



DEPARTMENT OF MINES, INDIA

*Report of the Chief Inspector
of Mines in India under the
Indian Mines Act*

*For the year ending
31st Dec. 1924.*

*By R. R. SIMPSON, Esq., M.Sc.,
Chief Inspector of Mines in India.*



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FROM

R. R. SIMPSON, Esq., M.Sc.,
Chief Inspector of Mines in India,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
DEPARTMENT OF INDUSTRIES AND LABOUR,
SIMLA.

Dated Dhanbad, the 27th June 1925.

SIR,

I have the honour to submit the report upon the inspection of mines in British India for the year ending 31st December 1924.

INTRODUCTION.

It may be explained that this report relates entirely to the administration of the Indian Mines Act. A new Indian Mines Act (No. IV of 1923) came into force on the first day of July 1924. Under this new enactment, Act VIII of 1901 was repealed. The Act applies to British India only and not to the Indian States. The definition of a mine has been made more comprehensive and it now includes, subject to certain exemptions, all excavations where any operation for the purpose of searching for or obtaining minerals has been or is being carried on.

For the complete figures of production of all minerals raised from excavations of all depths in British India and the Indian States reference may be made to the statements of the "Mineral Production of India" published in the Records of the Geological Survey of India, and to the "Quinquennial Review of the Mineral Production of India" published every five years by the same Department. Mysore, where the Kolar goldfield is situated, and Hyderabad (Nizam's Dominions), have their own Departments of Mines. Detailed information of the mineral industries of those States is given in the annual reports of their respective Chief Inspectors of Mines.

Section I.—Persons employed.

During the year 1924 the daily average number of persons working in and about the mines regulated by the Indian Mines Act was 258,217, as compared with 234,864 in the previous year. This is an increase of 23,353 persons or 9.94 per cent. Of these persons 167,719 worked underground and 90,498 on the surface.

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STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT. CO tons.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
Assam . . .	Lakhimpur . . .	7	5	2	1	...	7	20	274,479
	Naga Hills . . .	1	...	1	...	...	1	5	60,063
	Sibsagar . . .	...	...	...	...	...	...	...	...
	TOTAL . . .	8	5	3	1	...	8	25	334,562
Baluchistan . . .	Kalet . . .	...	...	...	...	...	...	...	...
	Loralai . . .	1	...	1	...	1	...	...	158
	Quetta-Pishin . . .	7	...	7	...	...	4	4	4,111
	Sibi-Khost . . .	5	1	4	...	...	5	5	25,678
TOTAL . . .	13	1	12	...	1	9	9	29,947	
Bengal . . .	Bankura, Raniganj . . .	4	...	4	1	...	2	2	8,650
	Birbhum . . .	3	1	2	...	...	1	1	18,566
	Bardwan . . .	243	212	31	17	23	215	507	5,004,439
	TOTAL . . .	250	213	37	18	23	218	510	5,031,655
Bihar and Orissa . . .	Hazaribagh-Bokaro . . .	7	6	1	2	1	5	10	1,343,500
	Giridih . . .	11	5	6	...	3	11	21	768,690
	Jharia . . .	11	4	7	5	6	11	13	153,200
	Ramgarh Maunbhurn-Jharia . . .	4	...	4	2	...	...	...	5,905
	Raniganj . . .	354	203	151	25	33	252	631	10,692,442
	Raniganj . . .	99	23	76	13	17	66	144	868,203
	Palaman, Daltonganj . . .	1	1	...	1	...	...	...	4,691
	Sambalpur, Hingir-Bampur . . .	1	1	...	...	...	1	1	49,445
Carried over . . .	488	243	243	42	60	366	820	13,986,076	

DIX I.
AND MINERALS.

No. 1.

of workers and output of minerals, during the year 1924.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								ABOVE GROUND.				Grand total below and above ground.	
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.		Total above ground.
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
AI.													
1,778	176	...	1,948	...	...	...	...	1,948	1,280	370	82	1,682	3,630
145	...	...	145	325	...	...	325	470	357	7	...	364	834
...
1,917	176	...	2,093	325	...	...	325	2,418	1,587	377	82	2,046	4,464
...
24	...	...	24	...	...	...	...	24	38	...	...	38	62
66	...	...	66	9	...	...	9	75	26	...	...	26	101
300	...	...	300	225	...	...	225	425	317	...	6	333	748
290	...	...	290	234	...	...	234	524	381	...	6	397	911
51	74	...	125	12	2	...	14	189	42	43	...	85	224
38	14	...	50	1	1	...	2	52	34	22	1	57	109
12,348	6,458	19	18,825	5,840	3,337	13	9,190	28,015	10,065	4,940	248	15,273	43,288
12,435	6,548	19	19,000	5,833	3,340	13	9,206	28,206	10,161	5,005	249	15,415	43,621
3,581	3,680	10	7,221	3,991	1,579	63	5,633	12,854	4,491	1,729	432	6,653	19,506
3,853	1,391	12	5,256	580	71	...	651	5,907	1,296	479	5	1,780	7,687
357	260	4	621	113	32	5	150	771	613	448	33	1,094	1,865
66	43	8	112	4	12	...	16	128	390	230	16	636	764
23,408	16,944	41	39,393	8,896	3,944	54	12,894	52,237	22,069	11,049	1,314	34,432	86,789
2,459	1,149	...	3,608	961	556	...	1,517	5,125	2,365	1,265	43	3,673	8,798
36	21	4	61	17	...	...	17	78	178	148	26	353	430
94	...	...	94	119	130	...	249	343	114	29	...	143	466
39,654	29,438	74	66,366	14,681	6,324	123	21,127	77,498	31,536	15,377	1,869	48,783	126,375

STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by 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.	Brought forward	488	243	245	48	60	366	820	CO tons. 13,888,076
	Sonthal, Fargana— Jainty	7	4	3	1	...	...	...	78,547
	Raniganj	6	5	1	...	...	...	...	195,489
	TOTAL	501	252	249	49	60	366	820	14,100,112
Central Provinces.	Betal	7	...	7	3	4	2	2	1,111
	Ohanda, Ballarpur	6	6	...	1	1	5	3	127,545
	Chhindwara, Pench Valley	35	8	27	3	4	29	32	478,696
	Narsinghpur, Mohpand	1	1	...	...	...	...	...	76,526
	Yeotmal	1	1	...	...	...	...	...	...
	Hoshangabad	2	...	2	1	1	...	...	3
TOTAL	52	16	36	8	10	36	42	679,061	
Burma	Mergui	1	...	1	...	1	...	...	255
Panjab	Jhelum	18	...	18	4	6	11	13	52,942
	Mianwall	1	...	1	...	...	2	2	18,787
	Shahpur	2	...	2	1	1	2	2	8,693
	TOTAL	21	...	21	5	7	15	17	80,422
	GRAND TOTAL (COAL) FOR 1924	846	487	359	81	102	652	1,423	20,256,094
	GRAND TOTAL OF PRECEDING YEAR	942	494	448	68	182	724	1,462	18,763,967
	DIFFERENCE	-96	-7	-89	+18	-80	-72	-39	+1,492,067

DIXI—contd.

AND MINERALS—contd.

No. 1—contd.

of workers and output of minerals, during the year 1924—contd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								ABOVE GROUND.				Grand total below and above ground.	
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.		Total above ground.
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
32,854	23,438	74	56,366	14,681	6,324	122	21,127	77,493	31,536	15,977	1,809	48,782	126,275
243	183	...	376	138	66	...	204	380	149	67	...	216	796
383	154	...	537	87	57	...	144	681	320	137	...	458	1,139
83,480	28,725	74	57,279	14,906	6,447	122	21,475	78,754	32,005	15,581	1,870	48,456	128,210
15	18	...	28	23	8	...	31	59	58	60	...	118	177
608	15	7	625	409	42	22	473	1,098	508	106	48	657	1,755
1,369	810	16	1,695	487	733	5	1,225	3,920	972	759	120	1,851	4,771
248	...	...	248	369	251	...	620	868	458	72	...	530	1,398
9	...	...	9	...	...	...	...	9	121	20	9	150	159
4	8	1	13	...	...	...	...	13	4	7	...	11	24
2,248	846	24	2,618	1,288	1,034	27	2,349	4,967	2,121	1,024	172	3,317	8,284
8	...	...	8	...	...	...	...	8	15	...	...	15	23
519	2	...	521	342	...	4	346	867	407	...	2	409	1,276
47	...	...	47	7	...	...	7	54	79	7	10	96	150
50	...	...	50	25	...	...	25	75	74	...	...	74	149
616	2	...	618	374	...	4	378	996	560	7	12	579	1,575
50,994	30,795	117	81,906	22,960	10,831	166	33,957	115,873	46,890	21,994	2,391	71,215	187,088
48,991	30,999	397	80,387	19,182	9,137	288	28,607	108,994	47,167	23,275	3,165	73,607	182,601
+2,003	-204	-280	+1,519	+8,798	+1,694	-122	+5,360	+6,879	-337	-1,281	-774	-2,392	+4,487

STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
Burma	Mandalay	1	...	1	...	...	...	...	IRON Tons. 328
	Northern Shan States.	5	...	5	1	...	...	...	58,666
	TOTAL	6	...	6	1	...	...	...	59,014
Bihar and Orissa	Singhbhum	5	3	3	3	1	3	3	305,238
Central Provinces.	Chanda	1	...	1	...	1	1	1	66,553
	GRAND TOTAL (IRON ORE FOR 1924.)	12	2	10	3	2	4	4	490,805
	GRAND TOTAL OF PRECEDING YEAR	9	...	9	2	...	3	3	292,033
	DIFFERENCE	+3	+2	+1	+1	+2	+1	+1	+198,772

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

of workers and output of minerals, during the year 1924—contd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND								ABOVE GROUND.					Grand total below and above ground.
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
ORE.													
...	...	...	...	...	...	...	...	...	127	...	...	127	127
326	...	...	326	...	...	...	...	326	448	...	...	448	774
326	...	...	326	...	...	...	...	326	575	...	...	575	901
664	497	11	1,372	...	...	...	...	1,372	1,107	610	46	1,763	3,135
174	63	...	237	...	...	...	...	237	361	102	27	460	717
1,364	500	11	1,935	...	...	...	...	1,935	1,948	802	79	2,818	4,753
1,375	301	19	1,695	...	...	...	...	1,695	1,358	756	76	2,185	3,880
-11	+250	-8	+240	...	...	...	...	+210	+590	+46	-3	+633	+873

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the India Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by 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.	Singhbhum . . .	1	...	1	...	...	...	...	MANGA- Tons. 435
Bombay . . .	Panch Mahals . . .	6	...	6	4	...	2	2	46,401
Central Provinces.	Balaghat . . .	93	2	91	62	6	22	23	270,151
	Bhandara . . .	18	...	18	12	1	2	3	74,869
	Chhindwara . . .	10	1	9	6	3	2	3	32,715
	Jabalpore . . .	2	...	2	2	...	...	...	1,850
	Nagpur . . .	47	3	44	23	3	19	20	204,285
	TOTAL	170	6	164	105	13	45	49	533,870
Madras	Bellary . . .	1	...	1	...	...	...	...	5,424
	Kurnool . . .	1	...	1	1	...	...	...	390
	Visagapatam . . .	7	...	7	1	2	5	5	31,811
	TOTAL	9	...	9	2	2	5	5	37,625
	GRAND TOTAL (MANGANESE) FOR 1924.	186	6	180	111	15	52	56	668,331
	GRAND TOTAL OF PRECEDING YEAR.	79	4	75	30	4	27	30	546,378
	DIFFERENCE	+107	+2	+105	+81	+11	+25	+26	+121,953

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*of workers and output of minerals, during the year 1924—*contd.*

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								Total below ground.	ABOVE GROUND.				Gran total below and above ground.
Miners.				Others.					Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
NESE ORE.													
9	15	...	24	...	...	...	...	24	4	13	4	21	45
1,000	741	...	1,741	272	87	...	359	2,100	305	128	146	579	2,679
3,401	3,865	106	7,372	312	154	...	467	7,839	1,050	719	42	1,811	9,650
885	1,461	74	2,420	24	15	...	39	2,459	311	235	5	551	3,010
496	524	5	1,025	7	8	1	16	1,041	193	63	14	270	1,311
74	89	7	170	...	...	...	...	170	18	21	5	44	214
2,411	2,438	3	4,852	122	6	...	128	4,080	858	518	22	1,398	6,378
7,267	8,377	193	15,839	466	183	1	650	16,489	2,430	1,556	68	4,074	20,563
166	133	...	319	7	...	...	7	326	8	...	...	8	334
14	...	...	14	...	...	...	...	14	8	7	...	15	29
715	401	150	1,266	...	...	...	...	1,366	153	19	...	172	1,438
915	534	150	1,599	7	...	...	7	1,606	169	26	...	195	1,801
9,191	9,667	345	19,203	745	270	1	1,016	20,219	2,908	1,723	238	4,869	25,088
5,438	5,723	233	11,439	263	351	...	303	11,742	2,240	1,361	266	3,867	15,629
+3,758	+3,944	+62	+7,764	+477	+235	+1	+713	+8,477	+668	+342	-28	+962	+9,459

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.		Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
				Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
Burma	Northern States.	Shan	1	1	...	...	...	...	...	LEAD
										Tons.
	Southern States.	Shan	2	2	...	...	...	...	...	287,777*
										22,509
	GRAND TOTAL (LEAD ORE) FOR 1924.		3	3	...	...	...	...	...	810,266
	GRAND TOTAL OF PRECEDING YEAR.		3	2	1	2	...	1	4	245,925
	DIFFERENCE		...	-1	+1	-2	...	-1	-4	+64,361
Burma	Northern States.	Shan	...	...	...	...	...	...	...	ANTIMONIAL
										Tons.
										1,200
	TOTAL OF PRECEDING YEAR.		...	...	...	...	...	...	...	...
	DIFFERENCE		...	...	...	...	...	...	...	+1,200

* Amount of refined lead

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

of workers and output of minerals, during the year 1924—contd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								Total below ground.	ABOVE GROUND.				Grand total below and above ground.
Miners.				Others.					Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
ORE.													
2,240	2,240	187	...	...	187	2,377	891	...	...	891	3,268
175	175	...	...	...	...	175	108	11	...	114	289
2,415	2,415	187	...	...	187	2,552	994	11	...	1,005	3,557
1,844	1,844	158	...	...	158	2,002	752	...	...	752	2,754
+571	+571	-21	...	...	-21	+550	+942	+11	...	+953	+806
LEAD.													
Labour figures	included	with	those	for	Lead	Ore	...	...	...	...	...	...	...
...
...

extracted 50,559 tons.

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
SILVER.									
Ozs.									
Burma . . .	Northern Shan States . . .	...	...	...	...	...	...	5,287,711
Madras . . .	Anantapur . . .	...	...	...	...	...	...	249
	GRAND TOTAL (SILVER) FOR 1924 . . .	...	...	...	...	...	...	5,287,960
	GRAND TOTAL OF PRECEDING YEAR . . .	...	...	...	...	...	...	4,844,042
	DIFFERENCE . . .	...	...	...	...	...	...	+443,918
TIN									
Tons.									
Burma . . .	Mergul . . .	17	...	17	3	...	2	2	190
	Tavoy . . .	69	2	67	48	4	7	7	1,433
	Thaton . . .	1	...	1	4
	TOTAL . . .	87	2	85	46	4	9	9	1,627
	TOTAL OF PRECEDING YEAR . . .	41	...	39	18	1,021
	DIFFERENCE . . .	+ 46	...	+46	+33	+4	+9	+9	+ 606

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

of workers and output of minerals, during the year 1924—contd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								ABOVE GROUND.					Grand total below and above ground.
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
Labour figures included with those for Lead Ore.													
Labour figures included with those for Gold.													
...
...
...
ORE.													
385	20	3	408	21	...	...	21	429	82	16	...	98	527
1,757	28	5	1,790	15	...	...	15	1,805	835	38	20	948	2,753
11	8	...	19	...	...	...	...	19	...	...	...	...	19
2,153	58	8	2,217	36	...	...	36	2,253	917	109	20	1,046	3,299
2,247	35	3	2,285	30	2	...	32	2,317	569	45	19	633	2,950
-84	+21	+5	-68	+6	-2	...	+4	-64	+348	+64	+1	+413	+349

APPEN
STATISTICS OF MINES

Table
Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
Burma	Mergui . . . . .	...	...	...	...	...	...	...	WOL Tons. 739
	Tavoy . . . . .	...	...	...	...	4	4	...	
	Thantou . . . . .	...	...	...	...	...	...	...
	TOTAL	...	...	...	...	4	4	739	
	GRAND TOTAL (WOLFRAM) FOR 1924.	...	...	...	...	4	4	739	
	GRAND TOTAL OF PRECEDING YEAR	...	...	...	...	...	...	872	
	DIFFERENCE	...	...	...	...	+4	+4	-133	
Bihar and Orissa.	Singbhum . . . . .	...	...	...	...	...	...	...	GOLD. Ozs. ...
Madras	Anantapur	3	2	1	1	2	1	1	3,646
	GRAND TOTAL (GOLD) FOR 1924.	3	2	1	1	2	1	1	3,646
	GRAND TOTAL OF PRECEDING YEAR.	2	1	1	...	...	...	...	1,519
	DIFFERENCE	+1	+1	...	+1	+2	+1	+1	+2,127

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

of workers and output of minerals, during the year 1924—contd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								ABOVE GROUND.					Grand total below and above ground.
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
FRAM ORE.													
				Labour figures included with those for Tin Ore.									
				Do.	do.		do.	do.					
				Do.	do.		do.	do.					
...
...
...
...
...
7	7	94	...	...	94	101	142	6	4	152	253
7	7	94	...	...	94	101	142	6	4	152	253
6	6	108	...	...	108	109	198	14	14	166	275
+1	+1	-9	...	...	-9	-8	+4	-8	-10	-14	-22

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
CHROMITE									
Tons.									
Baluchistan	Quetta Plain	1	...	1	...	1	...	...	81
	Zhob	33	...	33	...	...	6	6	26,629
	TOTAL	34	...	34	...	1	6	6	26,710
Bihar and Orissa	Singhbhum	5	...	5	3	...	3	3	1,140
	GRAND TOTAL (CHROMITE ORS) FOR 1924	39	...	39	3	1	9	9	27,850
	TOTAL OF PRECEDING YEAR	37	...	37	12	1	...	...	25,233
	DIFFERENCE	+2	.. -	+2	-9	...	+9	+9	+2,617
COPPER									
Tons.									
Burma	Southern Shan States.	1	...	1	1	...	...	...	33
Bihar and Orissa	Singhbhum	2	2	...	...	1	2	3	...
Central Provinces.	Balaghat	1	...	1	...	1	...	...	...
	GRAND TOTAL (COPPER ORS) FOR 1924	4	2	2	1	2	2	3	33
	GRAND TOTAL OF PRECEDING YEAR	5	3	2	...	1	2	3	6,550
	DIFFERENCE	-1	-1	...	+1	+1	...	...	-6,512

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

of workers and output of minerals, during the year 1924—contd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								Total below ground.	ABOVE GROUND.				Grand total below and above ground.
Miners.				Others.					Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
ORE.													
15	...	...	15	...	...	...	...	15	10	...	...	10	25
239	...	...	239	...	...	...	...	239	207	...	...	207	446
254	...	...	254	...	...	...	...	254	217	...	...	217	471
81	69	27	177	...	...	...	...	177	49	19	1	69	246
335	69	27	431	...	...	...	...	431	286	19	1	286	717
316	46	23	385	...	...	...	...	385	301	11	4	316	701
+19	+23	+4	+46	...	...	...	...	+46	-35	+8	-3	-30	+16
ORE.													
26	...	...	26	...	...	...	...	26	5	...	...	5	31
237	8	...	240	...	...	...	...	240	202	151	12	455	695
16	11	...	27	2	...	...	2	29	2	...	...	2	31
279	14	...	298	2	...	...	2	295	299	151	12	462	757
1,261	13	...	1,274	1	...	...	1	1,275	955	437	31	1,423	2,718
-982	+1	...	-981	+1	...	...	+1	-980	-656	-306	-19	-981	-1,961

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
									COPPER
									Tons.
Burma	Northern Shan States.	...	...	...	...	...	...	...	2,935
	TOTAL OF PRECEDING YEAR.	...	...	...	...	...	...	...	...
	DIFFERENCE	...	...	...	...	...	...	...	+2,935
									ZINC CON
									Tons.
Burma	Northern Shan States.	...	...	...	...	...	...	...	18,650
	TOTAL OF PRECEDING YEAR.	...	...	...	...	...	...	...	...
	DIFFERENCE	...	...	...	...	...	...	...	+18,650

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspectors.	
Burma	Katha	3	3	...	1	...	...	...	GEMS. (a) Rubies. Carats. 53,511 (b) Sapphire. 37,942 (c) Spinel. 9,644
	TOTAL	3	3	...	1	
Rajputana	Ajmer-Merwara	...	...	...	...	...	...	...	(d) Beryl.
	GRAND TOTAL (GEMS) FOR 1924	3	3	...	1	...	...	...	101,097
	GRAND TOTAL OF PRECEDING YEAR.	2	2	...	...	...	5	5	167,010
	DIFFERENCE	+1	+1	...	+1	...	-5	-5	-65,913

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*of workers and output of minerals, during the year 1924—*contd.*

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								Total below ground.	ABOVE GROUND.				Grand total below and above ground.
<i>Miners.</i>				<i>Others.</i>					Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
779	779	174	...	...	174	953	464	...	...	464	1,417
779	779	174	...	...	174	953	464	...	...	464	1,417
...
779	779	174	...	...	174	953	464	...	...	464	1,417
638	638	153	...	...	153	791	494	...	...	494	1,285
+141	+141	+21	...	...	+21	+162	-30	...	...	-30	+132

APPENDIX
STATISTICS OF MINES OF MINES

Table

Number of mines regulated by the Indian Mines Act, 1924, and the Indian Mines Act, 1926, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspection.	
Bihar and Orissa.	Bhagalpur . . .	1	...	1	1	1	...	...	MICA. Cwts. 15
	Gya . . .	27	4	28	14	5	...	...	5,274
	Hasaribagh . . .	362	40	322	140	89	1	1	23,205
	Monghyr . . .	11	...	11	6	7	...	...	242
	Sambalpur . . .	3	...	3	2	1	...	...	...
	Manbhum . . .	1	...	1	1	...	...	...	...
	TOTAL	405	44	361	164	108	1	1	28,736
Delhi . . .	Delhi . . .	...	...	...	...	...	...	...	20
Madras . . .	Nellore . . .	81	20	61	38	17	23	23	10,908
	Nilgiris . . .	6	...	6	4	...	...	...	365
	TOTAL	87	20	67	37	17	23	23	11,273
Rajputana . . .	Ajmer-Merwara . . .	21	...	21	7	8	...	...	500
	GRAND TOTAL (MICA) FOR 1924.	513	64	449	208	128	24	24	40,529
	GRAND TOTAL OF PRECEDING YEAR.	355	45	310	108	71	110	140	31,605
	DIFFERENCE	+158	+19	+139	+100	+57	-86	-116	+8,924

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

of workers and output of minerals, during the year 1924—contd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								Total below ground.	ABOVE GROUND.			Total above ground.	Grand total below and above ground.
Miners.				Others.					Adult males.	Adult females.	Children.		
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
27	88	5	65	6	...	...	6	71	15	8	2	20	91
691	338	119	1,148	48	...	...	48	1,191	156	96	70	322	1,513
3,552	1,050	384	4,986	537	451	169	1,157	6,143	1,751	701	679	3,131	9,274
127	66	28	215	66	58	...	119	334	34	23	13	70	404
39	...	...	39	16	82	23	121	160	8	...	...	8	168
4	2	...	6	...	...	...	...	6	...	...	...	...	6
4,440	1,489	530	6,459	668	566	192	1,446	7,905	1,964	823	764	3,551	11,456
			Labour	figures	included	in those	for	Clay.					
948	394	70	1,412	315	377	28	720	2,132	466	534	226	1,226	3,358
97	23	...	120	9	...	...	9	129	53	29	20	102	231
1,045	417	70	1,532	324	377	28	729	2,261	519	563	246	1,328	3,589
185	34	4	178	21	17	...	38	211	46	10	1	57	268
5,620	1,940	604	8,164	1,013	960	220	2,213	10,377	2,329	1,396	1,011	4,736	15,313
3,570	1,074	306	4,950	706	945	542	2,193	7,148	1,612	992	833	3,437	10,579
+2,050	+866	+236	+3,214	+307	+35	-323	+20	+3,234	+917	+404	+179	+1,500	+4,734

