

mains. The estimates of the Waterworks Department include the following: Renewals—house services, \$5,000; Rosehill reservoir, \$500; main pumping station, \$11,400. Construction—house services \$5,000; laying short lengths of water-mains, valves, and hydrants, \$5,000; waste prevention, \$10,000; 92 new meters, ½-in. to 4 in., \$2,350; concreting Rosehill reservoir, \$20,000; new 10,000,000 pump for main station, \$55,000. In the Works Department there are placed the following sums for roadways and sidewalk repairs: macadam road repairs, \$22,600; gravel road repairs, \$7,700; cedar block repairs, \$8,000; reconstructing street intersections, \$2,000; general repairs to unimproved roadways, \$3,000; asphalt pavement repairs, \$7,000; repairs to pavements between street railway tracks, \$15,000; stone and wooden crossing repairs, \$2,500; sidewalk repairs, \$22,000; eastern stables, \$4,000; northern stables, \$2,000; Humber bridge, \$13,000; sewage disposal, preparing plans, services of experts, etc., \$10,000; steam road roller, \$3,000; dredging slips, \$5,000; piling, foot of Cherry street, \$2,000.

FIRES.

Residence near Brighton, Ont., owned by W. H. Walter; practically insured.—Opera house at Nanaimo, B. C.; loss \$20,000, insurance \$10,000.—Building at 122 and 124 Adelaide street west, Toronto, occupied by Douglas Bros., roofers, and Elliott & Brooke, paper box makers, and owned by the Canada Loan and Permanent Co.; loss on building, \$30,000.—R. P. Butchart's dwelling at Shallow Lake, Ont.; insurance, \$3,000.—W. E. Saunders & Co.'s, wholesale drug warehouse at London, Ont., completely gutted.

CONTRACTS AWARDED.

BERLIN, ONT.—Putting down pipe wells: Fraser & Hardy, of Petrolia, contractors, at \$2.55 per foot, complete; tenders ranged up to \$3 25.

KINGSTON, ONT.—The tender of W. Turkington, representing the Standard Drain Pipe Co., of St. Johns, Que., has been accepted for the supply of sewer pipe.

HAMILTON, ONT.—The Good Roads Machinery Co., of this city, have received an order from the city of Vancouver, B.C., for one of their No. 5 Champion rock crushers, with elevators and screens.

CORNWALL, ONT.—\$55,000 of municipal debentures. H. O'Hara & Co., of Toronto, purchasers, at \$34,303.05.—\$6,633 of local improvement debentures: W. H. Brouse, Toronto, purchaser, at premium of \$152.

TORONTO, ONT.—Chas. Rogers & Sons Co. have been awarded contracts for mahogany office fittings of Ontario Bank, corner Yonge and Richmond streets, and stair-case in Telegram building, corner Bay and Melinda streets.

LONDON, ONT.—Supplying pipe and laying mains for city: Harding & Leathorn, successful tenderers. Prices: Four-inch mains, 36 cents a foot; six-inch, 51½ cents; eight-inch, 75 cents; iron pipe, \$26.50 a ton; special castings, 2¼ cents a pound.

MUNICIPAL DEPARTMENT

WATER WORKS EXPROPRIATIONS IN CANADA.

By WILLIS CHIPMAN, C.E.

The following is a list of the cities and towns in Canada that have from time to time acquired their waterworks systems by purchase or by arbitration from the private companies that owned and operated the the works, and the price then paid by the municipality:

Montreal, P.Q.	1845	\$250,000
St. John, N.B.	1855	
Halifax N.S.	1861	275,000
Toronto, Ont.	1873	220,000
Kingston, Ont.	1887	121,000
Niagara Falls, Ont.	1884	17,000
Valleyfield, P.Q.	1887	
Brantford, Ont.	1888	65,000
Owen Sound, Ont.	1890	55,000
*St. Cuneogonde, P.Q.	1891	
*St. Henri, P.Q.	1891	
Brockville, Ont.	1892	138,000
Vancouver, B.C.	1894	
Kincardine, Ont.	1894	40,000
Moncton, N.B.	1894	265,000
Chatham, Ont.	1895	145,000
Cornwall, Ont.	1897	86,500
Sherbrooke, Que.	1897	116,000
Barrie, Ont.	1898	78,000
Berlin, Ont.	1898	102,000

In Ontario an Act of Parliament was passed in 1882 empowering cities and towns to acquire waterworks or gas works by purchase or by arbitration. Six towns have taken proceedings under this statute since 1891, and have acquired their works, three by arbitration and three by mutual agreement.

* These works were purchased by the municipalities in 1891, but soon afterwards they made arrangements with the Montreal Water and Power Company for a supply of water, and it is now reported that they are owned by this company.

In the Ontario Act, the word "value" is clearly defined as structural value at the time this value is being determined. Ten per cent. is, however, to be added to this valuation by the arbitrators.

The Ontario Act prescribes two methods of procedure:

(a) The municipality may submit a blank by-law to the ratepayers before an offer has been made or a valuation prepared, which, if carried, empowers the council to proceed with the arbitration or to acquire by purchase.

(b) The municipality may proceed with the arbitration and take up the award, then submit a money by-law to the ratepayers for the purchase of the works.

In either case if the works are not taken over, the municipality shall pay all costs of the proceedings.

Berlin is the only place in Ontario that adopted the first method.

In 1898 New Brunswick passed an act similar to the Ontario Act of 1882, but none of the other provinces have any such legislation.

In the Moncton Act, the word "compensation" was used as well as value, but in the Campbellton Act the word "compensation" did not appear, and "value" is not so clearly defined as in the Ontario Act.

In the following cities and towns the waterworks are now owned and operated by private companies:—

Belleville, Cobourg, Ingersoll, Iroquois, Lindsay, Napanee, Peith, Peterborough, Smith's Falls, Stratford, Trenton and Waterloo, in Ontario.

Aylmer, Berthier, Chicoutimi, Cote St. Antoine, Drummondville, Granby, Huntington, La Chute, Richmond, St. Lambert, and Saint Johns, in Quebec.

Lunenburg, N.S.; St. Stephens, N.B.; Winnipeg, Man.; Calgary, N.W.T.; Esquimault, B.C.; and Nanaimo, B.C.—Canadian Engineer.

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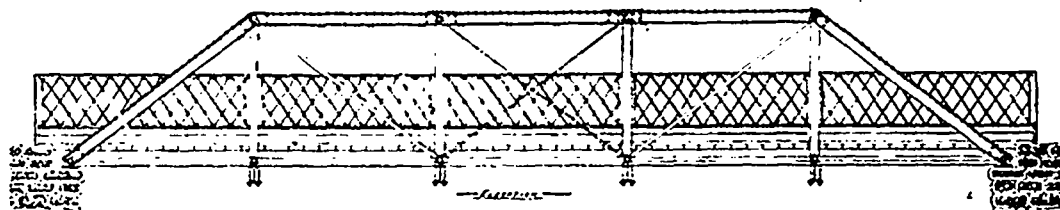
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