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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF PUBLIC WORKS 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.

MAY 14, 1896

No. 15.

THE CANADIAN CONTRACT RECORD,

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TENDERS

Will be received until 5 p. m. on THURSDAY, MAY 21ST, for the erection of a

BRICK DWELLING HOUSE

in St. Catharines. Lowest or any tender not necessarily accepted.

GORDON & HELLIWELL, Architects,
26 King St. E., Toronto.

Notice to Contractors

Sealed Tenders for the whole or separate trades will be received by the undersigned for the erection of a new Jeffery Hales Hospital at Quebec, not later than WEDNESDAY, MAY 20TH.

Plans and specifications may be seen at the offices of the architects, Messrs. Taylor & Gordon, 43 St. Francois Xavier Street, Montreal, and also at Mr. Staveley's office, 92 St. Peters Street, Quebec.

It is not guaranteed that the lowest or any tender will be accepted.

Satisfactory sureties to be given if required.

TAYLOR & GORDON, Architects,
Montreal, Que.



Notice to Contractors

A SUPPLY OF

COAL

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 WEDNESDAY, MAY 20TH, 1896, for the supply of coal (about 8,000 tons) for the year ending May 31, 1897, to be delivered at the Main Pumping Station.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after Wednesday, May 13, 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 coal tendered for up to \$1,000, and 2½ per cent. on the value of the coal 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 any tender not necessarily accepted.

BERNARD SAUNDERS,
Chairman Committee on Works.

R. J. FLEMING,
Chairman Board of Control.
Toronto, May 8, 1896.



To Contractors

Sealed Tenders addressed to the undersigned and endorsed "Tenders for Works," will be received at this Department until NOON OF SATURDAY, MAY 16TH, for the following works:—

Rebuilding of Chemical Laboratory and Reconstruction of Sewage Disposal Works at the Agricultural College, Guelph; Porch to North Building, Asylum for the Insane, London; Addition to East Wing of the Asylum for the Insane, Kingston; Residence for Medical Superintendent, Asylum for the Insane, Brockville; Addition to Gaol, North Bay; and for Caretaker's Lodge on the Grounds of Osgoode Hall, Toronto.

Plans and specifications may be seen at this Department and at the above named institutions.

An accepted bank cheque payable to the undersigned for 5% on the amount of each tender for each of the above works will be required, and the bona fide signature in full, and business addresses of two parties as sureties must also be furnished.

(Signed) WM. HARTY,
Commissioner.

Department of Public Works, Ont.,
May 1st, 1896.



NOTICE TO CONTRACTORS

Laying New 6-Foot Steel Conduit

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, Ont., up to 5 o'clock p. m. of WEDNESDAY, JUNE 3RD, 1896, for laying the proposed new

6-FOOT STEEL CONDUIT

to replace the present wooden one from the connecting crib on Toronto Island to the bell buoy crib in Lake Ontario, a distance of about 2,358 lineal feet, including the laying of the necessary

TANKS, VALVES AND CONNECTIONS.

Drawings and specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after Wednesday, May 20, 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 2½ 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 any tender not necessarily accepted.

BERNARD SAUNDERS,
Chairman Committee on Works.

R. J. FLEMING,
Chairman Board of Control.
Toronto, May 8, 1896.



Sealed Tenders addressed to the undersigned, and endorsed "Tender for New Steel Hopper Barges," will be received at this office until Friday, the 22nd day of May, next, for the construction and delivery of two Steel Hopper Barges in accordance with a plan and a specification to be seen at the office of Mr. W. J. McCordick, Superintendent of Dredging at St. John, N. B.; at the office of Mr. A. P. Lepine, Post Office Building, Quebec, at the Minister's room, Post Office Building, Montreal, at the office of Mr. H. A. Gray, Resident Engineer, Confederation Life Building, Toronto, and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of tenders.

An accepted bank cheque for the sum of \$1,000, payable to the order of the Honourable the Minister of Public Works, must accompany each 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 Department does not bind itself to accept the lowest or any tender.

By order,

E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 14th April, 1896.



NOTICE TO CONTRACTORS

TENDERS FOR TANKS, GATES AND CONNECTIONS FOR NEW 6-FOOT STEEL CONDUIT

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, Ont., up to 5 o'clock p. m. of WEDNESDAY, JUNE 3RD, 1896, for the construction of one steel tank, 22 feet square and 16 feet deep, with three six-foot gates and hoisting gear.

One steel tank, 8 feet x 9 feet, 15 feet deep, with centre pillar and guides for wood gate, complete.