APPEN
STATISTICS OF MINES

Table
Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by 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.	Singhbhum Shahabad Hazariabagh	1	...	1	1	LIMESTONE. Tons.	600
		10	...	10	1	3	...		235,027
		4	...	4	2		677
	TOTAL	15	...	15	4	3	...	236,304	
Central Provinces.	Bilaspur Jubbulpore, Katni	1	...	1	...	...	...	5,651
		23	1	23	3	10	...	259,039	
	TOTAL	24	1	23	3	10	...	264,690	
Burma	Northern Shan States.	2	...	2	...	...	...	12,839
	GRAND TOTAL (LIMESTONE) FOR 1924.	41	1	40	7	13	...	613,333	
	GRAND TOTAL OF PRECEDING YEAR.	25	2	23	3	6	23	25	236,161
	DIFFERENCE	+16	-1	+17	+4	+7	-23	-25	+277,172

DIX *—contd.*AND MINERALS—*contd.*No. 1—*contd.*of workers and output of minerals, during the year 1924—*contd.*

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND:								Total below ground.	ABOVE GROUND:				Grand total below and above ground.
Miners.				Others.					Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
40	...	...	40	...	...	...	...	40	22	8	...	30	70
884	478	158	1,510	158	46	18	222	1,732	358	161	96	610	2,342
58	19	17	89	...	...	...	...	89	6	...	...	6	95
977	492	170	1,639	158	46	18	222	1,861	381	169	96	646	2,507
30	...	...	30	4	25	5	34	64	55	45	6	106	170
1,405	1,796	31	3,232	396	961	...	1,359	4,591	292	337	35	664	5,255
1,435	1,796	31	3,262	402	966	5	1,373	4,655	347	362	41	770	5,425
...	...	...	...	296	...	...	296	296	31	...	...	31	329
2,412	2,288	201	4,901	858	1,082	23	1,913	6,814	759	351	137	1,447	8,231
1,780	966	25	2,771	628	2,362	5	2,995	5,716	639	475	78	1,192	6,908
+682	+1,023	+176	+2,180	+230	-1,330	+18	-1,082	+1,006	+120	+76	+59	+255	+1,353

STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by 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.	Sahabad	1	...	1	...	...	...	...	STONE Tons. 21,000 5,587 26,587
	Sonthal Parganas	1	...	1	1	1	...	...
	TOTAL	2	...	2	1	1	...	...
Birma	Thaton	1	...	1	1	...	...	...	834,690
	Bassein	2	...	2	2	...	...	...	5,400
	TOTAL	3	...	3	3	...	...	...	840,090
	GRAND TOTAL (STONE) FOR 1924.	5	...	5	4	1	...	...	866,877
	GRAND TOTAL OF PRECEDING YEAR.	...	...	...	...	...	...	...	...
	DIFFERENCE	+5	...	+5	+4	+1	...	...	+866,877
Punjab.	Jhalum	1	1	...	...	...	1	1	114,898
	Mianwali	1	...	1	...	...	1	1	8,971
	Shahpur	1	...	1	...	...	...	...	86,049
	GRAND TOTAL (SALT) FOR 1924.	3	1	2	...	...	2	2	159,918
	GRAND TOTAL OF PRECEDING YEAR.	3	1	2	...	...	1	1	113,700
	DIFFERENCE . . . . .	...	...	...	...	...	+1	+1	+46,218

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

of workers and output of minerals, during the year 1924—contd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								ABOVE GROUND.				Grand total below and above ground.	
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.		Total above ground.
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
80	...	...	80	...	...	...	...	80	120	...	...	120	200
9	...	...	9	...	...	...	...	9	59	...	...	59	68
89	...	...	89	...	...	...	...	89	179	...	...	179	268
603	12	9	624	...	...	...	...	624	370	10	20	400	1,024
24	...	...	24	...	...	...	...	24	36	...	...	36	60
627	12	9	648	...	...	...	...	648	406	10	20	436	1,084
716	12	9	737	...	...	...	...	737	585	10	20	615	1,352
...
+716	+12	+9	+737	...	...	...	...	+737	+585	+10	+20	+615	+1,352
322	196	49	569	126	...	...	126	695	...	...	...	...	695
85	...	1	86	...	...	...	...	86	...	...	...	...	86
56	44	5	105	...	...	...	...	105	24	...	...	24	129
418	242	55	710	126	...	...	126	836	24	...	...	24	860
265	158	27	445	155	...	...	155	600	...	...	...	...	600
+148	+59	+26	+233	-29	...	...	-29	+236	+24	...	...	+24	+260

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*of workers and output of minerals, during the year 1924—*contd.*

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								Total below ground.	ABOVE GROUND.				Grand total below and above ground.
<i>Miners.</i>				<i>Others.</i>					Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
105	78	50	233	...	...	...	...	233	89	...	...	89	322
...
98	...	31	124	6	...	11	17	141	41	...	28	69	210
358	2	48	408	...	...	...	...	408	40	19	5	64	467
446	2	79	527	6	...	11	17	544	81	19	33	133	577
551	80	129	760	6	...	11	17	777	170	19	33	222	999
401	125	35	611	...	...	16	16	627	196	18	23	232	859
+150	-45	+44	+149	+6	...	-5	+1	+150	-26	+6	+10	-10	+140
NEBITE.													
570	800	885	1,755	...	...	...	...	1,755	156	54	30	240	1,995
415	296	672	1,385	...	...	...	...	1,385	102	15	60	177	1,562
+155	+502	-237	+370	...	...	...	...	+370	+54	+39	-30	+63	+433

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
									BAUXITE.
									Cwts.
Bombay	Kaira	1	...	1	...	...	...	...	394,760
Central Provinces.	Jubbulpore . . .	1	...	1	...	...	...	...	49,000
	GRAND TOTAL (BAUXITE) 1924	2	...	2	...	...	...	...	448,760
	TOTAL OF PRECEDING YEAR . . .	1	...	1	1	...	1	1	115,955
	DIFFERENCE . . .	+1	...	+1	-1	...	-1	-1	+328,405
									CLAY.
									Tons.
Bengal	Burdwan . . . .	...	...	...	...	...	...	...	2,096
Bihar and Orissa.	Bhagalpur	1	...	1	1	...	...	...	1,155
	Manbhum	5	...	5	4	...	...	...	17,724
	Falaman	1	...	1	...	...	...	...	3,810
	Singhbhum	4	...	4	...	2	...	...	1,137
	TOTAL	11	...	11	5	2	...	...	28,826

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*of workers and output of minerals, during the year 1924—*contd.*

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								Total below ground.	ABOVE GROUND.				Grand total below and above ground.
Miners.				Others.					Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
151	119	...	270	15	...	...	15	285	28	9	27	59	344
...	...	...	...	15	30	...	45	45	5	...	...	5	50
151	119	...	270	30	30	...	60	330	28	9	27	64	394
98	68	...	166	3	...	...	3	159	17	...	19	36	195
+58	+58	...	+114	+27	+30	...	+57	+171	+11	+9	+8	+28	+199
Labour figures included with those for Coal.													
11	21	...	32	...	...	...	...	32	21	7	5	33	65
268	4	...	272	12	...	...	12	284	80	3	...	83	367
14	10	2	26	2	...	...	2	28	20	10	8	38	66
66	142	3	211	...	...	...	...	211	4	10	...	14	225
359	177	5	541	14	...	...	14	555	125	30	13	168	723

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
									CLAY Tons.
Central Provinces.	Jubbulpore . . .	4	2	2	...	1	1	1	28,869
	Narsingpur . . .	1	...	1	1	...	...	...	38
	TOTAL	5	2	3	1	1	1	1	28,907
Delhi . . .	Delhi	4	...	4	3	3	...	..	2,578
	GRAND TOTAL (CLAY) FOR 1924.	20	2	18	9	6	1	1	57,402
	TOTAL OF PRECEDING YEAR.	9	2	7	5	4	2	2	40,735
	DIFFERENCE	+11	...	+11	+4	+2	-1	-1	+16,667
									STEAL Cwts.
Central Provinces . . .	Jubbulpore . . .	2	...	2	...	...	...	..	38,495
Madras . . .	Kurnool	1	...	1	...	...	...	...	61
	Nellore	2	...	2	...	...	2	2	2,160
	TOTAL	3	...	3	...	...	2	2	2,241
	GRAND TOTAL (STEAL) FOR 1924	5	...	5	...	...	2	2	35,736
	GRAND TOTAL OF PRECEDING YEAR	5	...	5	...	...	3	3	21,521
	DIFFERENCE	...	...	...	...	...	-1	-1	+14,215

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*of workers and output of minerals, during the year 1924—*contd.*

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								Total below ground.	ABOVE GROUND.				Grand total below and above ground.
Miners.				Others.					Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
<i>—contd.</i>													
106	258	28	392	...	...	...	...	387	31	...	...	31	418
17	15	...	32	...	...	...	...	32	...	...	...	...	32
123	273	23	419	...	...	...	...	419	31	...	...	31	450
24	...	...	24	...	...	...	...	24	21	...	...	21	45
506	450	28	984	14	...	...	14	998	177	30	13	220	1,218
158	280	20	458	2	...	...	2	460	80	19	12	111	541
+348	+200	+8	+556	+12	...	...	+12	+568	+97	+11	+1	+109	+677
TIME.													
64	18	...	82	30	60	...	90	172	26	38	16	80	254
1	2	...	3	...	...	...	...	3	6	1	...	7	10
23	1	...	24	...	...	...	...	24	11	8	1	20	44
24	3	...	27	...	...	...	...	27	17	9	1	27	54
88	21	...	109	30	60	...	90	199	48	47	10	105	308
75	17	...	92	30	60	...	90	182	40	44	18	102	284
+19	+4	...	+17	...	...	...	...	+17	+8	+8	+1	+7	+24

APPEN
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by 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	Singhbhum	1	...	1	...	1	...	...	BARY Cwts. ...
	Kurnool	5	...	5	5	4	...	...	15,660
GRAND TOTAL (BARYTES) 1924.		6	...	6	5	5	...	...	15,660
TOTAL OF PRECEDING YEAR.		2	...	2	2	1	...	...	20,000
DIFFERENCE		+4	...	+4	+3	+4	...	...	-4,340
Bihar and Orissa	Singhbhum	2	...	2	1	...	...	...	APA Tons. 6,426
	TOTAL OF PRECEDING YEAR.		1	...	1	...	...	...	1,082
	DIFFERENCE		+1	...	+1	+1	...	...	+5,344

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*of workers and output of minerals during the year 1924—*contd.*

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								ABOVE GROUND.					Grand total below and above ground.
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
TES.													
41	...	...	41	...	...	...	...	41	6	24	...	30	71
40	...	...	40	...	...	...	...	40	8	16	3	27	67
81	...	...	81	...	...	...	...	81	14	40	3	57	138
78	83	10	121	...	...	...	...	121	18	26	1	45	166
+3	-83	-10	-40	...	...	...	...	-40	-4	+14	+2	+12	-23
TITE.													
63	37	...	100	...	...	...	...	100	122	85	...	207	307
42	...	...	42	3	21	...	24	66	34	9	...	43	109
+21	+37	...	+58	-3	-21	...	-24	+34	+88	+76	...	+164	+193

STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
Central Provinces.	Bhandara . . .	1	..	1	..	1	..	..	ASBESTOS Cwts. 395
Madras . . .	Cuddapah . . .	1	..	1	1	..	..	..	270
	GRAND TOTAL (ASBESTOS) FOR 1924.	2	..	2	1	1	..	..	665
	GRAND TOTAL OF PRECEDING YEAR.	..	..	..	..	..	..	..	..
	DIFFERENCE .	+2	..	+2	+1	+1	..	..	+665
Bihar and Orissa.	Puri . . .	1	1	..	..	..	..	..	OOH Tons. 300
Central Provinces.	Jubbulpore . . .	1	..	1	..	1	..	..	..
	GRAND TOTAL (OOH) FOR 1924	2	1	1	..	1	..	..	300
	GRAND TOTAL OF PRECEDING YEAR.	3	1	2	..	2	..	..	2,378
	DIFFERENCE	-1	..	-1	..	-1	..	..	-2,378

DIX I *contd.*
AND MINERALS *contd.*

Nov 1 *contd.*

of workers and output of minerals, during the year 1924—*contd.*

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								ABOVE GROUND.					Grand total below and above ground.
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.	Total above ground.	
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
TOS.													
4	3	—	11	...	...	...	...	11	1	...	...	1	12
40	25	9	74	...	...	...	...	74	...	...	...	...	74
44	32	9	85	...	...	...	...	85	1	...	...	1	86
...
+44	+32	+9	+85	...	...	...	...	+85	+1	...	...	+1	+86
R.E.													
6	...	...	6	12	...	...	12	16	24	...	...	24	42
...
6	...	...	6	12	...	...	12	18	24	...	...	24	42
52	17	11	80	...	...	...	...	80	119	45	10	174	254
-46	-17	-11	-74	+12	...	...	+12	-62	-95	-45	-10	-150	-212

APPENDIX
STATISTICS OF MINES

Table

Number of mines regulated by the Indian Mines Act, number

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				NUMBER OF MINES INSPECTED DURING THE YEAR.		TOTAL OUTPUT.
			Worked by mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.	
Central Provinces . . .	Jubbulpore . . .	...	...	...	...	...	...	...	FULLER'S Tons. 19
	TOTAL OF PRECEDING YEAR . . .	...	...	...	...	...	...	...	80
	DIFFERENCE . . .	...	...	...	...	...	...	...	-61
Central Provinces.	Bhandara . . .	1	...	1	1	...	...	...	CORUN Tons ...
	TOTAL OF PRECEDING YEAR.	...	...	...	...	...	...	...	...
	DIFFERENCE . . .	+1	...	+1	+1	...	...	...	...
Burma . . .	Tavy . . .	...	...	...	...	...	...	...	BIS- Lbs. 80
	TOTAL OF PRECEDING YEAR.	...	...	...	...	...	...	...	...
	DIFFERENCE . . .	...	...	...	...	...	...	...	+80
	GRAND TOTAL (ALL MINERALS) 1924.	1,804	576	1,228	486	287	768	1,539	...
	GRAND TOTAL OF PRECEDING YEAR.	1,543	559	984	242	276	904	1,680	...
	DIFFERENCE . . .	+261	+17	+244	+244	+11	-141	-141	...

DIXI—contd.

MINERALS—contd.

No. 1—concl'd.

of workers and output of minerals, during the year 1924—concl'd.

AVERAGE NUMBER OF PERSONS EMPLOYED DAILY IN AND ABOUT THE MINES.													
BELOW GROUND.								ABOVE GROUND.				Grand total below and above ground.	
Miners.				Others.				Total below ground.	Adult males.	Adult females.	Children.		Total above ground.
Adult males.	Adult females.	Children.	Total.	Adult males.	Adult females.	Children.	Total.						
EARTH.													
Labour figures included with those for limestone.													
...
...
DUM.													
...	...	...	...	...	...	...	...	...	12	3	...	15	15
...
...	...	...	...	...	...	...	...	...	+12	+3	...	+15	+15
MUTH.													
Labour figures included with those for Tin Ore.													
...
...
78,738	47,182	1,928	127,848	26,267	13,198	421	39,871	167,719	59,407	27,059	4,082	90,408	258,217
69,001	40,114	1,881	110,996	21,422	12,562	851	34,835	145,881	56,827	27,578	4,628	89,033	234,864
+9,737	+7,068	+47	+16,852	+4,835	+631	-430	+5,036	+21,838	+3,580	-519	-596	+1,465	+23,353

Analyses of figures relating to

PROVINCE.	District and mineral field.	COAL					
		Opening stock.	Rasings.	TOTAL.	Despatches.	Colliery output.	Coal delivered to coking.
		Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Assam.	Lakhimpur	555	274,479	275,034	263,452	14,584	2,048
	Naga Hills	193	60,063	60,276	59,818	458	...
	Sibsagar . . . . .	...	...	...	...	...	...
	TOTAL	748	334,562	335,310	313,270	14,992	2,048
Baluchistan	Kalat . . . . .	...	...	...	...	...	...
	Loralai	14	158	172	143	15	...
	Quetta-Pishin	1,603	4,111	5,714	4,467	154	...
	Sibi-Khoet	2,103	25,678	27,781	21,642	5,065	...
	TOTAL	3,720	29,947	33,667	26,273	5,234	...
Bengal	Bankura-Baniganj	837	8,650	9,487	7,314	1,758	...
	Birbhum „	3,414	18,566	21,980	18,581	2,483	...
	Burdwan „	422,818	5,004,439	5,427,257	4,122,327	722,747	13,437
	TOTAL	423,069	5,011,655	5,437,744	4,154,232	730,998	13,437

DIX 1st contd.

Table

output of Coal and Coke.

		COKE.							
Coal despatched to coke factories.	Closing stock.	OPENING STOCK.		COKE MADE.		DESPATCHES.		CLOSING STOCK.	
		Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
...	...	...	...	688	...	688	...	...	...
...
...
...	...	...	...	688	...	688	...	...	...
...
...	14	...	...	...	...	...	...	...	...
...	1,078	...	...	...	...	...	...	...	...
...	1,074	...	...	...	...	...	...	...	...
...	2,161	...	...	...	...	...	...	...	...
...	415	...	...	...	...	...	...	...	...
...	1,016	...	...	...	...	...	...	...	...
...	564,686	844	724	540	7,521	502	6,721	292	1,524
...	566,117	844	724	540	7,521	502	6,721	292	1,524

Analyses of figures relating to

PROVINCE.	District and mineral field.	COAL						
		Opening stock.	Raisings.	TOTAL.	Despatches.	Colliery consumption.	Coal delivered to coking.	
		Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	
Bihar and Orissa.	Hazaribagh	Bokaro	23,657	1,342,500	1,367,367	1,257,361	74,888	7,941
		Giridih	19,164	768,690	787,854	654,637	58,696	48,351
		Jharis	75,305	153,200	228,505	186,271	15,046	1,371
		Rangach	834	5,905	6,739	4,935	1,012	...
	Manbhum	Jharis	2,134,350	10,692,442	12,826,792	9,457,265	1,161,982	307,638
		Baniganj	213,941	868,203	1,082,144	529,344	125,369	178,985
		Palamau-Daltonganj	19,421	4,691	18,112	18,309	3,862	...
		Sambalpur-Hingir Rampur.	457	49,445	49,902	34,957	13,451	...
	Sonthal Parganas.	Jainty.	4,000	78,547	82,547	69,951	10,096	...
		Baniganj.	15,642	135,489	151,131	115,020	18,104	5
		TOTAL	2,501,001	14,100,112	16,601,113	12,273,050	1,462,026	544,891
Burma	Mergui	...	255	255	255	...	...
Central Provinces.	Betul	1,847	1,111	2,958	634	...	...
	Chanda	6,383	127,545	133,928	95,112	26,025	...	
	Chhindwara	30,363	473,896	504,259	439,810	42,338	150	
	Narsinghpur	2,996	76,526	86,522	74,901	8,808	...	
	Yeotmal	136	...	136	...	136	...	
	Hoshangabad	...	3	3	...	...	...
	TOTAL	48,725	679,081	727,806	610,458	77,357	150	
Punjab	Jhelum	2,810	52,942	55,752	49,321	3,617	2	
	Mianwali	1,171	18,787	19,958	18,790	17	...	
	Shahpur	...	3,693	3,693	3,571	122	...	
	TOTAL	3,981	80,422	84,403	76,682	3,056	2	
	GRAND TOTAL 1924.	2,991,244	20,256,084	23,247,278	17,459,219	2,314,503	560,538	

DIX I—contd.

No. 2—contd.

output of Coal and Coke—concl'd.

		COKE.							
Coal despatched to coke factories.	Closing Stock.	OPENING STOCK.		COKE MADE.		DESPATCHES.		CLOSING STOCK.	
		Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
...	27,197	...	271	285	4,853	92	5,043	193	110
...	25,570	119	...	37,123	...	37,243	...	...	...
...	75,817	27	440	124	543	...	225	151	763
...	793	...	...	...	...	...	...	...	...
767,689	1,890,907	10,849	18,159	23,507	176,249	26,087	179,595	7,269	14,813
...	248,426	15	7,668	63	115,443	14	112,750	63	10,560
...	1,441	...	...	...	...	...	...	...	...
...	1,494	...	...	...	...	...	...	...	...
...	2,500	...	...	...	...	...	...	...	...
...	18,003	...	33	...	3	...	36	...	...
767,689	2,301,143	11,010	26,771	60,101	297,124	63,435	297,649	7,676	26,246
...
...	2,324	...	...	...	...	...	...	...	...
...	12,790	...	...	...	...	...	...	...	...
...	21,906	...	...	...	100	...	41	...	59
...	2,618	...	...	...	...	...	...	...	...
...
...	3	...	...	...	...	...	...	...	...
...	39,841	...	...	...	100	...	41	...	59
...	2,612	...	...	...	...	...	...	...	...
...	1,151	...	...	...	...	...	...	...	...
...
...	3,763	...	...	...	...	...	...	...	...
767,689	2,913,025	11,354	27,495	61,324	304,745	64,710	304,411	7,968	27,539

APPENDIX I—contd.

Table No. 3.

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

YEAR.	Coal.	Iron ore.	Manganese ore.	Lead ore.	Silver.	Tin ore.	Wolfram ore.	Gold.	Chromite ore.	Copper ore.	Mica.	Limestone.	Salt.
	Tons.	Tons.	Tons.	Tons.	Troy ozs.	Tons.	Tons.	Troy ozs.	Tons.	Tons.	Cwts.	Tons.	Tons.
1915	16,352,480	128,017	378,173	7	613	14	1,972	24,320	1,465	2,010	24,063	64,179	144,770
1916	16,419,083	143,006	568,032	7	1,362	88	2,955	23,235	5,004	2,071	35,978	45,290	160,357
1917	17,326,384	178,303	497,053	...	1,281	182	3,066	22,991	17,260	20,108	34,896	82,340	152,542
1918	19,847,039	115,600	415,367	3	1,169	692	3,669	19,916	24,030	3,619	51,572	131,451	156,513
1919	21,759,727	101,322	439,184	2½	783	761	2,905	11,191	14,067	32,758	41,983	146,810	174,974
1920	17,082,711	146,472	622,636	122,008	2,670,896	1,026	1,733½	12,645	23,123	26,167	44,000½	161,340	181,022
1921	18,358,934	286,100	284,264	144,089½	3,555,640	1,032	864½	10,108	27,727	32,580	29,470	284,253	123,084
1922	18,168,988	240,283	392,322	172,018	4,206,138	1,080	942	8,388	10,695	30,764	30,069	140,507	187,157
1923	18,763,967	292,033	546,278	245,925½	4,844,042	1,081	872	1,519	25,233	6,550	31,803	236,161	113,700
1924	20,256,034	430,806	698,231	319,288	5,287,960	1,627	739	3,626	27,850	39	40,539	513,233	156,918

Table No. 4.

The following table shows the amount of coal raised, the average number of persons working daily and the death-rates during the years 1915 to 1924 in respect of coal mines under the Indian Mines Act. :—

YEAR.	Amount of coal raised.	Average number of persons working daily below and above ground.	Number of deaths below and above ground.	DEATH-RATES.	
				Per 1,000,000 tons raised.	Per 1,000 persons working daily below and above ground.
1915	Tons. 16,352,480	145,537	166	10.15	1.14
1916	16,419,082	143,450	169	12.29	1.18
1917	17,326,384	153,683	163	9.41	1.06
1918	19,847,039	176,269	197	9.93	1.12
1919	21,759,727	190,052	260	11.95	1.37
1920	17,082,711	175,943	172	10.07	0.98
1921	18,358,934	190,847	257	13.99	1.35
1922	18,168,988	184,355	209	11.50	1.13
1923	18,763,967	182,801	332	17.69	1.82
1924	20,256,034	187,088	230	11.35	1.23

APPENDIX I—contd.

Table No. 5.

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

Coal-field.	HORSE POWER ON SURFACE.						HORSE POWER BELOW GROUND.					Total horse power of motors installed.
	Winding.	Ventilation.	Haillage.	Coal washing or screening.	Miscellaneous.	TOTAL.	Haillage.	Pumping.	Portable machinery.	Miscellaneous.	TOTAL.	
Assam . . . . .	...	...	...	...	98	98	...	...	...	...	...	98
Bokaro . . . . .	...	...	...	...	10	10	...	...	...	...	...	10
Burma . . . . .	...	...	...	...	—	...	...	...	...	...	...	...
Central Provinces . . . . .	...	135	10	50	165	360	107	628	30	...	765	1,125
Giridih . . . . .	...	...	...	110	58	168	105	1,232	...	...	1,337	1,505
Jharia	2,345	452	2,147	247	3,286	8,477	3,632	12,918	2,003	114	16,717	27,194
Raniganj	2,462	980	695	140	174	4,451	2,435	5,148	1,476	60	9,119	13,570
TOTAL	4,807	1,587	2,852	547	3,791	13,564	6,829	19,026	3,509	174	29,938	43,502

Table No. 6.

