

(4.) The examination for underviewers' certificates shall be partly written, oral, and practical, and shall include the following subjects:—

- (a.) Working coal and timbering underground.
- (b.) Mine-gases, spontaneous combustion, and ventilation.
- (c.) Dealing with old workings and other sources of danger.
- (d.) Arithmetic, and a knowledge of the Coal-mines Act, 1908, and the amendments thereto, and the regulations issued thereunder.
- (e.) First aid to the injured.

(f.) A candidate will be required to show that he is able to make accurate tests for inflammable gas, and that he can do this with any of the various kinds of safety lamp, and with any of the various kinds of oil in use in the district in which he is employed. For this purpose he will be required, first, to show to the examiner that he understands the method of detecting inflammable gas by means of a safety lamp, and secondly, to make correct observations of gas-caps as they appear on the flames of various kinds of safety lamps burning the various kinds of oil. By a correct observation is meant that the candidate must be able to judge by the size and appearance of the cap how much gas approximately is present. He will be tested with percentages of gas from 2 per cent. upwards, and no candidate will pass who is unable to see a 2-per-cent. cap. A candidate who ordinarily wears glasses will not necessarily be called upon to make the observations without them, but it will rest with the examiner to decide by such tests as he thinks fit whether the eyesight is so defective that under the working-conditions in a mine a candidate would not be able to make accurate observations.

(g.) A candidate will be required to show that he can measure the quantity of air in an air-current. The quantity of air in cubic feet per minute passing through the air-way of a mine being found by multiplying the number of square feet in the cross-section of the air-way by the speed of the air-current in feet per minute, the candidate will be required, first, to measure the speed of the air-current passing through the air-way of a mine, or through some gallery corresponding to or representing the air-way of a mine, both (i) by means of an anemometer and (ii) by observing the speed at which dust or smoke is carried by the air-currents; and, secondly, to calculate from the measurements the size (that is, cross-sectional area) of the air-way or gallery in which the air to be measured is passing.

(h.) The candidate's hearing will be tested. The regulations require that his hearing should be such as to enable him to carry out his duties efficiently. This does not mean that a fireman must possess a standard of hearing above that of the average man, nor is it required that his hearing must be up to the standard in both ears. If the candidate is able to hear sounds audible to the average man it will be sufficient. The tests will usually be of a simple nature, and will naturally be varied by the examiner with different candidates and at different times.

2. The examination for firemen and deputies shall be oral and practical, and shall include—

- (1.) Working coal and timbering underground;
- (2.) Mine-gases, spontaneous combustion, and ventilation;
- (3.) A knowledge of the general and special rules under the Coal-mines Act, 1908, and the amendments thereto;
- (4.) First aid to the injured.
- (5.) Also the requirements set out in subclauses (f) and (h) of clause 4 of Regulation 1 herewith.

3. All applications for examination for certificates shall, prior to examination, be forwarded by the Secretary of the Board to the Inspector of Mines for the district for inquiry as to the *bona fides* of the applicant.

4. Every candidate for a certificate by examination shall at least one month before the date fixed for the examination, and in the Form No. 3 hereto, make application in that behalf to "The Secretary of the Board of Examiners under the Coal-mines Act," at Wellington, and shall forward therewith the prescribed fee of 5s. and also a medical certificate that his senses of sight and hearing are not defective.

5. For the purpose of enabling the Board to determine whether the candidate possesses the requisite practical experience, his application shall specify with sufficient particularity for identification and reference the respective mines in which he has been employed, and the period and nature of his employment in each.

6. Examinations will be held at centres convenient to the coal-mines when five or more approved candidates are available.

7. Individuals requiring to sit for examination urgently will be examined in Wellington at any time after due notice is given and the regulations have been complied with.

FORM 1.

The Coal-mines Amendment Act, 1909.

UNDERVIEWER'S CERTIFICATE OF COMPETENCY.

THIS is to certify that [State name in full, address, and occupation of person examined] has produced satisfactory evidence as to his experience, sobriety, and good conduct, and has passed the examination as underviewer of a coal-mine, as required by section 9 of the Coal-mines Amendment Act, 1909, and the regulations thereunder.

A. B.,

Chairman of Board of Examiners.

Entered, Vol. , folio  
C. D., Secretary.

FORM 2.

The Coal-mines Amendment Act, 1909.

FIREMAN AND DEPUTY'S CERTIFICATE OF COMPETENCY.

THIS is to certify that [State name in full, address, and occupation of person examined] has produced satisfactory evidence as to his experience, sobriety, and good conduct, and has passed the examination as fireman and deputy of a coal-mine, as required by section 9 of the Coal-mines Amendment Act, 1909, and the regulations thereunder.

A. B.,

Chairman of Board of Examiners.

Entered, Vol. , folio  
C. D., Secretary.

FORM 3.

The Coal-mines Act, 1908.

APPLICATION TO BE EXAMINED FOR CERTIFICATE.

To the Secretary of the Board of Examiners, Wellington.

I [Full name, occupation, and residence], the undersigned, hereby apply to be examined for a certificate as . . . I enclose the prescribed fee of\* , and hereby declare as follows:—

(1.) My practical experience consists of actual employment as specified in the Schedule hereto; and in proof thereof I forward with this application evidence in writing from my previous employers, as specified in that Schedule.

(2.)† I am the holder of a second-class certificate, No. , and desire to be examined for a certificate of the first-class.

Dated at , this day of , 191 .

SCHEDULE.

Particulars and Proof of Employment.

Name and Locality of Mine.	Name of Employer.	Period of Employment.		Nature of Employment.	Nature of Evidence in Writing.
		From	To		

Signature of Applicant:

\* First-class mine-manager, £1; second-class mine-manager, £1; underviewer, 5s.; fireman and deputy, 5s.

† If the applicant is a candidate for examination for a mine-manager's certificate, and already holds a certificate of the second class, add this paragraph.

J. F. ANDREWS,  
Clerk of the Executive Council.

Regulations under the Inspection of Machinery Act, 1908, and Amendments, as to Winding-engine Drivers' Certificates.

LIVERPOOL, Governor.

ORDER IN COUNCIL.

At the Government House, at Wellington, this twenty-sixth day of February, 1914.

Present:

HIS EXCELLENCY THE GOVERNOR IN COUNCIL.

WHEREAS by section sixty-one of the Inspection of Machinery Act, 1908, it is enacted that the Government may from time to time, by Order in Council gazetted, make regulations for the examinations for certificates: And