The switch-board is located at the north end of the plant, together with the motor generator exciter sets. The oil switch and disconnecting switch gallery is directly above, while above that again is the lightning arrester and transformer gallery.

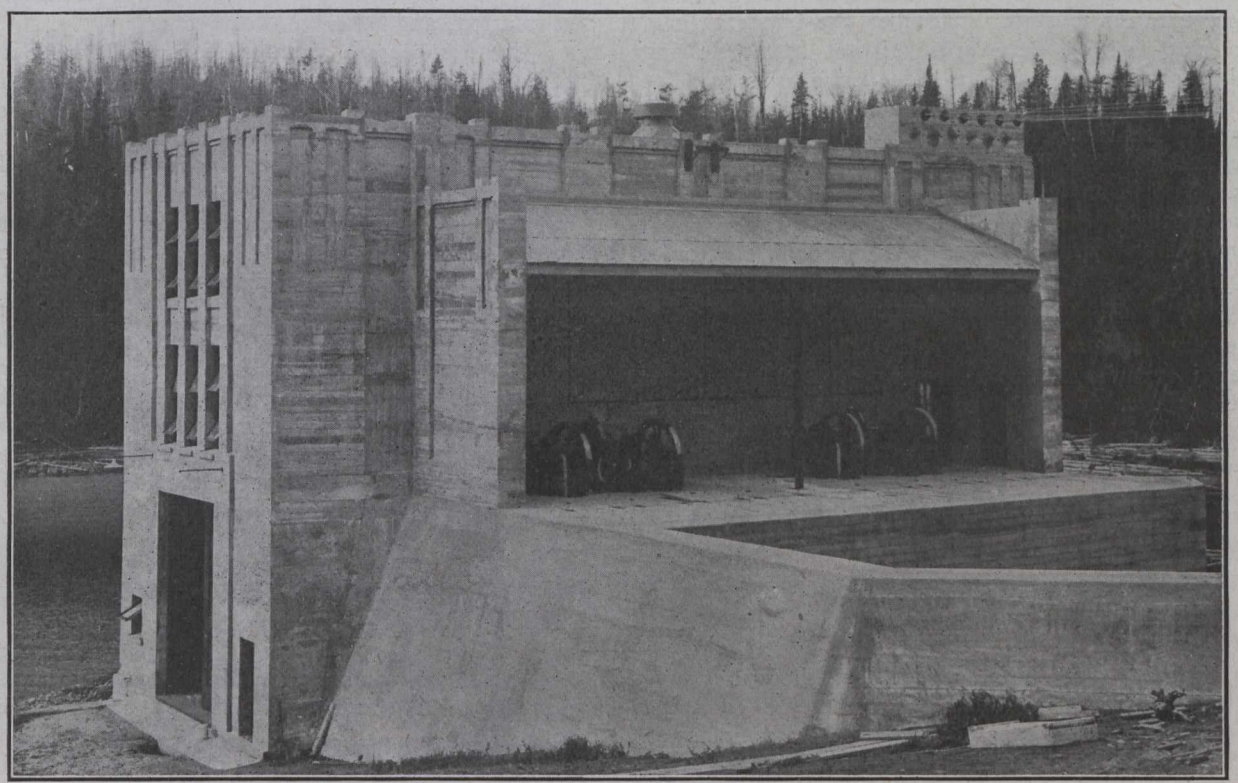

**Fig. 2.—Power House, Forebay and Motor-operated Intake Gates at Fountain Falls, Ont.**

This station operates in parallel with the Hound Chute, Ragged Chutes, and Matabitchouan stations belonging to the same company.

The Northern Ontario Light and Power Co. was organized in 1911 to take over the properties of the Cobalt Power Co., Limited, and its subsidiary companies, and the Cobalt Hydraulic Power Co., Limited. The company also acquired the property of the Cobalt Light, Power and Water Co., Limited, and, on October 1st, 1912, took over the business of the British Canadian Power Company. The company serves a population of about 20,000 people in the municipalities of Cochrane, Haileybury, Timmins, Sturgeon Falls, New Liskeard, Porcupine, South Porcupine, Cobalt, and the surrounding mining district, with electricity for power and lighting. It owns and operates a hydraulic air compressor plant on the Montreal River of about 5,000 h.p. under the Taylor hydraulic air compressor patents, for which system it has exclusive rights within a radius of 20 miles of Cobalt. Its hydro-electric developments consist of four plants with a total capacity of about 18,500 h.p. in addition to a number of steam-driven plants aggregating about 1,250 h.p. The system is served by about 170 miles of transmission lines.

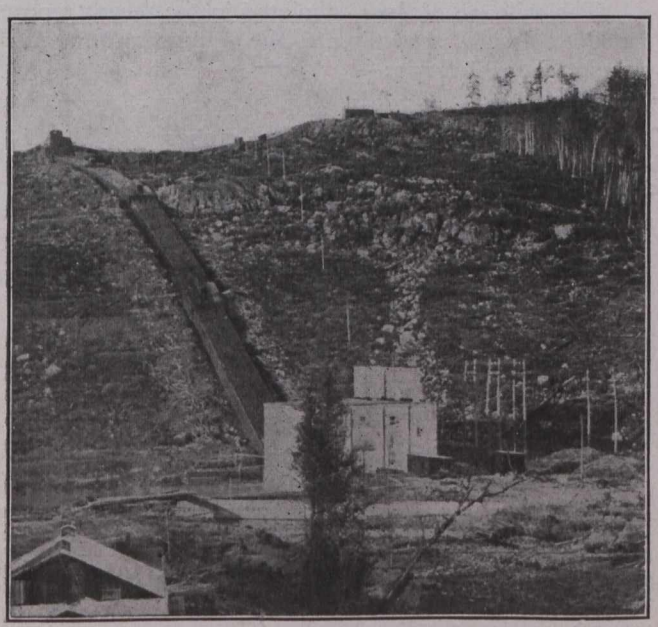

**Fig. 3.—Matabitchouan Power House and Penstocks, Northern Ontario Light and Power Co., Limited.**

## SEWAGE DISPOSAL SCHEMES FOR EDMONTON.

Edmonton is considering four different sewage disposal schemes, prepared by the city engineer, Mr. A. J. Latornel, and involving expenditures varying from $588,000 to $761,000. Three of the schemes, estimated to cost $613,000, $675,000 and $761,000, provide for four plants at different points on the river (North Saskatchewan) for receiving and treating the sewage. The fourth scheme calls for three plants, and for a tunnel under the river to carry the South Side sewage to the North Side plants for treatment. All four schemes propose a plant on the river bank at the foot of 101st Street, to cost $50,000 on property owned by the city. This plant will likely be the first to be constructed as it is common to all schemes under consideration. Its immediate construction has been recommended by the public works committee.