Number of mines under the Indian Mines Act, where electrical 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	1	98	...	...	...	...	98
Bengal	39	10,655	...	...	...	...	10,655
Bihar and Orissa	56	31,624	...	...	...	...	31,624
Burmah . . . . .	...	...	1	1,850	5	503	2,353
Central Provinces	3	1,125	...	...	3	240	1,365
TOTAL	99	43,502	1	1,850	8	743	46,095	

APPENDIX I—*concl'd.*

Table No. 7.

Number and type of coal cutting machines at work in coal mines under the Indian Mines Act:—

Maker.	British.	American.	Chain.	Bar.	Perons- sive.	Power.			Total number of machines.
						Electricity		Com- pressed air.	
						A. C.	D. C.		
Anderson Boyes	1	...	1	...	...	1	...	...	1
Goodman . . . . .	...	36	36	...	...	8	28	...	36
Hardiux	10	...	...	...	10	...	...	10	10
Ingersoll Rand . . . . .	...	1	...	1	...	...	...	1	1
Mavor and Coulson	41	...	...	41	...	35	...	6	41
Siskol	8	...	...	...	8	...	...	8	8
Sullivan . . . . .	...	17	17	...	...	17	...	...	17
TOTAL	60	54	54	42	18	61	28	25	114

Assam coal-field	3 machines.	} Total number of square feet undercut 5,631,267.
Jharia coal-field	55 "	
Raniganj "	48 "	
Bokaro "	1 machine.	
Central Provinces	4 machines.	
Punjab	3 "	

Table No. 8.

Number of mechanical ventilators in use at coal mines under the Indian Mines Act:—

Assam.	Bengal.	Bihar and Orissa.	Central Provinces.	Punjab.	TOTAL.
11	11	24	9	1	56

Table No. 9.

Number of safety lamps in use at coal mines under the Indian Mines Act:—

Assam.	Baluchistan.	Bengal.	Bihar and Orissa.	Central Provinces.	Punjab.	TOTAL.
1,868	1,186	6,283	4,296	1,096	4	14,733

1,146 were locked by screws, 8,581 by lead rivets and 5,007 by magnetic means.

APPENDIX II.
ACCIDENTS IN MINES.

Table No. 1.

List of Fatal Accidents in mines regulated by the Indian Mines Act, 1901, during the year 1924.

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 wrought.	Cause of accident and remarks.
EXPLOSIONS AND IGNITIONS OF FIRE-DAMP <i>—(8 deaths.)</i>						
1	1st October, 12 A.M.	Bhatdee mine, Mohuda P. O., Bihar and Orissa.	Bengal Bhatdee Coal Co., Ltd.	Achambet Rajwar, (m.), 33, Karam Gope, (m.), 30, Coal-cutters.	Coal	The two deceased entered a fenced gallery and were fatally burnt by an ignition of fire-damp caused by a defective safety lamp. Inspection and inquiry made.
FALLS OF ROOF AND SIDES. <i>(a) Falls of roof—(37 deaths.)</i>						
2	1st January, 1-30 P.M.	Nodiha mine, Disergarh P. O., Bihar and Orissa.	Nodiha Coal Co., Ltd.	Gupi Mallik, (m.), 45, Timber Sirdar.	Coal	Whilst deceased was withdrawing props in a goafed area, a mass of roof stone, 11' x 15' x 1', fell from a height of 7 feet and killed him. Had he used the safety appliances provided this accident would not have occurred. Inspection and inquiry made.
3	6th January, 6 A.M.	Kajora mine, Ondal P. O., Bengal.	Gundar Kajora Coal Co.	Munahi Bhuiya, (m.), 23, Labourer.	Coal	Whilst a number of persons were loading coal which had been blown down by explosives six hours previously a mass of roof coal, 5' x 4' x 3'-6", fell from a height of 13 feet; One person was killed and another received severe injuries. Inspection and inquiry made.
4	8th January, 4 P.M.	Ekra Khas mine, Bangjora P. O., Bihar and Orissa.	Maharajah of Cossimbazar.	Bhikoo Chamar, (m.), 35, Coal-cutter.	Coal	Deceased passed through a fence and was cutting coal from a pillar when a piece of coal, weighing about 7 cwt., fell on him from a height of 7 feet, killing him instantly. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(a) Falls of roofs—(87 deaths)—contd.						
5	18th January, 1 P.M.	Pandaveswar mine, Pandaveswar P. O., Bengal.	Highfield Colliery, Ld.	Mukhia Kayat, (m.), 40, Coal-cutter.	Coal	Deceased was cutting floor coal when a mass of coal, weighing about 1 cwt., fell upon him from between two converging 'slips' at a height of 18 feet. He sustained serious injuries and died an hour later. Inspection and inquiry made.
6	19th January, 5-30 A.M.	Joba mine, Joba P. O., Bengal.	Burrakar Coal Co., Ld.	Chaitoo Mohora, (m.), 25, Labourer.	Coal	Whilst deceased was loading coal he was injured by a mass of roof stone which fell from a height of 12 feet. He died three hours later. Inspection and inquiry made.
7	26th January, 4 P.M.	Central Dharmaband mine, Katrasgarh P. O., Bihar and Orissa.	Central Dharmaband Coal Co., Ld.	Rajan Soni, (m.), 44, Sirdar.	Coal	Deceased, whilst drawing props in a roofed area, was killed by a fall of stone weighing about 5 cwt. Inspection and inquiry made.
8	2nd February, 10-15 A.M.	Lodna mine, Jharra P. O., Bihar and Orissa.	Lodna Colliery Co., (1920) Ld.	Janki Mahato, (m.), 25, Labourer.	Coal	Deceased, while assisting to set a prop, was struck on the head by a piece of stone, 14" x 14" x 4", which fell from the roof—a height of 22 feet. He sustained injuries from which he died eighteen hours later. Inspection and inquiry made.
9	2nd February, 11-30 A.M.	Luchipur mine, Sitarampur P. O., Bengal.	Burrakar Coal Co., Ltd.	Moral Manjhi, (m.), 25, Coal-cutter.	Coal	Deceased passed through a fence and was cutting roof coal at the edge of a goaf when a piece of coal, 2' x 1'-6" x 1'-6", fell on him. He sustained injuries to which he succumbed ten days later. Inspection and inquiry made.
10	2nd February, 2 P.M.	Murnuldih mine, Mohuda P. O., Bihar and Orissa.	Bengal Coal Co., Ld.	Basu Manjhi, (m.), 26, Coal-cutter.	Coal	Deceased passed through a fence and was cutting coal from the corner of a pillar when a piece of coal, weighing about 4 tons, fell from the roof, killing him instantly. Inspection and inquiry made.
11	3rd February, 2 A.M.	Ramjibanpur mine, Sitarampur P. O., Bengal.	Ramjibanpur Coal Co.	Dukhu Manjhi, (m.), 28, Coal-cutter.	Coal	Whilst dressing a pillar, deceased was killed by a mass of coal, 6½' x 8' x 40' which fell from an exposed 'slip.' Inspection and inquiry made.

12	8th February, 2-30 A.M.	Sadowa mine, Ganwan P. O. Bihar and Orissa.	F. F. Chrestien and Co., Ld.	Budhan Manjhi, (m.), 30, Driller.	Misc	Deceased was working at the face of an adit when he was struck by a rock, weighing about 5 cwt., which fell from the roof—a height of 8 feet. He was killed instantly. Inspection and inquiry made.
13	8th February, 8-30 A.M.	Chatabar mine, Mugma P. O. Bihar and Orissa.	Chatabar Colliery, Ld.	Nakul Mallik, (m.), 22, Coal-cutter.	Coal	Whilst deceased was in his working place in a gallery he was killed by a mass of stone, weighing about 30 cwt., which fell from the roof at a fault. Inspection and inquiry made.
14	12th February, 1-45 P.M.	Ashakuty mine, Katraagarh P. O. Bihar and Orissa.	Royal Coal Co., Ld.	Bodhi Teli, (m.), 22 ; Sudaram Teli, (m.), 35, Coal-cutters.	Coal	After a shot had been fired the deceased returned to their working place before it had been examined by a competent person. A piece of stone, 6' x 4' x 4", fell from the roof—a height of 14 feet. One of the deceased was killed instantly and the other sustained injuries from which he died three days later. Inspection and inquiry made.
15	13th February, 1 A.M.	Dandot mine, Dandot P. O. Punjab.	Bai Sahib Thakurdass Ramjiddass.	Mohita, (m.), 65, Coal-cutter.	Coal	A miner working in a coal seam, 2'-9" thick, was slightly injured by a piece of stone which fell from slips in the roof. Whilst he was being extricated a second fall occurred and deceased was struck and fatally injured by a piece of stone, 3' x 1' x 1'-6". Inspection and inquiry made.
16	15th February, 1 P.M.	Kurhurbaree mine, Giridih P. O., Bihar and Orissa.	East Indian Railway.	Mohan Roy, (m.), 35, Coal-cutter.	Coal	The roof of a goaf suddenly came "on weight", and a thin slab of stone, 9 to 15 inches thick and some 800 square yards in area, fell. Deceased, who was cutting coal near the edge of the goaf, was struck by part of the falling stone, and died the following morning from concussion of the brain. Inspection and inquiry made.
17	16th February, 1 A.M.	Khas Jherria mine, Jharria P. O., Bihar and Orissa.	Khas Jherria Col- liery Co., Ld.	Amrit Kumar, (m.), 26, Coal-cutter.	Coal	Deceased was struck by a piece of stone, weighing 2½ tons, which fell from a height of 7 feet. He died in hospital three months later. Inspection and inquiry made.
18	27th February, 3-30 A.M.	Borjan mine, Kongon P. O., Assam.	Nazira Coal Co., Ld.	Amir Khan, (m.), 25, Coal-cutter ; Lalbahir Gond, (m.), 30, Coal-puller.	Coal	Whilst a gang of miners was engaged in extracting a pillar of coal a fall of roof took place, and the two deceased were killed. Inspection and inquiry made.
19	1st March, 8 A.M.	Borrea mine, Sitarampur P. O., Bengal.	New Beerbhoom Coal Co., Ld.	Nepa Manjhi, (m.), 35, Coal-cutter.	Coal	Whilst deceased was robbing coal from the corner of a pillar he was killed by a mass of roof coal, 4' x 4' x 15", which fell from a height of 17 feet. Inspection and inquiry made.
20	15th March, 1 P.M.	Bhulanbararee mine, Pathardihi P. O., Bihar and Orissa.	Bhulanbararee Coal Co., Ld.	Etwari Meah, (m.) 34, Lukhan Barhi, (m.), 30, Labourers.	Coal	While assisting to erect a prop, the deceased were struck by a piece of coal, 3' x 2' x 18", which fell from the roof—a height of 18 feet. One of the deceased was killed instantly and the other died within half an hour. Another person sustained injuries to the head. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(a) Falls of roof—(87 deaths)—contd.						
21	19th March, 11 A.M.	Pandobera mine, Jharia P. O., Bihar and Orissa.	Pandobera Colliery Co.	Dhiru Kor, (m.), 25, Coal-cutter.	Coal	Deceased was cutting roof coal in a gallery, 10 feet high, when a mass of coal, weighing about 1½ tons, fell unexpectedly and killed him instantly. Inspection and inquiry made.
22	23rd March, 8-30 P.M.	Baidyanathpur mine, Pandaveswar P. O., Bengal.	Samlā Govindpur Collieries, Ld.	Jamuna Domin, (f.), 36, Coal-carrier.	Coal	Deceased walked under some roof coal which was being dressed, when a mass, 3' x 2' x 1', fell upon her from a height of 12 feet. She was killed instantly. Inspection and inquiry made.
23	23th March, 6 P.M.	Khost mine, Khost P. O., Baluchistan.	North Western Railway.	Kartar Singh, (m.), 28, Mine mate; Sultan, (m.), 22, Carpenter; Sanno, (m.), 30, Gul Husan, (m.), 20, Labourers.	Coal	The deceased were engaged in removing the timber supports of an abandoned main road, and were using a Sylvester machine for the purpose. Whilst a prop was being withdrawn the anchor prop gave way. A fall of roof occurred and five sets of timber were knocked out. Deceased were struck down and killed.
24	29th March, 4-30 A.M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Panchon Mahato, (m.), 28, Labourer.	Coal	Deceased was killed by a piece of roof stone, weighing about 1 cwt., which fell from a height of about 25 feet. Inspection and inquiry made.
25	29th March, 8-30 P.M.	Aurrung mine, Charanpur P. O., Bengal.	Aurrung Coal Co., Ld.	Santal Manjhi, (m.), 16, Coal carrier.	Coal	Deceased went into a fenced gallery, when a mass of stone, 10' x 5' x 2', fell upon him from a height of 9 feet. He sustained serious injuries and died shortly afterwards. Inspection and inquiry made.

26	1st April, 1-30 P. M.	Kurhbarree mine, Girdih P. O., Bihar and Orissa.	East Indian Railway	Nem Meah, (m.), 30, Coal-cutter.	Coal	Deceased broke down two fences and went into a disused gallery. He was struck by a mass of stone, 12' x 4' x 8', which fell from the roof—a height of 10 feet. He was killed instantly. Inspection and inquiry made.
27	19th April, 3 P. M.	Sinidih mine, Katrasgarh P. O., Bihar and Orissa.	Sinidih Coal Con- cern, Ltd.	Thakur Manjhi, (m.), 30, Labourer.	Coal	Deceased was walking along a gallery, 11' feet high, and carrying a basket of coal to the loading siding when a piece of stone, 18' x 4' x 15', weighing about 4 tons, fell from between two 'slips' in the roof running parallel with the road. He was killed instantly. Inspection and inquiry made.
28	21st April, 3-25 P. M.	Jamai mine, Parasia P. O., Central Provinces.	Raj Sahib Mathura Prosad Motilal & Co.	Anandi, (f.), 14, Coal-carrier.	Coal	Deceased was carrying coal along an underground road on which travelling was prohibited. A piece of roof stone, 4' x 34' x 3', fell on her from a height of 10 feet. She was killed instantly. Inspection and inquiry made.
29	23rd April, 1-15 P. M.	Sutikdih mine, Pathardihi P. O., Bihar and Orissa,	Sutikdih Coal Co., Ltd.	Megal Ray, (m.), 23, Coal-cutter.	Coal	Whilst cutting coal in a gallery which had been stopped, deceased was killed by a piece of coal weighing about 10 cwt., which fell from a height of about 8 feet. Inspection and inquiry made.
30	9th May, 4 P. M.	Ramnagar mine, Kulti P. O., Bengal.	Bengal Iron Co., Ltd.	Uday Bauri, (m.), 25, Coal-cutter.	Coal	Whilst deceased was cutting roof coal in a gallery, a mass of roof coal, weighing about 2 tons, fell upon him from between two 'slips' at a height of 12 feet. He succumbed to his injuries an hour later. Inspection and inquiry made.
31	9th May, 6-30 P. M.	Bhulanbarree mine, Pathardihi P. O., Bihar and Orissa.	Bhulanbarree Coal Co., Ltd.	Premdas Bilaspuri, (m.), 40, Coal-cutter.	Coal	Deceased broke down a fence and was loading coal in a place which had been stopped when about 5 tons of roof stone fell from a height of 20 feet and killed him instantly. Inspection and inquiry made.
32	25th May, = 2-30 A. M.	Sitalpur/mine, Disergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Karoo Meah, (m.), 27; Dhanoo Ghatwal, (m.), 35, Coal-cutters.	Coal	The deceased left their appointed working place, broke down a fence and entered a disused gallery with the object of extracting fallen coal near a goaf. Some stone fell on them from the roof at a height of 18 feet. Karoo Meah was killed instantly and the other man succumbed to his injuries sixteen hours later. Inspection and inquiry made.
33	10th June, 6-30 P. M.	West Kumardih mine, Ukhra P. O., Bengal.	C. Deddes & Co., Ltd.	Dandu Manjhi, (m.), 30, Coal-cutter.	Coal	Deceased left his working place and went through a fence to load fallen roof coal on the edge of a goaf. Whilst doing so, he was killed instantly by a mass of roof stone, 6' x 3' x 6', which fell from a height of 10 feet. Inspection and inquiry made.
34	11th June, 2-30 A. M.	Bankola mine, Ukhra P. O., Bengal.	Burrakur Coal Co., Ltd.	Sampat Pashi, (m.), 42, Coal-cutter.	Coal	Deceased was dressing down roof coal in a gallery, when a mass of coal, weighing about ½ cwt., fell on him from a height of 7 feet. He sustained injuries to which he succumbed shortly afterwards. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(a) Falls of roof (87 deaths)—contd.						
35	15th June, 4 A.M.	Bhowra mine, Jumadoba P. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Chullan Bhuiya, (m.), 38, Labourer.	Coal	Deceased, whilst loading coal in a gallery, was struck by some coal, weighing about 1 cwt., which fell from a height of 7 feet. He sustained injuries which caused death five weeks later. Inspection and inquiry made.
36	19th June, 5 A.M.	Chora mine, Chora P. O., Bengal.	Chora Collieries, Ld.	Gorabi Majhian, (f.), 22, Coal-carrier.	Coal	Deceased and another woman were loading coal in a gallery after blasting, when a mass of coal, 3' x 2' x 2', fell upon them from a height of 20 feet. Deceased encumbered to her injuries shortly afterwards and the other woman sustained serious injuries. Inspection and inquiry made.
37	22nd July, 1 P.M.	Chota Dhemu mine, Sitarampore P. O., Bengal.	Bengal Coal Co., Ld.	Mahadev Paudey, (m.), 38, Pardib Maharaj, (m.), 30, Sirdars. Ramajagir Singh, (m.), 42, Coal-cutter.	Coal	The deceased, contrary to orders, were working on a small coal 'stock' in a goaf, when a mass of roof stones, 30' x 20' x 6', fell upon them from a height of 16 feet. They were killed instantly. Inspection and inquiry made.
38	12th August, 1 P.M.	Khost mine, Khost P. O., Baluchistan.	North Western Railway.	Shankai, (m.), 22, Coal-cutter.	Coal	Whilst deceased was at work on a longwall face in a highly inclined seam a mass of coal fell away from the face. He was buried by the coal and suffocated.
39	16th August, 6-30 P.M.	Lodna mine, Jharis P. O., Bihar and Orissa.	Lodna Colliery Co., (1920) Ld.	Haleem Khan, (m.), 45, Sirdar.	Coal	Deceased was examining a working place after shots had been fired when a piece of roof coal, weighing 1½ tons, fell on him from a height of 14 feet. He was killed instantly. Inspection and inquiry made.
40	20th August, 4 A.M.	South Alkusa mine, Kusunda P. O., Bihar and Orissa.	Raneegunge Coal Association, Ld.	Sahas Kumari, (f.), 50, Coal-carrier.	Coal	Deceased, whilst loading coal, was struck by a piece of stone, 8' x 5' x 6" which fell from the roof—a height of 17 feet. She was fatally injured. Inspection and inquiry made.

41	4th September, 1-30 P.M.	Ekra Khas mine, Bansjora P. O., Bihar and Orissa.	Maharaja of Coosim- basar.	Haril Meah, (m.), 35, Kison Teli, (m.), 35, Labourers.	Coal	While assisting to set up props in a gallery the two deceased were struck by a piece of stone, 3'x2'x1', which fell from the roof—a height of 15 feet. They were fatally injured. Inspection and inquiry made.
42	6th September, 4-30 P.M.	Bejdih mine, Sunderohak P. O., Bengal.	Equitable Coal Co., Ltd.	Chandan Gareri, (m.), 38, Coal-cutter.	Coal	Deceased was testing the roof in a gallery, when a mass of coal, 3'x2'x1', fell upon him from a height of 12 feet. He sustained injuries to which he succumbed four hours later. Inspection and inquiry made.
43	9th September, 5-30 P.M.	Rampur mine, Rampur Colliery, P. O. Bihar and Orissa.	Hingir-Rampur Coal Co., Ltd.	Lachhman Kurmi, (m.), 35, Sirdar.	Coal	Deceased, for a necessary purpose, went into a fenced area, and a piece of coal, 3'x8'x6", fell from a height of 10 feet, killing him instantly. Inspection and inquiry made.
44	17th September, 10 A.M.	Tirap mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Ali Muhammad Mekrani, (m.), 25, Sha Murad Makrani, (m.), 25, Opening men.	Coal	Whilst a number of persons were at work in an 'opening' or chamber, a fall of roof occurred and buried the two deceased, one of whom was killed immediately and the other died three hours later. Inspection and inquiry made.
45	19th September, 8-30 P.M.	Jharis Khas mine, Jharis P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Ramdew Kahar, (m.), 25, Coal-cutter. Rikhal Ahir, (m.), 18 ; Munoeswar Kahar, (m.), 30, Labourers.	Coal	The three deceased, whilst loading coal near a pillar under extraction, were struck by a mass of coal, 20'x6'x18", which fell from the roof—a height of 24 feet. They were killed instantly. Inspection and inquiry made.
46	23rd September, 9-30 P.M.	Bagdigi mine, Jharis P. O., Bihar and Orissa.	Villiers, Ld.	Tehara Bilaspuri, (m.), 28, Coal-cutter.	Coal	Whilst deceased was standing on a ladder in a gallery lowering down some roof coal his crowbar slipped causing him to overbalance. He fell to the floor, a distance of 21 feet, where he was struck by some pieces of falling coal and killed instantly. Inspection and inquiry made.
47	24th September, 12-30 A.M.	Neonodih mine, Jamadoba P. O., Bihar and Orissa.	Bengal Iron Co., Ld.	Motiram Gowala, (m.), 30, Coal-cutter.	Coal	Deceased, whilst sitting in a gallery, was struck by a piece of stone, 2½'x2'x3", which fell from the roof—a height of 12 feet. He sustained a fractured leg and subsequently died. Inspection and inquiry made.
48	30th September, 10-15 A.M.	Kendwadih mine, Kusunda P. O., Bihar and Orissa.	East Indian Coal Co., Ld.	Bodi Rajwar, (m.), 50, Stone-cutter.	Coal	Whilst engaged in re-timbering the roof in the main road near the bottom of a shaft deceased was struck by a mass of stone, 6'x18"x12", which fell from a cavity 12 feet above him. He was killed instantly. Inspection and inquiry made.

APPENDIX II—*contd.*

List of Fatal Accidents, 1924—*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 wrought.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—<i>contd.</i>						
(a) Falls of roof (87 deaths)—<i>contd.</i>						
49	30th September, 8 P.M.	Burra Dhemu mine, Sitarampur P. O., Bihar and Orissa.	Burra Dhemu Coal Co., Ltd.	Bara Manjhi, (m.), 40, Coal-cutter; Malati, (f.), 35, Coal-carrier.	Coal	The deceased were instantly killed by a mass of roof coal, 30' x 18' x 2', weighing about 40 tons, which fell from a height of 9 feet. Inspection and inquiry made.
50	4th October, 2-45 P.M.	Bagdigi mine, Jharia P. O., Bihar and Orissa.	Villiers, Ltd.	Bikum Bilaspuri, (m.), 36, Coal-cutter.	Coal	Deceased was standing on a ladder cutting a bench of roof coal 5 feet thick in a gallery 23 feet high. A piece of the coal struck the foot of the ladder and tilted it. Deceased lost his balance and, falling to the floor, received fatal injuries. Inspection and inquiry made.
51	9th October, 10-30 P.M.	Khoet mine, Khoet P. O., Baluchistan.	North Western Railway.	Bahadur Shah, (m.), 35, Coal-cutter.	Coal	Deceased was killed by a fall of roof in a longwall working face.
52	10th October, 12 P.M.	Ekra Khas mine, Bansjora P. O., Bihar and Orissa.	Maharajah of Cosimbazar.	Budhan Singh, (m.), 25, Coal-cutter.	Coal	Deceased was sleeping in the mine when a piece of coal, weighing about 4 lb., fell from a height of 16 feet and fractured his skull. Inspection and inquiry made.
53	17th October, 8-30 A.M.	Dhobidih mine, Giridih P. O., Bihar and Orissa.	Bengal Giridih Coal Co., Ltd.	Mejhni Ghatwarin, (f.), 27, Coal-carrier; Dagon Ghatwar, (m.), 40, Coal-cutter.	Coal	The deceased went inside a fenced goaf to rob coal. They were killed by a mass of stone, 18' x 16' x 2½', which fell from the roof—a height of 11 feet. Inspection and inquiry made.
54	17th October, 12-30 P.M.	Sitalpur mine, Disergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Pokhan Barhi, (m.), 38, Timberman.	Coal	Deceased was engaged in clearing a fall of roof when a second fall took place. Whilst running away to safety he fell and sustained simple fractures of the arm and leg. He died a month later from the effects of gangrene. Inspection and inquiry made.

