURES NOT INCLUDED IN THE STATISTICS—(35 deaths).							
1	7th January,	Minck mine, Sharigh P. O., Baluchistan.	Minck Colliery Co.	Bahin, (m.), 18.	Coal	Not employed.	Deceased was withdrawing timber in an abandoned adit when he was buried by a fall of roof. It was presumed that he was intending to steal the timber for domestic purposes. Inspection and inquiry made.
2	24th January, 4 A.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Raneegunge Coal Association, Ld.	Baldeo Dhanuk, (m.), 15, Coal-carrier.	Coal	Not a mining accident.	Whilst deceased was sleeping in his quarters near a fire his clothing caught fire and he was fatally burned. Inspection and inquiry made.
3	26th February, 4-30 A.M.	Gopalchuck Head mine, Jharis P. O., Bihar and Orissa.	Gopalchuck Coal Co., Ld.	Nathuni Dossan, (m.), 25, Trolleyman.	Coal	Not a mining accident.	Whilst deceased was warming himself at an open fire on the surface his clothing became ignited. He sustained severe burns on the body and died of shock nine hours later. Inspection and inquiry made.
4	4th March, 1 P.M.	Sania mine, Pandaveswar P. O., Bengal.	Sania Kendra Collieries Ld.	Dino Kole, (m.), 50, Coal-cutter.	Coal	Not a mining accident.	Whilst at work underground deceased collapsed and died from natural causes. Inspection and inquiry made.
5	17th March, between 12 noon and 5 P.M.	Chota Dhemo mine, Sitarampur P. O., Bengal.	Bengal Coal Co., Ld.	Damor Bhuiya, (m.), 35; Bandhia Bhuiyan, (f.), 30, Labourers.	...	Not a mining accident.	Whilst bathing in a quarry which was full of water and regularly used as a bathing tank the deceased were drowned. The bottom of the quarry had a gradual slope towards the centre. Inspection and inquiry made.
6	18th March	Pure Angarpathra mine, Katragarh P. O., Bihar and Orissa.	Pure Angarpathra Colliery Co.	Unknown, (m.), 60. Not employed.	Coal	Not employed.	Deceased was found drowned in an inoline cutting, 7 feet deep. The inoline was suitably fenced. Inspection and inquiry made.

7	19th March, 11-30 A.M.	Tonos mine, Toposi P. O., Bengal.	Bansra Coal Co., Ld.	Kunjia Hauri, (m.), 87, Trolleyman.	Coal	Not a mining accident.	Deceased was removing straw, saturated with kerosene, from a covered railway wagon when the straw became ignited. He was severely burned and died within a few hours. Inspection and inquiry made.
8	22nd March, 5 P.M.	Bhulanbararee mine Pathardih P. O. Bihar and Orissa.	Bhulanbararee Coal Co., Ld.	Charkoo Raj- war, (m.), 45, Earth- cutter.	Coal	Not a mining accident.	Deceased was one of a number of persons employed in removing a spoil-heap. After lifting a basket of debris on to the head of a follow-worker he sat down and died from heart failure. Inspection and inquiry made.
9	22nd April, 2 P.M.	Lalpath mine, Chanda P. O., Central Pro- vinces.	Diwan Bahadur Ballavdas & Sons.	Agati, (f.), 5.	Coal	Not em- ployed.	Deceased ran down an embankment, 8 feet high, into a heap of hot ashes, and was so severely burnt that she died seven hours later. Inspection and inquiry made.
10	25th May, 7 A.M.	Mosaboni mine, Mosaboni P. O., Bihar and Orissa.	Indian Copper Cor- poration, Ld.	Kutti Krishna Nair, (m.), 25, Machine- driller.	Copper	Not a mining accident.	Deceased had descended a well by means of a rope in order to recover a bucket. As he neared the top, he missed his hold and fell. He received injuries in falling, and was dead when his body was recovered. Inspection and inquiry made.
11	1st June	Gopalpur mine, Pakur P. O., Bengal.	Rajgaon Stone Co., Ld.	Maubodh, (m.),	Stone	Not em- ployed.	A trolley cooly employed by the East-Indian Railway was knocked down and ran over on a surface tramway. He sustained internal injuries and died shortly after. Inspection and inquiry made.
12	11th June, 7-30 A.M.	Tirody mine, Tirody P.O., Central Provin- ces.	Tirody Manganese Ore Co., Ld.	Hagu, (f.), 18.	Manga- nese	Not em- ployed.	An unemployed girl brought food to her brother who was at work in a quarry. She attempted to get up on a block of stone, 4' 6" x 3' x 2' 6", weighing about two tons; the stone rolled over and she fell with it, striking her forehead against its sharp edge. She sustained injuries from which she died within an hour. Inspection and inquiry made.
13	18th July, 9 A.M.	Gonsadiah mine, Kusnada P. O., Bihar and Orissa	Gonsadiah Coal Co.	Gangia (f.), 5.	Coal	Not em- ployed.	An empty wagon was being pushed along a railway siding when a small child attempted to cross the line and was run over and fatally injured. Inspection and inquiry made.
14	18th July, 11 A.M.	Shivrajpur mine, Shivrajpur P. O., Bombay.	Shivrajpur Syнди- cate, Ld.	Kalyani Bapa, (f.), 20, Labourer.	Manga- nese.	Not a mining acci- dent.	Whilst bathing in an accumulation of water in open work- ings deceased was drowned.
15	24th August, 3-30 A.M.	Lodna mine, Jharis P.O., Bihar and Orissa.	Lodna Colliery Co., (1920), Ld.	Ohaita Ruhidas, (m.), 29, Coal-cutter.	Coal	Not a mining acci- dent.	Deceased was in domestic trouble. Whilst being lowered down a shaft gates and quiry made

APPENDIX II.—*contd.*

List of Fatal Accidents during the year 1927.—*contd.*

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Reason for exclusion.	Cause of accident and remarks.
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FIGURES NOT INCLUDED IN THE STATISTICS—(35 deaths)—*contd.*

16	5th September, 9-15 A.M.	Khas Jharis mine, Jharis P. O., Bihar and Orissa.	Khora Ramji	Bajinath Dasadh, (m.), 22, Trammer.	Coal	Not a mining accident.	After an altercation with his parents, deceased jumped down a shaft, 306 feet deep, and was killed instantly. Inspection and inquiry made.
17	12-1 3th September, 12 Mid-night.	Hurtiladih mine, Jealgora P. O., Bihar and Orissa.	Equitable Coal Co., Ltd.	Sofia, (f.), 50, Labourer.	Coal	Not a mining accident.	The body of deceased was found in a well. Inspection and inquiry made.
18	14th September, 12 Noon.	Jamadoba mine, Jealgora P. O., Bihar and Orissa.	Tata Iron and Steel Co., Ltd.	Charan Mahat, (m.), 24, Workshop Assistant.	Coal	Not a mining accident.	Deceased jumped into a tank and being unable to swim, was drowned. Inspection and inquiry made.
19	15th September, 6-30 P. M.	Manegaon mine, Ramtek P. O., Central Provinces.	Shamji Naranji	Muki, (f.), 31, Labourer.	Manganese.	Not a mining accident.	A woman who was known to be an epileptic was found drowned in a shallow excavation. Inspection and inquiry made.
20	1st November, about 12 Mid-night.	Deeps-Durga mine, Sydapuram P. O. Madras.	K. Padma Naidu Garu.	One man and six children.	Mica	Not a mining accident.	The deceased were killed by the fall of buildings in which they were sheltering during a cyclone.

