

- (e.) No cartridge shall be used unless it is marked in the manner set forth in the Third Schedule to the British Home Office Explosives in Coal and Mines Orders, from time to time issued in addition to any marks required by the First or Second Schedule thereof.
- (f.) (i.) No shot shall be fired except by a shot-firer.
 (ii.) No shot shall be fired unless the shot-firer has examined with a locked safety-lamp or other apparatus approved for the purpose by the Minister the place where the shot is to be fired and all contiguous accessible places within a radius of 20 yards from the place, and has found them clear of inflammable gas. This requirement shall not apply to mines in which inflammable gas is unknown.
 (iii.) No shot shall be fired unless a shot-firer has examined the floor, roof, and sides of all contiguous places within a radius of 5 yards of the place where the shot is to be fired, for coaldust, and has taken efficient steps to render any dust within that area harmless.
- (g.) Except in a stone drift or in sinking pits two or more shots shall not be fired in the same place simultaneously, and the shot-firer shall make an examination immediately before the firing of each shot, and shall not fire the shot unless he finds the place where the shot is to be fired and all contiguous accessible places within a radius of 20 yards free from gas and in all respects safe for firing. In stone drifts the number of shots which may be fired simultaneously shall not exceed three unless fired electrically in series.
- (h.) No shot shall be fired except by means of an efficient magneto-electrical apparatus so enclosed as to afford reasonable security against the ignition of inflammable gas.
- (i.) Each explosive shall be used in the manner and subject to the conditions prescribed in the Schedules to the British Home Office Explosives in Coal Mines Orders from time to time issued.
130. In the main haulage-roads and main intake-airways, and any place immediately contiguous thereto, in any coal-mine which is not naturally wet throughout—
- (a.) No explosive shall be used other than a permitted explosive as hereinafter defined, and in accordance with the conditions prescribed by Regulation 130.
- (b.) No shot shall be fired without the special permission in writing of the manager or underviewer.
- (c.) No shot shall be fired unless the workmen have been removed from the seam in which the shot is to be fired and from all seams communicating with the shaft on the same level, except the men engaged in firing the shot and in addition such other persons, not exceeding ten, as are necessarily employed in attending to the ventilating-furnaces, steam boilers, engines, machinery or ventilating appliances, signals or horses, or in inspecting the mine:

Provided that in mines where mechanical power or gravity is used for the purpose of haulage from the face, and the movement of the strata renders it necessary to maintain the height of the roads by ripping, the foregoing provisions relating to the removal of workmen shall not apply to men who may remain in the mine for the purpose of carrying on the ripping within such distance of the face as may be fixed by the manager with the approval of the Inspector, or for the purpose of repairs.

Part III.—Supplemental.

131. The foregoing provisions shall apply in the case of sinking operations, with the following additions:—
- (a.) No explosive shall be taken or sent in to the shaft until immediately before it is required for use.
- (b.) No shot shall be fired except by means of an efficient magneto-electrical apparatus.
- (c.) The firing-cable shall not be coupled up to the fuse or detonator wires until the kettle, kibble, tub, bowk, or hoppet is conveniently placed for the men in the shaft to enter, and the chargeman shall receive a signal from the surface that the engineman is ready to draw away on receipt of the signal to do so, and the cable shall not be coupled to the firing-apparatus until all persons are in a place of safety.
- (d.) After a shot has been fired the chargeman shall not allow any person to descend until he has descended, accompanied, if necessary, by not more than two other persons, and has examined the place and found it to be safe in all respects. If the place is one in which inflammable gas has been found or is likely to be found, the examination shall be made with a locked safety-lamp of a type which will indicate the presence of such gas.

132. Where a mine contains separate seams, all regulations regarding explosives shall apply to each seam as if it were a separate mine.

133. A copy of all regulations regarding explosives shall be supplied to every shot-firer, and shall also be kept posted up in some conspicuous place at or near the mine where it may be conveniently read or seen by the person employed.

134. (1.) In all regulations regarding explosives—

The term "permitted explosives" means (a) the explosives in the Explosives in Coal-mines Orders from time to time issued and enforced by the British Home Office; and (b) for a period of five years from the 1st January, 1915, the non-detonating explosives named in the Second Schedule thereto.

Provided that the use of the explosives named and defined in the said Second Schedule is permitted only for the purpose of bringing down coal (whether by shots placed in the coal or by shots placed in the stratum immediately above or below the coal), and only in the following class of mines—that is, mines which are not liable to blowers or sudden outbursts of firedamp, and in which firedamp does not exist in the coal at a pressure which makes the use of such explosives dangerous, and in which the dust on the floor, roof, and sides of the roads in neither naturally so largely composed of incombustible matter as not to be dangerous or has been rendered so by artificial means. If any question arises as to whether a mine is a mine of the aforesaid class or not the decision of the Inspector shall be final, subject to an appeal to the Chief Inspector of Coal-mines.

Provided further, as regards the explosives named and defined in either the First or Second Schedules, where the composition, quality, or character of any explosive is defined in those Schedules, any article alleged to be such explosive which differs therefrom in composition, quality, or character, whether by reason of deterioration or otherwise, shall not be deemed to be the explosive so defined; but an owner or manager shall not be responsible for the composition, quality, or character of an explosive if he shows that he has in good faith obtained a written certificate from the maker or his accredited agent that it complies with the terms of the said Schedules, and that he has taken all reasonable means to prevent deterioration of the explosive while stored.

The term "road" includes all roads of any description extending from the shaft or outlet to within 10 yards of the coal-face.

The term "main haulage-road" means a road which has been or for the time being is in use for moving tubs by gravity or by mechanical power.

(2.) Permitted explosives shall be used only with a detonator or electric detonator of not less strength than those specified in the schedule to the Home Office Orders.

SAFETY-LAMPS.

135. Wherever safety-lamps are required by the said Act or these regulations to be used, no safety-lamp or lamp-glass shall, after the 1st day of January, 1916, be used by any person employed in a mine unless it is of a type for the time being approved by the Minister, and as named and described in the current Home Office Safety-lamp Orders, and the schedules to such Orders.

136. The underground use of apparatus for the relighting electrically of safety-lamps is authorized, provided—

- (a.) The apparatus complies in all respects with the requirements of any regulations in force for the time being with respect to the use of electricity underground, and is in accordance with the provisions of such regulations and of the Coal-mines Amendment Act, 1914.
- (b.) The station where the apparatus is used shall not be within a distance of 200 yards of any part of the working-face.
- (c.) When not in use the apparatus shall be kept securely locked, and no person shall be given or have in his possession any key or contrivance for unlocking the apparatus, other than a person appointed in pursuance of section 8 (46B) (i) of the last-mentioned Act.

MANNER OF SEARCH OF PERSONS EMPLOYED BELOW GROUND FOR PROHIBITED ARTICLES, BEFORE THE COMMENCEMENT OF WORK.

137. The manager of a mine in which, or in any part of which, safety-lamps are required by the Act or the regulations to be used shall for the purpose of ascertaining, before the persons employed below ground in the mine, or in such part of