55	20th October, 1-45 P.M.	Sripur mine, Kalipari P. O., Bengal.	Lodna Colliery Co., (1920) Ld.	Panchi Korani, (c.), 25, Coal-carrier.	Coal	Whilst deceased and others were loading coal in an underground gallery, a mass of roof coal and stone, 10' x 6' x 1', fell from a height of 9 feet. Deceased sustained injuries to which she succumbed three hours later, and two other persons were injured. Inspection and inquiry made.
56	22nd October, 5-30 A.M.	South Kujama mine, Jharia P. O., Bihar and Orissa.	Bigdigi-Kujama Collieries, Ld.	Turabali Meah, (m.), 48, Sirdar; Choto Akloo Meah, (m.), 30, Mohammad Pathan, (m.), 30, Coal-cutters.	Coal	Whilst the deceased were engaged in extracting a pillar of coal, the roof over an area of 60' x 30' collapsed. They were killed instantly. Inspection and inquiry made.
57	26th October, 11-30 A.M.	Sonardih mine, Katragarh P. O., Bihar and Orissa.	P. Dassl.	Dahu Bhuiya, (m.), 39, Coal-cutter.	Coal	With the object of robbing coal from a pillar, deceased went into a gallery which was fenced because of bad roof. He was struck by a piece of stone, 5' x 4' x 18", which fell from a height of 6 feet. He was killed instantly. Inspection and inquiry made.
58	1st November, 11-30 A.M.	Sripur mine, Kalipahari P. O., Bengal.	Lodna Colliery Co., (1920) Ld.	Baghuuath Kniri, (m.), 30, Coal-cutter.	Coal	Deceased, after blasting, was holding a light whilst the sirdar tested the roof, when a piece of stone, 6' x 4' x 1', fell on his head from a height of 15 feet and killed him instantly. Inspection and inquiry made.
59	14th November, 3-30 P.M.	Bou Jumerri mine, Salanpur P. O., Bengal.	Shapurjee Sorabjee	Kulada Ghatwalin, (f.), 35; Loobi Ghatwalin, (f.), 28, Coal-carriers.	Coal	The deceased were sitting together near the face of a gallery which was being driven by a miner and were waiting to load slack coal. A mass of roof coal, 8' x 6' x 8' to 2 feet thick, fell from a 'slip' at a height of 10 feet, killing them instantly. Inspection and inquiry made.
60	26th November, 10 P.M.	Jitpur mine, Jamadoba P. O., Bihar and Orissa.	Bengal Iron Co., Ld.	Souichar Teli, (m.), 25, Stone-cutter.	Coal	Deceased was in the act of levering down a slab of roof stone, weighing about 3 owt., when it fell on him causing injuries from which he afterwards died. Inspection and inquiry made.
61	6th December, 7 P.M.	Ballihari mine, Kusunda P. O., Bihar and Orissa.	Ballihari Coal Co.	Lachman Ahir, (m.), 40, Overman; Chaman Ahir, (m.), 35, Trolleyman; Joynandan Lal, (m.), 30, Munshi.	Coal	The deceased, whilst testing the roof in a main level, were killed by a block of coal, weighing about 3 tons, falling from a height of about 12 feet. Inspection and inquiry made.
62	20th December, 12-30 P.M.	New Kessurgurah mine, Nawagarh P. O., Bihar and Orissa.	New Kessurgurah Coal Co., Ld.	Bandhi Bhuiyan, (f.), 35, Coal-carrier.	Coal	Deceased passed through a fence and was killed by a fall of about 8 owt. of stone from a height of about 8 feet. Inspection and inquiry made.

APPENDEX II—*contd.*

List of Fatal Accidents, 1924—*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 wrought.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—<i>contd.</i>						
(a) Falls of roof (37 deaths)—<i>contd.</i>						
63	23rd December, 3 P.M.	Joba mine, Kalipahari P. O., Bengal.	Burrakur Coal Co., Ld.	Makhan Korah, (m.), 17, Labourer.	Coal	Whilst deceased was loading coal he was killed by a mass of roof stone, 7' x 2' x 1', which fell from a height of 12 feet. Inspection and inquiry made.
64	23rd December, 12 A.M.	Tejwala mine, Dhak P. O., Punjab.	Northern India Coal Co.	Dewana, (m.), 27, Coal-cutter.	Coal	Deceased was undercutting in a seam of coal, 5 feet thick, when a piece of coal and stone, 2' x 3' x 1' = 6", weighing about 10 cwt., fell on him. His spine was fractured and he died four hours later. Inspection and inquiry made.
65	24th December, 1 A.M.	South East Baraboni mine, Charanpur P. O., Bengal.	Maharaja of Cosimbazar.	Sarada Baurin, (f.), 50, Labourer.	Coal	Whilst a miner was taking down roof coal in a gallery, 8 feet in height, deceased unknown to him and against orders, entered the place with the object of loading coal. A mass of roof coal fell upon her causing injuries which proved fatal. Inspection and inquiry made.
66	27th December, 3-15 P.M.	New Tetturya mine, Katragarh P. O., Bihar and Orissa.	New Tetturya Coal Co., Ld.	Juman Bhuiya, (m.), 28, Coal-cutter.	Coal	Deceased passed through a fence and was cutting coal from the side of a pillar when a mass of stone, weighing about 9 tons, fell on him from a height of 10 feet. Inspection and inquiry made.
67	28th December, 2-30 A.M.	Albion mine, Nudkharhi P. O., Bihar and Orissa.	Albion Coal Co., Ld.	Jeta Bilaspuri, (m.), 17, Aghori Bilaspuri, (m), 42, Coal-cutters.	Coal	The deceased were killed by a fall of coal weighing about 8 tons. Inspection and inquiry made.
(b) Falls of side (64 deaths).						
68	4th January, 7 A.M.	Gandhala mine, Dandot P. O., Punjab.	Pandit Gian Chand	Karim Dad, (m.), 29, Coal-cutter.	Coal	Deceased, whilst working in a gallery, was struck by a piece of shale, 5' x 4' x 18", which fell from the side, at a height of 2 feet. He received injuries from which he died half an hour afterwards. Inspection and inquiry made.

69	4th Janua y, 5.30 P.M. r	Drobidih mine, Giridih P. O., Bihar and Orissa.	Bengal Giridih Coal Co., Ld.	Lekhia Turin, (f.), 25, Coal-carrier.	Coal	Whilst deceased was loading coal in a place where pillars of coal were being extracted a piece of coal, 3' x 2' x 9", weighing about 3 cwt., fell on her from the side at a height of 11 feet. She died shortly afterwards from the injuries received. Inspection and inquiry made.
70	17th January, 10 A.M.	Gopalohuck West mine, Kusunda P. O., Bihar and Orissa.	Gopalohuck Coal Co., Ld.	Mankia Kaharin, (f.), 14, Labourer.	Coal	Deceased went into a fenced gallery for a natural purpose and was killed by a fall of coal weighing 3 tons. Inspection and inquiry made.
71	18th January, 4 P.M.	Panderwani mine, Paraswaraghat P. O., Central Provinces.	B. P. Byramji & Co.	Gaggi Dalpat, (f.), 50, Labourer.	Manganese Ore.	Deceased was killed by a fall of 1½ tons of overburden in an open excavation 8 feet deep. Inspection and inquiry made.
72	4th February, 11-30 A.M.	Aulajheri mine, Bharweli P. O., Central Provinces.	Ditto.	Dhondal, (m.), 18, Ghasuni, (m.), 12, Labourers.	Manganese Ore.	The deceased were killed by a mass of overburden, 10' x 2½' x 3', weighing about 2 tons, which fell from a height of 12 feet from the side of an open excavation. Inspection and inquiry made.
73	12th February, 5 P.M.	Ukwa mine, Ukwa P. O., Central Provinces.	Carnegie Steel Co.	Gagas Gond, (m.), 28, Labourer.	Manga- nese Ore	Deceased was standing on a ledge about 1 foot wide, barring down a piece of manganese. The bar slipped and he fell 6 feet to the floor of the quarry. The piece of ore weighing 8 cwt., which he had been levering off, fell from a height of 6 feet and crushed him. Death was instantaneous. Inspection and inquiry made.
74	22nd February, 5 P.M.	Jhonka mine, Tisri P. O., Bihar and Orissa.	Ram Rich Pal.	Manhush Meah, (m.), 35, Nuzali Kalal, (m.), 40, Miners.	Mica	The hanging wall of soft pegmatite rock in a short gallery off the side of a shaft gave way, and about 2 tons of the rock fell on the deceased who were working in the bottom of the shaft. Inspection and inquiry made.
75	24th February, 12 A.M.	Tandaiya mine, Domchanch P. O., Bihar and Orissa.	Johur and Sundar Mull & Co.	Sohan Roy, (m.), 30, Driller.	Mica	Whilst deceased was dressing the side of an underground road preparatory to timbering it, he was struck by a mass of pegmatite, weighing about 3 cwt., which fell from the side. He was killed instantly. Inspection and inquiry made.
76	9th March, 9 A.M.	Central Kurkend mine, Kusunda P. O., Bihar and Orissa.	Central Kurkend Coal Co., Ld.	Budhia, (f.), 25, Coal-carrier.	Coal	Deceased entered a fenced gallery with her husband and was killed by a fall of stone weighing 3 cwt., from a height of 6 feet. Inspection and inquiry made.
77	9th March, 5 A.M.	Teetalmuri mine, Sijua P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Dalu Meah, (m.), 45, Coal-cutter.	Coal	Deceased went into a gallery which was fenced because it was unsafe. A mass of coal, 15' x 11' x 4', weighing about 22 tons, fell from a 'slip' in the side and buried him. He was killed instantly. Inspection and inquiry made.
78	1th March, 4 P.M.	Kankanee mine, Bansjora P. O., Bihar and Orissa.	Eastern Coal Co. Ld.	Lakhi Ram Manjhi (m.), 28 Coal-cutter.	Coal	Deceased, whilst loading a basket with coal, was struck by a piece of coal, 8' x 3' x 17', which fell from between two 'slips' in the side. He was seriously injured and died two days later. Inspection and inquiry made.

APPENDIX I:1—contd.

List of Fatal Accidents, 1924—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 wrought	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(i) Falls of side (64 deaths) — contd.						
79	22nd March 5-30 P.M.	Randougri mine, Ramakona P. O., Central Provinces.	Indian Manganese Co., Ltd.	Jai, (f.), 30, Labourer.	Manga- nese Ore	At a time when the mine was closed for a festival, deceased with four other coolies went there to work and was killed by a fall of loose earth in an old dump working 6' deep. Inspection and inquiry made.
80	27th March 10 A.M.	Bansjora mine, Bansjora P. O., Bihar and Orissa.	Bansjorah Coal Co., Ltd.	Somar Rajwar, (m.), 25, Labourer.	Coal	Whilst deceased was filling a basket of coal in a quarry he was struck by a mass of stone and earth, 10' x 7' x 2½', which fell from the side at a height of 11 feet. He was killed instantly. Inspection and inquiry made.
81	1st April, 5 A.M.	Hurriladh mine, Jharia P. O., Bihar and Orissa.	Equitable Coal Co., Ltd.	Benis Bilaspuri, (m.), 22, Coal-cutter.	Coal	Deceased, whilst robbing a pillar in a fenced place, was struck by a mass of coal, 8' x 3' x 1', which fell from the side. He sustained injuries from which he died two days later. Inspection and inquiry made.
82	15th April, 2-30 A.M.	Khost mine, Khost P. O., Baluchistan.	North Western Railway.	Fazal Illahi, (m.), 21, Labourer.	Coal	Deceased and a carpenter were engaged in clearing an old road dipping at 48° when a slide of loose stone lying on the floor took place. The carpenter obtained refuge in a manhole, but deceased was carried down for 25 feet and buried in the loose stone. When extricated he was found to have been suffocated.
83	17th April, 7-30 P.M.	Bagdigi mine, Jharia P. O., Bihar and Orissa.	Villiers, Ltd.	Nuckoher Bilaspuri, (m.), 32, Coal-cutter.	Coal	Deceased was killed by a piece of coal weighing about 15 cwt., which fell from a height of about 20 feet. Inspection and inquiry made.
84	23rd April, 10 A.M.	Bhalgora mine, Jharia P. O., Bihar and Orissa.	Bhalgora Coal Co., Ltd.	Firingi Kahar, (m.), 24, Coal-cutter.	Coal	Deceased was struck on the foot by a piece of coal weighing 4 cwt., which fell from a height of 12 feet. He died from loss of blood. Inspection and inquiry made.
85	3rd May, 11-30 A.M.	Khas Jherria mine, Jharia P. O., Bihar and Orissa.	Khas Jherria Colli- ery Co., Ltd.	Sanu Dasadh, (m.), 30, Stone-cutter.	Coal	Deceased was employed in cutting floor stone in a gallery 14 feet wide and 11 feet high. Two rounds of shots were fired, and some little time after a wedge-shaped mass of coal, 10' x 18' x 15', presumably affected by the blasting, fell from the side at the roof. This coal, weighing some 10 cwt., struck deceased and killed him instantly. Inspection and inquiry made.

86	16th May, 2 P.M.	Lodna mine, Jharia P. O., Bihar and Orissa.	Lodna Colliery Co., (1920) Ld.	Puttee Deswalin, (f.), 51, Labourer.	Coal	Deceased with two other women went into a fenced area to load slack coal. A piece of coal weighing 1 cwt. fell upon her from a height of 19 feet. She was killed instantly. Inspection and inquiry made.
87	23rd May, 10-20 P.M.	Sirka mine, Bamgarh P. O., Bihar and Orissa.	South Karanpura Coal Co., Ld.	Rajabaria, (f.), 36, Labourer.	Coal	Deceased was killed by a fall of overburden in a quarry.
88	24th May, 4 A.M.	Huntodih mine, Mohuda P. O., Bihar and Orissa.	Huntodih Coal Co., Ld.	Hari Kurmi, (m.), 47, Coal-cutter.	Coal	Deceased, whilst robbing coal in a fenced gallery, was struck by a mass of coal, 6' x 3' x 1', which fell from the side at a height of 7 feet. He was fatally injured. Inspection and inquiry made.
89	26th May, 3-30 P.M.	Khost mine, Khost P. O., Baluchistan.	North-Western Railway.	Muhammad Ali, (m.), 40, Coal-cutter.	Coal	Deceased was in a longwall working in a highly inclined seam when the coal face and the floor of the working slipped down on the plane of the seam. He was buried and suffocated.
90	28th May, 6 P.M.	Borra mine, Sikarampur P. O., Bengal.	New Bearbhoom Coal Co., Ld.	Sami Majhian, (f.), 13, Coal-carrier.	Coal	Deceased was employed near the face of a pillar under extraction, when a mass of coal, 4' x 3' x 2', fell from the face from between two 'slips' at a height of 10 feet. She was killed instantly. Inspection and inquiry made.
91	29th May, 3 P.M.	New Kessurgurah mine, Nawagarh P. O., Bihar and Orissa.	New Kessurgurah Coal Co., Ld.	Khara Manjhi, (m.), 27, Coal-cutter.	Coal	Deceased was one of a gang of miners engaged in the extraction of a pillar of coal in a seam 20 feet thick with a 12 inch band of stone 6 feet from the floor. They had undermined the band to a distance of 5 feet when a portion of it fell upon deceased, who was loading coal into a basket at the time. He was seriously injured and died three months later. Inspection and inquiry made.
92	4th June, 6-30 A.M.	Narsamuda mine, Asansol P. O., Bengal.	Seeterampore Coal Co., Ld.	Madhu Manjhi, (m.), 52, Onecutter.	Coal	Deceased and another man were standing on a main road near the bottom of a shaft when they were struck by a mass of stone, 3' x 2' x 6', which fell from the side at a height of 10 feet. Deceased succumbed to his injuries two hours later and the other man sustained serious injuries. Inspection and inquiry made.
93	4th June, 11 P.M.	Damagurra mine, Kulti P. O., Bengal.	Damagurra Coal Co., Ld.	Chandrai Manjhi, (m.), 30, Coal-cutter.	Coal	Deceased left his appointed working place and was cutting coal on the side of a quarry when a mass of coal, 3'-6" x 3'-9" x 2', fell upon him from a 'slip' at a height of 10 feet. He was killed instantly. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(b) Falls of side (64 deaths)—contd.						
94	7th July, 12 A.M.	New Pipratand mine, Mohuda P. O., Bihar and Orissa.	P. Mukherjee & Co.	Dokta Beldar, (m.), 14, Labourer. Biju Bauri, (m.), 33, Coal-cutter. Loop Lal Kamar, (m.), 50, Fitter.	Coal	The deceased, whilst engaged in fitting a pump in an in-line cutting, were buried by a mass of earth and decomposed shale, 50' x 5' x 7½', which fell from the side. They were fatally injured. Inspection and inquiry made.
95	9th July, 9-40 A. M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Dullap, (m.), 33, Labourer.	Lead-silver.	During heavy rain deceased was carrying timber into a tunnel, when some boulders, weighing about 1½ tons were washed down the side of the hill. He was struck by the boulders and sustained injuries to which he succumbed shortly afterwards. Inspection and inquiry made.
96	12th July, 11-45 A. M.	Titap mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Mongroo Munda, (m.), 30, Coal-cutter.	Coal	Deceased was at work in a roadway, 8' wide by 6' high, in a highly inclined seam. A mass of coal, 9' x 4' x 2', fell from the side of the roadway and killed him. Inspection and inquiry made.
97	19th July, 11-30 A. M.	Jharis Khas mine, Jharis P. O., Bihar and Orissa.	Jagannath Ramjash Agarwalla.	Sonar Panka, (m.), 35, Coal-cutter.	Coal	Deceased, whilst robbing coal in a gallery, was struck by a mass of coal, 30' x 7' x 2', which fell from a 'slip' in the corner of a pillar. He was fatally injured. Inspection and inquiry made.
98	16th August, 12-30 P. M.	Kirkend mine, Kusunda P. O., Bihar and Orissa.	Sudamdih Coal Co., Ld.	Botto Kanta, (m.), 20, Coal-cutter.	Coal	Deceased, on returning to his working place after a shot had been fired, was struck by a piece of coal, 8' x 2' x 8", which fell from the side at a height of 12 feet. He was killed instantly. Inspection and inquiry made.
99	19th August, 2 P. M.	Hermyingyi mine, Hermyingyi P. O., Burma.	Burma Finance and Mining Co., Ld.	Akhok, (f.), 34, Labourer.	Tin and Wolfram.	Deceased was undermining a boulder, weighing about 2 cwt., in a surface trench, when the boulder fell and killed her instantly. Inspection and inquiry made.

100	21st August, 8-45 A. M.	Sudamdih mine, Pathardihi P. O., Bihar and Orissa.	Sudamdih Coal Co., Ld.	Ramchand Rohidas, (m.), 45, Bhyaram Rohidas, (m.), 20, Coal-cutters.	Coal	Percolating water caused a mass of overburden in a quarry to slide down the top of a highly inclined seam of coal. The deceased were covered by the debris and were suffocated. Inspection and inquiry made.
101	21st August, 9-30 A. M.	Taungzun mine, Taungzun P. O., Burma.	Oosman Masi Khan & Co.	Sabbia Madrassi, (m.), 30, Loader. Nataiya Uria. (m.), 25, Miner.	Stone	The deceased were at work in a quarry, 300' x 40' x 90' deep, when a mass of side, weighing about 40 tons, fell without warning. Nataiya who was drilling on the opposite side of the quarry was killed on the spot, and Sabbia who was loading succumbed to his injuries a few hours later. Three other persons were injured. Inspection and inquiry made.
102	24th August, 1 P. M.	Prospecting Pit (Sq. 38) mine, Kodarma P. O., Bihar and Orissa.	Nund and Samont Co., Ld.	Gulu Gope, (m.), 18, Miner.	Mica	Whilst deceased was working in prospecting pit 8 feet deep, he was fatally injured by a mass of earth, 3' x 2' x 1', which fell from the side. Inspection and inquiry made.
103	27th August, 10 A. M.	Saltore mine, Disorgarh P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Luke Majkian, (f.), 14, Coal-carrier.	Coal	It is presumed that deceased was lying down in a gallery when a mass of coal, 1' x 1' x 1', fell upon her from a 'slip' at a height of 12 feet. She sustained fatal injuries and died two hours later. Inspection and inquiry made.
104	29th August, 10 A. M.	Hermyingyi mine, Hermyingyi P. O., Burma.	Burma Finance and Mining Co., Ld.	Wah Yee San, (m.), 41, Tribute worker.	Tin and wol- fram.	Deceased, who was employed in 'ground-slucing' on the side of a hill, had cut into a quartz vein to a depth of 3 feet, when a portion of the 'hanging wall' weighing 1 cwt., was washed down on to him. He sustained injuries which caused death three days later. Inspection and inquiry made.
105	30th August, 9 A. M.	Bansdeopur mine, Kusunda P. O., Bihar and Orissa.	Bansdeopur Coal Co., Ld.	Kashi Ram Ghara, (m.), 30, Coal-cutter.	Coal	Deceased left his allotted working place in a quarry and was cutting coal in another part of the quarry which was not a working place when a pease of coal, 5' x 3' x 1', fell upon him from a height of 15 feet, causing fatal injuries. Inspection and inquiry made.
106	30th August, 3-30 P. M.	Bansjorah mine, Bansjorah P. O., Bihar and Orissa.	Bansjorah Coal Co., Ld.	Pamia Bhuiyan, (f.), 26, Coal-carrier.	Coal	Whilst deceased and her husband were robbing coal in a disused and fenced quarry, the former was killed by a mass of coal and stone, weighing some 8 tons, which fell from the side. Inspection and inquiry made.
107	2nd September, 12 A. M.	Kalonta mine, Tavoy P. O., Burma.	Burma Finance and Mining Co., Ld	Ah Aim, (m.), 35, Tribute worker.	Tin and wol- fram.	Deceased was under cutting the side of a ground sluicing channel when a mass of side, weighing about 10 cwt. fell on him from a height of 10 feet, killing him instantly. Inspection and inquiry made.
108	6th September, 11 A. M.	New Keesurgurah mine, Nawagarh P. O., Bihar and Orissa.	New Keesurgurah Coal Co., Ld.	Beechram Gope, (m.), 35, Coal-cutter.	Coal	Deceased, whilst robbing coal in a fenced gallery, was injured by a mass of coal, weighing about one ton, which fell from the side of a pillar. He sustained injuries which subsequently caused death. Inspection and inquiry made.

- APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
<i>(b) Falls of side (84 deaths)—contd.</i>						
109	13th September, 7 A.M.	Bararee mine, Jamadoba P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Mangtee, (f.), 26, Coal-carrier.	Coal	The husband of deceased was robbing a pillar, when the latter was injured by a piece of coal, weighing ½ cwt., which fell from the side. She died from septic poisoning 14 days later. Inspection and inquiry made.
110	15th September, 12 A.M.	Awadann mine, Mergui P. O., Burma.	J. F. Leslie and Burma Malaya Mines, Ltd.	Lam Foke, (m.), 47, Tribute worker.	Tin	Deceased with several other persons was engaged in clearing some trees from a water channel, one side of which was 14 feet deep and sloped at about 1 in 10, when a mass of side, weighing about 10 cwt., fell on him from a height of 8 feet. He appeared to have sustained slight injuries only, but he succumbed five hours later. Inspection and inquiry made.
111	27th September, 5-30 P.M.	Jharia Khas mine, Jharia P. O., Bihar and Orissa.	Jaganuath Ramjash Agarawalla.	Ful Kumari, (f.), 40, Panch Kari, (m.), 22, Coal-carriers.	Coal	The deceased, whilst loading small coal in a disused gallery, were killed by a mass of coal, weighing about 2 tons, which fell from the side of a pillar. Inspection and inquiry made.
112	4th October, 10-30 A.M.	Damagurria mine, Kulti P. O., Bengal.	Damagurria Coal, Co., Ltd.	Garbha Roy, (m.), 28, Labourer.	Coal	Whilst overburden was being cut in a quarry, a mass of ground, weighing about 15 cwt., fell on to the level on which deceased was working. He attempted to jump clear but fell upon his pick sustaining injuries, to which he succumbed nine days later. Inspection and inquiry made.
118	16th October 4-30 P.M.	Bokaro mine, Bokaro P. O., Bihar and Orissa.	East Indian Railway and Bengal Nagpur Railway.	Hursi Poinkin, (f.), 20, Labourer.	Coal	Deceased was killed by a fall of side in an open excavation.
114	29th October, 1 A.M.	Tauagpila mine, Tavoy, P. O., Burma.	Quah Cheng Guan	Ng. Hay, (m.), 32, Tribute worker.	Tin and Wolfram	Deceased was engaged in 'ground sluicing' when he was crushed by a boulder washed down from the side of an adjoining hill. He sustained injuries which caused death nine hours later. Inspection and inquiry made.

