



# INDIAN MINES ACT, 1923

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*Before the Government*

## ANNUAL REPORT

OF THE

# CHIEF INSPECTOR OF MINES IN INDIA

FOR THE YEAR ENDING

## 31st DECEMBER 1942

(ABRIDGED EDITION)



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FROM

W. KIRBY, Esq., B. Sc., M. I. MIN. E.,  
CHIEF INSPECTOR OF MINES IN INDIA.

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,  
DEPARTMENT OF LABOUR,  
NEW DELHI.

Dated Dhanbad, the June 1943.

SIR,

I have the honour to submit the report upon the inspection of mines in British India for the year ending 31st December 1942.

### INTRODUCTION.

The Indian Mines Act, 1923, applies to British India only and not to the Indian States. 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 annually 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. Detailed information of the mineral industries in Mysore—where the Kolar gold field is situated—and Hyderabad (Nizam's Dominions) is given in the annual reports of the Chief Inspector of Mines in those States.

### SECTION III—ACCIDENTS.

During the year 1942 at mines regulated by the Indian Mines Act, 1923, there were 287 fatal accidents which is 27 more than in 1941 and 38 more than the average number in the preceding five years.

The causes of the fatal accidents have been classified as follows:—

	No. of fatal accidents.	Percentage of total number of fatal accidents.
Misadventure . . . . .	233	81.18
Fault of deceased . . . . .	20	6.97
Fault of fellow workmen . . . . .	5	1.74
Fault of subordinate officials . . . . .	22	7.67
Fault of management . . . . .	7	2.44
Faulty material . . . . .	..	..
Total . . . . .	287	100.00

I have analysed the serious accidents and find that out of the total of 1,522 persons seriously injured 5 were permanently and totally disabled; 81 were permanently partially disabled, and 1,436 were only temporarily disabled.

In addition, it was reported that 10,871 persons received minor injuries which necessitated the enforced absence from work for a period exceeding forty-eight hours.

*Explosions and Ignitions of Fire-damp and Coal-Dust.*—There was one serious accident by ignition of fire-damp.

*Falls of roof and sides.*—Falls of roof and sides caused 174 fatal accidents and 327 serious accidents. As compared with the figures under this head in the previous year the total number of accidents increased from 471 to 501; the number of persons killed increased from 191 to 204; and the number of persons seriously injured increased from 332 to 343. In one case six lives, in one case five lives, in one case four lives, in one case three lives and in two cases two lives were lost in depillaring areas; also in one case three and in five cases two lives were lost in galleries by falls of roof. The accidents by falls of sides include one in which three persons, four in which two persons were killed in depillaring areas; one in which two persons were killed in galleries; also in one case two lives were lost in open workings.

*In Shafts.*—There were 12 fatal accidents and 18 serious accidents in shafts, as compared with 12 fatal accidents and 34 serious accidents in the previous year.

*Suffocation by gases.*—There was one fatal accident by suffocation by gases.

*Explosives.*—There were 13 fatal accidents and 24 serious accidents caused by explosives. In the previous year the figures were 12 and 27, respectively.

*Irruption of water.*—There were two fatal accidents by irruption of water.

*Haulage.*—There were 36 fatal accidents and 285 serious accidents on haulage roads. The accidents due to haulage have been classified as follows :—

	Fatal.	Serious.	Total.
Haulage rope breaking . . . . .	1	3	4
Coupling chains and hooks breaking . . . . .	2	..	2
Drawbars breaking . . . . .	..	..	..
Couplings becoming detached . . . . .	4	2	6
Riding on sets (authorised) . . . . .	1	12	13
Riding on sets (unauthorised) . . . . .	6	2	8
Allowing the tubs to run uncontrolled . . . . .	2	11	13
While hand tramping tubs . . . . .	3	44	47
While guiding tubs on a curve . . . . .	1	7	8
Following derailment or re-railing tubs . . . . .	4	53	57
While coupling or uncoupling . . . . .	..	23	23
While resting on or loitering about haulage roads or tramping levels . . . . .	3	11	14
Crushed against tubs, sides of roadways, doors, etc. . . . .	2	15	17
While spragging moving tubs . . . . .	1	25	26
Unclassified . . . . .	6	77	83
<b>Total . . . . .</b>	<b>36</b>	<b>285</b>	<b>321</b>

I give below a table showing the fatal and serious accidents on haulage roads during the last five years :—

	Fatal.	Serious.
1938 . . . . .	40	257
1939 . . . . .	38	280
1940 . . . . .	32	307
1941 . . . . .	38	314
1942 . . . . .	36	285

It will be seen that there has been an improvement both in fatal and serious accidents, as compared with the preceding year.

Although there was a decided reduction in the number of serious accidents due to the breaking of coupling chains and hooks and fatal accidents due to the breaking of haulage ropes, the serious accidents due to the breaking of haulage ropes increased. On the whole there was an improvement in the number of accidents under the first three headings in the classification given above, which include all accidents due to a break down in material. As accidents of this type often prove fatal this is a welcome improvement.

The accidents due to riding on sets, especially due to authorised persons riding on sets, have steadily increased, there being 7 fatal and 14 serious accidents in 1942, as compared with 3 fatal and 11 serious accidents in 1941. As the accidents due to unauthorised persons riding on sets are avoidable I have to invite attention to my remarks in the annual report for the last year where it was pointed out that most of these accidents could be avoided by stricter supervision on the part of officials. When unauthorised persons are discovered riding on sets, suitable action should be taken with a view to preventing a recurrence of this illegal riding.

There has been a gradual decrease in the number of accidents due to couplings becoming detached and it is hoped that a further reduction in this type of accident will follow due to a more extensive use of suitable types of couplings as suggested in my Annual Report for the year 1938.

It is encouraging to note that the accidents under the other headings, except the heading "Unclassified" reveal an appreciable improvement. It is hoped that a further reduction in the number of accidents due to these causes will be effected by devoting more attention to the following points :—(a) properly laying tracks and curves and keeping the haulage roads clean; (b) by educating trammers and other haulage attendants to observe "safety first" principles and greater vigilance on the part of subordinate officials; (c) extensive use of interlocked stop blocks and runaway switches; and (d) providing an adequate number of suitable type of iron sprags at convenient places.

*Underground Machinery.*—Four fatal and 19 serious accidents were caused by underground machinery.

*Sundries Underground.*—Eighteen fatal accidents and 452 serious accidents were due to miscellaneous causes underground.

*Surface Machinery.*—One fatal accident and 20 serious accidents were caused by surface machinery.

*Surface Railways and Tramways.*—Fifteen fatal accidents and 196 serious accidents took place on surface railways and tramways.

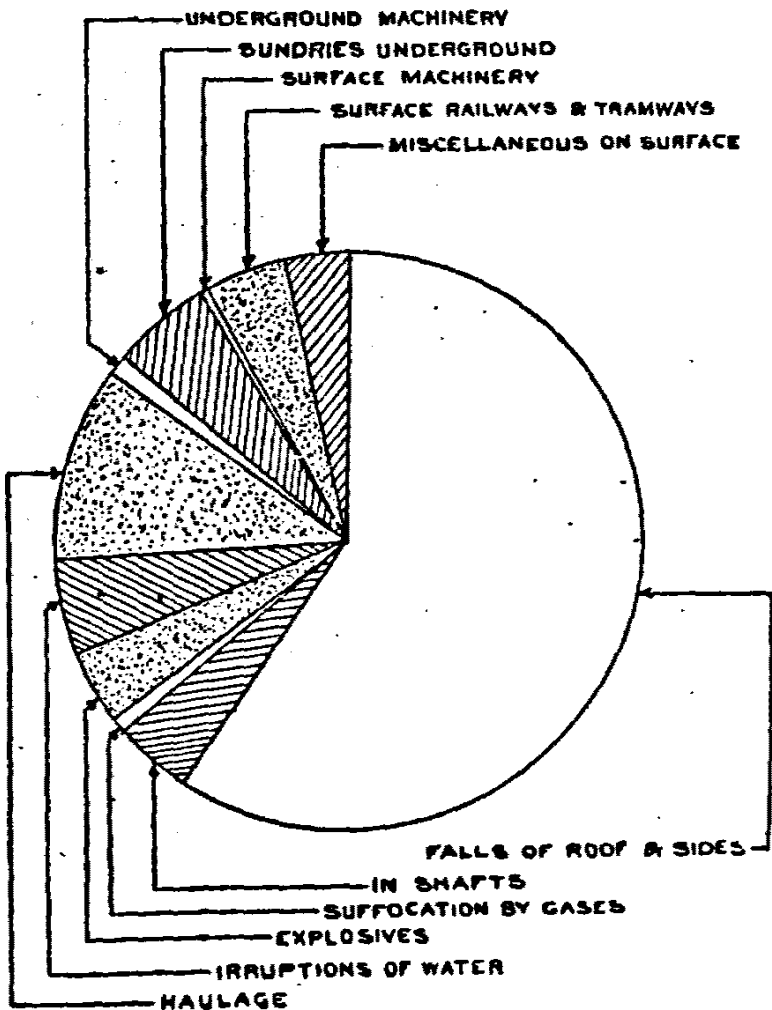
*Electricity.*—There were three serious accidents attributable to the use of electricity.

*Miscellaneous on the surface.*—Twelve fatal accidents and 110 serious accidents of this kind took place on the surface.

*Accidents excluded from the statistics.*—Twenty-six accidents, causing 28 deaths, were excluded from the statistics for reasons which are given in Appendix II.

The accompanying chart shows the relative importance of the various causes of accidents in coal mines during 1942.

**CHART SHOWING  
DISTRIBUTION OF CAUSES OF PERSONS KILLED IN AND ABOUT  
COAL MINES IN THE YEAR 1942**



A list of the fatal accidents appears in Appendix II, Table I, where each is briefly described. The details of certain accidents are reported at greater length as follows:—

#### FALL OF ROOF.

##### *No. 90. Messrs. Banerjee Santan's Jotejanaki Khas coal mine.*

(Six persons killed.)

The Jotejanaki seam at this mine is 20 feet thick and lies about 250 feet below the Konda seam. The middle 14 feet of the Jotejanaki seam was worked during the first operation by the ordinary "pillar and stall" method of working, leaving about 3 feet of coal on the floor and 3 feet in the roof.

The system of pillar extraction was to split each pillar into four parts before extraction, and the splitting and extraction which had been done at the place of accident on the pillar "C" is shown on Plan No. 1. The pillar "E" had been extracted. Two days before the accident the two quarters (1 and 2) of the pillar "C" had been completely extracted, and this goafed area was fenced off by means of a wire fence "F" in accordance with the regulations. All timber supports had been withdrawn from this goafed area as was the general practice. Work was also in progress on pillar "D". When the timber supports are withdrawn from the goaf, the roof coal usually falls after a little time, and is left in the goaf. The overman-in-charge inspected the place of accident only a quarter of an hour before the occurrence, when the gang of miners was working at the appointed working place—the third quarter (3) of pillar "C" and conditions were normal with the fence "F" in position, and the inferior roof coal lying on the floor inside the fence.

The accident took place when the third quarter (3) of the pillar "C" was under extraction. The deceased belonged to a gang of seven miners, who were employed on the relay which ended at 7 A.M. When they came on to work at 10 P.M. on night previous to morning of accident, they were set to work by the sirdar on the third quarter—marked (3) on Plan No. 1 on pillar "C". The gang to which the deceased belonged received warning that the end of the relay was approaching, and they had one more empty tub to load. This they wanted to complete before leaving the mine, but as there was not enough time to get this coal from the 'stook' (3), which they were extracting, all of them crossed the fence "F", went 13 feet inside the goafed area and started loading the roof coal which had fallen since the place was fenced off, when a mass of shale, measuring 11' x 9' x 6", fell suddenly from the roof at a height of about 17 feet. Three of the gang were killed outright and three more succumbed to their injuries after their removal to the surface, while the remaining miner received minor injuries.

There was nothing unusual either before or at time of this accident. After the 'stooks' (1) and (2) marked on Plan No. 1 had been extracted and the props withdrawn, falls of roof were expected any time inside the goaf, and in fact, the first minor fall had occurred two days previous, bringing down with it the inferior coal that was left in the roof. Immediately the quarters (1) and (2) of the pillar "C" had been removed and the supports withdrawn, this area was considered dangerous, and was, therefore, fenced-off in compliance with the regulations.

This accident was due entirely to the fault of the deceased as they should not have contravened the regulations by entering the fenced-off goaf.

##### *No. 5. The Government of India, State Railway Coal Department's Kurhurbaree coal mine.*

(Five person killed and five injured.)

This accident occurred in the Kurhurbaree seam. A section of the seam is as follows:—Top coal 4' to 5' thick; stone-band (called middle stone) 1' to 3' thick; and bottom coal 14' to 15' thick. The thickness of the seam and the middle stone vary in various parts of the mine, so also does the nature of the main sandstone roof.

Plan No. 2 shows the workings of "No. 5 North side" district and the area where depillaring operations were being carried out at the time of the accident. The bottom 8' to 10' section of the seam has been developed by driving galleries and pillars formed on centres 80 ft. to 100 ft. apart. The next operation is to heighten the galleries up to the floor of the top coal, preparatory to the extraction of the pillars. The 4 feet of top-coal, when exposed, is supported by erecting props and cogs 3 feet to 5 feet apart. These pillars are then split into four parts



and each part extracted separately. When the extraction of a quarter pillar has been completed, the props and cogs are withdrawn from the goafed area in order to allow the top coal to fall. Usually, it comes down after a few hours. When this top coal does not fall, however, the coal is blasted down. The main roof, thus exposed, is then supported by erecting props and cogs and the fallen coal loaded away. Finally, the supports are withdrawn to encourage the main roof to settle down in the goaf and the process repeated for the extraction of the remaining parts of the pillar.

Details of the scene of the occurrence have been depicted on Plan No. 3. It shows that large number of cogs had been set throughout the depillaring area.

Experience in this district showed that when the roof coal had been left up, it formed a better roof than the main sandstone roof. Therefore, this roof coal was left up as a support to the main roof, while the bottom portion of the seam, including the middle stone, was being extracted. This method of working had been carried out successfully up to the time of the accident.

On 8th January 1942, the Colliery Superintendent inspected the district, including the site of the occurrence, with the manager and the overman, when he drew attention to the 'slip' in the roof and ordered extra cogs and props to be set. His orders were carried out. Later on, the overman considered that the pillar "P" had been reduced to the practical minimum and instructed the deputy overman on 12th January 1942, to withdraw 27 cogs from the area marked "A" leaving a few cogs standing on the edge of the fault. Accordingly, the cogs were withdrawn from that place to allow the 4 feet thick roof coal to collapse over an area, about 20' x 30', so that it could be recovered and loaded out in accordance with the recognised practice. No work was done in this area between the 13th and 15th January, when the roof coal came down, but unfortunately not to the anticipated extent. The limit of this fall has been shown on Plan No. 3 (marked "A").

At 10-30 A.M. on 16th January (the date of the occurrence), the deputy overman examined the area and ordered the sirdar in charge to set a prop and two wooden cogs (these were built with sleepers, having top and bottom sides flattened) with a cross-bar on top, in order to secure the roof coal which was hanging near the gateway, locally called a "bolt-hole". The overman visited the place at 12-20 P.M. the same day when he found that the gang of miners and timbermen, to which the deceased and the injured persons belonged was in the act of setting these roof-supports. He instructed them to dress down any loose bits of coal and also informed them that after the timber had been set and 'jammed' against the roof coal and the place made secure, they could load fallen coal and make room for cogs to be set under the main roof, as they progressed. When the overman re-visited the place after the accident, he found that the timbering ordered to be done in the morning had been completed.

The sirdar in charge was supervising work at a distance of 20 feet from the site of the accident, when the accident happened. He deposed that the gang had set two cogs and a cross-timber along the edge of the roof coal and was erecting another prop, preparatory to setting another cog, when the roof coal fell, killing four men, who were engaged in erecting the prop, and seriously injuring six others, who were cleaning the floor for setting additional roof supports. As the supports did not extend up to the broken end of the roof coal, supports were being set to the edge of the roof coal, when the accident happened. It was during the erection of these supports to the edge of the roof coal when the mass of coal broke away, causing the accident. At the time of the collapse of the roof coal at "A" the fractured end of the coal "B" which did not fall, had parted slightly from the main roof. It is presumed that while the timbering was being done, there was a sudden and unexpected "weighting" from the adjoining goaf which caused the edge of the roof coal to break away over the supports.

It is considered that a sudden and unexpected "weighting" in the adjoining goaf was the cause of the accident.

#### FALL OF SIDE.

No. 166. Messrs. The Dhemo Main Collieries Limited's Dhemo Main coal mine.

(Three persons killed.)

This accident occurred during depillaring operations in the Dishergarh seam, which at this mine varies from 12-15 feet in thickness and dips at 1 in 5 in a south easterly direction. Pillar extraction in the area where the accident occurred was commenced in December 1935 and extraction had been completed for a distance of 1,500 feet along the strike and 500 feet from dip to rise. The "cover" was about 700 feet. On 31st October—date of accident—pillar extraction proceeded normally on the morning and afternoon relays in the district where the accident happened. There were no indications of "weighting" or "bumping" but the night relay had only been in progress for a short time when a severe "bump" occurred and caused approximately 200 tons of coal to fall from the sides of pillars, resulting in the death of

two minors and a timberman. This "bump" occurred suddenly and without any previous warning. "Bumps" had previously occurred in this mine, and the following precautionary measures were being given effect to in order to minimise the serious effect of "bumps":—

(1) For supporting the sides of loading and trimming levels, it was considered that cogs 5 feet square and constructed of rectangular timber, not less than 7" x 4" in cross-section, be set on both sides of the roadways at intervals of not more than 9 feet and staggered;

(2) It was also considered that a single diagonal line of face should be maintained as working on the line of strike would in all probability constitute a line of weakness. Two diagonal faces forming a "V" should be avoided.

It was also considered that a projected sand stowing scheme should be introduced as soon as possible with a view to stow solidly the goaves, and thereby mitigate the effects of "bumps".

#### EXPLOSIVES.

*No. 190. The Ratibaty Collieries Limited's Ratibaty (No. 1 incline) coal mine.*

(One person killed.)

An explosive carrier was carrying a locked canister, containing gunpowder cartridges, along an underground gallery, when he tripped and fell. The lid of the canister was damaged and the cartridges of gunpowder were accidentally ignited by an open light carried by the man, who received fatal burns.

In order to avoid this type of accident it is considered that persons employed for the purpose of carrying explosives should be provided with a safety lamp or an electric torch.

#### HAULAGE.

*No. 235. Messrs. S. C. Cambata & Company, Limited's Rakhikole coal mine.*

(One person killed.)

This accident occurred while a set of loaded tubs was being hauled up a road with a gradient of 1 in 3. A trammer, without authority, was riding on the set, when he appears to have fallen off and was killed.

A number of similar accidents occurred during the year and it appears to me that the dangerous practice of set riding by unauthorised persons could be stopped by stricter supervision on the part of underground officials.

#### IRRUPTION OF WATER.

*No. 188. Messrs. Sarandas Sunda & Others' Pinalgoria coal mine.*

(Four persons drowned.)

This is a small mine and contains Nos. 1 to 7 seams. Nos. 5, 6 and 7 seams, which outcrop in the property are so close together as to be regarded locally as one seam, known as No. 7 seam, which is worked in five sections. A section through the seams is as follows:—

No. 1 Section . . . .	Coal 6 ft. . . . .	} Top section.
	Strata 5 ft. . . . .	
No. 2 Section . . . .	Coal 6 ft. . . . .	} Bottom section.
	Strata 7 ft. . . . .	
No. 3 Section . . . .	Coal 9 ft. . . . .	} Top section.
	Strata 18 ft. . . . .	
No. 4 Section . . . .	Coal 9 ft. . . . .	} Bottom section.
	Strata 1½ to 3 ft. . . . .	
No. 5 Section . . . .	Coal 8 ft. . . . .	

The following details of the accident are given by Mr. N. Barraclough, Deputy Chief Inspector of Mines in India, who held an enquiry into this accident:—"References are made to the fourth and fifth sections of No. 7 seam which are actually the top and bottom sections of No. 5 seam, so in order to avoid confusion I shall ignore the correct numbering of the seams and regard the seams as No. 7 seam with five workable sections. As the coal of the fourth and fifth sections is of somewhat better quality than that of the upper sections work has been confined to these sections for many years. The mine was opened in 1920 and until 1931 it was worked as two separate mines, the eastern part being worked by the Dardha Naubasta Coal Company from Nos. 3 and 4 inclines and the western part by the Rajput Coal Company from Nos. 1 and 2 inclines as shown on Plan No. 4. In 1931, the two mines were amalgamated under the ownership of Khalil Khan. The underground workings from Nos. 1 and 2 incline made by the Rajput Coal Company were in the fifth section. They were abandoned on the

1st June 1925 and appear to have remained unworked and waterlogged since that date. During the ownership of Khalil Khan from 1931 to the 6th October 1941 coal was obtained by quarrying in Nos. 1, 2 and 3 quarries and by gallery driving in the fourth section from Nos. 3 and 4 inclines.

*Account of the Accident.*—At 8 A.M. on the 18th July I reached the mine accompanied by Mr. S. S. Grewal, Junior Inspector of Mines, to commence an enquiry into the accident. An inspection of the mine after the accident revealed that a connection had been made in No. 4 west level off No. 3 incline with the old water-logged workings of Nos. 1 and 2 inclines and there appeared to have been an inrush of water which had been strong enough to lift up about a ton of floor coal in the gallery. At the point where the connection had been effected a small fault ran through the gallery and the floor of No. 4 west level was on the same level as the roof of the gallery in the old workings. Before entering the mine the manager and the sirdar both assured us that no work had been permitted in No. 4 west level. Despite this assurance our inspection revealed fresh pick marks at numerous points near the face of the gallery and there was an overturned 'mug' lamp lying at "A" (see Plan No. 4). As the bodies of the four deceased had not been recovered or located we made a careful inspection along the edge of the water in the dip workings of Nos. 3 and 4 inclines, but were unable to locate them. We were informed that prior to the irruption the water level in the dip workings stood at No. 6 west level. We found the water level at Nos. 5 west level.

After completing our inspection of the workings of Nos. 3 and 4 inclines we returned to the surface and made an inspection of the old workings from Nos. 1 and 2 inclines. The floor of the galleries was covered with soft mud and the workings below the level of the point of irruption were still full of water. It was quite evident that the old workings had been completely filled with water up to the time of the irruption and that the water had extended into No. 3 quarry. The volume of water which entered the workings of Nos. 3 and 4 inclines was approximately 500,000 gallons and the maximum pressure at the point of irruption was 5.6 lbs. per square inch.

On the day of accident, twenty-four miners and loaders went to work underground at about 8-30 A.M. When the accident took place at 4-0 P.M. nine miners and loaders had ceased work and gone out of the mine, five other loaders had gone to the surface with baskets of coal, and eight miners, two loaders and the sirdar were present underground. The miners and loaders who were actually in the mine when the irruption occurred were taken into the mine to point out to us their working places on the day of accident. These are shown on Plan No. 4.

In No. 4 west level in which the connection was made to the water-logged workings, Baran Bouri was driving the advance 'main gallery' at 'A', Gora Kora was cutting floor-coal at 'B', and Hemlal Bouri was cutting coal from the side at 'C'. Churaman Rajwar was driving No. 5 west level and Popla Rajwar was driving the second west dip gallery off No. 5 level. Of these five miners only Popla Rajwar escaped drowning and he saved himself by clinging to the corner of a pillar after being carried by the rush of water along No. 5 level to the main dip of No. 3 incline. The other miners and loaders who were in the mine at the time were working at points above No. 4 level. Seven miners and loaders worked that day in No. 6 west level and it is fortunate that they had ceased work and left their working places before the occurrence as their working places were so situated as to render escape almost impossible.

*Cause of Accident.*—The accident was due to a connection being made to old water-logged workings. The gallery in which the connection was made was advanced without any of the precautions as specified in Regulation 74 of the Indian Coal Mines Regulations being taken or any precaution being taken in conformity with Regulation 75.

Regulations 74 and 75 read as follows:—

*Regulation 74.*—"Where any working has approached within 100 feet of any place containing or likely to contain an accumulation of water or other liquid matter, or within 100 feet of disused workings (not being workings which have been examined and found to be free from accumulation of water or other liquid matter) the working shall not exceed 8 feet in width or height, and there shall be maintained at least one bore-hole near the centre of the working face, and sufficient flank bore-holes on each side, and where necessary, bore-holes above and below the working at intervals of not more than 15 feet. All such bore-holes shall be and shall be constantly maintained at sufficient distance in advance of the working and such distance should in no case be less than 10 feet."

*Regulation 75.*—"Where work is being done in any seam or part of a seam below another seam or part of a seam which contains or may contain an accumulation of water, or where work is being done in an upper seam or part of an upper seam which contains or may contain an accumulation of water, adequate precautions shall be taken against such an irruption of

water into the scars where work is being done as would be likely to endanger the lives of the workmen in the mines."

From Plan No. 4 it will be observed that galleries 'D', 'E' and 'F' were also being advanced towards the water-logged workings. No bore-holes were to be found in the faces of any of these galleries although a subsequent survey proved that the gallery 'D' had been advanced to within 12 feet, the gallery 'E' to within 16 feet and the gallery 'F' to within about 40 feet of the water-logged workings.

Proceedings were instituted against the owner, agent, manager, and sirdar for a contravention of Regulations 74 and 75, in that they permitted galleries to be advanced towards water-logged workings which were shown on the plan maintained at the mine without taking precautions prescribed in these regulations.

*No. 187—Trustees of the late C. B. Patmon and R. S. Lala Ishardass Kapoor's Makerwal coal mine.*

(Fourteen persons drowned.)

The thickness of the coal seam worked at this mine varies from 2' to 10', the average being 3½' only and the gradient is 1 in 2.5. The coal is won by driving inclines through the slope of a hill. Development work had been completed and extraction of pillars was in progress. For facilitating mechanical haulage a cross-cut incline (marked "A" on Plan No. 5) had been opened within a short distance of a "nala" or water course. There was a drop of about 15 feet in the natural bed of the "nala" at the point marked "D". In order to guard against the danger of an irruption of surface water into the mine from the "nala" a stone wall 30.75 feet long  $\times$  4'-0" wide  $\times$  7' to 11' high, was built in the year 1940, along the northern side of the mouth of the cross-cut incline, as shown on Plan No. 6 which gives full details of the protective wall. The wall was reinforced by pitching blocks of stone on its northern side. The bed of the "nala" was kept clear of boulders in order to ensure a free flow of water during the rains. Besides, the assistant and the senior overman were instructed to examine this wall once in eight days to see that it was maintained in good condition. No other precautions were taken as it was considered to be necessary in view of the fact that the mine was supposed to be situated in the "dry zone" and there had not been a heavy shower of rain in this locality within the last five years. At the time of the occurrence, the mine was being worked in the day relay only, which commenced at 7 A. M. and ended at 4 P. M. Fifty-three persons went down the mine, of whom thirty-nine returned to the surface towards the end of this relay. A timberman, Huq Nawaz, was the last person to come out of the mine. While working on No. 6 level, he noticed that surface water was flowing slowly into the mine. He returned to the surface by the "high level" entrance, marked 'B' on Plan No. 5 and found that the protective wall had already been breached. It was raining heavily at that time and he was unable to cross the "nala" for about an hour until the rain abated. He had no knowledge of any work-persons still remaining underground, and he returned to his quarters when the water level in the "nala" had receded sufficiently. An attendance clerk was stationed in his cabin which had been built a few feet above the entrance to the cross-cut incline. He found that with the onset of the torrential rain at about 3 P. M., the hill "nala" soon became overflowed and the flood water carried down with it large boulders and deposited them near the bridge (marked "E" on Plan No. 5) which had been built on the "nala" to take the haulage line into the cross-cut incline. Thus, the water passage was choked at a point (marked 'F' on Plan No. 5) which was opposite to the entrance to the incline. The flood water rose a foot or so above the protective wall and washed away the major portion of it into the mine. Realising that fourteen persons still remained underground, the attendance clerk sent word to the senior overman by a messenger. The senior overman reached the cross-cut incline about half an hour after the irruption of the surface water into the mine, collected a few persons and started to repair the breach in the wall with a view to preventing any more water from entering the mine. The heavy rain ceased after an hour and the level of the water in the "nala" subsided within fifteen minutes. The manager arrived in the meantime and a party was formed to search for the overman-in-charge and thirteen workers who were missing. The party could only go 300 feet down the incline beyond which the road had been blocked up completely by large boulders and debris. Exploration work was continued from other entrances to the mine but the party could not proceed anywhere near the working places of the deceased, owing to the complete choking of some galleries with debris and to the presence of black-damp. Previously, black-damp was detected in some dip galleries. The black-damp made its appearance on upper levels when the dip workings became flooded, a number of the ventilation stoppings were damaged and the main air-course was cut off by the debris. No mechanical ventilator had been installed at the mine. A mechanical ventilator was installed a few days after the accident, and the black-damp was cleared from all the accessible workings.

No body could say where the deceased persons were at the time of the accident. The play was nearing its end and therefore, it is likely that these persons were carried down by the inrush of water to the extreme dip side while they were about to leave their respective working places. A careful search was made by the supervising staff throughout the accessible workings but none of the victims could be found anywhere.

It was a dry mine and the dip workings were practically free from water at time of accident. The water-level immediately after the accident could not be ascertained as it was not possible to proceed beyond No. 6 level on account of the presence of black-damp. It was estimated that about 200,000 c. ft. of water had entered the mine and caused the accident. Pumps were installed and the fourteen bodies recovered.

This was a most unfortunate accident and could not be foreseen as such torrential rain had never before been experienced, and even if the protection wall at the entrance to the incline had been very much stronger the accident would not have been avoided.

Among the precautionary measures suggested to prevent a recurrence of this type of accident it was considered that the "nala" should be diverted clear of the incline openings.

