

licensee shall upon receiving notice from the Minister substitute therefor electric lines covered in the manner prescribed by the first part of this clause.

- (c.) Bare low-pressure wires which at any portion of their length are carried bare on the same poles or supports as high-pressure lines or extra-high-pressure lines shall be deemed to be "infected" throughout their entire length by such high-pressure or extra-high-pressure lines, and shall be subject to the regulations governing high-pressure and extra-high-pressure lines respectively.

5. DURATION OF LICENSE.

This license shall, unless sooner determined in accordance with the provisions hereinafter expressed, continue in force for a period of forty-two years from the date hereof. Upon the expiry of the said term, or upon the sooner determination of this license by revocation or otherwise, all rights hereby granted to the licensee shall thereupon cease and determine; but such expiration or determination shall not relieve the licensee of any liability theretofore incurred under this license.

6. REQUIREMENTS OF TAIERI COUNTY COUNCIL.

Notwithstanding anything hereinbefore contained, the licensee shall not be entitled to erect, maintain, or use any electric lines within the Taieri County, except subject to such conditions, not inconsistent with the provisions of this license and the regulations relating thereto, or any variation of this license or the regulations or new regulations which may take the place of these regulations, as may from time to time be agreed upon between the licensee and the Taieri County Council.

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

License authorizing the Wellington City Council to erect Electric Lines from the Tramway Trolley-wire to the Premises of Messrs. A. S. Paterson and Co. (Limited) on the Hutt Road, Thorndon, Wellington.

LIVERPOOL. Governor-General.

ORDER IN COUNCIL.

At the Government Buildings at Wellington, this eighth day of January, 1919.

Present :

THE HONOURABLE W. H. HERRIES PRESIDING IN COUNCIL.

WHEREAS by section two of the Public Works Amendment Act, 1911, it is provided that no person shall lay, construct, put up, place, or use any electric line except under the authority of a license issued to him by the Governor-General in Council under that Act :

And whereas the Wellington City Council (hereinafter referred to as the "licensee") desires to erect electric lines from the tramway trolley-wire in Sar Street to the premises of Messrs. A. S. Paterson and Co. (Limited) on the Hutt Road, Thorndon, Wellington (hereinafter referred to as "the said electric lines"), and it is expedient accordingly to issue a license in respect thereof under the said section :

Now, therefore, in pursuance and in exercise of the powers conferred on him by the said section, and of all other powers in anywise enabling him in this behalf, His Excellency the Governor-General of the Dominion of New Zealand, acting by and with the advice and consent of the Executive Council of the said Dominion, doth, subject to the conditions set forth in the Schedule hereto, hereby authorize the said licensee to erect and maintain the said electric lines for the purpose of supplying power to motors having an aggregate capacity of ten horse-power; such electric lines and the position of the premises being indicated in red and blue lines on the plan marked P.W.D. 45158, deposited in the office of the Minister of Public Works at Wellington, in the Wellington Land District.

SCHEDULE.

CONDITIONS.

1. In this license the following words and phrases shall have the meanings hereby attached to them respectively :—

"Earthed" means connected to the general mass of earth in such a manner as to ensure at all times an immediate and safe discharge to earth of electric energy.

"Electric line" means any wire, wires, conductor, or other means used for conveying, transmitting, or distributing electricity for power, lighting, or heating purposes; and includes any instrument, insulator, casing, tubing, pipe-covering, or post enclosing or supporting an electric line, or anything connected therewith.

"Inspecting Engineer" means and includes any Inspecting Engineer appointed by the Minister to inspect the

works to be constructed or maintained by virtue of electric-line licenses issued under the Public Works Act, 1908, and any or all of its amendments, or under any one or more of such amendments only, or any Act or Acts passed in amendment thereof or substitution therefor.

"Minister" means Minister of Public Works.

"Telegraph" includes telephone.