21	1st November, 12 P.M.	Lakshmi Prasanna mine, Sydapuram P. O., Madras.	R. Ramalingam Chetty.	Achi-Ankadu, (m), 5.	Mica	Not a mining accident.	Deceased was killed by the fall of a building during a cyclone.
22	1st November.	Radha Krishna mine, Sydapuram P. O., Madras.	P. Rangapa Naidu	Five persons	Mica	Not a mining accident.	The deceased were killed by the fall of a building during a cyclone.
23	3rd November, 6-30 A.M.	Hurriladih mine, Jharia P. O., Bihar and Orissa.	Equitable Coal Co., Ld.	Uday Mendal, (m), 55, Labourer.	Coal	An accident under the Indian Rail- ways Act.	As a train of loaded wagons was being hauled out of a colliery siding, a line-cleaning-coolie climbed on to the footplate of the engine tender. In attempting to step off on to the loading wharf, he slipped and fell on to the rails and his left leg was severed. He should not have ridden on the train.
24	8th Novem- ber, 1 P.M.	Jarangdih mine, Bokaro P. O., Bihar and Orissa.	Bombay, Baroda and Central India Railway, and M. and S. M. Rail- way.	Gohra, (m), 3.	Coal	Not em- ployed.	Four tubs derailed and fell over a ledge in a quarry, and a small child who had strayed into the quarry was struck by one of the tubs and killed instantly. Inspection and inquiry made.

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	FATAL ACCI										
		Number of separate fatal accidents.	Number of deaths.									Grand Total.
			Underground.			Open workings.			Surface.			
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
Assam	Lakhimpur	9	9	...	9	1	1	2	...	...	...	11
	Total	9	9	...	9	1	1	2	...	...	...	11
Baluchistan	Quetta-Pishin	1	1	...	1	...	...	...	...	...	...	1
	Total	1	1	...	1	...	...	...	...	...	...	1
Bengal	Burdwan	34	19	8	27	...	...	...	7	2	9	36
	Total	34	19	8	27	...	...	...	7	2	9	36

DIX II.

No. 2.

regulated by the Indian Mines Act, during the year 1927.

DENTS.				SERIOUS ACCIDENTS.															
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.									Grand Total.	Serious injury rate per 1,000 persons employed.				
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.			Open workings.			Surface.				Underground.	Open workings.	Surface.	Underground, Open workings and Surface.	
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.						
AL.																			
5.06	2.80	...	3.27	67	47	...	47	...	...	...	19	3	22	69	26.42	...	25.14	20.48
4.22	2.80	...	2.78	67	47	...	47	...	...	...	19	3	22	69	22.01	...	18.77	17.15
10.10	...	...	7.52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5.46	...	...	3.96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
0.94	...	0.62	0.82	61	37	8	45	2	...	2	15	3	18	65	1.56	2.32	1.25	1.47	
0.93	...	0.62	0.81	61	37	8	45	2	...	2	15	3	18	65	1.55	2.27	1.24	1.47	

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL ACCI									
			Number of deaths.									Grand Total.
			Underground.			Open workings.			Surface.			
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
Bihar and Orissa.	Hazari-bagh.	Bokaro	1	..	1	3	..	3	1	..	1		5
		Giridih	5	..	5	..	..	..	1	..	1	6
		Jharia	2	..	1	1	..	1	..	..	..	2
		Karan-pura.	1	..	1	..	..	..	..	..	..	1
		Ramgarh	1	..	..	..	..	..	1	..	..	1
	Man-bhum.	Jharia	89	76	16	92	..	..	4	1	5	97
		Raniganj	6	4	1	5	..	..	1	..	1	6
	Sonthal Parganas.	Jainty	2	4	..	4	..	..	..	..	..	4
		Raniganj.	..	..	..	..	..	..	..	..	..	..
	Total		111	92	17	109	4	..	4	8	1	9	122

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1927—contd.

DENTS.				SERIOUS ACCIDENTS.															
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.									Grand Total.	Serious injury rate per 1,000 persons employed.				
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.			Open workings.			Surface.				Underground.	Open workings.	Surface.	Underground, Open workings and Surface.	
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.						
AI—contd.																			
1.43	0.25	0.44	0.34	16	...	...	...	8	1	9	5	2	7	16	...	0.76	3.07	1.08
0.66	...	0.56	0.61	35	22	5	27	1	...	1	5	2	7	35	3.56	2.18	4.07	3.58	
2.70	55.82	...	3.04	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4.35	...	...	0.57	1	...	...	...	...	...	...	1	...	1	1	...	...	1.77	0.57
...	...	200.00	24.39	2	...	...	...	2	...	2	...	...	...	2	...	55.55	...	48.78
3.04	...	0.20	1.36	212	140	40	180	2	...	2	34	7	41	223	3.99	1.48	1.63	3.12	
0.83	...	0.39	0.68	10	6	1	7	...	...	...	3	...	3	10	1.17	...	1.16	1.13
12.46	...	...	6.39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	1	...	1	1	...	...	...	...	...	...	1	2.34	...	...	1.59
1.79	0.27	0.27	1.12	277	168	47	215	18	1	14	48	11	59	286	3.58	0.94	1.79	2.68	

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL									Grand total.
			Number of deaths.									
			Underground.			Open workings.			Surface.			
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
Central Provinces.	Chanda	...	...	...	...	...	...	...	...	...	...	CO
	Chhindwara	7	6	...	6	...	...	...	1	...	1	7
	Yeotmal	...	...	...	...	...	...	...	...	...	...	...
	Total	7	6	...	6	...	...	...	1	...	1	7
Punjab	Jhelum	2	2	...	2	...	...	...	...	...	...	2
	Mianwali	1	1	...	1	...	...	...	...	...	...	1
	Shahpur	1	1	...	1	...	...	...	...	...	...	1
	Total	4	4	...	4	...	...	...	...	...	...	4
	Grand Total (Coal), 1927.	166	181	25	156	5	1	6	16	3	19	181
Bihar and Orissa.	Singhbhum	3	...	...	...	1	...	1	2	...	2	3
												IRON
Burma	Mandslay	...	...	...	...	...	...	...	...	...	...	...
	Northern Shan States.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
	Grand Total (Iron Ore), 1927.	3	...	...	...	1	...	1	2	...	2	3

