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discussion as possible at earliest date.

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TORONTO'S EXPERIENCE WITH CONDUITS,

With ~~the~~ Description of Methods Adopted in Laying the
6-Foot Steel Conduit.

By C. L. FELLOWES.

(Read before the Annual Meeting, January, 1906.)

In the year 1872, an Act was passed authorizing the city of Toronto to construct water works.

The Commissioners, after consulting Messrs. T. C. Keefer, of Ottawa, and E. G. Chesbrough, of Chicago, decided to adopt the plan recommended by them, viz., to construct a filtering basin on the south shore of the Island in the vicinity of the Light House, located about 80 feet back from the shore line. This basin was constructed some 2,700 feet in length parallel to the shore with an arm running inland a distance of about 400 feet. The dimensions were 24 and 80 feet, bottom and top widths, with a depth of 13.6 inches below zero level of lake. A 4-foot wooden conduit conveyed the water a distance of 6,000 feet to a connecting crib at Hanlan's Point; from this crib it was carried to the engine house well at the foot of John Street, through 4,095 feet of 3-foot cast iron flexible jointed pipe. This work was completed in 1875.

An attempt was made during the winter of 1875, between November and December, to ascertain what quantity of water the basin could supply by filtration. In making this test the water