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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF CONTRACTING AND MUNICIPAL PROGRESS

EVERY SATURDAY

Vol. 3. Toronto and Montreal, Canada, June 18, 1892. No. 18

THE CANADIAN CONTRACT RECORD,
PUBLISHED EVERY SATURDAY
As an Intermediate Edition of the "Canadian Architect and Builder."

Subscription price of "Canadian Architect and Builder" (including "Canadian Contract Record"), \$2 per annum, payable in advance.
G. H. MORTIMER, Publisher,

14 KING ST. WEST, TORONTO, CANADA.
Telephone 2362.
64 Temple Building, Montreal.
Bell Telephone 2399.

Information solicited from any part of the Dominion regarding contracts open to tender.

ADVERTISING RATES ON APPLICATION.

At its Convention held in Toronto, Nov. 20 and 21, 1889, the Ontario Association of Architects signified its approval of the CANADIAN CONTRACT RECORD, and pledged its members to use this journal as their medium of communication with contractors with respect to advertisements for tenders.

The following resolution was unanimously adopted at the First Annual Meeting of the Province of Quebec Association of Architects, held in Montreal, Oct. 10th and 11th, 1890: "Moved by M. Perrault, seconded by A. F. Dunlop, that we the Architects of the Province of Quebec now assembled in Convention being satisfied that the CANADIAN CONTRACT RECORD affords us a direct communication with the Contractors, resolved, that we pledge our support to it by using its columns when calling for Tenders."

Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publisher of any irregularity in delivery of paper.

TO BUILDERS.

About \$50 worth of Stained Glass to be made up to order, for sale at a discount. Address "Stained Glass," care CANADIAN CONTRACT RECORD.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to Eleven o'clock a.m. on TUESDAY, JUNE 28TH, 1892, for the following works.

SEWERS

On Clinton street, from Barton ave. to Yarmouth road.

CEDAR BLOCK PAVEMENT

On Barton ave., from Palmerston ave. to Euclid ave.

Specifications and forms of tender may be obtained on and after June 21st, 1892, at the office of the City Engineer.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent, on the value of the work tendered for under \$1,000, and 2½ per cent for the value of the work tendered for over that amount, must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications), or they will be ruled out as informal.

The Committee do not bind themselves to accept the lowest or any tender.

JOHN SHAW,

Chairman Committee on Works,
Committee Room, Toronto, June 17th, 1892.

FOR SALE OR TO RENT.

Gas and Water Pipe Foundry (vertical). Capacity 15 tons per day, fully equipped. Valuable franchise of free water and taxes in connection. For particulars apply to

ST. THOMAS PIPE & FOUNDRY CO., LTD.
ST. THOMAS, ONT.

TENDERS

Will be received until JUNE 25TH for the erection of a

Brick Dwelling House on Avenue Road.

The lowest or any tender not necessarily accepted.

GORDON & HELLIWELL, Architects,
Corner King and Victoria Sts., Toronto.

TENDERS WANTED

Tenders will be received by the undersigned, up to THE FIRST DAY OF JULY NEXT, for constructing a

Granolithic or Silica Barytic Stone Sidewalk

on Robinson street, in the town of Simcoe, the superficial area being about 8,000 square feet, said tender to include the cost of preparing the necessary foundations and kerbing. The lowest or any tender not necessarily accepted.

N. C. FORD,

Town Clerk.

Simcoe, 13th June, 1892.

Notice to Contractors

NEW GRAND STAND

ON THE

EXHIBITION GROUNDS

Lump tenders addressed to the undersigned will be received up to 5 o'clock p.m. on Thursday, June 30th, for the erection and completion of a New Grand Stand on the Toronto Exhibition Grounds.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer for the sum of 2½ per cent, on the value of the work must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties or they will be ruled out as informal.

The lowest or any tender not necessarily accepted.

Plans and specifications can be seen at my office.

MARK HALL, Architect,

No. 9 Victoria street, 2nd floor.

