

ELECTRIC RAILWAY DEPARTMENT.

ISLE OF MAN TRAMWAYS.

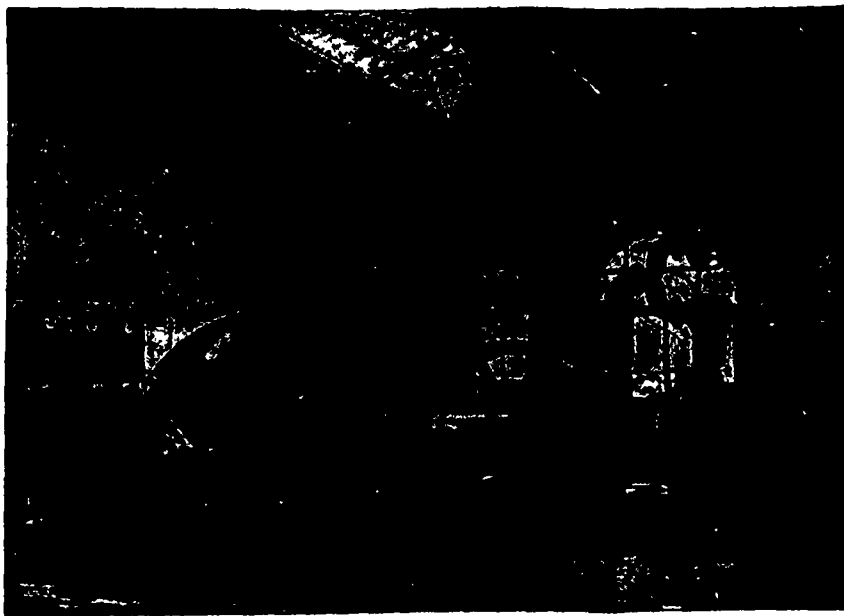
THE Isle of Man is the gem of the Irish Sea. It is only 33 miles long and 12 miles wide, but every acre of its green, gorse-grown hills and rugged coast line is beautiful, and the quaint Manx language and customs which still survive make it doubly interesting to the visitor. It is situated almost in the centre between England, Ireland and Scotland, and being within easy reach, by swift steamers, of Manchester, Liverpool and Glasgow, has become a favored summer resort.

Douglas, the principal town, situate on a beautiful bay, has a fixed population of about 30,000, which in summer rises to about 50,000. Every steamer from Liverpool and other ports, of which there are several daily, bring hundreds who spend a few hours, days or weeks in this lovely spot. One of the chief attractions is the beautiful glens which indent the coast line, running up into the interior of the island between the hills.

The Isle of Man Tramways Co., which operates an

throughout the extensive system. The illustration represents the interior of the largest and most complete power station at Ballaglass; it contains two 150 k.w. electric generators manufactured by the Electric Construction Co., of Wolverhampton, England, directly connected to two 250 h.p. tandem compound condensing Robb-Armstrong engines, manufactured by the Robb Engineering Co., of Amherst, N. S., Canada, for Messrs. Dick, Kerr & Co., of London, who were contractors for the equipment. The station is also provided with two standard Galloway boilers and Ledwards electrically driven ejector condensers. Adjoining the power station is a large accumulator power house—the whole making one of the most complete railway power houses in Great Britain.

All the work of the Ramsey extension, including road bed, electric lines and power stations, was engineered by the company's most efficient staff of engineers. Mr. Alexander Bruce, manager of Duabel's Bank, is chairman of the company, and with his usual energy and persistence has done much to advance its interests. Dr. Farrell, one of the original owners of the tram car lines in Douglas, is also an active director.



INTERIOR OF POWER STATION, BALLAGLASS, I. O. M.

extensive system of cable and electric tramways in Douglas, has recently extended its electric line from Douglas to Ramsey, the next largest town in the island. The tramway runs around the precipitous cliffs overlooking the sea, skirting the beautiful Groulle, Laxey and Ballaglass glens. This drive, about 14 miles in length, winding in and out in full view of the sea, in an open electric car on a bright summer day, is superlatively beautiful and most invigorating.

The recently completed extension of the I. O. M. tramways is a fine example of modern railway building and electrical construction. It is double tracked throughout, the road bed is rock ballasted, and the bridges and culverts are of solid masonry. The overhead trolley is used, all the details of electric work being of the latest and best design and construction. Two large accumulator stations are used to equalize the load and assist the cars over the steep grades.

The motive power of the tramway is supplied from five power stations placed at various convenient points

power house is located at Bond Lake, about 18 miles from Toronto, and it is the intention to close up the old station at North Toronto.

The Nelson Street Railway Co., of Nelson, B.C., have elected the following officers: F. W. Peters, president; T. J. Duncan, vice-president; T. C. Duncan, secretary; C. S. Drummond, Emile Gareke, W. A. Macdonald and J. Laing, stock directors. A contract for the electric equipment of the road has been given to the Canadian General Electric Co., of Peterboro', Ont. The power house will be built at the eastern boundary of the city.

Dr. N. H. Edgerton, of Philadelphia, the inventor of the high tension storage battery, is building a factory at Hamilton for their manufacture in Canada. Work on the building is progressing. A temporary building, however, has been obtained, in which the immediate requirements in that line will be manufactured as soon as they can put the machinery in place. This means another electrical industry for Hamilton, which will employ about 50 men. The equipment of electrical instruments and switchboards was given to the Royal Electric Co., who are to have the same in operation within two weeks. Storage batteries for street railway purposes are to be the speciality of this concern, and with the advent of the electric carriages an immense field will be opened or this class of apparatus.

SPARKS.

The Winnipeg Street Railway Company will likely build new car barns next year.

The Rock Lake Mining Co., of Thessalon, Ont., will likely construct an electric railway from Bruce Mines to their mine.

Promoters will apply at next session of parliament for incorporation of a company to construct a railway between Ottawa and Brockville, to be operated by either steam or electricity.

The first passenger car of the Metropolitan Electric Railway Company ran into Newmarket on Saturday, September 5th. Cars are now running regularly, covering the distance of 30 miles in one and one-half hours. The new