#### SECTION IV—PROSECUTIONS AND AMENDMENTS TO THE ACT, REGULATIONS, RULES AND ORDERS MADE THEREUNDER.

##### (PROSECUTIONS.)

During the year judgments in prosecutions were delivered as follows:—

The two owners of a coal mine in the Jharia coalfield were prosecuted for continuing to work the mine without a duly qualified manager. They were fined Rs. 100 each.

The agent of a coal mine in the Jharia coalfield was prosecuted for continuing to work the mine without a duly qualified manager. He was fined Rs. 500.

The two owners agent and manager of a coal mine in the Raniganj coalfield were prosecuted for including fictitious figures in the annual return submitted by them in January 1942. The charge against one of the owners was dropped owing to his death, while the others were fined Rs. 15 each.

The two owners, agent and manager of a mica mine in the Hazaribagh district were prosecuted for employing females underground. The two owners, manager and attendance clerk of the mine were prosecuted for failing to maintain a correct record in the attendance register. One of the owners and the manager were fined Rs. 100 each, and the attendance clerk Rs. 50. The case against the other owner is pending.

The agent of a coal mine in the Jharia coalfield was prosecuted (1) for continuing to work the mine without a duly qualified manager; (2) for employing females underground and (3) for not maintaining a correct record in the attendance register. The case is pending.

The Managing Director, agent and manager of a mica mine in the Hazaribagh district were prosecuted (1) for employing females underground; and (2) for not maintaining an attendance register. They were fined Rs. 25 each.

The owner of a stone mine in the Mianwali district was prosecuted for continuing to work the mine without a duly qualified manager. The case against him was withdrawn.

The owner and manager of a coal mine in the Jharia coalfield were prosecuted (1) for permitting underground work to be carried out in contravention of an order under Section 19(2) of the Indian Mines Act, 1923; (2) for not maintaining a daily inspection report book; and (3) for not engaging a competent person to supervise the work of the persons employed underground. The owner was fined Rs. 325, and the manager was acquitted.

The owner of a coal mine in the Raniganj coalfield was prosecuted (1) for continuing to work a mine without a qualified manager; (2) for failing to keep the sides of a quarry sloped or stepped; and (3) for failing to have the top of a quarry properly fenced. He was fined Rs. 80.

The owner of a coal mine in the Raniganj coalfield was prosecuted (1) for continuing to work the mine without a duly qualified manager; (2) for allowing the daily inspections of the mine to be made by an unqualified person; and (3) for failing to keep the edges of a quarry securely fenced. He was fined Rs. 50.

The owner of a coal mine in the Raniganj coalfield was prosecuted (1) for continuing to work the mine without a qualified manager; (2) for failing to keep the sides of a quarry sloped or secured; and (3) for failing to keep the edges of discontinued quarries fenced. The case was withdrawn.

The owner of a coal mine in the Jharia coalfield was prosecuted for continuing to work the mine without a duly qualified manager. He was fined Rs. 50.

The Managing Director and manager of a mica mine in the Hazaribagh district were prosecuted (1) for employing females underground; and (2) for failing to maintain an attendance register. They were fined Rs. 25 each.

The two owners and manager of a coal mine in the Jharia coalfield were prosecuted for permitting the use of naked lights in underground workings where there was likely to be inflammable gas, rendering the use of naked lights dangerous. They were fined Rs. 200 each.

An assistant fitter of a coal mine in the Raniganj coalfield was prosecuted for his negligence in allowing a rope to wind unevenly on the drum of a winch which was supporting a scaffold in a shaft, with the result that part of the rope slipped off the drum, causing one side of a scaffold to drop a distance of 8 feet, resulting in an accident in which four persons were killed. The case is pending.

The owner of a coal mine in the Raniganj coalfield was prosecuted (1) for permitting the mine to be worked without a duly qualified manager; (2) for failing to remove the overburden sufficiently far from the edge of a quarry or otherwise make it secure so as to prevent danger to persons employed therein; and (3) for failing to provide a gate at the entrance to an incline. The case was withdrawn owing to the death of the accused.

The two owners of a coal mine in the Raniganj coalfield were prosecuted (1) for allowing the mine to be worked without a qualified manager; (2) for allowing daily inspections of the mine to be made by unqualified persons; and (3) for failing to slope, step or secure the soft sides of open workings so as to prevent danger from falls of side. They were fined Rs. 25 each.

The two owners of a coal mine in the Jharia coalfield were prosecuted for failing to submit a copy of the plan showing the discontinued workings of a mine. The proceedings against them were dropped as they could not be traced.

The owner of a coal mine in the Jharia coalfield was prosecuted (1) for allowing the mine to be worked without a duly qualified manager; (2) for employing two children in the mine; and (3) for failing to provide a second outlet for the mine. The case is pending.

The owner and manager of a coal mine in the Jharia coalfield were prosecuted (1) for employing females underground; and (2) for failing to slope, step or secure the sides of an incline. The owner, manager and attendance clerk of the mine were prosecuted for not maintaining a correct register of persons employed. The case is pending.

The agent of a coal mine in the Jharia coalfield was prosecuted (1) for continuing to work the mine without a duly qualified manager; (2) for failing to maintain a ventilation plan; (3) for failing to maintain an up-to-date plan of the underground workings; and (4) for failing to maintain pillars of dimensions as specified under the regulations. The case is pending.

The owner of a coal mine in the Raniganj coalfield was prosecuted for failing to appoint a duly qualified manager. He was fined Rs. 500.

The agent of a coal mine in the Jharia coalfield was prosecuted for failing to appoint a duly qualified manager. He was fined Rs. 300.

The four owners of a coal mine in the Jharia coalfield were prosecuted for failing to appoint a duly qualified manager. They were acquitted.

The owner of a coal mine in the Jharia coalfield was prosecuted for failing to appoint a duly qualified manager. He was fined Rs. 300.

The owner of a coal mine in the Jharia coalfield was prosecuted for failing to appoint a duly qualified manager. He was fined Rs. 300.

The owner of a coal mine in the Jharia coalfield was prosecuted (1) for failing to appoint a duly qualified manager; and (2) for failing to keep the sides of a quarry properly sloped or stepped. He was fined Rs. 150.

The owner and manager of a coal mine in the Raniganj coalfield were prosecuted (1) for failing to keep the roof of an incline secure, as a result of which a miner was killed by a fall of roof coal; (2) for failing to keep the sides of an incline cutting secure; (3) for failing to maintain an attendance register; and (4) for failing to provide first aid appliances and a stretcher at the mine. The case is pending.

The owner and receiver of a coal mine in the Jharia coalfield were prosecuted (1) for continuing to work the mine without a duly qualified manager; and (2) for failing to keep the sides of a quarry secure. He was fined Rs. 500.

The agent of a coal mine in the Jharia coalfield was prosecuted for failing to appoint a duly qualified manager. The case is pending.

The three owners of a coal mine in the Jharia coalfield were prosecuted for failing to appoint a duly qualified manager. One of the owners was fined Rs. 300, while the case against the other two was withdrawn.

The owner of a coal mine in the Jainty coalfield was prosecuted for failing to appoint a manager having the prescribed qualifications. He was fined Rs. 75.

The five owners of a coal mine in the Jharia coalfield were prosecuted for failing to appoint a duly qualified manager. The case against one of the owners was withdrawn owing to his death, while that against the others is pending.

The managing director of a coal mine in the Raniganj coalfield was prosecuted for failing to appoint a duly qualified manager. The case is pending.

The owner of a coal mine in the Jharia coalfield was prosecuted for failing to appoint a manager having the prescribed qualifications. The case is pending.

The owner, manager and a shot-firer of a mica mine in the Nellore district of Madras were prosecuted by the Collector of Nellore (1) for failing to arrange for statutory inspections of the workings of the mine to be carried out; (2) for failing to take necessary precautions for the safety of persons employed in the mine; and (3) for failing to have a competent person in the mine at the time of drilling shot holes. They were acquitted.

The owner and manager of a mica mine in the Hazaribagh district were prosecuted (1) for employing females underground; (2) for employing children in the mine; and (3) for not maintaining an attendance register. The owner was fined Rs. 50, and the manager Rs. 15.

The owner, agent, manager and sirdar of a coal mine in the Jharia coalfield were prosecuted for driving galleries towards water-logged workings without taking necessary precautions as required by Coal Mines Regulations 74, as a result of which four persons were drowned. The case is pending.

Information was received of the following prosecutions instituted by mine officials against subordinate staff.

Two trammers of a coal mine in the Pench Valley coalfield were prosecuted for riding on tubs without authority. They were fined Rs. 5 each.

Two trammers of a coal mine in the Pench Valley coalfield were prosecuted for riding on tubs without authority. One was fined Rs. 2 and the other absconded.

Two coal-cutters of a coal mine in the Pench Valley coalfield were prosecuted for robbing coal from pillars. They were fined Rs. 5 each.

A miner of a coal mine in the Pench Valley coalfield was prosecuted for setting the haulage engine in motion without being authorised to do so. He was fined Rs. 2.

#### AMENDMENTS TO THE INDIAN MINES ACT AND TO THE REGULATIONS, RULES AND BYE-LAWS MADE UNDER THE ACT.

In Notification No. M-1055 (2), dated the 16th February 1942, the Central Government directed that further amendment shall be made in the Indian Metalliferous Mines Regulations, 1926. The notification is reproduced in Appendix IV, Statement No. 3.

In Notification No. M-1051, dated the 5th March 1943, the Central Government directed that further amendment shall be made in Notification No. M-1051, dated the 20th January 1938, issued by the Government of India, Department of Labour, to the effect that the head, sub-head and entry relating to Assam should be omitted from Appendix I to the Schedule annexed to the latter notification.

In Notification No. M-955, dated the 28th May 1942, the Central Government directed that further amendment shall be made in the Soft Coke Cess Committee Rules with effect from 15th July 1942. The notification is reproduced in Appendix IV, Statement No. 4.

In Notification No. M-955, dated the 28th May 1942, the Central Government directed that the Rescue Stations Committee shall be reconstituted with effect from the 1st June 1942. The notification is reproduced in Appendix IV, Statement No. 5.

In Notification No. M-955, dated the 17th September 1942, the Central Government, after consulting the Rescue Stations Committee, was pleased to fix 2 pice per ton as the rate at which the duty of excise referred to in rule 19 of the Coal Mines Rescue Rules, 1939, shall be levied and collected with effect from 1st October 1942.

In Notification No. M-1051, dated the 18th November 1942, the Central Government directed that further amendments shall be made in Notification No. M-1051, dated the 20th January 1938, issued by the Government of India, Department of Labour. The notification is reproduced in Appendix IV, Statement No. 6.

In Notification No. M-1285 (1), dated the 24th December 1942, the Central Government was pleased to appoint the 28th December 1942 as the date on which the Mines Maternity Benefit Act, 1941 (XIX of 1941) shall come into force.

In Notification No. M-1285(2), dated the 24th December 1942, the Central Government exempted from the operation of the said Act, certain mines, classes of mines, and parts of mines. The notification is reproduced in Appendix IV, Statement No. 7.

In Notification No. M-955, dated the 20th December 1942, the Central Government directed that further amendment shall be made in the Coal Mines Rescue Rules, 1939. The notification is reproduced in Appendix IV, Statement No. 8.

By the end of the year bye-laws under Section 32 of the Act had been established at six hundred and thirty coal mines and at thirty-three mines other than coal.

During the year two circular letters to the owners, agents and managers of coal mines, one to the owners, and managers of mica mines, and one to the owners, agents and managers of both coal and mines other than coal were issued. Those circulars are reproduced in Appendix IV, Statement Nos. 9, 10, 11 and 12.

The following notifications relating to the Coal Mines Safety (Stowing) Act were issued during the year:—

In Notification No. M-955, dated the 16th February 1942, the Central Government directed that further amendment shall be made in the Coal Mines Safety (Stowing) Rules, 1939. The notification is reproduced in Appendix IV, Statement No. 13.

In Ordinance No. XXV of 1942, dated the 22nd May 1942, the Governor-General directed that further amendment shall be made in the Coal Mines Safety (Stowing) Act, 1939. The ordinance is reproduced in Appendix IV, Statement No. 14.

In Notification No. M-955, dated the 26th November 1942, the Central Government directed that further amendment shall be made in the Coal Mines Safety (Stowing) Rules, 1939. The notification is reproduced in Appendix IV, Statement No. 15.

## SECTION V.—GENERAL REMARKS. SURFACE FIRES AT MINES.

It is found that surface fires due to various causes, *e.g.*, spontaneous heating in coal stocks; burning of "Bontulsi"—a herbaceous plant—and the fires extending to old goaves or setting fire to old spoil heaps; and the indiscriminate making of soft coke in the vicinity of coal stacks are on the increase.

Some years ago a disastrous fire was started due to heated ash from soft coke making being deposited on the face of a quarry and setting fire to underground workings. As a result, a regulation was prescribed prohibiting the lighting of a fire or the depositing of ashes or heated material in any coal quarry, or on any exposed outcrop of coal or on any ground damaged by the extraction of coal in which open fissures or cavities exist.

During the year a number of fires occurred due to the above-mentioned causes, and I am drawing attention to these occurrences in the hope that the simple precautionary measures, which are required to prevent them, will be taken, as such fires may be accompanied with disastrous results due to the large areas of broken surface—particularly in the Jharia coalfield—caused by pillar extraction.

Generally, the spontaneous heating in coal stacks would be prevented by making the stacks not more than 10-15 feet in height, according to the nature of the coal. A few coals cannot be stacked for any length of time without firing spontaneously, due to their peculiar physical and chemical characteristics. If coal is to be stacked for long periods the dimensions of the stacks should be arranged according to the nature of the coal, so as to prevent spontaneous heating. In one case a large quantity of coal was deposited over a steam pipe range and as should have been anticipated, the coal was soon on fire. This accumulation of coal extended to the edge of an old goaf and it was with the greatest difficulty that the fire was prevented from entering this goaf, which was connected with the underground workings.

It is quite common to see soft coke being manufactured in close proximity to stacks of coal situated near broken surfaces, due to pillar extraction, with the result that there is always the risk of the coal stacks being set on fire and the fire penetrating into old goaves, thereby endangering not only the mine concerned but also adjoining mines.

In my view, the greatest danger is from burning "Bontulsi"—a herbaceous plant—during the hot weather. In some instances, the "Bontulsi" is deliberately set on fire while in some cases it is accidentally ignited by a person dropping a light. There are large quantities of this inflammable herbaceous plant in proximity to old goaves in the Jharia coalfield,



and I would suggest that regular inspections be made on the surface to see that no fires which are likely to penetrate into old goaves and thereby endanger the mines, have been started.

#### HEALTH AND SANITATION.

The Asansol Mines Board of Health held fifteen ordinary and thirteen special meetings during the year. The general health of the population continued to be satisfactory. The death rate fell from 19.4 per 1,000 in 1941 to 12.6 per 1,000 in 1942. The decline in infant mortality rate was more marked during the year. The rate of infant deaths per 1,000 births was 85 in 1942, as compared with 105.5 in the previous year. The fall in birth-rate from 30.4 per 1,000 in 1941 to 18.8 in 1942 was partly due to the generalised outbreak of malaria in the preceding year. Increased attention is being paid to the problem of malaria in the Asansol Mining Settlement. A larger number of areas, which are known to be endemic or where a high incidence of malaria was noticed, was taken up for intensive anti-malaria work. Suitable bye-laws are under consideration of the Board for controlling the breeding areas.

The outbreak of small-pox during February, March and April was on a limited scale as in the previous year. Out of 373 cases reported, 116 occurred in collieries, 243 in villages and 14 in the town area. Re-vaccination was made compulsory under the epidemic bye-laws in areas declared to be infected. As many as 96,548 persons, about one-fifth of the total population were protected by vaccination during the year.

The first half of the year was practically free from cholera infection. The outbreak of cholera in the month of August was traceable to infection among labourers imported by military contractors. The epidemic declined at the end of October. Out of 854 cases reported during the year 221 were from collieries, 526 from villages and 107 from the municipal towns. Intensive measures for the protection of water supply, isolation and quarantine along with detailed disinfection were taken by the sanitary department. The total number of persons protected by inoculation was 66,797, of whom 22,934 were from collieries. This represents about one-third of the colliery population.

The anti-leprosy work was carried out by the Board of Health in co-operation with the Asansol Leprosy Relief Association. The supervising staff consisting of five Leprosy officers and a compounder was provided by the Board of Health. The Association was responsible for the maintenance of the fourteen Leprosy clinics, a Leper hospital, Segregation Camps for infectious cases, and a staff of trained Health Visitors. Out of 5,362 surveyed cases, 2,680 lepers attended the clinics for treatment. One hundred forty-three become symptom-free and were kept under observation, while 69 infectious cases became bacteriologically negative. A follow-up of discharged cases during the last nine years shows a relapse rate of 10 per cent. Seventy-five cases were admitted into the Leper hospital for the treatment of complications, while 62 infectious lepers were segregated in the Asansol Leper Settlement and other Segregation Camps.

A medically qualified Lady Superintendent was appointed for supervision of the twelve Maternity and Infant Welfare centres which serve 47 collieries, 71 villages and one town with a population of 138,000 out of the total population of 512,616 in the Mining Settlement. As an experimental measure three Lady Doctors have been appointed as Health Visitors in three centres. Five of the Welfare centres are now provided with maternity wards for admission of cases among miners families. 2,436 confinements were supervised by trained Dais and Health Visitors out of a total of 8,616 births in the Mining Settlement. Of these 1,175 were under pre-natal supervision of the Health Visitors, 52 new Dais were trained during the year and 106 trained Dais attended the re-training course. Out of 116 Dais, who appeared in the examination conducted by a Board of Examiners, 20 received honours certificates entitling them to practice for 3 years and 63 obtained pass certificates, which is current for one year.

The annual Baby Show was organised on a reduced scale owing to the difficulties in transport and other facilities. In the annual Inter-colliery Ambulance Competition there were 17 teams in the senior group open to holders of St. John Ambulance Certificate. In the Junior group open to non-certificate holders, there were 9 teams among miners and 15 among non-miners. An A. R. P. Inter-centre Ambulance Competition was also held to stimulate training and re-training among A. R. P. personnel.

During the year, the Jharia Mines Board of Health held thirteen ordinary and seven special meetings. The estimated population of the Settlement was 568,691. The death rate was 12.92 per thousand, as compared with 14.37 in the previous year. There was, however, a marked decline in the infant mortality rate from 78.35 in 1941 to 71.93 in 1942. The standard of health among the colliery population was at a higher level than that of the general population. The death-rate among the colliery population was 6.75 per 1,000 during the year.

as against 8.09 in 1941. The sickness rate among the colliery population was 3.41 per cent. in April, the healthiest month of the year, and 11.43 per cent. in August. There was a slight decrease in the birth-rate from 24.48 per 1,000 to 21.74 in 1942.

Cholera appeared in a small epidemic form in July 1942 and continued till October. There was a higher level of incidence during September and October compared with the remaining months of the year. Out of 578 cases, 158 were reported from collieries, 20 from the Dhanbad Municipality, and the remainder from the rural areas. Preventive measures adopted by the Board consisted of mass inoculation, phage administration and disinfection of water supplies. In all, 11,683 people were inoculated of whom 3,168 were from collieries and 8,515 from rural areas. Small-pox too appeared in an epidemic form in a number of places during February-April 1942. Out of 566 cases, 213 were reported from collieries, 43 from the Dhanbad Municipality and the remainder from the rural areas of the Mining Settlement. Mass re-vaccination was resorted to throughout the Mining Settlement, the number of operations performed being 31,705, out of which 17,593 were re-vaccinations.

The Maternity and Child Welfare work under the Jharia Mines Board of Health was carried on at eleven centres throughout the year.

During the year, the Board considered the report of the Housing Sub-Committee appointed in the previous year to examine the practicability of revision of housing arrangements on collieries on the lines of the recommendations of the Bihar Labour Enquiry Committee and decided to amend a number of existing Housing Bye-laws with a view to provide additional amenities to colliery labourers. The recommendations of the Board are now awaiting sanction of the Provincial Government.

The Anti-Malaria scheme of the Board for conducting surveys and giving technical advice to collieries for remedial measures continued to work during the year.

All leprosy work within the Dhanbad Sub-division continued to be managed during the year by the Dhanbad and District Leprosy Relief Fund, the total number of cases treated being 558.

The Jharia Water Board continued to function during the year. The total quantity of water supplied during the year under review was about 533 million gallons as detailed below.

	Gallons.
1. Collieries . . . . .	440,555,000
2. Non-colliery premises (domestic and non-domestic supply) . . . . .	37,230,000
3. Bazars of Jharia, Katras and Kirkend and other places supplied through stand-posts.	55,480,000
<b>Total . . . . .</b>	<b>533,265,000</b>

#### INSPECTIONS MADE BY MEDICAL OFFICERS AS *Ex-Officio* INSPECTORS OF MINES.

During the year many reports were received from Provincial and District Medical Officers of Health concerning health and sanitation. All the reports were dealt with and most of the recommendations carried out.

#### STATISTICS OF RAINFALL.

Statistics of rainfall in the eastern coalfields have been recorded as follows :—

	Rainfall in inches.	
	1942	1941
<b>Jharia Coalfield—</b>		
Jealgora . . . . .	58.37	57.02
Topchanchi . . . . .	67.85	60.99
<b>Raniganj Coalfield—</b>		
Asansol . . . . .	62.07	63.19
Dishergarh . . . . .	67.32	53.9
<b>Giridih Coalfield—</b>		
Giridih . . . . .	85.92	75.5

During the year 1942 the rainfall in the Topchanchi catchment area was comparatively high, the total rainfall for the year being 67.85 as against 60.99 in the previous year.

## AMBULANCE WORK.

During the year lectures were given at eighteen centres in the Jharia coalfield and at three centres in the Dhanbad Civil Area. During the year 447 persons appeared for examination in First-aid, of whom 377 were successful. The growing interest in First-aid is shown by the number of persons examined and the number of certificates awarded during the last six years :—

Year.	No. examined.	No. successful.
1937 . . . . .	380	282
1938 . . . . .	313	255
1939 . . . . .	396	316
1940 . . . . .	429	334
1941 . . . . .	521	415
1942 . . . . .	447	377

The chief activity of the centre has been the training of men in First-aid for service in collieries and works and for the A. R. P. organisation. The "Maack Challenge Shield" competition, which is open to teams of mine workers from collieries in the Jharia coalfield, was held in March 1942, and it was won by a team from Ekra Khas Colliery.

In the Raniganj coalfield classes in first-aid to the injured were held at eighteen centres. Four hundred and twelve students attended these classes and 279 passed and received certificates, as compared with 244 and 197, respectively, in the previous year. Below are given the results of the Colliery Ambulance Competitions held during the year :—

## ST. JOHN AMBULANCE SHIELD.

Winners :—Sectalpur Colliery (Messrs. Bengal Coal Company, Limited).

Runners-up :—Chanoh Colliery (Messrs. Bengal Coal Company, Limited).

LANG MEMORIAL SHIELD (*Competition limited to non-miners who do not hold First-Aid Certificate*).

Winners :—Sodepur Colliery (Messrs. Bengal Coal Company, Limited).

Runners-up :—Sectalpur Colliery (Messrs. Bengal Coal Company, Limited).

CUNNINGHAM MEMORIAL SHIELD—(*Competition limited to miners who do not hold First Aid Certificates*).

Winners :—Sodepur Colliery } (Messrs. Bengal Coal Company, Limited).

Runners-up :—Chanoh Colliery }

In addition Messrs. Bengal Coal Company, Limited, held Inter-colliery Competitions in connection with their own collieries.

I desire to express my thanks to the lecturers and examiners for the very valuable work done in the major coalfields of Jharia and Raniganj and in other mining districts.

## MINING BOARDS IN BENGAL, BIHAR AND THE CENTRAL PROVINCES.

The Bengal Mining Board did not meet during the year. The subjects dealt with by correspondence related to (a) certain amendments to the Indian Coal Mines Regulations, 1926; the Coal Mines Rescue Rules, 1939, and the Coal Mines Safety (Stowing) Rules, 1939; (b) the draft of certain rules in connection with the administration of the Mines Maternity Benefit Act, 1941; and (c) the grant of dearness allowance to miners. The non-official members of the Board were Messrs. F. W. Manley, A. L. Ojha and Rai Sahib Upendra Nath Mondal.

The Bihar Mining Board for coal mines did not meet during the year. The subjects dealt with by correspondence concerned certain amendments to the Indian Coal Mines Regulations, 1926, and the Coal Mines Rescue Rules, 1939. The non-official members of the Board were Messrs. A. L. Ojha, Shiva Kali Bose, S. B. Sen and for part of the year Mr. J. E. Phelps.

The Bihar Mining Board for mines other than coal mines did not meet during the year. The non-official members of the Board were Rao Bahadur D. D. Thacker, Dr. Wilton Hutchison and for part of the year Mr. J. E. Phelps.

The Central Provinces and Berar Mining Board did not meet during the year. The non-official members of the Board were Messrs. L. H. Bartlett, O.B.E., and Gulabchand Choudhury, Mrs. D. E. Jackson and Mr. Shamsber Bahadur Verma, who was succeeded by Mr. Balaya but was again appointed to the Board in place of Mr. Punjilal Tuharam Mehta.

#### BOARD OF EXAMINERS.

Seven meetings of the Board of Examiners were held during the year. The non-official members of the Board were Messrs. G. Castles and H. K. Nag, and Mr. J. E. Phelps, who died during the year and was succeeded by Mr. S. F. Tarlton. Mr. Phelps was a member of the Board for five years and rendered most valuable service. His death was a great loss to the Board who greatly valued his high technical and practical attainments.

The examinations for coal mine managers' certificates were held twice during the year, once in February and again in November, owing to the decision of the Board to alter the dates of examinations for managers' certificates from February to November. No examination for coal mines surveyors' certificates was held during the year as the Board decided to alter the date of the examination from November to February.

The local examiners appointed were Messrs. R. Brown and L. S. Buxton for coal mine managers' first class certificates, and Messrs. B. B. Biswas and S. K. Bose for coal mine managers' second class certificates. Mr. N. G. Chatterjee, Inspector of Mines, was also an examiner and acted as Secretary for the coal mine managers' first and second class examinations.

At the examinations for coal mine managers' certificates held at Dhanbad in February, 133 candidates were permitted to appear for first class certificates and 171 for second class certificates. Fourteen certificates of the first class and twenty of the second class were granted. At the examination for coal mine managers' certificates held at Dhanbad in November, 120 candidates were permitted to appear for first class certificates and 147 for second class certificates. Ten certificates of the first class and nineteen of the second class were granted.

Four hundred and sixty-three persons were examined for coal mines sirdars' certificates of competency and 323 certificates were granted. Out of 314 holders of sirdars' certificates examined in gas testing, 217 were successful and their certificates were duly endorsed to that effect. 853 holders of sirdars' certificates appeared for re-examination in eye-sight and hearing. 839 were successful and their certificates were duly endorsed. Under Coal Mines Regulation 49, the certificates of four sirdars were suspended for a period varying from two to three months. During the year 18 duplicate sirdars' certificates and 86 duplicate discs were issued.

Fifty-eight candidates were examined for the shot-firers' certificates and 47 of them, who were successful, were granted certificates. Under Coal Mines Regulation 49 the certificate of one shot-firer was suspended for a period of three months. During the year two duplicate shot-firers' certificates and six duplicate metal checks were issued.

#### MINING EDUCATION.

At the Indian School of Mines the total number of students on the roll during the session 1942 was 92, as compared with 93 during the previous year. 24 students were in the first year, 26 in the second year, 19 in the third year and 23 in the fourth year. At the end of the session 22 first year students were promoted to the second year and 27 second year students (including 2 who failed during session 1940-41 but passed on re-examination during the session under review) were promoted to the third year. The number of candidates appearing at the final examinations held in July 1942 were as follows:—

Diploma or Certificate.	No. of candidates.	No. of successful candidates.
Diploma of Associateship in Mining Engineering . . . . .	23	4 (Class I) 19 (Class II).
Certificate in Coal Mining . . . . .	16	5 (Class I) 11 (Class II).
Certificate in Geology . . . . .	1	1

The usual excursions and visits to mines were held throughout the year. Sixteen former students obtained the second class colliery managers' certificate, standing first to fourth, seventh to eleventh, thirteenth to eighteenth and twentieth in order of merit. Ten former students obtained the first class colliery managers' certificate, standing second, fifth to ninth

and eleventh to fourteenth in order of merit; and four former students and 7 present students obtained the surveyors' certificate of competency, standing first, fifth to eighth, twelfth, fourteenth, fifteenth, nineteenth, twenty-fourth and thirty-first in order of merit.

In the Department of Mining and Metallurgy at the Benares Hindu University there were 160 students at the beginning of the session, as compared with 133 students at the beginning of the previous session. Four students passed the final examination for the Degree of B.Sc. in Mining and 13 in Metallurgy. The total number of Mining graduates is now 56 and the total number of Metallurgy graduates 121. Almost all the graduates have been absorbed into industry. During the summer vacation 51 students were sent for practical training in the most up-to-date mines and metallurgical works.

Evening mining classes (in English) were held as usual, in both the coalfields of Bengal and Bihar during the year 1942. In Bengal the classes were held at Sitarampur and Raniganj, while in Bihar the centres were Sijua and Jharia as before. The total number of students enrolled in these classes was 83 for Bengal and 135 for Bihar, as against 81 and 168, respectively, in the previous year. Twenty-five of the third year students (Bengal 5 and Bihar 20) appeared at the final examination and 9 were successful (Bengal 2 and Bihar 7). In both the coalfields, courses of lectures were delivered in the modern Indian language to overmen and sirdars in the Raniganj coalfield in Bengali and in the Jharia coalfield in Hindi. The number of centres in the Raniganj coalfield was 8 and 115 students were enrolled for this course. In the Jharia coalfield there were six centres with a total enrolment of 210. Classes in gas-testing were also held as usual at Sitarampur and Jamuria in the Raniganj coalfield and at Jharia in the Jharia coalfield for the training of colliery sirdars and shot-firers in gas-testing. The number of candidates enrolled for these classes in the Raniganj coalfield was 28 and in the Jharia coalfield 15.

