



Government Gazette

OF
WESTERN AUSTRALIA.

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PERTH : SATURDAY, JULY 1.

[1922.

Inspection of Machinery Act, 1921.

PROCLAMATION

WESTERN AUSTRALIA, } By His Excellency Sir Robert Furse McMillan, Knight,
To Wit. } Lieutenant-Governor and Administrator in and over the
R. F. McMILLAN, } State of Western Australia and its Dependencies in the
Lieutenant-Governor Commonwealth of Australia.
and Administrator.
[L.S.]

Corres. 1028/22.

WHEREAS by the "Inspection of Machinery Act, 1921," it is provided that the said Act shall come into operation on a day to be fixed by Proclamation: Now therefore I, the said Lieutenant-Governor and Administrator, do hereby, with the advice and consent of the Executive Council, proclaim that the "Inspection of Machinery Act, 1921," shall come into operation on the 3rd day of July, 1922.

Given under my hand and the Public Seal of the said State, at Perth, this 21st day of June, 1922.

By His Excellency's Command,

J. SCADDAN,
Minister for Mines.

GOD SAVE THE KING ! ! !

*Inspection of Machinery Act, 1921.**Districts.*

PROCLAMATION

WESTERN AUSTRALIA, } By His Excellency Sir Robert Furse McMillan, Knight,
 To Wit. } Lieutenant-Governor and Administrator in and over the
 R. F. McMILLAN, } State of Western Australia and its Dependencies in the
 Lieutenant-Governor } Commonwealth of Australia.
 and Administrator.
 [L.S.]

Corres. 1028/22

WHEREAS by the provisions of Section 5 of the "Inspection of Machinery Act, 1921," it is enacted that the Governor may by Proclamation, from time to time, divide the State into Districts with such boundaries as he may think convenient, and may assign to any District a name by which it shall be known, for the purposes of the said Act, and may in like manner from time to time alter the boundaries of any District: Now therefore I, the said Governor, in exercise of the powers so vested in me, and of all other powers enabling me on that behalf, by and with the advice and consent of the Executive Council, do hereby proclaim the several Districts named in the Schedule hereto, with the boundaries therein stated, as Districts within the meaning and for the purposes of the said Act.

Given under my hand and the Public Seal of the said State, at Perth, this 21st day of June, 1922.

By His Excellency's Command,

J. SCADDAN,
 Minister for Mines.

GOD SAVE THE KING ! ! !

THE SCHEDULE.

SOUTH-WESTERN.

Bounded by lines starting from the mouth of the Murchison River and extending Easterly along the left bank of said river to its intersection with the Western boundary of the Yalgoo Goldfield; thence South along said boundary to Tallering Peak, a general South-Easterly direction to Survey Mark D68, and Easterly passing through Trig. Station K88 on Mount Churchman to the 100-Mile Post on the Northern section of No. 1 Rabbit-proof Fence; thence along said fence Southerly to Burracoppin and South-Easterly to a point due West of Mount South Ironcap; thence East passing through Mount South Ironcap to a point on the Western boundary of the Dundas Goldfield; thence South and East along the West and South boundaries of the said goldfield and prolongation of same to the Southern Coast; thence by the coastline in a general Westerly direction to Cape Leeuwin, and a general Northerly direction to the starting point at the mouth of the Murchison River; including all islands adjacent thereto.

CARNARVON.

Bounded by lines starting from the mouth of the Murchison River and extending along the left bank of said river in a general Easterly direction to a point due North of Bompas Hill; thence in a North-Westerly direction to a point on the Western coast due West of the South-West corner of the Ashburton Goldfield; thence along said coast in a general Southerly direction to the starting point, at the mouth of the Murchison River.

YILGARN.

Bounded by lines starting from a point North of Cairn H26 on Koorarawalyee Rock and West of Cairn NB1 at Wangine Soak, and extending South along the West boundary of the Coolgardie and Dundas Goldfield, and passing through Cairn H26 at Koorarawalyee Rock to a point East of the summit of Mount South Ironcap; thence West, passing through the summit of Mount South Ironcap to a point on the Southern section of the No. 1 Rabbit-proof Fence, near the 113-Mile Post; thence North-Westerly and Northerly along the fence to the 14-Mile Post on the Northern section of the fence; thence East 20,833 links, North 24,000 links, and West 20,833 links to the 17-Mile Post on the fence; thence Northerly along the fence to the 158-Mile Post; thence Easterly about 75 miles to a cairn marked AN11 on an island at the Eastern end of Lake Barlee; thence Southerly about 11 miles to a cairn marked GDR40 on Mount Elvire; thence South-South-Easterly about 41 miles to Johnson's Rocks; thence South-Easterly about 26 miles to starting point.

COOLGARDIE.

Bounded by lines starting from a point North of Cairn H26 on Koorarawalyee Rock and West of Cairn NB1 at Wangine Soak, and extending South through said H26 to a point West from the summit of the Granite Rock, near the 50-Mile Soak, on the Coolgardie-Norseman Road; thence East, passing through the said granite rock to a point South of Trig. Station M5; thence North to a point East of the South-East corner of Location 48; thence West to the South-East corner of Location 48; thence along the boundaries of Location 48; Westerly 443 chains 19 links, and Northerly 564 chains 87 links to the South-East corner of Location 51; thence along the boundaries of Location 51 Westerly 160 chains, Southerly 60 chains, and Westerly 119 chains 87 links to the South-West corner of Location 51; thence Northerly 400 chains along the West boundary of Location 51 and the Eastern boundary of Location 53 to the North-East corner of Location 53; thence North-Westerly, partly along the Western boundary of the East Coolgardie Goldfield 36 miles 14 chains 81 links, and again North-Westerly about $11\frac{3}{4}$ miles to the 2-Mile Post on the South boundary at the Cashman's State Forest Reserve; thence West about $13\frac{1}{2}$ miles; thence North about 20 miles to Cairn marked NB1 near Wangine Soak; thence West about 50 miles along part of the Southern boundary of the North Coolgardie Goldfield to the starting point.

DUNDAS.

Bounded by lines starting from the South-West corner of the Coolgardie Goldfield, being a point South of Cairn H26 on Koorarawalyee Rock, and West from the summit of the Granite Rock near the 50-Mile Soak on the Coolgardie-Norseman Road; thence East along the South boundary of the Coolgardie Goldfield, passing through the said Granite Rock to a point South of Trig. Station on Simon Hill; thence South to a point East of the 75-Mile Post on the Esperance-Dundas Road; thence West, passing through the 75-Mile Post to a point South of the starting point; thence North to the starting point.

EAST COOLGARDIE.

Bounded by lines starting from the North-East corner of Location 53; thence along the surveyed Eastern boundary of the Coolgardie Goldfield, at a bearing of 324 degrees 46 minutes, for a distance of 26 miles 62 chains 37 links to the 40-Mile Post; thence along the South-Eastern boundary of the Broad Arrow Goldfield, at a bearing of 54 degrees 50 minutes, for about $14\frac{1}{2}$ miles to the South-Eastern corner of the Broad Arrow Goldfield; thence along a surveyed line at a bearing of 141 degrees 35 minutes, for about 12 miles 53 chains to the 18-Mile Post on the said surveyed line; thence, at a bearing of about 57 degrees, about 6 miles to Survey Mark B5; thence, at a bear-

ing of about 68 degrees 45 minutes, about 20 miles to Survey Mark B16, near the Kanowna-Kurnalpi Road; thence South-South-East about $15\frac{1}{2}$ miles to the North-West corner of Location 40; thence South to the South-West corner of Location 40; thence South-Easterly to Trig. Station M5; thence South to a point East of the South-East corner of Location 48; thence West to the South-East corner of Location 48; thence along the boundaries of Location 48 Westerly 443 chains 19 links and Northerly $56\frac{1}{4}$ chains 87 links to the South-East corner of Location 51; thence along the boundaries of Location 51 Westerly 160 chains, Southerly 69 chains, and Westerly 119 chains 87 links; thence North along the East boundary of Location 51, and the West boundary of Location 53 to the starting point.

NORTH-EAST COOLGARDIE.

Bounded by lines starting from a point on the South boundary of the North Coolgardie Goldfield, situated about 17 miles 30 chains East from Survey Mark R3; thence South along the East boundary of the Broad Arrow Goldfield about 29 miles 70 chains; thence along a surveyed line, at a bearing of 141 degrees 35 minutes, for about 12 miles 53 chains to the 18-Mile Post; thence, at a bearing of about 57 degrees, about 6 miles to Survey Mark B5; thence, at a bearing of about 68 degrees 45 minutes, about 20 miles to Survey Mark B16 near the Kanowna-Kurnalpi Road; thence South-South-East about $15\frac{1}{2}$ miles to the North-West corner of Location 40; thence South to the South-West corner of Location 40; thence South-Easterly to Trig. Station M5; thence South to a point East from the summit of the Granite Rock, near the 50-Mile Soak on the Coolgardie-Norseman Road; thence East to the 125th meridian of East longitude; thence North passing along that meridian to a point East of Survey Mark R3; thence West to the starting point.

BROAD ARROW.

Bounded by lines starting from a Cairn marked NB1 near Wangine Soak, and extending, about 87 degrees, 20 miles 22 chains to Survey Mark R3; thence East along the South boundary of the North Coolgardie Goldfield about 17 miles 30 chains to the North-West corner of the North-East Coolgardie Goldfield; thence South along part of the Western boundary of the North-East Coolgardie Goldfield, about 29 miles 70 chains to the most Northerly corner of the East Coolgardie Goldfield; thence along the North-West boundary of the East Coolgardie Goldfield, 234 degrees 50 minutes, about $14\frac{1}{2}$ miles to the North-Western corner of the East Coolgardie Goldfield; thence North-Westerly along a surveyed line, 324 degrees 46 minutes, 9 miles 3,244 links, and again North-Westerly about $11\frac{3}{4}$ miles to the 2-Mile Post on the South boundary of the Cashman's State Forest Reserve; thence West about $13\frac{1}{2}$ miles; thence North about 20 miles to the starting point. Containing 1,040 square miles.

NORTH COOLGARDIE.

Bounded by lines starting from the point North of Cairn H26 on Koora-ravalyee Rock, and West of Cairn NB1 at Wangine Soak, and extending North-West about 26 miles to Johnson's Rock; thence North-North-Westerly about 41 miles to a cairn marked GDR40 on Mount Elvire; thence Northerly about 11 miles to a cairn marked AN11 on an island on the eastern end of Lake Barlee; thence North-North-Westerly about 7 miles to a cairn marked NB33 on Yeedie Bulgar Hill; thence North-North-Easterly about 13 miles to a cairn marked NB31; thence North-North-Easterly about 24 miles to a point South of the 43-Mile Post on the Lawlers-Birrigrin Road, and West of Trig. Station E57 on Peperill Hill; thence East passing through Trig. Station E57 to a point South of the 24-Mile Post on the Lawlers to Leonora telegraph line; thence South about $32\frac{1}{2}$ miles to a point West of Survey Mark BS2 at Brickey's Soak; thence East about 51 miles to a point North of Survey Mark R43; thence South about three miles to the North-Eastern shore of Lake Raeside; thence South-Eastward along the North-Eastern shore of the lake about 80 miles to a point East of Survey Mark 35, at Edjudina Soak; thence East 15 miles and South about 25 miles to a point East of Survey Mark R3 near Cane Grass Swamp; thence West about 97 miles to Survey Mark R3; thence Westerly to Cairn NB1 at Wangine Soak, and West about 50 miles to the starting point.

EAST MURCHISON.

Bounded by lines starting from the 158-Mile Post on the No. 1 Rabbit-proof Fence; thence North-Easterly along the Rabbit-proof Fence to post marked D1 at about 281½ miles (one mile South of Barrambie); thence West 8¾ miles; thence North about 19½ miles, passing through a point about 2½ miles West of Erroll's Business Areas to a point West of the 302-Mile Post on the Rabbit-proof Fence; thence East about 13½ miles to the 302-Mile Post; thence along the fence North-North-Easterly to the 326-Mile Post; thence East 338½ chains and North 441 chains to the 333-Mile Post; thence North-Easterly along the fence to the 26 degree of South latitude near the 403-Mile Post on the fence; thence East about 111 miles; thence South along part of the West boundary of the Mount Margaret Goldfield about 90 miles to the South-East corner of the Wiluna Mining District; thence West about 42 miles along the Southern boundary of said district to a point due North of Survey Mark AN78; thence South about 64 miles passing through Survey Mark AN78 to a point due West about 7 miles from Survey Mark AN62; thence West about 20 miles; thence South through the 24-Mile Post on the Lawlers-Leonora telegraph line about 23 miles to a point about 6 miles East of Trig. Station E57, Peperill Hill; thence West, passing through Trig. Station E57 about 50 miles to a point due South of the 43-Mile Post on the Lawlers-Birrigrin Road; thence South-South-Westerly about 24 miles to Cairn marked NB31; thence South-Westerly about 13 miles to Cairn marked NB33 on Yeedie Bulgar Hill; thence South-South-Easterly about 7 miles to Cairn marked AN11 on an island on the Eastern end of Lake Barlee; thence Westerly about 75 miles to the starting point.

MOUNT MARGARET.

Bounded by lines starting from the point on the 26th parallel of South latitude, North of a point nine miles West of Trig. Station JHR 58 on the summit of Mt. Waite; thence East about 200 miles to the 125th meridian of East longitude; thence South about 286½ miles to a point East of Survey Mark R3, near Cane Grass Swamp; thence West along the North boundary of the North-East Coolgardie Goldfield, about 131½ miles; thence North about 25 miles, and West 15 miles to a point on the North-Eastern shore of Lake Raeside, situate East from Survey Mark E35 at Edjudina Soak; thence North-Westerly along the North-Eastern shore of the lake to a point North of Survey Mark R43; thence North about 3 miles to a point West from Survey Mark B82, at Brickey's Soak; thence West about 51 miles; thence North about 55½ miles, passing through a point about 6 miles East of Trig. Station E57 on Peperill Hill and through the 24-Mile Post on the Lawlers-Leonora telegraph line; thence East about 20 miles; thence North about 64 miles passing through Survey Mark AN78 to the Southern boundary of the Wiluna Mining District; thence East about 42 miles to the South-East corner of said District; thence North along the East boundary of the East Murchison Goldfield about 90 miles to the starting point.

