

enough to be seen from any part of the building. It is not necessary for the attendants to go to the switchboard, but they can see the state of the various circuits at any time, and wherever they may happen to be. Behind the wall constituting the board is a slate shelf, extending the entire width, to accommodate a standard ammeter or other testing instruments, which can be plugged in any circuit at any time by means of spring-jacks in each line. In each line also is a polarity indicator to ensure the correct direction of the arc lighting currents. The whole is surmounted by an electrically-driven cock, also built of brick, with a dial 6 feet in diameter.

Immediately adjoining this building, and forming the front premises, as seen at the left-hand of the engraving, is another fire-proof structure, which will be used as store-rooms for all kinds of supplies and show-rooms for incandescent fixtures, etc., and a completely fitted up meter department having all the latest appliances for repairing, reading and testing the various kinds of meters in use in the business. No. 1 boiler-house has

re-erection. It is now a frame iron-clad structure, lined inside and on all the joists and timbers with sheet-iron. It is intended to replace it as soon as the weather permits with an iron and brick structure to match the others. The foundation work is now all completed and ready for the walls. As it is proposed to replace the building without interfering with the operations going on inside, considerable ingenuity will have to be exercised to avoid stoppage of the machinery for any considerable length of time. The building contains a double upright tandem condensing engine of 1,000 h.p., besides dynamos of all classes, arc light alternating and direct-current power machines, besides a pair of 110-volt machines that are supplying the underground mains of the Edison system in conjunction with the generators at the Teräulay street station of the company. At one end of the building is located the general switchboard controlling the entire output of electricity for all purposes. One attendant thus has under his hand the output from all the buildings except the arc light.



3,000 H.P. ENGINES IN No. 1 STATION, TORONTO ELECTRIC LIGHT CO.

also been re-built, and has an iron roof with swinging sash for light and ventilation. This boiler-room contains three Heine water tube boilers of 250 h.p. each, and 10 return tubular boilers of 120 h.p. capacity each. No. 2 boiler-house, opposite, has two 250 h.p. Heine boilers, and two 250 h.p. Caldwell water tube boilers, with capacity for as much more.

Station No. 3 is a handsome fire-proof building, with iron roof and stained-glass windows. It is used for production of electricity for motor power and incandescent lighting. It contains two pairs of vertical Corliss engines of from 1,000 to 1,500 h.p. each. These are shown in the engraving. At the time the views were taken the ornamentation of the building was not completed. The brick walls which are shown bare, are colored a cream tint, with chocolate-colored dado and frieze. There are four dynamos only in this building, but they are machines of great capacity. Two of them being direct current 250-volt generators of 500 kw. each, and two double armature alternators of 450 kw. each. The air pumps of these engines are driven by independent Corliss engines, and make a very complete and satisfactory arrangement. The dimensions of this building are 80 feet by 68 feet.

Station No. 2, which is the building immediately in rear of the offices, shown on the right of the view, is now in course of

At the further end of the lot is a spacious wharf on which will be erected for the opening of navigation an extensive coal storage plant and electric hoist for unloading vessels. Adjoining this are the stables with accommodation for 30 horses, linemen's quarters, lamp inspectors' and trimmers' room, carpenter shop, store-house, blacksmith shop, and a commodious machine shop, where a large amount of manufacturing is being carried on, as well as all the repair work necessitated by the operations of the company.

When the contemplated improvements are finished, the entire installation will be one of the most complete and up-to-date to be found in the country. The entire work of re-building has been done by day labor by the employees of the company, even to the construction of the iron roofs. The design and execution of the various works are creditable to the management and the efficient staff having charge of the various branches of the work.

While the air is charged with rumors of so-called "cheap power" and various schemes, "fake" and otherwise, are being promulgated, the Toronto Electric Light Company are steadily proceeding with their developments. They are, it is claimed, producing power at the present time quite as cheaply as it can be transmitted from Niagara or any water-power, and the con-