#### SCIENTIFIC AND TECHNICAL ASSOCIATIONS.

##### (a) *Mining, Geological and Metallurgical Institute of India.*

The total number of members, including subscribers, at the end of the financial year of the Institute, i.e., on the 31st October 1942, was 491. In addition to the annual general meeting, two ordinary general meetings were held—one was for the discussion of Dr. C. Forrester's and Mr. W. Gilbert's paper on "Some Aspects of the Chemical and Mineral Industries with special reference to war time problems and post-war industrial development", and the other for an illustrated lecture on "The Indian Mineral Waters" by Dr. P. K. Ghosh.

Three parts of the Transactions, forming parts 1 and 2 of Volume 37 and part 1 of Volume 38, were published. The prize offered by the Government of India and the Institute medals for the best papers were not awarded. Mr. T. Dewhurst represented the Institute on the Council of the Institute of Fuel, London. Mr. H. C. Robson was elected as the Institute's representative on the Advisory Committee of the Utilisation Branch of the Geological Survey of India. A Standing Advisory Committee, consisting of the President, Messrs. L. J. Barraclough, L. H. Bartlett, W. Gilbert, W. Kirby, E. S. Pinfold, H. C. Robson, B. Sen and Dr. E. Spencer, has been appointed to supply information on certain minerals to the Utilisation Branch of the Geological Survey of India and to advise the Institute's representative on that body. Certificates in lieu of the three medals—Robertson medal, LaTouche medal and Hadfield medal—presented by the Institute to the best students in the final examinations in Mining, Geology and Metallurgy, respectively, of the Benares Hindu University for the session 1942, were awarded to the following:—

Mining	Mr. K. S. Natarajan.
Geology	Mr. A. P. Subrahmanyam.
Metallurgy	Mr. K. C. Cherian.

##### (b) *The Geological, Mining and Metallurgical Society of India.*

At the end of the session 1941-42 the total membership was 256. In addition to the annual general meeting eleven ordinary general meetings were held. Of these nine meetings were held in the Geological Laboratory, Presidency College, Calcutta; one meeting was held in the Jharia Rescue Station, Jharia, and another meeting was held at the Asansol Club, Asansol. Seventeen original papers on various aspects of geology, mining and metallurgy were read and discussed at these meetings. During the year Parts 2, 3 and 4 of Volume XIII, and Parts 1 and 2 of Volume XIV of the Quarterly Journal of the Society were issued. One excursion was arranged at the Jharia Rescue Station, Jharia. As a result of the silver medal competition amongst the Student Associates of the Society during the year a silver medal was awarded to Mr. J. K. Pahwa of the Indian School of Mines, Dhanbad, for his paper entitled "Manufacture of Brass joles on a commercial scale".

(c) *The National Association of Colliery Managers (Indian Branch).*

The number of members of the National Association of Colliery Managers, Indian Branch, at the end of the year was 99. Some of the subjects dealt with by the Council during the year were:—amendments to the Indian Coal Mines Regulations; Coal Mines Safety (Stowing) Rules and Coal Mines Rescue Rules; support was given to the proposal that the amendments to the Bengal Mining Settlement Act should provide for separate representation on the Asansol Mines Board of Health to the Indian Colliery Owners' Association, the Indian Mine Managers' Association and this Association. The Council also urged the extension of the Bengal Criminal Law (Industrial area) Amendment Bill, 1941, to include the whole of the area covered by the coalfields. Mr. J. Thomas was the Association's representative on the General Council in Great Britain. Until October 1942, Mr. W. V. Curtain was joint representative of the National Association of Colliery Managers (Indian Branch) and the Indian Mine Managers' Association, and subsequently, Mr. S. N. Mullick of the latter Association on the Asansol Mines Board of Health; Mr. J. H. Paterson represented the Association on the Mining Education Advisory Board; Mr. W. McDonald represented the Association on the Rescue Stations Committee, and Mr. R. J. Legg was the representative on the Central Committee, Asansol Health and Baby Welfare; Mr. H. S. Allen was the representative on the Dhanbad and District Leprosy Fund; Messrs. A. Mack, W. M. Burch and T. Morrison were the Association's representatives on the Railways and Collieries Advisory Board; and Messrs. T. Morrison and G. G. Carapicet represented the Association on the Dhanbad and Collieries Cemetery Committee; Mr. T. Morrison represented the Association on the Dhanbad Sub-Division Advisory Committee on Price Control; Mr. W. V. Curtain was the Association's representative on the Asansol Advisory Price Committee; and Mr. T. Morrison represented the Association on the Dhanbad Local Advisory Committee on Petrol Rationing.

(d) *The Indian Mine Managers' Association.*

The membership of the Indian Mine Managers' Association at the end of the year was 265. Among the activities of the Association during the year were:—(1) consideration of the draft of the Mines Maternity Benefit Rules, 1942; (2) consideration of the proposal for the amendment of the Bengal Mining Settlement Act, 1942; (3) consideration of a letter received from the Under Secretary to the Government of India regarding the question of "dearness allowance" to the colliery labourers and other employees; (4) consideration of a proposal received from the Government of India regarding the application of War Risks (Factories) Insurance Ordinance, 1942, to coal mines; (5) consideration of a proposal received from the President, Rescue Station Committee, Dhanbad, to fix the standard of pay of rescue workers; (6) consideration of a letter received from the Coal Area Superintendent, East Indian Railway, Dhanbad, regarding loading of coal wagons so long as the new Indian Standard time remains in force; (7) consideration of the situation arising out of the occupation of buildings and other accommodation for military and A. R. P. purposes in the coalfield area; (8) consideration of an appeal issued by the Blood Bank Committee, Bengal Provincial Branch, Indian Red Cross Society, on the question of blood transfusion; (9) nomination of a representative of this association on the Rescue Stations Committee; (10) nomination of a representative of this association on the Asansol Mines Board of Health, jointly with the National Association of Colliery Managers (Indian Branch); (11) nomination of a representative of this association on the Asansol Advisory Price Committee; (12) consideration of a proposal received from the Sub-divisional Officer, Asansol, regarding the enforcement of an order under Rule 83 of the Defence of India Rules in order to check the theft of copper wire in the Asansol Sub-division; (13) consideration of a letter received from the Sub-divisional Officer, Asansol, regarding the manner of distribution of the identity discs in the colliery area; (14) consideration of the periodical reports submitted by our representatives on different bodies; (15) circulation of the lists of typical accidents at mines under the Indian Mines Act, 1923, with suggested remedial measures received from the Chief Inspector of Mines in India; (16) circulation of various important letters and memoranda connected with the Raniganj coalfield received from the District Magistrate, Burdwan, and the Sub-divisional Officer, Asansol; (17) circulation of notice received from the Commissioner, Chota Nagpur Division, stressing the importance of refraining from discussing in public or semi-public places information which should not be divulged; (18) participation in the activities of the Indian Mining Federation Calcutta, and its Branch in the Raniganj coalfield; (19) participation in the activities of the Geological, Mining and Metallurgical Society of India, Calcutta; (20) participation in the Railways and Collieries Advisory Board meetings; (21) participation in the activities of the Safety First Association of India, Bombay; and (22) distribution amongst the members of the recent amendments under the Indian Mines Act, 1923, in loose leaf form. The following members represented the Association on the following bodies:—Mr. S. C. Ghose—Mining Education Advisory Board and Asansol Health and Baby Welfare Society (Central Committee); Dr. R. P. Sinha—Coal Mines Rescue Stations Committee upto May 1942 and Mr. K. K. Baksi, subsequently;

Mr. K. M. Chatterjee—Asansol Sub-division Colliery Advisory Committee; Mr. K. Chatterjee—Asansol Advisory Price Committee; Association of Colliery Managers (Indian Branch) October 1942 and Mr. S. N. Mullick of the Indian Mining Association.

(e) *The Railways and Collieries Advisory Board*

Four meetings of the board were held during the year. The Divisional Engineer, East Indian Railway, Asansol, was the President and the Coal Area Superintendent, East Indian Railway, was the Honorary Secretary. The following are among the subjects considered during the year:— (1) consideration of the proposal to combine the supply of wagons from B. N. Railway via. Link with down country supplies instead of up country supplies; (2) consideration of a suggestion to avoid unnecessary detention by B. N. Railway of wagons despatched correctly as per E. I. Railway wagon-challan, from collieries served by E. I. Railway to stations on B. N. Railway via. Link; (3) consideration of a suggestion for pressing the Government to duplicate the telephone line between Asansol Exchange and Bahula Exchange; (4) exemption from demurrage charges of collieries in cases arising out of the failure on the part of the Railway officials to give proper directions; (5) consideration of a proposal to obviate the useless repetition of indents for wagons under priority classes; (6) proposal to make suitable arrangements to avoid delays in despatch of wagon indents to Divisional Superintendent's office, Asansol, from stations on the Ondal Sainthia Loop; (7) proposal to introduce the system of group supply for coke loading in collieries situated on the B. N. Railway as in the E. I. Railway; and (8) proposal to notify all collieries served by the B. N. Railway regarding newly fixed basis as is usually done by the E. I. Railway authorities.

THE COAL MINES STOWING BOARD.

Mr. M. B. Mullick, M.A., B.L., M.L.A. (Bengal), took over charge of the office of Chairman of the Board from Mr. N. Mahadeva Ayyar, C.I.E., I.C.S., on the 27th August 1942. The terms of appointment of the representatives of the three Mining Associations on the Board expired on 31st October 1942, and fresh nominations were made by the Associations with effect from the 1st November 1942. The only change in the membership of the Board, however, was that in the place of Mr. M. N. Mukherjee, Mr. P. C. Mukherjee was nominated by the Indian Mining Federation to represent them on the Board.

The following protective works undertaken directly or financed by the Board were progressing satisfactorily during the year:—(i) blanketing with sand the surface of the Jharia fire area and underground stowing at Niluripathra colliery; (ii) blanketing with "muttee" at the eastern boundary of the Kari Jore fire area; (iii) blanketing with sand at the southern boundary of the Kari Jore fire area; (iv) flushing soil and subsoil down bore holes of inclines in the Alkusa-Kusunda, Kusunda-Nyadee and North Kustore-Bhuggutidih areas; and (v) surface blanketing operations at the Bararee and Bagdigi collieries to prevent the extension of the Bagdigi fire. Some minor protective works in the Tisra, South Tisra and Durgapur collieries were also assisted by the Board.

*Compulsory Stowing.*—Assistance was sanctioned by the Board for stowing operations required to be carried out in the following collieries in pursuance of the orders of the Mines Department under Section 9(3) of the Coal Mines Safety (Stowing) Act:—

- (i) The Kirkend group of collieries comprising:—
  - (a) Khas Kirkend colliery;
  - (b) Kirkend Coal Company's Kirkend colliery;
  - (c) Motiram Roshanlal's Kirkend colliery;
  - (d) New Marino colliery.
- (ii) The Singaran colliery.
- (iii) The Alkusa North and South collieries.

All these collieries had commenced stowing operations during 1942.

*Voluntary Stowing*—During 1941-42, 30 collieries were stowing voluntarily and assistance was granted by the Board towards the cost of delivering stowing material at pit-head. 52 applications were received by the Board for assistance towards voluntary stowing during 1942-43, and 43 were placed in the list of priority for the grant of assistance. 56 applications were received by the Board for assistance during 1943-44 and these applications were under examination by the Standing Advisory Committee towards the end of the year.

and fires and in examining protective works  
 a large number of inspections of the sanitary  
 officers as *ex-officio* Inspectors of Mines.

shown as follows:—

Regulation or Rules.	Orders issued.	Orders withdrawn.
(2) (coal mines) . . . . .	7	1
Under Section 19 (2) (non-coal mines) . . . . .	5	..

Exemptions, partial or complete, and permissions were granted and withdrawn as follows:—

	Number of cases.	Number withdrawn.
Under Coal Mines Regulation 76 . . . . .	4	..
Under Coal Mines Regulation 87-H . . . . .	3	..
Under Coal Mines Regulation 77 . . . . .	2	..
Under Coal Mines Regulation 116 . . . . .	2	..
Under Coal Mines Regulation 123 . . . . .	1	..

During the year information was received of twenty dangerous occurrences. Twelve were due to spontaneous heating underground; four to outbreaks from old fire areas underground; three in surface coal stacks and one in shale rejections on the surface.

The number of original cases under the Land Acquisition (Mines) Act, 1885, at the end of 1942, stood at 827, twenty-one of which were cases dealt with during the year. There were eight applications for modifications of restrictions, and two complaints of violations of restrictions, all of which were dealt with. The Act applies to Bengal, Bihar and Orissa only. In other provinces where Government owns the minerals, Provincial Governments were advised as to the restrictions necessary in cases where mine owners sought permission to work minerals beneath railways, villages, etc.

I have the honour to be,  
 Sir,  
 Your most obedient servant,  
 W. KIRBY,  
 Chief Inspector of Mines in India.



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**APPENDIX II.**

**Accidents in Mines.**

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**APPENDIX II.**  
**ACCIDENTS IN MINES.**

**Table No. 1.**

Fatal Accidents during the year 1942.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accidents and remarks.
<b>FALLS OF ROOF AND SIDES.</b>						
<i>(a) Falls of roof—(122 deaths).</i>						
1	2nd January, 5-45 P.M.	Ganeshpur mine, Nawagarh P. O., Bihar.	H. M. Jaini & Sons	Makdum Gowala, (m.), 26, Loader.	Coal	A gang of loaders was at work in a gallery 13 feet high, when a mass of roof stone, 10' x 5' x 3', suddenly fell, killing one of them and seriously injuring another. Inspection and inquiry made.
2	3rd January, 4 A.M.	Deoli mine, Dishergarh P. O., Bihar.	Deoli Coal Co., Ltd.	Ashu Bauri, (m.), 35, Coal-cutter.	Coal	Deceased passed through a fence, and was cutting coal from the corner of a pillar inside the goaf, when a mass of roof coal, weighing about a ton fell from a height of 9 feet, killing him instantly. Inspection and inquiry made.
3	5th January, 11-30 A.M.	Hindubagh mine, Hindubagh P. O., Baluchistan.	F. B. Patel.	Kabul Shah, (m.), 25, Cooly.	Chromite	Deceased was holding a lamp while the roof of a gallery was being tested when a mass of roof fell and killed him on the spot.
4	13th January, 12 noon.	Baragolai mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Lalbahadur Chetri, (m.), 25, Loader.	Coal	While working in an "opening", deceased was struck and killed instantly by a mass of coal and shale, weighing about 1 cwt., which fell from the roof at a height of 20 feet. Inspection and inquiry made.

5	18th January, 4-45 P.M.	Korhbararee mine, Giridih P. O., Bihar.	State Railways Coal Department.	Dasu kole, (m.), 40, <i>Timberman.</i> Tilak Rajwar, (m.), 34, Chatu Meah, (m.), 28, Dukhan Dosadh, (m.), 45, Suku Bhuiya, (m.), 35, <i>Loaders.</i>	Coal	While a gang of workers was engaged in erecting roof supports at the edge of a depillaring area, a mass of roof-coal, 25' x 3' x 4' thick, collapsed unexpectedly from a height of 14 feet, killing four of them instantly and seriously injuring six others. One of the injured persons succumbed to his injuries four hours later. Inspection and inquiry made.
6	19th January, 10-30 A.M.	Chotodih mine, Katrasgarh P. O., Bihar.	Tata Iron & Steel Co., Ltd.	Mahadev Singh, (m.), 25, <i>Supervisor.</i>	Coal	While supervising the work of stone-cutters, deceased was struck by a piece of roof-stone, 1'6" x 10' x 3", which fell from a height of 14 feet. He succumbed to his injuries 40 hours later. Inspection and inquiry made.
7	24th January, 12-45 P.M.	Amlabad mine, Jeaigora P. O., Bihar.	Eastern Coal Co., Ltd.	Sonaram Roy, (m.), 36, <i>Timberman.</i>	Coal	While withdrawing props from a depillaring area by means of a prop withdrawer, deceased was struck by a mass of stone, 10' x 8' x 2'6" thick, which fell from the roof at a height of 7 feet. He was killed instantly. Inspection and inquiry made.
8	3rd February, 5 A.M.	Bhulanbararee mine, Pathardih P. O., Bihar.	Bhulanbararee Coal Co., Ltd.	Indra Narayan Chatterjee, (m.), 24, <i>Traffic Con- troller.</i> Sonaram Rewani, (m.), 52, <i>Labourer.</i>	Coal	While the deceased were sitting at a junction of galleries, a mass of roof, 6' x 1'6" x 1'6", fell from a height of 9 feet and dislodged a prop which struck one of the deceased killing him instantly. His companion was fatally injured. The fall exposed two converging "slips" in the roof. Inspection and inquiry made.
9	10th February, 4 P.M.	Rajapur mine, Jharia P. O., Bihar.	Rajapur Colliery Co.	Sital Turi, (m.), 32, <i>Coal-cutter.</i>	Coal	While a gang of miners was at work on a scaffold, a mass of roof-coal, 6' x 2'4" x 1'6" fell from a height of 15 feet, and struck the scaffold. Deceased was thrown to the ground and sustained injuries to which he succumbed sixtytwo hours later. Inspection and inquiry made.
10	11th February, 5-30 A.M.	North Kujama mine, Jharia P. O., Bihar.	Gangti Dossa & Sons.	Chotu Majhi, (m.), 30, <i>Coal-cutter.</i>	Coal	While deceased was sitting at a junction of galleries, he was fatally injured by a mass of shale roof, 6' x 1'8" x 1', which fell on him from a height of 7 feet. The fall exposed two converging "slips" in the floor. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			(a) Falls of roof—(122 deaths)—contd.			
11	11th February, 6 A.M.	Dhori mine, Bokaro P. O., Bihar.	Bokaro and Ramgur, Ltd.	Rup Lal Singh, (m.), 48, Coal-cutter.	Coal	While working in a depillaring area deceased was struck and fatally injured by a prop which was dislodged by a mass of coal which fell from a goaf edge. Inspection and inquiry made.
12	12th February, 4 P.M.	Ghogri-Berkui mine, Parasia P. O., Central Provinces.	Walji, Bhimji & Sons.	Prem Katia, (m.), 23, Coal-cutter. Daymon Katia, (m.), 28, Coal-cutter. Bikram Katia, (m.), 30, Shot-firer. Mooloo Katia, (m.), 25, Asst. Timberman.	Coal	While props were being withdrawn from a depillaring area in a seam, 4 feet thick, the goaf collapsed causing a subsidence over an area of about 240' x 180'. The deceased were trapped under the fall and killed on the spot. Inspection and inquiry made.
13	17th February, 2 P.M.	Budroochuck mine, Sijua P. O., Bihar.	Budroochuck Coal Mining Co., Ltd.	Jankar Bhuiya, (m.), 45, Coal-cutter.	Coal	While loading coal in a depillaring area deceased was fatally injured by a mass of shale, 1' 6" x 1' x 2", which fell on him from the roof at a height of 8 feet. Inspection and inquiry made.
14	4th March, 5 A.M.	Seetalpur mine, Dishergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Babulal Majhi, (m.), 40, Coal-cutter.	Coal	In an area, where pillars were in course of extraction in conjunction with sand-stowing, a "bump" occurred, and caused a slab of roof coal, 10' x 6' x 4" to fall from the roof of a loading level—a height of 14 feet. Deceased, who was loading a tub, was struck by the falling coal and killed instantly. Inspection and inquiry made.

16	14th March, 3 P.M.	Akhalpur mine, Charanpur P. O., Bengal.	Hurriladith Co., Ltd.	Coal	Kario Majhi, (m.), 25, <i>Coal-cutter.</i>	Coal	While deceased was loading coal after blasting in a depillaring area, a mass of stone, 4'x3'x4", fell from the roof at a height of 9 feet. He was severely injured and died 21 days later. Inspection and inquiry made.
17	16th March, 2-30 P.M.	Mandalpur mine, Charanpur P. O., Bengal.	Mandalpur Co., Ltd.	Coal	Keshab Majhi, (m.), 25, <i>Coal-cutter.</i>	Coal	Deceased left his appointed working place and entered a fenced-off gallery to rob some coal at the edge of a goaf, when a mass of stone, 5'x4'x9", fell from a height of 4 feet. He was struck and killed instantly. Inspection and inquiry made.
18	17th March, 1-15 P.M.	Bararee mine, Jeaicora P. O., Bihar.	East Indian Coal Co., Ltd.	Coal	Sree Pasi, (m.), 37, <i>Coal-cutter.</i>	Coal	While fixing a ladder to dress down some roof-coal in a gallery, which had been loosened by blasting, deceased was killed by a mass of coal, 15'x4'x6", which fell on him from a height of 25 feet. Inspection and inquiry made.
19	18th March, 7 A.M.	Seetalpur mine, Dishergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Coal	Bandhu Dhobi, (m.), 37, <i>Coal-cutter.</i>	Coal	While deceased was cutting floor coal at the face of a gallery 10 feet high, a "bump" occurred and dislodged a piece of stone, 3'x1'6"x1", from between two converging "slips" in the roof. The stone displaced a prop which in falling struck deceased, killing him instantly. Inspection and inquiry made.
20	18th March, 4-30 P.M.	Nakus Lease No. 141 mine, Quetta P. O., Baluchistan.	Rai Saheb Tikam- das.	Coal	Jalat Saranzai, (m.), 27, <i>Loader.</i>	Coal	Deceased was driving a prospecting tunnel from the surface, when a mass of roof fell and killed him on the spot.
21	10th March, 8-30 P.M.	Bhurkunda mine, Bhurkunda P. O., Bihar.	Governor General of India in Coun- cil.	Coal	Nanak Mahato, (m.), 36, <i>Coal-cutter.</i>	Coal	While deceased was engaged in dressing down loose coal from the roof in a depillaring area after blasting, a mass of coal 11'x4'x6" thick, fell from the roof at a height of about 7 feet and struck him, causing serious injuries which proved fatal 12 days later. Inspection and inquiry made.
22	19th March, 12-30 A.M.	Victoria West mine, Barakar P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Coal	Ghutu Meah, (m.), 40, <i>Coal-cutter.</i>	Coal	While deceased was resting in a gallery, 7 feet high, mass of coal 18'x4'x2'6", fell from a concealed "slip" in the roof and killed him instantly. Inspection and inquiry made.
23	20th March, 0-30 P.M.	Kustore mine, Knsunda P. O., Bihar.	Raneegunge Coal Association, Ltd.	Coal	Bhagan Painka, (m.), 30, <i>Loader.</i>	Coal	While returning from his working place, deceased was struck by a mass of roof-coal, 2'x2'x1', while fell from a height of 9 feet. He succumbed to his injuries 8 days later. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1942—*contd.*

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			(a) Falls of roof—(122 deaths)— <i>contd.</i>			
24	21st March, 11-15 A.M.	Poidih mine, Sundarchak P. O., Bengal.	Bengal Coal Co., Ltd.	Sukroo a-lh, Meah, (m.), 22, Stone-cutter.	Coal	While a number of stone cutters was building a stone pack in a gallery 15 feet high, a "bump" of severe intensity occurred suddenly and caused a large mass of stone to fall from the roof. One of the stone cutters was struck by the falling stone and fatally injured. Inspection and inquiry made.
25	29th March, 5 P.M.	Sharigh (Lease No. 109) mine, Sharigh P. O., Baluchistan.	Nanak Chand Ghooni.	Faqir Mohd. (m.), 38, Coal-cutter.	Coal	Deceased was loading coal in a longwall face, when a mass of roof 5'×2'-6"×1'-6", fell on him from a height of about 3½ feet. He was killed instantly.
26	4th April, 2 A.M.	Jainty Khas mine, Karmatar P. O., Bihar.	R. C. Das & Co.	Jagu Kole, (m.), 22, Coal-cutter.	Coal	While deceased was loading fallen coal inside a gallery which had been fenced, in a seam 2' 6" thick, a mass of roof shale, 15'×7'×3", fell and buried him. He was seriously injured and died three months later. Inspection and inquiry made.
27	6th April, 1-45 P.M.	Datla mine, Junnordeo P. O., Central Provinces.	Amalgamated Coalfields, Ltd.	Sheikh Kalloo, (m.), 28, Coal-cutter.	Coal	While deceased was dressing loose coal after blasting operations in an underground gallery, 10 feet wide and 8 feet high, a mass of coal, 3'×1' 6"×4", fell from the roof and struck him. He sustained serious injuries to which he succumbed a month later. Inspection and inquiry made.
28	13th April, 8-45 P.M.	Kustore mine, Kusunda P. O., Bihar.	Raneegunga Coal Association, Ltd.	Sibu Meah, (m.), 40, Loader.	Coal	Deceased was loading coal in a split gallery when a mass of coal 5'×3'×2' 6" thick fell from a 'slip' in the roof at a height of about 8 feet and struck him, causing fatal injuries. Inspection and inquiry made.
29	17th April, 1-30 P.M.	Kurburbaree mine, Giridih P. O.,	State Railways' Coal Department.	Thakur Gope, (m.), 40,	Coal	While timber was being withdrawn in a depillaring area a mass of roof stone fell from a height of 10 feet killing deceased instantly. Inspection and inquiry made.

	Date and Time	Mine Name and Location	Company Name	Name and Age of Worker, Occupation	Material	Description of Incident
	19th April, 4-30 A.M.	No. 3 Rakh Dandot mine, Dandot P. O., Bihar.	Himalaya Coal Co. Ltd.	Shana, (m.), 38, Loader.	Coal	While working in a gallery, a mass of coal, 8' x 3' x 1' 6" thick, fell from the roof at a height of about 14 feet and struck him, causing serious injuries which proved fatal seven hours later. Inspection and inquiry made.
31	19th April, 12-30 P.M.	No. 3 Rakh Dandot mine, Dandot P. O., Punjab.	Himalaya Coal Co.	Shana, (m.), 58, Coal-cutter.	Coal	Deceased was cutting coal in a disused gallery after removing a fence, when a mass of shale, 1' 6" x 1' x 9" thick, fell from the roof at a height of 4 feet and struck him. He sustained serious injuries which proved fatal about three hours later. Inspection and inquiry made.
32	22nd April, 8 A.M.	Parbelia mine, Necturia P. O., Bihar.	Bengal Coal Co., Ltd.	Barsha Majhi, (m.), 30, Coal-cutter.	Coal	Deceased was standing on a platform while dressing roof coal in a gallery 15 feet high when a mass of coal fell and upset the platform. He received serious injuries to which he succumbed 54 hours later. Inspection and inquiry made.
33	26th April, 3 P.M.	Sedwa Shamseria mine, Rajauli P. O., Bihar.	Chhotu Ram Darsan Ram.	Jatu Singh, (m.), 35, Labourer.	Mica	While working in a gallery 8 feet high where a shot had been fired, deceased was struck and fatally injured by a mass of stone, weighing about 8 lbs., which fell on him from the roof. Inspection and inquiry made.
34	27th April, 9-30 P.M.	Baragolai mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Noman Pathan, (m.), 35, Loader.	Coal	While at work in an "opening" a loader was struck and fatally injured by a mass of coal weighing 4-5 tons, which fell from the roof at a height of 20 feet. Inspection and inquiry made.
35	28th April, 8-30 P.M.	Sodepur (Nos. 9 & 10 Pits) mine, Sundarchak P. O., Bengal.	Bengal Coal Co., Ltd.	Matia Majhi, (m.), 34, Coal-cutter.	Coal	While the side of a pillar was being dressed to straighten a proposed haulage road, a mass of coal 12' x 1' x 1' 6", fell from the roof and the side. One man was killed instantly and another was seriously injured. Inspection and inquiry made.
36	30th April, 2-30 A.M.	Sendra-Bansjora mine, Bansjora P. O., Bihar.	Sendra-Bansjora Colliery Co., Ltd.	Shibu Mahato, (m.), 45, Coal-cutter.	Coal	While at work in a gallery deceased was fatally injured by a mass of stone, 10' x 6' x 1' thick, which fell from the roof at a height of 6 feet. Inspection and inquiry made.
37	6th May, 4-15 A.M.	Seetalpur mine, Dishergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Sahadul Meah, (m.), 28, Coal-cutter.	Coal	While deceased was loading coal in a gallery adjacent to a depillaring area, a mass of coal 10' x 6' x 1' 6", suddenly fell from a concealed "cleat" and a distinct "parting" in the roof at a height of 9 feet. He sustained injuries which proved fatal shortly afterwards. Inspection and inquiry made.

APPENDIX II—contd.

Fatal accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			(u) Falls of roof—(122 deaths)—contd.			
38	6th May, 11 A.M.	Junnordeo No. 2 mine, Jannordeo P. O., Central Provinces.	Central Provinces Syndicate, Ltd.	Gul-badan, (m.), 40. <i>Coal-cutter.</i>	Coal	In a gallery, 7 feet wide and 6½ feet high, a mass of shale, 5'×4'×6", fell from the roof adjacent to a "fault" plane. Deceased who was employed in the gallery sustained serious injuries and died two days later. Inspection and inquiry made.
39	6th May, 5 P.M.	Poidih mine, Sundarchak P. O., Bengal.	Bengal Coal Co., Ltd.	Mohammad Ali, Moah. (m.), 43. <i>Coal-cutter.</i>	Coal	While at work in a depillaring area, deceased was struck by a large mass of roof coal and stone, which fell unexpectedly from a height of 16 feet, dislodging four props. He sustained injuries to which he succumbed nine days later. Inspection and inquiry made.
40	8th May, 9 A.M.	Hingir Rampur, Jhatsaguda P. O., Orissa.	Hingir Rampur Coal Co., Ltd.	Joy Singh Ganda, (m.), 36. <i>Coal-cutter.</i>	Coal	Deceased was drilling a hole in the side of a pillar under extraction when a mass of shale 4'×3'×1' thick, fell from the roof at a height of about 8 feet and struck him causing serious injuries which proved fatal about 2 hours later. Inspection and inquiry made.
41	15th May, 1-30 P.M.	Mudidih mine, Sijua P. O., Bihar.	Burrakur Coal Co., Ltd.	Naro Mahato, (m.), 50, <i>Labourer.</i>	Coal	While deceased was levering down roof coal in a depillaring area after blasting, he lost his balance and fell down. A mass of coal and stone, 3'×1'6"×1' thick, fell on him from the roof at a height of 8 feet and killed him instantly. Inspection and inquiry made.
42	16th May, 3 A.M.	Farbelia mine, Necturia P. O., Bihar.	Bengal Coal Co., Ltd.	Muruli Rajwar, (m.), 27, <i>Coal-cutter.</i>	Coal	While at work in a depillaring area deceased was struck and fatally injured by a mass of coal, 6'×3'×6", which fell from the roof at a height of 7 feet. Inspection and inquiry made.
43	20th May, 12-39 P.M.	Bhowrah mine, Jealgora P. O., Bihar.	Eastern Coal Co., Ltd.	Hari Pada Khan, (m.), 45, <i>Sirdar.</i> Nidhu Hari, (m.), 30, <i>Coal-cutter.</i>	Coal	While engaged in testing the roof in a gallery, a sirdar was struck and fatally injured by a mass of roof coal, 20'×9'×2' thick, which fell from a "slip" at a height of 7 feet. Two miners who were standing nearby sustained serious injuries and one of them died three hours later. Inspection and inquiry made.