MURCHISON.

Bounded by lines starting from the 199-Mile Post on the No. 1 Rabbit-proof Fence near Wyemandoo Hill, and extending in a general North-Westerly direction along the North-Eastern boundary of the Yalgoo Goldfield, and passing through the summit of Wyemandoo Hill, through a Trig. Station K40, through a Trig. Station K6 on the summit of Coonahmoudey Range, through a Trig. Station on the summit of Mount Charles, passing near the 137-Mile Post on the Mullewa-Cue telegraph line to a trig. station on the summit of Mount Luke, to a trig. station on the summit of Mount Murchison; thence, at a bearing of 315 degrees, to the Murchison River; thence North-Easterly and Easterly along the river to Survey Mark V39 situate about 12 miles Easterly from the crossing of the Nannine-Peak Hill telegraph line; thence East-North-Easterly about 25 miles to Survey Mark R24 near the source of the South branch of the Gascoyne River; thence East about 55½ miles to about the 421-Mile Post on the No. 1 Rabbit-proof Fence; thence Southerly along the fence to the 333-Mile Post; thence South 441 chains and West about 338½ miles to the 326-Mile Post on the fence; thence South-South-Westerly along the fence to the 302-Mile Post; thence West about 13½ miles; thence South about 19½ miles, passing through a point about 2½ miles West of Erroll's Business Areas; thence East 8¾ miles to Post D1 on the Rabbit-proof Fence at about 281½ miles (one mile South of Barrambie); thence South-South-Westerly along the fence to the starting point.

YALGOO.

Bounded by lines starting from the 199-Mile Post on the No. 1 Rabbit-proof Fence, and extending Southerly along the said fence to the 100-Mile Post; thence Westerly passing through Trig. Station K88 on Mount Churchman, and continuing through Survey Mark D76 and along the Northern boundaries of Victoria Locations 533, 407, and 406 to Survey Mark D68 on the Eastern shore of Lake Monger; thence along the Eastern shore of Lake Monger for about 30 miles to Survey Mark D60; thence North-Westerly to the North-East corner of Water Reserve 10264; thence West to its North-West corner, near the 159-Mile Post on the Western Rabbit-proof Fence; thence in a North-Westerly direction passing through Trig. Station BA5 on Ninghanboun Hill, and points situate about $11\frac{1}{4}$ miles West of Berbo Hill, $12\frac{1}{2}$ miles West of Mugga Mugga Hill, and about $5\frac{1}{2}$ miles East of Pindar Siding, on the Geraldton-Yalgoo Railway; a distance of about 112 miles to a Trig. Station on Tallering Peak; thence due North to the left bank of the Murchison River; thence North-Easterly along the said bank of the Murchison River to a point bearing 315 degrees from a Trig. Station on the summit of Mount Murchison; thence, at a bearing of 135 degrees, to the said Trig. Station on Mount Murchison; thence in a general South-Easterly direction along the South-Western boundary of the Murchison Goldfield about 39 miles to a Trig. Station on the summit of Mount Lake; thence about 51 miles to a Trig. Station on the summit of Mount Charles; thence about 43 miles to the summit of Coonahmoudey Range; thence about 54 miles passing through Trig. Station K40, and the summit of Wyemandoo Hill, to the starting point.

PEAK HILL.

Bounded by lines starting from a point near the 421-Mile Post on the No. 1 Rabbit-proof Fence situate East from Survey Mark R24, near the source of the South branch of the Gascoyne River; thence West about $55\frac{1}{2}$ miles to Survey Mark R24; thence West-South-West about 25 miles to Survey Mark V39, on the Murchison River, about 12 miles East from Peak Hill-Nannine telegraph line; thence along the Murchison River Westerly to a point at its junction with a line between the Trig. Stations on Mounts Hale and Gascoyne; thence North-North-Westerly about 79 miles to Trig. Station on Mount Gascoyne; thence in a general North-Easterly direction along the South-Eastern boundaries of the Ashburton and Gascoyne Goldfields, about 48 miles to Trig. Station K20, on a prominent peak near the source of the Lyons River; thence North-Easterly to a point on the Ashburton River, in a direct line to Mount Bresnahan Trig. Station; thence South-Easterly and Easterly along the said Ashburton River to Survey Mark AN135, situated near the head of the said Ashburton River; thence Easterly to the 150-Mile Post on the Peak Hill-Nullagine telegraph line; thence Easterly to the 560-Mile Post on the Rabbit-proof Fence; thence South-Westerly along the said fence to the starting point.

At a meeting of the Executive Council, held in the Executive Council Chamber, at Perth, this 21st day of June, 1922, the following Order in Council was authorised to be issued:—

Inspection of Machinery Act, 1921.

ORDER IN COUNCIL.

Corres. No. 1151/22.

WHEREAS by Section 14 of the "Inspection of Machinery Act, 1921," the Governor may, by Order in Council published in the *Government Gazette*, from time to time declare that any kinds of machinery shall cease to be machinery subject to the said Act: Now, therefore, His Excellency the Administrator, by and with the advice and consent of the Executive

Council, hereby declares that from and after the date hereunder mentioned, the following machinery shall cease to be machinery subject to the said Act:—

- (a) All machinery used for domestic purposes only, which is not used in the production, preparation, or manufacture of any article or product for pecuniary profit or in any way connected with any business carried on by the owner thereof;
- (b) Direct acting pumps worked by compressed air and used on mines for sinking or other purposes;
- (c) Electric tram cars, railway carriages, and wagon rolling stock used on privately-owned railways and tramway systems;
- (d) Ropes and cages used in mining.

It is further declared that from and after the date hereunder mentioned the following Orders in Council made under the "Inspection of Machinery Act, 1904," are hereby cancelled and revoked:—

Order in Council dated 9th May, 1917, published in *Government Gazette* dated 11th May, 1917, at page 754;

Order in Council dated 28th July, 1909, published in *Government Gazette* dated 30th July, 1909, at page 2316.

This Order shall come into operation and take effect from 3rd day of July, 1922.

BERNARD PARKER,
Clerk of Executive Council.

INSPECTION OF MACHINERY ACT, 1921.

Department of Mines,

Corres. No. 1028/1922. Perth, 21st day of June, 1922.

HIS Excellency the Governor, with the advice and consent of the Executive Council, in pursuance of powers conferred upon him by Section 82 of the "Inspection of Machinery Act, 1921," has been pleased to make the following Regulations under the said Act, to come into force at the date fixed by Proclamation for the commencement of the said Act, namely the 3rd day of July, 1922.

J. SCADDAN,

Minister for Mines.

**REGULATIONS RELATING TO THE EXAMINATION
AND QUALIFICATIONS OF APPLICANTS FOR
THE POSITION OF INSPECTOR OF MACHINERY.**

1. The Official Application Forms, as prescribed herein, can be procured from the Public Service Commissioner, Perth, from whom any further reasonable particulars can be obtained. No application will be entertained unless sent in on official form, accompanied by a fee of 10s. Application must be accompanied by copies of all original references relating to practical engineering experience, dealing with the construction, design, and maintenance of engines and boilers; also as to character and educational attainments. These will be retained for record purposes. Original testimonials must be produced if required.

2. Each candidate, before he can be considered eligible for examination, must furnish satisfactory evidence—

- (a) that neither his hearing nor his eyesight is defective;
- (b) that his health is good; affections of the heart or chest will disqualify;
- (c) that he is not under the age of 28 years, or over the age of 45;
- (d) that he has served an Engineering Apprenticeship of at least five years, during which time he has been engaged in the actual manufacture and repair of engines, boilers, and machinery, and that he has had engineering experience, of a satisfactory character, subsequent to apprenticeship.

3. The examination will be held in Perth on a date which the Minister shall from time to time determine, and such examination shall be conducted by a Board of Examiners consisting of the Chief Inspector of Machinery, who shall be Chairman, and two qualified persons appointed by the Minister. Any two members of the Board shall be a quorum.

4. The Board may, at its discretion, reject any candidate prior to examination who, in its opinion, is not in possession of the necessary qualifications.

5. Each candidate shall receive at least seven days' notice of the date and place appointed for the examination; such date shall also be duly advertised in the *Government Gazette*.

6. The examination will commence at 10 a.m. on the date appointed, and all candidates are required to appear at the examination room punctually five minutes before the appointed time. Each candidate is requested to have with him his original references for the Board's perusal.

7. Each candidate will be supplied with the stationery required for the examination, but shall provide himself with drawing instruments.

8. Candidate's attention is particularly drawn to the following:—

- (a) Each answer must be numbered in the margin to correspond with that given on the question paper.
- (b) All answers must be legibly written in ink and workings must be shown, otherwise no marks will be allowed.
- (c) One side of the paper only to be written on.
- (d) The candidate must affix his signature to the top of each sheet of paper containing his answers, and sheets must be consecutively numbered.

9. No candidate will be allowed to bring into the examination room any book or paper.

10. No person will be allowed into the room during the examination other than those whose duties require them to be present.

11. Silence is to be observed during the examination, and any candidate found copying or communicating in any way with another, or who behaves in a disorderly or improper manner in or about the room, will be requested to leave the building and will be debarred from appearing at the same examination.

12. Opposite each question appearing on the set paper the full number of marks allowed will appear.

13. No candidate shall, during the examination, leave the room without permission.

14. The syllabus of examination shall be as follows:—
- (a) Arithmetic, including vulgar and decimal fractions, extraction of square and cube roots, calculations of areas, volumes, etc., elementary algebra includ-

- ing simple and quadratic equations, and the application of formulæ relating to power, efficiency and economy of engines, boilers, pumps, and such other mechanical structures as this Act may apply to.
- (b) Mechanical drawing to scale, also freehand working sketches of one or more of the principal parts of any piece of machinery or boiler with the necessary dimensions.
 - (c) Construction and working of different kinds of steam engines, including steam turbines, and internal combustion engines used for railway, marine, mining, or factory purposes, including different fittings and valve gears, and the relative merits of each.
 - (d) Surface condensation, superheating, and working of steam expansively.
 - (e) The indicator, its purposes and parts, and how to arrive at the deductions to be drawn from Indicator Diagrams. The setting and adjustment of admission and exhaust valves.
 - (f) The various standard designs of boilers now in general use. Methods of modern setting, and the disadvantages of inferior setting.
 - (g) The formulæ relating to the design of boilers for giving maximum working pressures, the construction of riveted seams, the stresses on stays, the resistance to pressure of flat and curved surfaces. The construction and object of the various fittings, valves, etc., used in connection with steam boilers.
 - (h) Description and causes of corrosion, pitting and grooving as found in various types of boilers, and the methods generally in use for the prevention of such defects.
 - (i) The causes leading to formation of scale, the precipitation of salts and other foreign matter; the effect of scale, oil or other fatty substances on heating surfaces and the precautionary measures usually adopted in respect thereto.
 - (j) A general knowledge of the construction and management of electric motors, dynamos, internal combustion engines, suction gas producers, and steam turbines.
 - (k) The direct, torsional, and bending stresses of round and rectangular sections. The breaking or working loads of chains and ropes, and the application of the necessary formulæ.

15. The Board may, in addition to the foregoing syllabus, require any candidate to submit to a *viva voce* examination, and to write a complete report on the condition, repairs and alterations necessary to any machinery or boiler erected, to which the provisions of the "Inspection of Machinery Act, 1921," apply.

16. The Minister, on the recommendation of the Board, may reject any candidate upon any grounds he deems advisable.

Western Australia.

Inspection of Machinery Act, 1921.

APPLICATION FORM FOR POSITION OF INSPECTOR OF
MACHINERY.

Place.....

Date.....

The Public Service Commissioner,
Perth.

Sir,

I beg to apply for a position as an Inspector of Machinery under the above Act, and I append hereto the undermentioned particulars for the information of the Board of Examiners.

I enclose herewith† for 10s. the amount of application fee.

† Insert "Cash," "Money Order," "Cheque," or "Postal Note."

	(These particulars are to be filled in by applicant.)
1. Name in full.	
2. Date and place of birth.	
3. Where educated.	
4. State for what subjects school certificates or diplomas held.	
5. To what particular branch or branches of Mechanical Engineering were you trained ?	
6. State if you were indentured. Where and by whom were you trained ? For what period ? Give dates.	
7. Present occupation and in what capacity. Give name of employer.	
8. Give precisely to date your experience, and in what capacities employed from expiration of apprenticeship, also state responsible positions you have held. This information to be supported by documentary evidence if possible.	
9. State if ever employed in a Drawing Office, and if so, where, and for what period.	
10. Submit samples of your drawings and sketches, if available, giving number and list.	
11. State if ever employed as an Inspector of Machinery and Boilers, if so, by whom, and for what period.	

	(These particulars are to be filled in by applicant.)
12. Quote and submit copies of any certificates held, either for Mechanics, Mathematics, Free-hand, Mechanical Drawing, etc. Give list of testimonials as to character, etc., in space provided below.	
13. State if ever directly in charge of Machinery, including management of steam engines, boilers, electric generators, and motors, and internal combustion engines, either on land or sea. Full particulars to be given.	

I declare the above particulars to be substantially true and correct in every respect.

I have the honour to be,

Sir,

Yours obediently,

(Signature of applicant).....

(Address).....

