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# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY THURSDAY

This paper reaches every week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers, Purchasers of Municipal Debentures and leading Contractors in all lines throughout Canada.

VOL. 7.

APRIL 23, 1896

No. 12.

## THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY THURSDAY

As an Intermediate Edition of the "Canadian Architect and Builder."

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G. H. MORTIMER, Publisher,

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New York Life Insurance Building, Montreal.  
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Information solicited from any part of the Dominion regarding contracts open to tender.

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## Notice to Contractors

A new and thoroughly revised edition of the *Canadian Contractor's Hand-Book*, consisting of 150 pages of the most carefully selected material, is now ready, and will be sent post-paid to any address in Canada on receipt of price. This book should be in the hands of every architect, builder and contractor who desires to have readily accessible and properly authenticated information on a wide variety of subjects adapted to his daily requirements.

Price, \$1.50; to subscribers of the CANADIAN ARCHITECT AND BUILDER, \$1.00. Address

G. H. MORTIMER, Publisher,  
Confederation Life Building, TORONTO.

## TO BRICKMAKERS

The Corporation of the Town of Collingwood require from 250,000 to 300,000 sidewalk bricks. Tenders for the same, f.o.b. Collingwood, will be received by the undersigned up till noon on Tuesday, May 12, 1896. Specimen bricks to accompany each tender. The Corporation do not bind themselves to accept any tender.

JOHN HOGG,  
Town Clerk.

April 21, 1896



## Notice to Contractors

### Tenders for Repairing Asphalt Pavements

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to 5 o'clock p.m. on THURSDAY, MAY 7th, 1896, for

### REPAIRS TO ASPHALT PAVEMENTS

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after Thursday, April 30th, 1896.

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 up to \$1,000 and 2 1/2 per cent. on the value of the work tendered for over that amount, must accompany each and every tender, otherwise they will not be entertained.

Tenders must bear the bona fide signature of the contractor and his sureties, or they will be ruled out as informal.

Lowest or tender not necessarily accepted.

DANIEL LAMB,  
Chairman Committee on Works.

R. J. FLEMING,  
Chairman Board of Control.  
Toronto, April 22, 1896.

## Township of Toronto

### NOTICE TO CONTRACTORS

Tenders addressed to Wm. Cook, Esq., Clerk of the Township of Toronto, Cooksville, Ont., will be received by him up to 2 o'clock p.m. of SATURDAY, APRIL 25th, 1896, for the construction of

### TWO STONE ABUTMENTS FOR A STEEL BRIDGE

over the River Credit at the Village of Meadowvale in the Township of Toronto.

Plans and specifications may be seen and all necessary information obtained at the Clerk's office, or at the office of the undersigned, Court House, Toronto. A bond for the due execution of the work will be required. The lowest or any tender will not necessarily be accepted.

By order,

JAS. McDUGALL, C. E., Engineer,  
Court House, Toronto.

## SEWERS

### NIAGARA FALLS, CANADA

Sealed proposals will be received by the Sewer Committee of the Town of Niagara Falls, Canada, until 12 O'CLOCK NOON, WEDNESDAY, 13TH DAY OF MAY, 1896, for the furnishing of all the materials and doing all the work necessary for the complete construction of Sections No. 1 and 2 of the Niagara Falls sewerage system.

The works to be built under these sections, and approximate quantities of the same, are as follows:

#### SECTION No. 1:—

About 2404 feet of 36 in x 48 in Brick Sewer (in part rock excavation), with appurtenances. Two outlets into the Niagara gorge and river, consisting of shafts and tunnels in rock, pipes and chambers, etc.

#### SECTION No. 2:—

About 2431 feet of 18 in. sewer pipe,  
 " 1323 " 15 in. "  
 " 3391 " 12 in. "  
 " 2597 " 10 in. "  
 " 6233 " 8 and 9 in. sewer pipe,  
 including all rock excavation and appurtenances.

A separate proposal must be made for each section and each proposal must be accompanied by a certified cheque for two thousand dollars (\$2,000) payable to the Treasurer of the Town of Niagara Falls, said cheque to be returned to the person making the proposal unless he fail to execute the contract, should it be awarded him.

A bond for an amount equal to forty (40) per cent. of the estimated total cost of the construction of each section will be required by the Town of Niagara Falls for the faithful performance of the same, and the successful bidder for each section, before being awarded the contract, must appear before the Mayor with approved sureties for this purpose. A certificate signed by the sureties must accompany each proposal.

Proposals shall be enclosed in sealed envelopes and addressed "The Sewer Committee, Town of Niagara Falls, Ontario, care John Robinson, Clerk, and endorsed "Proposal for Section . . . Niagara Falls Sewerage System," (No. 1 or 2 as the case may be).

Plans, profiles and drawings may be seen, and specifications, forms of proposal, etc., contract, etc., may be obtained at the office of the Engineer, Bridge Street, Niagara Falls, Canada, on and after Saturday, April 25th, 1896.

The Sewer Committee reserves the right to reject, or to recommend to be rejected, any or all proposals.

CHARLES C. COLE, Mayor.  
WILLIAM COLE, Chairman of Com.  
A. W. MARTIN, Sec etary.

CHARLES H. MITCHELL,  
Engineer.

