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THE CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF PUBLIC WORKS, TENDERS, ADVANCE INFORMATION AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

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. 9.

NOVEMBER 23, 1898

No. 43.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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THE CORPORATION OF THE City of Three Rivers

Sealed tenders, for the Construction of a

Pier and Suction Pipe

into the River St. Maurice, in this city, will be received by the undersigned up to the 15th DECEMBER, 1898, at 4 o'clock p.m.

Plan and specifications may be seen at the office of the undersigned.

Tenders must bear the bona fide signature of the contractor, and must be accompanied by an accepted cheque made payable to the order of the Corporation of the City of Three Rivers, equal to five per cent. of amount of tender. This cheque will be forfeited if the party declines the contract or fails to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The lowest or any tender not necessarily accepted.

L. T. DESAULNIERS,
Sec.-Treas. T. R. Corporation.

City Hall, Three Rivers, 2nd November, 1898.

DATE OF PUBLICATION.

Architects, Engineers, Municipal Authorities and others are reminded that the CONTRACT RECORD is printed every Tuesday afternoon, and that advertisements should reach the office of publication not later than 2 o'clock p.m. on that day to ensure insertion in the issue of the current week. Advertisements are frequently received too late for insertion, to avoid which special attention is directed to this announcement.



NOTICE TO CONTRACTORS

TENDERS FOR SUPPLY OF STONE

Tenders will be received, by registered post only, addressed to the Chairman of the Board of Control, Toronto, up to noon on MONDAY, DECEMBER 21st, 1898, for the supply and delivery of 75 to 100 tonnage of STONE, in ten toise lots and upwards, at the House of Industry in this city.

Contents of envelopes containing tenders must be plainly marked on outside.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto.

A marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. of the amount tendered for up to \$1,000, and 2½ per cent. of the amount over that sum, must accompany each and every tender, otherwise it will be ruled out as informal. The lowest or any tender not necessarily accepted.

JOHN SHAW (Mayor),
Chairman Board of Control.

Toronto, November 21st, 1898.

CONTRACTS OPEN.

QUYON, QUE.—H. S. Dowd will build a large oatmeal mill here.

BEAVER BROOK, N. B.—D. Yuill is about to erect a new residence.

OWEN SOUND, ONT.—The town will shortly offer debentures for sale.

KEENE, ONT.—The Methodists will build a parsonage, to cost \$2,000.

BARRIE, ONT.—J. K. Ross is reconstructing a residence on Mary street.

REVELSTOKE, B. C.—It is announced that a new saw mill will be built here.

HEPWORTH, ONT.—Mrs. Mullen is considering the question of rebuilding.

EXETER, ONT.—A company is said to have in view the erection of a stave mill near here.

ST. CATHARINES, ONT.—Messrs. Cook & Son will put in a new water wheel next spring.

MALLORYTOWN, ONT.—A new brick store will be erected by a prominent business man.

THAMESVILLE, ONT.—Lawrence Bros. have purchased property on which to erect a dwelling.

SANDON, B. C.—The council has decided to borrow \$15,000 to be expended on creek improvements.

ATHENS, ONT.—The subscription list towards the new Methodist church has reached \$6,200.

VICTORIA, B. C.—Simmons & Coker have commenced the erection of a two storey brick block.

ST. AGATHA, ONT.—A new church will be built here next spring, on which tenders are now being taken.

COLCHESTER NORTH, ONT.—James

Mason intends building a residence opposite the post-office.

BRACEBRIDGE, ONT.—J. D. Shier is erecting a new saw mill on the site of the one destroyed by fire.

PORT STANLEY, ONT.—Arnell & Co. are erecting a large sash and door factory and planing mill.

INGERSOLL, ONT.—The town council has requested the Waterworks Company to construct additional mains.

MITCHELL, ONT.—It is understood that the Methodist congregation will build a parsonage in the near future.

SIMCOE, ONT.—The Grey county council is taking steps to secure the erection of a House of Refuge.

HALIFAX, N. S.—The People's Heat & Light Co. have decided to issue \$100,000 of second mortgage debentures.

SMITH'S FALLS, ONT.—Next year the Frost & Wood Co. will enlarge their works by the addition of two buildings.

MIDLAND, ONT.—The Grand Trunk Railway Co. are said to be considering the question of erecting another elevator here.

CHESLEY, ONT.—The council will submit a by-law to raise the sum of \$6,000 to buy the town hall and build a fire station.

EDMONTON, N. W. T.—A by-law to borrow the sum of \$4,500 for improvements will be voted on by the ratepayers shortly.

COOKSHIRE, QUE.—The Royal Paper Mills Co. purpose erecting a building, 100 x 32 feet, to be used as a store room and workshop.

LIVERPOOL, N. S.—The town council have sanctioned the raising of \$31,000 to put in a waterworks system and electric light plant.

ST. JOHN, N. B.—The C. P. R. has announced its intention to erect a new elevator on the site of the old one; estimated cost, \$200,000.

RAT PORTAGE, ONT.—It is rumored that two of the large saw mills here will be removed to Winnipeg. The report, however, is not confirmed.

BERLIN, ONT.—The committee appointed to select a site suitable for the erection of an armory have recommended property on Frederick street.

NORTH SYDNEY, N. S.—C. M. O'Dell, chief engineer for the Dominion Coal Co., is surveying the site of the proposed iron works to be located near here.

