



INDIAN MINES ACT, 1923

ANNUAL REPORT

OF THE

CHIEF INSPECTOR OF MINES IN INDIA

FOR THE YEAR ENDING

31st DECEMBER 1932



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STATISTICS OF MINE S

Table
Number of workers and output of minerals during the

Provinces.	District and Mineral field.	Total Output,	Average number of								
			Underground.							Females.	Total Males and Females.
			Males.								
			Oreman and Sidara.	Coal-enters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.			
		Tons.								CO	
Assam	Lakhimpur, Makum coalfield	170,209	107	223	200	256	537	1,972	...	1,972	
	Naga Hills, Nazira "	88,408	18	31	38	86	141	280	...	280	
	Sibsagar coalfield.	100	1	8	2	1	...	7	...	7	
	Total	208,803	121	246	300	269	668	1,638	...	1,638	
Baluchistan	Quetta-Fishir, Sor Range coalfield.	8,680	10	20	88	1	8	87	...	87	
	Sibi, Khost coalfield	5,297	7	39	97	2	...	85	...	85	
	Total	13,977	17	59	90	8	8	172	...	172	
Bengal	Bankura	10,783	10	45	30	7	11	108	18	121	
	Birbham	1,088	2	6	3	...	...	10	1	11
	Burdwan	5,770,777	667	12,083	4,080	8,118	4,764	20,207	5,041	31,248	
	Total	5,782,653	689	18,032	4,093	8,123	4,775	20,320	5,000	31,320	
Bihar and Orissa.	Naubhum—Raniganj coalfield (part of)	553,628	91	1,684	388	276	710	2,147	648	2,793	
	Jharia "	8,494,115	1,080	17,408	7,537	6,177	5,001	35,858	6,789	42,647	
	Hazaribagh—Jharia coalfield (part of)	57,168	8	121	80	19	21	229	48	277	
	Bokaro "	1,348,978	71	1,642	530	142	301	2,038	281	3,318	
	Giridih "	583,248	136	3,287	710	244	391	4,608	779	5,387	
	Karainpara "	407,833	24	608	88	88	61	809	170	979	
	Ranchi—Karainpara coalfield (part of)	1,733	1	0	...	1	1	12	2	14	
Sambalpur—Hingir Rampur coalfield	10,498	2	38	39	9	6	84	14	98		
	Carried over	11,466,189	1,873	25,097	9,309	4,926	7,383	48,067	8,721	56,818	

DIX I.

AND MINERALS.

No. I.

year 1932 at mines under the Indian Mines Act.

persons employed daily in and about the mines.

Open workings.								Total Underground and Open workings.	Surface.						Grand Total.
Males.							Total Males and Females.		Males.				Total Males and Females.		
Overmen and Sundry.	Coal-cutters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.	Females.			Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.		Females.	
A.C.								1,372	10	96	235	233	99	460	1,332
...	...	...	...	...	...	...	...	252	14	35	110	127	7	154	433
1	1	2	2	1	7	...	7	14	1	3	13	16	...	16	30
1	1	2	2	1	7	...	7	1,045	24	184	857	297	108	695	2,276
...	...	...	...	...	...	...	...	87	2	2	14	10	...	10	106
...	...	...	...	...	...	...	...	85	...	2	...	1	1	3	88
...	...	...	...	...	...	...	...	172	2	5	14	21	1	22	194
...	...	...	...	...	...	...	...	121	15	15	6	26	10	55	176
...	...	...	...	...	...	...	...	11	1	1	1	2	1	4	15
11	136	18	43	243	446	319	765	22,013	1,267	2,733	4,607	6,707	2,513	11,319	46,237
11	136	18	43	243	446	319	765	22,145	1,273	2,739	4,704	6,746	2,521	11,276	42,423
7	40	7	6	14	83	44	127	3,920	122	207	612	1,052	207	1,440	5,369
20	254	96	35	96	618	254	867	42,500	1,572	2,544	9,900	15,076	4,717	19,793	62,293
...	...	...	...	...	...	...	...	277	21	33	97	156	78	221	306
25	2,120	508	86	646	3,711	1,464	5,175	6,413	205	622	1,423	2,279	1,621	2,300	11,742
2	66	9	...	7	84	50	104	5,011	85	184	1,965	1,134	280	1,423	7,224
1	230	152	78	302	762	145	907	1,826	80	153	262	512	136	624	2,540
...	...	...	...	...	...	...	...	14	1	1	1	2	2	5	19
...	...	...	...	...	...	...	...	98	...	16	12	22	14	42	140
125	2,889	771	200	1,262	5,253	1,927	7,180	84,028	2,096	4,869	12,222	20,246	6,631	26,877	90,925

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of							Total Males and Females.
			Underground.							
			Males.							
			Overmen and Sidemen.	Coal-cutters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.	Females.	
	Brought forward	Tons.								CO
		11,466,120	1,373	25,007	9,900	4,026	7,362	48,037	3,721	56,618
Bihar and Orissa—contd.	Sonthal Parganas— G.C.E.C. Jaintry coalfield	49,163	19	164	84	32	33	333	23	354
	Raniganj coalfield (part of).	83,778	13	339	6	23	116	502	74	576
	Total	11,592,180	1,405	25,500	9,990	4,086	7,531	48,921	3,827	57,748
Central Provinces.	Chanda	217,431	29	983	495	61	332	1,692	146	2,034
	Chhindwara, Peneh Valley coalfield.	691,617	75	3,408	663	363	408	3,951	550	4,501
	Total	1,049,398	103	3,890	1,178	448	722	5,690	696	6,535
Punjab.	Jhelum, Salt Range coalfield	33,637	36	183	89	104	119	541	...	541
	Mianwali ..	80,792	13	44	48	6	61	194	...	194
	Shahpur ..	9,638	3	60	...	5	30	118	...	118
	Total	73,687	52	297	137	117	220	623	...	623
	Grand Total (Coal) for 1933.	19,719,597	3,397	43,034	15,796	8,964	13,023	83,713	14,583	98,296
	Grand Total for preceding year.	20,514,597	3,558	41,867	14,121	9,714	14,373	82,323	16,033	98,954
	Difference	-1,795,010	-161	+977	+1,675	-750	-350	+1,391	-2,049	-658

DIX I—contd.
AND MINERALS—contd.

No. I—contd.
year 1982 at mines under the Indian Mines Act—contd.

persons employed daily in and about the mines.

Overmen and Siders.	Open workings.						Total Males and Females.	Total Underground and Open workings.	Surface.						Grand Total.	
	Males.					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.—contd.																
126	2,828	771	200	1,260	5,253	1,987	7,240	64,058	2,095	4,899	13,282	20,246	6,651	26,897	90,955	
1	...	...	...	6	7	5	12	385	23	68	80	172	18	190	558	
...	...	...	...	...	...	...	...	376	37	42	98	177	86	263	329	
126	2,828	771	200	1,275	5,260	1,992	7,252	65,000	2,161	4,974	13,480	20,595	6,755	27,350	92,350	
...	...	...	...	...	...	...	...	2,034	50	94	374	527	24	611	2,615	
...	...	...	1	3	9	5	14	4,515	108	496	701	1,305	447	1,773	6,287	
...	...	...	1	3	9	5	14	6,549	167	590	1,075	1,832	551	2,383	8,932	
1	...	...	...	9	10	...	10	551	36	46	203	285	...	285	836	
...	...	...	...	...	...	...	...	164	15	6	96	115	4	119	283	
...	...	...	...	...	...	...	...	118	7	11	60	79	...	78	196	
1	...	...	...	9	10	...	10	633	56	63	369	478	4	482	1,315	
129	3,025	786	245	1,535	5,733	2,315	8,048	100,344	3,693	8,535	10,969	32,197	9,048	42,145	149,489	
163	3,630	1,064	427	3,200	6,713	4,467	11,180	112,124	4,110	9,479	21,182	34,770	11,363	46,132	169,267	
*																
-44	-814	-278	-181	-1,664	-3,981	-2,151	-5,132	-5,790	-417	-943	-1,218	-2,573	-1,415	-3,988	-9,773	

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.					Females.	Total Males and Females.
			Males.						
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.					
		Tons.	IRON						
Bihar and Orissa	Singhbhum . . .	666,874	...	...	...	...	...	...
Burma	Mandalay . . .	...	...	...	...	...	...	...
	Northern Shan States.	6,580	...	...	...	...	...	...
	Total	6,580	...	...	...	...	...	...
		678,434	...	...	...	...	...	...
		590,176	...	...	...	...	...	...
		+88,258	...	...	...	...	...	...
		Tons.	MANGANESE						
Bihar and Orissa	Singhbhum	2,273	...	...	...	...	...	...
Bombay	North Kanara . . .	612	..	...	...	...	...	...
	Panch Mahals . . .	...	...	...	...	...	...	...
	Total	612	...	...	...	...	...	...

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1932 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 Stater.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.	Females.		Total Males and Females.
ORE														
41	1,551	52	107	1,751	936	2,687	2,687	69	101	567	737	201	938	3,625
...	...	...	...	...	...	...	...	8	1	18	28	...	22	22
3	...	4	26	35	2	37	37	2	1	14	17	3	20	57
3	...	4	26	35	2	37	37	5	2	32	39	3	42	79
44	1,551	56	135	1,786	936	2,724	2,724	74	108	599	776	204	980	3,704
66	1,779	197	320	2,362	1,115	3,477	3,477	92	176	1,004	1,272	430	1,702	5,179
-22	-228	-141	-135	-578	-177	-753	-753	-18	-73	-405	-496	-226	-722	-1,475
ORE														
5	26	2	88	121	52	173	173	2	...	...	2	29	31	204
1	...	95	...	96	27	123	123	...	...	...	...	...	...	123
...	...	...	...	...	10	10	10	4	2	20	26	...	26	36
1	...	95	...	96	37	133	133	4	2	20	26	...	26	159

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during

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.	Other skilled labour.	Other unskilled labour.				
Central Provinces		Tons.								
	Balaghat . . .	38,769	11	224	1	62	298	..	298	
	Bhandara . . .	10,918	...	...	...	...	...	...	...
	Chhindwara . . .	10,041	...	...	...	...	...	...	...
	Nagpur . . .	19,465	...	...	...	...	...	...	...
	Total	77,186	11	224	1	62	298	..	298	
	MANGANESE									
Madras . . .	Vizagapatam . . .	8,049	...	...	2	...	2	...	2
	Grand Total (Manganese Ore) for 1932.	88,119	11	224	3	62	300	...	300	
	Grand Total for preceding year.	947,973	26	527	22	126	703	...	703	
	Difference . . .	-269,254	-15	-303	-19	-66	-403	...	-403	

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

the year 1932 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 Miners.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Overhead and supervise- ing staff.	Skilled labour.	Unskilled labour.	Total Males.				
ORE—contd.															
19	372	8	56	450	462	912	1,210	14	21	84	119	222	341	1,551	
21	198	4	20	228	169	407	407	9	5	44	58	25	83	490	
5	103	...	..	107	94	201	201	4	6	35	45	11	56	257
25	269	7	16	317	219	536	536	16	7	38	111	26	137	673	
70	936	14	92	1,112	944	2,056	2,354	43	39	251	333	264	617	2,971	
6	336	...	...	344	198	537	539	6	11	6	23	...	23	502
82	1,300	111	180	1,673	1,226	2,899	3,199	55	32	277	364	313	697	3,696	
243	4,177	77	450	4,952	4,215	9,167	9,870	126	147	1,051	1,326	786	2,112	11,982	
-166	-2,877	+34	-270	-3,279	-2,989	-6,268	-6,671	-73	-95	-774	-942	-473	-1,415	-8,036	

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.	Other skilled labour.	Other unskilled labour.	Total Males.		
Burma . . .	Northern Shan States.	Tons. 642	ANTIMONIAL						
			Figures included						
	Total of preceding year.	1,505	...	...	...	...	...	...	..
	Difference . . .	-863	...	...	...	...	...	...	...
Burma . . .	Northern Shan States.	Ounces. 5,993,956	SIL						
			Figures included						
	Total of preceding year.	5,900,400	...	...	...	...	...	...	...
	Difference . . .	+93,556	...	...	...	...	...	...	...
Bihar and Orissa	Siaghbhum . . .	Ounces 50	...	2	...	...	2	...	2
Burma . . .	Mergui . . .	...	...	...	...	...	...	...	...
	Southern Shan States.	...	...	...	...	...	...	...	...
	Total . . .	...	...	...	...	...	...	...	...
	Grand Total (Gold) for 1932.	50	...	2	...	...	2	...	2
	Grand Total for preceding year.	...	...	...	...	...	...	...	...
	Difference . . .	+50	...	+2	...	...	+2	...	+2

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1932 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.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.				Total Males.	
LEAD.															
in those for Lead Ore.															
...
...
VEB.															
in those for Lead Ore.															
...
...
LD.															
...	...	...	...	...	...	...	2	...	1	1	2	...	2	4
...	15	...	...	15	5	20	20	...	...	...	...	...	...	20
...	...	6	2	8	...	8	8	...	...	2	2	...	2	10
...	15	6	2	23	5	28	28	...	...	2	2	...	2	30
...	15	6	2	23	5	28	50	...	1	3	4	...	4	34	
...	
...	+15	+6	+2	+23	+5	+28	+30	...	+1	+3	+4	...	+4	+34	

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1932 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.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.			
ORE.														
...	...	...	84	84	28	109	109	...	...	...	...	...	109	
25	932	157	367	1,481	30	1,511	1,663	42	106	180	280	...	280	1,943
17	614	727	846	2,204	164	2,368	3,436	62	66	194	324	49	373	3,859
...	5	3	86	44	...	44	44	...	1	...	1	...	1	45
42	1,551	887	1,393	3,813	319	4,092	5,302	104	177	324	605	49	654	5,956
61	1,432	359	1,942	3,654	184	3,968	5,652	131	103	74	308	...	308	5,960
-19	+59	+528	-609	-41	+85	+44	-350	-27	+74	+250	+297	+49	+346	-4
ORE.														
in those for Tin Ore.														
...
...
...
ORE														
2	5	...	...	7	...	7	7	3	...	16	19	...	19	28

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1932 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.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and super- vising staff.	Skilled labour.	Unskilled labour.	Total Males.			
ORE— <i>contd.</i>														
45	481	115	55	696	570	1,266	1,266	15	28	8	46	40	86	1,352
47	466	115	55	708	570	1,278	1,278	18	28	19	65	40	105	1,378
87	302	26	25	390	337	727	722	8	23	77	108	27	135	907
+10	+184	+59	+30	+313	+283	+546	+501	+10	+5	-58	-48	+13	-30	+471
ORE.														
...	...	...	...	...	...	...	17	...	...	20	20	11	31	48
...	...	...	...	...	...	...	1,251	22	140	166	323	161	489	1,740
...	...	...	...	...	...	...	1,268	22	140	186	348	172	520	1,788
2	...	...	52	54	11	65	65	...	...	...	...	...	...	65
1	...	1	4	6	12	18	33	...	...	...	...	...	...	33
2	...	1	56	60	23	83	1,366	22	140	186	348	172	520	1,586
...	...	...	7	7	...	7	1,290	19	108	241	368	148	516	1,806
+3	...	+1	+49	+53	+23	+76	+76	+3	+32	-55	-20	+24	+4	+80

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.	Other skilled labour.	Other unskilled labour.	Total Males.		
		Cwt.						MI	
Bihar and Orissa.	Gaya	8,597	35	1,184	340	272	1,831	...	1,831
	Hazaribagh	15,500	208	2,494	232	786	3,715	...	3,715
	Monghyr . . . . .	...	1	5	8	3	12	...	12
	Total	24,097	239	3,683	575	1,061	5,558	...	5,558
Madras	Neelore	8,819	36	282	114	208	634	...	634
	Nilgiris	51	1	6	1	6	14	...	14
	Total	8,870	37	288	115	208	648	...	648
Rajputana	Ajmer-Merwara	177	3	28	...	...	26	...	26
	Grand Total (Mica) for 1932.	32,644	279	3,994	690	1,269	6,232	...	6,232
	Grand Total for preceding year.	38,863	390	5,627	663	1,740	8,420	...	8,420
	Difference	-6,219	-111	-1,633	+27	-471	-2,188	...	-2,188

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1932 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.		Total Males and Females.	Males.				Females.		Total Males and Females.	
	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.	Clerical and supervising staff.				Skilled labour.	Unskilled labour.	Total Males.					
CA.																
50	1,400	186	735	2,371	58	2,424	4,255	69	50	36	155	33	188	4,443		
41	729	41	147	958	30	988	4,703	183	218	339	690	208	898	5,601		
...	...	...	...	...	...	...	18	...	...	...	...	...	...	12
91	2,129	237	632	3,329	33	3,413	8,970	203	168	375	845	241	1,086	10,056		
18	66	24	80	188	216	404	1,038	49	150	188	387	490	877	1,865		
...	...	...	...	...	...	...	14	1	3	3	7	...	7	21
18	66	24	80	188	216	404	1,052	50	153	141	344	490	834	1,888		
1	7	1	...	9	16	27	53	...	11	...	11	...	11	64		
110	2,202	252	962	3,626	317	3,943	10,075	252	432	516	1,200	731	1,931	12,006		
146	2,327	603	877	3,458	602	4,055	12,475	305	792	672	1,769	706	2,475	14,950		
-36	-125	-351	+585	+73	-285	-212	-2,400	-53	-380	-156	-569	+25	-544	-2,944		

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1982 at mines under the Indian Mines Act—contd.

daily in and about the mines.

I.F.	Open workings.							Total Underground and Open workings.	Surface.					Grand Total.		
	Males.					Females.	Total Males and Females.		Males.				Total Males and Females.			
	Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Total Males.	Olerical and supervising staff.	Skilled labour.	Unskilled labour.			Total Males.	Females.
1	7	...	...	8	...	8	540	1	59	248	308	...	308	845
...	...	...	...	...	...	...	75	...	...	68	68	...	68	163
...	...	...	...	...	...	...	155	...	10	56	66	...	66	221
1	7	...	...	8	...	8	770	1	69	370	440	...	440	1,810
1	14	...	...	15	...	15	967	1	55	321	377	1	378	1,965
...	-7	...	...	-7	...	-7	-317	...	+14	+49	+63	-1	+62	-153
SITE.																
9	155	...	374	536	306	844	844	12	108	16	186	22	158	1,002		
10	88	...	48	141	63	224	224	11	110	...	121	3	124	348		
-1	+67	...	+331	+397	+223	+620	+620	+1	-3	+16	+13	+19	+34	+654		

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 Mateen.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
		Tons.						SLA	
Punjab .	Gurgaon . . .	1,581	...	...	...	...	...	...
	Kangra . . .	4,572	...	...	...	...	...	...
	Total . . .	6,103	...	...	...	...	...	...
	Grand Total (State) for 1932.	7,641	...	...	...	...	...	...
	Grand Total of preceding year.	7,955	1	5	75	46	127	127	
	Difference . . .	-814	-1	-5	-75	-46	-127	-127	
		Tons.						LIME	
Bihar and Orissa.	Ranchi . . .	4,235	...	...	...	...	...	...
	Shahabad . . .	228,867	...	...	...	...	...	...
	Singbhum . . .	1,479	...	...	...	...	...	...
	Total . . .	229,581	...	...	...	...	...	...
Burma . . .	Amherst . . .	20,130	...	...	...	...	...	...
	Northern States. Shan	23,859	...	...	...	...	...	...
	Total . . .	43,989	...	...	...	...	...	...
Central Provinces.	Bilaspur . . .	7,516	...	...	...	...	...	...
	Jubbulpore . . .	262,530	...	...	...	...	...	...
	Raipur . . .	1,776	...	...	...	...	...	...
	Yeotmal . . .	4,372	...	...	...	...	...	...
	Total . . .	276,894	...	...	...	...	...	...
Madras . . .	Kurnool . . .	850	...	...	...	...	...	...