LIST OF TESTIMONIALS, ETC., ENCLOSED.

No.	Description.	No.	Description.

N.B.—All copies of testimonials and certificates will be retained for record purposes.

WINDING ENGINE SAFETY APPLIANCES.

(Section 17, Subsection 5.)

Every winding engine erected after the passing of the "Inspection of Machinery Act, 1921," shall be fitted with the following:—

1. *Depth Indicators*:—(a) An efficient depth indicator on each drum.

(b) For depths down to 500 feet the vertical screw type is permissible, and for depths down to 1,000 feet dial indicators may be used. For greater depths barrel indicators shall be used, provided always that in every case the spaces between marks shall be such that the driver shall have no doubt when the cage is within one revolution of the drum of the desired stopping place.

Provided that any winding engine or winch operating from one level only may be exempted from being fitted with an indicator at the discretion of the Inspector.

Note.—Horizontal Indicators and Single Dial Indicators with one fixed pointer and one adjustable are *not* admissible.

2. *Brakes*:—(a) Every winding engine shall be capable of easily raising the maximum load from the greatest depth required at any position of the cranks, and shall be fitted with a brake on each drum, each brake being capable of holding the engine against the full power of steam without any slipping.

(b) Post brakes to be fitted to all winding engines the cylinders of which exceed 8in. in diameter.

(c) Steam release gravity brakes to be fitted to all engines operating to a depth greater than 1,000 feet.

(d) In the case of foot brakes the certificated driver shall see that there is ample clearance at all times between the end of foot lever or step and the platform or floor, so as to allow the brake to have maximum application before coming into contact with platform or floor. Such lever must be provided with a self-acting catch or pawl to ensure the brake being retained in applied position, if required.

(e) In the case of brakes applied by steam the brakes must be so adjusted as to prevent contact between piston and cylinder end, and sufficient clearance must be provided in the cylinder to allow for normal wear of the brake.

(f) It shall be the duty of the certificated driver on each shift to see that the brakes on his engine are in proper working adjustment before handing over to his successor on the next shift. It shall be the duty of the driver taking over to thoroughly satisfy himself that the brakes are in such proper adjustment.

3. *Starting Valves*.—Every winding engine used for raising or lowering men shall be provided within six months of the passing of this Act with a lever-controlled starting valve so arranged that on releasing the lever the valve is self-closing.

Testing Winding Engine after repairs.—After any stoppage for repairs which might by any possibility affect the safe running of a winding engine the engine shall not be used for raising or lowering persons until a satisfactory trial has been made.

ENGINE ROOM RECORD BOOK.

1. In every Engine-room where steam or internal combustion engines are used, the owner shall supply a Record Book, in the form prescribed, in which the certificated Engine-driver in charge on each shift shall record any peculiarities in the running of the engine, or defects in either engines, boilers or their accessories under his charge which he considers warrant repairs or alterations. Each and every entry shall be properly signed and dated by the certificated Engine-driver in charge of each shift. The Manager, Engineer, or other responsible person shall examine any entry that may be made daily, and record in a suitable manner any repairs or alterations that have been effected.

2. Such entry shall be signed and dated by the Manager, Engineer or other responsible person.

3. In the case of winding engines the driver on each shift shall make any entry that he thinks desirable for the information of the succeeding driver as to the general running of the engine, condition of the brakes, depth indicators, clutches, etc.

4. This Regulation shall also apply to Locomotives, and the Record Book shall be kept in the running shed, and such entries as above indicated made by the responsible persons aforesaid.

5. The Engine-room Record Book shall, at all times, be available for perusal by the Inspector of the District.

6. The Engine-room Record Book shall be kept in the following form:—

Owner's Name.....
 Name of Factory, Mine, etc.....Locality.....
 Name of Engine Room.....
 Main Particulars of Engines, Condensers, Pumps, etc., therein....

 (e.g., Battery Eng. Compd. 10" and 18" x 36" Makers.....
 Electric Lighting Trip. Expn. Eng. Allen & Co.....
 Condensers, Pumps, etc.).....

Date.	Renewals or repairs required and general remarks.	Certificated Engine-driver's signature.	Remarks, <i>re</i> repairs etc., by Manager or Engineer and date when repairs completed.	Signature of Manager or Engineer.

EXTENSION OF MACHINERY CERTIFICATES.

(Section 42.)

Applicants for extension of duration of any certificate issued for machinery shall make their application and declaration on the form prescribed hereunder. (Such forms can be obtained from the office of the Chief Inspector of Machinery, Perth.)

Inspection of Machinery Act, 1921.

APPLICATION FOR EXTENSION OF MACHINERY CERTIFICATE,

(Section 42.)

Place.....

Date.....

To the Chief Inspector of Machinery,
Box 158, G.P.O., Perth.

Sir,

I hereby declare that the machinery registered under No.....and for which a certificate, No....., was last issued on.....has not been materially altered or added to, and that it has been at all times kept in good repair, efficiently guarded, and fit to be safely used for the purpose for which it was intended.

I therefore request that the duration of the certificate be extended as provided in Section 42 of the "Inspection of Machinery Act, 1921."

I enclose*.....for the amount of the prescribed fee of.....

Yours faithfully,

(Signature).....

(Address).....

* Insert Cash, Money Order, Cheque, or Postal Note.

Note.—If payment is made by cheque please add necessary *bank exchange*. All cheques, money orders, and postal notes to be crossed and made payable to the "Chief Inspector of Machinery," *not* to any individual.

BOILERS.

(Section 24.)

1. Every boiler having external flues shall have suitable doors fitted to such flues to facilitate cleaning and inspection. The doors must be fitted to metal frames built in the encasing material, and must be of such a size that a man of average build can pass through them easily.

Boiler setting, flue doors, etc.

2. All external flues must be built in such a manner as to permit an average sized man passing through them for cleaning or inspection purposes.

Note.—For plans for the setting of Cornish and Lancashire boilers *see* prescribed fees.

STEAM JACKETED VESSELS.

All steam jacketed vessels used under steam pressure for boiling, heating or disinfection purposes, the owner shall cause to have a metal plate affixed thereto with the official registered number legibly stamped thereon, to the approval of the Inspector, providing that it is impracticable to stamp the vessel itself without damaging its structure.

REGULATION CHARGES.

(Section 36.)

Boilers.

For every inspection of a "Boiler," and before the granting of any certificate or report, the following fees shall be paid:—

	£	s.	d.
For every Boiler, not otherwise defined, and not exceeding 4 H.P.	1	0	0
" " " " over 4 H.P. and not exceeding 10 H.P. ..	2	0	0
" " " " over 10 H.P. and not exceeding 20 H.P. ..	3	0	0
" " " " over 20 H.P. and not exceeding 40 H.P. ..	4	0	0
" " " " over 40 H.P.	4	10	0
For every Locomotive, Traction Engine or Road Roller Boiler—			
Not exceeding 8 H.P.	2	0	0
Over 8 H.P. and not exceeding 15 H.P.	3	0	0
Over 15 H.P.	4	0	0

Digesters.

	£	s.	d.
For every "Digester" not exceeding 50 cub. feet capacity ..	1	0	0
" " over 50 cub. feet capacity	2	0	0

Vulcanizers.

	£	s.	d.
For every vulcanizer	1	0	0

Steam Jacketed Vessels.

	£	s.	d.
For every "Steam Jacketed Vessel" not exceeding 18in. diameter	0	10	0
" " " " over 18in. diam. and not exceeding 36in. diameter ..	0	15	0
" " " " over 36in. diameter	1	0	0

Receivers for Compressed Air or Gas.

	£	s.	d.
For every "Receiver" over 5 cub. feet capacity and not exceeding 20 cubic feet	0	10	0
" " over 20 cub. feet capacity and not exceeding 40 cub. feet	1	0	0
" " over 40 cub. feet capacity	2	0	0

Machinery (not worked by Steam).

For every inspection and before the granting of any certificate for any group of machinery to which the Act applies, worked other than by steam power, with the exception of winding engines and lifts hereinafter provided, the following fees shall be paid:—

	£	s.	d.
For every group of machinery the motive power of which—			
does not exceed 5 H.P.	0	5	0
is over 5 H.P. and not exceeding 10 H.P.	0	10	0
is over 10 H.P. and not exceeding 20 H.P.	0	15	0
is over 20 H.P. and not exceeding 40 H.P.	1	0	0
is over 40 H.P. and not exceeding 60 H.P.	1	10	0
is over 60 H.P. and not exceeding 100 H.P.	2	0	0
is over 100 H.P. and not exceeding 200 H.P.	2	10	0
is over 200 H.P. and not exceeding 300 H.P.	3	0	0
is over 300 H.P.	4	0	0

For winding engines as defined worked other than by steam, the fees shall be decided by the H.P. of the motors as defined, but shall be double the fee shown in the above Schedule for any particular H.P. except in the case of Holman hoists and similar air-driven winches used for raising and lowering men or material, the fees for which shall be as follows:—

	£	s.	d.
For every Holman hoist or similar air-driven winch the cylinders of which do not exceed 6in. in diameter	0	10	0
For every such hoist the cylinders of which are more than 6in. in diameter	1	0	0

Extension Certificates.

Extension Certificate. Section 42.

For every extension certificate approved by the Chief Inspector for any machinery used for agricultural purposes as provided by Section 42, the fees payable for any particular horsepower shall be as follows:—

- (a) First extension certificate, quarter of the prescribed fee.
- (b) Any subsequent extension if immediately following the expiration of the first extension, half the prescribed fee.

Provided that in no case the fee be less than 2s. 6d.

Machinery driven by Steam.

There shall be no charge for the inspection and granting of any certificate for machinery driven directly by steam, with the exception of winding engines.

For the inspection and before granting of any certificate for any winding engine, as defined, and driven by steam, the following fees shall be paid:—

	£	s.	d.
For every winding engine with cylinders not exceeding 8in. diameter	1	0	0
For every winding engine with cylinders over 8in. diameter and not exceeding 12in. diameter	2	0	0
For every winding engine with cylinders over 12in. diameter and not exceeding 18in. diameter	3	0	0
For every winding engine with cylinders over 18in.	4	0	0

Note.—No certificate shall be deemed to be granted until full payment has been made. When payment is made by cheque, the necessary exchange must be added. If this is not done the certificate will be held until the amount of exchange is paid, and the boiler or machinery affected will meanwhile be deemed to be uncertificated.

SPECIAL WORK.

(Section 82.)

Boilers and Machinery.

When any owner desires a special inspection of any boiler or machinery at a time not synchronising with the Inspector's regular visit, and which therefore necessitates a special trip, the owner shall make his request for such inspec-

tion in writing, and shall pay in advance, if demanded, in addition to the fees prescribed, all expenses, including the Inspector's salary for the time he is engaged on such special trip.

When any trading firm, manufacturer, owner or other person requires a special inspection and report on any new or second-hand boiler or machinery for sale or other purposes, he shall make his request in writing, and shall pay in advance, if demanded, in addition to the prescribed fees, all expenses including the Inspector's salary for the time he is engaged on such special inspection and report.

Note.—No certificate or report shall be deemed to be granted until full payment has been made. When payment is made by cheque, the necessary exchange must be added. If this is not done the certificate will be held until the amount of exchange is paid, and the boiler or machinery affected will meanwhile be deemed to be uncertificated.

Testing Pressure Gauges.

	s.	d.
For the special testing of any pressure gauge at any time other than the usual time of inspection of a boiler	2	6
For the same service when adjustments are found to be necessary	5	0

Note.—All testing and adjusting will be done at the owner's risk.

Lost Certificates for Boilers or Machinery.

	s.	d.
For supplying a copy of the certificate for any boiler or machinery, the original of which has been lost or destroyed	2	6

SEARCH FEES.

(Section 28.)

	s.	d.
For the perusal of inspection records of any one boiler by any person, other than the owner or his direct representative, authorised in writing by the owner	5	0
For the supply of a précis of any such records ..	5	0

Note.—Such inspection records shall mean and include the last notice of ownership and the last Inspector's report with any instructions as to alterations or repairs issued in connection therewith.

SPECIAL REPORTS, VALUATIONS, ETC.

Fees for special reports, valuations, engine indicating or other special inspection work not defined in these Regulations shall be assessed by the Chief Inspector, subject to the approval of the Minister.

PLANS OF SETTING CORNISH OR LANCASHIRE BOILERS.

For supplying blue print showing plan of setting, size of flues, etc., for either of above types of boilers s. d. 5 0

Note.—For all fees remitted by owners or other persons a receipt on the official machine numbered form should be obtained in every instance, and no other will be recognised.

REGULATIONS RELATING TO PASSENGER AND GOODS LIFTS.

REGULATIONS RELATING TO LIFTS.

General.

1. Where it is intended to erect or re-erect any lift after the proclamation of the "Inspection of Machinery Act, 1921," notice to that effect must be given to the Chief Inspector of Machinery, accompanied by plans and specifications showing correct measurements, and fully describing the whole lift, its enclosures, and its position in the building in which it is to be placed. Notice re Erection.

2. These plans and specifications will be filed in the office of the Chief Inspector for record purposes. Plans.

3. In the case of any material alteration or repairs being contemplated it will be sufficient if the intention is notified and the alterations fully described. Alterations.

When the plans have to be submitted they must be accompanied by a fee of £1 1s. for inspecting them, and granting a permit to proceed with erection.

4. Before granting a permit to erect, the Chief Inspector may require any alterations in design to be made which appear to him to be necessary for the safe working of the lift, and on being satisfied that all necessary provisions for safety have been provided, he shall grant a permit to erect, in the following form:— Permit.

The Office of the Chief Inspector of Machinery, Perth.

PERMIT FOR ERECTION OF A LIFT.

I hereby authorise the (erection) of a lift at.....in (re-erection) accordance with plans and specifications lodged at this office on.....

Date..... Chief Inspector of Machinery.