ROSSLAND, B. C.—It is said to be the intention of the West Kootenay Light & Power Co. to make further improvements and additions to their plant next year.

THOROLD, ONT.—It is probable that, in connection with the proposed incandescent electric light plant, a water wheel will be installed by the town next spring.

ALEXANDRIA BAY, ONT.—C. Browning and two others have subscribed \$2,000 towards the erection of a library building

here, on condition that an additional \$1,000 is secured.

WATERLOO, ONT.—The by-law to raise \$50,000 for the purchase and extension of the waterworks plant was defeated by the ratepayers on Monday last.

TROUT CREEK, ONT.—Two gentlemen are said to be negotiating for the purchase of the saw mill and factory of William Burke, with a view to improving the plant and operating the same.

SAULT STE. MARIE, ONT.—The Sault Ste. Marie Pulp & Paper Co. is opening up an iron property at the north end of Lake Wawa, and it is said that a tramway to Little Gros Cap will be built.

CHATHAM, ONT.—A gas well has been discovered on the farm of A. Markham, Tilbury North, and there is talk of organising a company to bore a number of wells and pipe the gas to this city.

BURNSTOWN, ONT.—It has been decided to build a new church next spring, to be frame, veneered with brick, and to cost \$2,400. John Halliday and William L. Stewart are members of the building committee.

WALKEPTON, ONT.—W. S. Gould, county clerk, desires offers by Monday, December 12th, for the purchase of \$20,000 of county debentures, redeemable in twenty years, and bearing four per cent. interest.

OSHAWA, ONT.—John Calt, C. E., of Toronto, has submitted to the town council plans and estimates for proposed water works and sewerage systems. The by-law to provide funds will be voted on at the municipal elections.

LONDON, ONT.—Alex. Johnston has secured building permits for two brick veneer dwellings on Railway street, to cost \$1,200 each.—The Chicago Telephone Co. will, it is announced, establish a telephone manufactory in this city.

SHAWENEGAN, QUE.—The Shawenegan Water & Power Co. have submitted plans for the dam and shute in connection with their proposed water power development. These plans have been approved of by Mr. Vallee, chief engineer of the province.

ACTON, ONT.—Proposals for the purchase of \$6,000 four per cent. debentures are invited by T. T. Moore, village clerk, up to December 10th.—The village council has purchased a site on which to erect the proposed power house for electric lighting.

LEVIS, QUE.—The Board of Trade have requested the harbor commissioners to make certain harbor improvements, including the construction of wharves on the south shore. The proposed improvements will cost \$150,000, and it is proposed to borrow the money.

ORILLIA, ONT.—At the last meeting of the High School Board, several plans for the new building were examined. It was decided to defer action until the regular meeting on the first Tuesday in December, and, in the meantime, to endeavor to secure more plans.

KINGSTON, ONT.—The Department of Public Works at Ottawa will shortly have plans prepared for an electric light plant to be installed for lighting the graving dock at this place. This work will be in charge of James Johnston, electrician of the above department.

HAMILTON, ONT.—Thomas Fanning has secured a permit for a two-story brick dwelling on Locke street, to cost \$1,200.—Mr. W. W. Lachance, architect, has been instructed to prepare plans for new coal sheds and an office building for the Elias Rogers Company.

SHERBROOKE, QUE.—It is probable that the Sherbrooke Gas & Water Co. will be compelled to construct a new dam and power house at some other point on the river, as the full power of the river at the point where their station is located is

now being utilized.—The Sherbrooke Snow Shoe Club has decided to make additions to its club house.—The trustees of Bishop's College have resolved to obtain a water supply from the Lennoxville Water Company. It is intended to place a number of hydrants throughout the grounds.

EUGENIA FALLS, ONT.—It is reported that an English syndicate has secured the water power and building recently occupied by the Hoop & Vencer Co., and will shortly commence the manufacture of wood specialties. Further developments are expected in the near future.

RENFREW, ONT.—A real estate deal is said to be under negotiation, which, if carried out, will result in the erection of a large hotel on the Smith property, opposite the post-office.—B. Dillon, architect, is preparing plans for a store and residence for George R. Hawkins, Seeley's Bay.

PORT ARTHUR, ONT.—Surveyors are now completing the location of the Rainy River railway eastward and westward from Mine Centre to connect with the South-Eastern and the Port Arthur, Duluth and Winnipeg railways. Construction will be resumed early next spring.

LINDSAY, ONT.—In connection with the proposed transmission plant for light and power, we learn that negotiations for capital are under way with Mr. A. E. Ames, of Toronto. An electrical expert will likely be engaged to report on the project of transmitting power from Fenelon Falls.

HULL, QUE.—The city council has adopted the plans submitted by Mr. Farley, C. E., for the proposed electric light plant. The special light committee has been instructed to draft a by-law calling for debentures.—The Stadacona Water, Light & Power Co. has submitted to the council plans for a sewage system.

FERGUS, ONT.—The Melville church congregation have decided upon the erection of a new edifice. For this purpose over \$8,000 has been subscribed, and at a recent meeting a building committee was appointed to purchase a site and procure plans for the building. Mr. Hugh Black is chairman of this committee.