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1927—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.														
Death rate per 1,000 persons employed.			Underground, Open workings and Surface.	Number of separate serious accidents.	Number of persons seriously injured.									Grand Total.	Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.			Underground.			Open workings.			Surface.				Underground.	Open workings.	Surface.	
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.					
...	4	3	...	3	...	...	...	1	1	4	1.83	...	1.91	1.88	
2.16	...	0.71	1.67	15	9	...	9	...	...	6	1	7	16	3.23	...	4.98	3.62
...	1	1	...	1	...	...	...	...	...	1	5.92	...	...	4.50	
1.32	...	0.50	1.07	20	13	...	13	...	...	6	2	8	21	2.66	...	4.04	3.20
3.75	2.19	8	6	...	6	...	...	2	...	2	8	11.24	...	5.35	8.76	
18.70	4.41	1	2	...	2	...	...	...	...	...	2	27.40	...	...	8.61	
31.26	8.33	4	2	...	2	...	...	2	...	2	4	62.50	...	51.28	33.23	
6.26	3.17	13	10	...	10	...	...	4	...	4	14	13.65	...	7.05	11.11	
1.60	0.36	0.37	1.10	438	273	55	330	15	1	16	92	19	111	457	3.89	0.96	2.17	2.77
ORE.				2	2	4	2	...	2	6	...	0.82	0.57	0.71
...
...	2	...	...	...	...	...	2	...	2	2	...	...	4.22	1.71	
...	2	...	...	...	...	...	2	...	2	2	...	...	3.59	1.60	
...	0.18	0.48	0.81	8	2	2	4	4	...	4	8	...	0.78	0.97	0.82

Table

Statement of fatal and serious accidents in and about Mines

PROVINCE	District and Mineral field.	Number of separate fatal accidents.	FATAL										
			Number of deaths.									Grand total.	
			Underground.			Open workings.			Surface.				
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		
Bihar and Orissa.	Singbhum . . .	1	...	...	...	1	...	1	...	...	...	1	MANGA
Bombay	Belgaum . . .	1	...	...	...	4	...	4	...	...	...	4	
	Panch Mahals	...	...	...	...	...	...	...	...	...	...	...
	Total . . .	1	...	...	...	4	...	4	...	...	...	4	
Central Provinces.	Balaghat . . .	5	...	...	...	4	...	4	2	...	2	6	
	Bhandara . . .	1	...	...	...	3	...	3	...	...	...	3	
	Chhindwara . . .	1	...	...	...	1	...	1	...	...	...	1	
	Nagpur . . .	...	...	...	...	...	...	...	...	...	...	...
	Total . . .	7	...	...	...	8	...	8	2	...	2	10	
Madras	Bellary . . .	...	...	...	...	...	...	...	...	...	...	...
	Kurnool . . .	...	...	...	...	...	...	...	...	...	...	...
	Vizagapatam . . .	...	...	...	...	...	...	...	...	...	...	...
	Total . . .	...	...	...	...	...	...	...	...	...	...	...
Grand Total (Manganese Ore) 1927.		9	...	...	...	13	...	13	2	...	2	15	

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1927—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.														
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.									Grand Total.	Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.			Open workings.			Surface.				Underground.	Open workings.	Surface.	Underground, Open workings and Surface.
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.					
NESE ORE.																		
...	2.49	...	2.33	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	7.84	...	7.83	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	23	1	...	1	13	5	18	3	1	4	23	21.74	5.49	5.49	5.68
...	1.02	...	0.81	23	1	...	1	13	5	18	3	1	4	23	21.74	4.59	4.09	4.65
...	0.43	1.48	0.54	8	3	...	3	3	1	4	1	...	1	8	6.06	0.43	0.74	0.72
...	1.05	...	0.33	6	...	...	...	5	...	5	1	...	1	6	...	1.75	1.33	1.66
...	2.02	...	1.05	7	4	2	6	3	...	3	...	...	9	36.53	6.06	...	9.47	
...	...	...	...	12	1	...	1	3	2	5	4	2	6	12	5.33	0.59	4.30	1.19
...	0.38	0.53	0.39	33	8	2	10	14	3	17	6	2	8	35	11.81	0.30	2.11	1.85
...
...
...	...	...	...	2	...	...	...	1	...	1	1	...	1	2	...	0.85	9.52	1.55
...	...	...	...	2	...	...	...	1	...	1	1	...	1	2	...	0.69	4.22	1.18
...	0.48	0.40	0.48	58	9	2	11	28	6	36	10	3	13	60	12.39	1.33	2.58	1.83

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL									
			Number of deaths.									Grand Total.
			Underground.			Open workings.			Surface.			
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
Burma	Northern States. Shan	9	11	...	11	1	...	1	1	...	1	13
	Southern States. Shan	1	1	...	1	...	...	...	...	...	...	1
	Grand Total (Lead Ore) 1927.	10	12	...	12	1	...	1	1	...	1	14
Bihar and Orissa.	Singbhum	...	...	...	...	...	...	...	...	...	...	...
	Madras . . . Anantapur	1	1	...	1	...	...	...	...	...	...	1
	Grand Total (Gold) 1927.	1	1	...	1	...	...	...	...	...	...	1
Burma	Mergui	...	...	...	...	...	...	...	...	...	...	...
	Tavoy	3	...	...	...	1	...	1	3	...	3	4
	Grand Total (Tin and Wolfram)	3	...	...	...	1	...	1	3	...	3	4

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1927—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.															
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.									Grand Total.	Serious injury rate per 1,000 persons employed.				
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.			Open workings.			Surface.				Underground.	Open workings.	Surface.	Underground and Open workings and Surface.	
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.						
ORE.																			
2.48	18.18	1.37	2.49	120	105	...	105	8	...	8	9	...	9	122	23.71	145.45	12.33	23.40	
3.48	...	...	2.51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2.55	17.54	1.19	2.50	120	105	...	105	8	...	8	9	...	9	122	23.37	140.35	10.73	21.74.	
LD.																			
...	
4.22	...	...	2.43	9	3	...	3	...	...	...	...	...	...	3	12.66	...	...	7.30
4.10	...	...	2.84	2	3	...	3	...	...	...	...	...	...	3	12.20	...	...	7.01
AND WOLFRAM.																			
...	...	...	...	1	...	...	...	1	...	1	...	...	...	1	...	0.38	...	0.85
...	0.55	4.83	1.19	9	4	...	4	3	...	3	5	...	5	12	4.33	1.65	8.05	3.57	
...	0.22	3.59	0.64	10	4	...	4	4	...	4	5	...	5	13	4.28	0.69	5.99	2.08	

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL									Grand Total.
			Number of deaths.									
			Underground.			Open workings.			Surface.			
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
CHROMITE												
Baluchistan .	Quetta Fishin . . . . .	..	..	..	..	..	..	..	..	..	..	..
	Zhob . . . . .	..	..	..	..	..	..	..	..	..	..	..
Bihar and Orissa.	Singbhum	1	..	..	..	1	..	1	..	..	..	1
	Grand Total (Chromite Ore) 1927.	1	..	..	..	1	..	1	..	..	..	1
Burma	Katha . . . . .	..	..	..	..	..	..	..	..	..	..	GO
Bihar and Orissa.	Gaya . . . . .	..	..	..	..	..	..	..	..	..	..	MI
	Hazari bagh	3	4	..	4	1	..	1	..	..	..	5
	Total	3	4	..	4	1	..	1	..	..	..	5
	Grand Total (Mica) 1927.	3	4	..	4	1	..	1	..	..	..	5
Panjab	Jhelum	1	..	..	..	1	..	1	..	..	..	SA
	Shahpur . . . . .	..	..	..	..	..	..	..	..	..	..	..
	Total	1	..	..	..	1	..	1	..	..	..	1
	Grand Total (Salt) 1927.	1	..	..	..	1	..	1	..	..	..	1