5. No lift which comprises a platform or cage shall be erected in such a position as will leave a road or passage for persons to pass under the cage, platform, or balance weights. No road under cage or platform.

6. The winding gear and all other mechanism of all lifts shall be made easily accessible for inspection, oiling, and repairing. Wherever considered necessary by the Inspector efficient lighting facilities shall be installed and adequate fixed ladders, gangways, and hand-rails shall be provided in order to insure safe access to all working parts.
7. All overhead construction shall be of sufficient strength to bear at least four times the maximum load it will have to carry.
8. In order to provide for over-running, every lift shaft shall have at least three feet clearance between the top of cage yoke or bow, or any equalising bar or other structure which projects above the yoke or bow, and the underside of the ceiling or overhead joists, when the cage is at the top floor, and the same distance between the lowest part of the cage bottom and any projecting gear thereon, and the bottom of the shaft when the cage is at the lowest floor.
- Provided that this regulation shall not be enforced in the case of lifts already installed before the proclamation of this Act, if the Inspector considers that sufficient space for ordinary safety requirements is provided.
9. Safety grip gear is to be provided in the case of all lifts except direct acting lifts and service lifts upon which no person travels. This gear must be automatic and positive in its actions, and must be able to safely hold the cage or platform in case the suspending ropes break or become detached, or in case of the winding gear becoming deranged or broken.
10. Such safety gear may be tested at any time and in such manner as the Inspector may direct, and the work in connection with the test shall be carried out at the expense of the owner or his contractors under the supervision of the Inspector.
11. All electric lifts except those in which no person travels shall be fitted with an automatic device which shall immediately cut off the current should the cage ropes become slack from any cause.
12. All lifts shall be provided with an efficient brake gear as approved by the Inspector.
13. In all electric lifts erected after the proclamation of the "Inspection of Machinery Act, 1921," the control gear must be of an efficient type and must automatically and gradually accelerate, cut off current, and apply brake at either limit.
- In the case of existing lifts erected before the proclamation of the said Act, the Inspector may exercise his discretion with regard to gradual acceleration.
- The starting lever in the case of lifts controlled by an attendant to be so arranged that it automatically flies back and cuts off current, if the attendant loses his grip of the lever.
14. Emergency automatic switches must be fitted to all electric lifts, which will instantly cut off the current and

Access to
mechanism, etc.

Lighting.

Overhead construc-
tions.

Over-run clearance.

Safety grips.

Testing safety gear.

Slack rope device.

Brakes.

Control gear.

Automatic limit
switches.

apply the brake should the cage over-run the floor level more than 12 inches at top or bottom. These switches must be fitted in the shaft and be operated by the car independently of the control gear, and must open the control circuit.

15. Lifts shall be so constructed that they are incapable of travelling at a greater speed than 300 feet per minute when controlled by an attendant, and 200 feet per minute in the case of automatic lifts. Speed.

16. Every suspended lift should be provided with not less than two metallic lifting ropes. Each rope when new shall have a breaking strain of not less than five times the maximum load to which it will be subjected. If more than two ropes be used their total factor of safety should not be less than ten. Ropes.

Where only one rope is provided, as in the case of certain goods lifts, installed before the proclamation of this Act, the factor of safety should not be less than ten. Balance weight ropes must be similarly proportioned to their load.

17. No cage or balance weight rope shall be installed until a certificate from the maker, or a copy thereof certified to by the user or his contractor, has been lodged at the office of the Chief Inspector. Such certificates should give the following information:— Wire rope certificates.

Name and address of manufacturer.

Length of each rope in feet.

Diameter or circumference of rope in inches.

Weight per foot in lbs.

Construction of rope—

Number of strands.

Style of lay.

Class of core.

Construction of strands—

Number of wires.

Diameter of wires (decimals of an inch).

Class of core.

Material of which wire is made.

Breaking stress of material in tons per square inch (tons of 2,240lbs.).

Breaking load of rope in tons per square inch (tons of 2,240lbs.).

18. If the Inspector has any reasonable doubts at any time as to the quality or strength of any lift rope, he may demand that a sample of the rope shall be tested at the Engineering Laboratory of the University of Western Australia, and that such test piece be cut off in his presence, and any expense incurred in connection with such test shall be borne by the owner of the lift. Wire rope tests.

19. The minimum diameter of any drum sheave or pulley shall not be less than 45 times the diameter of the rope for which it is used, *wherever possible*. Diameter of drums and pulleys.

Anchoring of ropes. 20. All ropes must be securely anchored to the drum, cage, and balance weights to the satisfaction of the Inspector, and there shall not be less than one and a half turns of rope on the drum when cage or balance weight has reached its limit of travel.

Strength of structure. 21. Every part (other than a lifting or balance weight rope) of a suspended lift shall, when new, have sufficient strength to carry a load of at least—

- (a) ten times the maximum load where cast iron is used;
- (b) eight times the maximum load where wood is used;
- (c) five times the maximum load where wrought iron, steel, or brass is used.

Enclosures. 22. The Inspector may, when considered necessary, cause the whole or any part of the machinery and lift shaft of any lift to be enclosed in such manner as hereinafter provided.

Reporting accidents. 23. Whether personal injury is incurred or not, particulars of the following accidents shall be reported to the Chief Inspector of Machinery without delay by the person at the time in charge of the building where the lift is situated:—

- (a) Fracture or failure of any essential part of the winding gear.
- (b) Fracture of any rope or its attachment.
- (c) Fracture of any sheave, or shaft, spindle, or bearings of same.
- (d) Jaming of the cage in lift shaft.
- (e) Failure of brake efficiency.
- (f) Failure of safety grippers to act when required, or their accidental action when not required.
- (g) Failure of overwinding limit switches to act when required.

Every lift shall be inspected twice yearly in accordance with Section 16 (3) of the Act, and the owner shall provide any labour or material necessary to facilitate inspection.

Earthing. 24. All metal work in connection with cages or metal work enclosures shall be efficiently earthed.

PASSENGER LIFTS.

No projection in shafts on entrance side. 25. The lift shaft of every passenger lift shall be without projection on any side on which there is a cage entrance, and the enclosure shall on these sides be as close to the cage as possible consistent with clearance.

Cage entrance side to be completely enclosed unless cage door provided. 26. On the cage entrance side the shaft shall be completely enclosed, to the satisfaction of the Inspector, throughout the travel of the cage, or so much thereof as the Inspector may direct, unless there is a door to the cage and this door is provided with electric contacts so arranged as to break circuit should the door be left open or improperly closed.

27. The enclosures and doors on cage entrance side shall be flush throughout the travel of the cage and have no permanent openings greater than $1\frac{1}{4}$ in. diameter or width.

Enclosures to be flush on entrance side.

28. The enclosures and cage panels on that side on which the balance weights pass, if close enough to balance weights to be a danger to fingers, must be screened by fine wire work or solid panels.

Enclosures on balance weights side.

29. If there be more than one entrance to any cage, at least one entrance shall be supplied with a door fitted to the cage, and such door shall be equipped with electric contacts so arranged as to render control inoperative unless cage door is properly closed.

Cage doors if more than one entrance.

30. The shaft doors must be either sliding or hinged, and preferably self-closing. If sliding doors are used, guides or runners must be fixed both at top and bottom of the doors and so arranged that the doors cannot be lifted off the runners.

Shaft doors.

31. Collapsible gates will not be approved excepting as cage doors where it is not possible to fit sliding doors, owing to the large openings in them being a source of grave danger and owing to the difficulty of fitting efficient locking gear to them and keeping them in efficient order.

Collapsible gates.

32. Electro-mechanical locking gear shall be fitted to all shaft doors. The locking gear shall be so arranged that it will automatically lock the doors when the cage is not more than 12 inches away from any floor, and should be of such description that the making and breaking of electric contact is positive, and that the control is rendered inoperative if any door be left open or improperly fastened. All locking gear and electric contacts must be of substantial construction, and must be protected as far as possible from outside interference, to the satisfaction of the Inspector.

Electro-mechanical locks.

33. The width of the permanent opening of the cage should not exceed 30 inches, and the control switch or buttons should be placed in such a position that the lift attendant may conveniently stand near the entrance and be able to place his arm across the entrance when it is necessary.

Width of opening and position of controls.

34. Every passenger cage shall be adequately roofed to the satisfaction of the Inspector, and no part of the roof shall include glass.

Cage roofs.

35. Every passenger lift-cage shall be efficiently lighted, and (with the exception of full automatic lifts) fitted with signal bells worked from each floor and connected to an indicator in the cage.

Lighting and bells.

36. The Inspector shall fix on the maximum number of persons allowed to travel in the cage of any passenger lift; this number will be endorsed on the certificate, and must not be exceeded.

Maximum load.

AUTOMATIC PASSENGER LIFTS.

37. The push button control of all automatic lifts shall be so arranged that:—
- Push button control.
- Locks.
- (a) The lift cannot move until every shaft door is properly closed, and door locks shall be so designed that it is impossible to open them from the outside unless the cage is opposite.
- Non-interference switch.
- (b) As soon as any push button in the cage is operated the cage shall be beyond the control of any person not in the cage until it has completed its trip and the door at the floor at which it stops has been opened and closed again.
- Stop button.
- (c) A special "stop" button in the cage shall be provided to enable the lift to be stopped anywhere.
- Protecting locking gear.
- (d) The locking gear shall be protected as far as possible from outside interference.
- Dual control lifts.
- (e) Lifts not wholly automatic, *i.e.*, lifts which are sometimes worked by an attendant, shall have an efficient switch cutting out the automatic control while attendant is in charge, and such switch shall be under the charge of the attendant or caretaker, and shall be locked or placed in such a position as to be inaccessible to the public.

GOODS LIFTS.

38. All enclosures, doors or gates shall, where possible, be at least 5ft. 6in. in height and of such a design as to prevent damage to a person by accidental contact with the cage or balance weight. All vertically sliding gates should close to within 1 inch of the floor. Collapsible gates will not be approved if it is possible to adopt any other type.
- Enclosures and doors.
39. On cage entrance side the lift shaft shall have no projections, or if, as in the case of existing old buildings, the nature of the building is such that these cannot be avoided, the projections must be protected by bevelled screens or panels so as to minimise the risk of such projections catching persons or goods in the lift cage or on the platform.
- Projections in shafts.
40. Every automatic goods lift controlled by push buttons shall be so designed that it will not move unless all gates or doors are closed.
- Automatic goods lifts.
41. Any electric goods lift erected after the proclamation of the "Inspection of Machinery Act, 1921," shall have its shaft gates or doors fitted with electric contacts, and in the case of existing lifts such contacts may be ordered by the Inspector wherever he considers them necessary.
- Electric contacts.
42. Any lift used both as a passenger and goods lift shall be considered a passenger lift, as regards its equipment.
- Lifts used for goods and passengers.
43. All openings in floors for hoists or whips shall be provided with flap doors or rolling platform covers, and these openings must be kept closed except when the hoist or whip is actually in use.
- Whips or hoists.

44. Where a whip or hoist is suspended outside a building over any thoroughfare, no load shall be slung on it unless there is a lorry or other vehicle below and ready to receive the load, or failing this a person stationed in the thoroughfare to warn the public of the danger overhead.

Whips or hoists
over thoroughfares.

45. Where considered necessary by the Inspector the cages of goods lifts shall be efficiently lighted and shall be provided with signal bells operated from the various floors and communicating with the cage.

Lighting and bells.

46. The Inspector shall fix a maximum load for every goods lift, and such load will be endorsed on the certificate and must not be exceeded at any time.

Maximum load.

47. Where any of the above regulations affect any passenger or goods lift erected before the proclamation of this Act, six months shall be allowed to bring them into conformity with the regulations.

Six months to comply if erected before Act.

WORKING OF PASSENGER AND GOODS LIFTS.

48. No person other than those specifically empowered by the owner, as defined in the Act, shall operate any lift unless such lift is automatically controlled.

Persons authorised to work lifts.

The name or names of such persons authorised to operate the lift shall be posted in a prominent place beside the control gear.

49. No person other than an Inspector, or a workman engaged in erecting or repairing a lift, shall operate any lift from the control board, or in any manner other than by the proper means provided for the purpose, nor shall any person (except as above provided) at any time improperly interfere with any part of the lift mechanism or any enclosure, door, gate, or fastening, or attempt to work a lift in any manner other than the manner in which it was designed to work, except in case of an accident or extreme emergency.

Interference with lift mechanism.

50. In the case of automatic lifts the owner shall cause the following notice to be exhibited at the lift shaft doors on each floor:—“Persons using this lift are cautioned to see that the cage is at this floor, and *stationary*, before attempting to open this door.”

Notice to be posted on automatic lifts.

MAINTENANCE OF LIFTS AND HOISTS.

51. The whole operating mechanism of any lift or hoist must be kept in a state of efficiency.

Any damaged doors, fastenings, or enclosures must be at once repaired.

All parts of the lift gear requiring lubrication must be properly oiled.

Lift shafts and all other parts in connection with any lift must be kept clean and free from accumulations of rubbish, dust, and dirt.

Alterations to be notified.

52. If any part of any lift or any rope, whether lifting, balance, or controlling, should show signs of excessive wear or distortion, it must at once be renewed and the Chief Inspector notified accordingly.

Any person or firm who is responsible for the carrying out of lift repairs and who makes any material alteration to mechanism or appliances used in connection with any lift shall immediately notify the Chief Inspector in writing of any such alteration.

Penalty.

53. Except and unless where otherwise provided by the "Inspection of Machinery Act, 1921," any person who—

(a) contravenes any of the provisions of the preceding regulations; or

(b) obstructs any Inspector in carrying out the provisions of the above regulations; or

(c) neglects or refuses to comply with the lawful directions of the Chief Inspector or any Inspector,

shall be liable to a penalty not exceeding Twenty pounds.