CORNWALL, ONT.—At the last council meeting plans were submitted for putting in apparatus for operating the waterworks by water power. For adding water power to the present plant, the cost was given as \$6,000, and for addition of a water wheel to be used for electric light plant, \$10,000. The matter was deferred until the next meeting of council.

WINNIPEG, MAN.—A rumor is current that the Northern Pacific Railway Co. will build a direct line from Winnipeg to Duluth, and that other important extensions on the Manitoba division are in contemplation.—The Board of Works has recommended the construction of a sewer on Selkirk avenue, from Salter to McGregor streets, cost \$16,000, and on Barber street, cost \$900.

NEW WESTMINSTER, B. C.—The congregation of Holy Trinity Cathedral has decided to rebuild their church on the old site. The cost will be about \$4,500, including slate roof. Judge Bole and Messrs. W. J. Armstrong and J. W. Creighton have been appointed a building committee.—A special committee has reported that the market building can be constructed for \$5,000, and recommends that the work be proceeded with.

BROCKVILLE, ONT.—The Property Committee last week met delegations from the Library Board, the Water Commissioners Board, and the Police Committee, and consulted as to a plan for the rebuilding of the Victoria Hall so that all municipal offices can be centralized in the one

building. It is the intention of the council to submit a by-law to the ratepayers on the question at the January elections.—McLaren & McCrady contemplate a further improvement of \$5,000 to the plant of McCrady & Son.

BRANTFORD, ONT.—At the municipal elections the ratepayers will vote on a by-law to raise \$5,000 by debentures for the erection of a wing to the John H. Stratford Hospital.—The Manufacturers' Life Insurance Company contemplate the erection of a large office building in this city. It will be a four-story structure, heated by steam, with elevators, safety vaults in basement, and to cost about \$30,000. It is understood that the contract has not yet been awarded.—George W. Hall, architect, has prepared plans and is taking tenders for alterations and additions to building. Plans at 321 Colborne street.

QUEBEC, QUE.—The harbor commissioners will fill up the river frontage at the Custom House to provide room for wharf extension—J. P. Ouellet, architect, is preparing plans for a cottage for Miss G. Bernier, of Montmagny.—The question of erecting, in this city, a residence for the Governor-General is again being agitated.—Building permits have been granted as follows: E. P. Couture, stone and brick residence, Richardson street, cost \$1,000; P. Dufresne, residence on Dorchester street, cost \$1,500.—It is stated that Mrs. Casgrain has purchased the old buildings on St. Eustache street, and intends replacing them by new structures next spring. It is also her intention to erect a modern building at the end of St. Patrick street.—The Quebec, Montmorency & Charleboix Railway Company propose building large car works in St. Sauveur.

VANCOUVER, B. C.—At a recent meeting of the Board of Trade, the building of a railway from North Vancouver to the Bridge river country, Cassiar and Omineca was discussed.—The city desires tenders by Wednesday, December 14th, for supplying cast iron pipes, steel riveted pipes, hydrants, valves and specials for the waterworks. Address, Thomas F. McGuigan, city clerk.—No announcement has been made by the British Columbia Mills, Timber & Trading Co. regarding the rebuilding of their saw mill.—The Royal Crown Soap Works, of Winnipeg, have purchased the works of the Standard Soap Company in this city, and intend putting in a new plant.—The Cranbrook Water Company, Limited, has been incorporated, to supply the town of Cranbrook and the smelter there with water. It is proposed to construct a dam about two and one-third miles south-east of Cranbrook, and to pipe the water to the town.—The Homer street Methodist church will build a new edifice, with a seating capacity of 2,000.

MONTREAL, QUE.—The English firm of Lever Bros., soap manufacturers, have acquired five acres of property near this city, and will erect a large soap factory thereon.—The Richelieu & Ontario Navigation Co. intend putting in an electric light plant and making other improvements to the steamer Richelieu.—The citizens of the east end have requested the Mayor to call a public meeting to consider the question of improvements to the harbor below St. Mary's current.—John Kennedy, chief engineer of the Harbor Board, has prepared a report on the properties in the east end offered as a site for the proposed dry dock. The cost of land and excavation varies from \$200,000 to \$333,000.—Mr. A. J. Corriveau, promoter of the Montreal and Southern Counties railway, has been waited upon by a deputation from St. Cesaire, who advocated the selection of a route for a branch of the electric railway to extend from Chambly to Abbotsford, St. Cesaire, Granby and Waterloo.

