"WINNIPEG'S HYDRO-ELECTRIC DEVELOPMENT."

The above name has been adopted by the city of Winnipeg for its big electrical plant, located at Point du Bois, on the Winnipeg River, 72 miles north-east of the city.

Winnipeg's big power plant will be finished and in operation in June, 1911, and, while it is a difficult matter to state exactly what the municipal power will be sold for, I may say that the by-law authorizing this expenditure of $3,250,000 set forth the following estimated schedule:—

(a) When the first 17,000 horse-power is developed the price at sub-station is to be $18 per horse-power per annum.

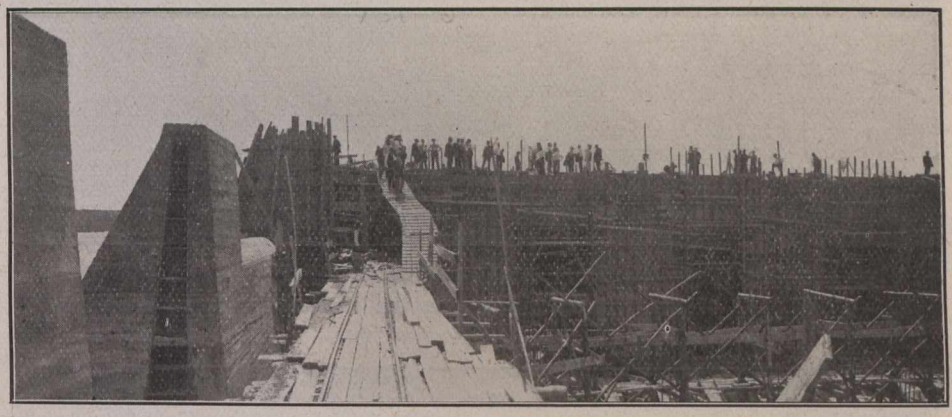
(b) When the demand allows for an additional 17,000 horse-power to be installed the price is to be $16.66 per horse-power per annum.

Twenty thousand horse-power machinery is now being installed in five huge machines, each using 75,000,000 gallons of water every twenty-four hours, and each weighing 150 tons; power to be transmitted to Winnipeg at 60,000 volts over two independent circuits of aluminum cable ⅝-inch in diameter.

Five thousand two hundred horse-power turbines being manufactured in Sweden and England, and generators being supplied by a Sheffield firm.

All electrical control and all auxiliary apparatus being manufactured in Canada.

There has already been excavated 88,000 tons of rock and 25,000 cubic yards of concrete have been laid. There are 450 men engaged excavating and in building concrete works.



Canal Wall adjoining East End of Power House.

(c) When the full capacity of the present works are put in operation—60,000 horse-power—the charge per horse-power is to be $12.50 per horse-power per annum.

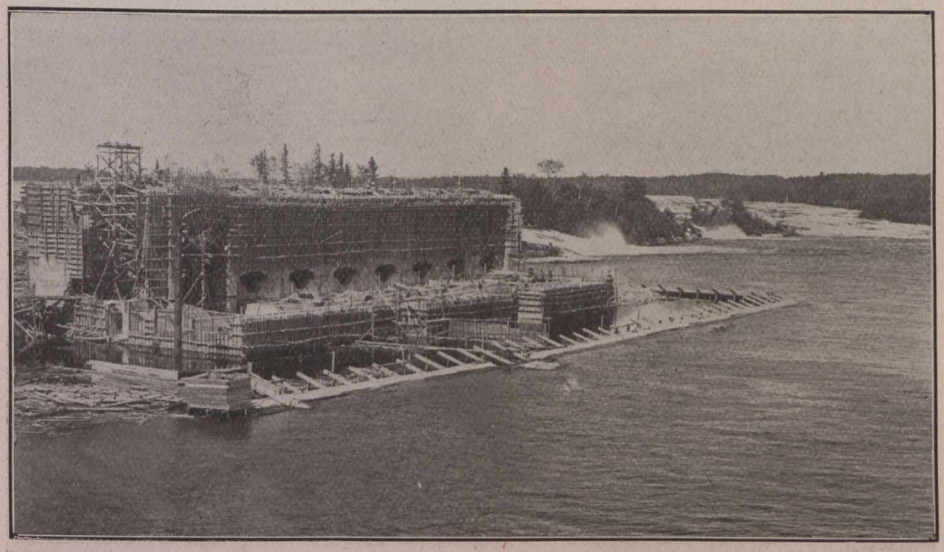
At the present time manufacturers are guaranteed that the price will be as low as in any other city in the West, including Port Arthur and Fort William.

The Winnipeg River, that supplies the water to Winnipeg's power plant, drains 50,000 square miles, and in dry weather has as large a flow as the Ottawa.

The water fall (naturally 32 feet) is increased by dams to 47 feet.

The total power available, without storage, is 60,000 horse-power. The "Mill Pond" contains 6,000 acres at the waterfall.

An $85,000 terminal station of red brick, trimmed with Bedford stone, is now being built in Winnipeg, and Sub-station No. 2 is being built on McPhillips Street, costing $12,000. Contracts have been let for an underground con-



View of First Section of the Big Municipal Power House, where 60,000 Electric Horse-power will furnish the City Of Winnipeg with Cheap Power and Light.

duit on King Street and on Higgins Avenue to carry 12,000 volt cable between the terminal and sub-stations. The city has recently purchased a central property for Sub-station No. 1 on King Street, near Notre Dame Avenue. The estimated cost of work, including generating station, transmission line and terminal station, all completed and equipped, is $3,250,000, and the expenditure to June 1st, 1910, has been $1,360,000, which shows a saving under estimated cost on this portion of $350,000. The city owns its right-of-way to the plant, which is 100 feet wide and 77 miles