

WINDING-ENGINE DRIVER : ELECTRIC (COMPETENCY).

32. The electric winding-engine driver's certificate entitles the holder to drive and have charge of any electrically driven machinery used for winding purposes in a mine.

33. An applicant for examination for the electric winding-engine driver's certificate must—

- (a) Be at least twenty-one years of age :
- (b) Forward with his application a fee of £1 :
- (c) Furnish a testimonial as required by Regulation 15 (c) :
- (d) Furnish a medical certificate as required by Regulation 19 :
- (e) Produce satisfactory proof of the following service (except that, if the applicant is the holder of the steam winding- or the hydraulic winding-engine driver's certificate, this service will not be required) : That, for at least 160 hours, he has served as assistant to a certificated electric winding-engine driver in operating an electric winding-engine by means of which persons are drawn up, down, or along any shaft, pit, or inclined plane in a mine, or by means of which material is raised or lowered when a shaft is being sunk in a mine :
- (f) Undergo a practical test on electric winding-machinery and satisfy an Inspector of Mines and a duly certificated electric winding-engine driver approved by the said Inspector of Mines that the candidate is competent to work the said electric winding-machinery in raising and lowering men in a mine.

34. The subjects for oral examination shall be as follows :—

- (a) Simple questions connected with electric motors used for winding purposes, and their connections.
- (b) The different appliances used to show the position of the cage in the shaft or the truck on the plane in which persons or materials are conveyed ; also the meaning of the different signals used in mines or coal-mines.
- (c) The description and uses of the different brakes used for machinery of this class.
- (d) The precautions necessary when dealing with high-tension circuits, and the means to be adopted for the restoration of persons suffering from electric shock.

LOCOMOTIVE AND TRACTION ENGINES.

LOCOMOTIVE- AND TRACTION-ENGINE DRIVER (COMPETENCY).

35. The holder of the locomotive- and traction-engine driver's certificate may drive and have charge of any steam-engine propelled or moved from place to place by its own motive power or machinery. He is deemed also to be the holder of the second-class engine-driver's certificate.

36. An applicant for examination for the locomotive- and traction-engine driver's certificate must—

- (a) Be at least twenty-one years of age :
- (b) Forward with his application a fee of £1 :
- (c) Furnish a testimonial as required by Regulation 15 (c) :
- (d) Furnish a medical certificate as required by Regulation 19 :
- (e) Produce satisfactory proof of at least one of the following service qualifications :—
 - (1) Having been for at least six months engaged at firing or steering a steam locomotive- or steam traction-engine.
 - (2) Having been for at least six months in charge of a steam-engine and boiler.

Subjects for Examination.

37. The subjects for oral examination shall be as follows :—

- (a) The candidate must understand the rule of the road, and under what conditions traction-engines are allowed to travel on public roads and highways.
- (b) He must understand the meanings of all the different lights and signals used on railways and railway-crossings in New Zealand.
- (c) He must pass an oral examination, to the satisfaction of the examining officer, as to the details of the different parts of a steam locomotive- and a steam traction-engine, and give an explanation on the use of each part.