OTTAWA, ONT.—The Ottawa Suburban Waterworks Co. have suspended operations on the waterworks in Ottawa East until spring. The agreement stipulates that the system, which will cost about \$30,000, must be completed by May, 1900.—The Ottawa Abattoir Co. have not yet secured a site for their proposed abattoir, but it is probable that it will be constructed at Skead's Mills. The cost of the buildings will be, approximately, \$40,000. George E. Kidd is acting for the company.—The time for receiving tenders for the construction of a power house and electric plant at the Soulanges canal has been extended by the Department of Railways and Canals to 1st December.—E. F. E. Roy, secretary Department of Public Works, wants tenders by Wednesday, December 7th, for construction of pile wharf at River Hebert, Cumberland County, N.S. Plans on application to C. E. W. Dodwell, Halifax, postmaster at River Hebert, and the above department.—The Baptist congregation of the Glebe expect to commence the erection of their new church early next spring.—Government engineers have commenced a survey of the Maria street bridge site, and the work of construction will be commenced at an early date.—The Department of Militia will shortly commence the erection of a new building for militia stores. It will be a four-story structure of considerable size.—Plans are being prepared for the new central depot, which is estimated to cost \$130,000.—It is reported that a Montreal syndicate is negotiating for the purchase of the Cardinal and Howe properties, with a view to the erection thereon of a large hotel.—Building permits have been granted as follows: David Headley, two brick veneer dwellings, Dufferin street, cost \$1,000; Miss Mary A. McDonald, frame double house, Hickey street, cost \$1,200; M. C. Kenney, three brick veneered houses, Gilmour street, cost \$3,000; F. H. Webb, brick veneered dwelling, McLeod street, cost \$900; Robert Holmes, brick veneered dwelling, Concession street, cost \$1,500; A. W. Fraser, three brick dwellings, O'Connor street, cost \$2,000 each; Thos. Cleary, three shops and dwellings, Somerset street, cost \$4,050; Taylor & Lackey, brick veneered dwelling, Blackburn ave., cost \$1,200.—In the event of the sale of the Lasalle school building to the Christian Bros., of Hull, the French Committee of the Separate School Board will be compelled to build another school building in Lower Town.

TORONTO, ONT.—Mr. G. N. Morang, publisher, has secured one of the old houses on the north side of Wellington street, immediately east of York street, and will reconstruct it throughout for business premises.—Tenders are wanted at 744 Yonge street for grading and laying 3,690 square feet of brick flooring, and supplying brick and other materials required.—Mr. J. H. Chewitt, president of the Rossin Hotel Co., announces that it has been fully decided to make improvements to the hotel, involving an expenditure of \$150,000.—Reinhardt & Co., 22 Mark street, want tenders for making and placing 25 vats of a capacity of 5,000 gallons each.—The authorities of the Western Hospital are looking for a site for a new hospital building, as the lease of the present building expires next May.—It is understood that the Postmaster-General has under consideration the erection of a large building adjacent to the Union Station for post-office purposes, in order to avoid the necessity of transporting mail matter from the depot to the post-office on Adelaide street.—At the seventh annual meeting of the Children's Aid Society held last week, the annual report presented pointed out the necessity of erecting a permanent building for the purposes of the society.—The Royal Canadian Bicycle Club have formed a

joint stock company and purchased property on Broadview avenue, near Queen street, on which to erect their proposed club house, estimated to cost \$5,000. Work will commence early in the spring.—Further stock is said to have been subscribed towards the proposed palace hotel on King street, and there is now a fair prospect of the undertaking being carried to completion.—At a meeting of the York county council held last week, the question of the erection of a bridge over the Rouge river, near the village of Markham, was considered. The village wished the county to construct the bridge, but the matter was deferred until the next session of council.—The Board of Works has deferred, until next year, consideration of the rebuilding of the Humber bridge, as recommended by the City Engineer.—The Queen City Yacht Club contemplate the erection of a new club house, and have asked the city council for a free site on the Island for the purpose.—The City Engineer has recommended that iron shelters over the sidewalk be built in both the Queen and King street subways, to protect the pedestrians from rain and snow falling through spaces between the railway ties. The cost is placed at \$3,850.—Macadam roadways are recommended on Gerrard street, from Yonge to Jarvis streets, and on Washington avenue, from Spadina avenue to Huron street, and concrete walks on Sussex avenue, from St. George to Huron street, and on St. George street, from Lowther to Bernard avenues.—Building permits have been granted as below: John Ewing, three two-storey brick houses, 30 to 34 Afton avenue, cost \$3,600; W. J. Parks, two-storey and attic brick residence, west side Delaware avenue, north of College, cost \$3,500; Chas. Stark, two-storey and attic brick dwelling, south side of Maple avenue, near Sherbourne, cost \$5,000; James Henderson, two-storey and attic brick residence, south side Maple avenue, near Sherbourne, cost \$4,500; John Morrison, two storey and attic brick residence, west side Jarvis street, near Bloor, cost \$6,000; Dr. G. S. Ryerson, two storey and attic brick residence, north side of Bloor street, near Spadina avenue, cost \$8,000 (F. H. Herbert, architect); Reinhardt & Co., three-storey brick and stone addition to brewery, 22 Mark street, cost \$5,000; Salvation Army, addition to barracks, 122 to 126 Lisgar street, cost \$1,200.—The city council has given notice of its intention to construct a cement concrete sidewalk on both sides of Madison avenue, from Bloor street to Bernard avenue, at a cost of \$3,647, and a 24 foot macadam roadway on Sword street, from Spruce to Gerrard streets, at a cost of \$1,052.—Mr. Henry Simpson, architect, is this week taking tenders on the new warehouse for the J. F. Brown Co.—The vinegar trust, known as the Wilson-Lytle-Badgerow Company of Ontario, have purchased a block of land at the corner of Front street and Spadina ave., and propose to construct thereon a new building, to cost \$16,000, and having a frontage of about 120 feet. Mr. W. R. Gregg, architect, has prepared the plans and let the contracts for masonry work to Orr Bros., of 123 Lippincott street. Tenders for the balance of the trades will be awarded immediately.—Matthew Sheard, architect, will this week present to the City Council his report on plans for remodelling St. Lawrence market.—R. M. Ramsay and C. M. Adams, of Chicago, and J. P. Wagner, of Buffalo, are considering the erection in this city of extensive works for the manufacture of girders and general iron work for buildings.—The marine section of the Board of Trade met on Monday last to consider harbor and water-front improvements. No scheme was decided upon, but the question will again be taken up at a later meeting.—The congregation of Asbury Methodist church, North Toronto,

destroyed by fire recently, is now considering the question of rebuilding.