REGULATION CHARGES—SECTION 36.

54. For every inspection, and before the granting of any certificate for a lift, the following fees shall be paid:—

	£	s.	d.
For every passenger lift	1	10	0
For every goods lift	1	0	0
For every hoist (no platform)	0	10	0
For inspecting working plans submitted to the Chief Inspector of Machinery before the erection of any lift and granting of permission to erect	1	1	0

Note.—For all fees remitted by owners or other persons a receipt on the official machine numbered form should be obtained in every instance, and no other will be recognised.

REGULATIONS RELATING TO THE CONDUCT OF EXAMINATIONS, QUALIFICATIONS OF APPLICANTS, AND THE GRANTING OF CERTIFICATES TO ENGINE-DRIVERS, CRANE AND HOIST DRIVERS, AND BOILER ATTENDANTS.

GENERAL PROVISIONS.

1. The Board of Examiners appointed under the "Inspection of Machinery Act, 1921" (hereinafter termed the "Board"), shall examine or cause to be examined, on the subjects hereinafter specified, applicants for certificates of competency under Sections 53, 54, and 56 of the said Act. At all meetings of the Board any two members shall be a quorum.

2. The Minister may, in a like manner, appoint any official person employed in the Inspection of Machinery Department to act as Secretary to the Board of Examiners, and such person shall act under the Board's direction.

3. Examinations will be conducted by the Board at such times and places as may from time to time be determined, such examinations to be advertised when practicable in a newspaper or newspapers published or circulated in the locality or districts concerned. Notwithstanding the above, an examination will not be held at any advertised centre unless there be at least seven (7) eligible candidates.

4. Persons desirous of obtaining a certificate of competency must forward to the Chief Inspector of Machinery, Perth, notice in writing, in the form of the First Schedule annexed hereto, of his intention to present himself for examination; such notice to be lodged on or before the date advertised for closing of applications, and shall clearly state the class of certificate desired, and place of examination.

5. The notice mentioned in Regulation 4 must be accompanied by:—

- (a) Cash, money order, postal note, or cheque to the value of ten shillings (10s.), which shall be paid to Consolidated Revenue, and such fee shall admit of one examination only. If a candidate absents himself from an examination and fails to furnish the Board with a satisfactory explanation of his absence on or before the day of examination, his application fee shall be forfeited.
- (b) In the case of Drivers of Steam Engines, testimonials from his employer or two persons of good repute (whose addresses shall be given) and from a certificated engine-driver, as prescribed in Regulations 17, 19, 21, 23, 25, and 30. Such documents must specify clearly and distinctly the class of engines (giving the internal diameter of cylinders) that he has driven or assisted to drive.
- (c) In the case of Drivers of Cranes and Hoists, whether driven by steam or other power, testimonials from his employer and two persons of good repute, and from a certificated crane and hoist driver, as prescribed in Regulation 32. Such documents must specify the class of crane or hoist, size of cylinders in case of steam cranes, and the horse-power of any crane driven by electricity, and the maximum load of the crane that he has been in charge of for twelve (12) months within a period of three (3) years prior to the date of examination.
- (d) In the case of Drivers of Internal Combustion Engines, testimonials from his employer and two persons of good repute and from a certificated internal combustion engine-driver, as prescribed in Regulation 34, that he has driven or assisted to drive an internal combustion engine, the area of the cylin-

ders of which exceeds 100 square inches, for at least one (1) year within a period of three (3) years prior to the date of the examination.

- (e) In the case of Boiler Attendants, testimonials from his employer and a certificated engine driver, as prescribed in Regulation 36, that he has been continuously employed as a fireman for a period of at least six (6) months within three (3) years of the date of the examination.

Provided that in any case where a candidate is unable from any sufficient cause to produce satisfactory testimonials from his employer, the Board may accept a statutory declaration or other sufficient proof that such candidate has driven or assisted to drive, or had charge of such engines, cranes or hoists, internal combustion engines, or boilers, for such time as required by these regulations, within a period of three (3) years immediately prior to the date of examination, as evidence of his having had the necessary experience to entitle him to be examined. A copy of the testimonials must be forwarded along with the originals; and the latter will be returned by the Secretary to the last-known address of the candidate after the examination.

6. Prior to the issue of any certificate, each successful candidate, except in the case of Boiler Attendants, shall be required to furnish the Board with a medical certificate, in the form of Second Schedule hereto, that he is not subject to any physical infirmity likely to interfere with the efficient discharge of his duties as an engine-driver. This certificate will be permanently retained by the Board.

7. If in any case the Board does not deem the evidence of experience, ability, sobriety and general good conduct produced by the applicant in compliance with these regulations to be satisfactory, it may refuse to allow such applicant to present himself for examination.

8. If a candidate fails to pass the examination prescribed, he shall not again present himself until a period of not less than three (3) months shall have elapsed from the date of his last examination.

9. Any person who obtains or attempts to obtain any certificate under this Act by means of fraud or false pretences or any false document, or who effaces, mutilates or adds to, in any manner, the certificate issued by the Board, shall be liable to the penalties contained in Section 66 of the Act; and shall not practise as an engine-driver, crane or hoist driver or boiler attendant. Any certificate obtained by any such means shall be returned to the Board, and may be cancelled by the Minister.

10. No person under the various ages prescribed in these regulations, and who has not had the required practical experience, and is not a naturalised British subject, shall be accepted as a candidate for any examination.

11. No applications shall be considered, and no certificate shall be issued, unless full payment of the fees as pre-

scribed by these Regulations shall have been made to the Chief Inspector of Machinery, Perth.

12. No applicant for examination shall pay, give, or offer any gratuity or remuneration whatever to any member of the Board, or to any officer of the Department, and any applicant who shall offer to give remuneration shall be regarded as having failed in his examination, and shall be ineligible to present himself for a period of at least six (6) months, and any fees which may have been paid by the applicant shall be forfeited and paid into Consolidated Revenue.

13. Every certificate issued under these Regulations shall bear the impress of the seal of the Board, and shall contain the signature of the grantee on the space prepared on the face of the certificate.

14. Every holder of any class or grade of certificate granted under these Regulations (or certificate equivalent thereto) shall, in the event of a higher grade certificate being granted, and prior to its issue, surrender to the Board his former certificate for cancellation.

15. Any person in charge of any steam engine, or any internal combustion engine to which this Act applies, used for mining, factory, or other purposes, shall not, under any pretext whatever, unless relieved by a competent person holding the required certificate, absent himself or cease to have continual supervision of such engine. Any person so offending shall be deemed guilty of a breach of these Regulations.

CERTIFICATES OF COMPETENCY.

16. The certificates of competency to be issued by the Board of Examiners shall be of eight classes, viz.: Winding, First, Second, and Third Class Certificates for stationary engines; Locomotive and Traction, Crane and Hoist, Internal Combustion Engine, and Boiler Attendants' Certificates.

WINDING ENGINE DRIVER'S CERTIFICATE.

17. An unrestricted Winding Engine Driver's Certificate shall entitle the holder thereof to drive and have charge of any winding engine, and of its boiler or boilers, and of any stationary engine and its boiler or boilers to which a first class engine-driver's certificate applies, provided that such engines and boilers are so situated that the Chief Inspector or his representative is satisfied that the engine-driver can efficiently discharge his duties without danger to any person, or liability of accident to such engines or boilers.

An applicant for a Winding Engine-driver's Certificate must produce to the Board satisfactory evidence:—

- (a) Of his respectability of character.
- (b) That he can read and write the English language and is conversant with the elementary rules of arithmetic.

- (c) That he has been the holder of an unrestricted First Class Engine-driver's Certificate granted under the "Inspection of Machinery Act, 1921," or a certificate equivalent thereto in the opinion of the Board, for a period of not less than twelve (12) months, and that he has during six (6) months of that period been actually assisting to drive a winding engine under the supervision of a certificated winding engine-driver, or the holder of an equivalent certificate, issued in this State, for at least twelve (12) hours per week.
- (d) As to his winding engine experience and general good conduct, supported by testimonials signed by his employer or the engineer, and by a certificated winding engine-driver under whom the applicant has been practising. The testimonial from the certificated engine-driver shall state the number and date of issue of his certificate, and shall be signed and declared by the said engine-driver before a Justice of the Peace, or a Commissioner for taking Affidavits, to be true and correct in every particular.
- (e) That he is at the date of examination not under the age of twenty-two (22) years and not over the age of fifty (50) years.

A candidate over fifty years of age who satisfies the Board that the necessary experience in driving winding engines had been gained prior to attaining the age of fifty years may, at the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age, he will be required to produce a certificate of birth or baptism.

18. The applicant must pass a creditable examination as to the construction of winding engines and various stationary steam engines, condensers, and boilers in general use; the details of different working parts, external and internal; be able to explain how to detect defects, and what action is necessary in the ordinary emergencies which may arise in connection with winding and other steam engines, etc., and be able to work out certain elementary arithmetical questions.

FIRST CLASS ENGINE-DRIVER'S CERTIFICATE.

19. An unrestricted First Class Engine-driver's Certificate shall entitle the holder thereof to drive and have charge of any stationary engine or engines, including steam turbines, other than winding engines, by which men are raised or lowered at the time he is in charge, and of its or their boiler or boilers, but not to drive a locomotive or a traction engine, or a crane or hoist, or an internal combustion engine, provided that such engines and boilers are so situated that the Chief Inspector or his representative is satisfied that the engine-driver can efficiently discharge his duties without danger to any person or liability of accident to such engines or boilers.

An applicant for a First Class Engine-driver's Certificate must produce to the Board satisfactory evidence:—

- (a) Of his respectability of character.
- (b) That he can read and write the English language and is conversant with the elementary rules of arithmetic.
- (c) That he has been the holder of an unrestricted Second Class Engine-driver's Certificate granted under the "Inspection of Machinery Act, 1921," or a certificate equivalent thereto in the opinion of the Board for a period of not less than twelve (12) months, and that during six (6) months of that period for at least twelve (12) hours per week he has been actually assisting to drive a stationary steam engine, the area of the cylinder or cylinders of which exceeds 750 square inches.
- (d) That he is at the date of examination not under the age of twenty-one (21) years, nor over the age of fifty (50) years. An applicant over the age of fifty years, who satisfies the Board that the necessary experience in driving stationary steam engines had been gained prior to attaining the age of fifty years, may, at the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age, he will be required to produce a certificate of birth or baptism.

20. An applicant must pass a creditable examination and be conversant with the working parts of various stationary steam engines, including turbines, condensers, pumps, and boilers in general use, the different parts and uses of same, including the feeding of boilers, proper maintenance and running of engines, and be able to explain how to detect defects, and state what action is necessary in the ordinary emergencies that may arise in the management and maintenance of such engines, etc., which a First Class Engine-driver's Certificate entitles him to take charge of, and to work out certain elementary arithmetical questions.

SECOND CLASS ENGINE-DRIVER'S CERTIFICATE.

21. An unrestricted Second Class Engine-driver's Certificate shall entitle the holder thereof to drive and have charge of any stationary engine or engines, the area of the cylinder or cylinders of which does not exceed 750 square inches, and of its or their boiler or boilers, provided that such engines and boilers are so situated that the Chief Inspector or his representative is satisfied that the engine-driver can efficiently discharge his duties without danger to any person or liability of accident to such engines and boilers, but does not entitle him to take charge of any winding engine or of any locomotive or traction engine, or of any crane or hoist, or any internal combustion engine.

An applicant for a Second Class Engine-driver's Certificate must produce to the Board satisfactory evidence:—

- (a) Of his respectability of character.

- (b) That he is able to read and write the English language and is conversant with the elementary rules of arithmetic.
- (c) That for a period of not less than twelve (12) months he has been the holder of an unrestricted Third Class Engine-drivers' Certificate granted under the "Inspection of Machinery Act, 1921," or a certificate equivalent thereto in the opinion of the Board, and that during six (6) months of that period and for at least twelve (12) hours per week, he has been actually employed under a certificated driver assisting to drive a stationary steam engine, the area of the cylinder or cylinders of which exceeds 114 square inches:

Provided that the Board may, at its discretion, reduce the probationary period of six (6) months to three (3) months if the candidate can produce a certificate from a Technical School or School of Mines showing that he has had a course of instruction on the management and construction of steam engines and boilers.

This clause shall not apply to any applicant who has served an apprenticeship of at least five (5) years in an engineer's workshop on the making and repairing of steam engines, boilers, pumps, etc., or if the applicant has not served an apprenticeship as aforesaid, he must prove that for not less than five (5) years he has been employed as a journeyman mechanic in an engineering workshop on the making or repairing of steam engines, boilers, pumps, etc.

- (d) That he is on the date of examination not under the age of twenty (20) years, nor over the age of fifty (50) years. An applicant over the age of fifty years, who satisfies the Board that the necessary experience in driving stationary steam engines had been gained prior to attaining the age of fifty years, may, at the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age he will be required to produce a certificate of birth or baptism.

22. An applicant must pass a creditable examination as to the use of the principal parts of stationary steam engines, condensers, pumps, and boilers in general use, and be able to describe the various fittings and working parts and their uses; also to state what action is necessary in the ordinary emergencies which may arise in connection with such engines, etc., which a Second Class Engine-driver's Certificate entitles him to take charge of; and be able to work out certain elementary arithmetical questions.

THIRD CLASS ENGINE-DRIVER'S CERTIFICATE.

23. An unrestricted Third Class Engine-driver's Certificate shall entitle the holder thereof to drive and have charge of any stationary engine, the area or areas of the cylinder or cylinders of which does not exceed 114 square inches and of its or their boilers, provided that such engines and boilers are so situated that the Chief Inspector or his representative

is satisfied that the Engine-driver can efficiently discharge his duties without danger to any person or liability of accident to such engines and boilers: Provided that such engine is not a winding engine, locomotive, traction engine, crane or hoist, or internal combustion engine.

