(3.) The incombustible dust used for the purpose of the preceding subclause shall contain not less than 50 per cent. by weight of fine material capable, when dry, of passing a sieve with 200 meshes to the linear inch (40,000 to the square inch); provided that if a larger proportion of incombustible dust is used than is required under the preceding subclause the percentage of fine material aforesaid contained in the incombustible dust may be reduced proportionately, but shall not fall below 25 per cent.

(4.) For the purposes of testing the composition of the dust mixture in any part of a road the following procedure shall be adorted:

be adopted :-

(a.) Representative samples of the dust shall be collected from the floor, roof, and sides over an area of road not less than 50 yards in length.

(b.) The samples collected shall be well mixed, and a portion

of the mixture shall be sieved through a piece of metallic gauze having a mesh of 28 to the linear inch. weighed quantity of the dust which has passed through the sieve shall be dried at 212° F., and the weight lost shall be reckoned as moisture. The (c.) A weighed sample shall then be brought to a red heat in an open vessel until it no longer loses weight. The weight so lost by incineration shall be reckoned as combustible matter for the purposes of the test

Provided that in the case of dusts to which the foregoing test would not be applicable, the tests shall

be such as may be approved by the Minister of Mines.

If any dispute arises as to the test which should be applied, it shall be determined by the Chief In-

Representative tests shall be made by the management at intervals at not less than six months, and the results shall be posted at the mine-mouth or

(5.) No dust shall be used for the purpose of complying with these regulations of a kind which may be prohibited by the Minister of Mines on the ground that it would be injurious to the health of persons working in the mine; provided that if any dispute arises as to whether the dust is injurious it shall be determined by the Chief Inspector.

PRECAUTIONS AGAINST SPONTANEOUS COMBUSTION OF COAL.

247. The following provisions shall apply to any mine or part of a mine in which safety-lamps are required by the said Act to be used, and to any other mine where the Minister of Mines directs that they shall apply in view of the conditions existing in that mine.

(1.) On the appearance in any part of the mine of smoke or other sign indicating that a fire has or may have broken out below ground, every workman other than those necessarily engaged in dealing with the emergency shall be withdrawn from the ventilating district or districts affected, and before any workman is readmitted into the district or districts affected the manager or underviewer, accompanied by the fireman-deputy, shall examine the district or districts, and shall make a full and accurate report of the condition of the district or districts, and no workman shall be readmitted unless the manager or underviewer making the examination reports the mine to be safe. Every such report shall be signed by the persons making the examination, and shall indicate, if possible, by means of a plan, the situation of the fire. The report shall be kept at the office of the mine. The reports made by the responsible official appointed to supervise the affected area shall be posted up at the mine-mouth or pit-head at the end of each shift for the information of the workmen.

(2.) When the existence of a fire has been definitely ascer-

tained, every workman, except those engaged in combating the fire, shall be withdrawn from the seam in which the fire exists and from every other seam communicating with the shaft on the same level, and shall not be readmitted until an examination has been made and the seam or seams reported to be safe in the manner indicated above

Provided that-(a.) It shall not be necessary to withdraw the workmen on the intake side of the fire if the seam or, in cases to which proviso (b) applies, the ventilating district in which the fire exists is naturally wet throughout, and it is reported after examination made in the

manner indicated above that it is safe for such men

to remain: (b.) It shall only be necessary to withdraw the workmen (b.) It shall only be necessary to withdraw the Workmen from the ventilating district or districts in which the fire exists if each ventilating district in the seam is adequately protected against the spread of an explosion of coaldust from any other district by some means approved by the Minister of Mines:
(c.) It shall not be necessary to withdraw the workmen from any seam communicating with the shaft on the same level if such seam is naturally wet throughout.

same level if such seam is naturally wet throughout

or is adequately protected against the spread of an explosion of coaldust from the seam in which the fire exists by some means approved by the Minister of Mines.

(3.) While a fire is being dammed off, every workman in the mine, except the men engaged in the work of damming off the fire, shall be withdrawn from the mine, and shall not be readmitted after the completion of the work until an examination has been made, and the mine reported to be safe, in the manner indicated above. There shall be available during the whole time at or near the place two suits of breathing-apparatus or two smoke-helmets, and persons competent to use them.

(4.) Such means as may be approved by the Minister for the purpose shall be taken to render harmless the coaldust in all accessible parts of the mine immediately con-

tiguous to the seat of the fire.
(5.) The Minister may, by regulation, modify the requirements of this regulation in respect of any mine to such extent and subject to such conditions as he may think fit, if he is satisfied that this can be done without danger in view of the special character of the mine.

248. Where in any mine or part of a mine to which the foregoing regulation does not apply the existence of a fire has been definitely ascertained, an examination of the place in which the fire exists shall be made in the manner indicated above, and if any part is reported to be dangerous the workmen, except those engaged in combating the fire, shall be

withdrawn from such part.

When the workmen have been withdrawn from any part.

When the workmen have been withdrawn from any part in pursuance of this regulation they shall not be has been made and of the mine in pursuance of this regulation they shall not be readmitted until a further examination has been made and such part reported to be safe in the manner indicated above.

ELECTRICITY.

The following regulations shall not apply in the case of

any apparatus used above ground, except such as may directly affect the safety of persons below ground:—
249. It shall be the duty of the mine-owner, agent, and manager to comply with and enforce the following regulations, and it shall be the duty of all workmen and persons employed to conduct their work in accordance with the

regulations.
250. "Pressure" means the difference of electrical potential between any two conductors, or between a conductor and earth as read by a hot wire or electrostatic voltmeter.

"Low pressure" means a pressure in a system normally

not exceeding 250 volts where the electrical energy is used.
"Medium pressure" means a pressure in a system normally above 250 volts, but not exceeding 650 volts, where the

"High pressure" means a pressure in a system normally above 650 volts, but not exceeding 3,300 volts, where the

electrical energy is used or supplied.

"Extra-high pressure" means a pressure in a system normally exceeding 3,300 volts where the electrical energy is used or supplied.

"System" means an electrical system in which all the conductors and apparatus are electrically connected to a common source of electromotive force.

"Concentric system" means a system in which the circuit in a conductor or conductors (called the "inner conductor") is completed through one or more conductors (called the "outer conductor") arranged so that the inner conductor is insulated and the outer conductor is disposed over the in-sulation of and more or less completely around the inner conductor.

"Conductor" means an electrical conductor arranged to be electrically connected to a system.

"Apparatus" means electrical apparatus, and includes all apparatus, machines, and fittings in which conductors are used or of which they form a part.

"Circuit" means an electrical circuit forming a system or

branch of a system.

"Covered with insulating-material" means adequately covered with insulating-material of such quality and thick-

ness that there is no danger.
"Metallic covering" means iron or steel armouring with or without a lead or other metallic sheath as the conditions of the case may require, or an iron or steel pipe surrounding two

the case may require, or an iron or steel pipe surrounding two or more conductors.

"Bare" means not covered with insulating-material.

"Live" means electrically charged.

"Dead" means at or about zero potential, and disconnected from any live system.

"Open sparking" means sparking which, owing to the lack of adequate provision for preventing the ignition of inflammable gas external to apparatus, would ignite such inflammable gas.