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.	Other skilled labour.	Other unskilled labour.	Total Males.		
Punjab	Attock	Tons. 88,754	..	..	..	..	..	LIME
	Jhelum	30,811	..	..	..	..	..
	Rawalpindi	60,500	..	..	..	..	..
	Total	174,565	..	..	..	..	..
	Grand Total (Limestone) for 1933	725,378	..	..	..	..	..
	Grand Total of preceding year	862,226	..	..	..	..	..
Difference	-136,848	..	..	..	..	..	..
Bengal	Birbhum	Tons. 82,109	..	..	..	..	..	STONE (CHIEFLY IGNEOUS)
Bihar and Orissa.	Gaya	83,672	..	..	..	..	..	..
	Monghyr	21,685	..	..	..	..	..	..
	Shahabad	88,545	..	..	..	..	..	..
	Sambalpur	15,408	..	..	..	..	..	..
	Sonthal Parganas	287,673	..	..	..	..	..	..
	Singhbhum	73,460	..	..	..	..	..	..
Total	465,243	..	..	..	..	..	..
Bombay	Bombay	66,845	..	..	..	..	..	..
	Bombay Suburban	74,690	..	..	..	..	..	..
	Hyderabad	5,328	..	..	..	..	..	..
	Kaira	13,520	..	..	..	..	..	..
	Nasik	400	..	..	..	..	..	..
	Sukur	24,000	..	..	..	..	..	..
Surat	48,699	..	..	..	..	..	..
Thana	22,670	..	..	..	..	..	..
Total	196,658	..	..	..	..	..	..

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1932 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings.							Total Males and Females.	Total Underground and Open workings.	Surface.						Grand Total.		
Males.					Females.	Total Males and Females.			Males.				Females.	Total Males and Females.			
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.					Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.					
STONE—contd.																	
15	19	...	112	146	...	146	146	9	5	137	151	...	151	297			
2	36	...	...	86	...	86	86	1	...	48	49	...	49	67	
6	58	30	40	184	...	184	184	5	3	200	208	...	208	342			
23	118	80	152	318	...	318	318	15	8	385	408	...	408	726			
211	907	268	2,021	3,517	2,096	5,613	5,613	147	142	740	1,029	233	1,264	6,877			
223	1,004	396	2,263	3,905	1,972	5,878	5,878	151	137	920	1,206	240	1,446	7,326			
-13	-7	-108	-261	-388	+123	-265	-265	-4	+5	-180	-179	-5	-184	-449			
ROCK)																	
1	174	3	42	220	12	232	232	16	104	281	401	52	453	685			
25	60	41	217	348	185	528	528	...	1	...	1	...	1	529			
2	20	20	69	111	19	160	160	...	2	...	2	...	2	162			
15	10	2	362	389	65	474	474	...	...	...	...	...	...	474
4	67	...	71	71	...	71	71	...	1	...	1	...	1	72			
27	140	234	533	934	64	998	998	68	60	378	501	249	730	1,728			
8	...	1	253	262	157	419	419	2	...	...	2	...	2	421	
61	297	298	1,434	2,110	540	2,650	2,650	66	63	378	507	229	736	3,886			
...	16	109	121	246	68	312	312	6	12	15	38	64	97	409			
1	4	...	20	25	...	25	25	2	12	25	39	...	39	64			
...	...	...	62	62	...	62	62	...	...	...	...	...	...	62
2	...	10	...	12	...	12	12	5	2	60	68	10	70	90			
...	...	...	2	2	2	4	4	...	...	...	...	...	...	4
4	...	6	36	46	...	46	46	4	2	6	12	...	12	58			
8	18	46	182	254	149	403	403	6	1	10	17	...	17	420			
16	19	...	191	226	137	363	363	10	...	8	18	81	99	462			
81	57	171	614	873	354	1,227	1,227	38	30	124	187	155	342	1,569			

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 Mate.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.					
		Tons.							
STONE (CHIEFLY IGNEOUS)									
Burma	Bassein	...	...	...	...	...	...	...	...
	Lower Chhindwin	27,918	...	...	...	...	...	...	...
	Tavoy	750	...	...	...	...	...	...	...
	Thabon	143,790	...	...	...	...	...	...	...
	Toungoo	15,789	...	...	...	...	...	...	...
	Total	187,352	...	...	...	...	...	...	...
Central Provinces.	Akola	18,356	...	...	...	...	...	...	...
	Amraoti	9,943	...	...	...	...	...	...	...
	Chanda	4,012	...	...	...	...	...	...	...
	Saugor	4,960	...	...	...	...	...	...	...
	Total	37,250	...	...	...	...	...	...	...
Madras	Chingleput	53,167	...	...	...	...	...	...	...
	East Godavari	6,568	...	...	...	...	...	...	...
	Guntur	49,094	...	...	...	...	...	...	...
	Kistna	481	...	...	...	...	...	...	...
	Madura	845	...	...	...	...	...	...	...
	Ramanad	1,786	...	...	...	...	...	...	...
	South Arcot	282	...	...	...	...	...	...	...
Tinnevely	1,718	...	...	...	...	...	...	...
	Total	113,914	...	...	...	...	...	...	...
Panjab	Jhelum	68,618	...	...	...	...	...	...	...
	Mianwali	35,712	...	...	...	...	...	...	...
	Rawalpindi	10,530	...	...	...	...	...	...	...
	Sheikhupura	31,351	...	...	...	...	...	...	...
	Total	161,201	...	...	...	...	...	...	...
United Provinces.	Allahabad	984	...	...	...	...	...	...	...
	Banda	11,916	...	...	...	...	...	...	...
	Jhansi	27,354	...	...	...	...	...	...	...
	Saharanpur	5,426	...	...	...	...	...	...	...
	Total	45,680	...	...	...	...	...	...	...
	Grand Total (Stone) for 1933.	1,289,652	...	...	...	...	...	...	...
	Grand Total for preceding year.	1,607,592	...	...	6	15	...	...	21
	Difference	-317,940	...	...	-6	-15	...	...	-21

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1932 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.	
Workmen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.				Total Males.
ROCK) — contd.													
...	...	6	...	6	...	6	...	...	...	...	...	6
...	...	...	815	815	...	815	24	...	...	24	...	839
...	...	...	4	4	3	7	...	...	...	...	...	7
14	848	111	331	1,304	25	1,329	12	4	10	26	...	1,355	
...	...	...	137	217	...	217	...	...	...	...	...	217
14	928	117	787	1,848	28	1,874	36	4	10	50	...	1,924	
...	116	...	...	116	98	211	...	...	...	...	...	211
...	40	...	...	40	30	70	...	...	...	...	...	70
10	100	...	...	110	20	130	1	...	...	1	...	131
...	...	...	14	14	6	20	...	...	...	...	...	20
10	256	...	14	250	151	431	1	...	...	1	...	432
...	...	850	40	390	312	702	28	...	90	118	48	868	
...	15	26	48	84	34	118	2	...	10	12	...	130	
...	261	40	...	301	10	311	16	...	75	91	74	476	
...	...	...	6	6	...	6	2	...	10	12	10	22
...	...	...	48	46	...	46	...	...	...	...	...	28
...	...	...	52	52	77	129	...	...	...	...	...	46
...	...	...	15	15	4	19	...	...	...	...	...	129
...	1	...	6	11	10	21	...	...	...	...	...	19
...	...	...	...	...	...	...	...	...	...	...	...	21
...	317	420	208	905	447	1,352	48	...	185	228	182	1,712	
7	79	1	90	177	46	223	3	5	14	22	...	245	
4	...	...	100	104	50	154	...	...	...	...	...	154
7	...	...	67	74	...	74	...	...	30	30	...	104
...	...	...	...	...	...	...	...	...	60	60	...	60
18	79	1	257	355	90	451	3	5	104	112	...	563	
1	...	...	9	10	7	17	...	...	...	...	...	17
4	...	...	78	52	80	112	4	...	26	30	16	158
16	210	25	72	323	60	383	32	44	128	204	86	678	
2	...	59	...	61	53	93	4	1	33	37	...	180	
28	210	84	159	476	129	605	40	45	166	271	102	978	
178	2,278	1,094	3,615	7,063	1,757	8,822	238	251	1,268	1,757	670	11,249	
320	2,518	1,416	4,276	8,430	1,875	10,305	278	507	1,844	2,629	1,010	13,965	
—42	—240	—322	—761	—1,365	—116	—1,481	—40	—256	—576	—872	340	—2,716	

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*year 1932 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 Makos.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.			
STONE.														
4	39	44	22	109	27	136	136	...	...	...	...	...	...	136
3	4	8	60	75	...	75	75	2	...	4	6	...	6	81
1	1	6	17	25	5	30	30	1	...	...	1	...	1	31
...	...	2	7	9	7	16	16	...	2	...	2	...	2	18
1	1	8	24	34	12	46	46	1	2	...	3	...	3	49
6	44	60	106	218	39	257	257	3	2	4	9	...	9	266
6	65	18	35	124	32	156	156	4	2	...	6	...	6	162
+2	-21	+42	+71	+94	+7	+101	+101	-1	...	+4	+3	...	+3	+104

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.	Other skilled labour.	Other unskilled labour.	Total Males.		
Burma .	Thaton . . .	Tons. 23,351	...	...	...	...	...	...	LATE
	Tongoo . . .	56	...	...	...	...	...	...
	Total .	23,407	...	...	...	...	...	...
Central Provinces.	Jubbulpore . . .	3,798	...	...	...	...	...	...	...
.	Grand Total (Late-rite) for 1932.	27,205	...	...	...	...	...	...	...
	Grand Total for preceding year.	52,776	...	...	...	...	...	...	...
	Difference .	-25,571	...	...	...	...	...	...	...
Bihar and Orissa.	Singhbhum . . .	Tons. 2,702	}						GRA
	Chingleput . . .	14,946							
Guntur . . .	3,080								
South Arcot . . .	160								
Tinnevely . . .	4,364								
Madras .	Total .	22,350	...	...	...	...	...	...	Figures inclu
	Grand Total (Gravel) for 1932.	25,252	...	...	...	...	...	...
	Grand Total for preceding year.	25,701	...	...	...	...	...	...
	Difference .	-449	...	...	...	...	...	...

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1932 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.				Total Males and Females.	Females.	Males.				Total Males and Females.				
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.			Total Males.		Clerical and supervising staff.	Skilled labour.		Unskilled labour.	Total Males.	Females.	
RITE.														
...	...	...	16	16	...	16	16	...	2	...	2	...	2	18
...	...	...	2	2	...	2	2	...	...	...	...	...	...	2
...	...	...	18	18	...	18	18	...	2	...	2	...	2	20
3	11	5	14	33	29	62	62	3	...	8	11	...	11	73
3	11	5	32	51	29	80	80	3	2	6	13	...	13	93
2	3	1	61	67	20	107	107	2	...	3	5	...	5	113
+1	+8	+4	-49	-36	+9	-27	-27	+1	+2	+5	+8	...	+8	-19
VEL.														
ded in those for Stone.														
...
...
...

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 and Females.		
Workmen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.	Females.					
Bihar and Orissa.	Singhbhum . . .	Tons. 1,760								MU
Bombay	Bombay Suburban	842								
	Thana . . .	10,791								
	Total . . .	11,138								
Madras . . .	Guntur . . .	1,419								
	Kistna . . .	152								
	Total . . .	1,671								
United Provinces.	Allahabad . . .	929								
	Grand Total (Murum) for 1932.	15,384	...	...	...	...	...	...	...
	Grand Total for preceding year.	68,650	...	...	...	...	...	...	...
	Difference . . .	-49,266	...	...	...	...	...	...	...
Bengal . . .	Burdwan . . .	Tons. 9,438								FIRE
Bihar and Orissa.	Manbhum . . .	4,968								
	Sambalpur . . .	6,252								
	Total . . .	11,215								

Figures included in those for

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 Matos.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
Central Provinces.	Jubbulpore . .	Tons. 12,045	...	...	...	...	...	...	FIRE
	Grand Total (Fire Clay) for 1932.	82,698	...	...	...	...	...	...	...
	Grand Total for preceding year.	27,500	...	...	...	...	...	...	...
	Difference .	+5,198	...	...	...	...	...	...	...
Bihar and Orissa.	Bhagalpur . .	Tons. 250	...	...	...	...	...	...	CHINA
	Singhbhum . .	9,120	...	...	...	...	...	...
	Total .	9,370	...	...	...	...	...	...
Rajputana .	Ajmer-Merwara .	650	...	...	...	...	...	...
	Grand Total (China Clay) for 1932.	10,020	...	...	...	...	...	...	...
	Grand Total for preceding year.	17,884	4	24	...	41	69	...	69
	Difference .	-7,864	-4	-24	...	-41	-69	...	-69

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1982 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.		
Foreman and Mate.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.				
CLAY—contd.															
4	...	1	102	107	140	247	247	2	...	75	77	53	180	377	
8	85	45	180	318	187	505	505	6	4	197	207	95	302	807	
17	74	6	151	248	514	762	762	4	20	67	91	41	182	894	
-9	+11	+39	+39	+70	-327	-257	-257	+2	-16	+130	+116	+54	+170	-87	
CLAY.															
1	11	...	...	12	11	23	23	...	...	...	...	...	...	23
14	286	2	44	236	478	774	774	30	30	137	167	233	420	1,194	
15	247	2	44	308	489	797	797	20	30	137	157	233	420	1,217	
2	4	...	...	6	...	6	6	...	...	...	...	...	...	6
17	251	2	44	314	489	803	803	20	30	137	167	233	420	1,223	
15	194	13	40	263	361	623	692	15	24	112	151	111	262	954	
+2	+57	-11	+4	+52	+127	+130	+111	+5	+6	+25	+36	+122	+153	+269	

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.	Other skilled labour.	Other unskilled labour.	Total Males.		
Assam	Lakhimpur	Tons 6,495	...	...	...	...	..	CL
Bengal	Burdwan	2,745	..	...	..	...	...	..
Central Provinces.	Jubbulpore	4,556	...	...	...	...	...	...
Punjab	Attock	16,089	Figures included in those						
	Grand Total (Clay) for 1932.	29,685	...	...	...	...	...	...
	Grand Total for preceding year.	36,638	...	...	...	...	...	...
	Difference	-26,753	...	...	...	...	...	...
Madras	Anantapur	Tons. 166	...	...	...	...	...	BARY
	Cuddapah	1,297	...	...	...	...	..	...
	Kurnool	630	...	...	...	...	...	...
	Grand Total (Barytes) for 1932	2,098	...	...	...	...	...	...
	Grand Total for preceding year.	2,300	...	...	...	...	...	...
	Difference	-207	...	...	...	...	...	...

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1932 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 Mats.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.			
AY.														
1	..	..	15	16	6	22	22	1	..	..	1	..	1	23
..	27	..	..	27	18	45	45	..	6	..	6	..	6	51
1	10	..	5	16	..	16	16	1	8	..	9	9	18	34
for Limestone.														
2	37	..	20	59	24	83	83	2	14	..	16	9	25	108
6	..	86	80	122	74	196	196	9	..	..	9	..	9	205
-4	+37	-86	-60	-68	-50	-118	-118	-7	+14	..	+7	+9	+16	-97
TES.														
..	12	..	..	12	12	24	24	2	..	..	2	..	2	26
..	45	8	8	61	38	99	99	12	16	..	36	64	100	199
..	4	6	30	40	13	58	58	..	..	..	..	..	..	53
..	61	14	38	113	63	176	176	14	16	8	38	64	102	278
2	12	5	76	95	..	95	95	8	..	24	27	27	54	149
-2	+49	+9	-85	+18	+63	+81	+81	+11	+16	-16	+11	+37	+48	+129

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.	Other skilled labour.	Other unskilled labour.	Total Males.		
Burma	Tavoy	lb.	BIS						
		27	Figures included in those						
	Total for preceding year.	42	...	...	...	...	...	...	...
	Difference .	-15	...	...	...	...	...	...	...
Rajputana	Ajmer-Merwara .	Tons.	FELS						
		478	...	...	...	...	...	...	...
	Total for preceding year.	333	...	...	...	...	...	...	...
	Difference .	+140	...	...	...	...	...	...	...
	Grand Total (Metal-liferous Mines) for 1932.	...	897	6,651	1,400	4,035	12,488	128	12,611
	Grand Total for preceding year.	...	586	8,922	1,536	5,539	16,563	209	16,772
	Difference .	...	-169	-2,271	-136	-1,504	-4,080	-31	-4,161
	Grand Total (All Minerals) for 1932.	...	...	...	...	...	96,196	14,711	110,907
	Grand Total for preceding year.	...	...	...	...	...	98,885	16,841	115,726
	Difference .	...	...	...	...	...	-2,689	-2,130	-4,819

DIX I—*concl.*

AND MINERALS—*concl.*

No. 1—*concl.*

year 1932 at mines under the Indian Mines Act—*concl.*

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.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.			
MUTH.														
for Tin Ore.														
...
...
PAB.														
1	6	...	...	7	1	8	8	...	...	...	...	...	...	8
1	1	...	6	8	1	9	9	...	...	...	...	...	...	9
...	+3	...	-6	-1	...	-1	-1	...	...	...	...	...	...	-1
888	11,344	3,112	9,230	24,524	8,445	32,969	45,580	1,054	1,774	4,874	7,702	3,687	10,589	56,169
1,250	14,407	3,339	11,134	39,120	11,612	41,732	58,504	1,355	2,413	6,719	10,867	3,624	14,011	72,515
-412	-3,063	-217	-1,904	-5,596	-2,167	-8,763	-12,924	-201	-639	-1,945	-2,685	-737	-3,422	-16,246
...	...	...	...	30,253	10,761	41,017	151,924	...	...	...	39,899	12,835	52,734	204,653
...	...	...	...	83,883	16,079	54,912	170,638	...	...	...	45,157	14,987	60,144	230,782
...	...	...	...	-3,577	-5,818	-13,895	-18,714	...	...	...	-5,253	-2,152	-7,410	-26,124

DIX I—contd.

No. 2.

each important mining field during the year 1932.