44	20th May, 9-30 P.M.	Pottit mine, Sundarchak P.O., Bengal.	Bengal Coal Co., Ltd.	Sona Meah, (m.), 30, Coal-cutter.	Coal	While a gang of miners was working a mass of roof coal 12 feet high, a "bump" occurred in an adjoining goaf. A mass of roof coal 10' x 5' x 2', fell on deceased. He sustained serious injuries and died shortly afterwards. Inspection and inquiry made.
45	22nd May, 9-30 P.M.	Godbur mine, Kusunda P.O., Bihar.	B. K. Roy	Amir Meah, (m.), 28, Loader.	Coal	While a loader was employed in a depillaring area he was struck and killed instantly by a mass of roof coal, 6' x 2' x 1'3" thick, which fell from a height of 16 feet. Inspection and inquiry made.
46	26th May, 9-45 P.M.	Bejdih mine, Sundarchak P.O., Bengal.	Equitable Coal Co., Ltd.	Lokhon Pandit, (m.), 32, Lutu Roy, (m.), 35, Mahananda Mondal, (m.), 45, Coal-cutter.	Coal	While a number of persons was loading fallen coal in a dip gallery adjacent to a goaf, a "bump" occurred causing a mass of roof coal, 25' x 4' x 5', to fall from a height of 10 feet. The deceased were buried under the fall and killed on the spot, and another person received serious injuries. Inspection and inquiry made.
47	27th May, 4-45 P.M.	Sodepur mine, Sunderchak P.O., Bengal.	Bengal Coal Co., Ltd.	Hari Pada Mukherji, (m.), 41, Overman.	Coal	During the course of his inspection of a depillaring section deceased was killed instantly by a mass of roof coal, 20' x 6' x 3' which fell without warning from a height of 10 feet. Inspection and inquiry made.
48	9th June, 12-30 P.M.	Sin'abahal mine, Jharia P. O., Bihar.	Bhalgora Coal Co., Ltd.	Bihari Chamar, (m.), 26, Coal-cutter.	Coal	Deceased was boiling water from an underground gallery when a mass of shale, 6' x 4' x 2' thick, fell on him from between two "slips" in the roof at a height of 4 feet, killing him on the spot. Inspection and inquiry made.
49	23rd June, About mid- night.	Sendra mine, Bansjora P.O., Bihar.	Sendra Coal Co., Ltd.	Prem Rajwar, (m.), 30, Coal-cutter.	Coal	While examining his working place at the edge of a goaf, deceased was killed by a mass of roof-coal, 3'6" x 3' x 1'6", which fell on him from a height of 8 feet. Inspection and inquiry made.
50	23rd June, 1 P.M.	Victoria mine, Kulti P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Sagar Tanti, (m.), 28, Labourer.	Coal	While deceased was engaged in carrying bricks in an underground gallery, he was struck by a mass of coal, 3' x 2' x 6", which fell from the roof at a height of 7 feet. He sustained injuries to which he succumbed two days later. Inspection and inquiry made.
51	3rd July, 12 Mid-night.	Kurhurbaree mine, Giridih P.O., Bihar.	State Railways Coal Department	Jitan Chamar, (m.), 32, Coal-cutter.	Coal	While engaged in erecting supports deceased was fatally injured by mass of roof stone, 5' x 4' x 12" thick, which fell from a height of 8 feet. Inspection and inquiry made.
52	8th July, 8 P.M.	Hingir Rampur. Jharsaguda P. O., Orissa.	Hingir Rampur Coal Co., Ltd.	Hridhi Lodhi, (m.), 38, Loader.	Coal	While deceased was loading coal in a depillaring area a mass of stone 4' x 3' x 1' fell on him from the roof at a height of 8 feet. He sustained serious injuries to which he succumbed 3 hours later. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			(a) Falls of roof—(122 deaths)—contd.			
53	9th July, 5 P.M.	Ambara mine, Junnordeo P. O., Central Provinces.	N. H. Ojha & Co., Ltd.	Makhoo Kotwar, (m.), 29, Timberman.	Coal .	While deceased was erecting supports in a depillaring area, a mass of roof shale, 8'×4'×6" fell from a concealed "slip" at a height of 6½ feet. He was struck and sustained serious injuries to which he succumbed two days later. Inspection and inquiry made.
54	11th July, 3-30 P.M.	Sijua mine, Sijua P. O., Bihar.	Tata Iron & Steel Co., Ltd.	Sukar Mohamad, (m.), 32, Timberman.	Coal .	While props were being withdrawn from a depillaring areas by a "Sylvester" prop withdrawer, deceased attempted to recover a partially buried prop, when he was struck and killed instantly by a mass of coal, weighing about ¼ a ton, which fell on him from the roof at a height of about 9 feet. Inspection and inquiry made.
55	15th July, 11 A.M.	Serampore mine, Giridih P. O., Bihar.	State Railway's Coal Department.	Jagarnath Kahar, (m.), 45, Coal-cutter.	Coal .	While engaged in supporting insecure roof, deceased was fatally injured by a mass of roof stone which fell from a height of 5 feet. Inspection and inquiry made.
56	17th July, 11-30 P.M.	Jogta mine, Sijua P. O., Bihar.	Agabeg Brothers, Ltd.	Mahato Bhar, (m.), 28, Loader.	Coal .	A mass of stone, 8'×2' 6"×1' thick, fell from between two parallel "slips" in the roof of a gallery 20 feet high in a depillaring area and struck deceased, killing him on the spot. Inspection and inquiry made.
57	23rd July, 2-30 P.M.	Budroochuck mine, Sijua P. O., Bihar.	Budroochuck Coal Mining Co., Ltd.	Tirath Raj Tewary, (m.), 52, Coal-cutter.	Coal .	While clearing a fall of roof stone in a gallery 18 feet high, deceased was seriously injured by a small piece of stone weighing about 5 lbs., which fell on him from the roof. Septicemia supervened and he died one and a half month after the accident. Inspection and inquiry made.
58	25th July, 1 A.M.	Namdang mine, Margherita P. O., Assam.	The Assam Rail- ways & Trading Co., Ltd.	Abdul Aziz, (m.), 22, Coal-puller.	Coal .	While at work in an 'opening' deceased was struck by a piece of stone, 1' 2"×9"×6", which fell from the roof at a height of 15 feet and fatally injured him. Inspection and inquiry made.

59	5th August, 11-30 A.M.	East Bhuggardih mine, Jharua P. O., Bihar.	East Bhuggardih Colliery Co., Ltd.	Mukdeo Singh, (m.), 36, Coal-cutter. Aklu Bhuiya, (m.), 40, Loader.	Coal	The deceased left their working place and entered a fenced off area to obtain fallen coal from the edge of a goaf, when a mass of roof-coal, 8' x 5' x 2', fell from a height of 14 feet, killing one man instantly and fatally injuring the other. A "slip" was exposed in the roof after the fall. Inspection and inquiry made.
60	15th August, 2-45 P.M.	Jamuria (A & B Pits) mine, Charanpur P. O., Bengal.	Equitable Coal Co., Ltd.	Ramprasad Noonia, (m.), 30, Loader.	Coal	While filling a basket with coal blasted from the roof of a gallery near the edge of a goaf preparatory to commencing the extraction of a pillar, deceased was struck and killed instantly by a mass of roof-coal, weighing about 4 tons, which fell unexpectedly from a height of 11 feet. Another person received serious injuries. Inspection and inquiry made.
61	18th August, 12 mid-night.	Burra Dhemo mine, Sitarampur P. O., Bengal.	Burra Dhemo Coal Co., Ltd.	Daro Pisman, (m.), 52, Coal-cutter.	Coal	While a number of persons was loading coal in a depillaring area in a seam dipping 1 in 5, a mass of stone, weighing about 4 tons, fell inside a goaf and rolled down, knocking out several props. Deceased, it is presumed, was struck by a prop and fatally injured. Inspection and inquiry made.
62	21st August, 9-30 P.M.	Hingir Rampur, Jharsaguda P. O., Orissa.	Hingir Rampur Coal Co., Ltd.	Kikhidass Painka (m.), 44, Timberman.	Coal	While a gang of timbermen was engaged in re-erecting a cog which had been dislodged as the result of blasting in a depillaring area, a mass of shale, 8' x 6' x 1' thick, fell from the roof at a height of 8 feet and struck deceased who sustained serious injuries to which he succumbed 3 hours later. Inspection and inquiry made.
63	23rd August, 4 P.M.	Gauripur mine, Pachamba P. O., Bihar.	Sednull Rameshar Lal.	Wazir Nawa, (m.), 20, Miner.	Mica	While cleaning out an old inclined shaft, deceased was struck by a mass of stone, 3' x 3' x 2' thick, which fell from the roof at a height of 7 feet. He was killed instantly. Inspection and inquiry made.
64	27th August, 6 A.M.	Ramnagar mine, Kulti P. O., Bengal.	Bengal Iron Co., Ltd. (In liquida- tion.)	Punit Mahato, (m.), 35, Sirdar.	Coal	During depillaring operations deceased withdrew the miners from their working place because of indications of "weighting". He, however, waited too long at the goaf edge, and was struck and fatally injured by two props which were dislodged by falling roof. Inspection and inquiry made.
65	3rd September, 1 A.M.	Foidih mine, Sundarchak P. O., Bengal.	Bengal Coal Co., Ltd.	Jagannath Jeswara, (m.), 25, Labourer.	Coal	While assisting to dislodge a piece of loose coal from the roof of a gallery, 13 feet high, preparatory to setting a prop, deceased was struck and fatally injured by a mass of coal, 1' 6" x 1' 6" x 2', which fell unexpectedly from the roof. Inspection and inquiry made.

APPENDIX II—cont'd.

Fatal Accidents during the year 1912—cont'd.

Serial Number.	Date and hour of accident.	Name, and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
(a) Falls of roof—(122 deaths)—cont'd.						
66	4th September, 6 A.M.	Dishergarh West mine, Dishergarh P. O., Bengal.	Equitable Coal Co., Ltd.	Sibu Bauri, (m.) 59. Khara Bauri, (m.) 39. <i>Trammers.</i>	Coal	While two trammers were walking along a shaft level they were struck by a mass of coal and shale, 15'×9'×1', which fell from the roof at a height of 9 feet. One trammer was killed instantly, and the other fatally injured. Inspection and inquiry made.
67	9th September, 2-45 P.M.	Kurhurbarce mine, Giridih P. O., Bihar.	State Coal Department.	Jaharali Meah, (m.) 53. <i>Coal-cutter.</i>	Coal	While engaged in erecting supports in a depillaring area deceased was fatally injured by a mass of roof coal, 16'×8'×4' thick, which fell from a "slip" at a height of 7 feet. Inspection and inquiry made.
68	9th September, 8 P.M.	Poidih mine, Sundarbhak P. O., Bengal.	Bengal Coal Co., Ltd.	Rupal Hazra, (m.) 35. <i>Coal-cutter.</i>	Coal	While deceased was cutting floor coal in a gallery 15 feet high a piece of shale 3' 6"×3'×4", fell from the roof and fatally injured him. Inspection and inquiry made.
69	14th September, 12 noon.	Ramongora mine, Nudkharkee P. O., Bihar.	Howrah Trading Co., Ltd.	Chottu Mahato, (m.) 34. <i>Timberman.</i>	Coal	While deceased was engaged in setting a prop in a level gallery, a mass of roof, 30'×12'×3', suddenly fell on him from a height of 11 feet. He was killed instantly. Inspection and inquiry made.
70	20th September, 7-30 A.M.	Sripur (Nos. 1, 2 & 3 Pits) mine, Kalipahari P. O., Bengal.	Lodna Colliery Co. (1920), Ltd.	Sibu Turi, (m.) 36. Sirdar.	Coal	While four loaders were engaged in loading roof coal, which had been recently blasted in a gallery, 14 feet high, a "bump" occurred, and about a tub of coal fell from the side of the gallery. A piece of this coal rolled down the heap of blasted coal and struck deceased, fatally injuring him. Inspection and inquiry made.
71	22nd September, 4-30 P.M.	Banksimula (7 & 8 Pits) mine, Chauranpur P. O., Bengal.	Bengal Coal Co., Ltd.	Badal Majhi, (m.) 29. <i>Coal-cutter.</i>	Coal	While four miners were loading coal which had been blasted from the side of a pillar, a mass of coal, 10'×5'×1' 6", fell from a concealed "slip" in the roof at a height of 7 feet. Deceased was buried and killed on the spot. Inspection and inquiry made.

72	26th September, 9-30 P.M.	Mudidih mine, Sijua P. O., Bihar.	Burrakur Coal Co., Ltd.	Bodhi Pasi, (m.) 45, Coal-cutter.	Coal	While a gang of miners was engaged in cutting floor-coal, a mass of roof, 2' square $\times$ 1' thick, fell from between two concealed "slips", dislodging a prop 24 feet long. The lid attached to the falling prop struck deceased and inflicted fatal injuries. Inspection and inquiry made.
73	30th September, 11 P.M.	Nandi mine, Charanpur P. O., Bengal.	Mondal Brothers	Mohan Majhi, (m.) 42, Coal-cutter.	Coal	While drilling a shot-hole in a pillar of coal, deceased was struck by a piece of stone 3' $\times$ 2' 6" $\times$ 6", which fell from the roof at a height of 15 feet. He was killed instantly. Inspection and inquiry made.
74	30th September, 11-45 A.M.	South East Baraboni mine, Charanpur P.O., Bengal.	Maharaja S. C. Nandi.	Dhenga Kole, (m.) 37, Coal-cutter.	Coal	During depillaring operations in a seam 12 feet thick, there was an extensive collapse of roof inside an adjoining goaf resulting in an extension of the fall-to a pillar under extraction. Deceased was struck by a mass of roof coal and stone and killed on the spot. Inspection and inquiry made.
75	3rd October, 11-30 P.M.	Amlabad mine, Jaulgora P.O., Bihar.	Eastern Coal Co., Ltd.	Rajak Meah, (m.) 26, Loader.	Coal	While proceeding to his working place, deceased was killed by a mass of stone, 9' $\times$ 6' $\times$ 1', which fell on him from the roof of a gallery at a height of 8 feet. Inspection and inquiry made.
76	5th October, 4-30 P.M.	Kolhiya mine, Junnordeo P.O., Central Provinces.	The Kolhiya Hird- garh Co., Ltd.	Sarwan Mehra, (m.) 28, Loader.	Coal	Deceased was struck and fatally injured by a mass of coal, 2'-3" $\times$ 1'-6" $\times$ 1'-3", which fell from the roof at a height of 10 feet. Inspection and inquiry made.
77	6th October, 11 P.M.	Sectalpur mine, Dishergarh P.O., Bengal.	Bengal Coal Co., Ltd.	Mofu Kole, (m.) 60, Coal-cutter.	Coal	While a miner was cutting roof coal in a gallery he was slightly injured by a small piece of coal which fell from the roof. The wound turned septic, and he died from Pneumonia thirteen days later. Inspection and inquiry made.
78	8th October, 12-30 P.M.	Bhagaband mine, Jharia P.O., Bihar.	Borrea Coal Co., Ltd.	Nanak Ram Painka. (m.) 25, Loader.	Coal	During depillaring operations in a seam 9 feet thick, there was an extensive collapse of inferior roof coal in an adjoining goaf and a "stook" of coal, 6' $\times$ 5', on which work was in progress, collapsed. Deceased was struck by the falling coal and sustained injuries which proved fatal a short time later. Inspection and inquiry made.
79	12th October, 6-30 A.M.	Pretoria mine, Charanpur P.O., Bengal.	Seebpore Coal Co., Ltd.	Chura Singh, (m.) 38, Timberman.	Coal	Deceased was struck and fatally injured by a mass of stone which fell from the roof at a height of 13 feet in a depillaring area. Inspection and inquiry made.
80	20th October, 12 Noon.	West Shampur mine, Nirsha P.O., Bihar.	B. L. Agarwala.	Mangal Bouri, (m.) 22, Miner.	Coal	While deceased was cutting coal from the corner of a pillar, a mass of coal and roof shale, 5' $\times$ 5' $\times$ 1', fell off a concealed 'slip', and struck him. He sustained injuries to which he succumbed 8 hours later. Inspection and inquiry made.

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APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
(a) Falls of roof—(122 deaths)—contd.						
81	20th October, 6 P.M.	Victoria West mine, Barakar P.O., Bengal.	New Beerbhoom Coal Co., Ltd.	Mangar Turi, (m.), 36, Coal-cutter.	Coal	While deceased was filling a basket with coal in a gallery, 9 feet wide and 8 feet high, a mass of coal, weighing about one cwt. fell on him from a "slip" in the roof, which had been previously dressed and timbered. He was fatally injured. Inspection and inquiry made.
82	5th November, 6-30 P.M.	Hurriladih mine, Jharia P. O., Bihar.	Equitable Co., Ltd.	Coal Harku Mahato, (m.), 36, Labourer.	Coal	While props were being withdrawn in a depillaring area a mass of roof coal, 25'×3'×2' thick, suddenly collapsed and dislodged a prop 9 feet long. Deceased was struck by a piece of the falling coal and fatally injured. Inspection and inquiry made.
83	7th November, 12 noon.	Jamuria (A & B Pits) mine, Charanpur P. O., Bengal.	Equitable Co., Ltd.	Coal Kamal Barhi, (m.), 43, Timberman.	Coal	While assisting to dismantle a cog from the edge of a goaf, deceased was struck and killed on the spot by a mass of roof coal, weighing about a ton, which unexpectedly fell from a height of 7 feet. Inspection and inquiry made.
84	13th November, 4-30 A.M.	Gondudih mine, Kusunda P. O., Bihar.	Central Alkusa Colliery Co.	Somai Bhuiya, (m.), 22, Loader.	Coal	While a gang of loaders was at work in a depillaring area, a mass of stone, 6'×4'×1' thick, suddenly fell from between two concealed "slips" in the roof at a height of 14 feet. Two persons were seriously injured one of whom succumbed to his injuries six hours later. Inspection and inquiry made.
85	15th November, 1-30 A.M.	Banksimula (7 & 8 Pits) mine, Charanpur P. O., Bengal.	Bengal Co., Ltd.	Coal Majhia Majhi, (m.), 36, Coal-cutter.	Coal	While a number of persons was engaged in loading coal after blasting in a machnecut gallery, 7 feet high, a mass of coal measuring about 3'×2'×2', fell unexpectedly from a distinct "parting" in the roof. Deceased was struck and killed instantly and another person received serious injuries. Inspection and inquiry made.

86	25th November, 4 A.M.	Namdang mine, Margherita F. O., Assam.	The Assam Rail- ways and Trad- ing Co., Ltd.	Laskar Pathan, (m.), 21, Coal-puller.	Coal	While four persons were at work in an "opening" at 100 feet height, indications of "weight" were detected by the sirdar who ordered everyone out of the "opening". Deceased while trying to gain a place of safety, fell, and was buried by about 1½ tons of coal, which fell from the roof and killed him instantly. Inspection and inquiry made.
87	25th November, 1-30 A.M.	Akhalpur Colliery, Charanpur P. O., Bengal.	Hurriladih Coal Co., Ltd.	Chainoo Rajbar, (m.), 30, Timberman.	Coal	While a timberman was resetting dislodged prop after blasting operations near a stook of coal under extraction the stook collapsed. He was buried under the fall of roof and killed on the spot. Inspection and inquiry made.
88	25th November, 10 A.M.	Kongon and Borjan mine, Kongnyu P. O., Assam.	The Nazira Coal Co., Ltd.	Krishna Bahadur Sonar, (m.), 35, Coal-cutter.	Coal	While a number of miners was at work in an "opening" a severe "bump" occurred which caused a fall of roof in the "opening". One of the miners was buried and killed instantly. Inspection and inquiry made.
89	27th November, 6-15 P.M.	Chasnalla mine, Pathardih P. O., Bihar.	Indian Iron and Steel Co., Ltd.	Jaleswar Mahato, (m.), 26, Coal-cutter.	Coal	While deceased was engaged in cutting down roof coal, a mass of coal, 3' x 2' x 1', fell on him from a height of 7 feet. He was killed instantly. Inspection and inquiry made.
90	27th November, 6-30 A.M.	Jotejanaki Khas mine, Toposi P. O., Bengal.	Banerjee Santan	Bhatu Chamar, (m.), 40, Nanku Rana, (m.), 32, Dukhu Rana, (m.), 42, Patru Chamar, (m.), 49, Santoki Chamar, (m.), 21, Jhopa Majhi, (m.), 32, Coal-cutters.	Coal	A gang of miners entered a fenced goafed area adjoining their working place, and was loading fallen coal, when a mass of shale, 1' x 9' x 6", fell suddenly from the roof at a height of about 17 feet. Three of them were killed outright and three sustained serious injuries to which they succumbed shortly afterwards. Inspection and inquiry made.
91	16th December, 5 A.M.	Parasi mine, Parasia P. O.	Rai Shih H. L. Verma and M. Kanaya Lal, Ltd.	Parasnath, (m.), 46, Coal-cutter.	Coal	While at work in a gallery, deceased was struck and fatally injured by a mass of stone 4' x 3' x 6" which fell from a fault plane at a height of 6 feet.  Had the sirdar in charge carried out his duties of supervision properly, the accident would not have occurred. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			(a) Falls of roof—(122 deaths)—concl'd.			
92	18th December, 3 P.M.	Kirkend mine, Kusunda P. O., Bihar.	Kirkend Coal Co. .	Churamon Bhuiya, (m.), 40, Coal-cutter.	Coal .	While deceased was at work in a depillaring area, a mass of roof coal, 6'×4'×1'6" thick, fell from a height of 10 feet due to weighting in an adjoining goaf. He was struck by the falling coal and killed instantly. Inspection and inquiry made.
93	22nd December, 4 P.M.	Methani mine, Sitarampur P. O., Bengal.	Equitable Coal Co., Ltd.	Paban Majhi, (m.), 46, Coal-cutter.	Coal .	While deceased and his companion were carrying coal in a depillaring area, a "bump" occurred, causing a mass of roof coal, 4'6"×2'6"×2', to fall off a prominent "cleat" at a height of 12 feet. Deceased was killed instantly and the other miner sustained serious injuries. Inspection and inquiry made.
94	23rd December, 3 A.M.	Lodna mine, Jharia P. O., Bihar.	Lodna Colliery Co., (1920), Ltd.	Brihaspat Bhuiya, (m.), 40, Jahar Bhuiya, (m.), 41, Loaders.	Coal .	While the deceased were engaged in loading coal obtained by blasting roof coal in a gallery, they were struck by some pieces of roof-coal which fell on them from a height of 7 feet. One was killed instantly and his companion succumbed to his injuries two hours later. Inspection and inquiry made.
95	24th December, 2-45 P.M.	Mudidih mine, Sijua P. O., Bihar.	Burrakur Coal Co., Ltd.	Somar Bhuiya, (m.), 30, Coal-cutter.	Coal .	While deceased was cutting roof coal in a gallery 12 feet high, he loosened a mass of coal, 4'×3'×1'6". In attempting to jump clear, he was caught by the falling coal and fatally injured. A "slip" was exposed after the fall. Inspection and inquiry made.
96	26th December, 3 P.M.	Sodepur (Nos. 9 and 10 Pits) mine, Sundarchak P. O., Bengal.	Bengal Coal Co., Ltd.	Bahadur Ghatwar, (m.), 33, Lekha Kole, (m.), 31, Coal-cutters.	Coal .	While the deceased were filling their baskets with coal stack neared the entrance to a level in a depillaring area, a "bump" occurred, causing a mass of roof coal and stone 15'×12'×4'6", to fall from a height of 11 feet. They were buried and killed instantly. Inspection and inquiry made.



97	28th December, 3-30 P.M.	Ena mine, Jharia P. O., Bihar.	North West Coal Co., Ltd.	Shew Prasad Bilaspuri, (m.), 45, Coal-cutter.	Coal	While resting in a gallery by a mass of stone, 9'×5'×3" thick, which fell between two parallel concealed "slips" in the roof. Inspection and inquiry made.
98	30th December, 4-30 P.M.	Lodna (Nos. 4 and 5 Pits) mine, Jharia P. O., Bihar.	Lodna Colliery Co. (1920), Ltd.	Ram Lal Ahir, (m.), 40, Loader.	Coal	While deceased was halting in a gallery, a "bump" occurred in a neighbouring goaf, causing a mass of roof coal, 1'6"×1'×4" to fall on him from a height of 14 feet. He sustained serious injuries and died 2½ hours later. Inspection and inquiry made.
99	31st December, 10-30 A.M.	Bararee mine, Jealgora P. O., Bihar.	East Indian Coal Co., Ltd.	Dinai Pasi, (m.), 42, Coal-cutter.	Coal	While employed in a depillaring area deceased was fatally injured by a mass of coal, weighing about 1 cwt., which fell from a pronounced "slip" in the roof at a height of about 20 feet. Inspection and inquiry made.
100	31st December, 6 A.M.	Lodna (Nos. 4 and 5 Pits) mine, Jharia P. O., Bihar.	Lodna Colliery Co., (1920), Ltd.	Ram Nath Jaswara (m.), 38, Loader.	Coal	While deceased was at work in a depillaring area, a "bump" occurred causing a mass of roof coal 2'×1'×9", to fall on him from a height of 13 feet. He sustained injuries which proved fatal half an hour later. Inspection and inquiry made.
101	31st December, 4-45 P.M.	Khudika mine, Salanpur P. O., Bengal.	Srikrishna Colliery Co.	Chota Bholu Bauri, (m.), 34, Coal-cutter.	Coal	While at work in gallery, 4½ feet high, deceased was struck and killed instantly by a mass of roof stone, 8'×3'×2'6", which fell unexpectedly from between two concealed and converging "slips". Inspection and inquiry made.
(b) Falls of sides—(82 deaths).						
102	1st January, 8 A.M.	Kitaburu mine, Chaibassa P. O., Bihar.	Tata Iron & Steel Co., Ltd.	Bir Singh, (m.), 27, Miner.	Chromite.	While engaged in clearing away debris in a quarry, deceased was killed on the spot by a mass of stone, 6'×6'×3' thick, which fell from an overhanging side of the quarry at a height of about 8 feet. Inspection and inquiry made.
103	15th January, 12-15 A.M.	Ghorawari mine, Ghorawari/Junnor- deo P. O., Central Provinces.	Hirdagarh Collieri- es, Ltd.	Chhotelal, (m.), 25, Loader.	Coal	Deceased entered a fenced goaf to "rob" coal from the side of a pillar, when a mass of side coal 6'×2'×1'6", fell on him. He received serious injuries to which he succumbed 16 days later. Inspection and inquiry made.
104	16th January, 12-30 A.M.	Jamadoba mine, Jealgora P. O., Bihar.	Tata Iron & Steel Co., Ltd.	Basdeo Chamar, (m.), 20, Labourer.	Coal	A mass of coal, 7'×3'6"×1' thick, fell from the side of a gallery in a depillaring area, on to deceased inflicting fatal injuries. Inspection and inquiry made.
105	20th January, 6 A.M.	Bhugatdih mine, Jharia P. O., Bihar.	Bengal Nagpur Coal Co., Ltd.	Aklu Majhi, (m.), 45, Coal-cutter.	Coal	Deceased was struck and fatally injured by a mass of coal, 5'×4'×1'6", which fell from the side of a pillar at a height of 6 feet. Inspection and inquiry made.

**APPENDIX II—contd.**  
**Fatal Accidents during the year 1942—contd.**

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			<i>(b) Falls of sides—(52 deaths)—contd.</i>			
106	22nd January, 6-30 A.M.	Dishergarh West mine, Dishergarh P. O., Bengal.	Equitable Coal Co., Ltd.	Kristo Bauri, (m.), 38, Loader.	Coal	While a loader was emptying a basket of coal into a tub, a piece of coal, 4'×1'6"×1', fell from the side of an adjacent pillar, and dislodged a prop. The prop in falling struck deceased on the head fatally injuring him. Inspection and inquiry made.
107	27th January, 1-30 P.M.	Devala mine, Mango Range P. O., Madras.	South Indian Gold Prospecting Co., Ltd.	Iymutty, (m.), 21, Labourer.	Gold	While cleaning operations were in progress in a underground tunnel, a large mass of debris rolled down from a cavity in the roof and buried deceased. He sustained a fracture of the spine and died two days later. Inspection and inquiry made.
108	9th February, 12 noon.	Kurhurbaree mine, Giridih P.O., Bihar.	State Railways' Coal Department.	Tula Gope, (m.), 28, Coal-cutter.	Coal	Deceased was fatally injured by a mass of coal which fell from the side of a pillar in a depillaring area. Inspection and inquiry made.
109	11th February 3 P.M.	Tekwa Prospecting mine, Domchanch P. O., Bihar.	Seth Sohannul Golchha.	Bhonoa Bhuiya, (m.), 27, Miner.	Mica	While deceased was sitting in an underground drive, a mass of side, 4'×3'6"×8", fell on him from a height of 6 feet. He sustained injuries which proved fatal shortly afterwards. Inspection and inquiry made.
110	12th February 2 P.M.	Balaghat mine, Bharweli P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ltd.	Dhondoo Lodhi, (m.), 53, Miner.	Manganese	While a number of persons was at work in a stope, a mass of ore and schist, weighing about 20 tons, fell from a concealed "parting" in the hanging wall at a height of 8 feet. Deceased was struck and fatally injured. Inspection and inquiry made.
111	14th February 6-10 A.M.	Godhur mine, Kusunda P. O., Bihar.	B. K. Roy.	Sanichar Meah, (m.), 26, Loader.	Coal	While a gang of workers was loading coal in a depillaring area, mass of coal, 6'×6'×1', suddenly fell from the side of a pillar at a height of 15 feet, killing one of them instantly and seriously injuring another. The fall exposed a "slip" in the pillar. Inspection and inquiry made.