TO CLEAN ZINC.—Mix one part of sulphuric acid with twelve of water. Dip the zinc into it for a few seconds and then rub with a cloth.

TO REMOVE GREASE AND SMOKE MARKS PREPARATORY TO PAINTING.—Wash with a solution of saltpetre in water or with very thin lime whitewash. Soapsuds may also be used if thoroughly rinsed with clean water.

CONTRACTS OPEN.

PARKHILL, ONT.—The residents are agitating for a system of waterworks.

TWEEB, ONT.—The bridge over the Moire river was swept away on Tuesday last.

ALMONTE, ONT.—An addition will be added to the knitting factory at a cost of \$27,000.

GLENFARROW, ONT.—Mr. J. Bolt will shortly commence the erection of a new residence.

DAYTON, ONT.—The corner Stone of a new Methodist church was laid on Wednesday last.

BESTON, ONT.—The Village Council want tenders for a system of waterworks. W. J. Bell, Chairman.

EDMONTON, N. W. 1.—The Methodist congregation are taking steps towards the erection of a new church.

SARNIA, ONT.—Mr. Chas. Hand is preparing the site for a new hotel which he proposes to erect on Cromwell street.

FAIRVILLE, N. B.—A public meeting was held recently to discuss the advisability of constructing a system of waterworks.

SEIKIRK, MAN.—The Dominion Government has decided to locate the fish hatchery at this place. A site is now being surveyed.

WOODSTOCK, ONT.—Tenders are being called for the erection of a six roomed brick school house. W. A. Reid, Secretary Public School Board.

CARTIAGE, ONT.—The ratepayers carried a by-law on the 7th inst. to raise the sum of \$50,000 for the construction of a system of waterworks.

CALABOGIE, ONT.—Mr. John L. Box will receive tenders until Wednesday, the 23rd inst., for the erection of a Presbyterian church in this village.

PALMERSTON, ONT.—The Grand Trunk Railway Company intend erecting works here for crosscutting railway tie timber in order to make the ties more durable.

LANARK, ONT.—The ratepayers will be asked to vote on a by-law to raise the sum of \$4,000 for the purpose of purchasing a water power for electric light purposes.

VANCOUVER, B. C.—Mr. A. H. B. Macgowan will receive tenders until Saturday, the 25th inst., for the erection of three 8 roomed brick school houses. Plans at the office of the City Engineer.

OTTAWA, ONT.—E. F. E. Roy, Secretary Department of Public Works, will receive tenders until to-day (Saturday) for the construction of a hot water heating apparatus at Fraserville, Que., post office.

LONDON ONT.—Mr. Buffy architect, will receive tenders until to-day, (Saturday), for the erection of a two-story brick residence on Worthy road for Mr. W. A. Mercer.

PETERBORO', ONT.—The Secretary of the Department of Public Works, Ottawa, will receive tenders until Monday, the 20th inst., for the construction of hot water heating apparatus at the Custom House in this town.

BUCKINGHAM, QUE.—The Town Council have received the sanction of the Lieutenant-Governor to issue debentures for the purpose of constructing waterworks and lighting the town by electricity.

GUELPH, ONT.—Tenders will be received at the office of Messrs. Guthrie & Watt, until Thursday, the 30th inst., for heating by hot water or otherwise, the offices of Guthrie & Watt and A. McKinnon, in this city.

WALKERVILLE, ONT.—Messrs. Himm] Walker & Sons have offered the County Council a grant of \$25,000 and a free site if they will erect the county building in this town. It is probable that the offer will be accepted. The jail buildings will remain in Sandwich.

NIAGARA FALLS, ONT.—The Ontario Legislature has disposed of the electric power rights on the Canadian side of the Falls to the same company who control the American side of the river. Construction will be commenced at once in order to develop the power.

KINGSTON, ONT.—The Free Masons have decided on the erection of a new hall. A committee has been appointed to secure a suitable site. The Board of Trade, at a meeting held on Tuesday, last, decided to take action towards the erection of the proposed elevator.