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.
47	48	45	46	46	44	54	52	52	50
47	48	48	40	34	48	58	51	50	49
37	30	30	...	30	32	47	44	36	39
13	45	52	58	34	...	45	47	41	41
48	...	...	...	51	...	44	47	45	24
...	...	...	...	...	...	36	42	36	42
...	...	...	48	46	46	52	53	52	50
42	42	...	45	42	40	47	47	47	50
47	44	...	45	46	45	50	48	48	47
49	44	...	48	48	46	40	49	47	48
49	48	...	48	48	47	48	48	48	46
48	48	...	44	46	48	46	48	48	48
49	...	...	...	48	...	52	52	50	...
51	46	...	48	48	44	46	50	50	47
54	54	...	...	...	...	54	44	46	...
44	44	...	48	44	44	45	48	44	48
30	43	...	51	51	...	46	...	48	...
47	44	...	42	47	45	48	43	44	48

Table

Analysis of figures relating to

Province.	Coalfield.	Coal.					
		Opening stock.	Raisings.	Total.	Despatches.	Colliery consumption.	Coal delivered for coking.
		Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Assam . . .	Makum . . .	...	170,299	170,299	156,978	10,628	2,698
	Naxira . . .	801	38,408	39,204	36,982	1,380	...
	Sibsagar . . .	324	100	424	75	...	...
Baluchistan .	Baluchistan . .	891	13,957	14,848	13,642	92	...
Bengal (and part of Bihar and Orissa).	Raniganj . . .	328,592	6,419,007	6,747,599	5,785,906	422,301	51,324
Bihar and Orissa.	Jharia . . .	953,021	8,551,283	9,504,304	6,835,254	479,880	1,115,068
	Bokaro . . .	7,644	1,346,978	1,354,617	1,279,174	50,323	16,293
	Karanpura . .	6,799	409,566	416,365	398,693	14,297	...
	Giridih . . .	55,354	563,248	638,597	551,726	23,689	...
	Jainty . . .	1,523	43,163	44,686	32,577	11,199	...
	Hingir-Rampur .		19,498	20,069	16,690	3,887	...
Central Provinces.	Pench Valley .	10,423	831,817	842,240	778,005	49,186	...
	Chanda . . .	4,091	217,421	221,512	196,230	20,252	...
Punjab . . .	Salt Range . .	1,476	72,857	74,333	68,264	2,357	...
	- Total 1933 . .	1,371,580	16,719,587	20,091,117	16,153,757	1,087,991	1,185,400

DIX I—contd.

No. 3.

the output of Coal and Coke, 1932.

		Coke.									
Coal despatched to coke factories.	Closing stocks.	Opening stocks.		Coke made.		Despatches.		Colliery consumption.		Closing stocks.	
		Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
...	...	...	...	517	...	495	...	21	...	...	...
...	892	...	...	...	...	...	...	...	...	...	...
...	849	...	...	...	...	...	...	...	...	...	...
...	1,114	...	...	...	...	...	...	...	...	...	...
...	488,068	...	1,852	...	36,858	...	37,120	...	272	...	1,818
1,404,657	1,074,032	8,163	5,896	54,899	719,960	49,455	715,723	248	617	13,859	9,476
4,097	10,825	233	...	5,605	3,390	4,975	3,193	21	...	892	197
...	3,275	...	...	...	...	...	...	...	...	...	...
34,149	63,530	...	...	...	...	...	...	...	...	...	...
...	910	...	...	...	...	...	...	...	...	...	...
...	33	...	...	...	...	...	...	...	...	...	...
...	15,090	...	...	...	...	...	...	...	...	...	...
...	3,080	...	...	...	...	...	...	...	...	...	...
...	3,712	...	...	...	...	...	...	...	...	...	...
1,442,903	1,664,969	8,446	7,688	61,021	760,228	54,928	756,086	290	969	14,251	10,991

APPENDIX I—*contd.*

Table No. 4.

Numbers of mines opened, closed and inspected, during the year 1932.

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.								
Assam	Lakhimpur—Makum Coalfield	6	6	...	...	1	7	21
	Naga Hills—Nasira	1	...	1	...	...	1	3
	Sibsagar	1	...	1	...	1	1	1
Baluchistan	Baluchistan Coalfield	14	...	14	2	2	12	15
Bengal (and part of Bihar and Orissa).	Raniganj Coalfield	197	158	44	18	18	205	808
Bihar and Orissa.	Jharia Coalfield	225	168	57	15	27	242	1,129
	Bokaro	5	5	...	...	...	5	16
	Karanpura Coalfield	4	3	1	...	...	4	9
	Giridih Coalfield	8	5	3	2	2	8	38
	Jainty	7	1	6	2	...	6	6
	Hingir-Rampur Coalfield	1	1	...	...	...	1	1
Central Provinces.	Pench Valley Coalfield	22	18	9	7	2	21	58
	Chanda Coalfield	6	6	...	...	...	5	15

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1932—*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—<i>contd.</i>								
Punjab . . .	Salt Range Coalfield . . .	18	...	18	9	5	18	14
	Grand Total (Coal) for 1932 . . .	515	361	154	50	56	581	2,129
	Grand Total of preceding year.	540	382	168	45	67	514	1,963
	Difference . . .	-25	-21	-4	+5	-9	+17	+146
IRON ORE.								
Bihar and Orissa	Siughbhum	2	..	2	..	..	2	5
Burma . . .	... . . . .	3	...	3	3	...	2	2
	Grand Total (Iron Ore) for 1932	5	...	5	3	...	4	7
	Grand Total of preceding year.	10	2	8	1	7	4	4
	Difference . . .	-5	-2	-3	+2	-7	..	+3
MANGANESE ORE.								
Bihar and Orissa	Siughbhum	7	...	7	3	5	9	9
Bombay . . .	... . . . .	3	1	2	1	1	...	...

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1932—*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.	...	10	1	9	1	6	10	20
Madras	Vizagapatam	3	...	3	3	...	2	2
	Grand Total (Manganese Ore) for 1932.	23	2	21	3	12	21	31
	Grand Total of preceding year.	56	8	48	6	38	19	20
	Difference	-33	-6	-27	+2	-26	+2	+11
LEAD ORE.								
Burma	...	2	2	...	...	...	1	3
	Total of preceding year	2	2	...	...	...	2	14
	Difference	...	..	..	..	..	-1	-11
GOLD.								
Bihar and Orissa	Singhbhum	1	...	1	1	...	...	...
Burma	...	2	...	2	2	...	1	2
	Grand Total (Gold) in 1932	3	...	3	3	...	1	2
	Grand Total of preceding year	1	...	1	...	1	1	1
	Difference	+2	...	+2	+3	-1	...	+1

APPENDIX I—*contd.*Table No. 4—*contd.*Number of mines opened, closed and inspected, during the year 1932—*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 . . . . .	... . . . .	188	8	135	57	21	43	52
	Total of preceding year	186	5	131	27	23	27	31
	Difference	+2	-2	+4	+30	-1	+16	+21
CHROMITE ORE.								
Baluchistan	Zhob	1	...	1	1	1	...	...
Bihar and Orissa	Singhbhum	8	...	8	2	...	5	5
	Grand Total (Chromite Ore) for 1932.	9	...	9	3	1	5	5
	Grand Total of preceding year	39	...	39	2	33	11	11
	Difference	-30	...	-30	+1	-32	-6	-6
COPPER ORE.								
Bihar and Orissa . . . . .	... . . . .	2	1	1	...	...	2	7
Madras	Nellore	1	...	1	1	1	...	...
Rajputana	Ajmer-Merwara	1	...	1	1	1	...	...
	Grand Total (Copper Ore) for 1932.	4	1	3	2	2	2	7
	Grand Total of preceding year	3	1	2	...	1	2	3
	Difference	+1	...	+1	+2	+1	...	+4

APPENDIX I—contd.

Table No. 4—contd.

Number of mines opened, closed and inspected, during the year 1932—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.
MAGNESITE.								
Madras	Salem	4	...	4	2	...	1	1
	Total of preceding year	2	...	2	...	1	1	1
	Difference	+2	...	+2	+2	-1	...	-1
STEATITE.								
Bihar and Orissa.	Singhbhum	2	...	2	...	...	2	2
Central Provinces.	Jubbulpore	3	...	3	2	1	...	...
Madras	Nellore	2	...	2	...	...	2	2
United Provinces.	Hamirpur	6	...	6	5	4	...	...
	Grand Total (Steatite) for 1932	18	...	18	7	5	4	4
	Grand Total of preceding year	19	...	19	5	13	32	36
	Difference	-6	...	-6	+2	-8	-28	-32

APPENDIX I—*contd.*Table No. 4—*contd.*Number of mines opened, closed and inspected, during the year 1932—*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.
SLATE.								
Bihar and Orissa.	...	7	...	7	2	1	2	2
Punjab	...	13	...	13	2	1	...	...
	Grand Total (Slate) for 1932	20	...	20	4	2	2	2
	Grand Total of preceding year	19	...	19	5	2	12	16
	Difference	+1	...	+1	-1	...	-10	-14
LIMESTONE.								
Bihar and Orissa.	...	11	...	11	3	1	10	10
Burma	...	6	...	6	2	...	3	4
Central Provinces.	...	21	2	19	10	4	15	21
Madras	Kurnool	1	...	1	1	1	1	1
Punjab	...	5	1	4	1	...	2	2
	Grand Total (Limestone) for 1932	44	3	41	17	6	31	3
	Grand Total of preceding year	40	4	36	4	7	28	31
	Difference	+4	-1	+5	+13	-1	+3	+7

APPENDIX I—*contd.*Table No. 4—*contd.*Number of mines opened, closed and inspected, during the year 1932—*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.								
Bengal . . .	Birbhum	4	1	3	...	...	2	2
Bihar and Orissa.	53	...	53	13	8	31	33
Bombay	18	2	16	7	4	32	46
Burma	10	...	10	2	2	17	23
Central Provinces.	5	...	5	1	1	11	17
Madras	23	...	23	17	5	15	15
Punjab	11	1	10	...	...	3	3
United Provinces.	16	...	16	4	2	...	...
Grand Total (Stone) for 1932		140	4	136	44	23	111	139
Grand Total of preceding year		149	4	145	28	33	130	208
Difference		-9	...	-9	+16	-11	-19	-69
LATERITE.								
Burma	2	...	2	1	...	1	1
Central Provinces.	Jubbulpore	2	...	2	...	...	3	4
Grand Total (Laterite) for 1932		4	...	4	1	...	4	5
Grand Total of preceding year		5	...	5	1	1	1	1
Difference		-1	...	-1	...	-1	+3	+4

APPENDIX I—*contd.*Table No. 4—*contd.*Number of mines opened, closed and inspected, during the year 1932—*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	3	...	3	1	...	4	4
Burma . . .	Tonngoo	1	...	1	...	...	1	1
United Provinces.	... . . . .	3	...	3	...	...	...	...
	Grand Total (Sandstone) for 1932.	7	...	7	1	...	5	5
	Grand Total of preceding year.	7	...	7	...	...	10	11
	Difference	...	...	...	+1	...	-5	-6.
FIRE CLAY.								
Bengal . . .	Burdwan	2	...	2	...	...	3	4
Bihar and Orissa.	... . . . .	3	...	3	1	1	2	2
Central Provinces.	Jubbulpore	3	...	3	1	1	4	6
	Grand Total (Fire Clay) for 1932	8	...	8	2	2	9	12
	Grand Total of preceding year.	9	1	8	2	2	8	3
	Difference	-1	-1	...	...	...	+6	+9

APPENDIX I—*contd.*Table No. 4—*contd.*Number of mines opened, closed and inspected, during the year 1932—*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.	5	...	CHINA CLAY.				3	3
Rajputana	Ajmer-Merwara	1	...	1	...	...	...	...
	Grand Total (China Clay) for 1932.	6	...	6	1	1	2	3	
	Grand Total of preceding year	11	...	11	4	5	14	17	
	Difference	-5	...	-5	-3	-4	-11	-14	
Assam	Lakhimpur	1	...	CLAY.				1	1
Bengal	Burdwan	1	1	...	1	...	...	...
Central Provinces.	Jubbulpore	1	...	1	...	...	1	2
	Grand Total (Clay) for 1932	3	1	2	1	1	2	3	
	Grand Total of preceding year	4	1	3	2	1	1	1	
	Difference	-1	...	-1	-1	...	+1	+2	
Central Provinces.	Chanda	2	...	OCBRE.				2	2
United Provinces.	Banda	1	...	1	...	...	...	...
	Grand Total (Ochre) for 1932	3	...	3	...	1	2	2	
	Grand Total of preceding year	3	...	3	1	...	...	...
	Difference . . . . .	...	...	...	-1	+1	+2	+2

APPENDIX I—*contd.*Table No. 4—*contd.*Number of mines opened, closed and inspected, during the year 1932—*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.
Madras . . .			BARYTES.					
	... . . . .	7	...	7	3	...	4	4
	Total of preceding year . . .	4	...	4	3	...	1	1
	Difference . . .	+3	...	+3	...	...	+3	+3
Madras . . .			APATITE.					
	Trichinopoly	1	...	1	...	...	...	...
	Total of preceding year . . .	1	...	1	...	...	1	1
	Difference . . .	...	...	...	...	...	-1	-1
Bihar and Orissa.			KYANITE.					
	Singhbhum	1	...	1	...	1	1	2
	Total of preceding year . . .	2	...	2	1	1	1	1
	Difference . . .	-1	...	-1	-1	...	...	+1

APPENDIX I—*contd.*Table No. 4—*concl'd.*Number of mines opened, closed and inspected, during the year 1932—*concl'd.*

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.
			BERYL.					
Rajputana	Ajmer-Merwara	2	...	2	1	...	...	...
	Total of preceding year	1	...	1	1	...	...	...
	Difference	+1	...	+1	...	...	...	...
			FELSPAR.					
Rajputana	Ajmer-Merwara	1	...	1	...	...	...	...
	Total of preceding year	1	...	1	...	...	1	1
	Difference . . . . .	...	...	...	...	...	-1	-1
			SAND.					
Bengal	Burdwan . . . . .	...	...	...	...	...	2	2
	Total of preceding year . . . . .	...	...	...	...	...	...	...
	Difference . . . . .	...	...	...	...	...	+2	+2
	Grand Total (Metaliferous Mines) for 1932.	766	45	731	298	190	292	357
	Grand Total of preceding year	877	66	811	162	339	494	575
	Difference	-111	-21	-90	+136	-149	-202	-218
	Grand Total (All Minerals) for 1932.	1,281	406	875	348	248	818	2,486
	Grand Total of preceding year	1,417	448	969	207	406	996	2,558
	Difference	-136	-42	-94	+141	-158	-178	-72

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 slate, magnesite, steatite, clay, fuller's earth, ochre, barytes, apatite, stone, kyanite, gypsum, feldspar and beryl.

Year.	Coal.	Manga- nese ore.	Mica.	Lime- stone.	Salt.	Gold.	Copper ore.	Wolfram ore.	Iron ore.	Chro- mite ore.	Tin ore.	Lead ore.	Silver.
	Tons.	Tons.	Cwts.	Tons.	Tons.	Troy Ozs.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Troy ozs.
1923	18,763,967	546,378	31,805	236,161	118,700	1,519	6,550	872	292,033	25,233	1,031	245,923	4,844,042
1924	20,256,034	608,381	40,529	513,333	159,018	3,646	38	739	430,805	27,850	1,027	310,388	5,287,960
1925	19,969,041	710,347	45,393	614,232	125,306	283	...	772½	529,370	21,236	2,307	331,854	4,631,569
1926	20,093,024	867,099	41,461	637,323	122,801	1,053	9,508	751	600,363	16,455	2,569	362,904	5,103,705
1927	21,108,976	878,521	42,061	1,132,235	145,311	2,395	5,010	530	1,066,381	17,086	2,656	430,777	6,004,686
1928	21,515,796	716,626	44,629	1,404,578	145,543	7	18,055	623	1,306,754	17,167	2,777	443,054	7,404,728
1929	22,308,174	750,008	40,437	1,313,647	148,496	30	76,931	1,061	1,430,385	31,054	3,384	454,561	7,380,517
1930	22,883,861	623,678	63,510	1,143,813	147,378	30	123,740	1,509	1,133,899	30,488	3,001	530,119	7,054,206
1931	20,514,597	347,373	48,177	862,226	134,910	..	153,636	960	530,176	14,938	2,552	397,679	5,900,400
1932	18,719,597	68,119	33,643	725,378	180,286	60	175,376	848	673,434	7,866	2,967	372,566	5,998,966

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 1923 to 1932 in respect of coal mines under the Indian Mines Act :—

Year.	Amount of coal raised.	Average number of persons work- ing 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.
1923	Tons. 18,763,967	182,601	382	17-69	1-82
1924	20,256,034	197,088	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	21,108,976	165,213	181	8-57	1-10
1928	21,515,796	164,189	218	10-13	1-33
1929	22,308,174	165,653	194	8-70	1-17
1930	22,883,861	169,001	211	9-30	1-25
1931	20,514,597	158,267	186	9-03	1-17
1932	18,719,597	148,489	151	8-07	1-02

APPENDIX I—contd.

Table No. 7.

Aggregate horse power and purpose for use of electric motors installed both on 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 . . . . .	...	117	265	7	88	477	60	...	115	...	60	592
Bokaro	723	235	250	187	1,077	2,412	315	871	115	310	1,611	4,023
Central Provinces . . . . .	...	...	...	...	72	72	65	174	95	2	336	408
Giridih	165	370	...	130	412	1,107	817	3,033	124	...	3,976	5,068
Jharia	3,285	995	2,256	1,047	2,130	9,615	7,834	18,961	2,771	1,461	31,027	40,642
Karanpura . . . . .	...	75	750	95	302	1,324	...	353	62	...	415	1,637
Punjab . . . . .	...	...	...	...	...	...	...	12	...	...	12	12
Raniganj	2,907	1,390	520	717	424	5,958	6,395	12,286	3,664	81	22,426	28,384
Total	6,960	3,172	4,043	2,193	4,530	20,856	15,486	35,690	6,831	1,556	59,868	80,721

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.

Province.	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	4	592	...	...	...	...	592
Bengal	51	24,945	...	...	1	50	24,945
Bihar and Orissa	61	54,874	...	...	8	1,641	56,715
Bombay . . . . .	...	...	...	...	...	...	...
Burma . . . . .	...	...	2	3,817	3	1,299	5,116
Central Provinces	3	408	...	...	3	313	721
Madras . . . . .	...	...	...	...	1	160	160
Punjab	1	12	...	...	2	891	903
Total	124	80,721	2	3,817	13	4,554	89,092

APPENDIX I—*contd.*

Table No. 9.

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

Name of machine.	British.	American.	Chain.	Bar.	Percussive.	Power.			Total number of machines.
						Electricity.		Compressed air.	
						A. C.	D. C.		
Goodman . . . . .	...	70	70	...	...	49	21	...	70
Hardy	10	...	...	...	10	10	...	...	10
Mavor and Coulson	71	...	29	42	...	67	1	3	71
Sullivan . . . . .	...	6	6	...	...	6	...	...	6
Total	81	76	105	42	10	132	22	3	157

Jharia coalfield	52 machines	} Total number of square feet undercut 10,017,873.
Raniganj coalfield	95 "	
Bokaro coalfield	8 "	
Karanpura coalfield	4 "	
Central Provinces coalfield	8 "	

Table No. 10.

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

Assam.	Bengal.	Bihar and Orissa.	Central Provinces.	Total.
10	27	43	10	90

Table No. 11.

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

Assam.	Baluchistan.	Bengal.	Bihar and Orissa.	Punjab.	Total.
1,839	4	11,490	10,257	3	23,593

1,834 were locked by screws, 7,786 by lead rivets and 14,503 by magnetic means.

APPENDIX I—*conold.*

Table No. 12.

Statement of explosives used during the year 1932 at mines under the Indian Mines Act.