An applicant for a Third Class Engine-driver's Certificate must produce to the Board satisfactory evidence—

- (a) Of his respectability of character.
- (b) That he is able to read and write the English language.
- (c) That he has been the holder of an unrestricted Boiler Attendant's Certificate granted under the "Inspection of Machinery Act, 1921," or a certificate equivalent thereto in the opinion of the Board, for a period of not less than twelve (12) months, and that during six (6) months of that period, and for not less than twelve (12) hours per week he has been actually employed under a certificated engine-driver assisting to drive a steam engine with a boiler and accessories connected therewith. Provided that the Board may, at its discretion, reduce the probationary period of six (6) months to three (3) months if the candidate can produce a certificate from a Technical School or School of Mines, proving that he has had a course of instruction on the management and construction of steam engines and boilers.
- (d) That he is on the date of examination not under the age of nineteen (19) years, nor over the age of fifty (50) years. An applicant over the age of fifty years who satisfies the Board that the necessary experience in driving stationary steam engines had been gained prior to attaining the age of fifty years may, in the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age, he will be required to produce a certificate of birth or baptism.

24. An applicant must pass a creditable examination as to the use of the principal parts of stationary steam engines, pumps, and boilers in general use, and be able to describe the various fittings and working parts and their uses; also to state what action is necessary in the ordinary emergencies which may arise in connection with such steam engines, pumps, and boilers which a Third Class Engine-driver's Certificate entitles him to take charge of; and other matters dealing with the safety and proper working of boilers.

LOCOMOTIVE AND TRACTION ENGINE-DRIVER'S CERTIFICATE.

25. An unrestricted Locomotive and Traction Engine-driver's Certificate shall entitle the holder thereof to drive and have charge of any locomotive or steam traction engine and of its boiler, propelling itself, or moving from place to place, by its own motive power and machinery, and of any

stationary engine and boiler, which it is lawful for the holder of a Third Class Certificate to be in charge of. An applicant for a Locomotive and Traction Engine-driver's Certificate must produce to the Board satisfactory evidence:—

- (a) Of his respectability of character.
- (b) That he can read and write the English language, and is conversant with the elementary rules of arithmetic.
- (c) That for a period of not less than eighteen (18) months and for not less than six (6) hours per day, he has been actually employed in firing and assisting to drive a locomotive engine. A testimonial signed by his employer and by the certificated engine-driver with whom he has been firing and assisting to drive, to the above effect, must accompany the application. The locomotive engine-driver, when signing the testimonial must state the number and date of issue of his certificate.
- (d) That he is on the date of examination not under twenty-two (22) years of age, nor over the age of fifty (50) years. An applicant over the age of fifty years who satisfies the Board that the necessary experience in driving locomotives and traction engines had been gained prior to attaining the age of fifty years may, at the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age, he will be required to produce a certificate of birth or baptism.
- (e) That he understands the meaning of all the different lights and signals used on the Government Railways in Western Australia, and that he is conversant with the rules of the road and the conditions under which traction engines are allowed to travel on public roads and highways.

26. An applicant must pass a creditable examination as to the details of the different parts of locomotives and traction engines, and of such stationary engines as are referred to in Regulation 23, to which an unrestricted Locomotive and Traction Engine-driver's Certificate applies. He must be able to explain the staff system, the mechanism of brakes, and the uses of the various cocks, gauges, valves, and connections on boilers, and state how temporary repairs could be effected in case of derangement to engine or boiler. He must understand the effects of impurities in water used in such boilers, and the methods adopted to keep the boiler clean, and to work out certain elementary arithmetical questions.

27. In addition to furnishing the Board with the medical certificate as required under Regulation No. 6, every successful candidate who is actually in charge of any locomotive engine, to which the "Inspection of Machinery Act, 1921," applies, shall present himself for medical examination at intervals of not more than two (2) years, and a medical certificate in the form of Second Schedule hereto, but specifying a Locomotive engine, shall be forwarded by him to the Chief Inspector of Machinery, Perth, for record purposes.

28. If any duly qualified medical practitioner should certify that an engine-driver's health or eyesight is seriously defective, and in consequence of such certificate the Board is of the opinion that he is no longer fit to be in control of a locomotive engine, he shall immediately discontinue to take charge of such engine, but may drive and take charge of any stationary engine for which his certificate qualifies him, subject to the sanction of the Chief Inspector being first obtained.

29. Any certificated locomotive engine-driver having charge of any locomotive engine, and whose Medical Certificate on the 1st day of August, 1922, is more than two (2) years old, must comply with Regulation Number 27 before the thirty-first day of August, 1922, and as required thereafter.

TRACTION ENGINE-DRIVER'S CERTIFICATE.

30. If an applicant desires to obtain a certificate as a Steam Traction Engine-driver, without locomotive privileges, the Board may permit him to sit for examination for such certificate.

An unrestricted Steam Traction Engine-driver's Certificate shall entitle the holder thereof to drive and have charge of any steam traction engine and its boiler, and also of any stationary engine and its boiler, which it is lawful for the holder of a third class certificate to drive.

An applicant for a Steam Traction Engine-driver's Certificate must produce to the Board satisfactory evidence—

- (a) Of his respectability of character.
- (b) That he can read and write the English language.
- (c) That he has been firing and assisting to drive a steam traction engine for a period of not less than twelve (12) months, or that he is the holder of a boiler attendant's certificate, and has been assisting to drive a steam traction engine for six (6) months, for at least twelve (12) hours per week, prior to the date of the examination:

Provided that the holder of a Winding, First Class, Second Class, or Locomotive Engine-driver's Certificate may, at the discretion of the Board, be deemed eligible to sit for examination.

- (d) That he is on the date of examination not under the age of twenty (20) years nor over the age of fifty (50) years. An applicant over the age of fifty years, who satisfies the Board that the necessary experience in driving steam traction engines had been gained prior to attaining the age of fifty years may, at the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age, he will be required to produce a certificate of birth or baptism.
- (e) That he is conversant with the rules of the road and the conditions under which steam traction engines are allowed to travel on public road and highways.

31. An applicant must pass a creditable examination as to the details of the different parts of steam traction engines, and of such other engines to which an unrestricted Traction Engine-driver's Certificate applies. He must be able to explain the uses of the various cocks, gauges, valves, and connections of boilers, and state how temporary repairs could be effected in case of derangement to engine or boiler. He must also understand the effective methods adopted to keep the boiler clean.

CRANE AND HOIST DRIVER'S CERTIFICATE.

32. An unrestricted Crane and Hoist Driver's Certificate shall entitle the holder thereof to drive and have charge of any stationary or travelling crane, hoist, or other appliance of a like kind, fitted with a jib, and operated by power other than by hand or animal power, used for the purpose of raising material, and, in the case of a steam-operated appliance, of its boiler.

An applicant for a Crane and Hoist Driver's Certificate must produce to the Board satisfactory evidence—

- (a) Of his respectability of character.
- (b) That he can read and write the English language.
- (c) That he has been assisting to drive a crane or hoist, under a certificated crane and hoist driver, for a period of not less than (6) six months prior to the date of examination.
- (d) That he produces a testimonial covering such period from the certificated crane and hoist driver under whom he has been practising, and that such certificated driver shall state the type of crane, how driven, and the maximum lifting capacity. He shall, when signing the testimonial, give the number and date of issue of his certificate.
- (e) That he is on the date of examination not under the age of nineteen (19) years nor over the age of fifty (50) years. An applicant over the age of fifty years, who satisfies the Board that the necessary experience in driving cranes or hoists had been gained prior to attaining the age of fifty years, may, at the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age, he will be required to produce a certificate of birth or baptism.

33. An applicant must pass a creditable examination as to the various parts and uses of—

- (a) a steam crane, including its boiler, fittings and connections;
- (b) or an electric crane, including its motor switches and other accessories.

He must also be able to give a practical explanation as to what action is necessary in the case of any emergency which may arise in the operating of such cranes.

INTERNAL COMBUSTION ENGINE-DRIVER'S CERTIFICATE.

34. An unrestricted Internal Combustion Engine-driver's Certificate shall entitle the holder thereof to drive and have charge of any internal combustion engine or engines, and its or their accessories, to which the Act applies, other than winding engines by which men are raised or lowered.

An applicant for an Internal Combustion Engine-Driver's Certificate must produce to the Board satisfactory evidence—

- (a) Of his respectability of character.
- (b) That he is able to read and write the English language and is conversant with the elementary rules of arithmetic.
- (c) That for a period of not less than twelve (12) months and for not less than twelve (12) hours per week he has been actually employed under a certificated internal combustion engine-driver assisting to drive an internal combustion engine having an area of cylinder or combined area of cylinders exceeding 100 square inches and accessories connected therewith.
- (d) That he is on the date of examination not under the age of twenty-one (21) years nor over the age of fifty (50) years. An applicant over the age of fifty (50) years, who satisfies the Board that the necessary experience in driving internal combustion engines had been gained prior to attaining the age of fifty years, may, at the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age, he will be required to produce a certificate of birth or baptism.

35. An applicant must pass a creditable examination as to the use of the principal working parts of internal combustion engines, their general principles, the different classes of producers and accessories, and be able to describe the various fittings and their uses; also to state what action is necessary in the ordinary emergencies and dangers which may arise in connection with such engines and producers, and other matters dealing with their safety and proper working; and be able to work out certain elementary arithmetical questions.

Note.—If an internal combustion engine be used to drive a winding engine used for raising and lowering men, the driver thereof must hold a Winding Engine-driver's Certificate, or one equivalent thereto, issued within this State, in addition to an Internal Combustion Engine-driver's Certificate.

BOILER ATTENDANT'S CERTIFICATE.

36. An unrestricted Boiler Attendant's Certificate shall entitle the holder thereof to take charge of any boiler or boilers in which steam is generated, and to which this Act applies, together with its or their accessories, such as feed pumps, injectors, economisers, superheaters, etc.

An applicant for a Boiler Attendant's Certificate must produce to the Board satisfactory evidence:—

- (a) Of his respectability of character.
- (b) That he can read and write the English language.
- (c) That he has had not less than six (6) months' experience of not less than eight (8) hours per day as a boiler attendant, under a person holding a certificate under the "Inspection of Machinery Act, 1921," or a certificate equivalent thereto in the opinion of the Board, or such other experience outside this State as the Board may decide on accepting.
- (d) That he is on the date of examination not under the age of eighteen (18) years. An applicant over the age of fifty (50) years, who satisfies the Board that necessary experience as a boiler attendant had been gained prior to attaining the age of fifty years, may, at the discretion of the Board, be considered eligible for examination. Should any doubt exist as to the applicant's age, he will be required to produce a certificate of birth or baptism.

37. An applicant must pass a creditable examination on all classes of boilers in common use in the State, and be able to describe their internal construction, staying, etc. He must also prove to the Board that he understands the proper methods of washing out, making manhole, mudhole, and other joints on a boiler, and that he knows the correct procedure in testing glass water gauges, packing them, and renewing glasses.

He must also have a working knowledge of the various fittings required by Section 22 of this Act, the construction and capabilities of feed pumps and injectors in common use, and must understand the best methods of firing and blowing down boilers, regulating feed water, and all other matters in connection with the safe and economical working of a boiler.

CERTIFICATES OF SERVICE.

38. Certificates of service for Crane and Hoist Drivers, Internal Combustion Engine-drivers, and Boiler Attendants will be granted by the Board, without examination, to any person of good repute and being a resident in the State of Western Australia, who not later than the 3rd day of July, 1923, applies for same by filling up the application in the form of the First Schedule annexed hereto, and pays the prescribed fee, provided that he complies with the following conditions:—

- (a) For a Crane and Hoist Driver's Certificate of service an applicant must furnish the Board with satisfactory evidence that he has been in charge of any stationary or travelling crane, hoist, or other appliance of a like kind, fitted with a jib, and operated by power other than hand or animal power, used for the purpose of raising material and, in the case of a steam operated appliance, of its boiler, for a

period of at least one (1) year within five (5) years prior to the commencement of this Act. He must also furnish a medical certificate in the form of the Second Schedule hereto, dated within one (1) calendar month of the date of receipt of his application.

- (b) For an Internal Combustion Engine-driver's Certificate of Service an applicant must furnish the Board with satisfactory evidence that he has been in charge of and driven an internal combustion engine, the area of the cylinder or cylinders of which exceeds 200 square inches, for at least one (1) year within a period of two (2) years prior to the commencement of this Act. He must also furnish a medical certificate in the form of the Second Schedule hereto, dated within one (1) calendar month of the date of the receipt of his application.
- (c) For a Boiler Attendant's Certificate of Service an applicant must furnish the Board with satisfactory evidence that he has been continuously in charge of a boiler and its accessories for at least one (1) year within a period of two (2) years prior to the commencement of this Act.

Provided that all applicants for the above-mentioned service certificates must produce satisfactory evidence of efficiency, length of service, and good conduct, in writing, signed by their employers or by two persons of good repute, whose addresses shall be given.

39. A Certificate of Service granted in accordance with these Regulations shall entitle the holder thereof to the same privileges as a Certificate of Competency of the same class.

RECIPROCIITY OF ENGINE-DRIVERS' CERTIFICATES.

40. Upon production of a satisfactory medical certificate in the form of Second Schedule, and payment of the prescribed fee, the Board may grant to any person making application in the form of Sixth Schedule hereto, who satisfies the Board that he is a resident in the State of Western Australia, and is a person of good repute and is the holder of a Winding or a First or Second Class Mining Engine-driver's Certificate issued in any other State of the Commonwealth, a certificate of equivalent grade without examination, and such certificate shall entitle the holder to the same privileges that he was entitled to under his certificate in the State wherein it was issued.