## CEMENT WALKS

Sealed tenders addressed to the Town Clerk, Berlin, will be received up to noon of the

28th Day of April, 1896,

for the construction of Cement Walks, to be laid by the Town of Berlin in 1896.

Specifications and forms of tender may be obtained from the Town Engineer.

The lowest or any tender not necessarily accepted.

HERBERT J. BOWMAN, Town Engineer. J. HALTZ, Chairman Board of Works.

### CONTRACTS OPEN.

WESTVILLE, N. S.—A company is being formed to erect a machine shop.

SHELBURNE, ONT.—George Hill will erect a brick building this summer.

COATICOOK, QUE.—A. Patenaude will build a dwelling house on the Barford road.

BARRIE, ONT.—A site has been purchased on which a parsonage will be erected.

BRANDON, MAN.—D. W. Beaubier intends shortly to erect a new hotel building.

PORT DOVER, ONT.—The Methodists are considering the advisability of building a new church.

ROCKPORT, ONT.—The foundation has been prepared for the new English church to be erected here.

MITCHELL, ONT.—The congregation of Trinity church will erect a rectory during the coming summer.

PILOT MOUND, MAN.—The English church congregation have selected a site for their new church.

WINCHESTER, ONT.—The ratepayers have petitioned the village council for a grant of \$1,500 for fire appliances.

ST. AMSELENE, QUE.—The Quebec central bridge crossing the St. Frances river has been swept away by floods.

DARTMOUTH, N. S.—The Dominion government will be memorialized to provide railway terminal facilities at this point.

KINGSTON, ONT.—Contracts will be awarded at once for the construction of a large wing to Rockwood hospital for the insane.

ARNPRIOR, ONT. Plans for the new post-office will be received this week, and tenders for its erection will be invited shortly.

THESSALON, ONT.—The Building Committee of the Church of the Redeemer have decided to procure plans for a new building.

ACTON, ONT. Beardmore & Co. are about to build an extensive addition to their tannery. Work will be commenced at once.

WOODSTOCK, ONT.—Plans and estimates of cost for the northern sewerage system have been prepared by William Davis, town engineer. The estimated

cost is \$8,000, and a vote of the rate payers will be taken on the 11th of May to authorize the expenditure.

**ORILLIA, ONT.**—The by-law to raise \$6,000 for increased fire protection was carried by the rate-payers on Monday of last week.

**COLLINGWOOD, ONT.**—The Board of Works have recommended the laying of sidewalks which will cost between \$10,000 and \$12,000.

**BURLINGHAM FALLS, ONT.**—A number of Rochester capitalists will, it is said, erect a summer hotel, cottages and accessories at this place.

**PRESTON, ONT.**—A joint stock company will be formed to erect a rink, either frame or shingle brick, 140 x 70 feet, at a cost of \$3,000.

**HAVELOCK, ONT.**—Tenders for the erection of a Methodist church in this village will be received by Richard Phillips until the 27th inst.

**LANCASTER, ONT.** D. P. J. Tobin is inviting tenders until the 25th inst. for building a new hotel, two stories, balloon frame, and veneered with brick.

**HUNTSVILLE, ONT.** Tenders will be received by Wm. Scott, lot 29, concession 6, Chaffey, until May 1st, for the building of a stone school house 20 x 30 feet.

**ST. THOMAS, ONT.** The City Engineer has been instructed to prepare an estimate of cost of constructing an electric light plant to supply light, heat and power and to operate an electric railway.

**PORTAGE LA PRAIRIE, MAN.**—The plans for the new Methodist church have been prepared by T. C. Silverthorne, architect, and tenders are now being received.

**TRURO, N. S.**—Albert Black has laid the foundation for a residence.—S. S. Pattillo & Co. are erecting a new store and warehouse on Prince street, four stories, 100 x 35 feet.

**TILBURY, ONT.**—Mr. Henry, C. E., of Detroit, is preparing plans for the extension of the waterworks system for this town. The supply will be obtained from Jeanette's creek.

**NICOLET, QUE.**—Four bridges spanning the south-west branch of the river have been carried away by floods, those of St. Bridget, Beauchemins, Guevin and Lafrances, and Therrin.

**STRATFORD, ONT.**—R. R. Lang, city clerk, will receive tenders until Friday, the 1st of May, for the purchase of \$50,000 of debentures, payable in thirty years, bearing interest at 4 per cent.

**SEVERN BRIDGE, ONT.**—The sum of \$1,500 has been granted by the Ontario government towards building a bridge over the Severn river. The county will be asked to grant an additional sum.

**GRAND VALLEY, ONT.**—Whole or separate tenders for erecting a Methodist church here will be received by R. G. Sanderson, Box 100, until Monday, May 11th. Plans may be seen at Dr. Caviller's drug store.

**WIARTON, ONT.**—W. J. Ferguson, Secretary School Board, will receive tenders until Monday, May 4th, for the building of additions to the Warton High School. Plans may be seen at the office of the secretary.

**ST. MARY'S, ONT.**—The question of the construction of a system of waterworks for the town is under consideration by the council. Messrs. Martin, Richardson, Lawrie, Near and Gilpin are a committee to further the scheme.

