

It is expected that the repairs to the Chambly dam will be completed by September 1st, and the current turned on for Montreal.

The Du Lievre telephone line has been built as far as Notre Dame de la Salette and Pottimore. There are now five stations on the line.

A. A. Thresher, president of the Dayton, Ohio, Electrical Machinery Co., has visited Brantford and other places in Ontario, looking for a site for a Canadian branch.

The contract for the steel conduit for the Ontario Power Co.'s works at Niagara Falls amounts to \$315,000. It has been awarded to the Jenckes Machine Co., Ltd., of Sherbrooke.

In enlarging the power-house at Fort William, an excavation for the new boiler-room was made alongside the present power-house. The wall bulged out and the foundation of the boiler-room gave way from the shifting of the soil, a few days ago, leaving the town in darkness for two or three nights.

The city council of Winnipeg is going on with its plans for a municipal telephone system. The city clerk is C. A. Brown. The act to enable the city to utilize the water of the Assiniboine river for power purposes has passed the Dominion house, so that Winnipeg will soon have its municipal power plant as well.

The Light & Power Committee of the Orillia Town Council has recommended the acceptance of the tender of the Westinghouse Company for the extra electrical machinery, and that of the Wm. Hamilton Co., of Peterboro, for the hydraulic machinery required for increased power to be installed at the Ragged Rapids plant. The amount of the two tenders is \$30,569.

Contracts have been awarded for an addition to the Orillia power plant, at Ragged Rapids, as follows: Hydraulic machinery, the Wm. Hamilton Co., Peterboro, \$9,250; electrical apparatus, the Westinghouse Electrical Co., \$21,319.14. H. Von Schon, of Sault Ste. Marie, who examined the tenders, also advises that careful measurements and gaugings of the Severn River be made.

Geo. H. Pierce of the Stromberg-Carlson Telephone Co., of Chicago, is visiting Ontario. This company has received the contract for the new switchboard for the Merchants Telephone Co., of Montreal, whose equipment, as recently mentioned, is being completely reorganized and will soon be ready for operation by the company, which acquired the charter a few months ago.

On the section between Brockville and Montreal the Grand Trunk has installed the new combined system of telegraph and telephone on trial. The system has been used on two or three railways in the United States, and has been favorably reported on. Such a system will be a great step in advance, since almost everyone can use a phone, while comparatively few railway men understand telegraphy.

Manitou Telephone Co. has been formed at Manitou, Ont., with a capital of \$25,000. Construction will begin as soon as the route has been determined. The Industrial Review of Fort William says all the mining companies in the Manitou, as well as a large number of individual shareholders have become interested. The business men in Wabigoon have also subscribed, and it is intended to extend the line east.

The Hamilton Electric Light & Cataract Power Company's steam power station at Hamilton, which will be used as an auxiliary to its water-power plant at De Cew Falls, 34 miles distant, is to be equipped with the following machinery recently ordered from the Westinghouse Electric & Manufacturing Co.: two 1,000-kilowatt, two-phase, 2,400 volt, 8,000 alternation, engine-type generators, each driven by a vertical Corliss engine furnished by the Goldie & McCulloch Co., of Galt, one 50-kilowatt motor-generator exciter set for these alternating-current generators, consisting of one 75-horse power, two-phase, 400-volt, type C induction motor and a 50-kilowatt, 125 volt, compound-wound, engine-type generator, constituting a two-bearing set; also a switchboard consisting of two generator panels. In the receiving station of the Hamilton Light and Power Company, which

adjoins the auxiliary steam power station in Hamilton, will be installed six 500-kilowatt, oil-insulated, self-cooling Westinghouse transformers with transformer panels, stepping down the current from 20,000 volts or 40,000 volts, three-phase to 2,400 volts, two-phase. The two engine-type alternators mentioned above will be operated in parallel with the secondaries from these transformers. For the water-power station at De Cew Falls, the Westinghouse Company will furnish two 5,000-kilowatt, three-phase, 2,400-volt alternators, which will be direct coupled to water wheels that are being built in Italy; two 100-kilowatt motor-generator exciter sets, each consisting of a 150-horse-power 2,400 volt, type C induction motor, and two 100-kilowatt, 70 volt, direct-current, compound-wound, engine-type generators, constituting three-bearing sets; five 2,500-kilowatt, oil-insulated, water-cooled transformers, transforming from 2,400 volts, three-phase to 22,500 or 45,000 volts three-phase; together with the necessary switchboards to control the apparatus recently ordered as well as that already installed in the station, aggregating eight separate switchboards with a total of eighteen panels, these to be equipped with type F instruments and types C and B oil switches throughout.

—In a list of 36 principal articles imported into Canada last year, 26 show larger importations from the United States than from Great Britain, and 10 show larger importations from Great Britain than from the United States. The 10 articles in which the United Kingdom supplies a larger share of the Canadian imports than does the United States are: cotton manufactures, flax and hemp manufactures, silk manufactures, wool manufactures, tin and manufactures thereof, earthen and china ware, spirits and wines, tea, wool, and "fancy articles." Of the articles of which the United States furnishes a larger supply than does Great Britain, the principal ones are manufactures of iron and steel, wood and its manufactures, coal and coke, breadstuffs, chemicals, fruits, provisions, live animals, tobacco and its manufactures, paper and its manufactures, and electrical apparatus.

Industrial Notes.

The plant of the Canadian Rubber Co., of Montreal, is to be remodelled and improved.

The Buffalo Meter Co. has moved into its large new factory, and the address is now No. 290 Terrace St.

Kalbfleisch Bros. are building a new bicycle and automobile factory at Stratford, pressed brick, 48 x 60, three stories high. It is to be ready for operation in the autumn.

William Jessop, of the Jessop Steel Works, Sheffield, having concluded his visit of enquiry to Canada, will recommend his company to establish a Canadian branch.

Automatic scales are to be made at Amherst, N.S. The Maritime Heating Co. is to turn them out in the meantime till the Automatic Scale Co. has a plant of its own.

The Canadian General Electric Co., Toronto, and the Waterous Engine Works, Brantford, have contributed \$500 and \$400, respectively, towards the cost of equipping the new engineering laboratory at Queen's, Kingston.

The Smith & Hemenway Co. have enlarged their New York office, 296 Broadway, more than three times its original size, and they invite Canadian visitors to the new sample room, where courtesies will be shown them by the staff.

Among recent orders for Little Giant Turbines placed with J. C. Wilson & Co., Glenora, Ont., is one from A. B. Lees, Fallbrooke, Ont. for a 33-inch vertical, also one from Copeland & Zeigler, of Salem, Ont., for a 21-inch vertical of the deep bucket pattern.

The capital of the Massey-Harris Co., Toronto, has been increased from \$5,000,000 to \$8,000,000; that of the Auer Incandescent Light Manufacturing Co., reduced from \$500,000 to \$100,000; that of the Huron Lumber Co., increased from \$40,000 to \$75,000.