"Telegraph line" has the same meaning as "electric line" in the Post and Telegraph Act, 1908, and also includes all telegraph, telephone, and electric signalling wires belonging to the Government Railways Department.

2. The conductors shall not be less than 7/18 S.W.G. hard-drawn copper wires, firmly attached to porcelain insulators, and erected on supports placed not more than 150 ft. apart. The positive conductor shall be covered throughout, and the covering may consist of vulcanized indiarubber or of triple braiding thoroughly impregnated with weatherproof compound. The negative conductor may be bare.

3. The conductors shall be carried on substantial and durable supports, which shall be designed to have a factor of safety of four in the case of steel, iron, or ferro-concrete, and five in the case of wood, calculated upon the ultimate strength of the material, assuming the wind-pressure to be 20 lb. per square foot upon a plane surface and 12 lb. per square foot upon a diametral plane upon a cylindrical surface.

4. The conductors shall not in any part thereof be at a less height than 18 ft. from the surface of the ground.

5. A single-pole fuse cut-out shall be inserted in the positive conductor, and arranged to operate with an overload of 100 per cent. above the rated full load of the circuit. Such fuse cut-out shall be placed in a suitable locked or sealed receptacle of fireproof construction fixed at a convenient height on the pole nearest the point where the positive conductor leaves the trolley-wire or feeder. At the distributing-point of a lighting circuit there shall be inserted in the positive conductor a single-pole switch, together with a fuse arranged to operate with an overload of 50 per cent. above the rated full load of such circuit. In a motor circuit there shall be provided, in the immediate vicinity of each motor connected thereto, a double-pole switch and fuse cut-out or circuit-breaker arranged to operate with an overload of 50 per cent. above the rated full load of the motor so controlled. Each motor shall be fitted with a no-volt release and a series resistance.

6. The negative conductor shall, in a lighting circuit, be continuous throughout its length from the lamps to the tramway-rail, to which it shall be effectively bonded, and in a motor circuit from the switch terminal to the tramway-rail, to which it shall be effectively bonded.

7. At telegraph-line crossings the conductors shall pass over or under, as may be decided by the Minister of Telegraphs. In every crossing-span the maximum tension in any conductor shall not exceed one-half the elastic limit of the conductor under the conditions of a minimum temperature of 32° Fahr. and wind-pressure as specified in clause 3 occurring simultaneously. Efficiently earthed guard-wires, to the satisfaction of the Minister of Telegraphs, shall be erected where such protection may be considered necessary by the Minister of Telegraphs, and earth-wires where led down poles shall be protected by a casing for a distance of 8 ft. from the ground. Guard-wires shall be carried on substantial supports at a height of 2 ft. above the said electric lines if the telegraph lines pass over the said electric lines, or 2 ft. above the telegraph lines if they pass under the said electric lines. In addition to the above precautions, telegraph lines shall be suitably insulated if deemed necessary by the Minister of Telegraphs. The cost of all necessary guard-wires and special provisions required to comply with this clause, or deemed to be necessary as a protection to telegraph lines generally, shall be borne by the licensee when the telegraph lines are erected before the said electric lines. In cases where the said electric lines are erected before the telegraph lines the licensee, on receipt of notice from the district Telegraph Engineer of the Post and Telegraph Department, or his deputy, that it is proposed to run a telegraph line along the route, shall forthwith make the necessary changes required to comply with this clause at any points at which the said electric lines already cross such routes, the cost of such changes being borne by the Post and Telegraph Department.

8. No work of any nature shall be erected or constructed upon, over, or under any part of the New Zealand Government Railways until the licensee has obtained the consent of the Minister of Railways thereto, as required by section 4 of the Government Railways Amendment Act, 1910 (No. 2).

9. The construction of the works hereby authorized shall be substantially commenced on or before the 1st day of February, 1919, and shall be completed on or before the 1st day of December, 1919.

10. The licensee shall, prior to the completion of the said works, give to the Minister at least seven days' notice in writing of the estimated date of such completion.