**PORT ARTHUR, ONT.**—About 120 feet of the bridge across the Kaministiquia river at Stanley has been carried away. The probable cost of repairing will be \$3,000. The Port Arthur, Duluth and Western Railway bridge has also been carried away.

**PORT HOPE, ONT.**—Mr. J. A. Ellis, architect, of Toronto, is the successful competitor for plans for the new High School building in this town, which is to cost about \$10,000. Tenders for construction will likely be invited this week. Geo. M. Furby, secretary building committee.

**ST. JOHN, N. B.**—Plans for the new High School building, to cost \$40,000, have been received from Messrs. R. C. J. Dunn, H. H. Mott and D. E. Fairweather, of this city, A. G. Anderson, of Boston, and a Toronto firm. They will be considered at a meeting of the board to be held at an early date.

**MONCTON, N. B.**—Over \$50,000 of stock has been subscribed for the Moncton street railway and construction will be proceeded with at once. The power house will be erected at the wharf siding at the foot of King street. R. A. Borden has been elected secretary-treasurer of the company.

**GUELPH, ONT.**—The cement sidewalks will be constructed by the city under the supervision of the city engineer. Tenders for the work were received as follows: Silica Barytic Stone Co., 11 1/2c., walk and crossings; Guelph Pavement Co., walk, 12c., crossings, 12 1/2c. and 13c. These were considered too high.

**PICTOU, N. S.**—Elliott & Hopson, architects, Halifax, are inviting tenders until the 30th inst. for heating and ventilating apparatus for the Pictou County Academy. Plans may be seen at the office of the architects, or of the town clerk here, and tenders are to be addressed to the Clerk of School Board Commissioners.

**WOODSTOCK, N. B.**—The vote of the ratepayers on the question of expending a further sum of \$10,000 on sewer construction will be taken on the 9th of May.—Chestnut & Hipwell have secured a site and will erect a new building.—The Maritime Wrapper Co. will shortly commence the erection of a three-storey building.

**GALT, ONT.**—A by-law to provide funds for the further extension of the waterworks system and the enlargement of the present market buildings will be voted on by the ratepayers on the 12th May.—A. J. McPherson, city engineer, has prepared plans for sewerage extensions. The cost is approximately \$2,800 for the main pipes and \$860 for the laterals.

**BROCKVILLE, ONT.**—It is the intention of the Dominion government to erect a dwelling for the superintendent of the asylum.—Frank Holly, expert mechanical engineer, of Lockport, N. Y., has recommended the purchase of a new pumping engine for the waterworks plant in this town.—The question of erecting a new building for the Y. M. C. A. is under consideration. The cost is placed at \$10,000.

**CHATHAM, ONT.**—The building committee have received plans from three city architects for the proposed new school and an addition to McKeough's school. These will be considered at an early meeting of the board.—A company of citizens has been organized to manufacture a patent elevator, and the factory will be erected at once. The capital stock is \$300,000. Among those interested are F. B. Stevenson and J. A. Walker.

**NEW WESTMINSTER, B. C.**—The Dominion Pulverizing Co., of New York, is negotiating with the City Council with the view of establishing reduction works to extract gold from the sands of the Fraser river bed. The proposed works will cost about \$50,000.—The British Columbia Board of Trade have endorsed the proposition of the city asking the Provincial government to guarantee the interest on \$360,000 for the construction of a railway and traffic bridge across the Fraser river.

**QUEBEC, QUE.**—No. 1 police station has been purchased by F. X. Drouin, Q. C., who will convert it into a private residence.

—H. J. Beemer, the promoter of the electric railway, has recently returned from Baltimore and states definitely that arrangements have been completed for the construction of the road.—It is the intention to construct a chapel for the new parish of St. Antoine de Thetford. The plans are being prepared by David Ouellet, architect, of this city. The same architect is preparing plans for a house at Rimouski, for Mme. Fortier. Plans will be asked for a public drinking fountain, to cost \$5,000.

**WINNIPEG, MAN.** St. Paul capitalists are considering the erection of an opera house on Portage avenue, opposite the Queen's hotel. Plans have been prepared by St. Paul architects, and should the deal be carried out the building will be erected this summer.—Hugh McGowan, architect, has prepared plans for improving Central school No. 1, and the committee on buildings has recommended that tenders for the work be asked.—Samuel Hooper, architect, is preparing plans for an opera house.—A petition has been presented to the city council for improvements on William avenue, estimated to cost as follows: macadam pavement, \$22,000; artificial stone walk, \$13,000; sodding, \$1,000.

**MONTREAL, QUE.**—The Town Council of St. Henri have granted a bonus of \$20,000 to the Montreal Brussels Carpet Co. for the establishment of a manufactory in that municipality. Construction of the factory will be begun at once.—A. Prefontaine, architect, is preparing plans for two cottages, one in stone and the other in wood, for the Rev. Primeau, of Boucherville.—Building permits have been granted for one three-storey tenement building, stone front, on St. Catherine street, for H. A. Duperrault, probable cost, \$3,500. Architect, J. Sawyer; repairs and additions of two stories for a dancing academy, stone front, dimensions 30 x 120 ft., corner of St. Catherine and Stanley streets, for Mde. Duryea, of New York, estimated cost \$10,000; one house on Crescent street, for W. E. Phillips, Esq. Architects, Park & Thomas; one house in 3 in. plank, lined with brick, on Brehoef street, for J. E. Ouellette.—R. H. Falbord, architect, is preparing plans for one building, four stories, on Grand Allée, Quebec.