HALIFAX, N. S.—The City Engineer has prepared a report on the proposed new pipe line. The Council will consider the same at its next meeting in order that the work may be proceeded with.—The extension of the waterworks has been recommended by the Engineer on a number of streets also a sewer on Mantland street.—The City Clerk will receive tenders until the 14th day of July, for furnishing one steam and one chemical fire engine.

TORONTO JUNCTION, ONT.—The Board of Works have recommended that the plans for the widening of Davenport road be accepted and the work proceeded with at once.—The Council have decided to extend the water main along Keele street south, at a cost of \$900.—A committee appointed by the High School Board waited on the Council on Tuesday last, to urge the granting of \$25,000 for the erection of a high school. The ratepayers will be asked to vote on the question.

WINNIPEG, MAN.—Mr. N. Bawlf purposes erecting a new building on the corner of Jemima and Princess streets, part of which will be occupied by the Board of Trade.—St. Augustine church is shortly to be enlarged.—It is stated that the Great North West Central railway will be extended seventy five miles this season. Mr. Foulds will erect a brick building on Main street, between James and Rupert streets, at a cost of about \$2,000.—The Dominion Government have decided to build a new barracks for the mounted rifles.

HAMILTON, ONT.—Mr. Young, President of the Toronto, Hamilton and Buffalo Railway Company, states definitely that the road will now be built. Work will be commenced at this city as soon as the bonus of \$275,000, voted two years ago, is secured by the company, and it is expected the line will be completed by the end of next year.—Building permits have been granted as follows. Opera House Company, alterations to their building, cost \$12,000; Trustees of Zion Tabernacle, Sunday school on Napier street, cost \$3,500.—Brown & McBeath, two-story brick dwelling on Erie avenue, cost \$1,000. Mrs. R. Cloheey, two-story brick dwelling on Grant avenue, between King and Main streets, cost

\$1700.—The Building Committee of the Board of Education have instructed Mr. Edwards, architect, to prepare plans for a three-roomed addition to Barton street school.

VICTORIA, B. C.—The O'Kell & Morris Fruit Preserving Company, have decided to erect a wharf and factory on their property at Rock Bay, at a cost of \$7,000.—The City Engineer has recommended the construction of sewer on View street, at a cost of \$7,000.—The by-law to grant a bonus to the Victoria and Sidney Railway Company has passed its second reading in Council. The estimated cost of the proposed railway is \$500,000.—The Methodist conference have decided to establish a college in this province for the purpose of affording facilities for acquiring education, a committee has been appointed to select a site for a building suitable for such purposes.

MONTREAL, QUE.—L. H. Senecal will receive tenders until Wednesday, the 22nd inst., for the necessary repairs to "Greece" bridge, on Quebec road, Parish of Longue Pointe, Que. Plans at above address.—The Council gives notice of its intention to construct the following works: Permanent paving on St. Hubert street, from Craig to Ontario; St. Lawrence street, from St. Catherine to Sherbrooke; Dorchester street, from Beaver Hall Square to Dominion Square; Wellington street, from St. Etienne street to subway; permanent sidewalks on St. Hubert street, from Dubord to Ontario street; St. James street, from Victoria Square to Windsor street; Ontario street, from Amherst street to St. Lawrence street; Mountain street, from Dorchester street to Sherbrooke street; Windsor street, from St. James street to Osborne street; St. Lawrence street, west side from St. Catherine to Sherbrooke; Notre Dame street, north side from McGill street to Inspector street; Wellington street, north side from St. Columban to St. Etienne.

