

position of transformers, and up to date there are about forty of these in use in sizes from 30 to 200 horse power, with several more in process of manufacture. The motors are of the induction type, self starting under all conditions of load, and without collector rings or brushes. At present about 2,300 horse power is utilized to drive electric motors and supply arc and incandescent lighting in all parts of the works. The majority of the motors, excepting those greater than 75 h.p., are suspended from the ceiling on solid supports, thus economizing floor space, and are belted to line shafting, doing away with the long belt drives previously necessary.

In a new mill just completed all the machinery will be operated by induction motors ranging in size up to 250 h.p.

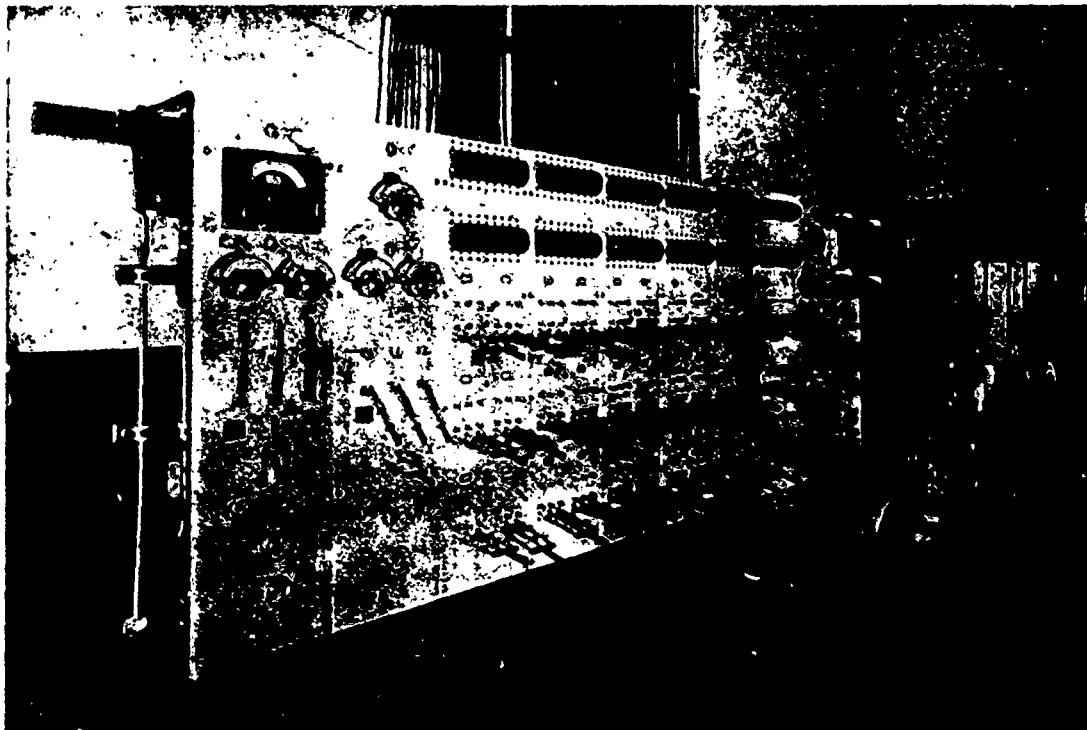
SWITCHBOARD.

In one end of the power house is situated the switchboard, of which a view is shown. It consists of ten white marble panels

wheel pits constructed. An extension will also be built to the power house which will contain the switchboard. From this switchboard the entire installation throughout the works will be controlled.

When completed this will be one of the most extensive electric industrial installations on the continent, having a total capacity of 5,400 horse power. The complete electrical apparatus was manufactured and supplied by the Canadian General Electric Company, of Toronto, to whom great credit is due. Prominent engineers have pronounced the use of electricity as applied at the Montreal Cotton Company's works to represent the foremost progress in electrical science.

After a cursory inspection of the manufacturing plant of the company the party were invited to partake of luncheon which had been provided in an adjoining building. About 1 o'clock the train was again taken for Montreal, after the thanks of the association had been tendered to the Montreal Cotton Company



MONTREAL COTTON COMPANY'S PLANT—GENERATOR AND FEEDER PANELS.

mounted on an angle iron frame. The two outer panels at each end are the machines panels, each containing the necessary instruments and switches for operating the generators. From the remaining six panels the complete installation of motors and incandescent lights are controlled. If space permitted, more might be said of the interesting features of this switchboard.

DIRECT CURRENT PLANT.

In another building is situated a direct current plant supplying a small portion of the lighting. There are seven Edison generators belt connected to a line shaft driven by a 54-inch vertical Hercules wheel, developing 105 h.p.

PROPOSED ADDITION.

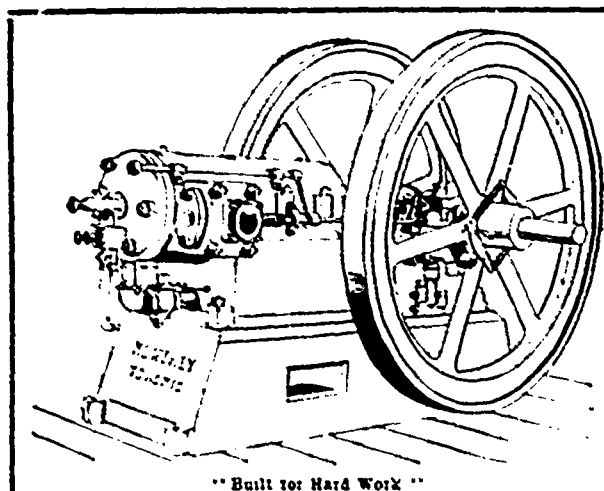
Excavating was in progress for a large extension to the main power house, and it was learned that it is the intention to install two 1200 kilowatt Canadian General Electric three phase generators similar in type to those already installed. These will also be direct connected to McCormack turbines. For this increased installation the head race will be extended and two

General Electric Company and the Canadian General Electric Company.

The Standard Chemical Company, of Deseronto, Ont., have recently installed an electric lighting plant in their factories. The apparatus was supplied by the Canadian General Electric Co.

The Canadian General Electric Company are installing one of their standard 120 kilowatt single phase alternators for A. Gagnon & Co., of Victoriaville, P.Q. This is the second machine of this size and type which this company have installed during the past year.

The Toronto Branch No. 1 of the Canadian Association of Stationary Engineers will hold their Thirteenth Annual Banquet at Webb's Parlours, Yonge and Melinda streets, Wednesday evening, October 18th (Thanksgiving Eve). Tickets \$1.00; for sale by Committee, A. M. Wickins (chairman), Geo. Thompson (sec-treas.), G. C. Mooring, J. Huggett, A. Stour, H. E. Terry, and any of the members.



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