FIRES.

Fires of the past week included the following: Lakeview Hotel, Phillipsburg, Que.—Large warehouse at Liverpool, N. S., owned by John Millard.—The air compressor buildings of the Wellington mines near Nanaimo, B.C., together with engine and boiler.—The abattoirs of the municipality of Delorimier, a suburb of Montreal; loss \$15,000, partially covered by insurance.—C.P.R. station at Viriden, Man., totally destroyed.—Gerow's cheese factory near Napanee, Ont.; loss \$2,700, insurance \$1,800.

CONTRACTS AWARDED.

PRESTON, ONT.—C. Kress has just let the contract for the erection of a large hotel.

FERGUS, ONT.—\$2,800 of school debentures, running 15 years at 5 per cent., have been sold at \$3,060.

MOUNT ALBERT, ONT.—Woodcock Bros. have the contract for a building, 19 x 30 feet, for Mrs. I. McFarlane.

WATERLOO, ONT.—The contract for the brickwork on the Waterloo Mfg. Co.'s building has been let to John Letter.

WINNIPEG, MAN.—The tender of Dobson & Jackson, at \$849, for a sewer on Henry avenue, has been accepted.

ST. CATHARINES, ONT.—The contract for remodelling the old Noy store for the Imperial Bank has been given to Newman Bros.

DUNDAS, ONT. The carpenter work for the new building for the Bertram Tool Co. will be executed by Joseph Bowman & Co.

GRAND FORKS, B. C.—The Canadian Investment Co., of Toronto, has purchased \$15,000 of city bonds, at 90 cents on the dollar.

EDMONTON, N.W.T.—Little & Co. have been awarded the contract for the brick required for the new R. C. church to be built here next year.

NEW WESTMINSTER, B.C.—S. G. Tidy has been awarded the contract for building the new opera house, James Marshall securing the painting and decorating.

HULL, QUE.—Viau & Lachance, contractors, of this place, have obtained from the Dominion government a contract to build a quay at Baie St. Paul; price about \$15,000.

MERRITTON, ONT.—Tenders for rebuilding No. 2 ward school were received as follows: Samuel Pettigrew, \$610; John Livingstone, \$567; W. A. Logan, \$463.30 (accepted).

NIAGARA FALLS, ONT.—Messrs. Ellis & Clark, architects, have let the contract for a residence on River road for A. T. Simpson, mail clerk, to James Harriman, for all trades. The contract amounts to about \$3,000.

CORNWALL, ONT.—W. W. Hendershott, of this place, has entered into a contract with the Ottawa & New York Railway Co. to rip-rap their St. Lawrence river bridge here with about 3,000 cubic yards of stone.

CHATHAM, ONT.—The town has sold \$21,385 of local improvement debentures to the Merchants Bank. The tenders received were as follows: Merchants' Bank, \$22,775.09; F. Marx, \$22,549.86; G. A. Stimson & Co., Toronto, \$22,540.73; R. Wilson Smith, Montreal, \$22,423.

BROCKVILLE, ONT.—Geo. T. Fulford, of the Pink Pill Company, has let the contract for a \$75,000 residence on the property purchased from the Hon. W. J. Christie, situated on the banks of the St. Lawrence river. This will be one of the finest private residences in this town.

John Mix will have charge of the work.—Driscoll & Fitzpatrick have secured the contract for the erection of a skating rink, wood and iron, 87 x 220 feet.

ST. THOMAS, ONT.—The City Hall Building Committee received tenders as below for various trades in connection with the new city hall: Plastering—Gould Bros., London, \$1,730; Jas. Stewart, \$2,281.60; Hoidge & Son, Toronto, \$2,400. Metal work—Douglas Bros., Toronto, \$1,248; Stacey Mfg. Co., \$1,650.52; A. B. Ormsby, Toronto, \$990; A. H. Mathews, Toronto, \$1,243. Heating—Cadman & Williams, St. Thomas, \$2,694.61; Kenneth J. Allison, \$2,373.50; Cadman & Williams, two Gurney Co. boilers, \$2,714.61; three boilers, \$2,795.01; Charles Bull, \$2,394; Stacey Mfg. Co., \$2,556; Jos Harrison, Toronto, \$2,370; Puidy, Mansell & Co., Toronto, \$2,278; Adam Clark, Hamilton, \$3,279. Plumbing and gas fitting—Ritchie & Co., Toronto, \$1,100; Stacey Mfg. Co., \$1,427; Chas. Bull, \$1,359; J. H. Flaherty, \$1,282.83; Purdy, Mansell & Co., Toronto, \$1,174; Cadman & Williams, \$1,528. Heating and ventilating—Ritchie & Co., Toronto, \$2,460; Sacho Plumbing and Heating Co., Berlin, \$2,950. Plumbing—Kenneth J. Allison, Toronto, \$1,097.50. Plumbing, hot water heating and gas fitting—Fiddes & Hogarth, Toronto, \$4,330. Painting—H. Turnpenny, \$1,598; Jos. Newberry, \$1,873; George Jewell, \$1,750; E. H. Pink, \$2,222; W. R. Bevi, \$2,370.50. Electric wiring—R. A. L. Gray, Toronto, \$409. Tenders have been accepted as follows: Gould Bros., London, plastering, \$1,730; H. A. Turnpenny, painting, \$1,598; A. B. Ormsby & Co., Toronto, metal work, \$990; Charles Bull, heating, \$2,394; K. J. Allison, Toronto, plumbing, \$1,097. The contract for electric wiring was not let, only one firm tendering. Buffalo boilers and Gurney-Tilden radiators will be used. The architect is Mr. N. R. Darrach.