**LONDON, ONT.**—The City Council has passed the by-law to issue debentures for \$25,000 for the erection of new buildings for the Western Fair Board. Work will be begun at the earliest possible moment.—P. Murray will erect two brick houses on the east side of Wellington street.—R. Arscott proposes erecting two frame cottages on the south side of Ann street.—The City Council has given notice that by-laws have been passed to provide for the issue of \$35,965.99 for the construction of an asphalt pavement on Dundas street, and a further sum of \$19,429.78 for a similar pavement on Richmond street.—The water commissioners have been granted the sum of \$20,000 for the enlargement of the water works system.—Thomas A. Brown, Secretary of Committee, will receive tenders until noon on Friday, the 24th inst., for alterations to certain buildings on Queen's Park.—It has been decided to advertise for tenders for the asphalt paving of Ridout street, between York and Dundas streets, and between Elmwood avenue and Victoria bridge.—The finance committee has decided to recommend the council to issue debentures for \$48,000 to provide school accommodation.

**OTTAWA, ONT.**—Tenders will be received by Robert Surtees, city engineer, until Wednesday, the 29th inst., for the construction of a new Telford syenite roadway on Sussex street, between Ridout and St. Patrick street, for the excavations required for main pipe extensions on cer-

tain streets during the present year, and for building a masonry wall at the west end of Sparks street.—The village of Ottawa East has made application to the City Council for a water supply. Should the Council grant their request it will necessitate a considerable enlargement of the present waterworks plant.—H. N. Bate, Charles McGee and F. X. St. Jacques will in all probability acquire a site on which to erect a new theatre. The building will be of brick, with ornamental stone cornices, pillars at the main entrance porch of carved freestone or marble.—Bills to incorporate the Hudson Bay & Pacific Railway Co. and the Montreal & Province Line Railway Co. have been passed by the Railway Committee of the Dominion parliament.—The City Engineer has estimated that a scoria block pavement can be constructed on Little Sussex street, at a cost of \$2,400 and the work will likely be carried out.—The following list of railway subsidies has been submitted to the Dominion parliament: Cobourg, Belmont and Northern railway, \$32,000; Cobourg, Northumberland and Pacific, \$156,800; Ontario and Pacific, \$172,400; Lindsay, Bobcaygeon, and Pontypool, \$102,400; Brockville, Westport and Sault Ste. Marie, \$86,400; Kingston, Smith's Falls and Ottawa, \$179,200; Bracebridge and Baysville, \$48,000; South Ontario Pacific, \$158,400; Strathroy and Western, \$80,000; Nipissing and James Bay, \$217,000; Central Ontario, \$64,000; Manitoulin and North Shore, \$115,200; Thousand Islands railway, \$30,000; Kingston, Napanee and Western, \$59,000; Pontiac Pacific Junction, \$73,172.—It is the intention of the Ottawa Saw Works Co. to immediately enlarge their present factory at the Chaudiere.

**HAMILTON, ONT.**—It is expected that work will be commenced on the spur line to join the Grand Trunk railway with the Toronto, Hamilton and Buffalo railway about the 1st of May. The length of the line would be about  $1\frac{1}{2}$  miles, and the cost about \$200,000. There will be a bridge about 200 feet long built over the Desjardines canal.—William and Walter Stewart, architects, have prepared plans for a new hotel on Market street for Chas. Hardy. It will be three stories, brick, with iron pillars and plate glass.—F. H. McGuigan, general superintendent of the Grand Trunk railway, when in Hamilton recently, discussed the question of double tracking the line from Stewart street station to Gage's spur, three miles east of Hamilton.—The Hamilton Radial Railway Co. state that the work of building a line to Burlington will be commenced very shortly. It is understood the power house will be located at Burlington.—E. A. C. Pew, one of the chief promoters of the Toronto, Hamilton & Niagara Falls Electric Railway & Power Co., states that it is the intention to construct a canal six miles in length from a point  $1\frac{1}{2}$  miles from Wellandport, on the Welland river, to Jordan. A large plant will be established at Jordan, and power brought from there to Hamilton by overhead conduits. The estimated cost of the canal is \$400,000, and of the electric plant and outfit \$600,000.—Building permits have been granted as follows: K. Clohcy, two-storey brick dwelling on John street south, cost \$2,700; James Balfour, ten two-storey brick dwellings, corner Robert and Mary streets, cost \$10,000; Coleman Lumber Co., brick dwelling on James street south, cost \$6,000.—A. W. Peene, architect, has prepared plans for a new building to replace the Emerald street Methodist church, and tenders for the work will be asked at once. It will be of brick, with stone trappings, two towers, estimated cost \$12,000.