112	18th February 4-45 A.M.	Sodepur (Nos. 9 & 10 Pits) mine, Sundarchak P. O., Bengal.	Bengal Coal Co., Ltd.	Bhutak Meah, (m.), 44, Coal-cutter.	Coal	While deceased was cutting coal in a depillaring area, a mass of coal 6'x3'x6", burst off the side from a height of 8 feet. He was struck by the falling coal and sustained injuries, which proved fatal 6 hours later. Inspection and inquiry made.
113	25th February 3 P.M.	Ghogri-Barkui mine, Junnordoo P. O., Central Provinces.	Walji Bhimji & Sons.	Dorelal, (m.), 45, Sirdar.	Coal	Deceased was sitting on the top of a quarry, adjoining some unsound side which was being dressed, when a mass of earth, 15'x8'x5', collapsed beneath him. He was thrown into the quarry and killed instantly. Inspection and inquiry made.
114	6th March, 12-30 A.M.	Lodna (Nos. 4 and 5 Pits) mine, Jharia P.O., Bihar.	Lodna Colliery Co. (1920), Ltd.	Suku Roy, (m.), 45, Coal-cutter.	Coal	As a result of "weighting" in a neighbouring goaf, a mass of coal weighing about 3 cwt. fell from the side of a pillar at a height of 20 feet. The falling coal dislodged a prop which struck deceased, inflicting injuries to which he succumbed 17 hours later. Inspection and inquiry made.
115	9th March, 4 P.M.	Seetalpur mine, Dishergharh P.O., Bengal.	Bengal Coal Co., Ltd.	Kasho Pasmon, (m.), 38, Timberman.	Coal	While a sirdar and two timbermen were passing through a gallery 12 feet in width and 14 feet in height, in the course of their inspection, a mass of coal, 20'x10'x2', fell from the side of a pillar and struck one of the timbermen, killing him instantly. Inspection and inquiry made.
116	10th March, 2-45 P.M.	Chandametta mine, Parasia P.O., Central Provinces.	Pench Valley Coal Co., Ltd.	Dharmu Gond, (m.), 34, Coal-cutter.	Coal	Deceased was sitting down in a depillaring area when a mass of undercut coal, 5'x4'6"x2'6", fell from the side of a pillar and dislodged a prop, which struck him. He was killed instantly. Inspection and inquiry made.
117	17th March, 3 P.M.	Murli mine, Ganwan P.O., Bihar.	Bihar National Mica Syndicate.	Hoorn Bhola, (m.), 45, Miner.	Mica	While working in an excavation about 5 feet square and 14 feet deep, made in an o'd mica dump, deceased was buried by a fall of side. He was suffocated before he could be extricated. Inspection and inquiry made.
118	19th March, 5-30 P.M.	Jealgora mine, Jealgora P.O., Bihar.	East Indian Coal Co., Ltd.	Panch Ram Bilaspuri, (m.), 30, Loader. Bukhlu Bilaspuri, (m.), 32, Coal-cutter.	Coal	While a gang of miners was loading coal in a depillaring area in a seam 25 feet thick, a slab of coal, 15'x3'x1', burst off a "rib" along the side of a goaf and dislodged three props. Two miners were fatally struck and two were seriously injured by the falling coal and props. Inspection and inquiry made.
119	23rd March, 2-30 P.M.	Mahakali mine, Kodarma P.O., Bihar.	Rai Bahadur L. N. Sukhani.	Jagannath Chatterjee, (m.), 25, Shift-incharge.	Mica	While the roof and sides of an underground level were being deersed after blasting operations, a mass of schist, 2'6"x1'6"x6", fell off the side at a height of 4 feet. Two men were struck and sustained serious injuries, one of whom succumbed 24 days later. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
<i>(b) Falls of sides—(82 deaths)—contd.</i>						
120	27th March, 9-30 P.M.	West Jamuria mine, Charanpur P.O., Bengal.	West Jamuria Coal Co., Ltd.	Khoka Bauri, (m.), 39, Labourer.	Coal	While deceased was sitting in an underground gallery, 9 feet high, a mass of coal, 9' × 5' × 2', fell from the side from a height of 5 feet. He was struck and killed instantly. Inspection and inquiry made.
121	31st March, 10-30 A.M.	Budroochuck mine, Sijua P.O., Bihar.	Budroochuck Coal Mining Co., Ltd.	Paika Majhi, (m.), 30, Dhanoo Majhi, (m.), 25, Coal-cutters.	Coal	The deceased passed through a fence to remove fallen coal from the edge of goaf, when a mass of side-coal, 9' × 4' × 3', fell on them from a height of 6 feet. They were killed instantly. Inspection and inquiry made.
122	3rd April, 11 A.M.	West Jamuria mine, Charanpur P.O., Bengal.	West Jamuria Coal Co., Ltd.	Habib Sheikh, (m.), 42, Stone-cutter.	Coal	Deceased was supervising the cutting of a drain in an underground gallery, adjoining a depillaring area, when a mass of coal fell from the side of a pillar displacing a pipe range. He was struck by one of the pipes and fatally injured. Inspection and inquiry made.
123	7th April, 4 P.M.	Ekra Khas mine, Banajora P.O., Bihar.	Maharaja S. C. Nandi.	Sanichar Bhuiya, (m.), 40, Coal-cutter.	Coal	Deceased was standing on a ladder levering down a mass of coal from the side of a pillar after blasting, when a piece of coal fell and dislodged the ladder. He fell from the ladder and sustained injuries which proved fatal 4 days later. Inspection and inquiry made.
124	8th April, 1 P.M.	Jeenagora (East Bararee) mine, Jharia P.O., Bihar.	Jeenagora (East Bararee) Colliery Co., Ltd.	Haru Mallick, (m.), 25, Coal-cutter.	Coal	After blasting, a gang of miners was arranging to dress the side of a pillar under extraction, when about one ton of coal burst from the side, displacing a prop which struck deceased killing him instantly. Inspection and inquiry made.
125	10th April, 2 P.M.	Sodepur (Nos. 9 & 10 Pits) mine, Sundarchak P. O., Bengal.	Bengal Coal Co. Ltd.	Moti Bauri, (m.), 32, Coal-cutter.	Coal	In a depillaring area, while deceased was cutting a "rib" of coal against a goaf packed with sand, a mass of coal and sand rolled down from near the roof, injuring him fatally. Inspection and inquiry made.

126	11th April, 3-15 A.M.	Bokaro-Jharia mine, Karmatand P. O., Bihar.	Agarwalla Bro- thers.	Bishu Rai, (m.), 43, Loader.	Coal .	A mass of coal, 3' x 3' x 2' 6" fell from the side of a pillar under extraction, dislodging a prop 9' long. The falling prop was deceased inflicting fatal injuries. A concealed "slip" in the pillar was exposed after the fall. Inspection and inquiry made.
127	28th April, 1-30 P.M.	Bejdih mine, Sunderchak P. O., Bengal.	Equitable Coal Co., Ltd.	Gambhir Roy, (m.), 27, Coal-cutter.	Coal .	Deceased was struck by a mass of coal, 8' x 4' x 6" x 1' 9", which fell from the side of a pillar. He sustained injuries to which he succumbed 3½ hours later. Inspection and inquiry made.
128	29th April, 5-20 A.M.	Lodna mine, Jharia P. O., Bihar.	Lodna Colliery Co., (1920), Ltd.	Munji Pasi, (m.), 34, Loader.	Coal	While a gang of four loaders was engaged in loading coal in a gallery in a depillaring area, a mass of coal, 6' x 4' x 2' thick, fell unexpectedly from the side of a pillar from a height of about 10 feet. One loader sustained fatal injuries and another was seriously injured. Inspection and inquiry made.
129	30th April, 2 P.M.	Datla mine, Junnordeo P.O., Central Provinces.	Amalgamated Coal- fields, Ltd.	Bhopat Mehra, (m.), 35, Loader.	Coal .	While loose coal was being dressed down in a depillaring area in a seam 8 feet thick after blasting operations, a piece of coal brought down by a pick, struck, and dislodged a prop. Deceased, who was filling a basket close by, was struck by the prop and fatally injured. Inspection and inquiry made.
130	30th April, 10 A.M.	Dhemo Main mine, Sarampur P. O., Bengal.	Dhemo Main Collieries, Ltd.	Niru Kole, (m.), 55, Loader.	Coal .	While deceased was filling a basket with debris in an incline cutting 24 feet deep, a mass of stone, 2' x 2' x 2', fell unexpectedly from a height of 7 feet. He was struck and fatally injured. Inspection and inquiry made.
131	1st May, 2-15 P.M.	Dhori mine, Bokaro P. O., Bihar.	Bokaro & Ramgur, Ltd.	Pusha Majhi, (m.), 48, Coal cutter.	Coal .	While deceased was cutting coal from the side of a pillar under extraction, a mass of coal, 6' x 3' x 2' thick, fell from a "slip" in the side of the pillar at a height of about 9 feet and struck him, inflicting fatal injuries. Inspection and inquiry made.
132	14th May, 12 Noon.	Dakor mine, Keira P. O., Bombay Presi- dency.	The Governor General in Coun- cil.	Gulbi Bai, (f.), 50, Zini Bai, (f.), 29, Coolies.	Stone .	While two women were at work in a quarry 11 feet deep, an overhanging mass of soft earth fell down and killed them on the spot.
133	15th May, 3 P.M.	Methani mine, Sarampur P. O., Bengal.	Equitable Coal Co., Ltd.	Sanu Kanda, (m.), 30, Coal-cutter.	Coal .	Deceased was killed by a mass of coal weighing about 1½ tons which became dislodged, from a concealed "cleat" in the side of a pillar due to bump. Inspection and inquiry made.
134	19th May, 6 A.M.	Jama Jaha mine, Jehanpore P. O., Bihar.	Tata Iron & Steel Co., Ltd.	Bhukao Bilaspuri, (m.), 35, Loader.	Coal .	While engaged in loading coal in a depillaring area, deceased was struck and fatally injured by a prop which was dislodged by a mass of coal, 8' x 6' x 1' 6" thick, which fell from the side of a pillar from a height of about 6 feet. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			<i>(b) Falls of sides—(82 deaths)—contd.</i>			
135	21st May, 7 A.M.	Dishergarh mine, Dishergarh P. O., Bengal.	Equitable Coal Co., Ltd.	Sona Mahato, (m.), 38, <i>Coal-cutter.</i>	Coal	While deceased was cutting coal in a depillaring area in a seam 1 foot thick, a mass of coal, weighing about a ton, burst from the side of a pillar on to him. He sustained serious injuries and died 23 days later. Inspection and inquiry made.
136	22nd May, 4.30 A.M.	Lodna mine, Jharia P. O., Bihar.	North Burrakur Coal Co., Ltd.	Lal Kora, (m.), 36, <i>Coal-cutter.</i>	Coal	In a depillaring area, deceased was struck and fatally injured by a prop, 7 feet long, which was dislodged by a fall of 4 tons of coal which fell from the side of a pillar. His companion was seriously injured by some of the falling pieces of coal. Inspection and inquiry made.
137	27th May, 11 P.M.	Kustore mine, Kusunda P. O., Bihar.	Raneegunge Coal Assoc'n, Ltd.	Pannilal Kurmi, (m.), 32, <i>Coal-cutter.</i>	Coal	While deceased was levering down some loose coal from a pillar under extraction, a mass of coal, weighing about 5 tons, fell off a concealed "slip" from the side of the pillar at a height of 9 feet and injured him fatally. Two loaders also sustained serious injuries. Inspection and inquiry made.
138	30th May, 4 P.M.	North Damuda mine, Nudkurkee P. O., Bihar.	Shankarlal Agar- walla.	Nishu Bauri, (m.), 48, <i>Loader.</i>	Coal	While working in a depillaring area, a loader was killed by a mass of coal, weighing about one ton, which fell on him from the corner of a pillar at a height of 25 feet. A "slip" was exposed after the fall. Inspection and inquiry made.
139	30th May, 12.30 A.M.	Banksimula mine, Charanpura P. O., Bengal.	Bengal Coal Co., Ltd.	Deosaran Singh, (m.), 35, <i>Coal-cutter.</i>	Coal	While deceased was drilling a shot-hole in the side of a pillar under extraction, he was struck by a piece of coal which fell from the side at a height of 17 feet. He received serious injuries and died of septicaemia five days later. Inspection and inquiry made.

140	11th June, 3 P.M.	Kurhbaroo mine, Giridih P. O., Bihar.	State Railways' Coal Department.	Agnu Kolo, (m.), 42, Budhu Majhi, (m.), 22, Coal-cutters.	Coal	While a number of persons was at work in a depillaring area a severe "bump" occurred and dislodged a mass of side coal and some roof stone. One was killed instantly and two others sustained serious injuries one of whom subsequently died. Inspection and inquiry made.
141	14th June, 5-30 A.M.	Deoli mine, Dishergarh P. O., Bihar.	Deoli Coal Co., Ltd.	Dubraj Roy, (m.), 30, Timberman.	Coal	While deceased was preparing to secure the side of a small pillar, which was known to be unsafe, he was struck and killed instantly by a mass of coal, 10' x 10' x 2', which unexpectedly fell from a "slip" in the side. Inspection and inquiry made.
142	21st June, 3-50 P.M.	Kargali mine, Bokaro P. O., Bihar.	State Railways' Coal Department.	Shew Nath, (m.), 45, Firangi, (m.), 35, Coal-cutters.	Coal	The top portion of one of a number of coal pillars 48 feet in height and measuring about 9 feet square at the top and 21 feet square at the bottom, which supported a bridge carrying a tram line for the disposal of debris in a quarry, collapsed unexpectedly when a number of miners was working nearby. The deceased were killed on the spot. Inspection and inquiry made.
143	23rd June, 9 P.M.	Mahakali mine, Chanda P. O., Central Provinces.	Aboobaker Abdul Rahman & Co.	Linga Ramloo, (m.), 24, Labourer.	Coal	While a loader was filling his basket with coal in an underground gallery, 8 feet wide and 5 feet high, a mass of coal, 3' x 2' x 2", fell from between two converging cleats in the roof. He was struck on the back and seriously injured. He died six and a half months later.
144	24th June, 1-45 P.M.	Standard mine, Jahria P. O., Bihar.	Standard Coal Co., Ltd.	Muhammad Siddhique, (m.), 30, Coal-cutter.	Coal	Deceased was struck and fatally injured by a piece of shale, 2' x 1' x 7", which fell from the side of a gallery from a height of 7 feet. Inspection and inquiry made.
145	26th June, 11-45 A.M.	Pretoria mine, Charanpur P. O., Dangal.	Seebpore Coal Co., Ltd.	Ruplal Chamar, (m.), 30, Coal-cutter.	Coal	After firing a shot in a pillar under extraction deceased was dressing loose coal off the side, when a mass of coal, weighing about a ton, fell on him. He sustained serious injuries to which he succumbed four months later. Inspection and inquiry made.
146	7th July, 1-30 P.M.	East Loyabad mine, Katrasgarh P. O., Bihar.	East Loyabad Coal Co.	Pithu Majhi, (m.), 30, Coal-cutter.	Coal	Deceased was resting under the overhanging side of a quarry 26 feet deep, when he was fatally struck by a mass of stone, 3' x 2'6" x 6", which fell from the side from a height of 8 feet. Inspection and inquiry made.
147	9th July, 11-30 A.M.	Panahia Square No. 21 of (small) mine, Kodarua P. O., Bihar.	Chrestien Mining Co., Ltd.	Asghar Ali Meah, (m.), 22, Miner.	Mica	While persons were engaged in removing debris from the bottom of a pit, 13' x 9' x 35' deep, a mass of earth and schist, 3' x 6' x 3' x 1' 6" thick, fell from the side at a height of 31 feet. Deceased was struck and fatally injured and one person was seriously injured. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
(b) FALLS OF SIDES—(82 deaths)— contd.						
148	14th July, 4 A.M.	Lodna mine, Jharia P. O., Bihar.	Lodna Colliery Co. (1920), Ltd.	Sambhu Koiri, (m.), 52, Coal-cutter.	Coal	While deceased was engaged in loading coal in a depillaring area, a mass of coal, 14'×8'×26" thick, fell from a "cleat" in the side of a pillar from a height of about 14 feet and struck him. He was killed on the spot. Inspection and inquiry made.
149	23rd July, 8-20 P.M.	Kustore mine, Kusunda P. O., Bihar.	Raneegunge Coal Association, Ltd.	Chhotan Bhuiya, (m.), 32, Loader.	Coal	While side coal was being dressed down in a gallery a mass of coal 4'×4'×1'6", fell from the corner of a pillar and dislodged a prop 12 feet long. Deceased was engaged in filling coal, when he was struck by the prop and sustained fatal injuries. Inspection and inquiry made.
150	25th July, 10 A.M.	Katras-Choitodih mine, Katrasgarh P. O., Bihar.	Barrakur Coal Co., Ltd.	Sibcharan Bhuiya, (m.), 40, Coal-cutter.	Coal	A mass of coal, 6'×4'×2', fell from the side of a pillar under extraction and displaced a prop which struck deceased. He was killed instantly. Inspection and inquiry made.
151	1st August, 4-30 A.M.	Ekra Khas mine, Bansjora P. O., Bihar.	Maharaja S. C. Nandi.	Panchanan Pasi, (m.), 45, Coal-cutter.	Coal	Deceased was working along a travelling road, when a mass of coal 2'×1'6"×1'6" thick, fell from the side of a pillar from a height of about 15 feet and struck him, causing fatal injuries. Inspection and inquiry made.
152	1st August, 1 P.M.	Parbelia mine, Neturia P. O., Bihar.	Bengal Coal Co., Ltd.	Bugai Najhi, (m.), 50, Coal-cutter.	Coal	While deceased was sitting near a small pillar of coal, the extraction of which had been nearly completed, 2 to 3 baskets of coal fell from the side at a height of 4 feet, and fatally injured him. Inspection and inquiry made.
153	11th August, 7 A.M.	Khas Dharmaband mine, Katrasgarh P. O., Bihar.	Khas Dharmaband Colliery Co., Ltd.	Ramu Chamar, (m.), 20, Loader.	Coal	While filling a basket with coal in a depillaring area, deceased was killed by a mass of side-coal, 3'×2'6"×10", which fell on him from the side of a pillar at a height of 8½ feet. Inspection and inquiry made.



154	25th August, 4-45 P.M.	North Goluckdih, mine, Jharia P. O., Bihar.	Kishanlal Ramji- lal.	Debu Bauri, (m.), 40, Coal-cutter.	Coal .	Deceased passed through a fence in a quarry and was cutting coal from a pillar, when a mass of decomposed outcrop coal, 4' x 3' x 1'6", fell on him from the side at a height of 15 feet. He sustained serious injuries which proved fatal 20 days later. Inspection and inquiry made.
155	5th September, 5-45 A.M.	Bararee mine, Jealgora P. O., Bihar.	East Indian Coal Co., Ltd.	Bhatu Meah, (m.), 24, Roof-tester.	Coal .	While deceased was halting at a junction of two galleries, a mass of side-coal, 2' x 1'6" x 1' fell from a height of 6 feet, dislodging a prop 10 feet long, which struck deceased, killing him instantly. Inspection and inquiry made.
156	8th September, 9 A.M.	Dandot mine, Dandot P. O., Punjab.	Dalmia Jain & Co., Ltd.	Nazar Hussain, (m.), 20, Miner.	Clay .	While deceased was engaged in cutting clay from an overhanging side of a quarry a mass of earth, 10' x 6' x 4' thick, fell from a height of about 10 feet and killed him on the spot. Inspection and inquiry made.
157	9th September, 11-30 A.M.	Seetalpur mine, Dishergath P. O., Bengal.	Bengal Coal Co., Ltd.	Sreeram Bauri, (m.), 20, Coal-cutter.	Coal .	Deceased entered a fenced area and was robbing coal from the side of a pillar when a mass of coal, 13' x 3'6" x 1', fell on him from a height of 5 feet. He was killed instantly. Inspection and inquiry made.
158	16th September, 1 P.M.	Belakura Upperchella mine, Jhajha P. O., Bihar.	Chrestien Mining Co., Ltd.	Ghamandi Gope, (m.), 26, Driller.	Mica .	While at work in a prospecting pit, 7 feet deep, deceased was killed by a fall of overhanging side. Inspection and inquiry made.
159	18th September, 2 P.M.	Dhariajoba mine, Kusunda P. O., Bihar.	Dhariajoba Col- liery Co., Ltd.	Jhari Dosadh, (m.), 37, Coal-cutter.	Coal .	In a seam, 28 feet thick, while deceased was dressing down loose coal after blasting in the side of a pillar under extraction, a lump of coal, 2' x 1' x 6", fell on the ladder on which he was standing. The ladder was broken and he was thrown to the floor, a distance of 17 feet. At that moment the mass of loose coal 6' x 5' x 2', which he had been trying to lever down, fell on him. He was killed instantly. Inspection and inquiry made.
160	26th September, 5-30 P.M.	Ramkanali mine, Katrasgarh P. O., Bihar.	B. Roy	Kishi Majhi, (m.), 27, Coal-cutter.	Coal .	Deceased left his working place, passed through a fence and was robbing coal from the side of a pillar when a mass of side-coal, 4' x 2' x 1', fell on him from a height of 10 feet. He was killed instantly. Inspection and inquiry made.
161	2nd October, 5 P.M.	East Jemehari mine, Raniganj P. O., Bengal.	Harsukdas Bais- sendas.	Amulya Kora, (m.), 28, Coal-cutter.	Coal .	While at work in a gallery 15 feet high, after blasting, deceased was struck and fatally injured by a mass of coal, weighing about 6 cwt., which fell unexpectedly from the side at a height of 10 feet. Inspection and inquiry made.

**APPENDIX II—contd.**  
**Fatal Accidents during the year 1942—contd.**

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			<b>(b) FALLS OF SIDES—(82 deaths)— concl'd.</b>			
162	14th October, 3-15 P.M.	Bararee mine, Jealgora P. O., Bihar.	East Indian Coal Co., Ltd.	Janak Mahato, (m.), 34, Trolleyman.	Coal	A mass of coal, weighing about 5 tons, fell from the side of a loading line in a depillaring area from a height of 11 feet. A trammer was struck on the right leg by the falling coal and sustained fatal injuries. Inspection and inquiry made.
163	22nd October, 11-30 A.M.	Sokhia Khera mine, Sawar P. O., Rajputana.	Labh Chand & Co.,	Rupa Kumhar, (m.), 25, Miner.	Mica	While deceased was working in a prospecting trench, a mass of earth, 5'×2'×1'6" thick, fell from the side of the trench at a height of about 6 feet and struck him, causing serious injuries which proved fatal 3 hours later. Inspection and inquiry made.
164	28th October, 4 A.M.	Lodna mine, Jharia P. O., Bihar.	Lodna Colliery Co. (1920), Ltd.	Gayadin Pasi, (m.), 45, Coal-cutter.	Coal	While dressing down loose pieces of coal from the side of a gallery 10 feet high, deceased was struck by a mass of coal, 3'×2' 6"×2', which fell on him from a height of 10 feet. He sustained injuries which proved fatal 14 days later. Inspection and inquiry made.
165	28th October, 8 A.M.	Chikla mine, Goberwahi P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ltd.	Kaju, (m.), 35, Miner.	Manga- nese.	While deceased was working in an opencast, a mass of rock, 15'×15'×9", fell from a concealed parting in the side at a height of 25 feet. He sustained injuries to which he succumbed eleven days later. Inspection and inquiry made.
166	31st October, 11-30 P.M.	Dhemo Main mine, Sitarampur P. O., Bengal.	Dhemo Main Collieries, Ltd.	Sona Roy, (m.), 42, Labourer. Uma, Meah, (m.), 32, Biru Meah, (m.), 27, Coal-cutters.	Coal	While a number of miners was at work in a depillaring area, a "bump" of severe intensity occurred and caused approximately 200 tons of coal to fall from the sides of the surrounding pillars. Two of the miners and an assistant timberman were buried by the falling coal and killed instantly. Inspection and inquiry made.

168	6th November, 1 P.M.	Mothani mine, Sitarampur P. O., Bengal.	Equitable Coal Co., Ltd.	Laya Majhi, (m.), 55, Coal-cutter.	Coal	While deceased was engaged in cutting floor coal in a gallery, he was struck by a mass of coal, 2' x 1' 6" x 1', which fell off the side at a height of 5 feet. He sustained injuries to which he succumbed one month later. Inspection and inquiry made.
169	12th November, 8 P.M.	Jamadoba mine, Jalgora P. O., Bihar.	Tata Iron & Steel Co., Ltd.	Ramlal Bilaspuri, (m.), 34, Coal-cutter.	Coal	While deceased was cutting coal from a pillar under extraction, a mass of coal, weighing about 1½ tons, burst off the side due to "weighting" from a goaf. He was struck by the falling coal and fatally injured. Inspection and inquiry made.
170	30th November, 3 P.M.	Sripur (Nos. 1, 2 & 3 Pits) mine, Kalipahari P. O., Bengal.	Lodna Colliery Co. (1920), Ltd.	Bodi Bauri, (m.), 28, Labourer.	Coal	While three men were engaged in packing on top of masonry arching in an underground gallery, a bump occurred and about 1½ tons of coal fell from the side of a pillar. Deceased was killed on the spot and another person who was seriously injured died thirteen days later. Inspection and inquiry made.
171	7th December, 2-30 P.M.	Dhori mine, Bokaro P. O., Bihar.	Bokaro and Ram- gur, Ltd.	Madan Bauri, (m.), 40, Coal-cutter.	Coal	While re-railing a tub in an underground gallery deceased was struck and fatally injured by a mass of side coal which fell from a height of 17 feet. Inspection and inquiry made.
172	7th December, 4 P.M.	Uchera mine, Barwara P. O., Central Provinces.	P. S. Sial and Sons.	Narbadaia, (f.), 25, Labourer.	Soap- stone.	While deceased was loading steatite at the bottom of an opencast working, a small mass of earth and stone fell off a bench at a height of 10 feet. She was struck and sustained injuries which proved fatal nineteen days later. Inspection and inquiry made.
173	10th December, 8 A.M.	Budroochuck mine, Sijua P. O., Bihar.	Budroochuck Coal Mining Co., Ltd.	Chura Majhi, (m.), 26, Mangal Majhi, (m.), 30, Loaders.	Coal	While three loaders were loading fallen coal in a gallery adjoining a depillaring area, a mass of coal, 6' x 4' x 2' thick, fell on them without warning from the side of a pillar from a height of about 12 feet. One was killed instantly, another succumbed to his injuries 6 hours later and the third was seriously injured. Inspection and inquiry made.
174	16th December, Between 2 & 3 P.M.	Para mine, Kekri P. O., Rajputana.	Labhchand & Co.	Surja Kanawat, (m.), 25, Labourer.	Mica	While water was being bailed from a shallow excavation, a mass of side fell. Deceased sustained fatal injuries and another person was seriously injured.

**APPENDIX II—contd.**

**Fatal Accidents during the year 1942—contd.**

Serial number.	Date and hour of accident.	Name, and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
<b>In shafts (overwinding)—(2 deaths).</b>						
175	6th October, 7-15 A.M.	Kurhurbaree mine, Giridih P. O., Bihar.	State Railways' Coal Department.	Mahadeo Rai, (m.), 24, Coal-cutter. Parmeswar Modi, (m.), 42, Trolleyman.	Coal	While 14 persons were being lowered and 10 persons were being raised in a shaft 787 feet in depth, an overwind took place, causing fatal injuries to one person and serious injuries to 5 others one of whom subsequently died. Inspection and inquiry made.
<b>In shafts (whilst ascending or descending by machinery)—(1 death).</b>						
176	14th April, 9-30 A.M.	Nichtipur mine, Bansjora P. O., Bihar.	Nichtipur Coal Co.	Badla Meah, (m.), 31, Pumpman.	Coal	While two persons were being lowered on a cradle in a shaft, 185 feet deep, by means of a hand-winch, the spur wheel of the winch broke, and due to sudden jerking the rope became detached from the cradle. Deceased fell to the bottom of the shaft, a distance of 170 feet and was killed instantly. The other person caught hold of a guide rope and escaped uninjured. Inspection and inquiry made.
<b>In shafts (falling down shafts)—(8 deaths).</b>						
177	7th March, 2 A.M.	Akharpur mine, Charanpur P. O., Bengal.	Hurriladiah Coal Co., Ltd.	Radha Bauri, (m.), 25, Banksman.	Coal	While at work on the top of a sinking shaft, 122 feet deep, deceased accidentally fell to the bottom and was fatally injured. Inspection and inquiry made.
178	27th March, 3 P.M.	Seetalpur mine, Dishergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Tulsi Meah, (m.), 36, Signaller. Ghasit Khan, (m.), 27, Khujrath Khan, (m.), 38, Hafiz Khan, (m.), 32, Fitters.	Coal	While the deceased, who were engaged in fitting pipe, in a shaft, 1,482 feet deep, were being raised on a scaffold the rope on one of the hand-winch supporting the scaffold slipped off the drum and caused one side of the scaffold to drop a distance of 8 feet. The deceased were thrown off the scaffold and fell to the shaft bottom, a distance of 1,232 feet. They were killed instantly. Inspection and inquiry made.