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1927—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.														
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.									Grand total.	Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.	Under ground, Open workings and Surface.		Underground.			Open workings.			Surface.				Underground.	Open workings.	Surface.	Underground, Open workings and Surface.
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.					
ORE.																		
...
...	2.72	...	2.43	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	1.99	...	1.61	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MS				1	...	...	...	1	...	1	...	...	1	...	4.61	...	2.46	...
CA.				2	1	...	1	...	...	1	...	1	2	1.19	...	6.18	1.65	...
0.48	0.52	...	0.44	12	7	2	9	6	...	6	...	...	15	1.09	3.11	...	1.31	...
0.42	0.56	...	0.37	14	8	2	10	6	...	6	1	...	17	1.05	2.25	0.60	1.27	...
0.81	0.25	...	0.25	14	8	2	10	6	...	6	1	...	17	0.77	1.48	0.85	0.86	...
LT.				6	2	2	4	...	...	2	...	2	6	4.56	...	6.51	5.03	...
...	125.00	...	0.84	1	1	...	1	...	...	...	...	...	1	8.85	...	...	7.09	...
...	...	...	...	7	3	2	5	...	...	2	...	2	7	...	...	...	...	...
...	125.00	...	0.68	7	3	2	5	...	...	2	...	2	7	4.70	...	5.05	4.77	...

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL										
			Number of deaths.										Grand Total.
			Underground.			Open workings.			Surface.				
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		
Bihar and Orissa.	Monghyr	SLA	
	Singhbhum . . .	...	...	...	...	...	...	...	...	...	...
	Total . . .	...	...	...	...	...	...	...	...	...	...
Punjab . . .	Gurgaon		
	Kangra . . .	...	...	...	...	...	...	...	...	...	...
	Total . . .	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL (SLATS) 1927.		
Bihar and Orissa.	Sahabad . . .	1	1	1	1	LIME	
	Singhbhum . . .	...	...	...	...	...	...	...	...	...	...
	Total . . .	1	...	...	...	...	...	...	1	1	1
Burma . . .	Amherst . . .	1	7	...	7	7	
	Northern Shan States.	1	1	...	1	1	
	Total . . .	2	8	...	8	8	
Central Provinces.	Bilaspur		
	Jubbulpore . . .	1	...	...	...	...	...	...	1	...	1
	Rajpur . . .	...	...	...	...	...	...	...	...	...	...
	Yeotmal . . .	...	...	...	...	...	...	...	...	...	...
Total . . .	1	...	...	...	...	...	...	1	...	1	1

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL									Grand Total.
			Number of deaths.									
			Underground.			Open workings.			Surface.			
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
Punjab	Attock . . . . .	...	...	...	...	...	...	...	...	...	...	...
	Jhelum	1	...	...	...	4	...	4	...	...	...	4
	Rawalpindi . . . . .	...	...	...	...	...	...	...	...	...	...	...
	Total	1	...	...	...	4	...	4	...	...	...	4
	Grand Total (Limestones), 1927.	5	...	...	...	12	...	12	1	1	2	14
Bengal	Birbhum	1	...	...	...	...	...	...	1	...	1	1
Bombay	Bombay Suburban	1	...	...	...	1	...	1	...	...	...	1
	Surat	1	...	...	...	1	...	1	...	...	...	1
	Total	2	...	...	...	2	...	2	...	...	...	2
Burma	Taungoo	1	...	...	...	1	...	1	...	...	...	1
	Thaton	3	...	...	...	4	...	4	...	...	...	4
	Total	4	...	...	...	5	...	5	...	...	...	5
	Grand Total (Igneous Rock), 1927.	7	...	...	...	7	...	7	1	...	1	8

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1927—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.													
Death rate per 1,000 persons employed.			Underground, Open workings and Surface.	Number of separate serious accidents.	Number of persons seriously injured.									Grand Total.	Serious injury rate per 1,000 persons employed.		
Underground.	Open workings.	Surface.			Underground.			Open workings.			Surface.				Underground.	Open workings.	Surface.
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.				
STONE—contd.																	
...	
...	7.07	...	5.80	1	...	...	...	1	...	1	...	...	1	...	1.77	...	1.45
...
...	2.85	...	1.91	1	...	...	...	1	...	1	...	...	1	...	0.71	...	0.48
...	1.74	0.89	1.53	8	...	...	...	6	1	7	3	...	3	10	1.03	1.34	1.09
ROCK.																	
...	...	1.14	0.32	2	...	...	...	1	...	1	1	...	1	3	2.38	1.14	1.64
...	1.52	...	1.11	3	...	...	...	...	...	3	...	3	3	...	...	12.24	3.32
...
...	3.08	...	2.17	3	...	...	...	...	...	3	...	3	3	...	...	11.58	3.26
...	6.26	...	6.80	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	2.43	...	2.17	5	...	...	...	6	...	6	...	...	6	...	3.64	...	3.25
...	2.71	...	2.42	5	...	...	...	6	...	6	...	...	6	...	3.26	...	2.90
...	1.73	0.84	1.14	11	...	...	...	7	...	7	4	...	4	11	1.78	1.35	1.57

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL										
			Number of deaths.										
			Underground.			Open workings.			Surface.			Grand Total.	
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		
Bihar and Orissa.	Gaya . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Manbhum . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Shahabad . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Singhbhum . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Total . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
Punjab United Provin- ces.	Rawalpindi . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Allahabad . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Jhansi . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Saharanpur . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Total . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total (Stone unspcified), 1927.		...	...	...	...	...	...	...	...	...	...	...	...

STONE

Table

Statement of fatal and serious accidents in and about Mines regulated

Province.	District and Mineral field.	FATAL											
		Number of separate fatal accidents.	Number of deaths.									Grand Total.	
			Underground.			Open workings.			Surface.				
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		
Central Provinces.	Jubbulpore . . .	...	...	...	...	...	...	...	...	...	...	...	FIRE
	Grand Total (Fire-clay), 1927.	...	...	...	...	...	...	...	...	...	...	...	...
Bihar and Orissa.	Bhagalpur . . .	...	...	...	...	...	...	...	...	...	...	...	CHINA
	Singhbhum . . .	...	...	...	...	...	...	...	...	...	...	...
	Total . . .	...	...	...	...	...	...	...	...	...	...	...
Central Provinces.	Jubbulpore . . .	...	...	...	...	...	...	...	...	...	...	...	...
Delhi . . .	Delhi . . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Grand Total (China clay), 1927.	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total (all minerals).		209	148	25	178	48	1	44	28	4	50	247	

DIX II—contd.