TORONTO, ONT.—Tenders will be received at Dr. Sisley's, Ellesmere P. O., for the erection of a residence.—The City Engineer has recommended the construction of the following works: Widening of the cedar block pavement on College between Borden street and Palmerston avenue; extension of the Brock st. sewer 200 feet into deep water, cost \$1,700, that tenders be called for the construction of a cedar block pavement, with granite tothing, on a concrete foundation, between the tracks on King street, from Sherbourne street to River street, and on Spadina avenue, from Queen street to Bloor street; the re-advertising for tenders for paving Dundas street, to include the work necessary for railway tracks.—It is said that an agreement has been arrived at between the railway companies regarding the erection of the new union station, and that the work will now be proceeded with.—The Waterworks Committee have decided to ask the Council for an appropriation of \$60,000 for the purchase of another 10,000,000 gallon pumping engine.—The Board of health have selected the site for the proposed isolation hospital. The plans have been prepared and await the approval of the Board, after which tenders will be called for.—New water mains have been ordered on Walmer road, Drummond place, Guelph avenue, Liberty street and Hoskin avenue, at an estimated cost of \$2,000.—The Council have decided to open a road into High Park, by way of Dundas street. The estimated cost including grading and cedar block paving, is \$24,500.—Mr. H. H. Ball, of Balliol avenue intends to erect a new residence in North Toronto.—The authorities of Toronto University have consented to provide a free site for the erection of a residence for lady students.—Mr. Joseph White, flour and feed merchant, corner of Queen and Hamilton streets, intends erecting a new store.—Mr. H. G. Paull, architect, is preparing plans for a large hotel to be erected on Simcoe street. Tenders will shortly be called for. He is also asking for tenders for a brick church to be erected in Walkerville.—Mr. J. H. Lumsden, 18 Catharine st., will shortly erect a brick residence on Wilson avenue, Parkdale, at a cost of \$2,000.—It is said to be the intention of Mr. Robert Hammer, manager of sales department Massey-Harris Co., to erect a brick dwelling house on Shaw street, between Queen and Arthur street.—Mr. W. H.

Pratt, 198 Jarvis street, President of the Conger Lumber Co., intends to erect a fine stone and pressed brick residence on the corner of Bloor and St. George street, to cost between \$15,000 and \$20,000.—The Ontario Government have an option on the Perkins residence, corner of College and St. George street. It is said to be the intention to purchase the property, with a view of making alterations and fitting up for a residence for the Lieutenant-Governor.—Building permits have been granted as follows: W. H. & A. Poole, Hallam st., three pr. s. d. 2-story r. c. b. f. dwelling, e. side Manning ave., cost, \$4,500; David Austin, 54 Bloor st. w., five att. 2-story & mansard bk. dwellings, also one store & dwelling, s. w. cor. Bloor and Borden sts., cost, \$18,000; A. Carmichael, Pearson Bros. agents, alterations to dwellings No. 187-183 Jarvis st., cost, \$4,500; Dr. McIntyre, 148 Bloor st. e., 3-story bk. additions & alterations, to Ladies College, 148 Bloor st. w., cost, \$6,000; Murray & Chichester, 34 Wright ave., two det. 2-story & attic bk. dwellings, 17 & 19 Elm Grove st., cost, \$6,000; Wm. Jerrett, 234 Dovercourt Rd., two det. 2-story & attic bk. dwellings, 172-4 Darling ave., cost, \$10,600.

FIRES.

Messrs. Weir & Morrison's iron foundry, at Stellarton, N. S., was destroyed by fire last week.—The engine works of J. Laurie & Bros. at 14 St. Catherine street, Montreal, were damaged by fire to the extent of \$2,500 on Sunday last.—The residence of Mr. Jones Williams at Merriton, Ont., was burnt on the 11th inst.; loss, \$2,000; insurance, \$500.—The car shops of the Rathburn Company at Deseronto, Ont., were damaged by fire on Tuesday last to the extent of \$15,000. Considerable valuable machinery was destroyed.—The fine residence of Mr. Elisha Broad, at St. Stephen, N. B., was totally destroyed by fire on the 14th inst. Loss, \$8,000; insurance, \$6,000.—The residence of Mrs. Hill, at Eldorado, Ont., was burned on Monday last. Loss, \$3,000.

CONTRACTS AWARDED.

DUNDALK, ONT.—Mr. J. C. Whitten, of Shelburne, has been awarded the contract for the erection of a new Catholic church in this town.