Provided always that the applicant has not been previously refused the same grade of certificate by a Board of Examiners duly appointed under the "Inspection of Machinery Act, 1921," or the "Inspection of Machinery Act, 1904," or "Coal Mines Regulation Act, 1902," or "Mines Regulation Act, 1895," and amendments.

Provided that in the case of a Winding Engine Driver's Certificate the Board may, before issuing the certificate, require the applicant to furnish satisfactory evidence as to his

knowledge of the provisions relating to winding, and of the signal code under the "Mines Regulation Act, 1906," and satisfactory evidence as to his qualifications and character. And further provided that the Board, at its discretion, may issue, without examination, any certificate of such grade as it deems fit to the holder of a certificate granted by any properly constituted authority, upon the production of such certificate, and of a satisfactory medical certificate in form of Second Schedule hereto, and payment of the prescribed fee.

INTERIM CERTIFICATES.

41. Any person holding a certificate issued by some recognised authority outside the State, and who has not had an opportunity of presenting himself for examination, may obtain an interim or temporary certificate which shall remain in force and entitle him to the same privileges as an ordinary certificate of similar grade issued in this State, until the date appointed for the next examination, upon satisfying the Board or any member thereof as to the following:—

- (a) Of his respectability of character.
- (b) That on the date of making application the certificate presented by him is still valid in the State or country in which it was issued.
- (c) That such certificate has been forwarded to the Chief Inspector of Machinery, Perth, for retention during the currency of the interim or temporary certificate.

42. All applications for Interim Certificates mentioned in the preceding Regulation must be in the form of Third Schedule hereto, and must be accompanied by the prescribed fee, and medical certificate in the form of Second Schedule, in the case of Winding, First Class, and Locomotive Engine-drivers' Certificates only.

PROTECTION OF ENGINE-DRIVERS' CERTIFICATES IN FORCE PRIOR TO THE PASSING OF THIS ACT.

43. The holders of the certificates of competency or service mentioned hereunder and granted in this State under the Acts referred to shall be deemed to be the holders of certificates under this Act as tabulated:—

Grade.	Granted under.	Equivalent Certificates under this Act.
"Engine-driver's" Certificate. Unrestricted	Mines Regulation Act, 1895	Winding Engine-driver's Certificate.
"Engine-driver's" Certificate. Restricted	Mines Regulation Act, 1895	First Class Engine-driver's Certificate.
"First Class" Certificate. Unrestricted	Mines Regulation Amendment Act, 1899, or Coal Mines Regulation Act, 1902	Winding Engine-driver's Certificate.
"First Class" Certificate. Restricted	Mines Regulation Amendment Act, 1899, or Coal Mines Regulation Act, 1902	Winding Engine-driver's Certificate (subject to any restriction endorsed on original Certificate, or recorded in the office of the Chief Inspector of Machinery).

Grade.	Granted Under.	Equivalent Certificates under this Act.
"Second Class" Certificate. Unrestricted	Mines Regulation Amendment Act, 1899, or Coal Mines Regulation Act, 1902	First Class Engine-driver's Certificate.
"Second Class" Certificate. Restricted.	Mines Regulation Amendment Act, 1899, or Coal Mines Regulation Act, 1902	First Class Engine-driver's Certificate (subject to any restriction endorsed on original Certificate, or recorded in the office of the Chief Inspector of Machinery).
"First Class" Certificate. Unrestricted	Inspection of Machinery Act, 1904	Winding Engine-driver's Certificate.
"First Class" Certificate. Restricted	Inspection of Machinery Act, 1904	Winding Engine-driver's Certificate (subject to any restriction endorsed on original Certificate, or recorded in the office of the Chief Inspector of Machinery).
"Second Class" Certificate. Unrestricted	Inspection of Machinery Act, 1904	First Class Engine-driver's Certificate.
"Second Class" Certificate. Restricted	Inspection of Machinery Act, 1904	First Class Engine-driver's Certificate (subject to any restriction endorsed on original Certificate, or recorded in the office of the Chief Inspector of Machinery).
"Third Class" Certificate. Unrestricted.	Inspection of Machinery Act, 1904	Third Class Engine-driver's Certificate.
"Third Class" Certificate. Restricted	Inspection of Machinery Act, 1904	Third Class Engine-driver's Certificate (subject to any restriction endorsed on original Certificate or recorded in the office of the Chief Inspector of Machinery).
"Locomotive and Traction" Certificate. Unrestricted	Inspection of Machinery Act, 1904	Locomotive and Traction, and First Class Engine-driver's Certificate.
"Locomotive and Traction" Certificate. Restricted	Inspection of Machinery Act, 1904	Locomotive and Traction Engine-driver's Certificate (subject to any restriction, the equivalent of the restriction endorsed on original Certificate, or recorded in the office of the Chief Inspector of Machinery).
"Marine Engine-driver's" Certificate. Unrestricted	Inspection of Machinery Act, 1904, or the Boat Licensing Act of 1878, if issued before 1st March, 1905	First Class Engine-driver's Certificate under this Act, in addition to Marine privileges granted under Acts specified.
"Marine Engine-driver's" Certificate. Restricted	Inspection of Machinery Act, 1904, or the Boat Licensing Act, 1878, if issued before 1st March, 1905	Second Class Engine-driver's Certificate under this Act, in addition to Marine privileges granted under Acts specified (subject to any restriction endorsed on original Certificate, or recorded in the office of Chief Inspector of Machinery).

TRANSFER CERTIFICATES.

44. The holder of any certificate under the Acts mentioned in Regulation 43, being a resident in the State of Western Australia and being a person of good repute, may, on making application in the form of Fifth Schedule hereto, payment of prescribed fee, and on delivery of his original certificate for cancellation by the Board, obtain an equivalent certificate under this Act, and such certificate shall be called a transfer certificate.

RECOGNITION OF MARINE ENGINEER'S CERTIFICATES.

45. On making application in the form of First Schedule hereto, the payment of the prescribed fees, the production of a satisfactory medical certificate as prescribed in

Second Schedule, and on proof that the applicant is a resident in the State of Western Australia, and a person of good repute, and on production of satisfactory testimonials, and a certificate granted after examination by the Board of Trade of the United Kingdom of Great Britain and Ireland, or by any Board in His Majesty's Dominions having authority from the said Board of Trade to grant certificates, the Board may grant, without examination, the following certificates of competency:—

- (a) To a holder of a first-class or second-class marine engineer's certificate—a First Class Engine-driver's Certificate.
- (b) To a holder of a third-class marine engineer's certificate—a Third Class Engine-driver's Certificate.

RESTRICTED CERTIFICATES.

46. Notwithstanding anything contained in the preceding Regulations, the Board may restrict the privileges conferred by any certificate as it may deem advisable. Such restriction shall be endorsed on the face of the certificate. The restriction may be cancelled by the Board after further oral examination and upon production of satisfactory evidence of further experience and payment of the prescribed fees. No application for a higher grade certificate will be entertained until such restriction has been cancelled.

COPIES OF CERTIFICATES.

47. If any certificate granted in this State and recognised under the provisions of the "Inspection of Machinery Act, 1921," is lost or destroyed, the owner of such certificate may make a statutory declaration in the form of Fourth Schedule hereto, with respect thereto; and the Board, if satisfied with such declaration, may issue a fresh certificate which shall be a true copy of the original, and made on same form as the original issue, on payment of the prescribed fee.

Such certificate shall be endorsed with the reasons for the issue thereof, and thereafter shall be available as if it were the original certificate.

COMPLAINTS.

48. If an owner or responsible person under him, or any Inspector appointed under the Acts mentioned in these Regulations, represents at any time in writing to the Board that any person deemed to be the holder of a certificate under this Act, is guilty of any offence or misconduct or negligence, or who has developed any symptoms of epilepsy or other serious complaint, which would render him unfit to be trusted to efficiently perform his duties as such holder, the Board may call upon him to return his certificate to the Chairman of the Board and to appear before it or before such persons as the Minister may appoint to show cause why he should not be suspended, reduced, or disqualified. The persons appointed as aforesaid to conduct such inquiry may call such evidence as is deemed necessary, and such evidence shall be on oath or affirmation, which the Chairman or any person appointed

as aforesaid or any member of the Board may administer, and the Board or such other authority shall have the power of a Police Magistrate sitting in a Court of Petty Sessions and to summon witnesses.

In the case of persons appointed by the Minister to hold an inquiry, they shall report to the Chairman of the Board, and shall furnish the depositions taken at such inquiry.

If it appears to the Board as the result of any such inquiry, that the certificated person has failed to show good cause why he should not be suspended, reduced, or disqualified the Board shall advise the Minister accordingly.

If the certificated person should fail to appear at the inquiry without reasonable excuse this shall be held by the Board to be equivalent to failure on his part to show cause why he should not be suspended, reduced, or disqualified. The Minister may thereupon, by notice in the *Government Gazette*, disqualify him for such period as he thinks fit, and during the period of disqualification he shall be deemed not to be the holder of a certificate, or the Minister may alter, suspend, or cancel such certificate, and may, on the recommendation of the Board require the engine-driver against whom any offence has been proved to defray all or part of the expenses of the inquiry.

49. With respect to any inquiry held under these Regulations the following provisions shall have effect—

- (a) The inquiry shall be held at such time and place as the Board may appoint, and the engine-driver shall have the right to be represented by any person duly certificated in this State, whom he may select. He shall receive fourteen (14) days' notice of the Board's intention to authorise the holding of an inquiry, and if the certificated person intends to employ a representative he shall give at least seven (7) days' notice of such intention to the Chairman of the Board.
- (b) Any person shall, upon receipt of notice of the intention of the Board to hold an inquiry with reference to a complaint which has been lodged against him, deliver his certificate to the Chairman of the Board, which shall be returned to him should the complaint or charge not be sustained.
- (c) The Board shall furnish to the certificated person, not less than fourteen (14) days before the commencement of the inquiry, a statement of the case upon which the inquiry is instituted.
- (d) The certificated person shall, at his own expense, attend such inquiry, and may produce such evidence as he may consider necessary.

SYLLABUS.

50. Applicants for certificates shall have a knowledge of the provisions relating to engines and boilers under:—

- (a) "Inspection of Machinery Act, 1921."
- (b) "Mines Regulation Act, 1906," and Regulations.
- (c) "Coal Mines Regulation Act, 1902."
- (d) Any other Act and Regulations relating to engine-drivers' certificates in force for the time being.

51. Applicants for certificates in addition to the aforesaid requirements shall be examined in such parts of the following syllabus as may be applicable to the class of certificate desired:—

- (a) The various types of winding engines in use in Western Australia, and their component parts.
- (b) The handling of winding engines, and how to act in case of emergency.
- (c) The various types of brakes and clutches, how operated, and how adjusted.
- (d) The various types of depth indicators and the working and adjusting of same, with special reference to changing levels.
- (e) The various types of head gears and hoisting arrangements in shafts, and usual safety appliances.
- (f) How ropes are attached to and coiled on drums; defects relating thereto.
- (g) The various signalling arrangements used in connection with winding engines, with special reference to safety signals.
- (h) The various types of steam engines, air, and other compressors and condensers, air and circulating pumps used in connection therewith, and the various methods of dealing with the exhaust steam from engines.
- (i) The various valve gears applied to steam engines, the action of them in starting, stopping, and reversing; how dangerous defects may be recognised and readily remedied in some cases.
- (j) The various types of governors and steam-throttle valve arrangements of steam engines, and the regulating of the same.
- (k) How the various parts of engines, shafts, and drums are connected up or geared.
- (l) Auxiliary starting valves, bye-pass valves, and relief valves.
- (m) Lubrication and lubricators for bearings and cylinders.
- (n) The various types of boilers in use in Western Australia, and their component parts; feeding and firing arrangements; effect of high and low water; grease, deposit, scale, and how to act in cases of emergency.
- (o) All boiler mountings and fittings, their names and uses, also methods of setting various types of boilers.
- (p) The draining of stop valves and steam-pipes, and how to connect boilers under steam pressure.
- (q) Dangerous defects relating to boilers and fittings, how observed, and how dealt with.

- (r) The safe and economical management of locomotives and traction engines, the various types of valve gears and brakes used. The usual methods adopted in case of break-downs, the various signals in use on Railways in Western Australia, and the usual methods adopted to secure safe running.
- (s) A general knowledge of the various types of sinking, feed, and other pumps.
- (t) Generally the proper maintenance and economical working of all engines, boilers, and pumps.
- (u) The various mechanisms in use in steam or electric cranes used for hoisting, slewing, and travelling.
- (v) The various kinds of internal combustion engines and their working parts, whether worked by oil, town gas, or suction gas, and in the latter case the construction, maintenance, and working of producers and all their accessories, including fittings.

EXAMINATIONS.

52. The examination shall be conducted partly by means of written or printed papers, and partly *viva voce*, at the discretion of the Board of Examiners.

The examination shall be essentially of a practical character.

In the examination papers the possible number of marks obtainable for each answer shall be stated.

53. The following instructions will be rigidly enforced:—

- (a) Examination shall commence at 9.30 a.m. on the advertised dates. Candidates shall be in their places five minutes before the time fixed. After this time no candidate will be admitted unless under very exceptional circumstances, and by express permission of the examiners. Provided always that no person who has seen the examination paper shall have previously left the room. No candidate shall under any circumstances whatever be permitted to leave before the expiration of one half-hour from the time of the examination paper being given out. No writing paper, blotting paper, books, or manuscripts are allowed to be brought into the examination room.
- (b) Any candidate who arrives at the examination room with books, papers, or manuscripts in his possession, whether referring to the subject of examination or not, must give them up at the door of the examination room before taking his place.
- (c) Silence shall be maintained, and no communication, by word or otherwise, between candidates will be allowed during the examination. If any candidate wishes to communicate with the examiners he must stand up in his place.