115	15th November, 4 P.M.	Gna mine, Dongooposi P. O., Bihar and Orissa.	Indian Iron & Steel Co., Ld.	Rup Singh, (m.), 35, Quarryman.	Iron ore	Deceased was crushed by a boulder of ore, weighing about 10 cwt., which rolled down the sloping face of a quarry. He was killed instantly. Inspection and inquiry made.
116	23rd November, 0-10 A.M.	Madidih mine, Sijua, P. O., Bihar and Orissa.	Barrakur Coal Co., Ld.	Kochin Bilaspuri, (m.), 35, Coal-cutter.	Coal	Deceased was preparing to take down loose coal from the side of a pillar after blasting when a block of coal weighing about 2 tons fell on him from a height of about 18 feet, killing him instantly. Inspection and inquiry made.
117	26th November, 12 P.M.	Bhuggatdih (south section) mine, Jharis P. O., Bihar and Orissa.	Bengal Nagpur Coal Co., Ld.	Ghogru Chamar, (m.), 30, Coal-cutter.	Coal	Deceased, whilst boring a shot-hole in a pillar, was struck by a piece of coal, 4' x 3' x 1', which fell from the side at a height of 8 feet. He was fatally injured. Inspection and inquiry made.
118	28th November, 4 P.M.	Sripur mine, Kalipahari P. O., Bengal	Lodna Colliery Co., (1920) Ld.	Alladhi Korani, (f.), 27, Coal-carrier.	Coal	Deceased was engaged in loading coal which her husband was robbing from the side of a gallery. In under cutting the side a mass of coal, weighing about a ton, fell from a height of 6 feet, striking deceased on the back. She sustained injuries to which she succumbed two hours later. Inspection and inquiry made.
119	29th November, 10-30 P. M.	Joyramdauga mine, Asansol P. O., Bengal.	New Beerbhoom Coal Co., Ld.	Mungal Manjhi, (m.), 22, Coal-cutter.	Coal	Deceased was employed in cutting floor coal. He entered a fenced area and was robbing coal from the corner of a pillar when a mass of coal, 1'-3" x 1'-6" x 1'-6", was dislodged from the overhang at a height of 8 feet and pinned him down. He was killed instantly. Inspection and inquiry made.
120	1st December, 3-30 P. M.	Khost mine, Khost P. O., Baluchistan.	North Western Railway.	Kassim, (m.), 23, Labourer.	Coal	Whilst deceased was at work in a longwall working in a highly inclined seam a mass of coal fell away from the face. He was struck by the coal and sustained injuries which subsequently proved fatal.
121	2nd December, 9-30 A. M.	Tikak mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Ong Fa, (m.), 32, Labourer.	Coal	Deceased was robbing coal from the side of a gallery when a large mass of coal fell on him. He died from his injuries shortly after. Inspection and inquiry made.
122	23rd December, 8-30 P.M.	Naungthakhaw mine, Namtu P. O., Burma.	Burma Corporation Ld.	Hyoung Chaul Tsine, (m.), 27 ; Leh Zin Yon, (m.), 25, Miners.	Iron ore	The deceased, contrary to orders, were undercutting the side of a quarry which was known to be dangerous, when they were buried by a fall of several tons of overburden. They were suffocated before they could be extricated. Inspection and inquiry made.
123	26th December, 1 A.M.	Budroochuck mine, Sijua P. O., Bihar and Orissa.	Budroochuck Coal Mining Co., Ld.	Churka Manjhi, (m.), 20, Coal-carrier.	Coal	An overhanging piece of coal, 6' x 3'-6" x 1'-6", fell from a height of 6 feet from the side of a gallery, on to deceased who was stooping down to fill a basket with coal. He was killed instantly. Inspection and inquiry made.

- APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
IN SHAFTS (ROPES AND CHAINS BREAKING.) (5 deaths.)						
124	10th March, 8 A.M.	Pandaveswar mine, Pandaveswar P. O., Bengal.	Highfield Colliery, Ld.	Tara Singh, (m.), 25, Foreman Labourer.	Coal	Whilst deceased and another man were being raised in a shaft, 147 feet deep, the winding rope broke at the capping. Deceased fell to the bottom of the shaft and was killed. The other man escaped by clinging to the rail carrying the landing trolley. It was presumed that the rope had been overstrained by using it to lift a range of pipes fixed in the shaft. Inspection and inquiry made.
125	1st November, 10 A.M.	Bagdigi mine, Jharla P. O., Bihar and Orissa.	Villiers, Ld.	Bangiall Turi, (m.), 22; Bhola Bay, (m.), 23; Usir Hasam, (m.), 21; Lakna Turi, (m.), 22; Sinkers.	Coal	Whilst a bucket was being raised in a sinking pit the winding rope broke. The bucket fell a distance of 430 feet to the bottom, where thirteen persons were at work and caused in the death of four persons. Inspection and inquiry made.
IN SHAFTS (WHILEST ACCENDING AND DESCENDING BY MACHINERY)(10 deaths.)						
126	5th February, 12-30 P.M.	Narasamuda mine, Asansol P. O., Bengal,	Sesterampore Coal Co., Ld.	Baghu Kora, (m.), 30, Coal-cutter.	Coal	Whilst being lowered in a cage in a winding shaft, 310 feet deep, deceased, thinking the cage had reached the bottom, stepped out. He fell to the bottom 6 feet below and sustained injuries to which he succumbed two hours later. Inspection and inquiry made.
127	20th February, 4-30 P.M.	Bararee mine, Jamadoba P. O., Bihar and Orissa.	East Indian Coal Co., Ld.	Tikra Chamar, (m.), 14, Coal-cutter; Burga Chamar, (m.), 13, Pilla Chamar, (m.), 12, Labourers.	Coal	Whilst the three deceased were being raised in a shaft, 360 feet deep, they fell from the cage to the shaft bottom—a distance of approximately 120 feet. They were fatally injured. Inspection and inquiry made.

128	8th March, 10-30 A.M.	Borrae mine, Sitarampur P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Thaki Baurin, (f.), 19, Coal-carrier.	Coal	Deceased and four other persons were being lowered in a shaft 284 feet deep. The cages collided, and she was thrown out and fell a distance of 117 feet to the bottom of the shaft. She was killed instantly. Inspection and inquiry made.
129	19th June, 4 P.M.	Malkera mine, Katrasgarh P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Karim, (m.), 40, Fitter.	Coal	Whilst deceased was descending a shaft in a cage, the latter struck a girder fixed in the shaft. Deceased was thrown off and fell to the shaft bottom, a distance of 160 feet. He was killed instantly. Inspection and inquiry made.
130	8th July, 5-45 A.M.	Ena mine, Jharis P. O., Bihar and Orissa.	North West Coal Co., Ltd.	Lal Mahomed Meah, (m.), 35, Munshi.	Coal	Whilst ascending a shaft deceased fell from the cage to the bottom of the shaft. He was killed instantly. Inspection and inquiry made.
131	30th July, 7 A.M.	Bararee mine, Jamadoba P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Isauk Meah, (m.), 40, Labourer.	Coal	Deceased, while descending a shaft in a cage, removed the safety bars and stepped off the cage while it was still in motion. He fell to the shaft bottom, and was fatally injured. Inspection and inquiry made.
132	21st August, 5 A.M.	Pretoria mine, Charanpur P. O., Bengal.	Seebpore Coal Co., Ltd.	Jana Bibi, (f.), 25, Coal-carrier.	Coal	Deceased, with four other persons, was being raised in a cage in a shaft, 340 feet deep, when she fell from the cage to the bottom of the shaft—a distance of 170 feet—and was killed instantly. Inspection and inquiry made.
133	25th December, 2-30 A.M.	Malkera mine, Katrasgarh P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Khedoo Rajwar, (m.), 26, Coal-cutter.	Coal	Deceased and a companion were being hoisted in a shaft 440 feet deep. At the same time an empty tub was being lowered in the descending cage. Owing to one of the tub-catches having been put out of action, the empty tub fell off the descending cage, struck the ascending cage and caused deceased to be thrown out of the latter, and to fall about 60 feet to the shaft bottom. Inspection and inquiry made.
IN SHAFTS (FALLING INTO THE SHAFT FROM THE SURFACE) (3 deaths.)						
134	2nd January, 8-30 P.M.	Industry mine, Jharis P. O., Bihar and Orissa.	Industry Coal Co., Ltd.	Matuki Dhanuk, (m.), 35, Surface Trolleyman.	Coal	Deceased was assisting in re-railing a derailed tub when he slipped and fell over the fence into the shaft. He fell a distance of 110 feet, and was killed instantly. Inspection and inquiry made.
135	26th April, 7-30 P.M.	Central Kajora mine, Andal P. O., Bengal.	Central Kajora Coal Co., Ltd.	Ali Ahmed, (m.), 25, Boiler fireman.	Coal	A crane with boiler attached was being used for raising debris out of a sinking shaft, 31 feet deep. Deceased was in charge of the boiler. During a storm he fell into the shaft through a small opening left in the fencing to permit free movement of the crane. He struck his head against a bucket lying at the bottom of the shaft and was killed instantly. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
IN SHAFTS (FALLING INTO THE SHAFT FROM THE SURFACE.) (8 deaths)—contd.						
136	8rd August, 11 P.M.	Central Kujama mine, Jharis P. O., Bihar and Orissa.	Central Kujama Coal Concern.	Chhaku Mahato, (m.), 35, Bankman.	Coal	Deceased, while stepping off the landing trolley at the top of a sinking shaft, 181 feet deep, slipped and fell between the trolley and the edge of the shaft. He fell into water at the bottom of the shaft and was drowned. Inspection and inquiry made.
IN SHAFTS (FALLING FROM PART OF THE WAY DOWN) (5 deaths.)						
137	25th January, 1 P.M.	Borra mine, Sitarampur P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Surendra Rajwar, (m.), 22, Pumpman.	Coal	Whilst a pump was being raised in a shaft the bearings of the supporting pulley broke and the pump dropped several feet. Deceased, who was standing on the pump and guiding it, was jerked off and fell a distance of 180 feet into the water at the bottom of the shaft. Inspection and inquiry made.
138	29th March, 8 P.M.	Bawdwin mine, Nanta P. O., Burma.	Burma Corporation, Ltd.	Sam Chow, (m.), 30, Fa Qui, (m.), 32, Leo Sho Qui, (m.), 31, Miners.	Silver-lead.	A gang of men was engaged in removing temporary lining timber from a shaft 14 feet in diameter when a portion of the staging on which the men were working collapsed, due to a nut of one of the hanging bolts having been lost. Three men fell a distance of 100 feet and were killed instantly. Inspection and inquiry made.
139	27th April, 12-40 P.M.	Damagurria mine, Kulti P. O., Bengal.	Damagurria Coal Co., Ltd.	Kaloo Kole, (m.), 23, Coal-cutter.	Coal	Three men entered a disused mine with the intention of stealing timber. Deceased and one of the men fell down a shallow shaft and sustained injuries to which deceased succumbed seven months later.
140	8rd July, 10 A.M.	Central Kurkend mine, Kusunda P. O., Bihar and Orissa.	Central Kurkend Coal Co., Ltd.	Lala Panjabi, (m.), 35, Foreman labourer.	Coal	Deceased was standing at a mid-inset in a shaft and superintending the lowering of an electric cable by hand. The weight of the cable became too great for the persons who were lowering it and they let it go. Deceased was struck by the end of the cable and fell to the bottom of the shaft. He was killed instantly. Inspection and inquiry made.

141	27th November, 12 P.M.	Jarangdih mine, Bokaro P. O., Bihar and Orissa.	Bombay, Baroda and Central India and Madras and Southern Mahratta Railways.	Mysore Antony, (m.), 42, Sinkers.	Coal	Whilst at work on a scaffold in a sinking shaft, deceased fell from the scaffold to the bottom of the shaft, and was killed instantly.
42	25th December, 7-50 A.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Chudamony, (m.), 28, Fitter.	Lead-silver.	Whilst climbing a ladder in winze, deceased missed his footing and fell to the bottom. He was instantly killed.

IN SHAFTS (THINGS FALLING FROM THE SURFACE) (1 death.)

148	29th August, 3 A.M.	Khas Jherria mine, Jharia P. O., Bihar and Orissa.	Khas Jherria Colliery Co., Ld.	Hari Roy, (m.), 25, Onsetter.	Coal	Whilst at work at the bottom of a winding shaft, 360 feet deep, deceased was struck and killed by coal which fell down the shaft. Inspection and inquiry made.
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IN SHAFTS (THINGS FALLING FROM PART OF THE WAY DOWN) (2 deaths.)

144	15th March 10-45 P.M.	Ekra Khas mine, Bansjora P. O., Bihar and Orissa.	Maharajah of Cossimbazar.	Khem Chand Gope, (m.), 30, Stone-cutter.	Coal	Deceased, who was lying asleep on a beam in the bottom of a shaft, 150 feet deep, was killed by a piece of stone which fell from the side of the shaft. Inspection and inquiry made.
145	8th September, 8 P.M.	Argada mine, Ramgarh P. O., Bihar and Orissa.	Bengal Nagpur Rail- way Co., Ld.	Bahura Kumar, (m.), 28, Sinkers.	Coal	Whilst engaged in sinking a well, deceased was struck and fatally injured by stone which fell from the side of the well.

IN SHAFTS (MISCELLANEOUS) (2 deaths.)

146	19th September, 12-30 A.M.	Bullhari mine, Kusunda P. O., Bihar and Orissa.	Chuni Lal Coal Co.	Jangali Meah, (m.), 22, Pumpman.	Coal	Deceased, whilst attempting to cross the bottom of a shaft, was struck by the down coming cage and killed instantly. Inspection and inquiry made.
147	26th October, 6 A.M.	Mohpani mine, Mohpani P. O., Central Provinces.	Great Indian Penin- sula Railway.	Munda Teli, (m.), 37, Onsetter.	Coal	Deceased was crushed beneath the descending cage at the bottom of a shaft and killed instantly. Apparently he had been looking up the shaft after he had signalled for the cage to be lowered. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
BY EXPLOSIVE (26 deaths.)						
148	2nd January, 11 P.M.	Sendra mine, Bausjora P. O., Bihar and Orissa.	Sendra Coal Co., Ltd.	Kunja Dosadh, (m.), 34, Coal-cutter.	Coal	Whilst underground in a mine, deceased removed the lid of a gunpowder canister. The powder became ignited and he sustained burns which caused death three days later. Inspection and inquiry made.
149	10th January, 12-30 P.M.	Gua mine, Dongoaposi P. O., Bihar and Orissa.	Indian Iron & Steel Co., Ltd.	Byer Singh, (m.), 26, Labourer.	Iron ore	Deceased and two other persons were carrying 10 lb. of dynamite, 6 lb. of compressed gunpowder and 80 detonators in separate open boxes from the magazine to the place of blasting. Whilst they were resting one of the men threw a lighted cigarette on to the gunpowder. The gunpowder was ignited and in turn ignited the dynamite. The three persons sustained injuries and deceased died about a day later. Inspection and inquiry made.
150	10th January, 5-30 P.M.	Bausjora mine, Bausjora P. O., Bihar and Orissa.	Bausjora Coal Co., Ltd.	Jharu Dhimar, (m.), 18, Coal-cutter.	Coal	Deceased was severely injured by an ignition of gunpowder in a quarry and died shortly afterwards. Five other persons were injured. Inspection and inquiry made.
151	13th February, 5 P.M.	Jibutli mine, Morrison P. O., Madras.	Jibutli (Amantapur) Gold Mines Ltd.	Subrayanpalli Sanjivi, (m.), 25, Subrayanpalli Chennappa, (m.), 35, Miners.	Gold	The deceased with some eighteen other miners were employed in drilling holes in an underground stope. They commenced to drill in socket of an old hole and brought about an explosion of the residue of a previous charge. Sanjivi was killed instantly and Chennappa sustained injuries which proved fatal. Inspection and inquiry made.
152	16th February, 6 A.M.	Kuardi mine, Kalipahari P. O., Bengal.	Kuardi Coal Co., Ltd.	Sibi Noonla, (m.), 30, Shot-firer.	Coal	Deceased lighted three shots in a gallery and returned after two had exploded. The third shot exploded and killed him instantly. Inspection and inquiry made.
153	29th February, 4 A.M.	Sideshur mine, Rakha Mines P. O., Bihar and Orissa.	North Anantapur Gold Mines, Ltd.	Kaudan, (m.), 33, Labourer.	Copper	Deceased started to drill in the end of an old shot-hole which was suspected to contain unconsumed gelignite. The gelignite exploded and killed him instantly. Inspection and inquiry made.

154	15th March, 6-30 P.M.	Kutchidhana mine, Ramakona P. O., Central Provinces.	Indian Manganese Co., Ltd	Gunga Telin, (f.), 35, Labourer.	Manga- nese ore	Deceased stayed behind in a quarry after the warning for blasting had been given. She was struck by a piece of stone weighing 21 lb., which was thrown out of a trial pit, 6 feet in diameter and 21 feet deep, in the bottom of the quarry. This pit was 120 feet below and 240 feet distant horizontally from her position at the time. She died six hours after the accident. Inspection and inquiry made.
155	4th April, 1 P.M.	Kargali mine, Bokaro P. O., Bihar and Orissa,	Great Indian Penin- sula Railway.	Gurunath Biraiya, (m.) 35, Shot-firer. Some, (m.), 25, Labourer.	Coal	The deceased were burnt by an explosion of compressed gunpowder in a quarry. They died three days later. Inspection and inquiry made.
156	9th April, 6-15 P.M.	Gumgaon mine, Khapa P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ltd.	Kisan, (m.), 19, Labourer.	Manga- nese ore	Deceased was struck in the head and killed instantly by stone projected by blasting operating in an open excavation.
157	15th April, 3 A.M.	Kustore North mine, Kusunda P. O., Bihar and Orissa.	Raneegunge Coal Association, Ltd.	Debi Charan Dosedh, (m.) 30, Shot-firer. Budhan Dosedh, (m.), 35, Driller.	Coal	Whilst at work underground, the deceased were fatally burnt by the accidental ignition of gunpowder cartridges. Inspection and inquiry made.
158	18th May 5 P.M.	Ramapuram mine, Morrison P. O., Madras.	North Anantapur Gold Mines, Ltd.	Hindupur Sidiab, (m.) 30, Labourer.	Gold	Deceased and another person were employed in drilling holes in a winze. They drilled in the socket of an old hole and caused the explosion of the residue of a previous charge. Deceased were fatally injured and the other man was seriously injured. Inspection and inquiry made.
159	5th July, 1-50 P.M.	Bararee mine Jamadoba P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Lekho Meah, (m.), 27, Shot-firer; Sahabai Meah, (m.), 30, Piro Meah, (m.), 25, Drillers; Biswanath Halocai, (m.), 30, Contractor's Overseer.	Coal	The deceased were sitting in an underground gallery when an accidental ignition of compressed gunpowder took place. They sustained burns which subsequently caused death. Inspection and inquiry made.
160	11th July, 12-30 P.M.	Raiganj mine, Raiganj P. O., Bengal.	Bengal Coal Co., Ltd.	Gooui, (f.), 18, Coal-carrier.	Coal	Deceased and a shot-firer returned to a shot-hole which was presumed to have misfired. The shot exploded and deceased sustained injuries to which she succumbed eleven days later. The shot-firer was seriously injured. Inspection and inquiry made.

APPENDIX II—contd.

List of Fatal Accidents, 1924—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 wrought.	Cause of accident and remark.
BY EXPLOSIVES (20 deaths)—contd.						
161	25th September, 12-30 P.M.	Alkusa North mine, Kusunda P. O., Bihar and Orissa.	Raneogunge Coal Association, Ltd.	Budhan Bakta, (m.), 30, Coal-cutter.	Coal	Deceased was carrying to the mine an open tin containing gunpowder when the powder became ignited by a spark from his lamp or cigarette. He sustained severe burns, and died three days later. Inspection and inquiry made.
162	12th November, 1-30 P.M.	Thorwa mine, Kodarma P. O., Bihar and Orissa.	Tata Sons, Ltd.	Lalu Gope, (m.), 50, Miner.	Mica	In an underground stope a charge of high explosive misfired. Whilst deceased was attempting to withdraw the charge it exploded, fatally injuring him. Inspection and inquiry made.
163	20th December, 7-30 A.M.	Niohitpur mine, Bansjora P. O., Bihar and Orissa.	A. C. Banerjee & Co.	Banta Singh, (m.), 32; Pagar Singh, (m.), 30, Sinkers.	Coal	In a sinking shaft the undetonated residue of a charge of dynamite which remained in the socket of a shothole was exploded by a blow from a pick. The deceased were killed. Inspection and inquiry made.
164	22nd December, 6-30 A.M.	Bararee mine, Jamadoba P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Ram Singh, (m.), 33; Kola Singh, (m.), 26, Stone-cutters; Badri Singh, (m.), 24, Driller.	Coal	Whilst drilling close to an unsuspected misfired shot in a sinking shaft; an explosion of gelignite occurred, killing two of the deceased and injuring two others, one of whom subsequently died. Inspection and inquiry made.
HAULAGE—(20 deaths).						
165	19th January, 3 A.M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ltd.	Ashraf Chamar, (m.), 38, Trolleyman.	Coal	Deceased was ascending an incline when he was struck by a train of tubs which had run wild. He died without regaining consciousness. Inspection and inquiry made.
166	23rd January, 3-30 P.M.	Anhakuty mine, Katrasgarh P. O., Bihar and Orissa.	Royal Coal Co., Ltd.	Bhiklal Lalla, (m.), 40, Labourer.	Coal	Deceased was crossing an underground haulage road when he was struck by two empty tubs which had run wild. He was severely injured and died soon afterwards. Inspection and inquiry made.

167	9th February, 7-30 A.M.	Searssole mine, Baniganj P. O., Bengal.	Searssole Coal Co., Ld.	Rajim Rout, (f.), 16, Coal-carrier.	Coal	Deceased was walking up an incline whilst an empty train of tubs was being lowered. The tube became derailed, and deceased, instead of entering a manhole, stood on the side of the road and was struck by the tubs. She died two hours later. Inspection and inquiry made.
168	22nd February, 4 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ld.	Madhichand, (m.), 28, Trammer.	Lead- silver.	Deceased, contrary to orders, was riding between the loaded trucks of a train on an underground road. Whilst the train was passing a stationary train he tried to pass out from between the loaded trucks, but was crushed between the two passing trains. He sustained injuries to which he succumbed shortly afterwards. Inspection and inquiry made.
169	29th February, 1 P.M.	Noonodih mine, Jamadoba P. O., Bihar and Orissa.	Bengal Iron Co., Ld.	Bhulas, (m.), 55, Coal-cutter.	Coal	Whilst a train of eight empty tubs was being lowered down a slope of 1 in 7 a drawbar broke and four of the tubs ran wild and overturned at the bottom of the incline, 120 feet below. Deceased was run over and sustained fatal injuries. Another man was seriously injured. Inspection and inquiry made.
170	2nd April, 11 A.M.	Khost mine, Khost P. O., Baluchistan.	North Western Railway.	Sardara, (m.), 28, Coal-cutter.	Coal	Owing to a missed coupling some of the tubs in a train in which men were permitted to ride ran wild from the top of a steep haulage slope. Deceased, who was sitting in one of the tubs, was killed.
171	28th April, 9 A.M.	Khowra mine, Khowra P. O., Punjab.	Government of India.	Lall, (m.), 32, Haulage atten- dant.	Salt	Deceased was coupling the tubs of a train of loaded tubs standing in an underground siding when a train of empty tubs was being pushed into the siding by a locomotive. The front tub derailed, and deceased was crushed between it and the loaded tubs. He sustained injuries to the leg which proved fatal. Inspection and inquiry made.
172	29th May, 2-30 P.M.	Ena mine, Jharria P. O., Bihar and Orissa.	North West Coal Co., Ld.	Sambhu Gorai, (m.), 14, Coal-cutter.	Coal	Deceased, whilst standing on a haulage road, was struck by a train of tubs which ran wild owing to the haulage rope breaking. He was fatally injured. Inspection and inquiry made.
173	12th June, 2 P.M.	Gopalichuck West mine, Kusunda P. O., Bihar and Orissa.	Gopalichuck Coal Co., Ld.	Bandhu Belder, (m.), 35, Labourer.	Coal	Deceased was run over and killed by tubs which, owing to the breaking of a coupling link, ran uncontrolled down a haulage incline. Inspection and inquiry made.
174	13th June, 6-30 P.M.	West Totturiya mine, Katrasgarh P. O., Bihar and Orissa.	West Totturiya Collieries, Ld.	Baran Chamer (m.), 26, Labourer.	Coal	Deceased, whilst crossing a dip haulage road, was struck by a train of six tubs which had run wild owing to the breaking of a coupling. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents, 1921—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 wrought.	Cause of accident and remarks.
HAULAGE—(20 deaths)—contd.						
175	1st July, 10-30 A.M.	Sijua mine, Sijua P. O., Bihar and Orissa.	Tata Iron and Steel Co., Ltd.	Purui Kamin, (f.), 48, Coal-carrier.	Coal	Whilst walking on a haulage road deceased was struck and fatally injured by a moving tub. Inspection and inquiry made.
176	2nd July, 8-30 A.M.	Barkui mine, Parasia P. O., Central Provinces.	Pench Valley Coal Co., Ltd.	Mulwa Kole, (m.), 20, Tramman.	Coal	In disobedience of standing orders deceased was riding on the front tub of a train of six loaded tubs. The tub derailed and he fell off and was run over. His injuries proved fatal. Inspection and inquiry made.
177	17th July, 2 P.M.	Bhalgora mine, Jharua P. O., Bihar and Orissa.	Bhalgora Coal Co., Ltd.	Bondhu Bhuiya, (m.), 33, Trolleyman.	Coal	Whilst a train of 22 empty tubs was being lowered down an incline a coupling came off and five of the tubs ran wild. Deceased was run over and fatally injured. Inspection and inquiry made.
178	29th July, 4-30 P.M.	Lodna mine, Jharua P. O., Bihar and Orissa.	Lodna Colliery Co., (1920) Ltd.	Faltn Mesh, (m.), 45, Line Mistry.	Coal	Whilst deceased was proceeding down a haulage incline the haulage of a loaded train was commenced. Owing to the derailment of a tub the haulage rope slipped off some turn pulleys and struck deceased, fracturing his leg. He died from septicaemia fifteen days later. Inspection and inquiry made.
179	23rd September, 11 A.M.	Burriah Khad mine, Kusunda P. O., Bihar and Orissa.	Kosoonda and Nyadee Collieries, Ltd.	Rupai Muchi, (m.), 15, Pumpman.	Coal	Deceased attempted to jump on a train of tubs in motion. He fell between two tubs and sustained injuries which proved fatal. Inspection and inquiry made.
180	24th September, 5 P.M.	Joyramdanga and Baraboui mines, Asansol P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Jasoda Korani, (f.), 23, Labourer.	Coal	Deceased was run over and fatally injured by a train of tubs. She appears to have entered the mine without a lamp and in a semi-intoxicated condition. Inspection and inquiry made.
181	8th October, 11-45 A.M.	Newton mine, Parasia P. O., Central Provinces.	Leonard Newton and others.	Kunoo Thakur, (m.), 40, Coal-cutter.	Coal	The haulage rope on an inclined haulage road broke, releasing a train of tubs. Deceased, who was employed on the road, was run over and sustained injuries which subsequently proved fatal.