Barbeau & Auclair, painters, Quebec, have registered partnership.

D. Duplessis & Co., plasterers, Montreal, have registered partnership.

Gaspard Caron and F. X. Racicot have registered proprietors of the business of Caron & Racicot, plumbers and roofers, Montreal.

THE QUALITY OF MORTAR.

(Continued from last issue.)

There is no question but that if the utmost care were taken to thoroughly slake the binding material and to properly proportion the sand, giving plenty of time to the whole operation, hand-mixed mortar would be perfectly satisfactory in every respect; but such conditions rarely obtain in a large building, and by mixing machine-mixed mortar by the ton it is perfectly easy to maintain exact proportions, to have the binder equally strong in each case, and to have the intimate mixture of the components perfectly uniform.

USE OF HOT BRICK.

There is another factor entering into the use of mortar, or perhaps more properly, into the construction of masonry, which is liable to be overlooked. There is a saying among what we sometimes call the old-fashioned builders to the effect that a wet building makes a dry house, or, in other words, that in masonry construction, if plenty of water is used throughout, the bricks kept well wet, the joints thoroughly grouted, the result in the set of the mortar will be vastly superior to what one would expect from opposite conditions. This is, of course, especially true of work laid up with cement mortar, but it applies with very considerable force also to lime mortar work. It is a common belief that in cold weather bricks should be heated before being set. We are not sure that this is the correct assumption. We have noticed a number of times that where bricks have been used hot the mortar, after a few months, is dry and crumbly under the hand and has the appearance of having been frozen. It seems to stand to reason that hydraulic cement, which requires a very considerable excess of water to set properly, would have the life all drawn out of it by being

set in bricks which not only are free from water, but are heated so that they would absorb all the free water from the cement. It, of course, is not always practicable, on account of the cold, to wet bricks in winter time, but from personal experience we should feel inclined to say that a wall would stand better if the bricks were laid up cold in winter than if the bricks were first heated. And certainly for any work in ordinary weather the liability is that it will be kept too dry rather than too wet.

LIBERAL USE OF WATER.

We had occasion to notice a while ago an instance of the efficacy of the liberal use of water in this connection. In a certain prominent building in this city the door trim and the dado work were all constructed of Portland cement applied directly to fireproof partition blocks. After the work had been run there came a spell of quite dry, hot weather, and the building was left open, with the result that when the cement work had the appearance of being dried out it was so soft and porous that it could be brushed away with a broom, and there was hardly any surface to it. The builder was shrewd enough to try some experiments before going to

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the expense of removing the whole. He stationed a number of laborers around the building with pails of water and big sponges, with instructions to wet the cement work down thoroughly and keep it wet. This treatment was continued for, if we remember rightly, some ten or twelve days, when the cement began to harden, and in a few days more it had set up in a perfectly satisfactory manner, and ultimately proved to be an exceptionally strong piece of work. We have no doubt that much of the poor mortar that is encountered in taking down old buildings owes its friability and seemingly poor texture to the fact that not enough water was used in the construction.

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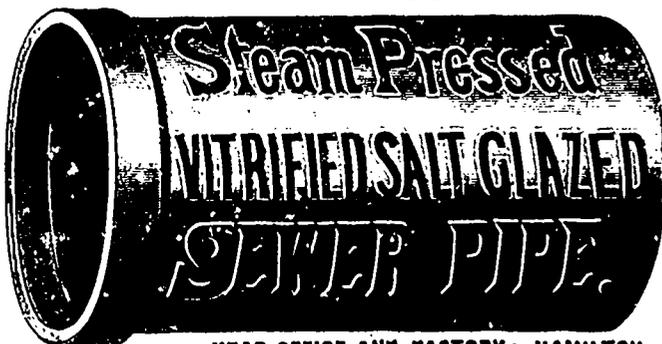
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TO MUNICIPAL OFFICERS.

The CONTRACT RECORD is desirous of publishing, as far as possible, advance information regarding projected works of construction in all parts of Canada, such as sewerage and waterworks systems, railways, street pavements, public and private buildings, etc. Municipal officers would confer a favor upon the publisher by placing at our disposal particulars of such undertakings which are likely to be carried out in their vicinity, giving the name of the promoter, character of the work, and probable cost. Any information thus furnished will be greatly appreciated.

COST OF PAVING.