**TORONTO, ONT.**—The village of East Toronto is inviting tenders for \$10,000 of

debentures.—The by-law to authorize the issue of debentures for \$70,000 for a new six-foot steel pipe across the lake and for \$56,000 to cover the city's share of the York street bridge, was carried by the ratepayers on Saturday last.—Tenders are wanted by J. B. Leroy, 710 Queen street east, for roofing, plastering, papering and painting.—The City Engineer has recommended the laying of a brick pavement on concrete between the tracks on Dundas street, from Bloor street to the city limit; the construction of Cnery street bridge, at a cost of \$6,000, the construction of a brick pavement on Prince Arthur ave., at a cost of \$4,250, and of a six-foot concrete walk on the Queen's Park crescent, west side, from College street to the biological building.—Six new houses are to be erected near Harris' glue works, East Toronto.—The City Council has given notice of its intention to construct the following works: sewer on Manchester ave., from Shaw street to Ossington avenue, cost \$712; cedi. block roadways on Station street, from York street to Simcoe street, cost \$6,400; on York street, from Front street to the railway tracks, cost \$3,170; on Simcoe street, from Front street to Station street, \$1,850; on Yorkville avenue, from Yonge street to Avenue road, cost \$5,430.—Tenders will be received by Morgan Baldwin, harbor master, until the 29th inst. for the dredging required in Toronto harbor.—Specifications are being prepared for the laying of the new steel conduit across the bay.—Building permits have been granted as follows: Chas. J. Gibson, architect, 10 Roxborough ave., 2 storey and attic bk. dwelling, east side Maynard ave., n. of King st., cost \$3,000; Dick & Wickson, architects, alterations to residence in Rosedale for James McLenaghan, cost \$1,600.

#### FIRES.

At Gananoque, Ont., on the 15th inst. the Ontario Wheel Co.'s factory was destroyed by fire. The loss is estimated at \$25,000, covered by insurance.—The store house of George Inglis, planing factory, Lindsay, Ont., was burned last week. Loss \$2,500.—The Slocan hotel at New Denver, D. C., was burned on the 17th inst. Loss \$8,000, no insurance.—The Toronto Electrical Works on Adelaide street, Toronto, was damaged by fire recently to the extent of \$2,500.—The general store of M. Dagg, at Rathwell, Man., has been burned. Loss, \$2,000; insurance, \$1,000.—Several buildings belonging to the Forest Canning Co. at Halifax, N. S., were burned on the 16th inst. Insurance, \$19,500.—R. Whitney's residence near Lethbridge, Man., has been consumed by fire. Loss \$2,000.—St. Andrew's Presbyterian church at Burnbrae, Ont., about six miles from Campbellford, was burned on Friday last. Loss, \$7,000; insurance on building, \$3,000.—The residence of Joseph C. Upper, at

Allanburg, Ont., has been burned. The building at Kingston, Ont., occupied by Nugent & Taylor, tinsmiths, was gutted by fire on Saturday last. The building is owned by Felix Shaw, and is insured for \$3,000.—A brick building at Cobourg, Ont., owned by W. L. Paine, was burned on Sunday last. Loss \$1,200, no insurance.—The planing mill of Coxhead & Co., 162 West Lodge ave., Toronto, was consumed by fire on Tuesday last. The building and machinery were owned by the Gutta Percha and Rubber Co., whose loss is \$4,000, largely covered by insurance.—The residence of Robert Stewart at Foxboro', Ont., was burned on the 21st inst.

#### CONTRACTS AWARDED.

**GREENBANK, ONT.**—The contract for the new Methodist church has been awarded to Reid & Thrisk, of Uxbridge.

**GLAMIS, ONT.**—The tender of Robert McFayden has been accepted for the new Presbyterian church, estimated to cost \$2,000.

**WATERLOO, ONT.**—John B. Sinder, of this town, has been awarded the contract to seat the schools of Nanticope with Oxford school desks.

**QUEBEC, QUE.**—E. M. Talbot, architect, has awarded the masonry contract for one store on St. Valer street, for Mr. Elic Jobin to M. H. Doum.

**COLLINGWOOD, ONT.**—The Bryan Manufacturing Co., of this town, have received the contract for the new public school at Sault Ste. Marie.

**HULL, QUE.**—The Hull Electric Co. has let the contract for erecting a car barn to Richard & Black, of this town. It will be of stone, with metal roof.

**STRATFORD, ONT.**—The contract for erecting the House of Refuge has been awarded by the Perth County Council to McBeth Bros., of Strathroy, at \$14,263.

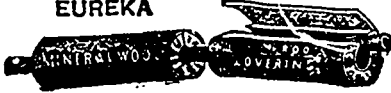
**ESSEX, ONT.**—Debentures to the amount of \$16,000 for alterations to the jail and county buildings have been purchased by O'Hara & Co., of Toronto, at \$16,475.55.

**HALIFAX, N. S.**—S. M. Brookfield has been awarded the contract for the supply of 2000 barrels of White's cement.—S. M. Brookfield has the contract for the Wright Building on Barrington street. It will be four stories, the front of white marble, trimmed with terra cotta and buff brick. Cost, \$20,000.

**TORONTO, ONT.**—The Fensom Elevator Works have secured the contract for placing two new passenger elevators in the T. Eaton Co.'s store. They will also entirely remodel the present elevator system. The cost of the work is about \$8,000.—The Metallic Roofing Co., Toronto, have lately been awarded the contract for supplying the ornamental

(Continued on page 4.)