Name of explosives.	Quantity of explosives used, in lb., in—								Total.
	Coal mines.	Mica mines.	Manga- nese mines.	Lead ore mines.	Tin and Wolfram ore mines.	Lime- stone mines.	Stone mines.	Other mines.	
Dynamite . . .	42,652	46,912	4,221	...	1,694	2,229	3,603	16,572	117,893
Gelignite . . .	28,874	16,904	7,068	180,956	1,757	2,434	16,846	809,702	514,536
Monobel . . .	15,046	...	...	...	...	...	...	...	15,046
Stonobel . . .	94,912	...	...	...	...	...	...	...	94,912
Dynobel . . .	8,225	...	...	...	...	...	...	...	8,225
Bobbinite . . .	1,462	...	...	...	...	...	...	...	1,462
Samsonite . . .	50	...	...	...	...	...	...	...	50
Rockite . . .	1,721	...	...	...	...	...	...	...	1,721
Pranoda . . .	5	...	...	...	...	...	...	...	5
Liquid Oxygen . . .	44,699	...	...	...	...	...	...	1,020	45,729
Gunpowder . . .	2,290,142	775	4,445	...	...	138,690	90,964	109,553	2,629,569
Picric Powder . . .	...	...	...	...	...	...	978	...	978
Number of detonators used.	590,758	498,513	72,455	236,927	46,654	21,120	84,468	411,368	1,957,333

APPENDIX II.
ACCIDENTS IN MINES.

Table No. 1.
Fatal Accidents during the year 1932.

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—(7 deaths).						
1	9th April, 5-30 A.M.	Methani mine, Sitarampur P. O., Bengal.	Aldih Coal Co., Ld.	Topsi Singh, (m.), 38, <i>Machineman.</i> Panchram Nai, (m.), 36; Hiralal Satram, (m.), 30, <i>Loaders.</i> Jagdish Lall, (m.), 34, <i>Explosive carrier.</i> Lakshmi Prasad, (m.), 26, <i>Labourer.</i>	Coal	An explosion of fire-damp occurred in an underground gallery and the flame extended for a distance of 800 feet. Seven persons were severely injured and five of them subsequently died. Inspection and inquiry made.
2	13th June, 11 A.M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Bhatu Kole, (m.), 36, <i>Coal-cutter.</i>	Coal	In an open light mine and in a seam in which inflammable gas had never been found, a miner ignited a small accumulation of gas at the face of a gallery rising at 1 in 8. He was severely burned and died five hours later. Inspection and inquiry made.
3	18th June, 9 A.M.	Sitanala mine, Bhojudih P. O., Bihar and Orissa.	Bengal Coke and Coal Products, Ld.	Rohini Kora, (m.), 34, <i>Coal-cutter.</i>	Coal	In a mine in which inflammable gas had never been found, a miner, carrying an open light, entered a narrow gallery driven in advance of the main gallery and ignited a small accumulation of fire-damp. He received burns from which he subsequently died. Inspection and inquiry made.

FALLS OF ROOF AND SIDES.

(a) Falls of roof—(52 deaths).

4	2nd January, 4-30 A.M.	Phularitand mine, Katrasgarh P. O., Bihar and Orissa	Chaudamull Indrakumar.	Jodha Kurmi, (m.), 32, Coal-carrier.	Coal	After blasting operations, the roof in a gallery was found to be unsound and the gallery was fenced. Two loaders passed under the fence and entered the gallery, and while they were there a mass of stone, 12' x 5' x 6', fell on them from between two "slips" at a height of 15 feet. One of them was killed and the other was seriously injured. Inspection and inquiry made.
5	8th January, 11 P.M.	Dishergarh West mine, Dishergarh P. O., Bengal.	Equitable Coal Co., Ld.	Bagoo Jaswar, (m.), 48, Timberman.	Coal	While clearing a fall of roof stone a miner was killed and two others were severely injured by a slab of roof stone, 5' x 3' x 3", which fell unexpectedly from a height of 7 feet. Inspection and inquiry made.
6	29th January, 5-30 A.M.	Bhuggutdih mine, Jharia P. O., Bihar and Orissa.	Bengal-Nagpur Coal Co., Ld.	Jagru Pasi, (m.), 35, Coal-cutter.	Coal	A miner employed in extracting a pillar of coal was sitting near by in a gallery 10 feet high, when a piece of stone, 1' 6" x 1' x 2", fell from the roof and struck him on the head. He was fatally injured. Inspection and inquiry made.
7	3rd February, 4-30 A.M.	Mundalpur mine, Nandi P. O., Bengal.	Mundalpur Co., Ld.	Jitan Manjhi, (m.), 30, Coal-cutter.	Coal	While a miner was drilling a shot-hole in a gallery a mass of roof stone, 14' x 3' x 2", fell unexpectedly from a height of 8 feet. He was fatally injured. Inspection and inquiry made.
8	13th February, 5-30 A.M.	Pure Pipratand mine, Mohuda P. O., Bihar and Orissa.	Bhuraugya Co.	Dinnu Meah, (m.), 40, Sirdar.	Coal	Deceased was withdrawing a prop in a depillaring area of a mine, when he was struck by a mass of stone 12' x 2'-6" x 1', which fell from the roof, 5 feet above. He sustained injuries to which he succumbed half an hour later. Inspection and inquiry made.
9	16th February, 8-30 A.M.	Serampur mine, Giridih P. O., Bihar and Orissa.	East Indian Railway.	Sona Manjhi, (m.), 24, Coal-cutter.	Coal	Deceased was loading coal in a place where a pillar of coal was being extracted when a piece of roof stone, 3' x 1' x 6", fell from a height of 14 feet. He was struck by the stone and sustained injuries which proved fatal. Inspection and inquiry made.
10	8th March, 2-30 P.M.	Kurhurbarec (Joktiabad) mine, Giridih P. O., Bihar and Orissa.	East Indian Railway.	Peru Kalal, (m.), 48, Coal-cutter.	Coal	A miner was dressing roof coal in a gallery, 8 feet high, when about one ton of coal fell from the roof. He was struck by the coal and fatally injured. Inspection and inquiry made.
11	18th March, 10-30 A.M.	Lodna mine, Jharia P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ld.	Bhama Mullick, (m.), 52, Coal-cutter.	Coal	While a miner was at work in a gallery, 25 feet high, where roof coal had recently been blasted, a mass of stone, 10' x 8' x 9", fell from the roof. He was struck and killed instantly. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1932—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—contd.						
13	30th March, 1 P.M.	Serampur mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Somri Dasadhin, (f.), 28, Coal-carrier.	Coal	A pillar of coal was being extracted when a sudden weight in the goaf caused a mass of coal weighing about 5 tons to fall from the roof of a gallery 8 feet high. A woman was struck by the coal and killed instantly. Inspection and inquiry made.
13	2nd April, 2 P.M.	Sendra Banejora mine, Bansjora P. O., Bihar and Orissa.	Sendra Banejora Colliery Co.	Balkis Chamar, (m.), 36, Coal-cutter. Bhundi Chamarin, (f.), 26, Coal-loader.	Coal	While a miner was illegally cutting roof coal from the broken edge of a fenced off goaf, a mass of stone, 2' x 1' 6" x 1' 6", fell from the roof. He was struck by the stone and fatally injured. The stone rolled down a steep slope of goaf debris and killed his wife, who was loading coal for him at the foot of the slope. Inspection and inquiry made.
14	4th April, 3 P.M.	Phularitand mine, Katrasgarh P. O., Bihar and Orissa.	Chandanmull Indra- kumar.	Bhaysaram Gond, (m.), 36, Coal-cutter.	Coal	The extraction of a pillar of coal in a seam, 1½ feet thick, had been commenced from a level gallery. A miner engaged in cutting coal from the pillar was struck and killed instantly by a mass of stone, 25' x 6' x 9", which fell from the roof. If the roof had been adequately supported, the accident would have been avoided. Inspection and inquiry made.
15	6th April, 1-45 P.M.	Newton Chikli mine, Parasia P. O., Central Provinces.	Newton Chikli Collieries, Ltd.	Ramoutar, (m.), 30, Coal-cutter.	Coal	A miner was fatally injured by a prop which was knocked out when a mass of roof stone, 12' x 6' x 3', fell within a fenced-off area next to the goaf. Inspection and inquiry made.
16	8th April, 5-30 A.M.	Ledo Valley mine, Ledo P. O., Assam.	Assam Railways and Trading Co., Ltd.	Laloo Lodh, (m.), 28, Timberman.	Coal	In the course of erecting girders to support the roof on a main haulage road, deceased, who was clearing fallen coal was fatally injured by a piece of coal weighing 5 cwt. which fell upon him from a height of 11 feet. He died eight days later. Inspection and inquiry made.
17	13th April, 12 A.M.	Toposi mine, Toposi P. O., Bengal.	Bansra Coal Co., Ltd.	Bhagirath Chamar, (m.), 30, Loader.	Coal	In the depillaring of a seam of coal, 11 feet thick, a mass of roof-stone, 34' x 9' x 2' 6", broke down its supports and fell killing a miner instantly. Inspection and inquiry made.

18	13th April, 5 P.M.	Kurhoree mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Sita Bai, (m.), 35; Amrit Bai (m.), 30, Coal-cutters.	Coal	In a depillaring area where a number of persons were at work, a mass of coal weighing about 100 tons fell from the roof of a gallery inflicting fatal injuries on two miners. Another miner was seriously injured. The fall was said to have been preceded by an unusually heavy "bump". Inspection and inquiry made.
19	26th April, 3-30 P.M.	Chinchuria mine, Asansol P. O., Bengal.	New Beerbhoom Coal C., Ltd.	Budhan Gord. (m.), 35, Loader.	Coal	While loading coal in a gallery, a miner was struck by a lenticular mass of roof-stone, 17' x 3' x 1', which fell unexpectedly from a height of 12 feet. He was killed instantly. Inspection and inquiry made.
20	29th April, 10 A.M.	New Pipratand mine, Mohuda P. O., Bihar and Orissa.	Rai Bahadur P. Mukherjee.	Budhu Mnohi, (m.), 22, Labourer.	Coal	While props were being set in a gallery 17 feet wide and 5 feet high adjacent to a depillaring area a mass of coal and shale, 20' x 10' x 1', fell from the roof and dislodged 8 props. A miner at work at the edge of the fall was struck on the head by a falling prop and sustained injuries from which he died eight hours later. Inspection and inquiry made.
21	30th April, 9 A.M.	Bansdeopur mine Bansjora P. O., Bihar and Orissa.	Bansdeopur Coal Co., Ltd.	Hiramon Dosadh, (m.), 26; Jamuna Bania, (m.), 27, Labourers.	Coal	While props were being withdrawn from a depillared area, 36' x 30', in a seam 10 feet thick and dipping at 1 in 3½, the roof collapsed. Two men who were assisting to remove the props were buried in the goaf. Inspection and inquiry made.
22	2nd May, 11 P.M.	Ledo Valley mine, Ledo P. O., Assam.	Assam Railways and Trading Co., Ltd.	Abdul Hamid, (m.), 28, Coal-filler.	Coal	While a miner was at work in an "opening" or chamber, 30 feet square and 20 feet high, a piece of coal weighing 5 cwt. fell upon him from the roof. He was fatally injured. Inspection and inquiry made.
23	14th May, 11-30 P.M.	Sendra mine, Bansjora P. O., Bihar and Orissa.	Sendra Coal Co., Ltd.	Garu Bauri, (m.), 35, Coal-cutter.	Coal	On a tram line level, 20 feet in height, a mass of roof stone 15' x 15' x 3', fell unexpectedly while a number of miners were in the vicinity. One of them was struck by the stone and injured so severely that he subsequently died in hospital. Inspection and inquiry made.
24	27th May, 5 P.M.	Jamadoba mine, Jaisalgora P. O., Bihar and Orissa.	Tata Iron and Steel Co., Ltd.	Jhile Bilaspuri, (m.), 26, Coal-cutter.	Coal	In a depillaring area, a mass of roof stone, 20' x 10' x 1', fell and displaced three props, one of which struck deceased and inflicted fatal injuries. Inspection and inquiry made.
25	25th June, 4-10 P.M.	Central Kurkend mine, Kusunda P. O., Bihar and Orissa.	Central Kurkend Coal Co., Ltd.	Jatali Bauri, (m.), 37, Coal-cutter.	Coal	In a seam, 26 feet thick, a miner was loading a basket with coal when a piece of roof coal, 8' 6" x 1' 6" x 1' 0", fell from a height of nineteen feet and struck him. He sustained serious injuries and died eighteen hours later. Inspection and inquiry made.
26	30th June, 3-15 A.M.	Sitalpur mine, Dishergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Barati Dhibar, (m.), 33, Coal-cutter.	Coal	Two miners left their working place and went into a fenced area to rob the corner of a pillar. A mass of coal weighing 15 to 20 tons fell from the roof and sides and one of the men was killed and the other seriously injured. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1932—*contd.*

Social 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—<i>contd.</i>						
(a) Falls of roof—<i>contd.</i>						
27	1st July, 5 A.M.	Mudidih mine, Sijna P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Balu Koiri, (m.), 18, <i>Loader.</i>	Coal	While coal was being dressed from the roof of a gallery after blasting deceased entered the place for the purpose of loading coal. He was struck and fatally injured by a block of coal, 2' x 1' 6" x 2' 6", which fell from a height of 12 feet. Inspection and inquiry made.
28	6th July, 12-30 A.M.	Jamuria mine, Charanpur P. O., Bengal.	Equitable Coal Co., Ld.	Natoo Meah, (m.), 31, <i>Coal-cutter.</i> Mitto Meah, (m.), 22, <i>Loader.</i>	Coal	A gang of miners went through a fence and entered a goaf to rob coal from a "stook" when a wedge-shaped mass of roof, 35' x 14' x 5', fell from a height of 12 feet. Two of them were killed instantly. Inspection and inquiry made.
29	6th July, 1-30 P.M.	Damoderpur mine, Nandi P. O., Bengal.	Bengal Coal Co., Ld.	Bonghi Passi, (m.), 45; Chotto Manjhi, (m.), 32, <i>Coal-cutters.</i>	Coal	Two miners were killed by a mass of roof coal, 13' x 7' x 2'-6", which fell unexpectedly in a gallery 8 feet high. The fall was bounded on three sides by "slips" and on the fourth by an open cleat. Inspection and inquiry made.
30	8th July, 12 A.M.	Mosaboni mine, Mosaboni P. O., Bihar and Orissa.	Indian Copper Corporation, Ld.	Kutiappan, (m.), 40; Chhinaawami, (m.), 25, <i>Timbermen.</i>	Copper ore.	The deceased were engaged in erecting props in a stope, in order to support the roof which was unsound, when a mass of stone, weighing about 50 tons, fell from the roof. One man was killed instantly and the other received injuries which proved fatal. Inspection and inquiry made.
31	17th August, 12-30 P.M.	Lodna mine, Jharis P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ld.	Budhan Dosadh, (m.), 42, <i>Coal-cutter.</i>	Coal	While shifting a ladder in a gallery, 23 feet high, for the purpose of drilling a shot-hole in the roof coal, a miner was hit on the finger by a piece of coal dislodged by the ladder and received a small lacerated wound. He died of tetanus twelve days later. Inspection and inquiry made.
32	20th August, 2-30 P.M.	Barmendia mine, Sitarampur P. O., Bengal.	New Beerbhoom Coal Co., Ld.	Kandani Mejhian, (f.), 60, <i>Loader.</i>	Coal	While deceased was loading coal in a gallery in which roof coal had recently been blasted, she was fatally struck by a mass of roof coal, weighing about 7-cwt. that fell unexpectedly from a height of 10 feet. Inspection and inquiry made.

33	10th September, 10 A.M.	Mosaboni mine, Mosaboni P. O., Bihar and Orissa.	Indian Copper Cor- poration, Ld.	Kali Gurung, (m.), 30, Labourer.	Copper ore.	While a miner was at work in a stope, 7 feet high, a slab of schist, 6' x 4' x 3', fell on him from the hanging wall. He received fatal injuries. Inspection and inquiry made.
34	17th September, 3 P.M.	Dobary mine, Jharia P. O., Bihar and Orissa.	R. N. Bagchi and Bros., Dobary Colliery, Ld.	Bishahn, (m.), 26, Coal-cutter Bhatni Bhowrin, (f.), 23, Loader.	Coal	While three persons were removing fallen coal from a fenced-off area, a mass of stone about 40 feet square and 12 inches thick, fell from the roof from a height of 25 feet. Two persons were killed and completely buried by the stone and one person was seriously injured. Inspection and inquiry made.
35	17th September, 6 A.M.	Toposi mine, Toposi P. O., Bengal.	Banara Coal Co., Ld.	Puran Mahato, (m.), 41, Labourer.	Coal	Three propping labourers were re-setting some props which had been knocked out through blasting when a mass of roof stone, 6' x 6' x 3', fell from a height of 10 feet, and fatally injured one of them. Inspection and inquiry made.
36	22th September, 12-30 P.M.	Majhlitand mine, Katrasgarh P. O., Bihar and Orissa.	Chandanmull Indrakumar.	Bhushan Mahato, (m.), 31, Coal-cutter.	Coal	A miner engaged in cutting roof coal in a gallery, 7½ feet high, was struck and killed instantly by a mass of coal, 15' x 5' x 1'6", which fell from the roof. Inspection and inquiry made.
37	14th October, 4 A.M.	Viceroy mine, Nandi P. O., Bengal.	Minto Coal Co., Ld.	Lokhon Kole, (m.), 26, Coal-cutter.	Coal	While resting near his working place in a depillaring area, a miner was struck and fatally injured by a piece of roof stone, 2' x 1'6" x 9", which fell from a height of 5 feet. Inspection and inquiry made.
38	18th October, 10 A.M.	Majri mine, Warora P. O., Central Provinces.	Jamal-Majri Coal Co., Ld.	Yankati Kunvi, (m.), 35, Coal-cutter.	Coal	While working in a gallery, a miner was fatally injured by a mass of roof stone, 2' x 1' x 3' thick, which fell on him from a height of 7 feet. Inspection and inquiry made.
39	19th October, 5-30 A.M.	Sripur mine, Kalipahari P. O., Bengal.	Lodna Colliery Co. (1920), Ld.	Amir Roy, (m.), 35, Labourer.	Coal	While five persons were erecting props in a goafed area a "bump" took place and about 60 tons of roof coal fell at the entrance to the goaf. Deceased tried to run out but was fatally injured by the falling coal. The roof coal was supported on cogs but owing to a "slip" the coal fell over them. Inspection and inquiry made.
40	20th October, 5 A.M.	Ena mine, Jharia P. O., Bihar and Orissa.	North-West Coal Co., Ld.	Mahindi Manjhi, (m.), 37, Coal-cutter.	Coal	While sitting in a depillaring area, a miner was struck by a band of stone, about 2' x 2' x 4", which fell from a height of 12 feet. He received slight injuries and peritonitis supervening, died fourteen hours later. Inspection and inquiry made.
41	20th October, 5-30 P.M.	Serampur mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Khupi Chamar, (m.), 34, Loader.	Coal	While a coal-loader was filling a basket with coal in a gallery 9½ feet high a mass of coal and stone, 15' x 2' x 8", fell from "slips" in the roof. He was struck and fatally injured. If the roof where the "slips" occurred had been supported the accident would have been avoided. Inspection and inquiry made.