No. 2—contd.

by the Indian Mines Act, during the year 1927—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.																	
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.									Grand Total.	Serious injury rate per 1,000 persons employed.						
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Undergro und.			Open workings.			Surface.				Underground.	Open workings.	Surface.	Under ground, Open workings and Surface.			
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.								
CLAY.				1								1				1				14.08	1.86
				1								1				1				4.48	1.02
CLAY.																					
				1								1				1				4.20	1.40
				1								1				1				8.37	1.27
				1								1				1				8.55	1.10
1.46	0.57	0.41	0.92	680	407	61	468	78	12	90	138	22	155	718	8.95	1.16	2.12	2.65			

APPENDIX II—concl'd.

Table No. 3.

Statement of fatal accidents in Mines regulated by the Indian Mines Act, during the year 1927, classified according to cause of accident.

Mineral worked.	Number of separate fatal accidents.	Number of persons killed.										Death rate per 1,000 persons employed.				
		Explosions of fire-damp.	Falls of roof.	Falls of side.	In shafts.	Suffocation by gases.	Explosives.	Haulage.	Miscellaneous underground.	Surface.	Electricity.	Total deaths.	Underground.	Open workings.	On surface.	Underground workings and Surface.
Coal	166	1	61	39	8	1	13	24	15	17	2	181	1.60	0.36	0.37	1.10
Iron Ore	3	...	...	...	...	...	1	...	...	2	...	3	...	0.18	0.48	0.31
Manganese Ore	9	...	...	9	...	...	3	...	...	3	...	15	...	0.48	0.40	0.46
Lead Ore	10	...	2	2	2	5	...	...	3	1	...	14	3.55	17.54	1.19	2.44
Tin and Wolfram Ore.	3	...	...	...	...	...	...	...	1	3	...	4	...	0.92	3.59	0.64
Mica	3	...	...	1	...	3	1	...	...	...	...	5	0.81	0.25	...	0.25
Salt	1	...	...	1	...	...	...	...	...	...	...	1	...	125.00	...	0.68
Limestone	5	...	...	4	...	...	7	...	1	2	...	14	...	1.74	0.89	1.53
Igneous Rock	7	...	...	2	...	...	2	...	3	1	...	8	...	1.73	0.34	1.14
Gold	1	...	...	1	...	...	...	...	...	...	...	1	4.10	...	...	2.34
Chromite Ore	1	...	...	...	...	...	...	...	1	...	...	1	...	1.99	...	1.61
Total 1927	209	1	63	59	10	9	27	24	23	29	2	247	1.46	0.57	0.41	0.93
Total of preceding year.	198	5	53	69	17	2	17	26	12	25	1	227	1.38	0.49	0.41	0.87
Difference	+11	-4	+10	-10	-7	+7	+10	-2	+11	+4	+1	+20	+0.08	+0.08	...	+0.05

APPENDIX III.

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1927.

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of regulations and rules and Sections of the Act contravened.	REMARKS.
Assam	Lakhimpur	1	1	1	Regulation 144 and Regulation 70. Sub-Section 5 of the Indian Coal Mines Regulations, 1926.	
	Burdwan	1	2	1	Regulation 53 of the Indian Coal Mines Regulations, 1926.	One of the accused was acquitted.
	Do.	1	2	2	Regulations 24 (3), 67 and 137 Indian Coal Mines Regulations, 1926.	
	Do.	1	4	4	Regulations 38, 67 and 137 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	3	3	Regulation 53 (1) and Rule 18 of the Government of Bengal Notification No. 4768-Com., dated the 29th August 1924.	
Bengal	Do.	2	2	...	Regulation 17 of the Indian Coal Mines Regulations, 1926.	One of the accused could not be traced and the other could not be identified.
	Do.	1	2	1	Rule 18 of the Bengal Government Notification No. 4768-Com., dated the 29th August 1924.	One of the accused was acquitted.
	Do.	1	6	6	Rule 36 of the Government of India Notification No. M.-1035(1), dated the 7th September 1926.	
	Do.	1	5	5	Section 39 of the Indian Mines Act, 1923.	
	Do.	1	1	1	Regulation 3 (3) of the Indian Coal Mines Regulations, 1926.	
	Do.	1	2	...	Section 40(1) of the Indian Mines Act read with Special Rules 13 and 15 and Special Rules 68 and 69 read with Special Rule 28.	Both the accused were acquitted.

APPENDIX III—contd.

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1927—contd.

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of regulations and rules and Sections of the Act contravened.	REMARKS.
Bihar and Orissa.	Hazaribagh.	6	8	—	Regulations 3 (1) and (2) of the Indian Metalliferous Mines Regulations, 1926.	Proceedings against five of the accused were dropped on their submitting satisfactory explanations and against the accused in the other three cases as he died.
	Do.	1	1	1	Regulations 43, 71 and 91 of the Indian Metalliferous Mines Regulations, 1926.	
	Manbhum.	1	1	1	Regulations 82 and 84 of the Indian Coal Mines Regulations, 1926.	
	Do.	3	4	2	Section 15 of the Indian Mines Act, 1923 read with Regulation 23 (c) of the Indian Coal Mines Regulations, 1926.	One of the accused was acquitted and the case against another was withdrawn as he died.
	Do.	1	1	1	Rule 16 of the Bihar and Orissa Government Notification No. 3908-VII-M. 2, dated the 8th September 1924.	
	Do.	1	2	1	Regulations 140, 137 and 135 of the Indian Coal Mines Regulations, 1926 read with Sections 16, 39 and 40 of the Indian Mines Act, 1923.	Case against one of the accused was withdrawn.
	Do.	2	2	2	Regulations 102, 103 and 105 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	1	1	Regulation 88 of the Indian Coal Mines Regulation, 1926.	
	Do.	2	8	8	Regulation 98 of the Indian Coal Mines Regulations, 1926.	

APPENDIX III—*contd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1927—*contd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of regulations and rules and Sections of the Act contravened.	REMARKS.
Bihar & Orissa — <i>contd.</i>	Manbhum . . .	1	1	1	Regulation 110 of the Indian Coal Mines Regulations, 1926.	
	Do.	2	2	1	Regulation 3 (3) of the Indian Coal Mines Regulations, 1926 read with Section 33 of the Indian Mines Act, 1923.	Case against one of the accused was withdrawn.
	Do.	1	2	2	Regulations 82 and 188 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	2	1	Section 15 of the Indian Mines Act, 1923 and Regulation 121 of the Indian Coal Mines Regulations, 1926.	One of the accused was acquitted.
	Do.	1	3	3	Regulations 67, 140(1) and 146 of the Indian Coal Mines Regulations, 1926, and Special Rule 4L.	
	Do.	1	1	...	Regulations 82 and 148 of the Indian Coal Mines Regulations, 1926.	Case dropped as accused could not be traced.
	Do.	1	4	4	Regulation 17 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	1	1	Section 39 of the Indian Mines Act, 1923.	
	Do.	1	1	1	Regulation 70 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	2	1	Special Rule 78 and Regulations 142, 146 and 147 of the Indian Coal Mines Regulations, 1926 read with Section 29 of the Indian Mines Act, 1923.	One of the accused could not be traced.
	Mouhhyr. . . .	3	3	1	Regulations 3 (1) and (2) of the Indian Metalliferous Mines Regulations, 1926.	One of the accused was acquitted and the case against another was dropped as he could not be traced.