179	13th April, 1 A.M.	Mahuria mine, Rajauli P. O., Bihar.	Chatturam Horil- tam, Ltd.	Jhaman Rajwar, (m.), 23, Labourer.	Mica	While ascending a shaft 50 feet deep by means of a ladder deceased slipped and fell to the bottom of the shaft, a distance of 20 feet. He was killed instantly. Inspection and inquiry made.
180	12th December, 11 P.M.	Bansoria mine, Jhumri Telaiya P. O., Bihar.	Rai Bahadur L. N. Sukhani.	Mongar Hajam, (m.), 30, Trolleyman.	Mica	Deceased was tramping a tub to the top of a shaft 40 feet deep, when he fell with the tub to the bottom of the shaft due to a stop block and a gate for protecting the top of the shaft being left open. He sustained fatal injuries. Inspection and inquiry made.
181	23rd December, 4 P.M.	Jainty Central mine, Karmatar P. O., Bihar.	Jainty Central Col- liery, Ltd.	Dola Majhi, (m.), 45, Labourer.	Coal	While a column of pipes was being fitted in a partially water-logged shaft, deceased attempted to ascertain the level of water, when he slipped from an inset in the shaft, fell into the water and was drowned. Inspection and inquiry made.
<b>In shafts (things falling down shafts)—(2 deaths).</b>						
182	30th June, 6-30 A.M.	Mosaboni mine, Ghatsila P. O., Bihar.	Indian Copper Cor- poration Ltd.	Sardilal Jaisee, (m.), Labourer.	Copper	A loaded bucket was being hauled up a winze inclined at 30°, when it became disconnected from the hook, and fell to the bottom of the winze, 200 feet below. It struck and fatally injured deceased, who was working at the bottom of the winze. Inspection and inquiry made.
183	4th July, 5-30 P.M.	Benedih mine, Nudkharkee P. O., Bihar.	Benedih Coal Con- cern.	Musabali Khan, (m.), 36, Stone-cutter.	Coal	While stone-cutters were at work in a sinking shaft 200 feet deep, a piece of stone, 1' 6" × 8" × 6", from the side fell 150 feet to the shaft bottom striking two of them. One was injured fatally and the other seriously. Inspection and inquiry made.
<b>In shafts (miscellaneous)—(2 deaths).</b>						
184	19th October, 9-30 A.M.	Akhalpur mine, Charanpur P. O., Bengal.	Hurridah Coal Co., Ltd.	Doloo Chamar, (m.), 35, Timberman.	Coal	It is presumed that deceased got into an ascending cage, which was to be suspended for some time about the middle of a shaft 200 feet deep and when the cage came to a stand-still he got out and slid down a guide rope. He fell some distance down the shaft and sustained fatal injuries. Inspection and inquiry made.
185	23rd December, 9 P.M.	Munsar mine, Kandri P. O., Central Provinces.	The C. P. Mangan- ese Ore Co., Ltd.	Mehetar, (m.), 35, Surface labourer.	Manga- nese.	Deceased was operating a windlass at a winze along with the three other labourers when the two buckets became entangled and were wound up together. The empty bucket became entangled and fell with a jerk, causing the windlass handles to rotate rapidly. The handle struck deceased, causing internal injuries, which proved fatal eight hours later. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
186	16th September, 9 P.M.	Jatahi mine, Rajauli P. O., Bihar,	Chatturam Herilram, Ltd.	<p><b>SUFFOCATION BY GASES—</b> (3 deaths).</p> <p>Sado Singh, (m.), 45, Tapesar Singh, (m.), 28, <i>Pumpmen.</i> Sanichar Rai, (m.), 25, <i>Labourer.</i></p>	Mica	While at work in a winze in a mica mine, two pumpmen were asphyxiated by blackdamp. While a search was being made for them, a third person was overcome. All three persons were dead when recovered. Inspection and inquiry made.
187	6th July, 3-20 P.M.	Makarwal mine, Trag P. O., Punjab.	Lala Ishar Das Kapur and Executors of the Estate of late C. B. Petman.	<p><b>IRRUPTIONS OF WATER—</b> (18 deaths).</p> <p>M. Golam Mohd., (m.), 38, <i>Overman.</i> Bahawal, (m.), 33, Sada Khan, (m.), 34, Aurang, (m.), 33, Said Khan, (m.), 30, Sultan Ahmad, (m.), 23, Ghulam Nabi, (m.), 22, <i>Coal-Cutters.</i> Samand Khan, (m.), 33.</p>	Coal	During unprecedented torrential rain, the water flowing down a stream on the slope of a hill overflowed into a mine, and partially flooded the same. Fourteen persons were drowned. A protective wall at the entrance to the mine was partly demolished by the flood. Inspection and inquiry made.

188	17th July, 4 P.M.	Pinalgoria mine, Nawagarh P. O., Bihar.	Sarandas Sunda & others.	<p>Neer Khan, (m.), 33, <i>Timbermen.</i> Sahib Khan, (m.), 23, Zarwali, (m.), 22, Mehtar Jan, (m.), 38, <i>Labourers.</i> Sher Zaman, (m.), 26, Mehtar Zaman, (m.), 26, <i>Stone-cutters.</i></p> <p>Hemlal Bauri, (m.), 27, Baran Bauri, (m.), 23, Gour Kora, (m.), 26, Churaman Rajwar, (m.), 31, <i>Coal-cutters.</i></p>	Coal	Three miners were working in a level gallery when a connection was made with old water-logged workings. They were swept off their feet by the sudden inrush of water and were drowned. Another miner who was at work in an adjoining gallery was also drowned. If bore-holes had been made as required by regulation 74 the accident would not have occurred. Inspection and inquiry made.
<b>BY EXPLOSIVES—(14 deaths).</b>						
189	6th January, 4 P.M.	"E" & "F" mine, Nellore P. O., Madras.	M. Dasadharami Reddi.	Chityapalam Penchelu, (m.), 40, <i>Miner.</i>	Mica	While three drillers were working in a drive a drill struck a mis-fired shot and an explosion occurred. One man was killed and two others were seriously injured.
190	25th January, 6 A.M.	Ratibati mine, Kalipahari P. O., Bengal.	Ratibati Collieries, Ltd.	Bideshi Chamar, (m.), 28, <i>Labourer.</i>	Coal	While deceased was carrying two gunpowder cartridges in a canister, he tripped over a stone and fell down. His open light was accidentally brought into contact with the cartridges and ignited them. He was severely burnt, and succumbed nine days later. The lock of the canister had been accidentally lost. Inspection and inquiry made.
191	5th February, 11-30 P.M.	Newton Chickli mine, Parasia P. O., Central Provinces.	Newton Chickli Collieries, Ltd.	Rukhyelal Mali, (m.), 25, <i>Labourer.</i>	Coal	Deceased was severely burnt by an accidental ignition of a small quantity of gunpowder lying on the floor of a disused magazine. He succumbed to his injuries six hours later. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 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 worked.	Cause of accident and remarks.
<b>BY EXPLOSIVES—(14 deaths)—contd.</b>						
192	26th March, 1-30 P.M.	Majri Colliery, Majri Colliery P. O., Central Provinces.	P. S. Sial & Sons.	Mhaboob Khan, (m.), 35, Cartridge-Maker.	Coal	While deceased was making cartridges of gunpowder, the powder was ignited by some unknown means, and he sustained fatal injuries. Inspection and inquiry made.
193	28th April, 2-45 P.M.	Sripur (Nos. 1, 2 & 3 Pits) mine, Kali- pahari P. O., Bengal.	Lodna Colliery Co. (1920), Ltd.	Bisambhar Ladh, (m.), 35, Sukhu Gope, (m.), 40, Coal-cutters.	Coal	It is presumed that the deceased were frocking while carrying gun- powder cartridges in a canister, when the gunpowder became ignited and they were fatally burnt. Inspection and inquiry made.
194	5th May, 10-30 A.M.	Methani mine, Sitarampur P. O., Bengal.	Equitable Coal Co., Ltd.	Chaneshulla Baurin, (f.), 18, Labourer.	Coal	During blasting operations on the surface, deceased with others retired to a place of safety. When a shot was fired, she saw a piece of stone projected in the air and started to run away. She was struck by the projected stone and fatally injured. Inspection and inquiry made.
195	26rd May, 3 A.M.	Futlai-ahar mine, Jhajha P. O., Bihar.	Chrestien Mining Co., Ltd.	Jagan Nath Gope, (m.), 53, Driller.	Mica	While a driller was working in an underground drive where blasting had been done it is presumed that he struck and exploded a mis- fired shot. He sustained serious injuries which proved fatal about 20 days later. Inspection and inquiry made.
196	29th May, 11-15 A.M.	Lodna mine, Jharia P. O., Bihar.	Lodna Colliery Co. (1920), Ltd.	Dasarath Bauri, (m.), 55, Coal-cutter.	Coal	Deceased returned to a gallery where a shot hung fire and when within six feet of the place the shot exploded. He was struck by a pro- jected piece of coal and fatally injured. Inspection and inquiry made.
197	31st May, 1-45 P.M.	Munsar mine, Kundri P. O., Central Provinces.	The Central Pro- vinces Manganese Ore Co., Ltd.	Latel s/o Hira Singh, (m.), 34, Miner.	Manga- nese.	Two miners were engaged in clearing debris from the bottom of a winze, when one of them tempered with a mis-fired shot and caused it to explode. One of the miners was fatally injured and the other sustained severe injuries. Inspection and inquiry made.



198	27th June, 5-15 A.M.	Mosaboni mine, Ghateila P. O., Bihar.	Indian Copper Corporation, Ltd.	Ujir Buz, (m.), 23, <i>Shot-firer's assistant.</i>	Copper	After firing a round of ten shots in an underground drive a shot-firer and his assistant returned to the place of blasting after about 20 minutes, when they were overcome by the noxious fumes produced as a result of the blasting. They were rescued after about 20 minutes. The shot-firer recovered after a short time, but his assistant died a few minutes later. Inspection and inquiry made.	
199	12th August, 1 P.M.	Rohri Lime Stone mine, P. O. Rohri, Sind.	The Associated Ce- ment Co., Ltd.	Siana, (m.), 30, <i>Shot-firer.</i>	Lime- stone.	While deceased, who was an authorised shot-firer, was recovering a misfired hole, the charge in the hole exploded and he received fatal injuries. Inspection and inquiry made.	
200	28th November, 11 A.M.	Lodna mine, Jharia P. O., Bihar.	Lodna Colliery Co. (1920), Ltd.	Neknam Meah, (m.), 41, <i>Labourer.</i>	Coal	Two shots were being fired in adjacent underground galleries, and after one of the shots had exploded deceased was returning to his working place when the second shot exploded. He was struck by a projected piece of coal and sustained fatal injuries. Inspection and inquiry made.	
201	29th December, 4 P.M.	Nimcha mine, Raniganj P. O., Bengal.	Rai Sahib Chandan- mull Indrakumar.	Budhan Bauri, (m.), 30, <i>Banksman.</i>	Coal	Deceased was severely burnt when some loose gunpowder was accidentally ignited at the top of a sinking shaft. He died six days later. Inspection and inquiry made.	
<b>HAULAGE—(38 deaths).</b>							
202	3rd January, 5 P.M.	Lodna mine, Jharia P. O., Bihar.	Lodna Colliery Co. (1920), Ltd.	Krishna Chandra Ghosh, (m.), 38, <i>Haulage Engineman.</i>	Coal	Deceased was knocked down and fatally injured by a set of loaded tube which was being raised up a haulage incline with a gradient of 1 in 10. Inspection and inquiry made.	
203	6th February, 4-30 A.M.	Loyabad mine, Bansjora P. O., Bihar.	Burrakur Coal Co., Ltd.	Sabrati Meah, (m.), 35, <i>Trammer.</i>	Coal	Deceased was run over and killed by a set of empty tubs, being lowered on a haulage road dipping at 1 in 6. Inspection and inquiry made.	
204	9th February, 5-30 P.M.	Kusunda-Nyadee mine, Kusunda P. O., Bihar.	Kusunda and Nyadee Collieries Co.	Joga Dhadi, (m.), 36, <i>Trammer.</i>	Coal	While a trammer was guiding a set of loaded tubs round a curve, one of the tubs derailed. He was caught between the derailed tub and the side of a pillar and was fatally injured. Inspection and inquiry made.	
205	22nd February, 5 A.M.	Barkui mine, Parasia P. O., Central Provinces.	Pench Valley Coal Co., Ltd.	Jabra Kotwar, (m.), 22, <i>Trammer.</i>	Coal	While deceased was at work on an underground endless haulage road, a set of tubs was being lowered down for attaching to the endless rope, when the coupling hook of one of the tubs caught the socket of a rope lying on the ground which struck him on the leg. He sustained serious injuries and Septicæmia supervening, he died a fortnight later. Inspection and inquiry made.	

APPENDIX II—*contd.*

Fatal Accidents during the year 1942—*contd.*

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
<b>HAULAGE—(38 deaths)—<i>contd.</i></b>						
206	28th February, 2-30 P.M.	Ghorawari mine, Ghorawari/Jun- nordeo P. O., Central Pro- vinces.	Hirdagarh Collie- ries, Ltd.	Pola Mohsai, (m.), 25, <i>Trammer.</i>	Coal	While a trammer was riding in front of a set of six loaded tubs being hauled up an incline, he slipped and fell down. He was dragged along under the set for a short distance and sustained injuries which proved fatal three days later. Inspection and inquiry made.
207	3rd March, 8-30 A.M.	Parbelia mine, Neturia P. O., Bihar.	Bengal Coal Co., Ltd.	Lokhu Bauri, (m.), 33, <i>Trammer.</i>	Coal	A trammer while riding on the leading tub of a set of ten loaded tubs, was thrown off when the set was derailed on a curve. He was crushed between the tub and a vertical haulage roller and killed instantly. Inspection and inquiry made.
208	10th March, 12 noon.	Kargali mine, Bokaro P. O., Bihar.	State Railways' Coal Department.	Brijlal, (m.), 25, <i>Coal-cutter.</i>	Coal	While a set of four loaded tubs was being hauled up a gradient of about 1 in 15 in a quarry, the front tub got derailed and overturned. A stone, measuring about 8"×8"×6", fell from the tub and over the edge of the quarry on to deceased, who was working on a coal "bench" 32 feet below. He sustained fatal injuries. Inspection and inquiry made.
209	25th March, 4-30 P.M.	Keymore mine, Keymore P. O., Central Provinces.	The Associated Cement Co., Ltd.	Raghubir Kole, (m.), 45, <i>Labourer.</i>	Lime- stone.	While deceased was pushing a tub on a tramway, he was overtaken by a tub pushed by another trammer. His leg was crushed between the two tubs and he died 3 months later. Inspection and inquiry made.
210	26th March, 8 A.M.	Singaran mine, Toposi P. O., Bengal.	Singaran Coal Syn- dicate Ltd.	Bara Puran Chamar, (m.), 45, <i>Coal-cutter.</i>	Coal	Deceased was struck and fatally injured by a loaded tub, gravitating down an underground tramming road with a gradient of 1 in 40. Inspection and inquiry made.

211	2nd April, 1 P.M.	Bhulanbaracee mine, Pathardih P. O., Bihar.	Bhulanbaracee Coal Co., Ltd.	Ram Singh, (m.), 40, Labourer.	Coal .	While a set of 8 loaded tubs, to which two trolleys loaded with pipes had been attached, was being hauled up a gradient of 1 in 2 the link coupling the set with the rope broke. The train ran back for 15 feet before the tubs became derailed by the drag. Deceased who was walking beside a trolley was caught by the runaway tubs and fatally injured. Inspection and inquiry made.
212	8th April, 5-30 A.M.	Parbelia mine, Neturia P. O., Bihar.	Bengal Coal Co., Ltd.	Kalo Bauri, (m.), 22, Trammer.	Coal .	While a loaded tub was being lowered on a tramline dipping at 1 in 30, deceased was attempting to put sprags in the wheel when he fell forward and struck his head against a prop. He sustained fatal injuries. Inspection and inquiry made.
213	10th April, 5-30 A.M.	Bhagaband mine, Jharia P. O., Bihar.	Borrea Coal Co., Ltd.	Darasram Bilas- puri, (m.), 36, Coal-cutter.	Coal .	A set of 12 loaded tubs was being hand trammed down a gradient of about 1 in 30, when the first two tubs became uncoupled and ran wild. Deceased, who was presumably crossing the tram line, was knocked down by the run-away tubs and fatally injured. Inspection and inquiry made.
214	11th April, 5 P.M.	East Bhuggatdih mine, Jharia P. O., Bihar.	East Bhuggatdih Colliery Co., Ltd.	Ananta Bhuiya, (m.), 29, Trammer.	Coal .	While a loaded tub was being hand-shunted on a tramming level with a gradient of 1 in 30, deceased attempted to remove a lump of coal from the tram line. His leg was caught between the buffers of a stationary and the moving tub. He sustained serious injuries to which he succumbed 3 months later. Inspection and inquiry made.
215	16th April, 10-30 P.M.	Victoria West mine, Barakar P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Sheikh Abdul, (m.), 24, Trammer.	Coal .	While deceased was assisting to re-rail a loaded tub, in an underground tramming level, it overturned and killed him on the spot. Inspection and inquiry made.
216	27th May, 9 P.M.	Methani mine, Sitarampur P. O., Bengal.	Equitable Coal Co., Ltd.	Dhanu Kandu, (m.), 34, Labourer.	Coal .	While a set of 12 empty tubs was being hauled up an underground haulage road with a varying gradient, a link of a coupling chain opened out at the point of welding and nine tubs ran back and derailed. Deceased, who was riding on the back of the last tub, was run over and fatally injured. Inspection and inquiry made.
217	28th May, 11-15 A.M.	Newton Chickli mine, Parasia P. O., Central Provinces.	Newton Chickli Collieries, Ltd.	Kishen Mehra, (m.), 38, Coal-cutter.	Coal .	While a train of six loaded tubs was being hauled up an haulage incline with a gradient of 1 in 12, the haulage rope broke and the tubs ran wild. A miner, who was walking up the incline, was struck by the rear tub and fatally injured. Deceased should not have been walking along the haulage road but should have used the travelling road provided. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1942—*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 works.	Cause of accident and remarks.
<b>HAULAGE—(38 deaths)—<i>contd.</i></b>						
218	6th June, 6-30 A.M.	Nhas Koiludih mine, Katrasgarh P. O., Bihar.	Karamchand Thapar & Bros., Ltd.	Duli Meah, (m.), 26, <i>Haulage attendant.</i>	Coal	It is presumed that deceased was knocked down and fatally injured by a set of two loaded tubs, which was being lowered down a haulage road, dipping at 1 in 7. Inspection and inquiry made.
219	6th June, 1-30 P.M.	Jeetpur mine, Jharia P. O., Bihar.	Bengal Iron Co., Ltd. (In Liquidation).	Hiru Mahato, (m.), 30, <i>Trammer.</i>	Coal	While a set of nine loaded tubs was being hauled up a gradient of 1 in 8, the rope capping was caught between a check rail and the 'V' of a crossing 70 feet above the level from where the set started. The haulage track was lifted up and deceased, who was walking with the set was caught between one of the rails and the side of a pillar. He sustained serious injuries to which he succumbed the following day. Inspection and inquiry made.
220	26th June, 12 mid-night.	Digwardi mine, Jeaugora P. O., Bihar.	Tata Iron & Steel Co., Ltd.	Sujat Ali, (m.), 26, <i>Haulage attendant.</i>	Coal	When a set of two tubs was being lowered down a haulage road dipping 1 in 7, the set became uncoupled from the haulage rope and ran wild for a distance of 210 feet. Deceased was struck and fatally injured by the runaway tubs. Inspection and inquiry made.
221	29th June, 9 A.M.	Parbelia mine, Nituria P. O., Bihar.	Bengal Coal Co., Ltd.	Bholu Hari, (m.), 40, <i>Coal-cutter.</i>	Coal	Deceased attempted to stop a loaded tub which was allowed to gravitate down a tramping level having a varying gradient from 1 in 20 to 1 in 40, and was knocked down. He sustained serious injuries which proved fatal six hours later. Inspection and inquiry made.
222	3rd July, 4-30 A.M.	South Bulliari Kerdwadih mine, Kusunda P. O., Bihar.	East Indian Coal Co., Ltd.	Samar Rajwar, (m.), 32, <i>Trolleyman.</i>	Coal	It is presumed that while a set of loaded tubs was being hauled up a road with a gradient of 1 in 10, deceased attempted to cross the road in front of the set, when he was knocked down and fatally injured. Inspection and inquiry made.

223	12th July, 4 A.M.	East Barabani mine, Cherimpur P. O., Bengal.	East Barabani Coal Co., Ltd.	Rasa Kolo, (m.), 34, <i>Sirdar,</i> Kabul Bauri, (m.), 30, Doman Shah, (m.), 24, <i>Stone-cutters.</i>	Coal	In re-railing the last loaded tub in a set of four, which was being raised on a haulage road rising at 1 in 6, the tub accidentally became uncoupled and ran wild for a distance of 740 feet. The deceased, who were resting at the foot of the haulage dip, were struck by the tub and killed on the spot. Inspection and inquiry made.
224	17th July, 9-30 P.M.	Burra Dhomo mine, Sitarampur P. O., Bengal.	Burra Dhomo Coal Co., Ltd.	Bhudeb Bauri, (m.), 24, <i>Trammer.</i>	Coal	While deceased was pushing a loaded tub down a gradient of 1 in 80, a second loaded tub gravitated after him. He was crushed between the tubs and sustained injuries to which he succumbed 7 days later. If he had spragged the rear tub the accident would not have occurred. Inspection and inquiry made.
225	26th July, 2 A.M.	Bararee mine, Jenkorra P. O., Bihar.	East Indian Coal Co., Ltd.	Ramabatar Do- sadh, (m.), 30, <i>Trammer.</i>	Coal	While re-railing a loaded tub on a surface tram-line with a gradient of about 1 in 100, deceased was struck and fatally injured by another tub which gravitated on to him from behind. Inspection and inquiry made.
226	28th July, 1-45 P.M.	Bejdih mine, Sundarchak P. O., Bengal.	Equitable Coal Co., Ltd.	Nanak Gowala, (m.), 27, <i>Labourer.</i>	Coal	While a set of eight loaded tubs was being hauled up a haulage plane, the last tub of the set derailed and overturned on to deceased, who was sitting on the side of the road. He sustained serious injuries and died from tetanus eleven days later. Inspection and inquiry made.
227	17th August, 3-30 P.M.	West Jamuria mine, Charanpur P. O., Bengal.	West Jamuria Coal Co., Ltd.	Mollu Singh, (m.), 30, <i>Labourer.</i>	Coal	While a set of eight empty tubs was being lowered down an endless haulage road, the front two tubs became uncoupled and ran amain. Deceased, who was travelling down the haulage road, was struck by the leading tub and seriously injured. Septicaemia supervened and he died 26 days later. Inspection and inquiry made.
228	30th August, 5-45 A.M.	Methani mine, Sitarampur P. O., Bengal.	Equitable Coal Co., Ltd.	Chhaku Koiri, (m.), 26, <i>Labourer.</i>	Coal	While deceased was travelling on a haulage road, dipping at 1 in 12, he was struck and fatally injured by a set of empty tubs, which was being lowered down the road. Inspection and inquiry made.
229	31st August, 8-30 A.M.	Malkera-Choitodih mine, Katrasgarh P. O., Bihar.	Tata Iron and Steel Co., Ltd.	Babu Meah, (m.), 36, <i>Trolleyman.</i>	Coal	Deceased, contrary to orders, was attempting to ride in front of a tub which was being hauled up a slope of 1 in 6, when he slipped and was run over by the tub. He was killed instantly. Inspection and inquiry made.
230	3rd September, 8-15 A.M.	Barazolai mine, Marherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Monbahadur Lama, (m.), 35, <i>Hookman.</i>	Coal	A hookman employed at the bottom of a self-acting incline failed to attach an empty tub to the rope, and gave the signal for the loaded tub to be lowered. The latter ran wild to the bottom of the incline and struck deceased, fatally injuring him. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1942—*contd.*

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
<b>HAULAGE—(38 deaths)—<i>concl'd.</i></b>						
231	22nd September, 9-30 P.M.	Banksimula mine, Charanpur P. O., Bengal.	Bengal Coal Co., Ltd.	Mobarak Ali, (m.), 32, Driller.	Coal	A trolley carrying a coal-cutting machine was attached to the front of three empty tubs being lowered down a haulage road dipping at 1 in 12, when it became uncoupled and ran wild. A driller, while trying to run clear, was struck and killed instantly. Inspection and inquiry made.
232	3rd October, 3 P.M.	Banksimula mine, Charanpur P. O., Bengal.	Bengal Coal Co., Ltd.	Shambu Kora, (m.), 30, Loader.	Coal	While a loaded tub was being trammed along a level, an iron sprag, intended to control the tub, broke, because of a flaw in the material. The tub ran uncontrolled out of the level and down a main haulage road dipping at 1 in 10, where it struck deceased and killed him on the spot. Inspection and inquiry made.
233	19th October, 5 P.M.	Datta Mine, Jannordeo P. O., Central Provinces.	Amalgamated Coal-fields, Ltd.	Gopal Gond, (m.), 36, Underground trammer.	Coal	While riding on one of a set of tubs being hauled up an incline graded at 1 in 5, a trammer was fatally crushed between the tub and the side of a pillar. He was not authorised to ride on the set. Inspection and inquiry made.
234	23rd October, 6 P.M.	Kusunda-Nyadee mine, Kusunda P. O., Bihar.	Kusunda and Nyadee Collieries Co.	Nathu Meah, (m.), 35, Trammer.	Coal	While a set of six tubs was being hauled up a slope of 1 in 10, the leading tub became derailed. Deceased, who was riding in front of the set, slipped, when his right foot was run over. He succumbed to injuries 7 days later. Inspection and inquiry made.
235	30th October, 5-30 A.M.	Rakhikole mine, Jannordeo P. O., Central Provinces.	S. C. Cambata & Co., Ltd.	Shayama s/o Bhilya Kumbi, (m.), 25, Underground trammer.	Coal	Deceased was run over and fatally injured by a set of loaded tubs, which was being hauled up a gradient of 1 in 3. Inspection and inquiry made.
236	21st November, 6-15 P.M.	Sendra mine, Bansjora P. O., Bihar.	The Sendra Coal Co., Ltd.	Nimchand Chamar, (m.), 50, Trammer.	Coal	While deceased with other trammers was engaged in rerailing a loaded tub on a tramping level dipping at 1 in 100, another loaded tub moved forward a distance of 6 feet and struck deceased, causing serious injuries which proved fatal two and a half months later. Inspection and inquiry made.

237	23rd December, 9 A.M.	Chanck mine, Chirkunda P. O., Bihar.	Bengal Coal Co., Ltd.	Adhir Kumar Banerjee, (m.), 24, <i>Overman.</i>	Coal	While riding on the front tub of a set of loaded tubs, which was being hauled up a road with a gradient of 1 in 10, deceased. It is presumed, accidentally fell on the tramline and was run over by the set. He was killed instantly. Inspection and inquiry made.
<b>BY UNDERGROUND MACHINERY—(4 deaths).</b>						
238	18th January, 4-30 A.M.	Kustore mine, Kusunda P. O., Bihar.	Raneegunge Coal Association, Ltd.	Mahanzu Kurmi, (m.), 32, <i>Stone-cutter.</i>	Coal	In order to avoid taking a more circuitous route deceased was passing through an underground gallery in which a "booster" fan was working, when his clothing was caught in the blades of the fan and he received fatal injuries. Inspection and inquiry made.
239	23rd March, 11-30 P.M.	Sirka mine, Arada P. O., Bihar.	The South Karan- pura Coal Co., Ltd.	Mangra Munda, (m.), 19, <i>Pump-attendant.</i>	Coal	It is presumed that deceased's clothing got entangled in the gearing of a ram pump and he sustained fatal injuries. Inspection and inquiry made.
240	28th November, 5-45 P.M.	Kustore mine, Kusunda P. O., Bihar.	The Raneegunge Coal Association, Ltd.	Raiju Mahato, (m.), 25, <i>Fan-attendant.</i>	Coal	Deceased went to attend a fan when his clothes were caught by a driving belt. He sustained injuries which proved fatal 3½ months later. Inspection and inquiry made.
241	10th December, 11-30 A.M.	Bhalgora mine, Jharia P. O., Bihar.	Bhalgora Coal Co., Ltd.	Lachman Gope, (m.), 36, <i>Labourer.</i>	Coal	Deceased was holding the anchor post of a coal cutting machine while it was being "sumped" in the face of a gallery. The post slipped and struck him on the head, inflicting fatal injuries. Inspection and inquiry made.
<b>SUNDRIES—(18 deaths).</b>						
242	7th January, 4 P.M.	Sonewani mine, Balaghat P. O., Central Provinces.	Amritlal P. Trivedi.	Fakir Marar, (m.), 36, <i>Miner.</i>	Manga- nese.	While carrying a basket of manganese ore from the bottom of an excavation, 10 feet deep, deceased fell from a foot-path into the excavation and sustained serious injuries. Pneumonia supervened and he died 8 days later. Inspection and inquiry made.
243	11th January, 4 P.M.	Chikla mine, Goberwahi P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ltd.	Sukaloo, (m.), 38, <i>Miner.</i>	Manga- nese.	While deceased was drilling a shot-hole a sledge hammer accidentally struck and crushed his right index finger. Gangrene supervened and he died seven weeks later. Inspection and inquiry made.
244	13th January, 3 P.M.	Girhinda mine, Sheikhpura P. O., Bihar.	Ram Lal Basant Lal.	Mondal Gowala, (m.), 55, <i>Labourer.</i>	Stone	While deceased was removing overburden from the edge of an excavation, 5 feet deep, in the side of a hill, he fell into the excavation and sustained serious injuries which proved fatal 2 hours later. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial number.	Date and hour of accident.	Name, and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
<b>SUNDRIES—(18 deaths)—contd.</b>						
245	16th February, 8 A.M.	Mugalrajanram mine, Bezwada P. O., Madras.	Government of Madras, Public Works Department.	Bijiam Basvayya, (m.), 35, Miner.	Stone.	While deceased was preparing a shot-hole on a steep face of a quarry, 95 feet high, he slipped and fell to the ground, sustaining fatal injuries. Had a safety belt been used in conjunction with a safety rope, the accident would not have occurred. Inspection and inquiry made.
246	24th February, 9 30 A.M.	Kargali mine, Bokaro P. O., Bihar.	State Railways' Coal Department.	Raja Ram, (m.), 35, Loader.	Coal.	Lumps of coal were being thrown from a "bench" of quarry to the bottom of the quarry, a distance of 42 feet. Presumably deceased went to pick up some of the coal when he was struck by a mass of coal, 2'x1'6"x1'6" and killed instantly. Inspection and inquiry made.
247	18th March, 4 A.M.	Gararia mine, Bansjora P. O., Bihar.	Baijnath Jugalkishore.	Sobarna Bhuiya, (m.), 35, Loader.	Coal.	While working in a depillaring area deceased was struck and seriously injured by a prop which was dislodged by a mass of coal rolling on to it. He succumbed to his injuries about a month later. Inspection and inquiry made.
248	1st May, 6-40 A.M.	Khas Bhuggatdih mine, Jbaria P. O., Bihar.	Khas Bhuggatdih Colliery Co.	Khoorbaharin Satnami, (f.), 32, Loader.	Coal.	While walking along the edge of a "bench" in a quarry, deceased overbalanced and fell a distance of 30 feet to the bottom of the quarry. She sustained serious injuries which proved fatal fifteen days later. Inspection and inquiry made.
249	19th June, 11-15 A.M.	Alkusa & Nyadee mine, Kusunda P. O., Bihar.	Alkusa & Nyadee Collieries Co., Ltd.	Churu Majhi, (m.), 46, Coal-cutter.	Coal.	While a prop 27 feet long, was being set in a depillaring area, it fell against another prop, which was dislodged. In falling the dislodged prop knocked out another prop. The latter struck deceased on the head, causing injuries which proved fatal four days later. Inspection and inquiry made.
250	25th June, 11 45 A.M.	Manpur mine, Gaya P. O., Bihar.	Moniruddin,	Ganga Bhuish, (m.) 37, Labourer.	Stone.	While at work alone in a quarry deceased sustained fatal injuries in some unknown manner.