APPENDIX II—contd.
Fatal Accidents during the year 1932—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 roofs—contd.						
42	3rd November, 1 P.M.	Ledo Valley West mine, Margherita P.O., Assam.	Assam Railways and Trading Co., Ld.	Adina Makrani, (m.), 50, Coal-cutter.	Coal	While working in an 'opening' a miner was fatally injured by a mass of coal, 4' x 3' x 8" thick which fell from a height of 7 feet. Inspection and inquiry made.
43	4th November, 1 P.M.	Madhuban mine, Jharia P. O., Bihar and Orissa.	Wali Ram Taneja & Co.	Durga Kora, (m.), 57, Loader.	Coal	A miner was at work in a gallery 9 feet high, when a mass of stone, 8' x 5' x 7", fell from concealed 'slips' in the roof. He was fatally injured. Inspection and inquiry made.
44	6th December, 3 A.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Raneegunge Coal Association, Ld.	Bhikoo Bhakta, (m.), 23, Loader.	Coal	While passing along a level on his way to his working place, a loader was struck and fatally injured by a piece of roof-coal and stone which fell from a height of 13 feet. Inspection and inquiry made.
45	14th December, 9-45 A.M.	Madhuban (Lodna) Nos. 6 and 7 pits mine, Jharia P. O., Bihar and Orissa.	Waliram Taneja & Co.	Kali Charan Rajwar, (m.), 23, Coal-cutter.	Coal	A miner was cutting floor coal in a gallery in which he had not been authorised to work, when a mass of stone, 8' x 4' 8" x 8", fell from the roof and killed him instantly. Inspection and inquiry made.
46	16th December, 5 P.M.	Bengal Jharia mine, Jharia P. O., Bihar and Orissa.	Bengal Jharia Colliery Co.	Dinu Deswali, (m.), 45, Coal-cutter.	Coal	While a miner was at work in a gallery, 8 feet high, a mass of coal, 10' x 3' x 1', fell from "slips" in the roof and killed him instantly. Inspection and inquiry made.
47	23rd December, 1 P.M.	Kankanee mine, Bamsjora P. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Bodhiram Chamar, (m.), 35; Indal Chamar, (m.), 30, Coal-cutter.	Coal	While two miners were working in a gallery, 7 feet high, a mass of stone, 10' x 8' x 1', fell from the roof and killed them instantly. By robbing coal from the side of the gallery and exposing a "slip" running parallel to the side they caused the fall of roof. Inspection and inquiry made.
(b) Falls of side (53 deaths).						
48	5th January, 12-45 P.M.	Amlabadi mine, Jaalgora P. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Indoo Koiri, (m.), 20, Loader.	Coal	While a miner was filling a basket with coal which had been illegally cut by his fellow workmen from the side of a pillar, a mass of overhanging coal, 15' x 8' x 1'3", fell from the side. He was crushed by the falling coal and sustained injuries from which he died eight hours later. Inspection and inquiry made.

49	5th January, 3-30 P.M.	Newton Chickli mine, Parasia P. O., Central Provinces.	Newton Chickli, Collieries, Ld.	Thakur Shri Datt Singh, (m.), 30, <i>Sirdar.</i>	Coal	While coal was being loaded in an area from which pillars of coal were being extracted, some coal falling from the side dislodged a prop 8 feet long. A sirdar who was supervising the loading, was struck on the head by the prop and fatally injured. Inspection and inquiry made.
50	6th January, 5 P.M.	Bhulanbararee mine, Pathardih P. O., Bihar and Orissa.	Bhulanbararee Coal Co., Ld.	Jethoo Chamar, (m.), 48, <i>Loader.</i>	Coal	In a depillaring area the splitting of a pillar 27 feet high was in progress when a heavy "bump" in an adjacent coal caused a mass of coal, weighing about 8 tons, to fall from the side. Two coal loaders were injured and one of them died ten minutes later. Inspection and inquiry made.
51	19th January, 11-30 A.M.	Tarki mine, Tarki P. O., Punjab.	Government of Punjab (Public Works Department).	Bagh Ali, (m.), 35, <i>Miner.</i>	Limestone	While dislodging a boulder about 3' x 3' x 3', from the slope of a quarry face, a miner was crushed beneath it and received fatal injuries. Inspection and inquiry made.
52	22nd January, 6 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Balbahadur Thapa, (m.), 29, <i>Miner.</i>	Silver- lead-zinc.	While two miners were at work in an ore chute, a piece of ore, weighing approximately 5 lb., fell from the side at a point 15 feet above; it struck one of the miners, fatally injuring him. Inspection and inquiry made.
53	23rd January, 1 P.M.	Damodarpur mine, Nandi P. O., Bengal.	Bengal Coal Co., Ld.	Tilak Chamar, (m.), 16, <i>Loader.</i>	Coal	After a shot had been fired in a depillaring area, several persons entered the place before it had been examined. About 4 tons of coal fell from the working side of a pillar, knocking out several props, one of which struck a miner and killed him. Inspection and inquiry made.
54	1st February, 7 P.M.	Amlabad mine, Jalgora P. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Moni Chamar, (m.), 23, <i>Loader.</i>	Coal	While deceased was at work in a gallery 9 feet in height, a mass of coal, weighing about 1 ton, fell from the side. He was struck by the coal and died shortly afterwards. Inspection and inquiry made.
55	15th February, 7 A.M.	Sahebrunge (Block No. 2) mine, Sakrigali P. O., Bihar and Orissa.	G. N. Mukherjee	Bali Singh, (m.), 40, <i>Quarryman.</i>	Stone	While at work at the foot of a quarry "face," 15 feet high, a quarryman was fatally injured by a fall of loose overburden. Inspection and inquiry made.
56	16th February, 9 P.M.	Hasikhao mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Leo Shi, (m.), 25; Leo Yoo, (m.), 18, <i>Labourer.</i>	Limestone	Contrary to orders a gang of labourers returned to a quarry after dark and entered an unsafe area which had been partially fenced off. While collecting some stone which had been previously blasted down, a piece of stone, 9' x 7' x 5', fell from the side at a height of 50 feet. One man was killed instantly and another was fatally injured. Inspection and inquiry made.
57	1st March, 6-30 P.M.	Bhulanbararee mine, Pathardih P. O., Bihar and Orissa.	Bhulanbararee Coal Co., Ld.	Karoonu Mejhian, (f.), 34, <i>Coal-carrier.</i>	Coal	Due to roof weight in an adjacent depillaring area coal had fallen from the sides of a haulage road. While this coal was being loaded a mass of coal 9' x 2' x 1'8", fell from the side. A woman engaged in carrying the coal was fatally injured. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1932—contd.

Social 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 side (53 deaths)—contd.						
58	19th March, 4 A.M.	Upper Kajora mine, Kajoragram P.O. Bengal.	O. Bhawsinga	Bama Kora, (m), 45 Coal-cutter.	Coal	Deceased was fatally injured by being struck by a piece of coal which fell on him in a gallery 18 feet high. Inspection and inquiry made.
59	24th March, 3 A.M.	Ningah (Nos. 4 & 5 pits, Sripore) mine, Kalipahari P.O., Bengal.	Lodna Colliery Co., (1920), Ld.	Raghuram Kole (m), 40, Loader.	Coal	In a machine cut gallery 6 feet high a miner was dressing down coal when a mass of roof coal fell and fatally injured him. Inspection and inquiry made.
60	23th March, 10 P.M.	Bhargudih mine, Jharis P.O., Bihar and Orissa.	Bengal-Nagpur Coal Co., Ld.	Lilu Manjhi, (m), 28, Coal-cutter.	Coal	While a miner was at work in a depillaring area, a mass of coal weighing about 1 ton fell off a "slip" in the side of a pillar and killed him instantly. The accident would have been avoided had a more careful inspection been made by the supervising staff. Inspection and inquiry made.
61	29th March, 5 A.M.	Kustore mine, Kusunda P.O., Bihar and Orissa.	Raneegunge Coal Association, Ld.	Gulshan Dasadh (m), 35, Coal-carrier.	Coal	While loading coal near a place where pillars of coal were being extracted a miner was struck by a mass of coal weighing 160-lb., which fell unexpectedly from the side of a pillar at a height of 9 feet. He received injuries from which he subsequently died. Inspection and inquiry made.
62	30th March, 8 P.M.	Serampur mine, Giridih P.O., Bihar and Orissa.	East Indian Rail- way.	Gafoor Meah, (m), 35, Coal-carrier.	Coal	In a depillaring district of a seam 21 feet thick, a number of miners were engaged in loading coal when a sudden 'weight' in the goaf caused a mass of coal weighing about 5 tons to fall from the corner of a pillar. One of the miners was killed instantly and another sustained serious injuries. Inspection and inquiry made.
63	5th April, 3-15 P.M.	Kustore mine, Kusunda P.O., Bihar and Orissa.	Raneegunge Coal Association, Ld.	Bahro Singh, (m), 30, Coal-cutter.	Coal	While a miner was dressing overhanging coal from the side of a gallery, 9 feet high, a mass of coal, 4' x 2'6" x 2' fell from the side. He was struck and killed instantly by the falling coal. Inspection and inquiry made.
64	9th April, 1 P.M.	Kustore mine, Kusunda P.O., Bihar and Orissa.	Raneegunge Coal Association, Ld.	Ghajar Roy, (m), 28 Coal-cutter.	Coal	After firing a shot in a pillar of coal which was being extracted a miner was levering loose coal off the side. A mass of coal, weighing about 5-cwt, fell towards him, and he was struck and injured so severely that he died fifteen days later. Inspection and inquiry made.

65	21st / pril, 4-30 A.M.	Lodna mine, Jharia P.O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ld.	Babathi Rajawarin, (f.), 28, Coal-carrier.	Coal	In a depillaring area some 15 tons of coal fell from the corner of a pillar 24 feet in height. A woman was struck by the coal and fatally injured. Inspection and inquiry made.
66	26th April. 5-30 P.M.	Katceedhana minq. Saoner P.O. Central Provinces.	Indian Manganese Co., Ld.	Chandria Mahar, (m.), 30, Doolat Mahar, (m.), 32, Miners.	Manga- nese.	While working at the bottom of an open excavation, 17 feet deep, two miners were entombed and suffocated by a large part of an old spoil heap which unexpectedly slipped into the excavation. Inspection and inquiry made.
67	27th April, 12 A.M.	Fustore mine, Kusunda P. O., Bihar and Orissa.	Raneegunge Coal Association, Ld.	Budhan Singh, (m.), 28, Coal-cutter,	Coal	While a miner was resting in the centre of a place from which fallen coal was being loaded; a mass of coal, weighing about 5 tons, fell from the side of a pillar and dislodged a prop, 16 feet long. The prop struck him on the head killing him instantly. Inspection and inquiry made.
68	30th April, 5 A.M.	Standard (Benahir section) colliery, Jharia P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Lochan Faahi, (m.), 48, Miner.	Coal	While working in a depillaring area, deceased was struck by a quantity of coal, weighing about 15 cwt. which fell unexpectedly from the side of a pillar at a height of 25 feet. He sustained injuries to which he succumbed within a few hours. Inspection and inquiry made.
69	6th May, 8-30 P.M.	Kurhurbaree mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Mohini Doendhin, (f.), 34, Coal-carrier..	Coal	While a woman was loading coal near the face of a 'split', 6 feet high and 8 feet wide, which was being driven through a pillar in a depillaring area, a "bump" caused about 2 tons of coal to fall from the face. She was struck and killed by the falling coal. Inspection and inquiry made.
70	16th May, 9-45 A.M.	Chowrassie mine, Dishergarh P. O., Bihar and Orissa.	Equitable Coal Co., Ld.	Mata Manjhi, (m.), 38, Coal-cutter.	Coal	While at work in a gallery a miner was fatally injured by a mass of coal, 10' x 5' x 2', which fell from the side of a pillar. Inspection and inquiry made.
71	18th May, 5 P.M.	South Bullhari mine, Kusunda P. O., Bihar and Orissa.	East Indian Coal Co., Ld.	Jharu Chamar, (m.), 30, Coal-cutter.	Coal	While a miner was cutting coal from the side of a gallery, 18 feet high, at a point where a new gallery was being commenced, a mass of coal, weighing about 1 ton, fell from between two concealed 'slips' in the side. He was struck by the falling coal and killed instantly. Inspection and inquiry made.
72	31st May, 1-15 P.M.	Farhelia mine, Dishergarh P. O., Bihar and Orissa.	Bengal Coal Co., Ld.	Jadu Dosadh, (m.), 25, Coal-carrier.	Coal	A coal-carrier was fatally injured by a mass of side coal which fell unexpectedly from the side of a travelling road 8 feet high. Inspection and inquiry made.
73	22nd May, 8-15 A.M.	Sendra mine, Bansjora P. O., Bihar and Orissa.	Sendra Coal Co., Ld.	Gura Dosadh, (m.), 28, Coal-cutter.	Coal	Two miners took down two fences and went into a prohibited area to obtain fallen coal. While they were loading a basket, a mass of coal, weighing about 5 tons, fell from the side of a pillar, killing one man instantly and seriously injuring the other. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1932—*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—<i>contd.</i>						
<i>(b) Falls of side—contd.</i>						
74	29th May, 3-45 P.M.	Lodna mine, Jharia P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ltd.	Pryag Kora, (m.), 30, Coal-cutter.	Coal	While a miner was dressing side coal from near the top of a pillar, 24 feet high, a mass of coal falling from the side struck the foot of his ladder and caused him to fall to the floor. Immediately afterwards another fall of about 5 tons of coal occurred and he was killed instantly. Inspection and inquiry made.
75	16th June, 2 A.M.	Saltore mine, Dishergarh P. O., Bihar and Orissa.	Burrakur Coal Co., Ltd.	Lal Chand Hazam, (m.), 38, Coal-cutter.	Coal	In a seam 15 feet thick a miner was struck by a fall of side from a pillar from which he was robbing coal. He received injuries which caused death within a few days. Inspection and inquiry made.
76	22nd June, 3 P.M.	Patblaiya mine, Domchanch P. O., Bihar and Orissa.	Indian Mica Supply Co., Ltd.	Sanjhar Mussar, (m.), 55, Labourer.	Mica	Five miners on arrival at a mine entered an old opencast working, in order to shelter from the sun, under the overhanging overburden. About an hour later while some of the miners were asleep, a mass of earth and stone, said to weigh about 1 ton, fell from a height of 8 feet and killed one of them. Inspection and inquiry made.
77	1st July, 4-30 P.M.	Chinchuria mine, Asanol P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Makhan Bauri, (m.), 50, Coal-cutter.	Coal	While a miner was loading coal in a depillaring area, wedge-shaped mass of coal weighing about 15 cwt. fell from the side of pillar, at a height of 7 feet, exposing a hidden slip. He was struck and fatally injured. Inspection and inquiry made.
78	8rd July, 2 A.M.	Standard (Jharia Khas section) mine, Jharia P. O., Bihar and Orissa.	Standard Coal Co., Ltd.	Gajoo Bhuiya, (m.), 28, Leader.	Coal	In a seam, 26 feet thick, a mass of coal fell from the side of pillar under extraction and striking the foot of a prop, dislodged it. A coal leader was struck by the falling prop and fatally injured. Inspection and inquiry made.
79	10th July, Between 12 noon and 3 P.M.	Hermyingyi mine, Hermyingyi P. O., Burma.	Consolidated Tin Mines of Burma, Ltd.	Wan Hol, (m.), 19, Tribute miner.	Tin and wolfram.	A "tribute" miner entered a disused adit and while at work a mass of decomposed granite fell from the side and killed him. Inspection and inquiry made.

80	14th July, 3 P.M.	Kustore mine, Kumunda P. O., Bihar and Orissa.	Ranecogunge Coal Association, Ltd.	Hari Ram Lohar, (m.), 29, Coal-cutter.	Coal	On a machine out face 8 feet high a miner was charging a shot-hole when a mass of some 3 tons of coal fell unexpectedly from the face, killing him instantly. Inspection and inquiry made.
81	21st July, 11 A.M.	Sudih mine, Sitarampur P. O., Bengal.	Morarji Mulraj & Co.	Dami Corin, (f.), 33, Loader.	Coal	While a woman was sitting near the corner of a pillar in a seam seven feet thick, she was struck and fatally injured by a piece of coal weighing about $\frac{1}{2}$ cwt., which fell from the side of the pillar near the roof. Inspection and inquiry made.
82	9th August, 1-30 P.M.	Ghorawari mine, Junnordeo P. O., Central Provinces.	Hirdagarh Col- lieries, Ltd.	Jugra Mobusi, (m.), 40, Coal-cutter.	Coal	While deceased was robbing the corner of a pillar, a mass of coal, 6' x 6' x 3' 0", broke off an unexposed "slip" at a height of 6 feet. Deceased was buried in the fall and sustained fatal injuries. Inspection and inquiry made.
83	25th August, 2 A.M.	Standard (Jharis Khas section) mine, Jharis P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Sewraj Singh, (m.), 38, Loader.	Coal	A mass of coal, 3' 6" x 2' 6" x 1' 3", fell from the corner of a tall pillar adjacent to a working place, and struck a coal loader killing him instantly. Inspection and inquiry made.
84	24th September, 2-30 P.M.	Dhemo Main mine, Sitarampur P. O., Bengal.	Dhemo Main Col- lieries, Ltd.	Pilkadas Satnami, (m.), 37, Loader.	Coal	Deceased was loading coal in a gallery when a mass of coal, 9' x 4' x 2', fell from the side of the gallery, and fatally injured him. Inspection and inquiry made.
85	30th September, 5-30 A.M.	Lodna mine, Jharis P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ltd.	Benedin Dubay, (m.), 46, Sirdar.	Coal	A mass of coal, 24' x 24' x 3', fell from the side of a pillar in a depillaring section of the mine and killed a sirdar who was standing nearby. Inspection and inquiry made.
86	10th October, 4-30 P.M.	Hilloonwala (No. 2 South-East) mine, Daudot P. O., Punjab.	Sent Ram Kapur .	Mohammad Ali, (m.), 40, Coal-cutter.	Coal	While ripping roof stone in a gateway a miner was struck by a mass of stone, 3' 6" x 2' x 1', which fell from a concealed "slip" at a height of about 4 feet. He was killed instantly. Inspection and inquiry made.
87	10th October, 5-30 P.M.	Victoria mine, Kulti P. O., Bengal.	New Beerhoom Coal Co., Ltd.	Roshka Manjhi, (m.), 25, Mangli Mejhian, (f.), 19, Loaders.	Coal	While coal was being loaded in a gallery 8 feet high, a triangular mass of coal, 8' x 8' x 2', fell from the side, and struck four of the loaders, inflicting fatal injuries on two of them. The other two were slightly injured. Inspection and inquiry made.
88	20th October, 8 A.M.	Kanakok mine, Palauk P. O., Burma.	Lim Oo Ghine	Sonnatanaw, (m.), 20, Bulonda, (m.), 20, Tribute miners.	Tin	Two miners were working in the bottom of a surface water channel, 20 feet deep, when a portion of the side collapsed and fell on them. They were killed instantly. Inspection and inquiry made.
89	28th October, 4 A.M.	Mudidih mine, Sijna P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Gulam Moah, (m.), 36, Loader.	Coal	While engaged at work in a depillaring area, deceased was struck and fatally injured by a mass of coal and stone, 13' x 3' x 1' 6", which fell from the side of a pillar at a height of 6 feet. Another miner received slight injuries. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1932—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—conclld.						
<i>(b) Falls of side—conclld.</i>						
90	14th November, 4 P.M.	Tandaiya mine, Rajauli P. O., Bihar and Orissa.	Shyam Kanta Lal and Sri Kanta Lal.	Hulo Gope, (m.), 33, Miner.	Mica	While a miner was working at the bottom of an opencast pit, 40 feet in diameter and 22 feet deep, he was struck by a mass of earth weighing about 3 cwt., which fell from the side from a height of 12 feet. He was fatally injured. Inspection and inquiry made.
91	25th November, 10 A.M.	Shwe To Chang mine, Palaw P. O., Burma.	L. R. Beale . . .	Choudhury Ooriya, (m.), 25, Miner.	Tin	Deceased was working in a surface cutting when a portion of the side collapsed. In attempting to run clear he fell down and an iron crowbar, which he was carrying, pierced his neck, killing him instantly. Inspection and inquiry made.
92	8rd December, 5-30 P.M.	Bararee mine, Jealgora P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Dalarrin, (f.), 32, Coal-carrier.	Coal	While filling her basket with coal which had been blasted from the roof of a gallery, a woman was struck and fatally injured by a mass of coal, 6' x 2' x 1' 6", which fell from the side of a pillar, from a height of 9 feet. Inspection and inquiry made.
93	15th December, 12-50 A.M.	Angarpathra mine, Katragarh P. O., Bihar and Orissa.	Union Coal Co., Ltd.	Mohabir Bhuiya, (m.), 36, Coal-cutter.	Coal	While a miner was resting close to his working place, he was struck and fatally injured by a lump of coal, 2' 6" x 1' 6" x 1', which fell from the side of a pillar from a height of 6 feet. Inspection and inquiry made.
94	17th December, 4 P.M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ltd.	Lilu Rai, (m.), 45, Coal-cutter.	Coal	By robbing coal from the side of a gallery a miner caused a mass of coal, 6' x 6' x 1' 6", to fall from a concealed slip. He was struck by the falling coal and fatally injured. Inspection and inquiry made.
95	22nd December, 1 P.M.	Kolhiya mine, Jumnerdeo P. O., Central Provinces.	R. S. Seth Gowar- dandas.	Mirohlal, (m.), 35, Labourer.	Coal	While a number of persons were working in an incline a mass of soft sandstone, 20' x 8' x 4', fell from the side and buried two persons one of whom was killed. If the work had been properly supervised this accident

96	24th December, 3-30 P.M.	Kitaburn mine, Chaibassa P. O., Bihar and Orissa.	Narendra Kumar.	Nath	Lakhan Tanty., (m.), 25, Miner.	Chromite	While a miner was drilling a hole 20 feet from the foot of a quarry face a piece of stone weighing about 60 lbs. fell off the face from a height of 15 feet. He was struck by the stone and received injuries from which he died five hours later. Inspection and inquiry made.
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IN SHAFTS (WHILST ASCENDING OR DESCENDING BY MACHINERY)—
(1 death).

