

EFFECTS OF THE RECENT STORM AT HAMILTON.

AFTER the experience through which they have recently passed, the citizens of Hamilton should be able to appreciate, at something like their true value, the advantages conferred by the modern street railway, electric light, telegraph and telephone systems. The unusually destructive snow and sleet storm which passed over that city in December completely demoralized for a time all these electrical agencies. The accompanying illustration will show even better than a lengthy description the chaotic condition which the electrical companies were called upon to face in Hamilton and throughout the western peninsula. The transmission lines between Hamilton and Niagara and west to Sarnia and Windsor were badly crippled. One

ELECTRIC LIGHT AND POWER INSTALLATION.

WHAT is doubtless one of the most complete and conveniently arranged electric plants operated by water power has recently been put in operation at Sherbrooke, Que., by the Sherbrooke Gas & Water Company. The new plant was designed to largely augment their facilities for supplying electric light and power, there being an increasing business in sight, one contract, for example, being the electrical driving of the machinery in the new shops of the Quebec Central Railway in Newington. During last fall their water power was re-developed, the two Leffel vertical wheels being replaced by two 40-inch horizontally set Crocker turbines, and their lighting machines by two 300 k.w. S.K.C. Royal Electric generators, these being belted direct to the



VIEW ON HUGHSON STREET, HAMILTON, SHOWING EFFECT OF THE RECENT SLEET STORM.

of the telegraph officials applied a rule to a No. 8 fallen wire at Burlington and found the diameter, inclusive of the coating of ice, to be $4\frac{1}{2}$ inches, and the weight about 8 lbs. to the foot. It was impossible that even the best constructed lines could withstand such a burden, so that in the sections where the storm raged most severely there was a total collapse. Mr. A. B. Smith, superintendent of construction, and Mr. C. P. Dwight, of the G. N. W. Telegraph Co., Mr. L. B. McFarlane, superintendent of the Bell Telephone Co., and Mr. Homer Pringle, division superintendent of the C.P.R. Telegraph Co., were early on the scene with a large corps of linemen summoned from various directions. As soon as possible temporary lines of communication were strung, to serve until a permanent restoration of the lines could be effected. This will involve much time and an expenditure running high up into the thousands.

water wheel shaft, and the consequent loss by gearing and jack shaft transmission obviated. The company's station, so prettily situated on the rocky little island, has been enlarged and improved. The imposing marble switchboard, the large and nicely finished generators on the main floor, with elbow opening off containing the wheel case and pulleys, within the light and roomy station building, give evidence of the company's determination to be in the front rank in these days of improvement, and reflect great credit on Mr. Sangster, their able and efficient superintendent.

The construction and installation of the water power machinery as a whole was placed in the hands of the Jenckes Machine Co., of Sherbrooke, and the finished work reveals an excellent example of progressive ideas and good workmanship. Two 40-inch Crocker turbines in horizontal setting are contained in one steel case, 10 feet in diameter and over 20 feet in length, and are