251	1st July, 4-45 A.M.	Bhurkunda mine, Bhurkunda P. O., Bihar.	Governor General for India in Council.	Sham Lal, (m.), 38, Labourer.	Coal	While a gang of loaders was engaged in loading coal from a heap of coal in a depillaring area, a lump of coal rolled down from the top of the heap and struck a prop which was dislodged. The falling prop struck deceased who, it was stated, was sleeping at the place of accident. He sustained serious injuries which proved fatal 5 hours later. Inspection and inquiry made.
252	12th July, 9 A.M.	Shankergarh quarry No. 5 mine, Shankergarh P. O., United Provinces.	Jethanand and Son	Nichbudhia, (f.) 29, Labourer.	Stone	While at work in a quarry deceased was struck and fatally injured by a large stone which was rolled down from the top of the quarry. Inspection and inquiry made.
253	21st September, 12-15 P.M.	South Kujama mine, Jharia P. O., Bihar.	Bagdigi Kujama Collieries Co.	Pana Gorain, (m.), 32, Chainman.	Coal	Deceased went near a partially broken brick-stopping to show his light to a surveyor when a portion of the stopping collapsed and fractured his skull. He succumbed to his injuries 45 minutes later. Inspection and inquiry made.
254	12th October, 2-30 P.M.	Jeetpur mine, Jharia P. O., Bihar.	Bengal Iron Co., Ltd. (In Liquidation).	Hari Gore, (m.), 40, Coal-cutter.	Coal	Deceased was working in a depillaring area when there was a sudden fall of roof in an adjoining goaf. While running away he bumped his head against a prop and sustained fatal injuries. Inspection and inquiry made.
255	16th October, 6 A.M.	Jotejanaki Khas mine, Toposi P. O., Bengal.	Danerjee Santan	Rambadan Jesor, (m.), 27, Timberman.	Coal	An extensive fall of roof occurred in the goaf of a depillaring area, which caused a severe air-blast. Deceased and a sirdar, who were running for safety, were caught by the air-blast and thrown to the ground. The sirdar received serious injuries, but deceased was struck by an empty tub which was blown over, and fatally injured. Inspection and inquiry made.
256	20th October, 11 P.M.	Victoria mine, Kulti P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Agnu Bhuiya, (m.), 32, Loader.	Coal	While deceased was carrying a lump of coal, measuring about 1'6" x 1'3" x 9", on his head down a gallery with a gradient of 1 in 8 he slipped and fell on his back. He sustained a fractured skull and died almost immediately. Inspection and inquiry made.
257	21st October, 8-30 P.M.	Mosaboni mine, Chatsila P. O., Bihar.	Indian Copper Cor- poration, Ltd.	Soona, (m.), 32, Labourer.	Copper	Deceased was engaged in repairing a chute at the bottom of a stope, when he was struck and fatally injured by a mass of stone 1'6" x 1' x 4" thick, which rolled down from a pile of a stones. Inspection and inquiry made.
258	27th October, 6-15 P.M.	Wah Lime stone mine, Wah P. O., Punjab.	Associated Cement Companies, Ltd.	Kala, (m.), 45, Shot-firer.	Lime stone.	While deceased was engaged in rolling down debris from the face of a quarry he overbalanced and fell to the bed of the quarry, 70 feet below. He sustained serious injuries to which he succumbed 15 hours later. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
			<b>SUNDRIES—(18 deaths)—concl'd.</b>			
259	25th December, 12 midnight.	Bejdih mine, Sunderchak P. O., Bengal.	Equitable Coal Co., Ltd.	Laru Roy, (m.), 50, Coal-cutter.	Coal	While deceased was carrying a lump of coal along a gallery underground, he slipped and fell, slightly injuring his right thumb. Tetanus supervened and he died thirteen days later. Inspection and inquiry made.
			<b>BY SURFACE MACHINERY—(1 death).</b>			
260	20th November, 7 A.M.	Karanjia mine, Chaibassa P. O., Bihar.	Mangi Lal Rungta	Rajo Rour, (m.), 20, Labourer.	White Clay.	Deceased entered the pump room of a clay washing plant, when his clothing was caught in a main driving shaft. He received serious injuries which proved fatal four hours later. Inspection and inquiry made.
			<b>ON SURFACE RAILWAYS AND TRAMWAYS BELONGING TO THE MINE—(15 deaths).</b>			
261	3rd January, 2 A.M.	North Damuda mine, Nudkharkee P. O., Bihar.	Shankerlal Agarwalla.	Amrit Singh, (m.), 42, Signaller.	Coal	While crossing a tram-line in front of a derailed tub being hauled up an incline with a gradient of 1 in 6, deceased was knocked down and sustained injuries which proved fatal 24 days later. Inspection and inquiry made.
262	20th January, 8-45 A.M.	Munsar mine, Kandri P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ltd.	Parnia Mahar, (m.), 27, Trammer.	Manganese.	While deceased was attempting to unload a tipping tub at the top of an embankment, 20 feet high, the tub overbalanced and fell down the embankment with him. He was killed instantly. Inspection and inquiry made.

263	21st February, 8 A.M.	Datta mine, Junnordeo P. O., Central Provinces.	Amalgamated Cosfields, Ltd.	Sorjoo Gadre, (m.), 35, Trammer.	Coal	A trammer was standing between two stationary tubs when a train of loaded tubs bumped into the stationary tubs, and caused them to move forward. He was crushed between the tippler and a tub. Pneumonia supervened and he died 23 days later. Inspection and inquiry made.
264	11th February, 3-30 A.M.	Katras-Choitodih mine, Katrasgarh P. O., Bihar.	Burrakur Coal Co., Ltd.	Kartic Mahato, (m.), 35, Trammer.	Coal	Deceased with two others was attempting to re-rail a loaded tub on the curve of a tram-line, when it turned over and fell on him. He sustained injuries to which he succumbed nine hours later. Inspection and inquiry made.
265	1st April, 3-45 P.M.	Sectalpur mine, Dialergarh P. O., Bengal.	Bengal Coal Co., Ltd.	Sarif Dosad, (m.), 40, Labourer.	Coal	In a railway siding an empty wagon was pushed against a stationary loaded wagon by deceased and others with a view to pushing forward the loaded wagon. The empty wagon recoiled and deceased was crushed between the buffers of this and another stationary wagon. Inspection and inquiry made.
266	7th April, 4 P.M.	Poidih mine, Sundarchak P. O., Bengal.	Bengal Coal Co., Ltd.	Kulada Baurin, (f.), 55, Labourer.	Coal	While assisting in hand-shunting an empty wagon deceased slipped and one of the wheels passed over her leg. She sustained serious injuries which proved fatal 25 hours later. Inspection and inquiry made.
267	14th April, 5-30 P.M.	Sitapathore mine, Sukh P. O., Central Provinces.	The Central Pro- vinces Mangan- ese Ore Co., Ltd.	Purni, (f.), 35, Loader.	Manga- nese.	While crossing a surface tramline, deceased was knocked down and run over a tub, which was being pushed by two trammers. She sustained injuries to which she succumbed one hour later. Inspection and inquiry made.
268	26th May, 4 P.M.	Soerampore mine, Giridih P. O., Bihar.	State Railways' Coal Department.	Sarif Meah, (m.), 29, Labourer.	Coal	Deceased was caught between the buffers of two wagons which were being shunted on a railway siding. He sustained fatal injuries. Inspection and inquiry made.
269	2nd June, 12-10 A.M.	Digwadih Mine, Jualgora P. O., Bihar.	Tata Iron & Steel Co., Ltd.	Chattu Rough, (m.), 28, Labourer.	Coal	Deceased was run over and fatally injured by a brake van of a "pilot" train, while the van was being shunted down a gradient of 1 in 100 on a railway siding. Inspection and inquiry made.
270	4th June, 6-30 A.M.	Bhulanbararee mine, Patbardih P. O., Bihar.	Bhulanbararee Coal Co., Ltd.	Gopal Sai, (m.), 23, Trammer.	Coal	While pushing a loaded tub along a surface tram-line dipping at 1 in 50, deceased slipped and was fatally injured by another loaded tub which overtook him. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupat on of person killed.	Name of mineral works.	Cause of accident and remarks.
<b>ON SURFACE RAILWAYS AND TRAMWAYS BELONGING TO THE MINE—(15 deaths)—contd.</b>						
271	3rd August, 3-45 P.M.	Shivrajpur mine, Shivrajpur P. O., Bombay Presidency.	The Shivrajpur Syndicate, Ltd.	Ramchandri Gandilal, (f.), 30. Labourer.	Manganese Ore.	While walking along a surface tramline, deceased slipped, fell down and was run over by an empty tub, which was being trammed. She sustained serious injuries. Gangrene supervened and she died 13 days later. Inspection and inquiry made.
272	26th September, 8 A.M.	Bengal Jharia mine, Jharia P. O., Bihar.	Bengal Jharia Colliery Co., Ltd.	Bideshi Musahar, (m.), 29. Trammer.	Coal	While a set of 13 loaded tubs was being lowered down a direct acting haulage dipping at 1 in 70, the leading tub derailed at a crossing. This tub overturned and struck deceased who sustained serious injuries which proved fatal 10 days later. Inspection and inquiry made.
273	24th October, 2 A.M.	Ramnagar mine, Kulti P. O., Bengal.	Bengal Iron Co., Ltd. (In liquidation).	Budha Majhi, (m.), 50. Trammer.	Coal	While a trammer was coupling a set of loaded tubs on the surface, his right thumb was crushed between the buffers of two of the tubs. Tetanus supervened and he died 48 days later. Inspection and inquiry made.
274	31st October, 10-30 A.M.	Dhemo Main mine, Sitarampur P. O., Bengal.	Dhemo Main Collieries, Ltd.	Lakhna Nunia, (m.), 25. Labourer.	Coal	While a wagon was being moved on a colliery siding, a labourer attempted to run round in front of the wagon to operate the brake on the other side. He slipped on the rail, and one wheel passed over his legs, fatally injuring him. Inspection and inquiry made.
275	29th November, 10-40 A.M.	Dongri Buzurg mine, Dongri Buzurg P. O., Central Provinces.	The Central Provinces Manganese Ore Co., Ltd.	Parbhoo Teli, (m.), 27. Miner.	Manganese.	Deceased was loading ore in a stationary tub on a level line, when two labourers pushed another tub towards it from behind. Deceased was caught between the two tubs and sustained fatal injuries. Inspection and inquiry made.

MISCELLANEOUS ON SURFACE

—(12 deaths).

276	3rd January, 11 A.M.	Bisodhar mine, Kodarma P. O., Bihar.	Chatturam Horil- ram, Ltd.	Mangar Turi, (m.), 30, <i>Labourer.</i>	Mica .	While picking a "dump" for mica, deceased was buried by a mass of debris which fell from the side. He was dead when extricated. Inspection and inquiry made.
277	29th January, 11 A.M.	Domarkhar mine, Sasaram P. O., Bihar.	Roh'tas Quarries, Ltd.	Bholu Bauri, (m.), 45, <i>Labourer.</i>	Lime- stone.	While deceased was levering down stones from the side of a hill, he overbalanced and fell down a distance of 28 feet. He sustained serious injuries to which he succumbed 4 hours later. Inspection and inquiry made.
278	10th February, 4 P.M.	Ramsilla Hill mine, Gaya P. O., Bihar.	G. W. Powell & A. Ghani.	Somra Bhuiya, (m.), 35, <i>Labourer.</i>	Stone .	While deceased was breaking stones on the slope of a hill, a stone weighing several lbs. rolled down, a distance of 15 feet, and struck him. He sustained serious injuries to which he succumbed 7 hours later. Inspection and inquiry made.
279	12th February, 4 A.M.	Lodna (4 & 5 Pits) mine, Jharia P. O., Bihar.	Lodna Colliery Co., (1926), Ltd.	Mahabir Singh, (m.), 30, <i>Trolleyman.</i>	Coal .	Deceased, who worked as a trammer at the top of a shaft, was fatally burnt when his clothing caught fire at a coal fire placed near the shaft. Inspection and inquiry made.
280	25th March, 3 A.M.	Chasnalla mine, Pathardih P. O., Bihar.	Indian Iron & Steel Co., Ltd.	Jazarrath Lohar, (m.), 55, <i>Fitter.</i>	Coal .	While descending an iron ladder deceased slipped and fell to the ground, a distance of 9 feet. He sustained injuries to the head which proved fatal three hours later. Inspection and inquiry made.
281	28th May, 9 A.M.	Sita-onzi mine, Goberwahi P. O., Central Provinces.	Central Provinces Manganese Ore Co., Ltd.	Mang'oo, (m.), 35, <i>Miner.</i>	Manga- nese.	Deceased was carrying a heavy piece of manganese ore on his head, when it broke. He lost his balance and fell on to another boulder, sustaining severe internal injuries, which proved fatal shortly afterwards. Inspection and inquiry made.
282	4th July, 8 A.M.	Akhalpur mine, Charanpur P. O., Bengal.	Hurriladhi Coal Co., Ltd.	Khoka Bauri, (m.), 40, <i>Labourer.</i>	Coal .	While standing on a staging deceased was engaged in pulling down coal from a chute of a screening plant, when he fell on to a slack heap, 5½ feet below. He died shortly afterwards. Inspection and inquiry made.
283	15th July, 4.30 P.M.	Manpur Mine, Gaya P. O., Bihar.	G. W. Powell and A. Ghany.	Bhola Sao, (m.), 59, <i>Labourer.</i>	Stone .	Deceased was removing stones in a quarry when a stone, weighing about 1 cwt., rolled on to his right hand inflicting serious injuries. His hand was amputated a week later and he died the same day. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
<b>MISCELLANEOUS ON SURFACE—</b> (12th deaths)—contd.						
284	28th July, 5-50 A.M.	Swang mine, Gumiya P. O., Bihar.	East Indian and Bengal Nagpur Railways.	Kanta Prasad Rewani, (m.), 27, Labourer.	Coal	While priming a pulsometer deceased inadvertently released hot water and steam by opening the wrong valve. He was severely scalded and died 11 days later. Inspection and inquiry made.
285	9th September, 5-30 P.M.	Gua Iron Ore mine, Gua P. O., Bihar.	Indian Iron & Steel Co., Ltd.	Sahadev, (m.), 26, Miner.	Iron Ore.	While deceased was engaged in removing overburden from the top of a quarry he overbalanced and fell to the bottom a distance of 70 feet. He was killed on the spot. Inspection and inquiry made.
286	27th October, 3 P.M.	Hindubagh No. 35 mine, Hindubagh P. O., Baluchistan.	Baluchistan Chrome Co., Ltd.	Isa Khan, (m.), 28, Contractor.	Chro- mite.	While deceased was engaged in quarry a mass of side fell and killed him on the spot.
287	28th October, 12-15 Noon.	Kargali Colliery, Bokaro P. O., Bihar.	Government of India, State Rail- ways' Coal Department.	Thuri, (m.), 35, Labourer.	Coal	While emptying a tipping tub deceased slipped from the edge of a spoil heap and sustained fatal injuries by rolling down the slope of the spoil heap for a distance of 60 feet. Inspection and inquiry made.

Fatal Accidents during the year 1942—*contd.*

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Reason for exclusion.	Cause of accident and remarks.
<b>FATAL ACCIDENT NOT INCLUDED IN THE STATISTICS—(28 deaths).</b>							
1	6th January, 12.30 P.M.	Merah mine, Chirkunda P. O., Bihar.	Kanti Ram Banerjee.	Gour Bauri, (m.), 50, <i>Not employed.</i>	Coal	Not a mining accident.	Deceased entered a discontinued quarry and was "robbing" coal when he was struck by about $\frac{1}{2}$ ton of earth and stone which fell from the side. He was fatally injured. Inspection and inquiry made.
2	7th January, 1 P.M.	Chanoh mine, Chirkunda P. O., Bihar.	Bengal Coal Co., Ltd.	Lakhoo Rai, (m.), 65, <i>Labourer.</i>	Coal	Not a mining accident.	While engaged in cleaning a haulage road underground, deceased had an apoplectic fit and died two hours later. Inspection and inquiry made.
3	8th January, 6 P.M.	Standard mine, Jharua P. O., Bihar.	Standard Coal Co., Ltd.	Isaque Soran, (m.), 22, <i>Coal-cutter.</i>	Coal	Not a mining accident.	While sleeping in a closed room deceased was overcome by the gases from a burning fire and died about four days later. Inspection and inquiry made.
4	13th February, 12 noon.	Banksimula (Nos. 7 & 8 Pits) mine, Charanpur P. O., Bengal.	Bengal Coal Co., Ltd.	Chamon Chamar, (m.), 55, <i>Loader.</i>	Coal	Not a mining accident.	While a loader was sitting with some of his companions waiting for tubs, he suddenly became unconscious and died from heart failure shortly afterwards. Inspection and inquiry made.
5	15th February, 11-15 A.M.	Warcha Salt mine, Warcha P. O., Punjab.	Government of India.	Khan Mohd., (m.), <i>Not employed.</i>	Salt	Not employed.	A loaded tub was being trammed on a surface tramline dipping at about 1 in 50, when deceased attempted to cross the tramline. He was run over by the tub and killed. Inspection and inquiry made.
6	15th April, 2 A.M.	Eklehra mine, Parasia P. O., Central Provinces.	Amalgamated Coalfields, Ltd.	Amroo Mehra, (m.), 25, <i>Trammer.</i>	Coal	Not a mining accident.	A surface trammer entered a covered railway wagon with a hurricane lantern, to remove some straw, before moving it under the screen. The straw, which was saturated with kerosene oil, caught fire and he was fatally burnt. Inspection and inquiry made.
7	20th April, 12 noon.	Damus mine, Bamhanwara P. O., Central Provinces.	Kanhan Valley Coal Co., Ltd.	Kaloo, (m.), 38, <i>Coal-cutter.</i>	Coal	Not a mining accident.	Deceased collapsed and died while resting underground. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1942—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Reason for exclusion.	Cause of accident and remarks.
<b>FATAL ACCIDENT NOT INCLUDED IN THE STATISTICS—(28 deaths)—contd.</b>							
8	25th April, 12-30 P.M.	Bhulanbararee Coal mine, Pathardighi P. O., Bihar.	The Bhulanbararee Coal Co., Ltd.	Makhu Majhian, (f.), 16, Labourer.	Coal	Not a mining accident.	Deceased was bathing in a tank, when she was drowned.
9	2nd June, 9-30 A.M.	Joyramdih mine, Nudkharkee P. O., Bihar.	Joyramdih Coal Co.	Dukhini Beldarin, (f.), 28.	Coal	Not a mining accident.	Deceased was found drowned in an abandoned water-logged quarry, which was adequately fenced. Inspection and inquiry made.
10	6th June, 5 A.M.	Kurhurbaree mine, Giridih P. O., Bihar.	State Railways Coal Department.	Kali Chamar, (m.), 66, Not employed.	Coal	Not employed.	While walking on a colliery siding deceased, who was deaf, was run over by a locomotive and killed instantly. Inspection and inquiry made.
11	26th June, 1-30 P.M.	New Ondal mine, Ondal P. O., Bengal.	Ondal Coal Co., Ltd.	Nemon Bhuiya, (m.), 5, Not employed.	Coal	Not a mining accident.	A child was run over and fatally injured by a train of empty tubs on a surface tramline. Inspection and inquiry made.
12	8th July, 2 A.M.	Parbelia mine, Neturia P. O., Bihar.	Bengal Coal Co., Ltd.	Badani Mejhian (f.), 28, Labourer. Suku Majhi, (m.), 30, Sambhu Majhi, (m.), 42, Coal-cutters.	Coal	Not a mining accident.	While a number of persons was sleeping in a bazar shelter, a large peepal tree fell on the corrugated iron roof and partly demolished it. Two miners and a kamin were crushed under the falling roof and killed instantly while two other miners and a kamin were seriously injured. Inspection and inquiry made.



13	8th July, 10 A.M.	Loyabad mine, Bansjora P. O., Bihar.	Burrakur Coal Co., Ltd.	Magan Kori, (m.), 25, Trammer.	Coal	Not a mining accident.	Deceased was found drowned in a reservoir containing about 3½ feet of water. Inspection and inquiry made.
14	14th July, 7-45 A.M.	Newton Chickli mine, Parasia P. O., Central Pro- vinces.	Newton Chickli Collieries, Ltd.	Gopi, (m.), 23, Loader.	Coal	Not a mining accident.	While walking along a haulage road, deceased collapsed and died. Inspection and inquiry made.
16	2nd August, 5-30 A.M.	Kurhurbaree mine, Giridih P. O., Bihar.	Government of India, State Rail- way's Coal Depart- ment.	Radhia Ghatwa- rin, (f.), 58, Not em- ployed.	Coal	Not a mining accident.	Deceased was collecting coal beneath a screening plant for her own use when her foot was run over by a moving wagon. She sustained injuries to which she succumbed 47 days later. Inspection and inquiry made.
16	7th August, 6 A.M.	West Bussureya mine, Nuddkharkee P. O., Bihar.	West Bussureya Coal Co.	Nandlal Beldar, (m.), 60, Labourer.	Coal	Not a mining accident.	While intoxicated, deceased passed through a fence and fell into a water-logged quarry and was drowned. Inspection and inquiry made.
17	16th August, 5 P.M.	Begonia mine, Barakar P. O., Bengal.	Oriental Coal Co., Ltd.	Lakhi Turin, (f.), 35, Labourer.	Coal	Not a mining accident.	At the end of her relay deceased fell down in a fit of hysteria and expired almost immediately. Inspection and inquiry made.
18	31st August, 9 P.M.	Kendwadih mine, Nawagarh P. O., Bihar.	B. N. Mondal & Co.	Baswa Rajwarin, (f.), 45, Labourer.	Coal	Not a mining accident.	The body of deceased was found lying at the foot of an eighteen feet high bank on which a tram-line had been laid. The cause of her death could not be definitely ascertained. Inspection and inquiry made.
19	7th Septem- ber, 7 A.M.	Sendra-Bansjora mine, Bansjora P. O., Bihar.	Sendra-Bansjora Colliery Co., Ltd.	Bansi Bhuiya, (m.), 18.	Coal	Not a mining accident.	Deceased was drowned while bathing in an abandoned water-logged quarry regularly used for bathing purposes. Inspection and inquiry made.
20	25th Septem- ber, 5 P.M.	Bright Jharia mine, Jharia P. O., Bihar.	Dana Premji & Co.	Kara Musabar, (m.), 32, Trammer.	Coal	Not a mining accident.	It is presumed that deceased went into a water-logged quarry to wash himself, when he fell into the water and was drowned. Inspection and inquiry made.

APPENDIX II—concl'd.

Fatal Accidents during the year 1942—concl'd.

Serial Number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Reason for exclusion.	Cause of accident and remarks.
<b>FATAL ACCIDENT NOT INCLUDED IN THE STATISTICS—(28 deaths)—concl'd.</b>							
21	28th September, 9 A.M.	Telaiya Charki mine, Jhumri Telaiya P. O., Bihar.	Chhotu Ram Hari, Ram, Ltd.	Mansoor Khan, (m.), 10, Nil.	Mica	Not employed.	While passing through an old surface cutting, 40 feet deep, deceased was struck and fatally injured by a fall of side, measuring about 8'×6'×3'. Inspection and inquiry made.
22	20th October, 4 P.M.	Bargolai mine, Margherita P. O., Assam.	The Assam Railways and Trading Co., Ltd.	Finju Lama, (m.), 50, Coal-puller.	Coal	Not a mining accident.	Deceased was seized with a fit of vomiting underground and died almost immediately from natural causes. Inspection and inquiry made.
23	21st October, 11 A.M.	Prosonno Dutta Kajora mine, Kajoragram P. O., Bengal.	Prosonno Coomara Dutta & Sons.	Jagadish Bhuiya, (m.), 10, Not employed.	Coal	Not a mining accident.	Deceased climbed over a fence surrounding the return wheel of a surface endless haulage when he was caught between the rope and the wheel. He was severely injured and died shortly afterwards. Inspection and inquiry made.
24	26th November, Not known.	Bbandarbodi mine, Ramtek P. O., Central Provinces.	Gavin Jones and Packwood.	Mangal Mahajan, (m.), 35, Cultivator.	Manganese.	Not a mining accident.	Deceased was found drowned in a disused quarry, containing 8 feet water. Inspection and inquiry made.
25	28th November, 4-30 P.M.	Lodna (Nos. 4 and 5 Pit.) mine, Jharia P. O., Bihar.	Lodna Colliery Co. (1920), Ltd.	Birna Meah, (m.), 18, Lamp boy.	Coal	Not a mining accident.	While wagons were being moved in a colliery siding by a railway engine, deceased attempted to pass between the buffers of two wagons and was crushed to death. Inspection and inquiry made.

26	30th Decem- ber. 2.30 P.M.	Begunia mine, Barakar P. O., Bengal.	Kasimbazar Raj Wards Estate.	Atwaria Tanti, (f.), 45. <i>Not an em- ployee.</i>	Coal	Not a mining acci- dent.	Deceased entered the old workings of an abandoned mine through a surface subsidence and was digging coal from the side of a small pillar when a mass of stone fell from the roof. She was struck and killed on the spot. Inspection and inquiry made.
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## APPENDIX III.

Statement of prosecutions under the Indian Mines Act, during the year 1942.

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, Bye-Laws and Rules and Sections of the Act contravened.	REMARKS.
Bihar .	Manbhum .	1	2	2	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23.	
	Do. .	1	1	1	Ditto.	
Bengal .	Burdwan .	1	4	3	Section 35 (e) of the Indian Mines Act, 1923.	The case against one of the accused dropped, as he died.
	Hazaribagh .	1	4	3	Section 29 (j) of the Indian Mines Act, 1923, read with Notification No. M-1055, dated the 1st February 1937, issued by the Government of India, Department of Labour and Section 28 of the Indian Mines Act, 1923, read with Rule 9 of the rules made by the Bihar Government under Section 30 of the Indian Mines Act, 1923.	
Bihar .	Manbhum .	1	1	..	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23; Section 29 (j) of the Indian Mines Act, 1923, read with Notification No. M-1055, dated the 1st February 1937, issued by the Government of India, Department of Labour and Section 28 of the Indian Mines Act, 1923, read with Coal Mines Regulation 149 and rule 9-A of the rules made by the Bihar Government under Section 30 of the Indian Mines Act, 1923.	

APPENDIX III—*contd.*Statement of prosecutions under the Indian Mines Act, during the year 1942—*contd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, Bye-laws and Rules and Sections of the Act contravened.	REMARKS.
Bihar— <i>contd.</i>	Hazaribagh .	1	3	3	Section 29 (j) of the Indian Mines Act, 1923, read with Notification No. M-1055, dated the 1st February 1937, issued by the Government of India, Department of Labour and Section 28 of the Indian Mines Act, 1923, read with rule 9 of the rules made by the Bihar Government under Section 30 of the Indian Mines Act, 1923.	
Punjab .	Mianwali .	1	1	--	Section 15 of the Indian Mines Act, 1923, read with Indian Metalliferous Mines Regulation 21.	Case withdrawn.
	Manbhum .	1	2	1	Order under Section 19(2) of the Indian Mines Act, 1923, Indian Coal Mines Regulation 70 and Bye-Law 31 of the Bye-laws for the Coal Mines made under Section 32 of the Indian Mines Act, 1923.	One of the accused acquitted.
Bihar .	Do. .	1	1	1	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23 and Indian Coal Mines Regulations 69 (1) and (2) and 137 (1) made under Section 29 of the Indian Mines Act, 1923.	
Bengal .	Burdwan .	1	1	1	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 123, Coal Mines Regulations 70(2) and 137 (1) and rule 15.	

