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discussion as possible at earliest date.

The Canadian Society of Civil Engineers.

INCORPORATED 1887.

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ELECTRICAL EQUIPMENT FOR CORNWALL CANAL.

By F. H. LEONARD, Jr.

(Read before the Electrical Section, 24th March, 1904.)

The electrical equipment for the Cornwall Canal is supplied with current from the power house of Mr. M. P. Davis, near Mille Roches, on the Cornwall Canal. Messrs. T. Pringle & Son were the engineers and the electrical equipment was installed under the personal supervision of the writer.

We have fully described the hydraulic and generating equipment for this plant in the "Canadian Engineer" and in the "Electrical World and Engineer," but to obtain a comprehensive grasp of the complete plant we will again recite some of the particular features in connection with it.

The plant is situated just below the lower dam on the Cornwall Canal, near the Village of Mille Roches, and takes water from the upper level, which is an artificial lake made by the construction of a dam across the former river bed. The tail water empties into the old river bed which was left dry—except at certain seasons of high water—by the construction of this dam. There is obtained by this means a head, under ordinary circumstances, of about thirty feet, but on account of high back water the plant was designed for operation temporarily on a minimum head of eighteen feet.