Mr. T. O. Bolger, City Engineer of Kingston, Ont., has been collecting information regarding the cost of asphalt pavements. Asphalt, he finds, is laid in different cities under different specifications and conditions. In some places two inches of asphalt are laid over a bed of four inches of concrete. In other places the asphalt is rolled on the old stone paved streets. A first class street requires six inches of concrete and at least two and one half inches of asphalt wearing surface. In a list of forty-one places where streets were paved during 1897, the cost per square yard ranged all the way from \$1.45, at Omaha, to \$3.10 at Ottawa. The list gives an average price of \$2.12 per square yard.

In 1898 a list of thirty-nine cities using asphalt for paving purposes gave prices ranging from \$1.39 at Newark, N.J., to \$2.87 at Spokane, Wash., giving an average of \$2.03 per square yard.

These prices are hardly any guide, covering so wide a range, and climatic and geographical formation being so widely different. An average of the cost nearer home is as given: At Montreal, \$2.41; Ottawa, \$2.87; London, \$2.65; Toronto, \$2.70; Ottawa, \$2.57; Hamilton, \$2.08. These give an average of \$2.54 per square yard, contract price, and all call for six inches of concrete and two and one-half inches of asphalt wearing surface. Hamilton has only a five year guarantee, the other places ten. Rochester, N.Y., paid \$2; Watertown, \$2.75, and Syracuse, \$2.20.

From this data it is fair to assume that asphalt paving in Kingston would cost \$2.50 per square yard.

The average price of brick paving in forty-six cities ranges from ninety-two cents to \$2.50, making a mean average of \$1.52 per square yard.

Toronto is paying \$1.60 for brick laid on four inches of concrete. Princess street could be similarly paved for \$1.85 per square yard, and Brock street at \$1.60, and a good brick pavement on

broken stone and sand formation could be put down on residential streets for \$1.30 per square yard.

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

About a year ago the council of the township of Toronto accepted a tender from Messrs. Joseph Yorke and Burgoyne Gordon to build the abutments for a new iron bridge over the Credit river at the village of Springfield-on-Credit. After doing considerable work the contractors abandoned the job. Proceedings were instituted on behalf of John Miles, a stonemason, residing in Toronto, against the contractors and the municipal corporation, claiming a lien upon the material in the bridge. The township at first defended the matter, when they asked leave to pay into court 20 per cent. of the amount of the money they claimed to be due by them to the contractors, which payment was in full of the lien-holders and amounted to \$151.14. The matter came before Mr. Neil McLean, Official Referee at Osgoode Hall, last June, and after a trial lasting two days, judgment was reserved and has just been given in favor of John Miles, the plaintiff, and other lien-holders, the official referee holding that the township when they paid the money into court did not give the contractors full credit for all work done, and should have paid in more than they have; consequently as a result Miles gets judgment against the township of Toronto with costs.

Last week in the Court of Appeal at Montreal, argument was heard in the case of the corporation of the town of Richmond, plaintiff in the court below, appellant, and Lafontaine, et al., defendants in the court below, respondents. The case arose out of the construction of a waterworks system in Richmond in the year 1892. The town asked that the defendants, who had obtained a contract, be ordered to remove their pipes and works, and be condemned to pay \$5,000 damages for non-fulfilment of their obligations. The chief ground for contention was that the defendants had not completed the work within the time specified. The defendants pleaded, among other things, that the work had been accepted, the town having furnished hydrants and used the water. The court in the first instance held that the works were entirely incom-

plete and insufficient at the time of the institution of the action, and maintained the conclusions of appellant to the extent of setting aside the contract and ordering the removal of the works. From this judgment the respondents appealed to the Court of Review, which court gave judgment reversing the judgment of the court below. The reasons given by the Court of Review were to the following effect: 1. Since the action respondents had built a new reservoir at a higher elevation, and at the point indicated by the experts examined by appellant. 2. The proof was contradictory. 3. The respondents had established that the pipes laid by them were of the size demanded by the contract, and the quality of the water furnished was satisfactory, being as good as that of the city of Montreal. 4. Since the protest, the municipality appellant had accepted the works and made use of them without further protest for more than twelve years, and their silence and the use made of the works constituted a legal acceptance. Judgment has been reserved.

The Home & Foreign Securities Company, of Toronto, have been granted incorporation. The company intend to deal extensively in municipal debentures. The directors are Z. A. Lash, Q.C., J. S. Lovell, William Bain, E. W. McNeil and Thomas Bradshaw.

The evidence in the arbitration for the expropriation of the waterworks system at Campbellton, N. B., has been concluded, and argument will be heard by the Court this week. Mr. Willis Chipman, consulting engineer for the corporation, values the plant at \$51,000, and Mr. James Laurin, consulting engineer for the Campbellton Waterworks Company, at \$123,180.

According to the report of the City Engineer of Toronto, there have been nearly twenty-four and one-half miles of new pavements laid in Toronto since the beginning of the year. This amount includes over seven miles of paving on track allowances. The total is distributed as follows: Contract—Gravel, 5.03; cedar block, 4.014; brick, 2.704; asphalt, 3.188; macadam, 1.537; concrete, in lane, .057; total, 16.53. Day Labor—Brick, .111; macadam, .449; total, .56.—a total of 17.09 miles. Track Allowances—Contract—Brick, 4.284; scoria, 2.705; total, 6.989. Day Labor—Brick, .403. This makes a total of 7,392 miles for track allowances, and a grand total of 24,482 miles.