**EUREKA**



**MINERAL WOOL**

SECTIONAL

**STEAM PIPE and BOILER COVERING**

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embossed steel ceiling for the offices of the Canadian Typograph Co., of Windsor, Ont., and in the Albion Hotel, Toronto.

WINNIPEG, MAN. — E. Cass has secured the contract for the erection of St. Mary's church, Mr. Girvie securing the carpentry work. Contract price \$12,000. Samuel Hooper, architect.

LONDON, ONT. Contracts for annual supplies have been awarded by the Board of Works as follows. Plank sidewalks, Sargeant & Beckett, 3 ft., 10 1/4 c., 4 ft., 17 1/2 c., 5 ft. 4 in., 25c., 6 ft., 26c., 8 ft., 30 1/2 c.; artificial stone walks, Charles Barfitt, 22 1/2 c.; lumber, S. H. Craig, pine, \$15.50; cedar and tamarack, \$14.50; iron casings, Stevens Mfg. Co., \$2 per 100 lbs.; cedar block crossings, Maurice Baldwin, 65c. per sq. yard, to supply and lay materials; crossing stone, C. Beckett, Credit Valley, 33 1/2 c. per yard, St. Mary's 24 1/2 c.; paving stone crossings, Maurice Baldwin, 20c. per yard; paving stone gutters, P. Mulhall, 18c. per yard; sweeping block pavements, G. Carrothers, \$1.40; closet in city hall, Smith Bros., \$91

OTTAWA, ONT.—The masonry and brick work contract of the Ottawa Amateur Athletic Association's building has been awarded to Cowan & Doran.—O'Hara & Co., of Toronto, have purchased the debentures recently offered for sale by the city.—The following tenders were received for waterworks supplies. Oils, McDougall & Cuzner, \$68.75 (accepted), Butterworth & Co., \$69.50, McKinley & Northwood, \$76.75, E. C. Arnoldi, \$81.50; lead pipe, McKinley & Northwood, \$961 (accepted), Butterworth & Co., \$961.60, E. C. Arnoldi, \$975; brass fittings, Butterworth & Co., \$434.50 (accepted), Wilson & Cousens, Toronto, \$527.50, McKinley & Northwood, \$511.30, E. C. Arnoldi, \$460.50, McDougall & Cuzner, \$537.10; hydrants, etc., Law Bros, \$1,625 (accepted), A. E. Perkins, \$1,997.50; J. Lawson, \$1,690, A. Fleck, \$1,796.50, McKinley & Northwood, \$2,378.75, P. D. Bazin, \$2,294.25, Victoria foundry, \$2,185, A. Charlebois, \$2,294.25; cast iron pipe, A. Charlebois, \$10,315 (accepted), A. Fleck, \$10,396.80, P. D. Bazin, \$10,365, McKinley & Northwood, \$11,515.35; electrical supplies, Ahearn & Soper, \$399.65 (accepted), R. Anderson, \$404.50, E. C. Arnoldi, \$414.20, Garioch & Co., \$455.25; general hardware, McDougall & Cuzner, at \$33 (accepted).

MONTREAL, QUE.—W. McLea Walbank, architect, has awarded the contract for a cask factory, two stories, corner of Richmond and Paxton streets, for Wm. Paxton, all trades, O. Pichette. Same

architect has awarded the contract for an office and elevator on St. Patrick street, for the Dominion Bag Works, the former to James Shearer, contractor, and the latter to Darling Bros.—H. R. Falbord, architect, 7 Place d'Armes, has awarded the following contracts: One hotel and public hall on Avenue de Selles, two stories, for Pierre Crevier, masonry, carpenter and joiner's work, by day work; roofing and plumbing, A. Lebeau; heating, P. Leclerc & Son; brickwork, by day work; plastering, Stephens Gosselin; painting and glazing, E. Berthelette. One two storey building, forming one tenement on Principal street, at St. Laurent, for Ed. Gotier—masonry, Frs. Dufresne and Eug. Picard; other trades not yet let. One three storey hotel at Carterville, Que., for Hormidas Lagace, all trades except heating, Eug. Picard. One two storey hotel at Carterville, Que., for Arla Crevier, all trades, Chs. Allard. Interior decorations at St. Hilaire church, Que., for the church wardens of St. Hilaire, carpenter and joiner's work, J. Martin, St. Hilaire; artistic decorations and tableaux, O. Leduc, St. Hilaire. Branch office for la Banque Ville Marie, of Montreal, on Principal street at St. Laurent, two and a half storey, all trades, Desire Houle. One two-storey cottage on Bois de Plaisance ave., Carterville, Que., for E. W. Barlow, all trades, Damase Joron. One two-storey cottage on Bois de Plaisance ave, Carterville, Que., for George H. Bishop, all trades, Damase Joron. One building, college, 157x65 feet, four stories and ameliorations on the old academy for the Revd. Fathers of the Congregation of St. Croix, masonry, Labelle & Payette.