STRATHROY, ONT.—Messrs. Thos. Hopkins & Co. have the contract for building Mr. Alex. McLean's new residence at Mayfair. The cost will be in the neighborhood of \$3,000.

WINNIPEG, MAN.—The contract for the erection of Mr. McLeod's residence on the corner of Edmonton and Broadway streets, has been awarded to Mr. Hugh Murray, at the price of \$6,040.

VICTORIA, B. C.—The contract for the erection of the new Board of Trade building has been awarded to Messrs. Trindale & Burns, their figures being between \$35,000 and \$40,000. The plans were prepared by Mr. A. M. Muir.

WELLAND, ONT.—Mr. N. Hagar has the contract for masonry and Mr. J. E. Cutler for carpentering in connection with the erection of Mr. P. McMurray's new building.—Two tenders have been received for the erection of a brick hospital in connection with the House of Industry, that of G. A. Ellsworth being recommended for acceptance at the price of \$1,673.

PRESTON, ONT.—The Canadian Office and School Furniture Company have been awarded the following contracts: fittings for Imperial Bank, Calgary, and the Guelph and Ontario Investment and Savings Society, Guelph; drug store fittings for F. P. Reynolds, St. Thomas, and W. J. Halpin, Brandon; school desks and opera chairs for new High School, Montreal.

MONTREAL, QUE.—The contract for constructing asphalt pavements on Wellington, Dorchester, St. Lawrence and St. Hubert streets has been awarded to James Cochrane, at \$3.39 per square yard; hauling and laying flags, 31c. per yard, scoria or porphyry blocks along tracks, 31c. excavating, moving and grading tracks, 66c. For the supply of stone Messrs. E. Desormeaux and F. D. Lawrence were the successful tenderers at the following figures: E. Desormeaux, curbstones, 50c. per lineal foot, in three feet lengths; curved,

60c.; in four feet lengths, 49c.; curved, 69c. F. D. Lawrence, scoria blocks, per square yard, \$2.15; sidewalk flags (6x3 feet) \$2.15; extra size, \$2.75; crosswalk flags, 20 inches wide, 57c.; 24 inches wide, 77c. Mr. F. D. Lawrence was awarded the contract for laying stone, at the following prices: curbstone (five sorts and sizes), 19c., 12c., 9c., 19c. and 7c.; flagstone sidewalks (three kinds), 40c., 30c. and 25c.; crossing, 8. and 3c.; scoria blocks, 75c. The supply of stone blocks, was given to Jas. Cochrane at: granite, per square yard, \$4.74; porphyry, \$2.18.

TORONTO, ONT.—The Toronto Construction and Pavement Company has been awarded the contract for asphalt paving and scoria tothing between track on Yonge street, from the north side of Bloor to the north side of Davenport, at the price of \$5,397; Victoria st., from King to Adelaide, at \$4,799; King st. from Simcoe to Bathurst streets, \$25,926; Queen street from Yonge to Bathurst, \$38,995. Robert Grant has secured the contract for cedar, granite and cobble paving between tracks on Queen street, from Brockton road to Roncesvalles avenue, at \$13,971; Queen street from Bathurst to Gladstone avenue, \$21,235; Yonge street, from Davenport road to Cottingham street, \$11,114.—F. McKeown has been awarded the contract for six inch concrete between tracks on King street, Strachan avenue to Bathurst, at \$3,999.—A. W. Godson will supply brick for work west of Yonge street at \$7.45 per thousand, and Taylor Bros. for work east of Yonge street at \$7.50 per thousand.—R. T. Sutton & Co. were awarded the contract for dredging slips at \$7 an hour.—The contract for the supply of cement for the Toronto drill shed has been awarded to Mr. E. D. Morris. From 4,000 to 6,000 barrels will be required.

ROPES FOR SCAFFOLDING.