APPENDIX III—*contd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1927—*contd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of regulations and rules and Sections of the Act contravened.	REMARKS.
Bihar and Orissa— <i>concd.</i>	Sonthal Parganas	1	3	2	Regulation 3 (1) of the Indian Coal Mines Regulations, 1926.	One of the accused was acquitted.
	Do.	1	4	4	Regulations 24 (3) and 67 of the Indian Coal Mines Regulations, 1926.	
Burma	Tavoy	1	1	1	Regulation 82 of the Indian Metalliferous Mines Regulations, 1926.	
	Balaghat	1	2	2	Regulation 82 of the Indian Metalliferous Mines Regulations, 1926.	
	Do.	1	1	1	Regulation 86 of the Indian Metalliferous Mines Regulations, 1926.	
	Bhandara	1	1	...	Regulation 3 (1) of the Indian Metalliferous Mines Regulations, 1926.	Case was withdrawn.
Central Provinces.	Chhindwara	1	1	1	Section 89 of the Act and Regulation 92 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	3	3	Regulation 137 of the Indian Coal Mines Regulations 1926.	
	Do.	1	2	2	Rule 38 of the Central Provinces Government Notification No. 2226-1820-XIII, dated the 24th September 1924.	
	Do.	1	1	1	Regulation 23 of the Indian Coal Mines Regulations, 1926.	

APPENDIX III—*contd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code during the year 1927—*concl'd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of regulations and rules and Sections of the Act contravened.	REMARKS.
Central Provinces— <i>cont'd.</i>	Chhindwara	1	2	1	Section 28 of the Indian Mines Act, 1923.	One of the accused was acquitted.
	Nagpur	1	2	2	Regulations 89 and 91 of the Indian Metalliferous Mines Regulations, 1926.	
Dalhi	Delhi	1	1	...	Regulation 3 (2) of the Indian Metalliferous Mines Regulations, 1926.	The case was withdrawn.
Madras	Nellore	1	2	1	Regulation 82 of the Indian Metalliferous Mines Regulations, 1926.	One of the accused was acquitted.
Rajputana	Beawar	1	1	1	Regulation 3 (1) of the Indian Metalliferous Mines Regulations, 1926.	
United Provinces.	Allahabad	1	1	1	Regulation 3(1) of the Indian Metalliferous Mines Regulations, 1926.	
	Agra	1	1	1	Section 15 of the Indian Mines Act, 1923 read with Regulation 23 of the Indian Coal Mines Regulations, 1926.	
	Total	61	109	81		

APPENDIX IV.

Miscellaneous.

Statement No. 1.

List of Inspection Circles.

No. 1 Circle.	No. 2 Circle.
1. All mines in Baluchistan.	1. All mines in Assam.
2. All mines in Bihar and Orissa except mines in the district of the Santal Parganas and such mines in the district of Manbhum as lie east of a line drawn from mile 175 on the Bengal Nagpur Railway to mile 169 on the Grand Trunk Road and continued in a straight line across the district.	2. All mines in Bengal.
3. All mines in the North-West Frontier Province.	3. Such mines in Bihar and Orissa as lie in the district of the Santal Parganas and in the district of Manbhum east of a line drawn from mile 175 on the Bengal Nagpur Railway to mile 169 on the Grand Trunk Road and continued in a straight line across the district.
4. All mines in the Punjab.	4. All mines in Bombay.
5. All mines in Rajputana.	5. All mines in Burma.
6. All mines in the United Provinces.	6. All mines in the Central Provinces.
	7. All mines in Madras.

Statement No. 2.

Names of persons to whom first and second class certificates of competency to manage a coal mine were granted during the year 1927.

Certificates granted to holders of English certificates of competency.

(a) FIRST CLASS.

Name.	No. of Indian certificate.	Date of Indian certificate.	No. of English certificate.	Date of English certificate.
Maltby, Albert George Geoffrey .	331	21st July 1927	999	12th February 1921.
Brook, John	332	Ditto	906	Do.
Brass, Reginald	333	Ditto	1431	4th August 1923.
Tuck, Arthur	334	Ditto	1950	4th February 1926.
Curtain, Wilfred Victor James .	335	15th September 1927.	1735	5th February, 1925.
Heron, Daniel	336	19th December 1927	2150	5th August 1927.

(b) SECOND CLASS.

Nil.

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 2—*contd.*

Names of persons to whom first and second class certificates of competency to manage a coal mine were granted during the year 1927—*contd.*

Indian Certificates.

(a) FIRST CLASS.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Sadhu, (Golak Behari)	196	18th July, 1927.	
Mukherjee, Gopala	197	Ditto.	
Das, Brajendranath	198	Ditto.	
Bose, Santosh Kumar	199	Ditto.	

(b) SECOND CLASS.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Powell, J. A.	404	20th July 1927.	
Ghosh, Sunil Krishna	405	Do.	
Mehta, Trambaklal Chaturbhuj	406	Do.	
Hindley, C. W. G.	407	Do.	
Chakravarty, Gokul Chandra.	408	Do.	
Majumdar, Indu Bhusan	409	Do.	

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 2—*contd.*

Names of persons to whom first and second class certificates of competency to manage a coal mine were granted during the year 1927—*concl'd.*

Indian Certificates—*contd.*

(b) SECOND CLASS—*contd.*

Name.	No. of certificate.	Date of certificate.	REMARKS.
Sarkar, Bibhuti Bhushan	410	20th July 1927.	
Banerjee, Indu Bhushan	411	Do.	
Chaudhuri, Parash Nath	412	Do.	
Roy, Suresh Chandra	413	Do.	
Bagchi, Subodh Krishna	414	Do.	
Malitte, F. O. A.	415	Do.	
Mitter, Arun Kumar	416	Do.	
Paul, Jagannath	417	Do.	
Nag, Khagendra Nath	418	Do.	
Roy, Anukul Chand.	419	Do.	
Johnston, James	420	Do.	
Niven, David Coates	421	Do.	
Guha-Maulik, Sudhir Chandra	422	Do.	
Ganguly, Ajit Kumar	423	Do.	
Banerjee, Satindra Chandra	424	Do.	
Chanda, Boney Krishna	425	Do.	
Rakshit, Sukumar	426	Do.	
Moore, Thomas	427	Do.	
Rana, Digambar	428	Do.	
Rahman, Mohammad Khallur	429	Do.	
Datta, Basanta Kumar	430	Do.	
Sanyal, Manindra Lal	431	Do.	
Mukherjee, Anath Bandhu	432	Do.	

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 2—*contd.*

Names of persons to whom colliery surveyors' certificates of competency were granted during the year 1927.