182	17th October, 10 P.M.	Samla mine, Pandaveswar P. O., Bengal.	Samla and Kendra Collieries, Ltd.	Khedon Bauri, (m.), 50, Trammer.	Coal	Deceased was one of four persons engaged in pushing a train of six loaded tubs on a level road. He was crushed between the tubs and a narrow portion of the roadway and sustained injuries to which he succumbed on the following day. Inspection and inquiry made.
183	26th November, 1 P.M.	Balaghat mine, Bharweli P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ltd.	Chaitoo Lodhi, (m.), 16, Miner.	Manga- nese ore.	Deceased, whilst walking into a mine through an adit level, was knocked down by a train of loaded tubs that was being pushed by hand. He received injuries from which he died next day. Inspection and inquiry made.
184	25th December, 9-15 P.M.	Bagdigi mine, Jharia P. O., Bihar and Orissa.	Villiers, Ltd.	Etwari Dosadh, (m.), 23, Trammer.	Coal	Deceased fell in front of a train of loaded tubs and received severe injuries to one of his legs. He died nine days afterwards. Inspection and inquiry made.
BY UNDERGROUND MACHINERY—(2 deaths).						
185	30th April, 12 A.M.	Jitpur mine, Jamadoba P. O., Bihar and Orissa.	Bengal Iron Co., Ltd.	Bengar Sami, (m.), 30, Assistant Ma- chineman.	Coal	Deceased fell on to the revolving bar of a coal-cutting machine and was cut to pieces. Inspection and inquiry made.
186	26th August, 4 A.M.	Hurriladh mine, Jamadoba P. O., Bihar and Orissa.	Equitable Coal Co., Ltd.	Uzairali, (m.), 24, Machineman.	Coal	Deceased was operating a Sullivan Chain Coal-cutter when, owing to the giving way of a stay prop, the machine swung round and struck him. He sustained a fracture of the leg and died two days later. Inspection and inquiry made.
SUNDRIES UNDERGROUND—(15 deaths).						
187	8th January, 3 P.M.	Tirap mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Nawrose Erani, (m.), 45, Trolleyman.	Coal	Deceased, whilst at work underground, was presumed to have had an apoplectic seizure and to have fallen striking his head on a tram line. He sustained a fractured skull and died ten days later. Inspection and inquiry made.
188	1st February, 9 A.M.	Sijua mine, Sijua P. O., Bihar and Orissa.	Tata Iron and Steel Co., Ltd.	Lekha Gowala, (m.), 38, Trolleyman.	Coal	Whilst deceased was pushing tipping tub, the tub derailed and its body overturned. Deceased sustained injuries to which he succumbed three days later. Inspection and inquiry made.
189	13th February, 2-15 P.M.	Kodalgaon mine, Khapra P. O., Central Provinces.	Indian Manganese Co., Ltd.	Shikhandarkhan, (m.), 35, Miner.	Manga- nese ore	Deceased was standing on a ledge, 3½ feet wide, and was barring down a piece of rock. The bar slipped and he overbalanced and fell from the ledge to the bottom of the quarry, a distance of 16 feet. He died five days later. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents, 1924—*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 wrought.	Cause of accident and remarks.
SUNDRIES UNDERGROUND—(15 deaths)—<i>contd.</i>						
190	21st March, 8-30 A.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ltd.	Law Lee, (m.), 45, Miner.	Lead- silver.	Deceased was one of a gang engaged in extracting ore in a stopes. He was standing on a platform when it collapsed, owing to the supports not having been properly secured. He fell a distance of 60 feet and sustained injuries to which he succumbed two hours later. Inspection and inquiry made.
191	28th March, 1 P.M.	Kutehidhana mine, Bamakona P. O., Central Provinces.	Indian Manganese Co., Ltd.	Ohota Pinjara, (m.), 30, Labourer.	Manga- nese ore.	A coolie was breaking stones on the 70 foot level in a quarry and a piece of stone rolled over the edge and fell to the 100 foot level where deceased was working. As deceased was running to get clear of the falling stone he fell and knocked his head against a rock with such violence that he sustained injuries from which he died eight days later. Inspection and inquiry made.
192	8th May, 11-30 A.M.	Buraree mine, Jsmadoba P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Larowa Rohidas, (m.), 40, Coal-cutter.	Coal	Deceased, whilst loading coal in a gallery, was struck by a piece of coal, 18" x 15" x 10", which rolled from the top of a heap. He received fatal injuries. Inspection and inquiry made.
193	17th May, 9-30 A.M.	Tirap mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Malgovinda Gowala, (m.), 40, Coal-cutter.	Coal	Whilst a workman was barring down overburden in a quarry, he slipped and fell a distance of 22 feet. The crowbar which he held struck deceased on the neck, causing injuries which proved fatal twelve hours later. Inspection and inquiry made.
194	1st August, 2 A.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ltd.	Hari Prasad, (m.), 28, Tramner.	Lead- silver.	Deceased was pulling at a loaded tram whilst walking backwards, when he was crushed between the tub and an ore chute. He sustained injuries to which he succumbed nine days later. Inspection and inquiry made.
195	12th August, 8-30 P.M.	Tikak mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Dhanbir Lama, (m.), 28, Labourer.	Coal	Whilst deceased was at work in an 'opening' or "chamber" some coal fell. In attempting to avoid the falling coal he ran into a steel drill which had been left projecting from a shot-hole. He received injuries from which he died four hours later. Inspection and inquiry made.

196	21st September, 12 A.M.	Goshalpur mine, Goshalpur P. O., Central Provinces.	Seth Gowardhan Dass.	Yasin Khan, (m.), 40, <i>Labourer.</i>	Manga- nese ore.	Whilst engaged in cutting overburden on the side of an open excavation deceased overbalanced and fell to the bottom of the excavation. He was killed instantly.
197	1st December, 9-30 A.M.	Tikak mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Dnja Dhanook, (m.), 20, <i>Shoveller.</i>	Coal	Deceased was one of a gang of men employed in shovelling coal down a steep gallery. The coal began to slide, and deceased was carried down with it and buried. When his body was recovered life was extinct. Inspection and inquiry made.
198	1st December, 8-15 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ld.	Lee Yen, (m.), 40, <i>Miner.</i>	Lead- silver.	Deceased was standing on a platform and engaged in timbering a slope when he overbalanced and fell a distance of 15 feet. He sustained injuries to which he succumbed four hours later. Inspection and inquiry made.
199	3rd December, 1 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ld.	Chow Fo, (m.), 35, <i>Miner.</i>	Lead- silver.	Deceased was standing on a temporary platform and engaged in repairing a chute. A portion of the platform gave way causing him to fall a short distance. He fell on a projecting nail and sustained fatal injuries.
200	20th December, 11-40 P.M.	Kurkund mine, Kusunda P. O., Bihar and Orissa.	Marine Coal Co., Ld.	Lakhu Gope, (m.), 32, <i>Trolleyman.</i>	Coal	Deceased was assisting in the re-railing one of the tubs of a train of tubs on a haulage plane, and was injured by a prop which was being used for the purpose of re-railing. He died three days later. Inspection and inquiry made.
201	31st December, 7-30 A.M.	Katras mine, Katrasgarh P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Amrita Patwa, (m.), 35, <i>Pumpman.</i>	Coal	Deceased and a companion went into an overman's cabin underground, made a fire there and, closing the door of the cabin, lay down and fell asleep. Both men were rendered unconscious by the fumes from the fire but one recovered. Inspection and inquiry made.

BY SURFACE MACHINERY—(5 deaths).

202	13th January, 2-30 P.M.	Mohpani mine, Mohpani P. O., Central Provinces.	Great Indian Penin- sula Railway.	Sukhya Gond, (m.), 18, <i>Labourer.</i>	Coal	Whilst a C. I. pipe was being lowered down a shaft by means of a hand winch, deceased was standing at a place 6 feet behind the operator. As the speed increased one of the winch handles broke at the bend, flew past the operator and struck deceased on the forehead so severely that he died within a few hours. Inspection and inquiry made.
203	1st March, 6 A.M.	Jamadoba mine, Jamadoba P. O., Bihar and Orissa.	Tata Iron and Steel Co., Ld.	Yearali, (m.), 20, <i>Motor oiler.</i>	Coal	Deceased was passing the inlet of a small fan in a colliery workshop when a loose cloth in which he was clad was drawn into the inlet of the fan and twisted round the shaft. He was thrown violently to the ground and killed instantly. Inspection and inquiry made.
204	29th Ma. 6 A.M.	Serampur mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Bhowani Dosadh, (m.), 40, <i>Fan attendant.</i>	Coal	Deceased was found dead in the crank-pit of a fan engine. Presumably he had gone inside the fencing for oiling or cleaning purposes. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents, 1924—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 wrought.	Cause of accident and remarks.
BY SURFACE MACHINERY—(5 deaths)—contd.						
205	26th June, 8-30 A.M.	Bejdih mine, Sunderchak P. O., Bengal.	Equitable Coal Co., Ld.	Gakul Dom, (m.), 14, Labourer.	Coal	Deceased was greasing the return wheel of a surface endless rope haulage when he was caught between the wheel and its supports. He succumbed to his injuries two hours later. Inspection and inquiry made.
206	7th July, 7-30 A.M.	Sankerpur mine, Ukhra P. O., Bengal.	Burn & Co. Ld.	Lalji Mudi, (m.), 42, Trammer.	Coal	Deceased was about to lower a loading shoot into a wagon by means of a rope the movement of which was regulated by a handle on a drum. The drum was secured by a pawl and ratchet. Deceased lifted the pawl and released the drum but failed to hold the handle at the same time. The handle whirled round and struck him on the leg. He sustained injuries which caused death nine days later. Inspection and inquiry made.
SURFACE BOILERS AND PIPES BURSTING—(3 deaths).						
207	7th March, 3 P.M.	Ghusiok mine, Kalipahari P. O., Bengal.	Baliram & Co.	Ara Ali, (m.), 22, Pumpman; Monor Ali, (m.), 30, Boiler fireman.	Coal	One of the deceased allowed the water level in a vertical boiler to fall too low and the boiler exploded. Both he and another man were severely scalded and subsequently died. Inspection and inquiry made.
208	24th April, 8 A.M.	Hurriladih mine, Jharis P. O., Bihar and Orissa.	Equitable Coal Co., Ld.	Sumar Pashi, (m.), 27, Labourer.	Coal	Whilst deceased was removing ashes from underneath a water tube boiler, one of the tubes burst and he was scalded so severely that he died. Inspection and inquiry made.
ON SURFACE RAILWAYS AND TRAMWAYS BELONGING TO THE MINE—(10 deaths).						
209	19th January, 10-30 A.M.	Bhājipani mine, Penoh P. O., Central Provinces.	Penoh River Co., Ld.	Coal Mallal Ahir, (m.), 18, Trammer.	Coal	Deceased tried to cross in front of two loaded tubs which were slowly moving along a level tramway. He fell down and was run over, sustaining fatal injuries. Inspection and inquiry made.

210	22nd February, 4 P.M.	Shivrajpur mine, Shivrajpur P. O., Bombay.	Shivrajpur Syndi- cate Ld.	Bhimappa Timappa, (m.), 10, <i>Selecting boy.</i>	Manga- nese ore.	During hand tramping operations deceased was run over by a moving tub, and sustained injuries which proved fatal.
211	9th March, 6 A.M.	Serampur mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Kodia Chamin, (f.), 17, <i>Coal-carrier.</i>	Coal	In attempting to cross a railway siding deceased was crushed between wagons which were being moved by hand. Her injuries proved fatal. Inspection and inquiry made.
212	13th March, 2 P.M.	Katras mine, Katrasgath P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Jharoo Turi, (m.), 20, <i>Banksman.</i>	Coal	Deceased, whilst opening a stopblock on a surface tramline, was struck by a train of seven loaded tubs, which he had himself previously set in motion. He was killed instantly. Inspection and inquiry made.
213	22nd March, 12 A.M.	Karapur mine Suramangalem P. O. Madras.	Magnesite Syndicate Ld.	Parmayee, (f.), 50, <i>Cleaner.</i>	Magnesite	Deceased attempted to cross a tramline in front of a moving wagon. She was knocked down and run over, sustaining injuries from which she died a few hours later. Inspection and inquiry made.
214	7th May, 5 P.M.	Shivrajpur mine, Shivrajpur P. O., Bombay.	Shivrajpur Syndi- cate, Ld.	Lingappa Basappa, (m.), 40, <i>Labourer.</i>	Manga- nese ore.	Deceased attempted to cross a self-acting incline in a quarry whilst the tubs were in motion. He was run over and sustained injuries which subsequently proved fatal.
215	30th May, 6-30 A.M.	Janardeo mine, Jamsai P. O., Central Provinces.	Rai Sahib H. Verma and Munshi Kanhayyalal, Ld.	Lalla, (m.), 20, <i>Trammer.</i>	Coal	Deceased was crushed between the tub which he was controlling and another loaded tub which ran uncontrolled for 1,400 feet down a gradient of 1 in 50 on a surface tramline. Inspection and inquiry made.
216	18th July 5 P.M.	Bhurkunda mine, Rangach P. O., Bihar and Orissa.	Government of India (Railway Department).	Ramdin, (m.), 53, <i>Labourer</i>	Coal	Whilst deceased was riding on a wagon the latter derailed. He was thrown against the wagon supports and sustained internal injuries which caused death on the following day.
217	2nd November, 8 P.M.	Lakurka mine, Katrasgath P. O., Bihar and Orissa.	Lakurka Coal Co., Ld.	Jari Bhura, (m.), 20, <i>Trammer.</i>	Coal	Deceased was employed on a surface tramline. He was crushed between a tub which he was pushing and a second tub which was being pushed by another man. He sustained injuries to the spine and died on the following day. Inspection and inquiry made.
218	23rd November, 9 A.M.	Napur mine, Baniganj P. O., Bengal.	Napur Coal Co., Ld.	Feku Kurmi, (m.), 21, <i>Banksman.</i>	Coal	Deceased attempted to jump on to a colliery locomotive while it was in motion. He was crushed between the locomotive and a building sustaining injuries which proved fatal. Inspection and inquiry made.
BY ELECTRICITY—(5 deaths).						
219	11th January, 7 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ld.	Low Leo, (m.), 38, <i>Trammer.</i>	Lead- silver.	Deceased caught hold of the cables of a 220 volt alternating current lighting circuit. The cable insulation was defective and he was electrocuted. Inspection and inquiry made.

APPENDIX I —*contd.*

Fatal Accidents, 1924—*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 wrought.	Cause of accident and remarks.
BY ELECTRICITY—(5 deaths)—<i>contd.</i>						
220	18th March, 9-15 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ld.	Fu Ohain Kyan, (m.), 28, <i>Trammer.</i>	Lead- silver.	Deceased picked up the "live" end of a broken cable on a 220 volt alternating current lighting circuit. He was electrocuted. Inspection and inquiry made.
221	19th April, 10 A.M.	Central Kurkond mine, Kusunda P. O., Bihar and Orissa.	Central Kurkond Coal Co., Ld.	Surju Katri, (m.), 25, <i>Cartier.</i>	Coal	With the object of obtaining a bird's nest, deceased climbed a post carrying electric transmission wires. He received a slight shock from a live conductor and fell to the ground from a height of 15 feet, sustaining an injury to the spine which caused death four days later. Inspection and inquiry made.
222	25th August, 6-30 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ld.	Hsiao San, (m.), 21, <i>Trammer.</i>	Lead- silver.	Deceased was passing between a tram and a pipe enclosing the three cables of a 220 volt lighting system when he touched the pipe and was electrocuted. Inspection and inquiry made.
223	21st November, 1-45 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ld.	Chandra Bahan, (m.), 35, <i>Labourer.</i>	Lead- silver.	Whilst deceased was carrying a crowbar on his shoulder the crowbar fouled an electric cable on a 220 volt alternating current lighting circuit. The insulation being defective, deceased was electrocuted. Inspection and inquiry made.
MISCELLANEOUS ON SURFACE—(11 deaths).						
224	2nd February, 12-15 P.M.	Jamadoba mine, Jamadoba P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Abdul Kheer, (m.), 25, <i>Labourer.</i>	Coal	Deceased, whilst at work at the top of a standard on a electric transmission line, slipped and fell to the ground—a height of 84 feet. He sustained fatal injuries. Inspection and inquiry made.
225	26th March, 7-45 A.M.	Kustore South mine, Kusunda P. O., Bihar and Orissa.	Raneegunge Coal Association, Ld.	Gopal Makhan, (m.), 20, <i>Rivetter.</i>	Coal	Deceased ventured on to a projecting bamboo forming part of a scaffold in a head gear in course of erection. The bamboo broke and deceased fell a distance of about 70 feet and was killed instantly. Inspection and inquiry made.

226	14th May, 8-30 A.M.	West Jambad mine, Chora P. O., Bengal.	West Jambad Colliery, Ld.	Bijoy Dhwagar, (m.), 28, Trolleyman.	Coal	A winding rope became slack, slipped over the drum flange, and became twisted on the drum shaft. The rope was then clamped in the head gear to support the cage. Deceased was trying to straighten the rope, when it slipped through the clamps and tightened on the drum. He was thrown a distance of 45 feet and sustained injuries which caused death within a few hours. Inspection and inquiry made.
227	7th June, 10-40 A.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation Ld.	U. Lan, (m.), 40, Contractor's carpenter.	Lead- silver.	Deceased was holding a piece of timber, 8' x 5' x 4' long, which was being cut by a circular saw, when the timber jerked from his hold and struck him on the chest. He sustained injuries to which he succumbed shortly afterwards. Inspection and inquiry made.
228	7th July, 6-45 A.M.	Dishergarh (East) mine, Dishergarh P. O., Bengal.	Equitable Coal Co., Ld.	Sambhu Bauri, (m.), 18, Labourer.	Coal	Owing to a collapse of underground workings, a surface subsidence occurred causing a line of cooly huts to collapse. Deceased, who was inside one of the huts, was killed instantly. Inspection and inquiry made.
229	21st July, 6 A.M.	Khoet mine, Khoet P. O. Baluchistan.	North Western Railway.	Gulaba, (m.), 35, Machineman.	Coal	Deceased took a light near the press cylinder in a briquetting factory, and caused an ignition of coal dust. He received severe burns and died on the following day.
230	28th July, 8-30 P.M.	Jamai mine, Parasia P. O. Central Provinces.	E. S. Mathura Proshad Motilal and Co.	Firmoo Mehra, (m.), 20, Coal-cutter.	Coal	During the hours of darkness deceased fell over a fence and into a disused incline cutting, 31 feet deep. He was killed instantly. Inspection and inquiry made.
231	23rd September, 11-30 A.M.	Charanpur mine, Charanpur P. O. Bengal.	Burrakur Coal Co. Ld.	Muhammad Isack, (m.), 32, Building contractor; Mili Baurin, (f.), 17, Labourer.	Coal	The walls of a building, in the course of erection, collapsed and the deceased were struck by the falling roof and buried in the debris. Seven other persons were injured. Inspection and inquiry made.
232	9th November, 7-30 A.M.	Kendwadih mine, Kusunda P. O. Bihar and Orissa.	East Indian Coal Co., Ld.	Suren Singh, (m.), 40 Labourer.	Coal	Whilst a gang of coolies was removing a throttle valve from a haulage engine by means of a pulley block suspended from the roof beam of the engine house, the roof collapsed. Deceased was crushed between the roof and a steam pipe, sustaining spinal injuries from which he died five weeks later. Inspection and inquiry made.
233	16th November, 11-30 A.M.	Bhuggatdih (North Section) mine, Jharia P. O. Bihar and Orissa.	Bengal Nagpur Coal Co., Ld.	Prayag Mudi, (m.), 28, Labourer.	Coal	Deceased, whilst demolishing a portion of the arching at the mouth of an incline preparatory to effecting repairs, was struck on the back by some bricks which fell from the top of the arching—a height of 7 feet. He was fatally injured. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents, 1924—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 wrought.	Reason for exclusion.	Cause of accident and remarks.
DEATHS NOT INCLUDED IN THE STATISTICS (33 Deaths).							
1	28th January, 11 A.M.	Munsar mine, Kandri P. O. Central Provinces.	Central Provinces, Prospecting Syndicate, Ltd.	Samagas, (m.), 1.	Manganese.	Not employed.	A boy was carrying a boulder of manganese weighing 35 lbs. up an incline leading from an open excavation. He slipped and dropped the boulder and the latter rolled into the excavation and struck deceased on the head causing fatal injuries. Inspection and inquiry made.
2	9th February, 1-30 A.M.	Bankola mine, Ukhra P. O. Bengal.	Burrakur Coal Co., Ltd.	1. Ojir Sheik, (m.), 34, 2. Sujat Ali, (m.), 35, 3. Udo Sheik, (m.), 34, 4. Dost Mahommed, (m.), 30, Gunpowder makers.	Coal	Not a mining accident.	Whilst a number of persons were sleeping in a block of huts in a part of which gunpowder was being manufactured, the powder was ignited and an explosion demolished the building. Four persons were killed and three injured by the falling debris; three other persons were severely burnt by the flames. Inspection and inquiry made.
3	23rd March, 10 P.M.	Lakurka mine, Katrasgarh P. O., Bihar and Orissa.	Lakurka Coal Co., Ltd.	Dharm Singh, (m.), 35, Siuo Singh, (m.), 40, Gharool, (m.), 42, Dhanoo, (m.), 35, Coal-cutters.	Coal	Not a mining accident.	One of the deceased took a bag of gunpowder into a hut. Whilst they were sitting in the hut the powder became ignited and they were burnt so severely that all of them died within twenty-one hours. Inspection and inquiry made.
	31st March, 2-30 P.M.	Tikak mine, Margherita P. O. Assam.	Assam Railways and Trading Co., Ltd.	Unknown, (m.), 30, Fakir.	Coal	Not employed.	Deceased attempted to cross a surface self-acting incline. He was run over and killed. Inspection and inquiry made.