97	25th April, 10-30 A.M.	Angarpathra mine, Katrasgarh P. O., Bi and Orissa.	National Coal Co., Ld.		Khoda Bux, (m.), 47, Pump-man.	Coal	While being lowered in a cage in a shaft, 175 feet deep, for the purpose of attending to some pumps, deceased fell from the cage to the bottom of the shaft, a distance of about 40 feet, and received injuries which proved fatal. It was presumed that under a misunderstanding he had opened the cage-gate and stepped out into the shaft. Inspection and inquiry made.
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IN SHAFTS (FALLING DOWN SHAFT)—(1 death).

98	3rd August, 2 P.M.	Jarangdih mine, Bokaro P. O., Bihar and Orissa.	Bombay, Baroda and Central India Railway, and M. and S. M. Rail- way.		Kartik Meah, (m.), 35, Labourer.	Coal	Deceased walked towards a shaft bottom presumably with the intention of retrieving his safety lamp which was on the opposite side of the shaft. He fell into the cump 60 feet below and was killed instantly. Inspection and inquiry made.
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IN SHAFTS (THINGS FALLING DOWN SHAFT)—(4 deaths).

99	6th February, 12-30 P.M.	Lodna (No. 5 pit) mine, Jharia P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ld.		Jogdip Singh, (m.), 23, Trolleyman.	Coal	While attempting to cross the bottom of a shaft a trolleyman was struck on the head by a piece of coal which fell from the surface. He sustained injuries which proved fatal. Inspection and inquiry made.
100	15th April, 6 P.M.	Jote Dhemo mine, Ukhra P. O., Bengal.	Jote Dhemo Colliery Co.		Sheik Huzad, (m.), 30, Sinker.	Coal	In a sinking shaft, 60 feet deep, a basket containing stone had been raised when it struck against the landing platform. A piece of stone about 3' sq. x 1' thick fell off the basket and striking a sinker who was at work at the bottom of the shaft fatally injured him. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1932—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.
IN SHAFTS (THINGS FALLING DOWN SHAFT)—(4 deaths)—contd.						
101	24th April. 8-15 A.M.	Mothani mine, Sitarampur P. O., Bengal.	Aldih Coal Co., Ltd.	Burie Meah, (m.), 35, Trammer's strider and conveyor.	Coal	While five persons in a cage were ascending a shaft, 207 feet deep one of them was struck and killed by a piece of pipe 1" diameter, which fell from a column of pipes at a point 200 feet from the top of the shaft. Just before the accident occurred steam had been admitted into these pipes, and their consequent sudden expansion had presumably caused them to break loose from the clamps and swing out into the shaft so far as to be struck and broken by the descending cage. Inspection and inquiry made.
102	4th August. 12 A.M.	Puro Jharis East mine, Jharis P. O., Bihar and Orissa.	Puro Jharis Colliery Co.	Jhuri Baurin, (f.), 25, Coal-carrier.	Coal	At the top of a shaft, 86 feet deep, where buckets are used for winding, a wooden beam, 12' x 10" x 5", secured to the head-gear frame at a height of 29 feet, broke. A female coal-carrier riding in the bucket was struck by pieces of the beam which fell down the shaft. She sustained injuries which caused death within two days. Inspection and inquiry made.
SUFFOCATION BY GASES —(19 deaths).						
103	12th April, 2 P.M.	Lady Bangi mine, Ganwan P. O., Bihar and Orissa.	F. F. Chrestien & Co., Ltd.	Nineteen Males	Mica	The timber supports at the bottom of a shaft, 30 feet deep, and in a "drive" off the shaft caught fire, and the fumes from the fire were carried by the ventilating current into the workings of the mine. Of 88 men at work underground, 17 were asphyxiated by the fumes before they could reach the surface, and two died subsequently. The fire is believed to have been started by embers from a forest fire being blown into the shaft. Inspection and inquiry made.

BY EXPLOSIVES—(18 deaths).

104	4th February, 1 A.M.	Sripur mine, Kalipahari P. O., Bengal.	Lodna Colliery Co., (1920), Ld.	Maharaja Singh, (m.), 42, Loader.	Coal	A miner neglected to take proper cover and was fatally injured by a small piece of coal projected a distance of 168 feet in the underground gallery by blasting operations. Inspection and inquiry made.
105	14th March, 3-30 P.M.	Mosaboni mine, Mosaboni P. O., Bihar and Orissa.	Indian Copper Corporation, Ld.	Dalbahadur Thappa, (m.), 25, Labourer.	Copper ore.	While a shot-hole was being drilled in an underground gallery, the drill struck a small quantity of gelignite left unexploded from a previous shot, and an explosion occurred. The three drillers working in the place were all injured, the injuries to one proving fatal. Inspection and inquiry made.
106	21st April, 8-30 P.M.	Pootkee mine, Kusnuda P. O., Bihar and Orissa.	Eastern Coal Co. Ld.	Subalok Dosadh, (m.), 38, Coal-cutter.	Coal	At the commencement of a shift a shot-firer placed his locked tin containing 5 lbs. of gunpowder at the side of a gallery while he examined adjacent working places. A miner interfered with the tin and caused the gunpowder to become ignited by the flame of his lamp. He was severely burned and died the following day. Inspection and inquiry made.
107	29th April, 7-15 A.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Rudra Dutt, (m.), 28; Bir Singh, (m.), 25, Miners.	Silver-lead-sinc.	Three miners who were engaged in firing a round of eight shots in an underground drive, experienced difficulty in lighting one of the fuses and delayed too long. Before they could escape some of the shots exploded and all three were seriously injured. Two succumbed to their injuries some hours later. Inspection and inquiry made.
108	11th May, 2 P.M.	Kajora mine, Ondal P. O., Bengal.	Maharaja S. C. Nandi.	Kunja Behari Naw, (m.), 25, Coal-cutter.	Coal	After the fuse of a shot had been ignited in an underground gallery, a miner, in spite of warning, returned to the gallery to fetch his cloth. The shot exploded and he received fatal injuries. Inspection and inquiry made.
109	28th May, 4-30.	Bhamori mine, Parasia P. O., Central Provinces.	Amalgamated Coal- fields, Ld.	Suddhoo, s/o. Esri Ahir, (m.), 35, Coal-cutter.	Coal	A miner was killed when a shot blew through from a gallery which was about to join the gallery in which he was working. If the shot-firer had withdrawn persons likely to be endangered and fenced the place, as required by Coal Mines Regulation No. 110, the accident would not have occurred. Inspection and inquiry made.
110	6th July, 10 A.M.	Radha Krishna mine, Sydapuram P. O., Madras.	Kakirallagunta Mining Co.	Valipi Sanyasi Gadu, (m.), 30, Driller.	Mica	While a gang of three men were drilling a hole in a part of the mine worked by the previous owners, a charge of explosive in an old hole exploded. The driller sustained injuries which resulted in his death. The two hammermen, as well as another person who was resting nearby, were slightly injured. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1932—contd.

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 (13 deaths)—contd.					
	14th August, 1 A.M.	Akhalpur mine, Charanpur P. O., Bengal.	Hurriladih Co., Ltd.	Coal Bhagirath Kurmi, (m.), 24, Shot-firer.	Coal	Under the impression that a misfire had occurred a shot-firer and his mate re-entered a gallery in which a shot had been ignited. The shot exploded fatally injuring the shot-firer. His mate received minor injuries. The accident was apparently the result of a 'hangfire' shot. Inspection and inquiry made.
	31st August, 10-30 A.M.	Alkusa mine, Kusunda P. O., Bihar and Orissa.	Kanga & Co.	Monohar Noonis, (m.), 29, Loader.	Coal	While a coal loader was walking through a gallery he was struck and fatally injured by pieces of coal which were projected by a shot. If the place in which the shot was fired had been properly guarded, the accident would not have occurred. Inspection and inquiry made.
	31st August, 10 P.M.	New Kenda mine, Toposi P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Lakhi Ram Maujhi, (m.), 36, Loader.	Coal	With the object of taking down some overhanging coal, three persons went through a fence into a level gallery. A shot, fired in an approaching gallery, caused a mass of coal to be projected towards them. One of them was killed, and the others received minor injuries. Inspection and inquiry made.
	26th September, 5 P.M.	Fagnni mine, Bajauli P. O., Bihar & Orissa.	Chatturam Darsan Ram.	Jamahir Singh, (m.), 20, Shot-firer.	Mica	Twelve shots of dynamite had been fired in a sinking shaft in two simultaneous rounds of six, by two shot-firers. Owing to a miscount of the number of shots which had exploded, both shot-firers returned to the shafts as the 12th shot exploded, and were seriously injured. One succumbed to his injuries a few hours later. Inspection and inquiry made.
	22nd October, 7-45 P.M.	Warcha mine, Warcha P. O., Punjab.	Government India.	of Alla Ditta, (m.), 25, Miner.	Salt	While preparing cartridges underground from loose gun-powder, the powder became ignited and a miner was fatally burnt. Inspection and inquiry made.

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HAULAGE—(29 deaths).

116	12th January, 5 P.M.	Jamuria mine, Charanpur P. O., Bengal.	Equitable Coal Co., Ld.	Sukur Dosadh, (m.), 35, <i>Clip-man.</i>	Coal	While a train of three loaded tubs was moving slowly down an endless rope haulage slope, dipping at 1 in 15, it collided with two stationary tubs which were being loaded. The impact caused the two tubs to run wild to the bottom of the haulage slope a distance of 1,350 feet. Deceased was struck by the tubs and killed instantly. If the two stationary tubs had been properly spragged this accident would not have occurred. Inspection and inquiry made.
117	17th February, 6 A.M.	Katras mine, Katrasgarh P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Gopi Shaw, (m.), 31, <i>Trolleyman.</i>	Coal	Deceased was struck and fatally injured by a tub which ran wild from the top of a haulage slope. Inspection and inquiry made.
118	20th March, 7-40 A.M.	New Damra mine, Kalipahari P. O., Bengal.	Ghuslok and Mualia Collieries, Ld.	Abhiram Bauri, (m.), 34, <i>Trammer.</i>	Coal	While two trammers were pushing a loaded tub along an underground tramping road they were overtaken by another tub which gravitated down a slight gradient behind them. They sustained injuries to the feet and one of them died nine days later from tetanus. If the tubs had been properly spragged the accident would not have occurred. Inspection and inquiry made.
119	26th March, 7 A.M.	South Kujama mine, Jharla P. O., Bihar and Orissa.	Bagdigi Kujama Collieries Co.	Gujju Mahato, (m.), 32, <i>Trolleyman.</i>	Coal	The derailment of three loaded tubs at a curve on an undulating underground tram line dislodged a prop. A trolleyman was struck by the falling prop and received injuries which proved fatal a few hours later. Inspection and inquiry made.
120	26th April, 1-30 P.M.	Jaraodih mine, Bokaro P. O., Bihar and Orissa.	Bombay, Baroda and Central India Railway, and Madras and Southern Marhatta Rail- way.	Mali Punjabi, (m.), 43, <i>Sirdar.</i>	Coal	While sitting at the entrance to an underground gallery from a quarry, a sirdar was struck by a loaded tub which, after running uncontrolled down a gradient of 1 in 80, became derailed at a curve. He sustained serious injuries and died one week later. Inspection and inquiry made.
121	5th May, 1 P.M.	Bara-Golai mine Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Dhan Bahadur Newar, (m.), 30, <i>Trammer.</i>	Coal	A loaded tub jammed on a tram level, and one of the two trammers pulled it from the front end and the other from behind. When the tub was on the move, the man in front stepped aside and was crushed between the tub and the side of the roadway. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1932—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—(29 deaths)—contd.						
123	29th June, 1-30 P.M.	Newton Chikli mine, Parasia P. O., Central Provinces.	Newton Chikli Collieries, Ltd.	Umedl, (f.), 23, Coal-filler.	Coal	At the foot of a haulage slope a female loader was run over and killed by a set of tubs which had run wild due to the breaking of the drawbar of the front tub. Inspection and inquiry made.
126	1st July, 4-15 A.M.	Malkera mine, Katrasgarh P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Ali Bux, (m.), 38, Trolleyman.	Coal	While a train of three loaded tubs was being lowered down a haulage incline, graded at 1 in 5, the leading tub became uncoupled, ran uncontrolled for a distance of 70 feet and was then derailed at a crossing. A trolleyman who was sitting at the bottom of the incline was struck and fatally injured. Another trolleyman in attempting to escape ran into the side of a pillar and sustained serious injuries. Inspection and inquiry made.
124	8rd July, 4-30 A.M.	Bhurkunda mine, Bhurkunda P. O., Bihar and Orissa.	Secretary of State for India.	Sorahi (m.), 28, Trolleyman.	Coal	While a set of five loaded tubs was being hauled up a road way, the two rear tubs became uncoupled and ran back. A trolleyman was struck and fatally injured. If he had attached the dog, the accident would not have occurred. Inspection and inquiry made.
125	8th July, 4 A.M.	Dharmaband (New Tatturya) mine, Katrasgarh P. O., Bihar and Orissa.	New Tatturya Coal Co., Ltd.	Hanif Meah, (m.), 15, Door-attendant.	Coal	Deceased was employed in opening and closing a ventilation-door on a tramping level. While a loaded tub was gravitating through the door he was struck either by the loaded tub or the door. He was thrown to the ground and sustained injuries from which he died forty minutes later. Inspection and inquiry made.
126	12th July, 1 P.M.	Newton Chikli mine, Parasia P. O., Central Provinces.	Newton Chikli Collieries, Ltd.	Nannubibi, (f.), 50, Labourer.	Coal	While at work on an endless haulage line on the surface deceased was struck by the moving rope and sustained serious injuries. She succumbed to her injuries one month later. Inspection and inquiry made.
127	21st July, 9-45 A.M.	Datia mine, Jannardeo P. O., Central Provinces.	Amalgamated Coal- Selsu, Ltd.	Ramma Dhimar, (m.), 26, Trammer.	Coal	Against orders an underground trammer was riding up an incline on an empty tub when the tub derailed and he was run over and fatally injured. Inspection and inquiry made.

128	6th September, 5 A.M.	Aldih mine, Sitarampur P. O., Bengal.	Aldih Coal Co., Ld.	Mungia Chamar, (f.), 25, Loader.	Coal	While attempting to cross an underground haulage road in front of a set of empty tubs which was being lowered against a buffer a female loader was caught between the leading tub and the buffer. She was fatally injured. Inspection and inquiry made.
129	6th September, 4-30 P.M.	Sodepur (9 & 10 pits) mine, Sitarampur P. O., Bengal.	Bengal Coal Co., Ld.	Sitaram Manjhi, (m.), 87, Trammer.	Coal	While an empty tub was being hauled up a slope of 1 in 5, it became derailed at a crossing. Deceased, who was riding on the tub, was thrown off violently and sustained fatal injuries. Inspection and inquiry made.
130	10th September, 3 A.M.	Madhuban (Lodna Nos. 6 & 7 pits) mine, Jharia P. O., Bihar and Orissa.	Waliram Taneja & Co.	Budhu Bhulya, (m.), 28, Trolleyman.	Coal	A trammer was struck and fatally injured by a set of 7 empty tubs which was being lowered down a haulage road. Inspection and inquiry made.
131	10th September, 7-35 P.M.	Barkui mine, Parasia P. O., Central Provinces.	Pench Valley Coal Co., Ld.	Budhu Swceper, (m.), 45, Sweeper.	Coal	While a train of loaded tubs on an endless haulage incline was being hauled up, the train ran away, due to the clips slipping, and overtook deceased, who was on the incline, injuring him fatally. Inspection and inquiry made.
132	14th September, 11-30 P.M.	Jamadoba mine, Jalgora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Parameswar Singh, (m.), 23, Coal-cutter.	Coal	Three mine cars were allowed to run wild on a gradient of 1 in 60 into the face of a gallery. Deceased who was working there, was struck by the leading car and killed instantly. Inspection and inquiry made.
133	22nd September, 1 A.M.	Katras mine, Katrasgarh P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Kari Chamarni, (f.), 25, Loader.	Coal	Three loaded tubs standing against a buffer near the bottom of a haulage road, dipping at 1 in 7, were attached to seven empty tubs and after the set had been hauled 120 feet up the road a draw-bar link on the first empty tub broke. The set ran back and smashing the buffer, which consisted of two 8" diameter poles, overturned and came to rest 30 feet beyond it. A female coal-carrier was killed instantly and a miner was seriously injured by the runaway tubs. If the buffer had been more substantial the accident would have been avoided. Inspection and inquiry made.
134	9rd October, 5 P.M.	Sitalpur Mine, Dishergarh P. O., Bengal.	Bengal Coal Co., Ld.	Mulati Mejhian, (f.), 42, Coal-carrier.	Coal	While a train of loaded tubs was being lowered into the shaft level the bulging sides of one of the tubs struck a tub which had been overturned against a stopping. Deceased who was standing behind the latter was fatally injured by being jammed between the tub and the stopping. Inspection and inquiry made.
135	22nd October, 4 P.M.	Ghorawari mine, Junnordeo P. O., Central Provinces.	Hirdagarh Leries, Ld.	Tunda Chamar, (m.), 35, Coal-filler.	Coal	While a train of empty tubs was being lowered down a slope of 1 in 12, deceased rushed to the road to claim a tub. The leading tub became derailed and pinned him against the side of a pillar. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1932—*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—(29 deaths)—<i>concl'd.</i>						
136	25th October, 1-15 P.M.	Methani mine, Sitarampur P. O., Bengal.	Aldih Coal Co., Ltd.	Daru Bauri, (m.), 30, Trammer.	Coal	While replacing a rope on the pulleys at a curve on an underground haulage a trammer received slight injuries to his fingers. Owing to his disregard of medical advice he contracted tetanus from which he died eight days later. Inspection and inquiry made.
137	2nd November, 8 A.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Rauseguno Coal Association, Ltd.	Kishen Lal Lalla, (m.), 35, Sirdar. Chota Mahato, (m.), 25, Door-attendant.	Coal	A set of ten mine cars was being lowered by an electric locomotive down a gradient of 1 in 6 to 1 in 8. The electric brake became inoperative and the set ran wild for a distance of about 1,000 feet, when the locomotive and several mine cars became derailed and overturned, inflicting fatal injuries on the deceased who were sitting down on the side of the road. The driver sustained slight injuries. Inspection and inquiry made.
138	16th November, 11-30 A.M.	Barkui mine, Parasia P. O., Central Provinces.	Pench Valley Coal Co., Ltd.	Buddhu Gond, (m.), 50, Tub-filler.	Coal	While a haulage attendant was about to couple three loaded tubs, which he had left standing insufficiently spragged on a haulage incline, to a train of loaded tubs the three tubs ran down the incline and struck a miner who was fatally injured. Inspection and inquiry made.
139	8th December, 2-15 P.M.	Sawang mine, Bokaro P. O., Bihar and Orissa.	East Indian and Bengal Nagpur Railways.	Babulal Gope, (m.), 25, Trammer.	Coal	While a trammer was assisting in separating two tubs, the buffers of which had become interlocked, his arm was caught between the tubs and fractured. His injuries subsequently ended fatally. Inspection and inquiry made.
140	16th December, 8 P.M.	Jarandih mine, Bokaro P. O., Bihar and Orissa.	Bombay, Baroda and Central India Railway, and M. and S. M. Rail- way.	Punit Beldar, (m.), 55, Coal-cutter.	Coal	On a haulage incline into a quarry, a prop which had been secured to two empty tubs of a set was dislodged when the set reached the bottom of the haulage. It fell down an embankment and struck a miner who had gone through a fence to retrieve his basket. He was fatally injured. Inspection and inquiry made.

