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**THE TORONTO ELECTRIC LIGHT COMPANY'S NEW STATION.**

THE accompanying illustration represents the new buildings and plant of the Toronto Electric Light Company. They consist of spacious engine and dynamo rooms, boiler house and office. The offices, as seen in the cut, front the Esplanade at the corner of Scott street. On the ground floor are the public offices, manager's office, private room and lavatory; on the second floor is a large room used as a board-room, library, with spiral staircase to tower, laboratory and instrument room, and clerk's

weighed over three tons, the interstices of the piling being filled with broken stone and cement. Upon the lower courses of large stones the engine and boiler foundations were built, and are found after a year's use to be as firm and solid as ever.

The smoke-stack was built on a similar foundation, poles being driven as close together as possible over the whole area. Difficulty was found here, as there was only about two feet of loose mud over the rock, not enough in some cases to hold the piles down in the ten feet of water that was over it. Now that the entire work is completed, however, its solidity and freedom from



private room. The interior finish is all quartered oak, polished, which presents a very handsome appearance. The dynamo room immediately in rear of the offices contains the power generators for the 250 and 500 volt systems on the main floor, with smaller dynamos for arc lighting on a raised platform over the shafting. The whole is driven by the pair of compound vertical Corliss engines of one thousand horse power, of which we gave an illustration in a previous number. Further on is the boiler house, of brick, containing four water tube boilers of 250 h. p. capacity each, with accommodation for double that amount. The brick chimney shaft is 22 feet square at the foundation and 125 feet in height, having a square flue parallel from bottom to top, 8 feet on each side. The foundations for boiler and engines are of the most massive character, and required considerable skill in their design and execution, as the whole had to be built on the mud bottom of the slip, and at the same time the depth of water had to be maintained in the dock alongside. As the slip could not be filled up, piles were driven to the rock and cut off by a specially designed circular saw about two feet below the water. On these massive stones were laid, some of which

vibration leaves nothing to be desired. The advantages in being at the headquarters of fuel supply and having unlimited water at command for boiler supply and condensing purposes, far more than compensate for the extra difficulty and expense of obtaining a good foundation.

The extension of the company's wharves to the new line afford abundant room for coal storage and a pole yard, the size being 600 by 140 feet. The whole of the work, including foundations and superstructure, was designed by and executed under the immediate supervision of the manager of the company, Mr. J. J. Wright.

The recent storms are said to have cost the Bell Telephone Company about \$45,000 for repairs to their system in Eastern Ontario.

The town council of Carleton Place, Ont., have been considering the question of granting a bonus of \$20,000 and exemption from taxes for 15 years, to Messrs. T. W. Ness & Co., of Montreal, for the purpose of inducing them to remove their manufactory to that place. Application is to be made to the Ontario Legislature for authority to carry out the undertaking. A condition of the bargain is that Messrs. Ness & Co. must employ constantly an average of 100 hands.