Name.	No. of certificates.	Date of certificate.	REMARKS.
Banerjee, Mrityunjoy	1	4th February 1928.	
Roy, Bibhuti Bhusan	2	Do.	
Sen, Parawa Nath	3	Do.	
Biawas, Kali Pada	4	Do.	
De, Abinas Chandra	5	Do.	
Roy, Shakti Pada	6	Do.	
Ganguly, Bakhal Chandra	7	Do.	
Sanyal, Manindra Lal	8	Do.	
Mukherjee, Bhupendra Nath	9	Do.	
Sen Gupta, Dinesh Chandra	10	Do.	
Ganguly, Sib Nath	11	Do.	
Chakravarty, Sasanka Mohan	12	Do.	
Ghosh, Sakti Kinkor	13	Do.	
Baksi, Panchanan	14	Do.	
Gupta, Hriday Hari	15	Do.	
Mitra, Panch Kari	16	Do.	
Lahiri, Pankaj Nath	17	Do.	
Bhattacharjee, Nalinaksha	18	Do.	
Ganguly, Ajit Kumar	19	Do.	
Shome, Makhan Lal	20	Do.	
Sen, Shuresh Chandra	21	Do.	
Mahta, Trambakial Chaturbuj	22	Do.	
Mitra, Chand Prasad	23	Do.	
Dandekar, Parushottam Bhaskar	24	Do.	
Bagchi, Nandlal	25	Do.	
Datta, Basanta Kumar	26	Do.	

APPENDIX IV.

Miscellaneous.

Statement No. 3.

GOVERNMENT OF INDIA.

DEPARTMENT OF INDUSTRIES AND LABOUR.

NOTIFICATION.

New Delhi, the 16th December 1927.

No. M-1635.—In pursuance of Clause (1) of Regulation 15 of the Indian Metalliferous Mines Regulations, 1926, the Government in Council is pleased to direct that the provisions of Chapter II of the said Regulations in respect of plans shall apply to the Mica Mines specified in the annexed schedule.

Schedule.

No.	Province.	District.	Name of mine.	Name of owner.
1	Madras.	Nilgiris.	Sankara	A. H. Gaston.
2	"	Nellore.	Patragunta	B. V. Krishniah.
3	"	"	Kubera	V. Rajagopal Rao.
4	"	"	Mohana	Edgar Denham.
5	"	"	Goury and Sankara	B. S. Mining Co.
6	"	"	Natraja	I. Pattabhirami Reddi.
7	"	"	Pallimitta	Krishna Mining Co.
8	"	"	Shah	Krishna Mining Co.
9	"	"	Lakshmi-Narayan	B. P. Reddi and R. L. Reddi.
10	"	"	Chukka	I. P. Reddi.
11	"	"	Palamani	Tellabadu Co., Ltd.
12	"	"	Tellabadu	Krishna Mining Co.
13	"	"	Nandalagunta	Krishna Mining Co.
14	"	"	Kasiyawanath	B. Bangariah.
15	"	"	Kajjapurama	T. V. Subbiah Naidu.
16	"	"	Krishnavilasam	Md. Mukdum Mohiuddin Sahib.
17	"	"	Sitarama	Madras Mica Co.
18	"	"	Kalichedu	Kalichedu Mining Co.
19	"	"	Bashire	Madras Mica Co.
20	"	"	Radha-Krishna	B. P. Reddi and R. L. Reddi.
21	"	"	Umamaheswara	K. Padma Naidu and others.
22	"	"	Radha-Krishna	P. Rangappa Naidu and others.
23	"	"	" P "	Tellabadu Co., Ltd.
24	"	"	Bhavanisankar	V. Subba Reddi.

APPENDIX IV—*contd.*
 Miscellaneous—*contd.*
 Statement No. 3—*contd.*
 GOVERNMENT OF INDIA.

DEPARTMENT OF INDUSTRIES AND LABOUR.

NOTIFICATION.

New Delhi the 15th December 1927.

No.	Province.	District.	Name of mine.	Name of owner.
1	Bihar and Orissa.	Hazaribagh.	Bullock	F. F. Chrestien & Co.
2	"	"	Kendua	"
3	"	"	Hibru	"
4	"	"	Lumaria	"
5	"	"	Bura (74)	"
6	"	"	Buris (Kaliktambi)	"
7	"	"	Harraiya	"
8	"	"	Gamaria	"
9	"	"	Bura Murghe	"
10	"	"	Buris (Domohench)	"
11	"	"	Charaki No. 1	"
12	"	"	Charaki No. 2	"
13	"	"	Bindla	"
14	"	"	Pathaiya	"
15	"	"	Tandaiya	"
16	"	"	Bamsingha	"
17	"	"	Ghutia	"
18	"	"	Lady Bangi	"
19	"	"	Lambapahar	"
20	"	"	Surangi (Charaki)	"
21	"	"	Reha	"
22	"	"	Singho Pahari	"
23	"	"	Surangi (Dhab)	"
24	"	"	Tharwa & Lagunwa	Tata Sons & Co.
25	"	"	Tetturia	"
26	"	"	Kendua	"

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 3—*contd.*

• GOVERNMENT OF INDIA.

DEPARTMENT OF INDUSTRIES AND LABOUR.

NOTIFICATION.

New Delhi, the 15th December 1927.

No.	District.	Province.	Name of mine.	Name of owner.
27	Bihar and Orissa.	Hazaribagh.	Murulia	Tata Sons & Co.
28	"	"	Thani	"
29	"	"	Shyam	"
30	"	"	Kari	"
31	"	"	Buria	"
32	"	"	Kaira	John Rodger & Co.
33	"	"	Dhobiamaran	Sahana Opusina.
34	"	"	"	J. S. Mull & Co.
35	"	"	Deora	"
36	"	"	Sugi	"
37	"	"	Bangathoa	I. C. Bhattacharjee.
38	"	"	Bharkighat	A. C. Bose & Co.
39	"	"	Nowoca	Bihar Mica Concern.
40	"	"	Kahuria	Chota Nagpur Mica Syndicate.
41	"	"	Bhuti	"
42	"	"	Kunjia	"
43	"	"	Lomchanchi	"
44	"	"	Buria (Tharragatti)	Brindaban Industrial Syndicate.
45	"	"	No. 10	"
46	"	"	Jolamaron	"
47	"	"	Baroria	"
48	"	"	Sarola	Kodarama Bissenpur Mica Syndicate.
49	"	"	Charki	"

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 3—*concl'd.*

GOVERNMENT OF INDIA.

DEPARTMENT OF INDUSTRIES AND LABOUR.

NOTIFICATION.