It has been suggested by a French exchange that, in order to insure greater strength and consequently more safety in ropes used for scaffolding purposes, particularly in localities where the atmosphere is destructive of hemp fibre, such ropes should be dipped, when dry, into a bath containing twenty grains of sulphate of copper per litre of water, and kept in soak in this solution some four days, afterwards being dried; the ropes will thus have absorbed a certain quantity of sulphate of copper, which will preserve them for some time both from the attacks of animal parasites and from rot. The copper salt may be fixed in the fibres by a coating of tar or by soapy water, and in order to do this it may be passed through a bath of boiled tar, hot, drawing it through a tumbler to press back the excess of tar, and suspending it afterward on a staging to dry and harden. In a second method the rope is soaked in a solution of 10 grammes of soap per litre of water. The copper soap thus formed in the fibre of the rope is stated to preserve it even better than tar is capable of doing, which acts mechanically to imprison the sulphate of copper, which is the real preservative in the case.—*Boston Transcript*.

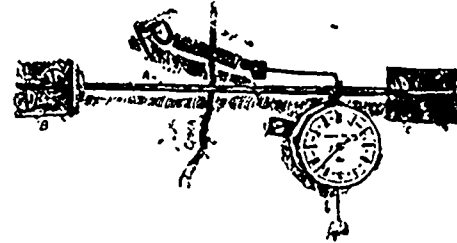
DETECTING MOVEMENTS IN MASONRY BY ELECTRICITY.

E. P. Abbott, chief engineer of the Minneapolis & St. Louis railroad, recently devised an ingenious indicator by which he was enabled to detect movements in a bridge abutment.

After building the south abutment for the Second street bridge in Minneapolis, a crack appeared in the masonry which threatened to be serious. The abutment is very heavy, being 83 feet long and 10 feet thick at the base. The necessity of determining whether the crack was gradually

widening or was remaining stationary led to the construction of the indicating mechanism, which was placed on the abutment as shown in the cut.

On one side of the crack the works of a Waterbury watch were firmly secured, and a short lever was attached to the hour-hand post and connected to the rod A. As will readily be seen the least widening of the crack would be multiplied through the train, and indicated on the dial. A 1-16 inch opening, it may be explained, would cause over one revolu-



tion of the pointer. The spiral spring took up all the slack in the joint between the lever and the long rod, and the weight W, attached to a piece of silk running around the pointer spindle, took up all the slack in the train.

By means of a nut on the inside of the stop B, the end of the rod was brought just to contact with the stop C, and an ordinary battery was connected to form an electrical circuit through this contact. In this manner if there was any movement it would be detected by the aid of the electricity as well as by the indicator proper, thus securing a double test.

The entire cost of the whole outfit was about \$6, and from all accounts it accomplished its purpose very satisfactorily, demonstrating absolutely that the masonry remained stationary for three weeks after the device was put on. The cut is from the *Engineering News*.

MUNICIPAL DEPARTMENT.

FRENCH ROADS.

We had thought that on the whole English roads compared favorably with any in the world, but lately a good deal has been said and written about the excellence of French roads. We are not yet convinced that France can boast over us in this matter, but no doubt there has of late years been a continued improvement in both France and Belgian roads. The British Vice-Consul at Dieppe, in his last report, says that the roads which surround the docks and the national roads which lead out of the town on the east and on the west have been made with an exceptionally good quality of stone, of singular hardness and durability, which was brought from Cherbourg. In fact, it is so hard that it will cut glass. It is broken up into macadam, and forms splendid material for making roads. Her Majesty's Consul at Cherbourg mentioned this stone very favorably in his report for 1890, and its use has proved so satisfactory in Dieppe that the Vice-Consul thinks it might be worth enquiring whether it could be employed on some of our English roads, where a lesson in roadmaking might be learnt with advantage from the French "cantonnier." The material is usually marble, flint, stone

MUNICIPAL ENGINEERS, CONTRACTORS, AND MATERIALS.