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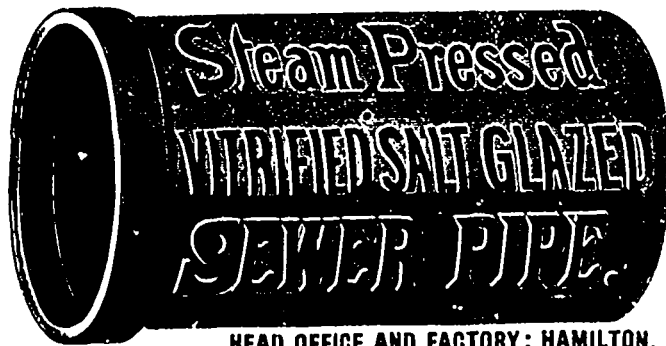
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## MUNICIPAL DEPARTMENT

### MUNICIPALITIES NOT LIABLE FOR DEFECTIVE WATER SUPPLY.

An impression generally prevails in regard to the liability of a municipality for losses incurred owing to the defective condition of the water works, which is quite erroneous. A number of suits have been brought against municipal corporations, for damages caused by their allowing their water works to become inefficient, and thereby preventing the rapid extinguishment of fires. At a first glance this seems a very reasonable claim. The Insurance Herald has published a synopsis of the decisions of the Courts on this matter, which are all adverse to the idea of municipal responsibility in this connection. One of the most intelligent and well expressed judgments is that of Judge Gray in the New York Court of Appeals. He considers the proposition that a liability rests upon a municipal corporation for injury arising from its defective public works, as not only startling, but a misapprehension of the nature of the responsibility which devolves upon a corporation in connection with the maintenance of a water works system. It would be well in some cases this were so, as public bodies might be more careful. But reflection will show that a multitude of actions would be encouraged by fire insurance companies and others, and that cases have arisen, and may still arise, when an expensive conflagration might bankrupt the municipality, if it could be rendered liable for the damages or losses sustained. It is manifest, however, that there must be some form of responsibility resting on corporations for neglect, as otherwise no traveller on a defective roadway or sidewalk would have a claim for damages for any injury directly caused by such public works being neglected. The distinction between such claims and those for damages arising from defective water supply is not easy to state briefly. The difference seems to rest upon there being two classes of functions to be performed by a municipal body, one of which classes is obligatory and the other optional, or voluntary. The law holds a corporation to strict accountability for neglecting its duty in regard to any public work, but it does not regard a corporation as liable for damages arising from its neglect of some enterprise which has been taken up voluntarily, and not of necessity as a legal obligation. A municipality is not bound to have a water works system; it cannot be held liable for the losses by fire caused by the absence of such a system; it follows therefore that it is not responsible for the losses caused by that system being out of order. In building water works no contract was entered into by the cor-

poration to keep up a constant supply of water for the extinguishment of fires. A suit for damages, therefore, brought by a person whose property was burnt owing to the water works of the town being in bad condition, failed because he entirely failed to prove any obligation on the part of the corporation to have water works at all, much less to have them always kept in an efficient state for extinguishing fires.

So far we have looked at this strictly from a legal standpoint. A corporation, however, which takes refuge behind the letter of the law when charged with such a grave neglect as letting the water works become inefficient, is not thereby freed from a very grave moral responsibility. The activities out of which comes the wealth of a city are sustained by vast amounts of capital, which is invested in the confidence that the city will protect such capital from the dangers of fire by an efficient fire brigade and an adequate water supply. The obligation to afford such protection is not a legal one, says the courts, but it is far more binding to honorable men, for their honor is morally pledged to the maintenance of the fire protection necessary for giving confidence to capital. Instead, then, of any citizens worrying over suits against corporations of the class above indicated, they should direct their energies to securing representatives who are alive to their duties and responsibilities.—Insurance Chronicle.

### LEGAL DECISIONS AFFECTING MUNICIPALITIES.

**KING V. TOWN OF PORT ARTHUR.**—Judgment by Chief Justice Boyd in Single Court at Toronto on motion for injunction to restrain defendants from submitting by-law respecting water works, and from entering into the contract mentioned therein. The learned Chancellor favours the view taken in *Vickers v. Shuniah*, 22 Gr. 41, that it is time enough for the court to interfere when a by-law has been carried illegally, rather than by injunction. He does not follow the reasoning in *Helm v. Port Hope*, 22 Gr. 310, as to the function of the court being to protect the Legislature against irregular or illegal use of municipal machinery. Having regard to limited time to show cause and ample and ordinary remedies existing in case by-law is carried, he makes no order. This he prefaces with declaration that inasmuch as from non-observance of directions as to time in sec. 293 of Municipal Act, 1892, the proposed by-law, if carried would appear to be migratory, the court does not think fit to make order for injunction.

**KERR V. COUNTY OF LAMBTON.**—Judgment by Chief Justice Meredith at Toronto, on motion by J. Kerr, a ratepayer, to quash a by-law of the Municipal Council of the County of Lambton guaranteeing water works debentures of the Town of Petrolea, on the ground that the by-law required the assent of the electors of the county, and was passed without it, and on the ground that it was

passed before the final passing of the by-law of the town of Petrolea respecting the debentures. Held, that the by-law in question did not require the assent of the electors. (2) That the Petrolea by-law, having been provisionally adopted and having received the assent of the electors in accordance with the provisions of sec. 293 at the time the county by-law was passed and everything having been done except the final passing by the council, and there being a provision in the county by-law that the form the guarantee was to take was an endorsement on the debentures, which could issue only after the final passing of the by-law, there was nothing in the language of the statute, nor upon principle, to prevent the power of the County Council being validly exercised. (3) That the form in which the corporation is to evidence its contract is unobjectionable, and the words which follow, as to the liability of the corporation, read in connection with the form, do not enlarge the liability beyond that of guarantors, and is no more than a promise to be answerable or to be charged with the obligation with which the Petrolea corporation is primarily chargeable.