5	4th April, 10-30 A.M.	New Tetturya mine, Katragarh P. O., Bihar and Orissa.	New Tetturya Coal Co., Ld.	Joy Karan, (m.), 22, Ram Frosad, (m.), 32, Coal-cutters. Jodhi Bilaspuri, (m.), 38, Sirdar.	Coal	Not a mining accident	The deceased were sitting in a miner's dwelling when a spark ignited some gunpowder which they had brought from the mine. They were seriously burnt and eventually succumbed to their injuries. Inspection and inquiry made.
6	14th April, 11-30 A.M.	Charanpur mine, Charanpur P.O., Bengal.	Apear Collieries, Ld.	Tugan Kowat, (m.), 28, Coal-cutter.	Coal	Not a mining accident.	Deceased, with his wife and child, was burnt by an ignition of gunpowder cartridges in his hut. He died a day later. Inspection and inquiry made.
7	28th May, 1 P.M.	Tetulmuri mine, Sijua P. O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Lakhia Bhuiyan, (f.), 10.	Coal	Not em- ployed.	Deceased was run over and killed on an endless haulage road. Inspection and inquiry made.
8	7th June, 5 P.M.	Burra-Golai, Margherita P.O., Assam.	Assam Railways and Trading Co., Ld.	Chee Keow, (m.), 28, Coal-cutter.	Coal	Not a mining accident.	Whilst drawing water from a well under construction deceased fell in and was drowned. Inspection and inquiry made.
9	11th June, 11 P.M.	Saltore mine, Disergarh P.O., Bihar and Orissa.	Burrakur Coal Co., Ld.	Raghu Manjhi (m.), 43, Coal-cutter.	Coal	Not a mining accident.	Deceased, after a long walk to the colliery in the heat of the day, was found dead near his working place underground. Death was ascribed to heat apoplexy. Inspection and inquiry made.
10	18th June, 8-15 A.M.	Angarpathra mine, Katragarh P.O. Bihar and Orissa.	National Coal Co., Ld.	Jhingon Singh (m.), 50, Raising con- tractor.	Coal	Not a mining accident.	A mineral train got out of control and, after being derailed by the "trip-point" at the entrance to a railway siding, knocked down part of the wall of a loading wharf on which deceased was sitting. He fell under the wheels of the train and was killed instantly. Inspection and inquiry made.
11	22nd June, 9-30 A.M.	West Albion mine, Nawagarh, P. O., Bihar and Orissa.	West Albion Coal Co., Ld.	Ghasini Dhoibin, (f.), 8.	Coal	Not em- ployed.	Whilst deceased was riding on a train of loaded tubs on the surface, she fell off and was fatally injured. Inspection and inquiry made.
12	1st July, 2 P.M.	Ramnagar mine, Pandaveswar P. O., Bengal.	Sania Ramnagar Collieries, Ld.	Jamuna Dhan- gar, (f.), 6.	...	Not em- ployed.	Deceased was standing on the buffer of a loaded tub in a railway cutting. When the tub was set in motion she fell and sustained injuries which proved fatal. Inspection and inquiry made.
13	7th July, 8 P.M.	Kargali mine, Bokaro P. O., Bihar and Orissa.	Great Indian Penin- sula Railway.	Sakur Mahato, (m.), 25, Coal-cutter.	Coal	Not a mining accident.	During a storm, deceased and other miners took shelter in a hut roofed with corrugated iron. He was struck by lightning and killed instantly.
14	26th July, 12 o'clock & 1 P.M.	Taungzon mine, Taungzon P. O., Burma.	Oaman Mustikhan & Co.	Ah Aung, (f.), 1, daugh- ter of a churoot- maker.	Stone	Not em- ployed.	Whilst sitting in the verandah of a dwelling house, deceased was struck on the head by a stone projected by blasting operations in an adjacent quarry.

APPENDIX II—*contd.*

Fatal Accidents, 1924—*conold.*

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 wrought.	Reason for exclusion.	Cause of accident and remarks.
DEATHS NOT INCLUDED IN THE STATISTICS (38 deaths)— <i>contd.</i>							
15	29th July, 9 A.M.	Lodna mine, Jharia F. O., Bihar and Orissa.	Lodna Colliery Co., (1920), Ld.	Piyara Chamar, (m.), 41, Coal-cutter.	Coal	Not a mining accident.	Deceased took a canister containing gunpowder cartridges to his house. The gunpowder became ignited, and he was slightly burnt. He died of tetanus two days later. Inspection and inquiry made.
16	2nd August, 1 P.M.	Sijua mine, Sijua P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ld.	Balia Majhian, (f.) 30, Coal-carrier.	Coal	Not a mining accident.	Deceased was said to have thrown herself into a shaft, 64 feet deep, and to have been killed instantly. The shaft was surrounded by a wall 4 feet high. Inspection and inquiry made.
17	8th August, 9 A.M.	Bhalgora mine, Jharia F. O., Bihar and Orissa.	Bhalgora Coal Co., Ld.	Pancham Teli, (m.), 40, Coal-cutter, Ramdui Teli, (m.), 14 Not employed.	Coal	Not a mining accident.	Country gunpowder, which was being dried in a tin over a coal fire, became ignited and two men and a child were burnt severely. The deceased subsequently succumbed to their injuries. Inspection and inquiry made.
18	8th August, 9-15 A.M.	Bhalgora mine, Jharia F. O., Bihar and Orissa.	Bhalgora Coal Co., Ld.	Dhara Dhaunk, (m.), 25, Coal-cutter.	Coal	Not a mining accident.	Deceased was drying gunpowder on a tin plate over a fire when the powder became ignited and he sustained severe burns which proved fatal. Inspection and inquiry made.
19	10th August, 7 A.M.	Showra mine, Jamadoba F. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Jhala, (m.), 12.	Coal	Not employed.	With the object of obtaining a bird's nest deceased climbed a post carrying 220 volt electric lighting wires. He came into contact with a live conductor and was electrocuted. Inspection and inquiry made.
20	24th September, 4 A.M.	Serampur mine, Giridih F. O., Bihar and Orissa.	East Indian Railway.	Salon Shaikh, (m.), 42, Labourer.	Coal	Not a mining accident.	Deceased was knocked down and killed by a locomotive in a colliery siding. Inspection and inquiry made.
21	9th November, 4 P.M.	Angarpatra mine, Katrasgarh F. O., Bihar and Orissa.	Union Coal Co., Ld.	Parawa Bhuiyan, (f.), 13, Labourer.	Coal	Not a mining accident.	Deceased was crossing a railway siding when a train of wagons was being shunted. She was knocked down by the wagons, and sustained fatal injury. Inspection and inquiry made.

23	20th November, 8 A.M.	Kurkurbari mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Dasso Bhuiya, (m.), 30.	Coal	Not em- ployed.	Deceased went under a hopper wagon, presumably to steal brass fittings. He must have accidentally opened the bottom door, allowing the coal dust with which the wagon was loaded, to fall out. He was buried and died from suffocation. Inspection and inquiry made.
23	13th Decem- ber, 3 P.M.	Makerwal mine, Trag P. O., Punjab.	Kapur Ishar Dass and O. B. Bevan- Petman.	Janan, (m.), 16, <i>Labourer.</i>	Coal	Not a mining accident.	Deceased was going from the mine to his home and, instead of taking the proper path, went by a short precipitous path. His foot slipped and he fell down the cliff—a distance of 200 feet. He was killed instantly. Inspection and inquiry made.
24	19th Decem- ber, 9 A.M. & 5 P.M.	Seraampur mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Sona Chamar, (m.), 25, <i>Coal-cutter.</i>	Coal	Not a mining accident.	Deceased was found drowned in a water-logged incline. Inspection and inquiry made.

APPENDIX II—contd.

Table No. 2.

Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924.

PROVINCE.	District and mineral field.	Total average number of persons employed daily.	FATAL ACCIDENTS			SERIOUS ACCIDENTS.			DEATH-RATE PER 1,000 PERSONS EMPLOYED.				
			Number of separate fatal accidents.	NUMBER OF DEATHS.		Number of serious non-fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.		Below ground.	Above ground.	Below and above ground.		
				Below ground.	Above ground.		Total deaths.	Below ground.				Above ground.	Total number of persons injured.
ASSAM	Lakhimpur . . .	3,630	7	8	...	8	54	42	12	54	4.11	...	2.20
	Naga Hills . . .	834	1	2	...	2	1	..	1	1	4.26	...	2.40
	Sibsagar . . .	...	...	...	...	...	...	...	...	...	...	...	...
	TOTAL . . .	4,464	8	10	...	10	55	42	13	55	4.14	...	2.24
Baluchistan	Loralai . . .	62	...	...	...	...	...	...	...	...	...	...	...
	Quetta, Pishin . . .	101	...	...	...	...	...	...	...	...	...	...	...
	Sibi, Khoet . . .	748	8	10	1	11	4	5	...	5	23.53	8.10	14.71
	TOTAL . . .	911	8	10	1	11	4	5	...	5	19.03	2.58	12.07
Bengal	Bankura, Raniganj . . .	224	...	...	...	...	...	...	...	...	...	...	...
	Birbhum . . .	109	1	1	...	1	...	...	...	...	19.23	...	9.17
	Burdwan . . .	48,288	48	44	9	53	48	31	18	49	1.57	0.59	1.23
	TOTAL . . .	48,621	47	45	9	54	48	31	18	49	1.60	0.58	1.24

APPENDIX II—contd.

Table No. 2.

Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924.

PROVINCE.	District and mineral field.	Total average number of persons employed daily.	FATAL ACCIDENTS.				SERIOUS ACCIDENTS.			DEATH-RATE PER 1,000 PERSONS EMPLOYED.				
			Number of separate fatal accidents.	NUMBER OF DEATHS.			Number of serious non-fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.			Below ground.	Above ground.	Below and above ground.	
				Below ground.	Above ground.	Total deaths.		Below ground.	Above ground.	Total number of persons injured.				
Bihar and Orissa.	Hassari-bagh.	Bokaro	19,506	3	4	...	4	19	8	14	22	0.31	...	0.20
		Giridih	7,687	6	5	2	7	23	20	8	23	0.35	1.12	0.91
		Jharria	1,865	1	2	...	2	2.59	...	1.07
		Ramgach	764	3	2	1	3	2	1	1	2	15.62	1.57	3.83
	Manbhum.	Jharria	86,739	98	114	10	124	111	87	29	116	2.18	0.29	1.43
		Baniganj	8,798	3	3	...	3	4	2	2	4	0.59	...	0.34
	Palamanu, Daltonganj.	430
	Sambalpur, Hingir-Bampur.	486	1	1	...	1	1	1	...	1	2.92	...	2.06	
	Sonthal Parganas, Jaijy.	796	...	...	...	...	1	1	...	1	...	...	...
	Sonthal Parganas, Baniganj.	1,139	...	...	...	...	...	...	...	...	...	...	...
TOTAL	123,210	115	131	13	144	161	120	49	169	1.66	0.26	1.12		
Burma	Mergui	23	...	...	...	...	...	...	...	...	...	...	...
Central Provinces.	Betul	177	...	...	...	...	...	...	...	...	...	...	...
	Chanda, Ballarpur.	1,755	...	...	...	...	2	2	...	2	...	...	...
	Chindwara, Fench Valley.	4,771	6	3	3	6	13	8	5	13	1.08	1.62	1.26	
	Narsinghpur, Mohpaul.	1,338	2	1	1	2	2	2	...	2	1.15	1.59	1.43	
	Yectmal	159	...	...	...	...	...	...	...	...	...	...	...
Hoshangabad	24	...	...	...	...	...	...	...	...	...	...	...
TOTAL	8,284	8	4	4	8	17	12	5	17	0.31	1.21	0.97		

APPENDIX II—*contd.*Table No. 2—*contd.*

Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924—*contd.*

PROVINCE.	District and mineral field.	Total average number persons employed daily.	FATAL ACCIDENTS.			SERIOUS ACCIDENTS.			DEATH-RATE PER 1,000 PERSONS EMPLOYED.				
			Number of separate fatal accidents.	NUMBER OF DEATHS.		Number of serious non-fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.		Below ground.	Above ground.	Below and above ground.		
				Below ground.	Above ground.		Total deaths.	Below ground.				Above ground.	Total number of persons injured.
COAL—<i>contd.</i>													
Punjab .	Jhelum	1,376	2	2	...	2	3	4	...	4	2.31	...	1.57
	Mianwall	150	...	...	...	...	...	...	...	...	...	...	...
	Shahpur	149	1	1	...	1	...	...	...	...	18.33	...	6.71
	TOTAL	1,575	3	3	...	3	3	4	...	4	3.01	...	1.90
GRAND TOTAL (COAL)		187,088	189	203	27	230	288	214	85	299	1.75	0.38	1.23
IRON ORE.													
Bihar and Orissa.	Singhbhum	3,135	2	2	...	2	7	...	7	7	1.46	...	0.64
Burma .	Mandalay	127	...	...	...	...	...	...	...	...	...	...	...
	Northern States. Shan	774	1	2	...	2	1	...	1	1	6.13	...	2.58
	TOTAL	901	1	2	...	2	1	...	1	1	6.13	...	2.92
Central Provinces.	Chanda	717	...	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL (IRON ORE)		4,753	3	4	...	4	8	...	8	8	2.07	...	0.84

APPENDIX II—contd.

Table No. 2—contd.

Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924—contd.

PROVINCE.	District and mineral field.	of Total average number persons employed daily.	FATAL ACCI- DENTS.			SERIOUS ACCI- DENTS.			DEATH-RATE PER 1,000 PERSONS EMPLOYED.				
			Number of separate fatal accidents.	NUMBER OF DEATHS.		Number of serious non- fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.		Below ground.	Above ground.	Below and above ground.		
				Below ground.	Above ground.		Total deaths.	Below ground.				Above ground.	Total number of persons injured.
MANGANESE ORE.													
Bombay	Panch Mahals	2,679	2	...	2	2	14	1	13	14	...	3.45	0.75
Bihar and Orissa.	Singhbhum	45	...	...	...	...	...	...	...	...	...	...	...
Central Pro- vinces.	Balaghat	9,650	4	5	...	5	1	...	1	1	0.64	...	0.52
	Bhandara	3,010	...	...	...	...	1	...	1	1	...	...	...
	Chhindwara	1,311	2	2	...	2	...	...	...	...	1.92	...	1.53
	Jubbulpore	214	1	1	...	1	...	...	...	...	5.88	...	4.67
	Nagpur	6,378	3	3	...	3	4	1	3	4	0.60	...	0.47
	TOTAL	20,563	10	11	...	11	6	1	5	6	0.67	...	0.53
Madras	Ballary	334	...	...	...	...	...	...	...	...	...	...	...
	Kurnool	29	...	...	...	...	...	...	...	...	...	...	...
	Vizagapatam	1,438	...	...	...	...	...	...	...	...	...	...	...
	TOTAL	1,801	...	...	...	...	...	...	...	...	...	...	...
	GRAND TOTAL (MANGANESE ORE).	25,088	12	11	2	13	20	2	13	20	0.54	0.41	0.52

APPENDIX II—*contd.*Table No. 2—*contd.*

Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924—*contd.*

PROVINCE.	District and mineral field.	Total average number of persons employed daily.	FATAL ACCIDENTS.				SERIOUS ACCIDENTS.				DEATH-RATE PER 1,000 PERSONS EMPLOYED.		
			Number of separate fatal accidents.	NUMBER OF DEATHS.			Number of serious non-fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.			Below ground.	Above ground.	Below and above ground.
				Below ground.	Above ground.	Total deaths.		Below ground.	Above ground.	Total number of persons injured.			

LEAD ORE.

Burma	Northern States.	Shan	3,268	13	14	1	15	64	57	8	65	5.89	1.12	4.59
		Southern States.	Shan	289	...	...	...	2	2	...	2	...	...	...
	GRAND TOTAL (LEAD ORE)		3,557	13	14	1	15	66	59	8	67	5.49	0.99	4.22

WOLFRAM AND TIN ORE.

Burma	Mergui		527	1	1	...	1	...	...	...	...	2.33	...	1.90	
		Tavoy		2,753	4	4	...	4	3	2	1	3	2.22	...	1.45
			Thaton		19	...	...	...	...	...	...	...	...	...	...
	GRAND TOTAL (WOLFRAM AND TIN ORE).		3,299	5	5	...	5	3	2	1	3	2.22	...	1.52	

GOLD.

Madras	Anantapur		253	2	3	...	3	3	3	..	3	29.70	...	11.86
	TOTAL (GOLD)		253	2	3	...	3	3	3	...	3	29.70	...	11.86

APPENDIX II—contd.

Table No. 2—contd.

Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924—contd.

PROVINCE.	District and mineral field.	Total average number of persons employed daily.	FATAL ACCIDENTS.			SERIOUS ACCIDENTS.			DEATH-RATE PER 1,000 PERSONS EMPLOYED.				
			Number of separate fatal accidents	NUMBER OF DEATHS.		Number of serious non-fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.		Below ground.	Above ground.	Below and above ground.		
				Below ground.	Above ground.		Total deaths.	Below ground.				Above ground.	Total number of persons injured.
CHROMITE ORE.													
Baluchistan	Zhob	446	...	...	...	...	1	1	...	1	...	...	...
	Quetta Fishin	25	...	...	...	...	...	...	...	...	...	...	...
	TOTAL	471	...	...	...	...	1	1	...	1	...	...	...
Bihar and Orissa.	Singhbhum	246	...	...	...	...	...	...	...	...	...	...	...
	GRAND TOTAL (CHROMITE ORE).	717	...	...	...	...	1	1	...	1	...	...	...

COPPER ORE.

Bihar and Orissa.	Singhbhum	695	1	1	...	1	2	2	...	2	4.17	...	1.44
Burma	Southern Shan States.	31	...	...	...	...	...	...	...	...	...	...	...
Central Provinces.	Balaghat	31	...	...	...	...	...	...	...	...	...	...	...
	GRAND TOTAL (COPPER ORE).	757	1	1	...	1	2	2	...	2	3.30	...	1.32

GEMS.

Burma	Katha (Rubies, etc.)	1,417	1	...	1	1
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APPENDIX II—*contd.*Table No. 2—*contd.*Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924—*contd.*

PROVINCE.	District and mineral field.	Total average number of persons employed daily.	FATAL ACCIDENTS			SERIOUS ACCIDENTS.				DEATH-RATE PER 1,000 PERSONS EMPLOYED.		
			Number of separate fatal accidents.	NUMBER OF DEATHS.		Number of serious non-fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.			Below ground.	Above ground.	Below and above ground.
				Below ground.	Above ground.		Total deaths.	Below ground.	Above ground.				Total number of persons injured.
MICA.												
Bihar and Orissa.	Bhagalpur	91	...	...	...	...	...	...	...	...	...	...
	Gaya	1,518	...	...	...	...	1	...	1	1	...	...
	Hazaribagh	9,274	5	6	...	6	1	2	...	2	0.98	0.65
	Monghyr	404	...	...	...	...	...	...	...	...	...	...
	Sambalpur	168	...	...	...	...	...	...	...	...	...	...
	Manbhum	6	...	...	...	...	...	...	...	...	...	...
	TOTAL	11,456	5	6	...	6	2	2	1	3	0.76	0.52
Madras	Nellore	3,858	...	...	...	...	1	1	...	1	...	...
	Nilgiris	231	...	...	...	...	...	...	...	...	...	...
	TOTAL	3,589	...	...	...	...	1	1	...	1	...	...
Rajputana	Ajmer-Merwara	268	...	...	...	...	...	...	...	...	...
	GRAND TOTAL (Mica).	15,818	5	6	...	6	3	3	1	4	0.58	0.39

APPENDIX II—*contd.*Table No. 2—*contd.*Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924—*contd.*

PROVINCE.	District and mineral field.	Total average number of persons employed daily.	FATAL ACCIDENTS.			SERIOUS ACCIDENTS.			DEATH-RATE PER 1,000 PERSONS EMPLOYED.		
			Number of separate fatal accidents.	NUMBER OF DEATHS.		Number of serious non-fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.		Below ground.	Above ground.	Below and above ground.
				Below ground.	Above ground.		Total deaths.	Below ground.				Above ground.	Total number of persons injured.

STONE—*contd.*

Burma .	Tavoy . . . .	...	...	...	...	...	...	...	...	...	...	...
	Bassien	60	...	...	...	...	...	...	...	...	...	...
	Thaton	1,024	1	2	...	2	1	2	...	2	3.20	...	1.95
	TOTAL	1,084	1	2	...	2	1	2	...	2	3.09	...	1.85
GRAND TOTAL (STONE).		1,352	1	2	...	2	1	2	...	2	2.71	...	1.48

SALT.

Punjab .	Jhelum	695	1	1	...	1	5	3	2	5	1.44	...	1.44
	Mianwali	36	...	...	...	...	...	...	...	...	...	...	...
	Shahpur	129	...	...	...	...	2	1	2	2	...	...	...
	GRAND TOTAL (SALT).	860	1	1	...	1	8	4	4	8	1.20	...	1.18

SLATE.

Bihar and Orissa.	Monghyr	323	...	...	...	...	1	1	...	1	...	...	...
Punjab .	Gurdaspur . . . .	...	...	...	...	...	...	...	...	...	...	...	...
	Gurgaon	210	...	...	...	...	...	...	...	...	...	...	...
	Kangra	467	...	...	...	...	...	...	...	...	...	...	...
	TOTAL	677	...	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL (SLATE).		999	...	...	...	...	1	1	...	1	...	...	...

APPENDIX II—*contd.*Table No. 2—*concl'd.*Statement of fatal and serious accidents in and about mines regulated by the Indian Mines Act, during the year 1924—*concl'd.*

PROVINCE.	District and mineral field.	Total average number of persons employed daily.	FATAL ACCIDENTS.			SERIOUS ACCIDENTS.			DEATH-RATE PER 1,000 PERSONS EMPLOYED.				
			Number of separate fatal accidents.	NUMBER OF DEATHS.		Number of serious non-fatal accidents.	NUMBER OF PERSONS SERIOUSLY INJURED.		Below ground.	Above ground.	Below and above ground.		
				Below ground.	Above ground.		Total deaths.	Below ground.				Above ground.	Total number of persons injured.
ASBESTOS.													
Central Provinces.	Bhandara .. .	12	..	..	..	..	..	..	..	..	..
Madræs . .	Cuddapah . . .	74	..	..	..	..	..	..	..	..	..
	GRAND TOTAL (ASBESTOS).	86	..	..	..	..	..	..	..	..	..
OCHRE.													
Bihar and Orissa.	Puri	42	..	..	..	..	..	..	..	..	..
CORUNDUM.													
Central Provinces.	Bhandara . . .	15	..	..	..	..	..	..	..	..	..
	GRAND TOTAL (ALL MINES).	258,217	233	250	31	281	410	294	180	424	1.49	0.84	1.09

APPENDIX II—*conold.*

Table No. 3.

Statement of fatal accidents in mines regulated by the Indian Mines Act, during the year 1924, classified according to cause of accident.

Mineral worked.	Number of separate fatal accidents.	NUMBER OF PERSONS KILLED.											DEATH-RATE PER 1,000 PERSONS EMPLOYED.			
		Explosions of fire-damp.	Falls of roof.	Falls of side.	In shafts.	Suffocation by gases.	By explosives.	Eruptions of water.	Haslage.	Miscellaneous below ground.	Surface.	Electricity.	Total deaths.	Below ground.	Above ground.	Below and above ground.
Coal . . .	189	2	86	44	27	...	18	...	17	10	25	1	290	1.75	0.88	1.23
Copper . . .	1	...	...	...	...	...	1	...	...	...	...	...	1	3.39	...	1.32
Gold . . .	2	...	...	...	...	...	3	...	...	...	...	...	3	29.70	...	11.86
Iron Ore . . .	3	...	...	3	...	...	1	...	...	...	...	...	4	2.07	...	0.84
Lead Ore . . .	13	...	...	1	4	...	...	...	1	4	1	4	15	5.49	0.99	4.22
Magnesite . . .	1	...	...	...	...	...	...	...	...	...	1	...	1	...	4.17	0.50
Manganese Ore.	12	...	...	5	...	...	2	...	1	3	2	...	13	0.54	0.41	0.52
Mica . . .	5	...	1	4	...	...	1	...	...	...	...	...	6	0.58	...	0.39
Salt . . .	1	...	...	...	...	...	...	...	1	...	...	...	1	1.20	...	1.16
Stone . . .	1	...	...	2	...	...	...	...	...	...	...	...	2	2.71	...	1.46
Tin Ore	5	...	...	5	...	...	...	...	...	...	...	...	5	2.22	...	1.52
Wolfram Ore																
TOTAL, 1924 . . .	233	2	87	64	31	...	26	...	20	17	29	5	281	1.49	0.84	1.09
TOTAL, PRECEDING YEAR.	237	75	92	101	32	12	11	...	29	13	3	19	387	2.47	0.30	1.65
DIFFERENCE . . .	-4	-73	-5	-37	-1	-12	+15	...	-9	+4	+26	-14	-106	-0.98	+0.04	-0.56

APPENDIX III.

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1924.

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number convicted.	Numbers of rules and sections of the Act contravened.	REMARKS.
Assam .	Lakhimpur	1	3	3	Section 21, Special Rules 5, 6, and 9.	
	Do.	3	3	3	Section 21, Special Rule 64.	
	Do.	1	1	1	Section 19 (F), Arms Act.	
	Burdwan	2	2	2	Section 20, General Rule 3 of Notification No. 864-68-20, dated 10th March 1904. .	
	Do.	1	2	2	Section 22 (3) (c), General Rules 3 and 4 (b) and Special Rules 27 and 41.	
Bengal .	Do.	1	1	1	Section (22) (2) (b), General Rule 12 of Government of India Notification No. 864-68-20, dated 10th March 1904.	
	Do.	5	5	3	Section 20, General Rule 1 of Notification No. 11703-108, dated 30th December 1906, as amended by Notification No. 5072-113, dated 1st July 1916, and No. M-493, dated 29th June 1922.	Cases against two accused were withdrawn.
	Do.	1	2	1	Section 21, Special Rules 5 and 7.	Proceedings against the other accused stayed.
	Do.	1	1	1	Section 21, Special Rule 6.	
	Do.	1	1	1	Section 21 and Section 267, Indian Penal Code.	
Bihar and Orissa.	Gya	1	1	1	Section 16.	
	Do.	1	1	1	Section 20, General Rule 1 of Notification No. 11703-108, dated 30th December 1906, as amended by Notification No. M-493, dated 29th June 1922.	