APPENDIX III—*contd.*statement of prosecutions under the Indian Mines Act, during the year 1942—*contd.*

Provinces.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, Bye-laws and Rules and Sections of the Act contravened.	REMARKS.
Bihar.	Manbhum .	1	1	..	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23, Coal Mines Regulations 60(2) and 137(2) and rule 18.	Case with- drawn.
	Do. .	1	1	1	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23.	
	Hazaribagh .	1	2	2	Section 29 (j) of the Indian Mines Act, 1923, read with Notification No. M-1055, dated the 1st February 1937, issued by the Government of India, Department of Labour and Section 23 of the Indian Mines Act, 1923, read with rule 9 of the rules made by the Bihar Government under Section 30 of the Indian Mines Act, 1923.	
	Manbhum .	1	3	3	Indian Coal Mines Regulation 123, made under Section 29 of the Indian Mines Act, 1923.	
Bengal .	Burdwan .	1	1	..	Indian Coal Mines Regulation 146, made under Section 29 of the Indian Mines Act, 1923.	The case is pending.
Bihar .	Manbhum .	1	1	..	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23 and Indian Coal Mines Regulations 60(1) and 138(1) made under Section 29 of the Indian Mines Act, 1923.	Case with drawn, as the accused died.

## APPENDIX III--contd.

Statement of prosecutions under the Indian Mines Act, during the year 1942--contd.

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, Bye-laws and Rules, and Sections of the Act contravened.	REMARKS.
Bihar--contd.	Manbhum	1	2	2	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23 and Indian Coal Mines Regulations 70(2) 69(2), made under Section 29 of the Indian Mines Act, 1923.	
	Do.	1	2	..	Indian Coal Mines Regulation 17, made under Section 29 of the Indian Mines Act, 1923.	Proceedings dropped, as the accused were untraced.
	Do.	1	1	..	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23, Indian Coal Mines Regulation 53 and Section 26 of the Indian Mines Act, 1923.	
	Do.	1	3	..	Section 29(j) of the Indian Mines Act, 1923, read with Notification No. M-1055, dated the 1st February 1937, issued by the Government of India, Department of Labour, Section 28 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 149 and rule 9-A of the rules made by the Bihar Government under Section 30 of the Indian Mines Act, 1923, and Indian Coal Mines Regulations 67.	
	Do.	1	1	..	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23 and Indian Coal Mines Regulation 15(3A), 15(4) and 77.	

## APPENDIX III—contd.

Statement of prosecutions under the Indian Mines Act, during the year 1942—contd.

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, Bye-laws and Rules and Sections of the Act contravened.	REMARKS.
Bihar— <i>contd.</i>	Manbhum	1	1	1	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23.	
	Do.	1	1	1	Ditto.	
	Hazaribagh	1	4	..	Ditto.	Acquitted.
	Manbhum	1	1	1	Ditto.	
	Do.	1	1	1	Ditto.	
	Do.	1	1	1	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23 and Indian Coal Mines Regulation 69 (2).	
	Do.	1	2	..	Indian Coal Mines Regulation 67; Section 28 of the Indian Mines Act, 1923, read with Rule 9 of the rules made by the Government of Bihar under Section 30 of the Indian Mines Act, 1923 and read with Indian Coal Mines Regulation 149 and Rule 8 of the rules made under Section 30 of the Indian Mines Act, 1923.	Pending.
	Do.	1	1	1	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23 and Indian Coal Mines Regulation 69.	
	Do.	1	1	..	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23.	The case is pending.
	Do.	1	3	1	Ditto.	The case against the two accused was withdrawn.



## APPENDIX III—concl'd.

Statement of prosecutions under the Indian Mines Act, during the year 1942—concl'd.

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, Bye-laws and Rules and Sections of the Act contravened.	REMARKS.
Bihar—concl'd.	Manbhum .	1	1	1	Section 15 of the Indian Mines Act, 1923, read with Indian Coal Mines Regulation 23.	
	Do. .	1	5	..	Ditto.	The case against one of the accused was withdrawn, as he died and against the others is pending.
Bengal .	Burdwan .	1	1	..	Ditto.	Pending.
Bihar .	Manbhum .	1	1	..	Ditto.	Do.
Madras .	Nellore .	1	3	..	Indian Metalliferous Mines Regulations 43, 71 and 91.	Acquitted.
Bihar .	Hazaribagh .	1	2	2	Section 29 (j) of the Indian Mines Act, 1923, read with Notification No. M.-1055, dated 1st February 1937, issued by the Government of India, Department of Labour; Section 26 of the Indian Mines Act, 1923, read with Section 3(c) of the said Act, and Section 28 of the Indian Mines Act, 1923, read with Rule 9 of the rules made by the Government of Bihar under Section 30 of the Indian Mines Act, 1923.	
	Manbhum .	1	4	..	Indian Coal Mines Regulation 74, read with Indian Coal Mines Regulation 75.	Pending.
Central Provinces.	Chindwara .	1	2	2	Indian Coal Mines Regulation 95(2).	
	Do. .	1	2	1	Ditto.	One of the accused absconded.
	Do. .	1	2	2	Indian Coal Mines Regulation 81(2).	
	Do. .	1	1	1	Bye-law 14 made under Section 32 of the Indian Mines Act, 1923.	

## APPENDIX IV.

## Miscellaneous.

## Statement No. 1.

## LIST OF INSPECTING CIRCLE.

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

## Statement No. 2.

Names of persons to whom first and second class coal mine managers' certificates of competency were granted during the year 1942.

## INDIAN CERTIFICATES.

(Examinations held in February 1942.)

## (a) FIRST CLASS.

Name.	Number of certificate.	Date of certificate.	REMARKS.
Chatterjee, Butto Krishna	295	13th April 1942.	
Jain, Inder Sain	296	Ditto.	
George, K. Z.	297	Ditto.	
Rao, Sorab Gopal	298	Ditto.	
Pathak, Baseswar Dutt	299	Ditto.	
Sinha, Kedar Nath	300	Ditto.	
Srinivasan, Govindswamy	301	Ditto.	
Samanta, Lalit Madhab	302	Ditto.	
Sen, Sailajananda	303	Ditto.	
Banerjee, Phani Bhusan	304	Ditto.	
Chatterjee, Susanta Kumar	305	Ditto.	
Sinha, Ram Rup	306	Ditto.	
Bhardwaj, Dev Raj	307	Ditto.	
Claire, Nuranjan Singh	308	Ditto.	

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

Names of persons to whom first and second class coal mine managers' certificates of competency were granted during the year 1942—*contd.*

INDIAN CERTIFICATES—*contd.*

(Examinations held in February 1942.)

## (b) SECOND CLASS.

Name.	Number of certificate.	Date of certificate.	REMARKS.
Deo, Ramchandra Gopal . . . .	608	13th April 1942.	
Ruparelia, Vasanji Meghji . . . .	609	Ditto.	
Banerjee, Bhupendra Nath . . . .	610	Ditto.	
Sinha, Kedar Nath . . . . .	611	Ditto.	
Vasudevan, Margabandhu . . . . .	612	Ditto.	
Mukherjee, Manindra Nath . . . . .	613	Ditto.	
Jha, Ugra Narayan . . . . .	614	Ditto.	
Bansal, Ranglal . . . . .	615	Ditto.	
Mitra, Amal Kumar . . . . .	616	Ditto.	
Tara, Ratan M. R. . . . .	617	Ditto.	
Nandi, Hitendra Nath . . . . .	618	Ditto.	
Mitra, Bonode Behari . . . . .	619	Ditto.	
Chatterjee, Susanta Kumar . . . . .	620	Ditto.	
Rai, Kusheewar . . . . .	621	Ditto.	
Chandra, Niranjana . . . . .	622	Ditto.	
Shrivastava, K. N. . . . .	623	Ditto.	
Bhardwaj, Devraj . . . . .	624	Ditto.	
Bhargava, Bharadvaj . . . . .	625	Ditto.	
Roy, Sailaja Ranjan . . . . .	626	Ditto.	
Sharma, Jagat Ram . . . . .	627	Ditto.	

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

(Examinations held in November 1942.)

## (a) FIRST CLASS.

Name.	Number of certificate.	Date of certificate.	REMARKS.
Prabhakar Shankar Temurnikar . . . . .	309	27th January 1943.	
Amal Kumar Mitra . . . . .	310	Ditto.	
Mahadeb Chandra Sinha . . . . .	311	Ditto.	
Rang Lal Bansal . . . . .	312	Ditto.	
Hiran Kumar Ghosh . . . . .	313	Ditto.	
Iqbal Singh . . . . .	314	Ditto.	
Bhupendra Nath Banerjee . . . . .	315	Ditto.	
Hemanta Kumar Banerjee . . . . .	316	Ditto.	
Bikash Chandra Ghose . . . . .	317	Ditto.	
Kripa Shankar Mathur . . . . .	318	Ditto.	

## (b) SECOND CLASS.

Name.	Number of certificate.	Date of certificate.	REMARKS.
Sukhdeo Prasad . . . . .	628	27th January 1943.	
Hulas Rai Singhal . . . . .	629	Ditto.	
Manindra Nath Guin . . . . .	630	Ditto.	
Shakti Prasanna Mukherjee . . . . .	631	Ditto.	
Amiya Bhusan Sarkar . . . . .	632	Ditto.	
Sakaldeo Narain Singh . . . . .	633	Ditto.	
Iqbal Singh Grewal . . . . .	634	Ditto.	
Gopijiban Banerjee . . . . .	635	Ditto.	
Bal Ram . . . . .	636	Ditto.	
Parvati Shankar Yajnik . . . . .	637	Ditto.	
Himanshu Bhusan Ghose . . . . .	638	Ditto.	
Anwar Ali Khan . . . . .	639	Ditto.	
Anil Baran Moitra . . . . .	640	Ditto.	
Subbiah Narayana Rao . . . . .	641	Ditto.	
Bijoy Ranjan Roy . . . . .	642	Ditto.	
Hari Das Roy . . . . .	643	Ditto.	
Krishna Lal Sethi . . . . .	644	Ditto.	
Radha Raman Singh . . . . .	645	Ditto.	
Dineshwar Prasad Singha . . . . .	646	Ditto.	

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

## Statement No. 3.

## NOTIFICATION.

*Dated New Delhi, the 16th February 1942.*

**No. M.-1055(2).**—In exercise of the powers conferred by section 29 of the Indian Mines Act, 1923 (IV of 1923), the Central Government is pleased to direct that the following further amendment shall be made in the Indian Metalliferous Mines Regulations, 1926, the same having been previously published as required by sub-section (1) of section 31 of the said Act, namely :—

In regulation 1 of the said Regulations, sub-regulation (2) shall be re-numbered as sub-regulation (3), and before sub-regulation (3) as so re-numbered, the following sub-regulation shall be inserted namely :—

“(2) They extend to the whole of British India including Berar.”

H. C. PRIOR,

*Secretary to the Government of India.*

## Statement No. 4.

## NOTIFICATION.

*Dated New Delhi, the 28th May 1942.*

**No. M.-955.**—In exercise of the powers conferred by section 7 of the Indian Soft Coke Cess Act, 1929 (VIII of 1929), the Central Government is pleased to direct that, with effect from the 15th July 1942, the following further amendment shall be made in the Soft Coke Cess Committee Rules, the same having been previously published as required by sub-section (1) of the said section namely :—

For rule 23 of the said Rules, the following rule shall be substituted, namely :—

“23. *Weight for charge.*—For the purpose of the levy of the cess, the actual weight of a consignment, rounded off to the nearest ton, shall be taken into account.”

S. H. ZAHEER,

*Additional Deputy Secretary to the Government of India.*

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

## Statement No. 5.

## NOTIFICATION.

*Dated New Delhi, the 28th May 1942.*

No. M.-955.—In exercise of the powers conferred by rule 4 of the Coal Mines Rescue Rules, 1939, the Central Government is pleased to reconstitute, with effect from the 1st July 1942 the Rescue Stations Committee and to direct that it shall consist of the following members, namely:—

1. Mr. N. Barraclough, Deputy Chief Inspector of Mines in India, nominated by the Chief Inspector of Mines;
2. Mr. D. J. Jones, Bhuggutdih Colliery, Jharia, nominated by the Indian Mining Association;
3. Mr. P. H. Pandya, Industry Colliery, Post Office, Jharia, nominated by the Indian Colliery Owners' Association;
4. Mr. W. McDonald, Victoria Colliery, Kulti Post Office, District Burdwan, nominated by the National Association of Colliery Managers' Indian Branch;
5. Mr. K. K. Baksi, Godhur Colliery, Post Office Kusunda, District Manbhum, nominated by the Indian Mine Managers' Association;
6. Mr. P. C. Bose, Secretary of the Indian Miners' Association, nominated by the Registered Trade Unions of Miners (to represent the interest of miners); and
7. Rao Bahadur D. D. Thacker of Pure Jharia Colliery, nominated by the Central Government (to represent the interest of miners).

H. C. PRIOR,

*Secretary to the Government of India.*

## Statement No. 6.

## NOTIFICATION.

*Dated New Delhi, the 18th November 1942.*

No. M.-1051.—In exercise of the powers conferred by section 46 of the Indian Mines Act, 1923 (IV of 1923), the Central Government is pleased to direct that the following further amendments shall be made in the notification of the Government of India in the Department of Labour, No. M.-1051, dated the 20th January 1938, namely:—

I. Under the head "Bengal", to the entries under the sub-head "Fireclay Mines" the following entries shall be added, namely:—

"14. Salanpur . . .	D. N. Choudhury . . .	Salanpur . . .	Asansol . . .	Burdwan.
15. Siriskanali . . .	Ditto . . .	Siriskanali . . .	Ditto . . .	Ditto.
16. Mohanpur . . .	B. N. Roy . . .	Mohanpur . . .	Ditto . . .	Ditto.
17. Dasarmohan . . .	D. N. Choudhury . . .	Dasarmohan . . .	Ditto . . .	Ditto.

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 6—*contd.*

## II. Under the head "Bihar"—

(i) to the entries under the sub-head "Stone Mines", the following entries shall be added, namely:—

99. Madhavi Ramsila . . .	Abdul Jalil . . .	Chotki Nawada . . .	Gaya-Sadar . . .	Gaya.
100. Kanchanpur . . .	Khublal . . .	Kanchanpur . . .	Sasaram . . .	Shahabad.
101. Jojobera . . .	Tata Iron and Steel Co., Ltd.	Jojobera . . .	Jamsbedpur . . .	Singhbhum."

(ii) to the entries under the sub-head "Fireclay Mines", the following entry shall be added, namely:—

" 14. Nepur . . .	Reliance Fire-bricks and Pottery Co., Ltd.	Nepur . . .	Dhanbad . . .	Manbhum."
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III. Under the head "Bombay", to the entries under the sub-head "Stone Mines", the following entry shall be added, namely:—

" 17. Tamri . . .	S. M. Huskell . . .	Sewri . . .	Bombay . . .	Bombay."
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IV. Under the head "Central Provinces and Berar", to the entry under the sub-head "Bauxite Mines", the following entry shall be added, namely:—

" 4. Tikuria . . .	N. Venkata Ramana and Sons.	Tikuria . . .	Katni . . .	Bombay."
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## V. Under the head "Madras"—

(i) under the sub-head "Stone Mines", entries 20 and 30 shall be omitted, and entries 21 to 29 and entry 31 shall be re-numbered as entries 20 to 29;

(ii) for the sub-head "Lime Stone Mines" the sub-head "Limestone Mines" shall be substituted, and to the entry under the said sub-head the following entry shall be added, namely:—

" 2. Buggapalli . . .	Haje Sheik Meeran	Dhone . . .	Dhone . . .	Kurnool."
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APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 6.—*concl'd.*

## VI. Under the head "Sind"—

(i) for the sub-head "Stone Mine", the sub-head "Stone Mines" shall be substituted, and to the entry under the said sub-head, the following entries shall be added, namely:—

2. Sukkur . . . . .	Public works Department, Sukkur Barrage Division.	Sukkur . . . . .	Sukkur . . . . .	Kurnool.
3. Rohri . . . . .	Ditto . . . . .	Saidabad . . . . .	Rohri . . . . .	Ditto.
4. Sukkur . . . . .	N. W. Railway, Karachi.	Rohuja . . . . .	Sukkur . . . . .	Ditto."

(ii) after sub-head "Stone Mines" and the entries thereunder, the following sub-head and entries shall be inserted, namely:—

## "LIMESTONE MINES."

1. Bislaker . . . . .	Dalmia Cement, Ltd.	Okowari . . . . .	Tatta . . . . .	Karachi.
2. Rohri . . . . .	Associated Cement Co. Ltd.	Rohri . . . . .	Rohri . . . . .	Sukkur."

VII. Under the head "United Provinces", to the entries under the sub-head "Stone Mines" the following entries shall be added, namely:—

22. Shankargarh No. 1, E. I. R. Stone Quarry.	Seth Basant - Ram Sindhi.	Lakhanpur . . . . .	Allahabad . . . . .	Sukkur.
23. Lohogora . . . . .	Sheikh Hidayetullah	Lohogora . . . . .	Kurchana . . . . .	Ditto.
24. Lohgara . . . . .	Arur Singh . . . . .	Lohgara . . . . .	Allahabad . . . . .	Ditto.
25. Lohgara . . . . .	Ramdas Sharma . . . . .	Ditto . . . . .	Kurchana . . . . .	Ditto.
26. Lohgara . . . . .	Syed Ali . . . . .	Ditto . . . . .	Ditto . . . . .	Ditto.
27. Lohgara . . . . .	Bharat Singh . . . . .	Ditto . . . . .	Ditto . . . . .	Ditto."

S. H. ZAHEER.

Addl. Deputy Secy. to the Govt of India



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

## Statement No. 7.

## NOTIFICATION.

*Dated New Delhi, the 24th December 1942.*

No. M-1285(2).—In exercise of the powers conferred by Section 17 of the Mines Maternity Benefit Act, 1941 (XIX of 1941), the Central Government is pleased to exempt from the operation of the said Act, the mines, classes of mines, and parts of mines specified in the first column of the annexed Schedule subject to the conditions, if any, specified in the corresponding entry in the second column thereof:—

## SCHEDULE.

No.	1 Mines and classes exempted.	2 Conditions attached to exemption.
1	Mines or parts of mines in which excavation is being carried out for prospecting purposes only and not for the purposes of obtaining minerals for use or sale.	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 its highest to its lowest point nowhere exceeds 20 feet or, in the case of an excavation for coal,—50 feet.
2	Iron-ore mines worked without mechanical power, the whole of the ore from which is supplied locally to village smelters and blacksmiths.	The owner, agent or manager of any mines so exempted shall not permit any female to enter for purposes of employment, or be employed in, the underground workings, if any of the mine.
3	The following mines in the Province of Bombay, namely:—  Stone crushing plants forming part of the mines included in the Appendix to this schedule or situated in the Town and Island of Bombay.	

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement 7—*contd.*

No.	Name of mine.	Name of owner.	Situation.		
			Village.	Sub-Division.	District.
<b>BOMBAY.</b>					
<b>Stone Mines.</b>					
1	Danda Government Quarry.	Government of Bombay, Revenue Department.	Danda . . .	South Salsette	Bombay Suburban.
2	Danda Municipal Quarry.	Bandra Municipality	Do. . . .	Do. . . .	Do. . . .
3	Sevalia . . . .	B., B. & C. I. Railway.	Sevalia . . .	Thusrā . . .	Kaira.
4	Orwad . . . .	Walji Bhimji . . .	Orwad . . .	Bulsar . . .	Surat.
5	Khadki . . . .	Arjun Mavji . . .	Khadki . . .	Do. . . .	Do.
6	Motiwada . . .	Jaranji Dayabhai, Patel.	Motiwada . .	Do. . . .	Do.
7	Ratlao . . . .	B., B. & C. I. Railway.	Ratlao . . .	Do. . . .	Do.
8	Kachora . . . .	G. I. P. Railway . .	Kachora . . .	Kalyan . . .	Thana.
9	Anik . . . . .	Bombay Port Trust .	Anik and Mohul	..	Bombay Suburban.
10	Virar . . . . .	B., B. & C. I. Railway.	Virar . . . .	Bassein . . .	Thana.
11	Kandivli . . . .	Government of Bombay, Public Works Department.	Kandivli . . .	Salsette . . .	Bombay Suburban.
12	Do. . . . .	Government of Bombay, Revenue Department.	Do. . . . .	Do. . . . .	Do.
13	Malad . . . . .	Do. . . . .	Malad . . . .	Do. . . . .	Do.
14	Gilbert Hill (Andheri)	Government of Bombay	Andheri . . .	Andheri . . .	Do.
15	Sevalia . . . . .	Tribnandas Harji	Sevalia . . .	Thasra . . .	Kaira.
16	Dekor (Jaklarkhandi)	B., B. & C. I. Railway.	Ralohial Jakbad and Kakcar.	..	Do.

H. C. PRIOR,

Secretary to the Government of India.

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

## Statement No. 8.

## NOTIFICATION.

*Dated New Delhi, the 26th December 1942.*

No. M.-955.—In exercise of the powers conferred by section 30-A of the Indian Mines Act, 1923 (IV of 1923), the Central Government is pleased to direct that the following further amendment shall be previously published as required by sub-section (1) of section 31 of the said Act, namely :—

In the said Rules—

I. For rule 18, the following rule shall be substituted, namely :—

“18. *Remuneration of members.*—

(1) Each non-official member shall be paid Rs. 16 for each meeting attended by him, subject to a maximum of Rs. 32 for any one calendar month.

(2) A member performing a journey to attend a meeting, or with the approval of the Committee, on other business of the Committee, shall be paid—

(a) if a non-official, the actual travelling expenses incurred by him in performing the journey not exceeding the travelling allowance admissible to a Government servant of the first grade for a journey on tour,

(b) if a Government servant such travelling allowance as would be admissible to him under the appropriate rules if the journey had been performed on Government duty.”

II. In part II of Schedule V, for the entries under the heading “A. *Practices*”, the following shall be substituted, namely :—

“*Permanent Rescue Corps.*—In addition to regular practices at the Rescue Station, practices with breathing apparatus underground in a mine at least twice in each quarter and at least twelve times in each year.

*Men from Mines to act with permanent Rescue Corps.*—Practices with breathing apparatus at least once in each quarter and at least six times in each year, of which at least two shall take place in mines, and the remainder in a hot and irrespirable atmosphere.”

S. H. ZAFER,

*Additional Deputy Secretary to the Government of India.*

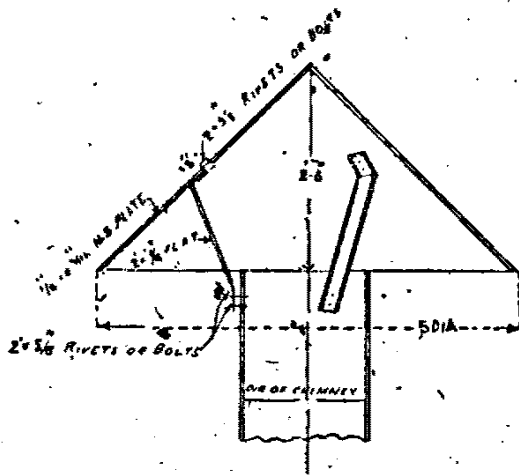
APPENDIX IV—*contd.*Miscellaneous—*contd.*

## Statement No. 9.

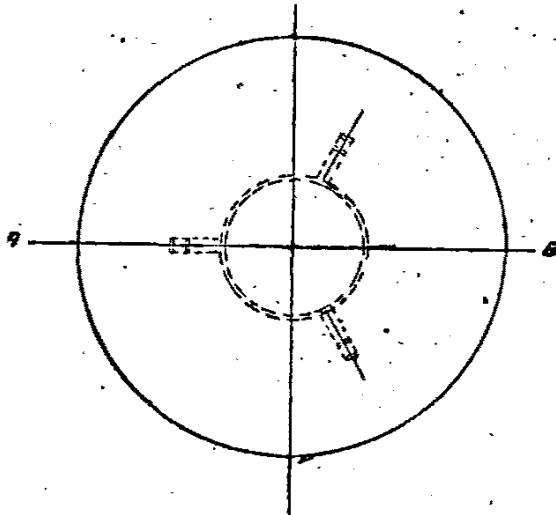
CIRCULAR NO. 1 OF 1942.

*Dated Dhanbad, the 16th April 1942.*

The diagram below indicates a suitable cowl for obscuring light at a vertical boiler.



SECTION ON A. B.



PLAN

W. KIRBY,

*Chief Inspector of Mines in India.*

APPENDIX IV—*contd.*

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Miscellaneous—*contd.*

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Statement No. 10.

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## CIRCULAR NO. 2 OF 1912.

*Dated Dhanbad, the 25th April 1912.*

FROM

W. KIRBY, Esq., B.Sc., M.I.Min.E.,  
CHIEF INSPECTOR OF MINES IN INDIA,

TO

THE OWNER, AGENT AND MANAGER,  
COAL MINE.

## MEMORANDUM.

My attention has been drawn to lamp glasses, which have not passed the required test and been approved for use in safety lamps having been offered to managements of mines, and in this connection, reference is made to Regulation 127(A) and (i) of the Indian Coal Mines Regulation, 1926.

The types of safety lamps approved for use in mines in British India are those safety lamps mentioned in the list of safety lamps approved in pursuance of Section 33 of the Coal Mines Act, 1911 (Great Britain), as amended by the Coal Mines General Regulations (Safety lamps) and described in the Schedules to the various Safety Lamps Orders made under that section.

No lamp glass, unless it is of an approved type, is permitted to be used in safety lamps required to be used in mines in pursuance of the Indian Coal Mines Regulations, 1926.

W. KIRBY,

*Chief Inspector of Mines in India.*

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Statement No. 11.

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## CIRCULAR NO. 3 OF 1912.

*Dated Dhanbad, the 5th May 1912.*

FROM

W. KIRBY, Esq., B.Sc., M.I.Mis.E.,  
CHIEF INSPECTOR OF MINES IN INDIA,

TO

THE OWNER, AGENT AND MANAGER,  
MICA MINE.

## MEMORANDUM.

You are hereby required to submit to the under-signed, within fourteen days of the receipt of this circular, a copy of a plan showing the underground workings of each of your mica mines. The plan should show the workings brought up-to-date not more than six months previous in accordance with Indian Metalliferous Mines Regulation 16.

W. KIRBY,

*Chief Inspector of Mines in India.*

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

Statement No. 12.

CIRCULAR NO. 4 OF 1942.

*Dated Dhanbad, the 29th July 1942.*

FROM

W. KIRBY, Esq., B.Sc., M.I.Min.E.,  
 CHIEF INSPECTOR OF MINES IN INDIA,

To

THE OWNER, AGENT OR MANAGER,  
 .....MINE.

## MEMORANDUM.

It is desired that full particulars should be given of all prime-movers, other than those driving electrical generating plant in use at your mine or mines. The number of prime-movers with the rated horse-power of each and the plant that each prime-mover is driving should be stated.

This information may be given as soon as possible.

W. KIRBY,

*Chief Inspector of Mines in India.*

Statement No. 13.

## NOTIFICATION.

*Dated New Delhi, the 16th February 1942.*

No. M.-955.—In exercise of the powers conferred by section 12 of the Coal Mines Safety (Stowing) Act, 1939 (XIX of 1939), the Central Government is pleased to direct that, with effect from the 16th March 1942 the following further amendment shall be made in the Coal Mines Safety (Stowing) Rules, 1939, the same having been previously published as required by sub-section (1) of the said section, namely :—

For rule 28 of the said Rules, the following rule shall be substituted, namely :—

“28. *Weight for charge*—For the purpose of the levy of the excise duty, the actual weight of a consignment, rounded off to the nearest ton, shall be taken into account.”

H. C. PRIOR,

*Secy. to the Govt. of India.*

APPENDIX IV—*concl'd.*Miscellaneous—*concl'd.*

## Statement No. 14.

*Dated New Delhi, the 22nd May 1942.*

ORDINANCE No. XXV OF 1942.

## AN ORDINANCE.

Further to amend the Coal Mines Safety (Stowing) Act, 1939.

Whereas an emergency has arisen which makes it necessary further to amend the Coal Mines Safety (Stowing) Act, 1939, for the purpose hereinafter appearing ;

Now, therefore, in exercise of the powers conferred by section 72 of the Government of India Act, as set out in the Ninth Schedule to the Government of India Act, 1935, the Governor General is pleased to make and promulgate the following Ordinance :—

1. (1) This Ordinance may be called the Coal Mines Safety (Stowing) Amendment Ordinance, 1942.

(2) It shall come into force at once.

2. In clause (i) of sub-section (2) of section 3 of the Coal Mines Safety (Stowing) Act, 1939, the words "in the services of the Crown" shall be omitted.

LINLITHGOW,

*Viceroy and Governor General.*

G. H. SPENCE,

*Secretary to the Government of India.*

## Statement No. 15.

## NOTIFICATION.

*Dated New Delhi, the 26th November 1942.*

No. M-955.—In exercise of the powers conferred by section 12 of the Coal Mines Safety (Stowing) Act, 1939 (XIX of 1939), the Central Government is pleased to direct that the following further amendment shall be made in the Coal Mines Safety (Stowing) Rules, 1939, the same having been previously published as required by sub-section (1) of the said section namely :—

In sub-rule (3) of rule 18 of the said Rules for the words "Contributions on account of the Chairman's", the words "Where the Chairman is a person in the service of the Crown, contributions on account of his" shall be substituted.

S. H. ZAHEER,

*Additional Dy. Secy. to the Govt. of India.*