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Shipping cull boards, promiscuous widths	12 00	13 00	13 00	13 00
Shipping cull boards, stocks	10 00	10 00	16 00	16 00
Hemlock scantling and joist up to 16 ft.	10 00	12 00	10 00	10 00
Hemlock scantling and joist up to 18 ft.	11 00	2 00	12 00	13 00
Hemlock scantling and joist up to 20 ft.	12 00	13 00	13 00	14 00
Cedar for paving, per cord	5 00	5 00		
Cedar for kerbing, 4 x 14, per M.	14 00	14 00		
Scantling and joist, up to 16 ft	14 00	14 00		
" " " " 18 ft	15 00	16 00		
" " " " 20 ft	16 00	16 00		
Scantling and joist, up to 22 ft	17 00	17 00		
" " " " 24 ft	19 00	19 00		
" " " " 26 ft	20 00	21 00		
" " " " 28 ft	22 00	23 00		
" " " " 30 ft	24 00	25 00		
" " " " 32 ft	27 00	27 00		
" " " " 34 ft	29 00	29 00		
" " " " 36 ft	31 00	31 00		
" " " " 38 ft	33 00	33 00		
" " " " 44 ft	34 00	36 00		
Cutting up planks, 1 1/2" and thicker, dry	25 00	28 00	25 00	30 00

B. M.

1 1/2 in. flooring, dressed, F.M.	34 00	36 00	28 00	31 00
1 1/2 inch flooring, rough, B.M.	18 00	22 00	18 00	22 00
1 1/4 " " dressed, F.M.	25 00	26 00	27 00	30 00
1 1/4 " " undressed, B.M.	18 00	19 00	18 00	19 00
1 " " dressed	18 00	20 00	18 00	22 00
1 " " undressed	12 00	15 00	12 00	15 00
Beaded sheeting, dressed	20 00	35 00	22 00	35 00
Clapboarding, dressed	14 00	14 00	8 00	12 00
XXX sawn shingles, per M				
16 in.	2 40	2 35		3 00
XX sawn shingles	1 60	1 50		
Sawn lath, No. 1	1 75	2 00	2 50	2 60
Cedar		2 90		2 90
Red oak	30 00	40 00	30 00	40 00
White	37 00	45 00	35 00	55 00
Basswood, No. 1 and 2	28 00	30 00	18 00	20 00
Cherry, No. 1 and 2	70 00	90 00	70 00	80 00
White ash, No. 1 and 2	24 00	35 00	30 00	35 00
Black Ash, No. 1 and 2	30 00	30 00	18 00	30 00
Dressing stocks	16 00	22 00	16 00	22 00
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(Continued on Page 8.)

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Ornamental Iron Work. Dennis Wire & Iron Co vi Ives & Co., H.R. x

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Hynes, W. J... xi

Paints & Varnishes. Muirhead, Andrew... i

Parquet Floors. Elliott & Son Company vi

Plate Glass. Hobbs Glass Works... ii

Lyon, N. T... i The Consolidated Plate Glass Co... ii

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Duthie & Sons, C... xi Forbes, D... xi

Nicholson & Co, D... xi Ormsby & Co., A. B... I

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Reardon's Art Glass Works... i

The Royal McCo's Ltd Stained Glass Co... i

Wood & Co... i

Shingles and Siding. Metallic Roofing Co... vii

Metal Shingle & Siding Co... vi

Ormsby & Co., A. B... I

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Storm Doors. Hillcock & Co, John... ii

Typewriters. Archibald, Chas E... III

Ventilators. Boston Blower Co... ix

Wall Paper. Wallberg, E. A... xiii

Albert Mfg. Co... xi

Table with 2 columns: Description and Price. Includes For ornamental work, Granite paving blocks, Granite curbing stone.

SLATE.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Roofing (per square), Slate, Tena Cotta Tile.

PAINTS. (In oil, & B)

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes White Lead, Red Lead, Vermilion, Yellow Ochre, Green Chrome, Blue Lamp, Black Ultramarine, Oil, Linseed, Putty, Whiting, Paris White, Litharge, Sienna, Turpentine.

CEMENT, LIME, etc.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Portland Cements (German, London, Newcastle, Josson, North's Conder, English, Belgian, Canadian, Roman, Parian, Superfine), Hydraulic Cements (Thorold, Quanceston, Napanea).

Toronto. Montreal.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Hull, Ontario, Keene's Coarse White, Fire Bricks, Lime, Plaster, Hair Plasterers.

HARDWARE.

The following are the quotations to builders for nails at Toronto and Montreal:

Table with 2 columns: Description and Price. Includes Cut nails, Steel.

CUT NAILS, FENCE AND CUT SPIKES.

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes 40d hot cut, 30d hot cut, 20d hot cut, 16d hot cut, 12d hot cut, 8d, 6d, 4d, 3d, Cut spike.

Iron Pipe:

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Iron pipe, 1/2 inch, 3/4 inch, 1 inch, 1 1/2 inch, 2 inch.

Lead Pipe:

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Lead pipe, Waste pipe.

Galvanized Iron:

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Adam's-Mar's Best and Queen's Head, 16 to 24 gauge, 26 gauge, 28 gauge, 30 gauge, 32 gauge.

Structural Iron:

Table with 4 columns: Description, Toronto Price, Montreal Price, and another Montreal Price. Includes Steel Beam, channels, angles, tees, plates, Sheared steel bridge plate.