- (d) Any candidate violating any of these Regulations, or behaving in a disorderly manner in or about the examination room, will be required to immediately leave the building; and the Board may subsequently consider the candidate to have failed in his examination.
 - (e) The candidate must write on one side only of the paper provided and lay each sheet when finished face downwards, and must take care that no other candidate shall have any opportunity of copying therefrom. Candidates will be held responsible if their written papers are exposed in such a manner that they may be copied by any other candidate. If the examiners are convinced that copying or collusion has taken place between two candidates, both candidates shall be liable to be disqualified.
 - (f) On the first page of each paper a candidate must write the date and place of examination. He must also write on every sheet his name in full. When he has completed his written answers, he is to fasten them together at the left-hand top corner, number them consecutively, and hand them to one of the examiners.
 - (g) In answer to arithmetical questions all workings must be shown, and no credit will be given where this is not done.
 - (h) Warning will be given ten (10) minutes before the time fixed for giving up papers. When the papers are called for, everyone is to cease work immediately.
 - (i) Places will be allotted to the candidates by the examiners. All writing materials and paper fasteners for connecting the written papers will be provided by the Department.
54. Candidates will be allowed to cancel or revise any part of their work during the time allotted for examination.
55. The members of the Board shall have equal jurisdiction as to the questions set, and shall be equally responsible for those set.
56. The minimum marks required will be stated on each examination paper.
-

First Schedule.

Western Australia.

Recd.....
Regd. No.....

(OFFICE USE ONLY.)

Inspection of Machinery Act, 1921.

APPLICATION FOR A*.....CERTIFICATE†.....

Date....., 19....

To the Chief Inspector of Machinery,
Perth.

Sir,

1. I beg to apply for a*.....Certificate of†..... and hereby give notice that it is my intention to present myself at the next examination at.....(subject to the approval of the Board of Examiners) and I hereby desire to be notified of the exact date of such examination.

2. I enclose herewith‡.....for the sum of Ten shillings being the fee required by the Regulations for this application. I also enclose evidence of my experience, sobriety, and general good conduct.

3. Copies of Certificates and Testimonials are attached hereto for record purposes, and originals of same are forwarded for perusal and return.

I am, Sir,

Your obedient servant,

Signature of Applicant.....

Postal Address.....

Note.—In order to save inconvenience and delay, each applicant is requested to carefully peruse and rigidly adhere to the Regulations relating to the certificate applied for before forwarding his application.

*Insert here "Winding Engine-driver's," "First Class Engine-driver's," "Second Class Engine-driver's," "Third Class Engine-driver's," Locomotive and Traction Engine-driver's," "Locomotive Engine-driver's," "Traction Engine-driver's," "Crane and Hoist Driver's," "Internal Combustion Engine-driver's," or "Boiler Attendant's."

†Insert here "Competency" or "Service." (Applications for Service certificates, as defined in the Regulations, will not be considered after July 3rd, 1923.)

‡Insert here "Cash," "Money Order," "Postal Note" or "Cheque."

(To be carefully filled in and signed by Applicant.)

STATEMENT OF PARTICULARS.

1. Name of Applicant (in full).	1.....
2. Place of birth of Applicant (town and country). Date of Birth	2.....
3. Indicate your most recent experience with the class of Engine or Boiler for which you require a certificate, giving brief description, maker's name, internal diameter of cylinder, and, in the case of a Boiler, maker's name, type and leading dimensions and the place where Engine or Boiler is erected.	3.....
4. Name and address of any person to whom reference may be made, if necessary, for verification of above particulars.	4.....

Applicant to state hereunder particulars of Certificates granted him by any duly constituted authority.

No.	Class, and whether Competency or Service.	Date.	Where granted.	By whom granted.
.....
.....
.....
.....

STATUTORY DECLARATION TO BE MADE BY APPLICANT.

I,....., of....., in the State of Western Australia, do solemnly and sincerely declare that the above is a true and faithful statement of the particulars required, and I make this solemn declaration by virtue of Section 106 of "The Evidence Act, 1906."

Made and signed before me, at....., }
 this.....day of....., } Signature.....
 19.... }

.....
 Magistrate, or J.P.

IMPORTANT.

Is. Revenue Stamp to be affixed by applicant.

Second Schedule.

Western Australia.

Inspection of Machinery Act, 1921.

MEDICAL CERTIFICATE.

To the Chief Inspector of Machinery,
Perth.

(Place).....

(Date).....19..

I, being a duly qualified Medical Practitioner registered in this State,
have this day examined Mr.....and I am satisfied
that his

Hearing is.....

Eyesight is.....

*Colour Vision is.....

and that he is not subject to any disease or physical deformity likely to
interfere with the efficient discharge of the duties of an engine-driver.

Further remarks.....

.....

.....

Signature of Medical Practitioner.....

Address.....

*This item only necessary in case of Locomotive Engine-drivers.

Third Schedule.

Western Australia.

Inspection of Machinery Act, 1921.

Recd.....
Regd. No.....

(OFFICE USE ONLY).

APPLICATION FOR AN INTERIM CERTIFICATE.

To the Chief Inspector of Machinery,
Perth.

Sir,

1. I beg to apply for a*.....Interim Certificate
which will entitle me to the same privileges as a certificate of the same
status under the "Inspection of Machinery Act, 1921."

*Insert here class of certificate required.

2. I enclose herewith}.....for the sum of Ten shillings, being the prescribed fee for this application and the granting of an interim certificate. I also enclose evidence of my experience, sobriety, and general good conduct.

3. Copies of certificates and testimonials are attached hereto for record purposes, and originals of same are forwarded for perusal and return.

I am, Sir,

Your obedient servant,

(Signature of Applicant).....

Postal Address.....

Note.—In addition to the particulars required over the leaf, the applicant must furnish satisfactory evidence that he is still competent to practise as an Engine-driver or Boiler Attendant within the State or Colony wherein certificate or certificates were granted.

†Insert here "Cash," "Money Order," "Postal Note," or "Cheque."

(To be carefully filled in and signed by Applicant.)

STATEMENT OF PARTICULARS.

1. Name in full	1.....
2. Place of Birth (town and country) ...	2.....
Date of Birth
3. Name of Mine, Factory, or other place where applicant has been acting as an Engine Driver or Boiler Attendant.	3.....
4. Length and nature of service of applicant	4.....

Applicant to state hereunder particulars of certificates granted him by any duly constituted authority outside the State.

No.	Class, and whether Competency or Ser-Service.	Date.	Where granted.	By whom granted.
.....
.....
.....
.....

STATUTORY DECLARATION TO BE MADE BY APPLICANT.

I,....., of....., in the State of Western Australia, do solemnly and sincerely declare that the above is a true and faithful statement of the particulars required; and I make this solemn declaration conscientiously believing the same to be true, and by virtue of Section 106 of "The Evidence Act, 1906."

Made and signed before me, at....., }
 this.....day of....., } Signature.....
 19.... }

.....,
 Magistrate or J.P.

IMPORTANT.
 Is. Revenue Stamp
 to be affixed by
 applicant.

Fourth Schedule.

Western Australia.

Recd.....
Regd. No.....
(OFFICE USE ONLY.)

Inspection of Machinery Act, 1921.

APPLICATION FOR COPY OF CERTIFICATE.

Place.....

Date.....19..

To the Chief Inspector of Machinery,
Perth.

I beg to apply for a copy of my engine-driver's certificate, particulars of which are appended hereunder:—

PARTICULARS OF LOST CERTIFICATE.

No.	Class, and whether Competency or Service.	Date.	Where granted and under what Act.	Place and Date of Birth of Applicant.
.....
.....
.....

I hereby declare that such certificate has been*.....

I enclose herewith†.....for the sum of Ten shillings (15s. if a copy has been previously issued), being the fee prescribed by the Regulations for this application and the granting of a copy.

I am, Sir,

Your obedient servant,

Signature,.....

STATUTORY DECLARATION TO BE MADE BY APPLICANT.

I,.....(Full Name)....., of.....(Postal Address)....., in the State of Western Australia, do solemnly and sincerely declare that the above is a true and faithful statement of the particulars required, and I make this solemn declaration by virtue of Section 106 of "The Evidence Act, 1906."

Made and signed before me, at....., }
this.....day of....., } Signature.....
19.... }

.....

Magistrate or J.P.

IMPORTANT.

Is. Revenue Stamp to be affixed by applicant.

*Here state whether certificate was lost, stolen, or destroyed by fire or otherwise, and give circumstances in connection with such loss.

†Insert here "Cash," "Money Order," "Postal Note," or "Cheque."

Fifth Schedule.

APPLICATION FOR A TRANSFER CERTIFICATE

Reed.....
Regd. No.....

(OFFICE USE ONLY.)

To the Chief Inspector of Machinery,
Perth.

Place.....
Date.....19..

I.....(Name in Full)....., Engine-driver, of.....(Postal Address)....., in the State of Western Australia, do hereby make application for a Transfer Certificate under Section 62, Subsection 3, of the "Inspection of Machinery Act, 1921."

I enclose herewith my original engine-driver's certificate for cancellation, particulars of which are appended.

Particulars of Certificate now held.				Place and Date of Birth of Applicant.
No.	Class and whether Competency or Service.	Date.	Where granted and under what Act.	
.....
.....
.....
.....

I also enclose herewith†.....for the sum of Ten shillings, being the fee prescribed by the Regulations for this application, and the granting of an equivalent certificate under the "Inspection of Machinery Act, 1921."

I am, Sir,

Your obedient servant,

Signature of Applicant.....

†Insert here "Cash," "Money Order," "Postal Note," or "Cheque."

Sixth Schedule.

Western Australia.

Reed.....
Regd. No.....

(OFFICE USE ONLY.)

Inspection of Machinery Act, 1921.

APPLICATION FOR A RECIPROCITY CERTIFICATE.

(Under Section 60.)

Date.....19..

To the Chief Inspector of Machinery,
Perth.

Sir,

1. I beg to apply for a *.....Certificate, and I enclose my existing certificate as herein described, together with documentary evidence of experience, and testimonials as to sobriety and general good conduct.

*Insert here class of certificate required.

2. I also enclose herewith†.....for the sum of One pound, being the prescribed fee for this application and the granting of a Reciprocity Certificate.

3. Copies of Certificates and Testimonials are attached hereto for record purposes, and originals of same are forwarded for perusal and return.

I am, Sir,

Your obedient servant,

Signature of Applicant.....

Postal Address.....

Note.—In order to save inconvenience and delay, each applicant is requested to carefully peruse and rigidly adhere to the Regulations relating to the certificate applied for before forwarding his application.

†Insert here "Cash," "Money Order," "Postal Note," or "Cheque."

(To be carefully filled in and signed by Applicant.)

STATEMENT OF PARTICULARS.

1. Name of Applicant (in full)	1.....
2. Place of Birth of Applicant (town and country.) Date of Birth	2.....
3. State class of engine or boiler you have driven or been in charge of, giving internal diameter of cylinder. If a winding engine state whether first motion or geared, and type of brakes. In the case of a boiler, mention type and approximate dimensions. State where above were erected ...	3.....
4. Name and address of any person to whom reference may be made, if necessary, for verification of above particulars.	4.....

Applicant to state hereunder particulars of Certificate submitted herewith.

No.	Class, and whether Competency or Service.	Date.	Where granted.	By whom granted.
.....
.....
.....
.....

STATUTORY DECLARATION TO BE MADE BY APPLICANT.

I,....., of....., in the State of Western Australia, do solemnly and sincerely declare that the above is a true and faithful statement of the particulars required, and I make this solemn declaration by virtue of Section 106 of "The Evidence Act, 1906."

Made and signed before me, at....., }
 this.....day of....., } Signature.....
 19....

.....

Magistrate or J.P.

IMPORTANT.

1s. Revenue Stamp to be affixed by applicant.

Seventh Schedule.

FEES.

	£	s.	d.
Fee to be paid with application for any certificate, other than an Interim, a Transfer, a Reciprocity Certificate as defined in Regulation 40, or a Copy which are provided for hereunder	0	10	0
Fee to be paid on the granting of a Winding, or First Class Certificate of Competency	1	10	0
Fee to be paid on the granting of a Second Class Certificate of Competency	1	0	0
Fee to be paid on the granting of a Third Class Certificate of Competency	0	15	0
Fee to be paid on the granting of a Locomotive and Traction Engine-driver's Certificate of Competency (or Locomotive Engine-driver's Certificate only)	1	10	0
Fee to be paid on the granting of a Traction Driver's Certificate (only) of Competency	1	0	0
Fee to be paid on the granting of a Crane and Hoist Driver's Certificate of Competency or Service	1	0	0
Fee to be paid on the granting of an Internal Combustion Engine-driver's Certificate of Competency or Service	1	0	0
Fee to be paid on the granting of a Boiler Attendant's Certificate of Competency or Service	0	10	0
Fee to be paid for application and the granting of a Reciprocity Certificate as defined in Regulation 40	1	0	0
Fee to be paid for application and the granting of an Interim Certificate	0	10	0
Fee to be paid for application and the granting of a Transfer Certificate	0	10	0
Fee to be paid for application to have a restriction removed from any restricted certificate	0	10	0
Fee to be paid for granting of a certificate in lieu of the restricted one	0	10	0
Fee to be paid for granting of a first copy of any lost or destroyed certificate	0	10	0
Fee to be paid for granting of any subsequent copy	0	15	0
Fee to be paid for making a true copy of testimonials (if required)	0	2	6
Fee to be paid for copy of Engine-driver's regulations, including postage	0	1	0
Fee to be paid for copy of Inspection of Machinery Act, 1921, and Regulations	0	2	6

Note.—For all fees remitted, a receipt on the official machine-numbered form should be obtained in every instance, and no other will be recognised.

If fee paid by cheque bank exchange must be added.