### ELECTRICITY AND SEWAGE.

The decomposition of sea water by electrolysis, and the application of the chlorine thus obtained to the disinfection of sewage has, wherever tried, demonstrated not only the complete practicability of the method, but its economy, commercially considered.

Prof. John W. Langley, of the Case School of Applied Science, Cleveland, Ohio, who has given considerable attention to this problem by investigation and experiment, states some interesting facts in his address. To those interested in the problem of the cheap and effective purification of sewage, the data deduced from Prof. Langley's experiments will be of considerable value. Although the operating plant used by Prof. Langley was of a capacity totally inadequate to the needs of a large city, the results attained show that from the expenditure of one electrical horse power per hour, 6.37 pounds of chlorine can be produced.

"The quantity," Professor Langley says, "would purify over fourteen thousand gallons of sewage per day of ten hours. A hundred horse-power would therefore disinfect nearly a million and a half gallons in the same time. The cost of the process will be but little more than the cost of electricity plus that of pumping the sea water and the small additional amount for wages. These can be approximately estimated at twenty-five cents for 1,400 gallons when carried out on a scale of 500 horse-power. Taking the wholesale price of bleaching powder, its cost to do the same amount of disinfection would be at least twenty times as great. For inland cities the cost of salt would have to be added, but even then the expense would still be much below that of bleaching powder."

The economy and simplicity of this method would, it seems, indicate its general application in the near future.

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Prices of Building Materials.

CONDITION OF THE MARKET.

TORONTO: In some lines of builders' supplies there is a marked improvement, chief among which may be mentioned plumbers' supplies and iron pipe. A fair inquiry is also reported for soil pipe, lead pipe and galvanized iron. There is little activity in nails, notwithstanding the approaching advance. Glass and paints and oils rule steady at unchanged quotations.

MONTREAL: The demand for builders' supplies has slightly improved. There is a steady increase in the movement of plumbers' supplies. A few small orders are being placed for cement for shipment at the opening of navigation. In paints and oils the market is moderately active, and prices are well maintained.

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CEMENT, LIME, etc.

Table with columns for Toronto and Montreal prices for Portland Cements, German, London, Newcastle, etc.

Toronto, Montreal.

Table with columns for Toronto and Montreal prices for Portland Cements, Hydraulic Cements, Keene's Coarse, Fire Bricks, Lime, Plaster, Hair, etc.

HAIRDWARE.

Table with columns for Toronto and Montreal prices for Cut nails, Steel.

CUT NAILS, FENCE AND CUT SPIKES.

Table with columns for Toronto and Montreal prices for 40d, hot cut, 30d, 20d, 16d and 12d, hot cut, etc.

FINE BLUE NAILS.

Table with columns for Toronto and Montreal prices for 3d, per 100 lbs., 2d, etc.

CASING AND BOX, FLOORING, SHOOK AND TOBACCO BOX NAILS.

Table with columns for Toronto and Montreal prices for 12d to 30d, per 100 lbs., 10d, 8d and 9d, 6d and 7d, 4d to 5d, 3d, etc.

FINISHING NAILS.

Table with columns for Toronto and Montreal prices for 3 inch, per 100 lbs., 2 3/4 inch, 2 to 2 3/4, 1 3/4 to 1 1/2, 1 1/2, etc.

SLATING NAILS.

Table with columns for Toronto and Montreal prices for 5d, per 100 lbs., 4d, 3d, 2d, etc.

COMMON BARREL NAILS.

Table with columns for Toronto and Montreal prices for 1 inch, per 100 lbs., 3/4, 1/2, etc.

CLINCH NAILS.

Table with columns for Toronto and Montreal prices for 3 inch, per 100 lbs., 2 1/2 and 2 3/4, 2 and 2 1/4, 1 1/2 and 1 1/4, 1 1/4, etc.

SHARP AND FLAT PRESSED NAILS.

Table with columns for Toronto and Montreal prices for 3 inch, per 100 lbs., 2 1/2 and 2 3/4, 2 and 2 1/4, 1 1/2 and 1 1/4, 1 1/4, etc.

STEEL WIRE NAILS.

Steel Wire Nails, 75 % discount from printed list

Iron Pipe:

Table with columns for Toronto and Montreal prices for Iron pipe, 1/2 inch, per foot, etc.

Lead Pipe:

Table with columns for Toronto and Montreal prices for Lead pipe, per lb., Waste pipe, per lb., etc.

Galvanized Iron:

Table with columns for Toronto and Montreal prices for Adam's—Mar's Best and Queen's Head, 16 to 24 gauge, 26 gauge, 28 gauge, etc.

Structural Iron:

Table with columns for Toronto and Montreal prices for Steel Beams, per 100 lbs., channels, angles, tees, plates, Sheared steel bridge plate, etc.