141	25th December, 2-30 A.M.	Gopalichuk west mine, Kusunda P. O., Bihar and Orissa.	Gopalichuk Co., Ltd.	Coal	Tori Mullick, (f.), 35, Loader.	Coal	A trammer released four loaded tubs and allowed them to run 70 feet down a slight gradient to four stationary tubs. A coal-carrier was crushed between the stationary and moving tubs and received fatal injuries. If the trammer had taken the precaution to see that the line was clear before releasing the tubs or if he had lowered the tubs singly and under control the accident would have been avoided. Inspection and inquiry made.
142	27th December, 12-15 P.M.	Kargoli mine, Bokaro P. O., Bihar and Orissa.	Great Indian Penin- sula Railway.	Coal	Chainu Chamar, (m.), 30, Coal-cutter.	Coal	A runaway tub struck and fatally injured a miner, who, contrary to orders, was waiting on a haulage plane. In- spection and inquiry made.
143	80th December, 12 A.M.	Namdang mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Coal	Mihihal Lohar, (m.), 31, Assistant Rope Mistry.	Coal	Deceased was fatally injured in attempting to mount a set of moving tubs. Inspection and inquiry made.

SUNDRIES UNDERGROUND—(7 deaths).

144	8th February, 9-40 A.M.	Bhagaband mine, Jharis P. O., Bihar and Orissa.	Borrea Coal Co., Ltd.	Coal	Lakhu Kole, (m.), 25, Haulage khala- sise. Fskir Gope, (m.), 35, Labourer.	Coal	While the electric motor of an underground haulage engine was being cleaned with petrol the petrol was ignited and six workmen were severely burned. Two of them subse- quently died. It was presumed that the bulb of an electric lamp used for inspection purposes was accident- ally broken, and that the glowing filament of the lamp ignited the petrol vapour. Inspection and inquiry made.
145	2nd July, 8-5 A.M.	Gua mine, Gua P. O., Bihar and Orissa.	Indian Iron & Steel Co., Ltd.	Iron Ore	Manu Rout, (m.), 28, Quarry-man.	Iron Ore	While a miner was working on the face of an iron ore quarry he slipped and fell 15 feet to the bottom of the face and received injuries from which he died one and a half hours later. Inspection and inquiry made.
146	2nd August, 7 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ltd.	Silver- lead zinc.	Bajir Singh, (m.), 27, Miner.	Silver- lead zinc.	While at work removing a staging in a chute, deceased fell a distance of 87 feet down the chute and was killed instantly. Inspection and inquiry made.
147	24th August, 1 P.M.	Jamadoba mine, Jealigora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Coal	Butta Singh, (m.), 25, Labourer.	Coal	While a labourer was assisting in the raising of a locomotive for the purpose of repairs, the locomotive slipped and crushed him severely. He died four months later. Inspec- tion and inquiry made.
148	6th September, 11 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ltd.	Silver- lead- zinc.	Wan Kyone Yo, (m.), 27, Miner.	Silver- lead- zinc.	Deceased was repairing the bottom of a waste chute when there was rush of waste material which broke down the bottom of the chute. He was struck by the bottom boards and buried under the waste material. When extricated he was found to be dead. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1932—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—(7 deaths)—contd.						
149	3rd October, 12-45 P.M.	Standard (Jharia Khas Section) mine, Jharia P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Huro Barhi, (m.), 38, Timberman.	Coal	Following the withdrawal of props in a seam 24 feet thick, a timberman jumped over a prop which was resting against a ledge at the side of a gallery. His foot struck the prop and dislodged it, causing it to fall across his leg. He sustained serious injuries from which he died four hours later. Inspection and inquiry made.
BY SURFACE MACHINERY—(1 death).						
150	16th November, 5 A.M.	Salem mine, Salem Junction P. O., Madras.	Magnesite Syndi- cate, Ld.	Veerappan, (m.), 19, Labourer.	Magne- site.	Deceased attempted to investigate a temporary blockage in a grinding machine without informing the driver. His arm was caught in the machinery and he received injuries from which he afterwards died.
ON SURFACE RAILWAYS AND TRAMWAYS BELONGING TO THE MINE—(6 deaths).						
151	9th March, 2-45 P.M.	Bhagaband mine, Jharia P. O., Bihar and Orissa.	Borra Coal Co., Ld.	Paban Mahato, (m.), 36, Labourer.	Coal	Deceased was one of a gang engaged in hand-shunting wagons. While using a crowbar to move an empty wagon he slipped and fell down. His left leg was run over and he died two days later. Inspection and inquiry made.
152	25th March, 10 A.M.	Lekhapani mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Til Bang Naga, (m.), 25, Labourer.	Coal	On the surface of a disused mine two casual labourers tried to ride down a steep inclined plane on an empty tub. The tub derailed and one of the men was thrown against a stone pillar and fatally injured. Inspection and inquiry made.
153	31st March, 9-30 A.M.	Bara-Golai mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Susila Kurmi, (f.) 45, Trammer.	Coal	While a woman was pushing a loaded tub on a surface tram line she was overtaken by a tub pushed by another trammer. Her leg was crushed between the buffers of the two tubs and she died of pneumonia after thirty nine days. Inspection and inquiry made.

154	29th July, 11-30 A.M.	Beldih mine, Sitarampur P. O., Bengal.	Equitable Coal Co., Ld.	Aswini Bauri, (m.), 28, <i>Trammer.</i>	Coal	While a trammer was dealing with a train of tubs on a surface endless haulage his head was crushed between the leading tub of the train and the last of a train of standing tubs. He received fatal injuries. Inspection and inquiry made.
155	18th September, 10-30 P.M.	Ghorawari mine, Jumardoo P. O., Central Provinces.	Hirdagarh Colli- ries, Ld.	Ramdhani Baldist, (m.), 49, <i>Handhunter and Loader.</i>	Coal	Deceased was arranging coal in a stationary tub on a level line when a trammer pushed another tub towards it from behind. Deceased was caught between the two tubs and sustained fatal injuries. Inspection and inquiry made.

BY ELECTRICITY—(1 death).

156	20th July, 10 A.M.	Wah mine, Wah P. O., Punjab.	Punjab Portland Cement, Ld.	Sher Zaman, (m.), 35, <i>Labourer.</i>	Lime- stone.	While attempting to rescue a man who had received an electric shock, a quarry labourer was electrocuted. Inspection and inquiry made.
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MISCELLANEOUS ON SURFACE—(7 deaths).

157	4th March, 5-30 P.M.	Kojora mine, Kajoragram P. O., Bengal.	Roy Dutt & Co.	Moti Lal Mochi, (m.), 35, <i>Labourer.</i>	Coal	While descending one of the upright members of a headgear deceased slipped and fell a distance of some 12 feet. He received injuries from which he died on the following day. Inspection and inquiry made.
158	4th April, 10-30 A.M.	Mayangon mine, Mayangon P. O., Burma.	Khan Bahadur Ebrahim.	Ananta Ooryia, (m.), 23, <i>Loader.</i>	Stone	A workman carrying a piece of stone on his head was crossing a plank, 10 feet long and 8 inches wide, which had been placed as a bridge between the top of a bank, 2 feet high, and level ground below, when the plank tipped sideways and he fell to the ground. He was fatally injured. Inspection and inquiry made.
159	28th April, 10 A.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Ransegunge Coal Association, Ld.	Kali Charan Dhaikar, (m.), 55, <i>Shale picker.</i>	Coal	While a labourer was levelling coal in a railway wagon under a screening plant, one of the two ropes supporting a coal chute broke causing the chute to tilt and strike him. He lost his balance and fell 8½ feet to the ground, sustaining serious injuries from which he died nine days later. Inspection and inquiry made.
160	27th May, 10-15 A.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Ransegunge Coal Association, Ld.	Abid Khan, (m.), 38, <i>Electric filler.</i>	Coal	While a mechanic was dismantling an overhead electric supply line, he fell from a pole, 20 feet high, and sustained injuries from which he died nine hours later. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accident during the year 1932—*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.
MISCELLANEOUS ON SURFACE—(7 deaths)— <i>contd.</i>						
161	8th June, 12 A. M.	Titwa mine, Bajauli P. O., Bihar and Orissa.	Chatturam Dasan Ram.	Bisna Hazam. (m.), 25, <i>Labourer.</i>	Mica	Five labourers were at work on an old mica dump situated on the side of a hill, when they dislodged some boulders which rolled down from a height of 10 feet. One of them was struck by a boulder and fatally injured. Inspection and inquiry made.
162	6th August, 12 A. M.	Banksimula mine, Charanpur P. O., Bengal.	Bengal Coal Co., Ld.	Behari Bhuiya, (m.), 40, <i>Loader.</i>	Coal	Three men carrying a prop, 20 feet long, dropped it at a surface siding. One of them failed to throw the prop clear and received injuries from which he died shortly after. Inspection and inquiry made.
163	11th September, 11-30 A. M.	Bhulanbarao mine, Pathardih P. O., Bihar and Orissa.	Bhulanbarao Coal Co., Ld.	Tara Singh, (m.), 22, <i>Sand stower.</i>	Coal	An attendant of a sand stowing plant climbed on a sand dump, 15 feet high, to push sand into a stowing bin. The side of the dump on which he was standing collapsed, and he fell with the sand into the bin. He was buried in the sand and died before he could be extricated. Inspection and inquiry made.

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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FATAL ACCIDENTS NOT INCLUDED IN THE STATISTICS—(27 deaths).

1	14th January, 7-30 A. M.	Kustore mine, Kusunda F. O., Bihar and Orissa.	Baneesunge Coal Association, Ltd.	Sahidon Bibi, (f.), 35. Surface labourer.	Coal.	An accident under the Indian Railways Act.	While crossing a railway in the course of her employment, deceased was knocked down by a passenger train. She was killed instantly. Inspection and inquiry made.
2	29th January	Khewra mine, Khewra F. O., Punjab.	Government of India.	Allah Dad, (m.), Drillman.	Salt.	Not an accident.	Deceased, who was working on a drilling machine, went a short distance from the working face to rest. His companion noticing that he was resting longer than usual went to call him but found him to be dead. Death was due to heart failure. Inspection and inquiry made.
3	3rd February, 1-30 P. M.	Bokaro mine, Bokaro F. O., Bihar and Orissa.	East Indian, and Bengal Nagpur Railways.	Budhan Bhuiya, (m.), 6.	Coal.	Not employed.	A child passed through a fence and was run over by a train of loaded tubs on a surface haulage road. He was severely injured and died on the following day. Inspection and inquiry made.
4	9th February, 3 P. M.	Datia mine, Jharia F. O., Central Provinces.	Amalgamated Coalfields, Ltd.	Pancha Chamar, (m.), 23.	Coal.	Not employed.	Deceased was run over and killed by a train on an underground haulage road. He was a fugitive from justice, and it was presumed that he met his death while seeking a hiding place in the mine. Inspection and inquiry made.
5	11th February, 10 A. M.	Lodna mine, Jharia F. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ltd.	Sukhi Korain, (f.), 8.	Coal.	Not employed.	Deceased was crossing a surface tramline when she was knocked down by a loaded tub which was being pushed along by a trolleyman. She sustained injuries which proved fatal. Inspection and inquiry made.
6	26th March, 2 A. M.	Joyramdasga mine, Asansol F. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Jeo Kolo, (m.), 32. Coal-cutter.	Coal.	Not a mining accident.	A miner sleeping on the verandah outside his quarters was struck by a pick, which apparently had fallen from two pegs driven into the wall 5 feet above him. He sustained a punctured wound over the heart and died within an hour. Inspection and inquiry made.
7	17th April, 9-30 A. M.	Sitanala mine, Bhojudih F. O., Bihar and Orissa.	Bengal Coke and Coal Products, Ltd.	Ram Saran Thakur, (m.), 35.	Coal.	Not Employed.	While illegally riding on a train of loaded tubs drawn by a locomotive on a surface tramline a villager was run over and fatally injured. Inspection and inquiry made.
8	27th May, 11 A. M.	Bhulanbararee mine, Pathardih F. O., Bihar and Orissa.	Bhulanbararee Coal Co., Ltd.	Raghu Nandan Nunia, (m.), 5.	Coal.	Not Employed.	Deceased was found drowned in a pool of water, 3½ feet deep. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1932—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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FATAL ACCIDENTS NOT INCLUDED IN THE STATISTICS—(27 deaths)—contd.

9	4th June, about 1 A.M.	Pretoria mine, Charanpur P. O., Bengal.	Saeboro Coal Co., Ltd.	Nagendra Bauri, (m.), 24, Labourer.	Coal	Not a mining accident.	The dead body of deceased was found at the bottom of a shaft, 340 feet deep. As the shaft was securely fenced on all sides it was assumed that the man had deliberately climbed over the fence and jumped down the shaft. Inspection and inquiry made.
10	11th June, 3 P.M.	Kajora mine, Kajora P. O., Bengal.	Guzdar Kajora Colliery Co., Ltd.	Chandamoni Bibi, (f), 26.	Coal	Not employed.	While crossing a surface tramline a woman was run over and killed by a locomotive. Inspection and inquiry made.
11	26th June, 2-45 P.M.	Patmohna mine, Sitarampur P. O., Bengal.	North Damuda Coal Co. Ltd.	Jota Bagdi, (m.), 20, Labourer.	Coal	Not a mining accident.	The body of deceased was found under a thatched roof which had been blown off a building on the previous day. Inspection and inquiry made.
12	2nd August, 11-30 A.M.	Huntodih mine, Mohuda P. O., Bihar and Orissa.	North West Coal Co., Ltd.	Ramdeo Beldar, (m.), 3.	Coal	Not employed.	While four tubs were being loaded with coal on a colliery depot, they moved down a gradient of 1 in 10. A child was struck and killed by the moving tubs. Inspection and inquiry made.
13	26th August, 11-30 A.M.	Jatschappa mine, Parasia P. O., Central Provinces.	Amalgamated Coal-fields, Ltd.	Paramal Abir, (m.), 7.	Coal	Not employed.	A child was found drowned in a water-tank. The tank was fenced properly. Inspection and inquiry made.
14	10th September, 1 P.M.	Zawe mine, Tenasserim P.O., Burma.	Saw Leiu Lee	Mg. Htu Shewe, (m.), 20, Labourer.	Tin	Not a mining accident.	A hut was struck by a tree which was blown down while a strong wind was blowing. One occupant of the hut was killed instantly while the other was seriously injured. Inspection and inquiry made.
15	15th September.	Loyabad mine, Bangjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ltd.	Gurusahay Mahato, (m.), 24.	Coal	Not employed.	Deceased was found dead at the bottom of a disused airshaft. Inspection and inquiry made.
16	1st October, 4 P.M.	Amlabad mine, Jealgora P. O., Bihar and Orissa.	Eastern Coal Co., Ltd.	Krishna Rao, (m.), 42, Coal-cutting machine-man.	Coal	Not an accident.	A coal-cutting machineman died underground from heart failure at the termination of his shift. Inspection and inquiry made.
17	3rd October, 2-30 P.M.	Jitpur mine, Bhage P. O., Bihar and Orissa.	Bengal Iron Co., Ltd.	Chaitoo Pashi, (m.), 45, Labourer.	Coal	Not an accident.	While working in the pit, deceased took ill suddenly and died on reaching the surface. Death was due to heart failure. Inspection and inquiry made.

18	9th October	Pathargoria mine, Mohuda P. O., Bihar and Orissa.	B.K. Mukherjee & Co., Ld.	Butni Gosain, (f.), 16.	Coal	Not employed.	A woman was found drowned in an old waterlogged incline which was not surrounded by a fence. Inspection and inquiry made.
19	10th October, 6 P.M.	Khas Jimagora mine, Jharia P. O., Bihar and Orissa.	J. & K. Ramji	Sarada Mahaton, (f.), 25, Labourer.	Coal	Not a mining accident.	Deceased was found drowned in a boiler feed tank containing seven feet of water. Inspection and inquiry made.
20	24th October, 7-30 P.M.	Amalabad mine, Gealgora P. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Budhan Suri, (m.), 25, Coal-cutter.	Coal	Not a mining accident.	Deceased was drowned while bathing in a reservoir containing 7 feet of water. Inspection and inquiry made.
21	11th November, 7-30 A.M.	Phulariland mine, Katragarh P. O., Bihar and Orissa.	Chandanmull Indrakumar.	Lakshapatia Boldarin, (f.), 5.	Coal	Not employed.	Deceased was crossing a railway line when she was caught by a slowly moving wagon being pushed from behind. She sustained serious injuries to which she succumbed two days later. Inspection and inquiry made.
22	18th November, 4 P.M.	Patmohua mine, Sitarampur P. O., Bengal.	North Damuda Coal Co., Ld.	Raghubir Kuri, (m.), 32, Coal-cutter.	Coal	Not an accident.	While walking up a haulage incline at the termination of his shift, a mine suddenly collapsed and expired from heart failure. Inspection and inquiry made.
23	26th November.	Damagurria mine, Kulti P. O., Bengal.	Damagurria Coal Co. (1930), Ld.	Thatoo Manjhi, (m.), 10.	Coal	Not employed.	While playing beside the return wheel of a surface endless rope haulage a boy took hold of the rope. His arm was drawn into the wheel and wrenched off. He died shortly after. The return wheel was fenced. Inspection and inquiry made.
24	7th December, 7 A.M.	Ghorawari mine Jnugordoo P. O., Central Provinces.	Hirdagarh Collieries, Ld.	Batoo Ahir, (m.) 40, Shot preparer.	Coal	An accident under the Indian Explosives Act.	While the floor of a powder factory was being cleaned an explosion occurred and a worker was fatally burned. As he was using an iron pick and shovel it was presumed that the gunpowder was ignited by a spark.
25	23rd December, 1-30 P.M.	Argada mine, Argada P. O., Bihar and Orissa.	Bengal Nagpur Railway Co., Ld.	Aku Dasadh, (m.), 30; Shadi Meah, (m.), 24, Labourers.	Coal	An accident under the Indian Explosives Act.	While two persons were grinding gunpowder in a gunpowder factory, the powder became ignited by some cause which could not be ascertained. They received fatal injuries. Inspection and inquiry made.
26	30th December, 11 A.M.	Noamundi mine, Noamundi P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Gura Munda, (f.), 14.	Iron ore.	Not employed.	A block of iron ore weighing about 2 tons was dislodged from a quarry face 12 feet high. The block came to rest 10 feet from the foot of the face but two splinters off the block, weighing about 50 lb., were thrown a distance of 45 feet from the face where they struck and seriously injured two women. A child 1½ years old being nursed by one of the women was also struck and killed. Inspection and inquiry made.