No.	Province.	District.	Name of mine.	Name of owner.
50	Bihar and Orissa.	Hazaribagh.	Monharis	Hazaribagh Mica Mining Co.
51	"	"	Segunia	"
52	"	"	Sugi	Prayag Singh.
53	"	"	Fathlaiya	Tafani Singh.
54	"	"	"	Ganga Singh.
55	"	"	Hosonia	Raghubir Roy.
56	"	"	Chaprascoc	Tekait Krishna Pd. Singh.
57	"	Gaya	Bhanekhap	Ganpat Roy & Co.
58	"	"	Annapurna	Srikanta Lal
59	"	"	Be kacho	K. K. Mittor & Co.
60	"	"	Lekhaya	"
61	"	"	Bandaloria	"
62	"	"	Gladhar	"
63	"	Monghyr	Ganda No. J	Mohanta Dwarikianaud Swami

A. G. CLOW,

Offg. Secy. to the Government of India.

APPENDIX IV—*contd.*Miscellaneous—*contd.*

Statement No. 4.

GOVERNMENT OF INDIA.

DEPARTMENT OF INDUSTRIES AND LABOUR.

NOTIFICATION.

New Delhi, the 23rd November 1927.

No. M.-1051.—In exercise of the powers conferred by sub-section (1) of section 48 of the Indian Mines Act, 1923 (IV of 1923), the Governor General in Council is pleased to direct that the following amendments shall be made in the Schedule to the notification of the Government of India in the Department of Industries and Labour, No. M.-1051, dated the 23rd December 1926, namely:—

In the said Schedule:—

(a) In entry 1 in the first column—

(i) after the word "fire-clay" the word "ocbre" shall be inserted, and:

(ii) after clause (b) of the second proviso, the following clause shall be inserted, namely:—

"(c) The Danpahari Fire-clay mine situate in Bonjamuri village in the Asansol sub-division of the Burdwan district."

(b) After entry 3, the following entry shall be inserted, namely:—

"3A. Iron-ore mines worked without mechanical power, the whole of the ore from which is supplied locally to village smelters and blacksmiths."

AR

(c) To entry 6, the following sub-entry shall be added, namely:—

"(vi) Open excavations for coal in the Rajmahal coalfields in the district of the Santhal Parganas, provided that not more than 20 persons are employed in or about the mine at any one time."

All

A. G. CLOW,

Offg. Secy. to the Government of India.

APPENDIX IV—*contd.*Miscellaneous—*contd.*

Statement No. 5.

GOVERNMENT OF INDIA.

DEPARTMENT OF INDUSTRIES AND LABOUR.

NOTIFICATION.

New Delhi, the 26th January 1927.

No. M-987.—For the purposes of regulations 34, 35 and 39 of the Indian Coal Mines Regulations, 1926, the Governor General in Council has approved of the following institutions in respect of the degrees, diplomas or certificates specified against them if granted after the dates similarly specified.

2. The notifications of the Government of India in the Department of Commerce and Industry, No. 5808-160, dated the 25th July 1906, No. 1715-2, dated the 22nd February 1907, No. 9082-225, dated the 6th December 1909, No. 6690-148, dated the 24th September 1910, No. 1829-26, dated the 22nd February 1913, No. 2455-C, dated the 13th March 1915, No. 567-27, dated the 19th February 1916 and No. 7845, dated the 10th August 1918, and in the Department of Industries No. M-987, dated the 26th February 1923 are hereby cancelled.

Name of Institution.	Degree, Diploma or Certificate.	Date.
INDIA.		
Benares Hindu University	Degree of Bachelor of Science in Mining.	1st January 1927.
Bengal Engineering College, Sibpur	Diploma in Mining	22nd February 1907.
Calcutta University	Degree of Bachelor of Engineering in the Branch of Mining Engineering.	24th September 1910.
Indian School of Mines, Dhanbad	Certificate in Coal Mining and Diploma of Associateship in Mining Engineering.	1st January 1927.
UNITED KINGDOM.		
Armstrong College, New-castle-on-Tyne	Diploma in Mining	29th June 1904.
Birmingham University	Degree of B. Sc. in Mining and Diploma in Mining.	11th June 1904.
Cambridge and Birmingham Universities.	Joint Coal Mining Diploma	30th June 1935.
Durham University	Degree of B. Sc. in Mining	21st December 1908.
Ditto	Honours Degree of B. Sc. in Mining	13th March 1919.
Edinburgh University	Degrees of B. Sc. and D. Sc. in Mining and Metallurgy.	7th September 1921.
Glasgow Royal Technical College	Diploma in Mining	28th June 1904.
Glasgow University	Degree and Diploma in Mining	28th September 1904.
Heriot Watt College, Edinburgh	Certificate in Mining Engineering	16th January 1908.
Ditto, ditto	Diploma in Mining Engineering	7th March 1911.
Leeds University	Degree of B. Sc. in Mining and Diploma in Mining.	21st November 1904.

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 5—*contd.*

Name of Institution.	Degree, Diploma or Certificate.	Date.
UNITED KINGDOM—<i>contd.</i>		
London University	B. Sc. Degree in Mining for Internal Students, subject to the Degree being endorsed by the University with a certificate of four months' practical experience in a mine.	9th June 1905.
Ditto	Degree of B. Sc. in Mining for External Students.	7th August 1906.
Manchester, Victoria University	Degree and Certificate in Mining	14th February 1906.
Nottingham University College	Diploma of Mining Engineering	28th March 1906.
Oxford and Birmingham Universities.	Diploma in Coal Mining which is granted by the two Universities jointly.	24th May 1921.
Royal School of Mines	Associatehip in Mining.	24th March 1904.
Sheffield University	Diploma in Mining	6th June 1906.
Ditto	Degree of Bachelor of Engineering (Mining).	30th June 1906.
University College of South Wales and Monmouthshire and the South Wales and Monmouthshire School of Mines.	Diploma which is granted by the two Institutions (jointly).	18th March 1914.
Wales, University of	Degree of B. Sc. in Mining Engineering.	14th March 1914.
Wigan Mining and Technical College	Diploma in Mining	26th August 1904.
FOREIGN COUNTRIES.		
California University, United States of America.	Degree of Mining Engineer	19th February 1916.
Carnegie Institute of Technology, Pittsburgh, Pa., United States of America.	Degree of Bachelor of Science in Mining Engineering.	26th February 1923.
Columbia University, New York, United States of America.	Degree of Engineer of Mines	13th March 1915.
Harvard University, Cambridge, Massachusetts, United States of America.	Diploma in Mining Engineering	22nd February 1913.
Leland Stanford Junior University, California.	Degree of Bachelor of Arts in Geology and Mining.	10th August 1918.
Pittsburgh University, United States of America.	Degree of Engineer of Mines	19th February 1916.

W. A. C. McWATTERS,
Secretary to the Government of India.

APPENDIX IV—*contd.*Miscellaneous—*contd.*

Statement No. 6.

GOVERNMENT OF INDIA.

DEPARTMENT OF INDUSTRIES AND LABOUR.

NOTIFICATION.

New Delhi, the 2nd March 1927.

No. M-987.—For the purposes of regulation 33 of the Indian Coal Mines Regulations, 1926, the Government of India have approved the following institutions in respect of First-Aid Certificates granted by them:—

1. St. Andrew's Ambulance Association, Glasgow.
2. United States of America Bureau of Mines, Washington.

A. C. McWATTERS,

Secretary to the Government of India.