APPENDIX III—*contd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1924—*contd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number convicted.	Numbers of rules and sections of the Act contravened.	REMARKS.
Bihar and Orissa.	Hazaribagh	7	8	6	Section 20, General Rule 1 of Notification No. 11733-103, dated 30th December 1908, as amended by Notification No. M-493, dated 29th June 1922.	Two cases were withdrawn.
	Do.	1	3	2	Section 20, General Rules 6 (a), 17 and 18.	Case against one accused was withdrawn.
	Do.	1	1	1	Section 15 of Indian Mines Act, 1923.	
	Manbhum	1	5	5	Section 22 (3) (e), General Rule 1 (a).	
	Do.	1	1	1	Section 20, General Rule 3.	
	Do.	1	4	4	Section 20, General Rules 4, 7 and 19.	
	Do.	1	3	1	Section 22 (3) (e), General Rule 8.	Two accused were acquitted.
	Do.	5	6	4	Section 20, General Rule 12 of Notification No. 864-68-20, dated 10th March 1904.	One accused was acquitted, and the case against the other was withdrawn as he could not be extradited for taking his residence in an Indian State.
	Do.	1	1	1	Section 15 of Indian Mines Act, 1923, read with General Rule 47, made under section 20 of the Indian Mines Act, 1901.	
	Do.	2	2	1	Section 20, General Rule 19.	One accused v acquitted.

APPENDIX III—*contd.*

Statement of Prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1924—*contd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number convicted.	Number of rules and sections of the Act contravened.	REMARKS.
Bihar and Orissa.	Manbhum . . .	1	2	2	Section 22 (3) (e), General Rule 47, Government of India Notification No. 2968-82, dated 21st April 1906, as amended by Notification No. M-1-11, dated 20th October 1920.	
	Do.	1	2	1	Section 22 (1) (e), General Rule 13 (b) and Special Rule 5.	One accused was acquitted.
	Do.	1	2	...	Section 21, Special Rule 5 and Section 287, Indian Penal Code.	The accused were acquitted.
	Do.	1	1	1	Section 21, Special Rule 6.	
	Do.	1	2	2	Section 21, Special Rule 80, 82 and 83.	
	Do.	1	1	1	Section 35 (e) of the Indian Mines Act, 1923.	
	Do.	8	12	10	Section 20, General Rule 1 of Notification No. 11798-103, dated 30th December 1908, as amended by Notification No. M-498, dated 29th June 1922.	Two cases were withdrawn.
Burma	Monghyr	2	2	2	Do. do. do.	
	Singbhum	1	1	1	Section 304-A, Indian Penal Code.	
	Mergui	1	1	1	Section 20, General Rule 1 of Notification No. 11708-103, dated 30th December 1908, as amended by Notification No. M-498, dated 29th June 1922.	
	Tavoy	1	1	...	Do. do. do.	Case withdrawn.
	Thatan	1	1	1	Section 236, Indian Penal Code.	

APPENDIX III—*concl'd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1924—*concl'd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number convicted.	Number of rules and sections of the Act contravened.	REMARKS.
Central Provinces.	Balaghat . . .	1	1	1	Section 20, General Rule 8.	
	Do.	1	2	...	Section 20, General Rules 18 and 19.	The accused were acquitted on appeal.
	Ghanda	1	1	...	Section 20, General Rules 8 and 9.	Case withdrawn.
	Chhindwara . .	1	2	...	Section 20, General Rule 9 read with Sections 16 (1) and 39 of the Indian Mines Act, 1923.	The accused were acquitted.
	Do.	1	2	1	Section 20, General Rule 19.	One of the accused was acquitted.
	Do.	1	2	1	Section 21, Special Rule 34.	One accused could not be traced.
	Jubbulpore . .	1	1	1	Section 20, General Rule 1 of Notification No. 11703-103, dated 30th December 1908, as amended by Notification No. M-496, dated 29th June 1922.	
Rajputana . . .	Ajmer-Merwara.	1	1	...	Do. do. do.	Accused was acquitted.

APPENDIX IV.

MISCELLANEOUS.

Statement No. 1.

List of Inspection Circles.

No. 1 Circle.	No. 2 Circle.
1. All mines in Beluchistan.	1. All mines in Assam.
2. All mines in Bihar and Orissa except mines in the district of the Sonthal 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 Sonthal 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 Central Provinces.
	7. All mines in Madras.

Statement No. 2.

Names of persons to whom first and second class certificates to manage a coal mine were granted during the year 1924.

(a) Certificates granted to holders of English certificates of competency.

FIRST CLASS.

NAME.	No. of Indian certificate.	Date of Indian certificate.	No of English certificate.	Date of English certificate.
Aldis, Gerald	305	13th February 1924 .	1173	12th August 1922.
Gregory, Thomas	308	Do.	726	22nd January 1920.
Inman, William St. John	307	Do.	251	26th January 1916.
Anderson, Esau Frothero	308	9th April 1924	863	12th February 1921.
Morgan, Leonard	309	Do.	1078	30th January 1922.
Robertson, Thomas	310	Do.	1255	3rd February 1923.
McCrae, James	311	2nd May 1924	472	24th January 1918.
Reynolds, Herbert James Blackmore.	312	Do.	1193	12th August 1922.

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

Names of persons to whom first and second class certificates to manage a coal mine were granted during the year 1924—*contd.*

(b) Certificates of competency.

FIRST CLASS.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Roy, Debi Prasanna	167	9th April 1924	
Ramsay, Robert Brakine	168	Ditto	
Roy Choudhury, Sanil Krishna	169	Ditto	
Cornish, Charles Philip	170	Ditto	
Shome, Makhan Lall	171	Ditto	
Walker, Clarence James	172	Ditto	
Chatterjee, Kalipada	173	Ditto	
Davies, John William	174	Ditto	
Franss, Donald Joseph Bruce	175	Ditto	
Ghosh, Siba Mohan	176	Ditto	

(a) Certificates granted to holders of English certificates of competency.

SECOND CLASS.

Name.	No. of Indian certificate.	Date of Indian certificate.	No. of English certificate.	Date of English certificate.
		<i>Nil.</i>		

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

Names of persons to whom first and second class certificates to manage a coal mine were granted during the year 1924—*concl'd.*

(b) Certificates of competency.

SECOND CLASS.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Sarkar, Dharendra Nath	340	2nd May 1924	
Mullick, Surendra Nath	341	Ditto	
Mitra, Gokul Chandra	342	Ditto	
Mitra, Kali Charan	343	Ditto	
Mukherjee, Nalini Mohan	344	Ditto	
Mozumdar, Jamini Mohan	345	Ditto	
Roy Chondhury, Dhanindra Nath	346	Ditto	
Roy, Heramba Kumar	347	Ditto	
Sarkar, Prafulla Kumar	348	Ditto	
Mukherjee, Lakshmi Kinkar	349	Ditto	
Bhattacharjee, Sati Bhusan	350	Ditto	
Dutt, Prafulla Kumar	351	Ditto	
Roy, Sasti Pada	352	Ditto	
Gupta, Pramoda Chandra	353	Ditto	
Nath, Chandra Kumar	354	Ditto	
Banerjee, Sudhansu Mohan	355	Ditto	
Bhaduri, Susil Kumar	356	Ditto	
Gupta, Shishir Kumar	357	Ditto	
Hollow, Augustus Vivian	358	Ditto	
Sarkar, Bidhu Bhusan	359	Ditto	
Sen, Dwije Pada	360	Ditto	
Ghosh, Nagendra Nath	361	Ditto	
Mozumdar, Pranaya Bhusan	362	Ditto	
Banerjee, Sudhir Kumar	363	Ditto	
Dickinson, Reginald William	364	Ditto	
Das, Brajendra Nath	365	Ditto	
Mukherjee, Biraj Mohan	366	Ditto	
Ganguly, Shanti Ram	367	Ditto	
Nath, Protap Chandra	368	Ditto	

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

Statement No. 3.

GOVERNMENT OF INDIA.

DEPARTMENT OF INDUSTRIES AND LABOUR.

Simla the 26th July 1924.

NOTIFICATION.

No. M-1051.—In exercise of the powers conferred by sub-section (1) of section 46 of the Indian Mines Act, 1923 (IV of 1923), the Governor-General in Council is pleased to exempt the mines, groups of mines, classes of mines and parts of mines specified in the first column of the annexed Schedule from the operation of such provisions of the said Act as are specified in the corresponding entry in the second column thereof.

Schedule.

1. Mines of *kankar*, *murum*, laterite, gravel, sand, clay, fire-clay, kaolin (china clay), stone, earth, fuller's earth, bauxite, slate and limestone.

All.

Provided that the depth of the excavation measured from the level of the adjacent ground nowhere exceeds 20 feet and that not more than 50 persons are employed at any one time in or about the mine:

Provided further that this exemption shall not apply to—

- (a) china clay quarries in the Delhi Province,
- (b) slate mines in the Province of the Punjab,
- (c) slate mines in the Monghyr District of the Province of Bihar and Orissa,
- (d) limestone mines in the Shahabad District of the Province of Bihar and Orissa.

- (e) the following mines in the Central Provinces, namely—
 - (i) Clay pit No. 1 in the pottery works of Messrs. Burn & Co., in the Jubbulpore District.
 - (ii) Clay pits Nos. 1, 2, 3 and 4 in the pottery works of the Perfect Pottery Co., at Polipathar in the Jubbulpore District.
 - (iii) Clay pit No. 1 in the pottery works of the Perfect Pottery Co., at Garha in the Jubbulpore District.
 - (iv) Tikuri china clay, No. 1 mine, in the works of the Katni Cement and Industrial Co., at Tikuri in the Jubbulpore District.
 - (v) Limestone quarries at Katni in the Jubbulpore District.

2. Borings and oil wells . . . All.

3. Mines or parts of mines in which excavation is being carried out for prospecting purposes only and not for the purpose of obtaining minerals for use or sale: All.

Provided that—

- (i) not more than 20 persons are employed in or about such excavation;
- (ii) no part of the excavation extends beneath the superjacent ground; and
- (iii) the depth of the excavation measured from the level of the adjacent ground nowhere exceeds 20 feet or, in the case of an excavation for coal, 50 feet.

4. The following mines in the North-West Frontier Province, namely :—	All.	6. The following mines in the province of Bihar and Orissa, namely :—	All.
(i) Salt mines in the Kohat District.	All.	(i) The coke factory of the Burrakar Coal Co., Ltd., at Loyabad in the Manbhum District.	All.
5. The following mines in the province of Burma, namely :—	The provisions contained in sections 23 and 28.	(ii) The coke factory of the Barari Coke Co., Ltd., at Kendwadih in the Manbhum District.	All.
(i) Native ruby mines in the Katha District.	All.	(iii) The coke factory of the Eastern Coal Co., Ltd., at Bhowra in the Manbhum District.	All.
(ii) All mines in the Federated Shan States.	All.	(iv) The coke factory of the Lodna Colliery Co., Ltd., at Lodna in the Manbhum District.	All.
(iii) The ore-dressing plant of the Burma Corporation, Ltd. at Namtu, Northern Shan States.	All.	(v) The coke factory of the East Indian Railway Co., at Giridih in the Hazaribagh District.	All.
(iv) Separating plant of Quah Chen Guan in Tavoy town in the Tavoy District.	All.		
(v) Separating plant of Messrs. The High Speed Steel Alloys in Tavoy town in the Tavoy District.			

A. H. LEY,

Secretary to the Government of India.

A copy is forwarded to all local Governments and Administrations for information, with the remark that a further communication, explanatory of the notification, will follow.

A copy is also forwarded to the Chief Inspector of Mines in India; Director, Geological Survey of India; Railway Department (Railway Board);

Department of Education, Health and Lands; General Board of Revenue; Secretary, Indian Mining Association; Secretary, Indian Mining Federation; Honorary Secretary, The Association of Colliery Managers in India, and the Joint Honorary Secretary, Mining and Geological Institute of India, for information.

By order, etc.,

J. P. GANGULI,

Asst. Secy. to the Govt. of India.

APPENDIX IV—*contd.*MISCELLANEOUS—*contd.*

Statement No. 4.

RULES MADE BY THE GOVERNMENT OF BIHAR AND ORISSA.

The 8th September 1924.

No. 2608—VIIM-2-Com.—In exercise of the powers conferred by section 30 of the Indian Mines Act, 1923 (IV of 1923), the Governor in Council is pleased to make the following rules:—

RULES FOR COAL MINES.

CHAPTER I.

SANITARY AND HEALTH PROVISIONS.

1. At every mine a sufficient supply of wholesome drinking water shall be provided on the surface and, if the Local Government so directs in the case of any mine or class of mines, also below ground at points reasonably accessible to the persons employed.
2. At every mine arrangements shall be made for keeping all the underground working places and travelling roads clean from *excreta*.
3. If the Local Government so directs, latrine and urinal accommodation shall be provided in the case of any mine or class of mines, either on the surface only or both on the surface and in the underground workings of the mine, and, in the case of latrines, the accommodation shall not be less than one seat for every 50 employees.
4. Every latrine erected on the surface for the use of the work-people of a mine shall be so partitioned off as to secure privacy and, if a latrine intended for the use of one sex adjoins a latrine intended for the use of the other sex, the approaches shall be separate.
5. All latrines in or about a mine shall be kept in a sanitary condition.

CHAPTER II.

AMBULANCE, FIRST-AID AND RESCUE WORK.

6. It shall be the duty of the owner, agent and manager of a mine to see that adequate arrangements are made for the training of men in ambulance work.

7. In every mine in which fifty persons or more are employed underground during any period of 24 hours, one or more of the persons employed according to the subjoined scale shall be trained in ambulance work to the standard of St. John's First Aid Certificate:—

Where the number of persons employed underground during any period of 24 hours—

- does not exceed 100, not less than one person,
- exceeds 100 but does not exceed 200, not less than two persons,
- exceeds 200 but does not exceed 300, not less than three persons,
- exceeds 300 but does not exceed 400, not less than four persons,
- exceeds 400 but does not exceed 500, not less than five persons,
- exceeds 500, one person for every completed hundred of persons employed :

Provided that this rule shall not come into force until the 1st day of July 1927.

8. In or at every mine in respect of which section 18 of the Act applies, there shall be provided and kept in good condition and ready for immediate use at a convenient place on the surface and also, if the Chief Inspector by an order in writing so directs in the case of any mine, underground—

- (a) a suitably constructed stretcher or stretchers, and
- (b) a box or boxes containing a sufficient supply of suitable splints and bandages, adhesive plaster, boracic vaseline, cotton wool and tincture of iodine or other suitable antiseptic solution.

CHAPTER III.

REGISTRATION OF WORK-PEOPLE.

9. The register of all persons employed in the mine, of their hours of work, of their days of rest, and of the nature of their respective employments as required by section 28 of the Act shall be maintained in the form shown in Schedule A.

10. For the purpose of section 28 (a) read with section 23 (c) of the Act, all work of persons employed below ground shall be reckoned from the time such persons leave the surface of the mine to the time at which they finally return thereto at the end of the period of employment.

11. The following persons shall be deemed to be persons holding positions of supervision or management or employed in a confidential capacity, within the meaning of section 24 of the Act :—

- (a) assistant managers, under-managers, or overman or any person holding position under the manager equivalent to assistant manager, under-manager or overman ;
- (b) mechanical engineers or engine-wrights or electricians ;
- (c) surveyors ;
- (d) clerks, accountants and time-keepers.

CHAPTER IV.

SAFETY OF SURFACE.

12. If the owner, agent or manager of a mine intends to commence or extend any mining operations under his control at or to any point within 50 yards of any ground on which buildings other than public works in respect of which the Local Government may have issued any general or special order under clause (a) of section 29 of the Act, tanks, reservoirs, rivers, canals or other structures or works are situated, he shall not less than 60 days before commencing to carry out his intention give notice in writing to the Local Government and to the Chief Inspector.

13. If the operations in respect of which notice is given under rule 12 are not commenced within 12 months from the expiry of the period of 60 days therein referred to, the notice shall be held to have expired and the provisions of that rule shall apply as if no such notice had been given.

14. The notice to be given under rule 12 shall specify the position of the workings of the mine in relation to the buildings, tanks, reservoirs, rivers, canals or other structures or works, the manner in which it is proposed to carry out the intended new operations, the limits to which it is proposed to carry the said operations and whether the operations are actually in progress and shall include a plan showing the existing and the intending operations in so far as they affect the structures or works in question.

15. Any place in or about an excavation which is dangerous shall be made safe or shall be kept securely fenced. Should any doubt arise as to whether a place is dangerous or not, the opinion of an Inspector or of the District Magistrate shall be conclusive on the point.

16. Where an excavation, which has been formed as the result of any mining operation, extends within fifty feet of a public road or dwelling house, and persons are likely to be endangered thereby, substantial fencing shall be erected and maintained around the excavation.

17. Where as the result of the mining operations a subsidence of the surface has taken place or is likely to take place, and persons are likely to be endangered thereby, the dangerous area shall be kept fenced on the surface.

CHAPTER V.

ABANDONMENT OF MINES.

18. In the case of any mine which is abandoned or the working of which is discontinued, the owner, agent or manager of the mine shall be bound, before the mine is finally abandoned or immediately after the working thereof has been discontinued, to cause the top or entrance of every shaft and opening into the mine to be fenced by a structure of a permanent character sufficient to prevent persons inadvertently falling into or entering the shafts or openings.

19. When the workings of any mine or part of a mine which are underground on which is situated property vested in His Majesty or any local Authority or any Railway Company as defined in the Indian Railways Act, 1890, are discontinued or abandoned, intimation in writing shall be sent by the owner to the Chief Inspector within 16 days of the date of such discontinuance or abandonment.

RULES FOR MINES OTHER THAN COAL MINES.

CHAPTER I.

SANITARY AND HEALTH PROVISIONS.

1. At every mine a sufficient supply of wholesome drinking water shall be provided on the surface and, if the Local Government so directs in the case of any mine or class of mines, also below ground at points reasonably accessible to the persons employed.
2. At every mine where the Chief Inspector so directs arrangements shall be made for keeping all the underground working places and travelling roads clean from *excreta*.
3. If the Local Government so directs, latrine and urinal accommodation shall be provided in the case of any mine or class of mines, either on the surface only or both on the surface and in the underground workings of the mine, and, in the case of latrines, the accommodation shall not be less than one seat for every 60 employees.
4. Every latrine erected on the surface for the use of the work-people of a mine shall be so partitioned off as to secure privacy, and, if a latrine intended for the use of one sex adjoins a latrine intended for the use of the other sex, the approach shall be separate.
5. All latrines in or about a mine shall be kept in a sanitary condition.

CHAPTER II.

AMBULANCE, AND FIRST-AID WORK.

6. The Chief Inspector of Mines may by order in writing require the owner, agent, and manager of a mine to see that adequate arrangements are made for the training of men in ambulance work.
7. In every mine in which fifty persons or more are employed underground during any period of 24 hours, the Chief Inspector of Mines may by order in writing require that one or more of the persons employed according to the subjoined scale shall be trained in ambulance work to the standard of St. John's First-Aid Certificate:—

Where the number of persons employed underground during any period of 24 hours—

- does not exceed 100 not less than one person,
- exceeds 100, but does not exceed 200, not less than two persons,
- exceeds 200 but does not exceed 300, not less than three persons,
- exceeds 300 but does not exceed 400, not less than four persons,
- exceeds 400 but does not exceed 500, not less than five persons,
- exceeds 500, one person for every completed hundred of persons employed :

Provided that this rule shall not come into force until the 1st day of July 1927.

8. In or at every mine in respect of which section 18 of the Act applies, there shall be provided and kept in good condition and ready for immediate use at a convenient place on the surface, and also, if the Chief Inspector by an order in writing so directs in the case of any mine, underground—
 - (a) a suitably constructed stretcher or stretchers, and
 - (b) a box or boxes containing a sufficient supply of suitable splints and bandages, adhesive plaster, boric vaseline, cotton wool and tincture of iodine or other suitable antiseptic solution.

CHAPTER III.

REGISTRATION OF WORK-PEOPLE.

9. The register of all persons employed in the mine, of their hours of work, of their days of rest, and of the nature of their respective employments as required by section 23 of the Act shall be maintained in the form shown in Schedule A.

10. For the purposes of section 23 (a) read with section 23 (e) of the Act, all work of persons employed below ground shall be reckoned from the time such persons leave the surface of the mine to the time at which they finally return thereto at the end of the period of employment.

11. The following persons shall be deemed to be persons holding positions of supervision or management or employed in a confidential capacity within the meaning of section 24 of the Act :—

- (a) any official in charge of any mine or part of a mine ;
- (b) mechanical engineers or engine-wrights or electricians ;
- (c) surveyors ;
- (d) clerks, accountants and time-keepers.

CHAPTER IV.

SAFETY PROVISIONS.

12. Any place in or about an excavation which is dangerous shall be made safe or shall be kept securely fenced. Should any doubt arise as to whether a place is dangerous or not, the opinion of an Inspector or of the District Magistrate shall be conclusive on the point.

13. Where an excavation, which has been formed as the result of any mining operation, extends within fifty feet of a public road or dwelling house and persons are likely to be endangered thereby, substantial fencing shall be erected and maintained around the excavation.

14. Where as a result of mining operations a subsidence of the surface has taken place or is likely to take place, and persons are likely to be endangered thereby, the dangerous area shall be kept fenced on the surface.

15. In the case of any mine which is abandoned or the working of which is discontinued, the owner, agent or manager shall be bound, before the mine is finally abandoned, or immediately after the working thereof has been discontinued, to cause the top or entrance of every shaft and opening into the mine to be fenced by a structure of a permanent character sufficient to prevent persons inadvertently falling into or entering the shafts or openings.

CHAPTER VI.

MISCELLANEOUS.

17. Sufficient materials and appliances shall be kept in stock for the proper carrying out of all necessary operations in a manner consonant with the provisions of the Act, regulations, rules and bye-laws.

18. No person shall without the consent of the manager take or consume any intoxicating drink or drug while at work in or about a mine, and no person shall enter or may be in or about a mine in a state of intoxication.

19. All plans and books which are required to be kept under the regulations, these rules and the bye-laws and the prescribed abstract of the Indian Mines Act, 1923, and of the regulations, rules and bye-laws applicable to the mine shall be kept at an office or other building as near as conveniently may be to and used in connection with the working of the mine, and shall be produced on the request of the Chief Inspector or an Inspector or any person authorized in that behalf by the Local Government.

20. The originals, or true copies, of all reports, made in conformity with the Act or with the regulations, rules or bye-laws, shall be maintained at the mine for a period of twelve months after having been made.

21. No person shall pull down, injure or deface any abstract of the Indian Mines Act, 1923, or any copy of the regulations, rules or bye-laws made thereunder which is posted up at any mine or any notice posted up in pursuance of the regulations of the mine.

SCHEDULE A.

Register of work persons (section 28 of the Indian Mines Act, 1923).

Name of Mine _____

Name of Owners _____

Week commencing _____

Name.	Age and sex.	Father's name.	Cast or religion.	Nature of work.	DURING THE WEEK ENDING 19 .		
					Number of days worked.	Number of hours worked.	Days of rest enjoyed.
1	2	3	4	5	6	7	8

By order of the Governor in Council,

J. R. DAIN,*Secretary to Government.*

APPENDIX IV—*concl'd.*

MISCELLANEOUS—*concl'd.*

STATEMENT No. 4.

Rule made by the Government of Bihar and Orissa.

The 16th January 1925.

No. 120-Com.—In exercise of the powers conferred by section 30 of the Indian Mines Act, 1923 (IV of 1923), the Governor in Council is pleased to make the following rule :—

RULE FOR ALL MINES.

INQUIRY IN THE CASE OF ACCIDENTS.

If a Court of Enquiry appointed under section 21 of the Act finds that the accident was due to any carelessness or negligence on the part of the management, the Court may order the owner, agent or manager of the mine to pay all or any part of the expenses of the enquiry, and the amount so directed to be paid may, on application by the Chief Inspector or an Inspector to a Magistrate having jurisdiction at the place where the mine is situated or where such owner, agent or manager is for the time being resident, be recovered by the distress and sale of any movable property within the limits of the Magistrate's jurisdiction belonging to such owner, agent or manager.

By order of the Governor in Council,

J. R. DAIN,

Secretary to Government.