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL						Total.
			Number of deaths.						
			Under-ground.		Open workings.		Surface.		
Males.	Females.	Males.	Females.	Males.	Females.				
Assam	Lakhimpur—M a k u m coalfield.	7	5	...	...	...	1	1	CO 7
Baluchistan	Quetta . . . . .	...	...	...	...	...	...	...	...
Bengal (and part of Bihar and Orissa).	Raniganj coalfield	57	36	5	...	...	3	...	44
Bihar and Orissa	Jharia coalfield	66	60	8	...	...	4	...	72
	Bokaro "	5	4	...	1	...	...	...	5
	Karanpura "	1	1	...	...	...	...	...	1
	Giridih "	7	6	2	...	...	...	...	8
Central Provinces	Chanda	1	1	...	...	...	...	...	1
	Ghindwara—P e n o h Valley coalfield.	12	9	1	...	...	1	1	12
Punjab	Salt Range coalfield	1	1	...	...	...	...	...	1
	Total (Coal)	137	123	16	1	...	9	2	151

DIX II.

No. 2.

regulated by the Indian Mines Act, during the year 1932.

ACCIDENTS.				SERIOUS ACCIDENTS.											
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.							Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.	Underground Open workings and Surface.		Underground.		Open workings.		Surface.		Total.	Underground.	Open workings.	Surface.	Underground, Open workings and Surface.
					Males.	Females.	Males.	Females.	Males.	Females.					
AL															
3.64	...	4.44	3.84	34	30	...	...	...	4	...	84	21.87	...	3.89	13.66
...	...	...	...	1	1	...	...	...	...	...	1	11.49	...	...	9.43
1.14	...	0.23	0.89	101	71	10	1	...	21	...	108	3.27	1.12	1.62	2.08
1.58	...	0.20	1.13	156	130	12	2	...	20	4	156	3.06	2.31	1.20	2.48
1.22	0.19	...	0.43	32	14	2	5	5	7	2	35	4.90	1.93	2.73	2.98
1.01	...	...	0.39	2	1	...	...	...	1	...	2	1.01	...	1.52	0.78
1.39	...	...	1.09	25	20	3	...	...	3	...	28	4.00	...	3.11	3.55
0.49	...	...	0.88	6	5	...	...	...	1	...	6	2.46	...	1.64	2.27
2.22	...	1.13	1.91	58	42	5	...	...	9	1	57	10.44	...	3.64	9.07
1.22	...	...	0.76	13	7	...	...	...	6	...	13	8.51	...	12.45	9.89
1.41	0.13	0.26	1.02	436	311	32	8	5	72	7	435	3.49	1.63	1.87	2.93

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	FATAL								
		Number of separate fatal accidents.	Number of deaths.							
			Under-ground.		Open workings.		Surface.		Total.	
			Males.	Females.	Males.	Females.	Males.	Females.		
Bihar and Orissa . . .	Singbhum . . .	1	...	...	1	...	...	...	1	IRON
Burma	Northern Shan States.	...	...	...	...	...	...	...	...
	Total (Iron Ore)	1	...	...	1	...	...	...	1	
Central Provinces . . .	.....	1	...	...	2	...	...	...	2	M ANGA
Burma	Northern Shan States .	4	5	...	...	...	...	...	5	LEAD
Burma . . . . .	.....	3	1	...	3	...	...	...	4	TIN AND

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1932—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.											
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.							Serious injury rate per 1,000 persons employed.			
Underground	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.		Open workings.		Surface.		Total.	Underground.	Open workings.	Surface.	Underground, Open workings and Surface.
					Males.	Females.	Males.	Females.	Males.	Females.					
ORE															
...	0·37	...	0·28	1	..	...	1	...	...	...	1	...	0·37	...	0·28
...	...	...	...	1	...	...	1	...	...	...	1	...	27·03	...	17·54
...	0·37	...	0·37	2	...	...	2	...	...	...	2	...	0·73	...	0·54
NESE ORE															
...	0·37	...	0·37	3	...	...	1	1	2	...	4	...	0·97	3·24	1·35
ORE															
1·84	...	...	1·38	110	102	...	...	...	8	...	110	37·56	...	18·28	34·67
WOLFRAM ORE															
0·79	0·74	...	0·67	16	1	...	6	...	10	...	17	0·79	1·49	15·29	2·34

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1932—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.												
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.								Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.		Open workings.		Surface.		Total.	Underground.	Open workings.	Surface.	Underground, Open workings and Surface.	
					Males.	Females.	Males.	Females.	Males.	Females.						
ORE	...	0.79	...	0.74	1	1	...	...	...	...	1	...	...	...	0.74	
ORE	3.15	...	...	2.24	8	5	...	...	...	3	...	8	3.94	...	5.77	4.47
CA	3.60	0.58	0.92	2.29	6	5	...	1	...	1	...	7	0.90	0.29	0.92	0.70
	1.54	...	...	0.54	...	...	...	...	...	...	...	...	...	...	...	...
	3.37	0.52	0.52	2.00	6	5	...	1	...	1	...	7	0.90	0.28	0.52	0.53
LT	1.81	...	...	0.68	11	6	2	...	...	3	...	11	10.50	...	6.83	9.09

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.						
			Under-ground.		Open workings.		Surface.		Total.
			Males.	Females.	Males.	Females.	Males.	Females.	
								MAGNE	
Madras	Salem	1	...	...	...	...	1	...	1
									SLA
Bihar and Orissa . . . . .	.....	...	...	...	...	...	...	...	...
									LIME
Bihar and Orissa . . . . .	.....	...	...	...	...	...	...	...	...
Burma . . . . .	.....	1	...	...	2	...	...	...	2
Central Provinces . . . . .	.....	...	...	...	...	...	...	...	...
Punjab . . . . .	.....	2	...	...	1	...	1	...	2
	Total (Limestone)	3	...	...	3	...	1	...	4

DIX II *contd.*No. 2—*contd.*regulated by the Indian Mines Act, during the year 1932—*contd.*

ACCIDENTS.				SERIOUS ACCIDENTS.											
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.							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.	Males.	Females.	Males.	Females.	Total.				
SITE															
...	...	6.33	1.00	...	...	...	...	...	...	...	...	...	...	...	...
TE															
...	...	...	...	2	...	...	1	...	1	...	2	...	4.67	...	9.85
STONE															
...	...	...	...	1	...	...	...	...	1	...	1	...	...	3.89	0.55
...	6.29	...	6.17	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	3	...	...	...	2	1	...	3	...	0.58	1.80	0.75
...	3.14	2.45	2.75	4	...	...	2	...	2	...	4	...	6.29	4.90	5.51
...	0.53	0.79	0.58	8	...	...	2	2	4	...	8	...	0.71	3.16	1.16

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	FATAL								
		Number of separate fatal accidents.	Number of deaths.						Total.	
			Under-ground.		Open workings.		Surface.			
			Males.	Females.	Males.	Females.	Males.	Females.		
Bihar and Orissa	.....	1	...	...	1	...	...	...	1	STO
Burma	.....	1	...	...	...	...	1	...	1	
Madras	.....	...	...	...	...	...	...	...	...
	Total (Stone)	2	...	...	1	...	1	...	2	
Bihar and Orissa	.....	...	...	...	...	...	...	...	...	CHINA
	Grand Total (All minerals).	168	155	16	14	...	13	2	200	

DIX II—*contd.*No. 2—*contd.*regulated by the Indian Mines Act, during the year 1932—*concl'd.*

ACCIDENTS.				SERIOUS ACCIDENTS.											
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.							Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.		Open workings.		Surface.		Total.	Underground.	Open workings.	Surface.	Underground, Open workings and Surface.
					Males.	Females.	Males.	Females.	Males.	Females.					
NE															
...	0·38	...	0·30	2	...	...	3	...	...	...	3	...	1·13	...	0·89
..	...	20·00	0·52	2	...	...	1	...	1	...	2	...	0·63	20·00	1·04
...	...	...	...	2	...	...	1	...	1	...	2	...	0·74	2·78	1·17
...	0·11	0·41	0·18	6	...	...	5	...	2	...	7	...	0·57	0·82	0·62
CLAY															
...	...	...	...	1	...	...	...	...	1	...	1	...	...	2·38	0·82
1·54	0·34	0·28	0·36	600	431	34	26	8	107	7	618	4·19	0·38	2·16	3·0

APPENDIX II—*concl.*

Table No. 3.

Statement of fatal accidents in Mines regulated by the Indian Mines Act, during the year 1932, 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 and ignitions of fire-damp.	Falls of roof.	Falls of side.	In shafts.	Suffocation by gases.	By explosives.	Irreptions of water.	Haulage.	Underground machinery.	Miscellaneous underground.	Surface.	By electricity.	Total deaths.	Underground.	Open workings.	Surface.	Underground, Open workings and Surface.
Coal	137	7	49	39	6	...	7	..	29	...	4	10	...	151	1.41	0.12	0.26	1.02
Iron Ore	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	0.37	...	0.37
Manganese Ore.	1	...	...	2	...	...	...	...	...	...	...	...	...	2	...	0.97	...	0.67
Lead Silver	4	...	...	1	...	...	2	...	...	2	...	...	...	5	1.64	...	...	1.58
Tin and Wolfram Ore.	3	...	...	4	...	...	...	...	...	...	...	...	...	4	0.79	0.74	...	0.67
Chromite Ore	1	...	...	1	...	...	...	...	...	...	...	...	...	1	...	0.79	...	0.74
Copper Ore	3	...	3	...	...	...	1	...	...	...	...	...	...	4	3.15	...	...	3.24
Mica	6	...	...	2	...	19	2	...	...	...	...	1	...	24	3.37	0.53	0.52	2.00
Salt	1	...	...	...	...	...	1	...	...	...	...	...	...	1	1.31	...	...	0.83
Magnesite	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	6.33	1.00
Limestone	3	...	...	3	...	...	...	...	...	...	...	1	...	4	...	0.53	0.79	0.58
Stone	2	...	...	1	...	...	...	...	...	...	...	1	...	2	...	0.11	0.41	0.18
Total 1932	163	7	52	53	6	19	15	...	29	...	7	13	1	200	1.54	0.34	0.28	0.98
Total of preceding year.	169	...	65	61	8	...	23	2	32	1	13	23	1	227	1.43	0.46	0.60	0.96
Difference	-26	+7	-13	-8	-2	+19	-8	-2	-3	-1	-5	-10	...	-27	+0.11	-0.12	-0.32	...

APPENDIX III.

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1932.

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.
Bengal	Bankura . . .	1	2	2	Regulation 76 of the Indian Coal Mines Regulations, 1926.	
	Burdwan . . .	1	1	1	Regulation 123 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	2	2	Section 35 of the Indian Mines Act, 1923, and Regulation 4 of Notification No. M-1055, dated 7th March 1929.	
	Do.	1	2	...	Regulation 17 of the Indian Coal Mines Regulations, 1926.	Case dropped as accused could not be traced.
	Do.	1	1	1	Regulations 115, 143 and 146 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	3	3	Sections 23(d), 23(f) and (2) of the Indian Mines Act, 1923, and Regulation 149 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	2	2	Section 23(c) of the Indian Mines Act, 1923, read with rule 10 made by the Bengal Government under section 30 of the Indian Mines Act, 1923, section 28(f) of the Indian Mines Act, 1923, Regulation 149 of the Indian Coal Mines Regulations, 1926, and Bye-law 35 made under section 32 of the Indian Mines Act, 1923, read with Rule 9 of the rules made by the Bengal Government under Section 30 of the Indian Mines Act, 1923.	
	Do.	1	5	...	Regulation 3(1) of the Indian Metalliferous Mines Regulations, 1926	Acquitted.

APPENDIX III—*contd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1932—*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.
Bengal— <i>contd.</i>	Burdwan	1	3	3	Section 15 of the Indian Mines Act, 1923 and Regulations 23 and 24 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	2	2	Regulations 126 and 127 of the Indian Coal Mines Regulations, 1926, and Rule 23 of the rules made by the Bengal Government under Section 30 of the Indian Mines Act, 1923.	
	Do.	1	1	1	Regulation 146 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	1	1	.....
	Do.	1	2	1	Regulation 148 of the Indian Coal Mines Regulations, 1926.	Case against one of the accused dropped owing to his illness.
	Do.	1	1	1	Bye-laws 48 and 51 made under Section 82 of the Indian Mines Act, 1923, read with Bye-law 31 and Regulation 146 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	1	—	Regulation 149 of the Indian Coal Mines Regulations, 1926.	Case dropped.
Bihar and Orissa.	Hazribagh	1	1	1	Regulation 3(7) of the Indian Metalliferous Mines Regulations, 1926.	
	Manbhum	1	1	1	Rule 18 made by the Bihar and Orissa Government under Section 30 of the Indian Mines Act, 1923.	
	Do.	1	2	2	Regulation 137 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 1932—*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>contd.</i>	Manbhum . . .	2	2	—	Regulation 3(3) of the Indian Coal Mines Regulations, 1926.	One of the accused could not be traced and the case against the other accused was dropped.
	Do.	2	2	2	Section 15 of the Indian Mines Act, 1923.	
	Do.	2	6	3	Regulation 17 of the Indian Coal Mines Regulations, 1926.	Three of the accused died.
	Do.	1	1	1	Section 15 of the Indian Mines Act, 1923, Regulations 70(3) of the Indian Coal Mines Regulations, 1926, read with Coal Mines Regulation 71 and Section 16 of the Indian Mines Act, 1923.	
	Do.	1	3	3	Regulation 149 of the Indian Coal Mines Regulations, 1923, read with Rule 9 made by the Bihar and Orissa Government under Section 30 of the Indian Mines Act, 1923.	
	Do.	1	1	1	Regulation 95 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	1	1	Regulations 82 and 84 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	10	10	Regulations 83, 84 and 148 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	2	2	Regulation 69 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 1932—*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>concid.</i>	Manbhum	1	3	3	Section 29(f) of the Indian Mines Act, 1923 and Rule 9 made by the Bihar and Orissa Government under Section 30 of the Indian Mines Act, 1923 and Bye-law 36 made under Section 32 of the Indian Mines Act, 1923, read with Coal Mines Regulation 149.	
	Do.	1	1	1	Rule 16 made by the Bihar and Orissa Government under Section 30 of the Indian Mines Act, 1923.	
	Do.	1	2	2	Regulation 137 of the Indian Coal Mines Regulations, 1926.	
	Do	1	5	5	Sections 23(d) and 28(2) of the Indian Mines Act, 1923.	
	Santhal Parganas	1	2	2	Regulations 13 and 38 of the Indian Metalliferous Mines Regulations, 1926.	
	Do.	1	2	2	Regulations 38, 40 and 41 of the Indian Metalliferous Mines Regulations, 1926.	
	Chhindwara	1	2	1	Regulation 4 of Notification No. M-1055, dated 7th March 1929.	One of the accused was acquitted.
Central Provinces.	Do.	1	1	1	Regulations 109 and 110 of the Indian Coal Mines Regulations, 1926, read with Bye-law 15 made under Section 32 of the Indian Mines Act, 1913.	
Madras	Nellore	2	4	3	Regulation 18 of the Indian Metalliferous Mines Regulations, 1926.	Case against one of the accused was withdrawn as he had left for Europe.
	TOTAL	40	83	67		

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 Santhal 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 Santhal 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 coal mine managers' certificates of competency and surveyors' certificates of competency were granted during the year 1932.

Certificates granted to holders of English certificates of competency.

(a) FIRST CLASS.

Name.	Number of Indian certificate.	Date of Indian certificate.	Number of English certificate.	Date of English certificate.
Llewellyn, Gwyn	364	12th April 1932 .	2228	3rd February 1928.
Underwood, John Herbert	365	Ditto .	2245	2nd August 1929.
Rooser, Rhys Pryce	368	Ditto .	2368	26th July 1929.

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

Names of persons to whom first and second class coal mine managers' certificates of competency and surveyors' certificates of competency were granted during the year 1932—*contd.*

Certificates granted to holders of English certificates of competency—*contd.*

(b) SECOND CLASS.

Nil.

(c) SURVEYORS' CERTIFICATES.

Nil.

Names of persons to whom first and second class coal mine managers' certificates of competency and surveyors' certificates of competency were granted during the year 1932.

INDIAN CERTIFICATES.

(a) FIRST CLASS.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Masters, Russie	211	12th April 1932.	
Mehta, Trambaklal Chaturbhuj	212	Ditto.	

APPENDIX IV—*concl'd.*Miscellaneous—*concl'd.*Statement No. 2—*concl'd.*

Names of persons to whom first and second class coal mine managers' certificates of competency and surveyors' certificates of competency were granted during the year 1932—*concl'd.*

INDIAN CERTIFICATES—*concl'd.*

(b) SECOND CLASS.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Sahgal, Siri Nath	464	12th April 1932.	
Kapoor, Bal Krishna	465	Ditto.	
Bagroy, Da-onchi Ram	466	Ditto.	
Tooley, Bal Ram	467	Ditto.	
Sanyal, Bimal Chandra	468	Ditto.	
Hasan, Anwarul	469	Ditto.	
Katumba, Yeshwant Mahadeo	470	Ditto.	
Majee, Dakahineswar	471	Ditto.	
Roy, Radha Binode	472	Ditto.	
Badhwar, Inder Jit	473	Ditto.	
Bullock, William James	474	Ditto.	
Kanotra, Mehanga Mal	475	Ditto.	

(c) SURVEYORS' CERTIFICATES.

Kapoor, Bal Krishna	52	20th January 1932.	
Grewal, Sarwan Singh	53	Ditto.	
Sarkar, Amal Krishna	54	Ditto.	
Sarkar, Sachindra Kumar	55	Ditto.	
Roy Barman, Priya Nath	56	Ditto.	
Chakrabartti, Kalish Chandra	57	Ditto.	
Mondal, Dhananjoy	58	Ditto.	
Roy, Mahadeb	59	Ditto.	