

A 60-kw. motor generator is provided as an auxiliary exciter to those direct connected to large units.

A complete lubricating system is installed, comprising three direct connected motor-driven pumps and pressure, drain and filter tanks. A motor-driven oil compressor supplies air for oil pressure and power for operating brakes.

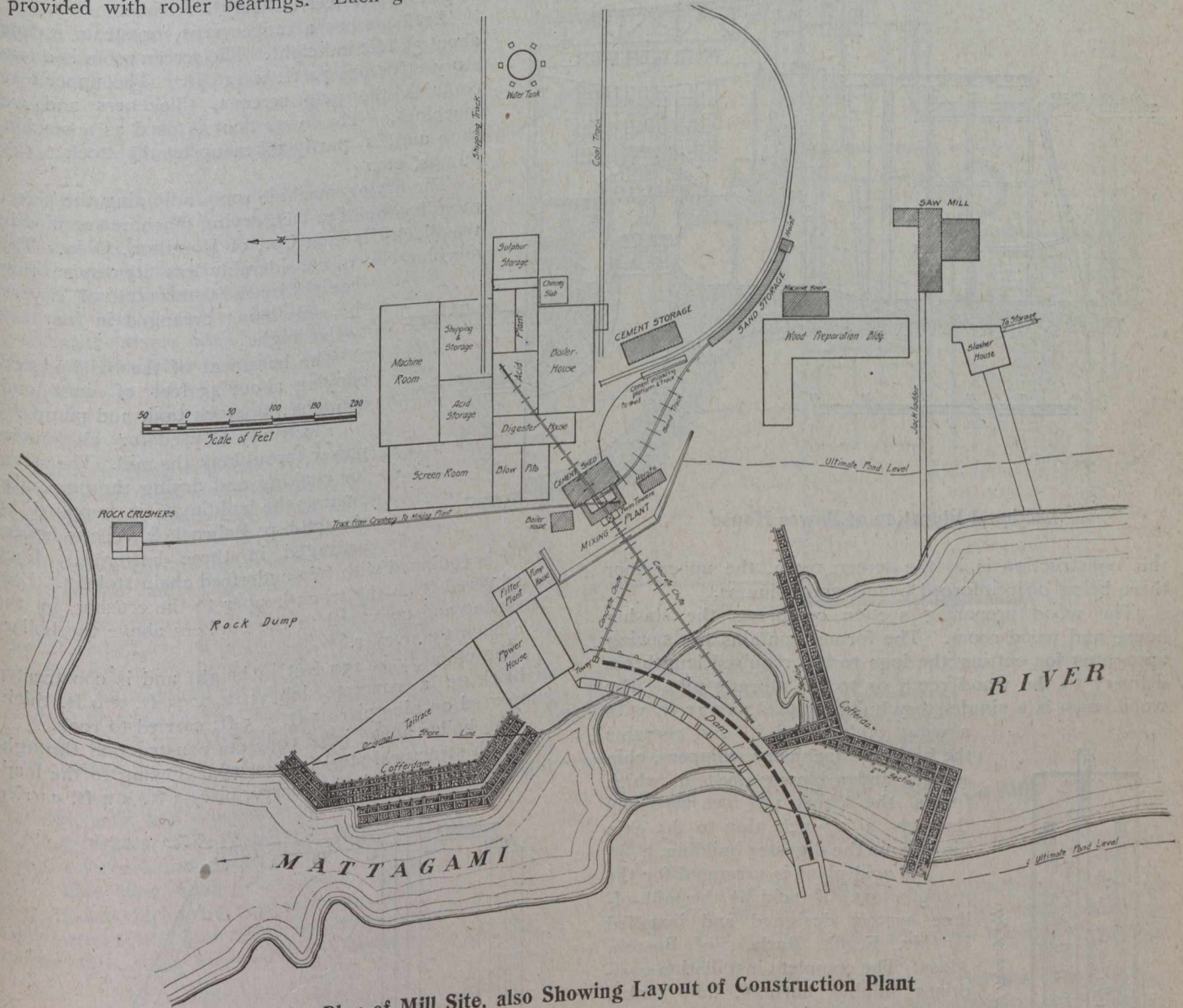
The turbines were supplied by the I. P. Morris Co., of Philadelphia, Pa.; generators and switchboard by the Canadian General Electric Co., of Peterborough, Ont.

The water is controlled at each intake by a steel gate provided with roller bearings. Each gate is connected

This was similar in type to the one built to unwater above the falls.

Owing to the very irregular nature of the rock bottom, depth and swiftness of the water, the cribs were placed with considerable difficulty. Soundings showed 45 feet of water at the outside of the structure, at which depth the divers had much difficulty in placing the sheeting, being handicapped by the current and darkness.

In order to protect the sheeting from the force of the current and logs, a second cribwork was constructed outside to act as a breakwater. A space of 6 or 7 feet left



Plan of Mill Site, also Showing Layout of Construction Plant

to a worm gear lifting apparatus which is operated by a motor.

The drive shaft is so arranged that gates can be handled singly or together.

The intakes are fitted with two sets of steel racks, also emergency stop-log guides. Outside of the headworks a structural steel framework supports the outer racks and the deck in front of the building.

Before building construction could proceed it was necessary to excavate about 20,000 cubic yards of rock to provide sufficient depth for the installation of draft tubes and for forebay and tailrace. As the excavation for the power house and tailrace had to be carried below the water level a cofferdam was constructed around the site.

between it and the cofferdam was used to contain clay puddle. To complete the unwatering two centrifugal pumps were installed to pump out the site of the excavation.

Pulp Mill

The present capacity of the mill is 100 tons of dried pulp every twenty-four hours, the ultimate capacity being 150 tons, which will be attained by the installation of another digester and blow pit.

The group of buildings comprising the plant consist of a wood preparing department, acid plant, digester building, blow pits, screen room, drying machine room and boiler house.