

amination, shall pay the sum of five dollars for such examination. Each certificate shall have force and effect for the term of one year, unless sooner revoked for cause, and for each renewal the sum of one dollar shall be paid. The inspector shall not issue in any case a certificate to a person of intemperate habits, however skillful he may be.

(b) Every person who has had charge of an engine or boiler to which this Act applies at the time of the passing thereof, for the period of ten years prior to the time of the passing hereof, shall upon the payment of a fee of five dollars to the inspector, and upon furnishing proof of such service and of good character from his employers, be entitled to receive a second class certificate.

13. Every inspector appointed under this Act shall have power to revoke the certificate of any engineer in his district, if the person holding the same shall have committed any act or acts that shows him to be unworthy, incompetent or intemperate; but such person may appeal from the decision of the inspector to the Minister of Agriculture.

14. No person shall employ another as engineer, and no person shall serve as engineer unless the person serving or as employed as engineer is then licensed by an inspector as aforesaid, and any one who violates any of the provisions of this section shall be liable to a penalty not exceeding two hundred dollars, and not less than fifty dollars.

15. All moneys collected for certificates or renewals under this Act shall be paid to the inspector who issues the certificates, and who shall remit the same to the Provincial Secretary, together with a statement showing the names and addresses of the persons paying the same.

16. All prosecutions under this Act may be brought before any of Her Majesty's justices of the peace in and for the county in which the offence was committed, and in cities, towns and incorporated villages where there is a police magistrate, before such magistrate.

17. Every inspector shall keep a true record of all boilers inspected, and all repairs ordered by him, of all boilers condemned by him as unsafe, of all accidents to boilers in his district whether by explosion or otherwise, of all casualties in connection with boilers in his district.

18. Whenever any licensed engineer or inspector shall discover that the boiler he is operating has become weakened or unsafe, he shall at once notify the proprietor, owner or manager of the fact, and demand that they be repaired and made safe. If the owner, proprietor or manager shall refuse or neglect to have the needed repairs made, the engineer or inspector shall at once notify the board of inspectors of such refusal or neglect.

19. The board shall thereupon order a thorough inspection to be made, and, if said boiler proves on inspection to be unsafe, the proprietor or manager shall forthwith have the needed repairs made, and any owner, proprietor or manager who shall attempt to operate any boiler after such inspection, before having the needed repairs made, shall on conviction be fined not less than \$ nor more than \$

20. Any boiler operated at a pressure of fifteen pounds or less to the square inch, shall not come under the provisions of this Act, except those under sidewalks in cities or towns.

21. On the occurrence of an explosion from any boiler to which this Act applies, notice thereof shall be sent within twenty-four hours thereafter, to the inspector within whose jurisdiction the explosion took place, by the owner or by the user, or by the person acting on behalf of the owner or user.

22. The notice shall state the precise locality, as well as the day and the hour of the explosion, the number of persons injured or killed, in addition to the purposes for which the boiler is used, and generally the part of the boiler that failed, and the extent of the failure, and such other particulars, if any, as the Lieutenant-Governor-in-Council may from time to time require.

23. If default is made in complying with the requirements of this section, the person in default shall on summary conviction be liable to a fine not exceeding one hundred dollars.

24. On the receipt of a notice of a boiler explosion the inspector shall fully investigate the causes and circumstances attending the explosion, and such investigation shall be held at or as near the place of such explosion by the said inspector, in such a manner and under such conditions, as the Lieutenant-

Governor-in-Council may from time to time deem most effectual, for ascertaining the causes and circumstances of the explosion, and for enabling the said inspector to make the report hereinafter mentioned.

25. The inspector making such investigation with respect to any boiler explosion shall present a full and clear report to the Minister of Agriculture, stating the cause of the explosion, and all the circumstances attending the same, as shown by the evidence, adding thereto any observation thereon, or on the evidence, or on any matters arising out of the investigation, which they may think right to make.

26. In the case of an explosion taking place on any stationary boiler for which the owner or user has not obtained a certificate of fitness, from an inspector under this Act, or from an inspector of a duly incorporated boiler insurance company, and any persons killed or injured thereby, or any property destroyed or injured, the owner or user of such boilers shall prima facie be deemed guilty of negligence, and liable for any injury occasioned by such explosion, and the onus shall be on the owners or users of the said boilers, to show that all reasonable and proper precautions had been taken to prevent such explosion or accident.

27. Provided that no part of this Act, except section 26, shall be deemed to apply or to affect the operations of steam engines or boilers, upon any farm for threshing, or other agricultural purposes.

28. For every inspection and certificate thereof under the provisions of this Act, the inspector shall be entitled to receive from the owner or user of a boiler a fee of five dollars. If two boilers are inspected at the same time a fee of eight dollars, and if three boilers are inspected at the same time a fee of ten dollars, and for each additional boiler inspected a fee of two dollars more.

MCLACHLAN ELECTRIC AND GASOLINE MOTOR CO., TORONTO.

Users of power do not need to be introduced to J. C. McLachlan, formerly of the Toronto Electric Motor Co., Ltd., and will be interested in the departure which he has made by adding the manufacture of gasoline engines, both marine and vehicle types, to the electric motors which he has successfully supplied for many years. The vehicle shown in the illustration



tion is equipped with one of these motors and weighs complete less than 500 lbs. These engines can be applied to owners' traps. When equipped with base this motor is valuable for use as a small stationary engine. The marine type is very light, and weighs under 175 lbs. for 3 h.p. It has been installed in a launch 21 feet by 5 feet, for T. E. Cuffe, of the Empire Cloak Co., Toronto, and is said to afford the most complete satisfaction in every way. All particulars may be had of the builders, The McLachlan Electric and Gasoline Motor Co., 94 Adelaide street west, Toronto.

C. F. McGill, mechanical superintendent of the Canadian General Electric Co., Peterborough, Ont., has moved his family from Schenectady, N.Y., to Peterborough.