or gravel, and whatever is used must be of the best quality and cleansed from all foreign substances. The stone must be broken up so that each piece may pass through a ring 2½ in. in diameter. It is then spread evenly over the road, the interstices being carefully filled in with smaller pieces, so that the whole is smooth and free from abrupt eminences and depressions. A steam roller then crushes and levels the whole, after which a superficial layer of clay and earth completes the work. In Normandy, where the roads are perfect, they are made slightly convex, with a trench on either side, and are diligently scraped to keep them dry. One of the most important ingredients used in roadmaking is a little chalk, which helps to bind and consolidate the macadam or small stones into a firm and hard mass. If too much chalk were used it would render the roads sticky after frost.—*Contract Journal.*

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

ATTORNEY-GENERAL OF CANADA V. CITY OF TORONTO.—By statute 35 Vict. ch. 79 (O.), as amended by 41 Vict. ch. 41 (O.), the corporation of the city of Toronto was empowered in regard to the city water works, to fix the price, rate, or rent which any owner or occupant of any house, lot, etc., in, through, or past, which the water pipes should run, should pay as water rate or rent, whether the owner or occupant should use the water or not having due regard to the assessment and to any special benefit or advantage derived by such owner or occupant or conferred upon him or his property by the water works. The corporation was also empowered to fix the rate to be paid for the use of the water by public buildings. Pursuant to these powers, a by-law of the corporation was passed providing that the half-yearly rates "paid within the first two months of the half-year for which they are due, shall be subject to a reduction of fifty per cent. save and except in the case of government or other institutions which are exempt from city taxes, in which cases the said provisions as to discount shall not apply."

Held, that "government institutions" in the by-law meant government buildings in which some public business is carried on, and were "public buildings" within the meaning of the Act:—

Held, also, that the "price, rate, or rent," paid for the water, was not a tax but merely the price paid for the water supplied to the customer, and that the corporation were not obliged to allow, for water supplied to public buildings, the discount allowed to taxpayers."

The Court of Appeal concurred in this decision.

The Montreal Board of Health has decided to recommend to Council in favor of the appointment of Mr. U. P. Boughier, C.E., to the position of Sanitary Engineer.

Cleveland has gas at 80 cts. per M. ft. as a result of recent litigation between the city and gas companies. A year ago the City Council passed an ordinance reducing the gas rate from \$1 to 60 cts. The gas companies fought it in the U. S. Circuit Courts, claiming that their property

was practically confiscated. After the suit had been on trial for some months a compromise was reached under which gas is supplied at the moderate rate above stated, the company paying besides 6¼% of its gross earnings into the city treasury.—*Engineering News.*

Established 1841.

THOROLD CEMENT

IS RECOMMENDED BY

**ENGINEERS
ARCHITECTS
CONTRACTORS
BUILDERS**

ON ACCOUNT OF ITS EXCELLENT QUALITIES AND CHEAPNESS, BESIDES BEING IN EVERY RESPECT EQUAL TO THE IMPORTED ARTICLE.

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Thorold, Ontario.

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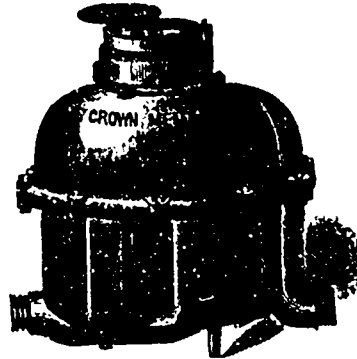
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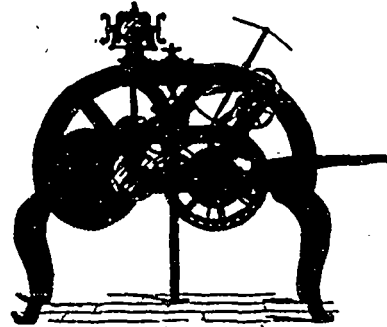


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Large table listing prices for various building materials in Toronto and Montreal, including flooring, brick, stone, slate, and paint.

Table listing prices for cement, lime, hardware, and iron products in Toronto and Montreal.

Table listing prices for iron, steel, and other metal products in Toronto and Montreal.

INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Index listing various advertisements and their locations in the publication, categorized by profession such as Architects, Contractors, and Plasterers.