One steel tank, 6 feet x 7 feet, 14 feet 6 inches deep, with gates for stop logs. The necessary connections between the tanks, the existing shore crib, and the existing 5 feet steel conduit.

Drawings and specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after Wednesday, May 20th, 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 2½ 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 signatures of the contractor and his sureties, or they will be ruled out as informal.

Lowest or any tender not necessarily accepted.

BERNARD SAUNDERS,
Chairman Committee on Works.

R. J. FLEMING,
Chairman Board of Control.
Toronto, May 8, 1896.

SEALED TENDERS

Will be received up to JUNE 2ND for furnishing material and labor for slate roof for Town Hall, Aylmer, Ont. For specification and particulars apply to

JUNIUS T. BRADLEY,
Town Clerk

CONTRACTS OPEN.

ELORA, ONT.—Alex. Petrie will erect a residence to cost \$2,000.

WINGHAM, ONT.—George Shaw is laying the foundation for a brick block.

SAND CREEK, B. C.—It is reported that H. J. Edson will erect an hotel here.

ST. STEPHEN, N. B.—The Town Council is discussing the erection of a poor house.

WESTMEATH, ONT.—Tucker & Hodges will in all probability rebuild their mill recently burned.

EDMONDVILLE, ONT.—John McCaa is preparing to build a two-storey brick veneer residence.

DUNDAS, ONT.—A new school room in connection with the Methodist church will likely be erected.

SUSSEX, N. B.—The Presbyterians have purchased a site and will erect a Sunday School building.

LISTOWELL, ONT.—Excavations are being made for the foundation of the new residence for W. G. Hay.

MILTON, ONT.—The Town Council have asked several engineers to submit plans for a drainage system.

KASLO, B. C.—The council will in all probability construct electric light and waterworks systems this summer.

ACTON, ONT.—The Beardmore Belting Co. will build 100 new vats of 4 in. pine, 7' x 9', also 20 soaks of the same size.

GALT, ONT.—By-laws have been carried to raise \$7,500 for waterworks extensions and \$4,000 for market improvements.

MERRITON, ONT.—Dr. Vanderburg will shortly let the contract for a brick building, to be used as a drug store, 18 x 20 feet.

ST. THOMAS, ONT.—The City Engineer has estimated the cost of an electric plant for lighting and railway purposes at \$57,000.

ROSSLAND, B. C.—It is understood that the main line of the Great Northern railway will be extended to this town at an early date.

AMHERST, N. S.—The Amherst Boot & Shoe Co. propose erecting, at an early date, a brick warehouse, 117 x 40 feet, two storeys high.

STRATFORD, ONT.—The Board of Works will ask for an appropriation of \$10,000 to improve the streets and build three new bridges.

SPRINGHILL, N. S.—The Board of Trade is urging the construction of a system of waterworks, the estimated cost of which is \$100,000.

CORNWALL, ONT.—Work is shortly to be commenced on the erection of a general hospital, for which purpose the sum of \$10,000 was donated by the late Andrew Purcell.

TILBURY, ONT.—William C. Crawford, Reeve, will receive tenders until the 25th inst. for the purchase of debentures to the amount of \$6,724.27, running for a term of 25 years.

MONCTON, N. B.—L. Higgins, shoe merchant, will erect a brick residence.—It is understood that the Merchants Bank of Halifax are negotiating for a site upon which to erect a banking office.

PEMBROKE, ONT.—The directors of the Pembroke Southern Railway have decided to commence the preliminary survey of the road at once, under the superintendence of Mr. J. L. Morris, C. E.

COLLINGWOOD, ONT.—Estimates have been prepared of the cost of cement and brick walks to be built this season. The amount required is placed at \$9,892.77.

ST. CATHARINES, ONT.—W. H. Bunting will receive tenders until noon of the 16th inst., for the erection of a double brick dwelling house. Plans may be seen at the office of S. G. Dolson, architect.

PORT HOPE, ONT.—The question of the construction of an electric railway between Port Hope and Pontypool, extending to Kendall, Orona, Osaca and other places, is being agitated by the citizens.

TRURO, N. S.—Elliot & Hopson, architects, of Halifax, have been commissioned to prepare plans for a building to be erected here for the Merchants Bank of Halifax, to be brick, with stone trimmings.

MILVERTON, ONT.—At a public meeting, to discuss the building of a new school, it was decided to purchase the Pugh property as a site. The by-law to grant \$4,000 for its erection will shortly be submitted to the ratepayers.

BELLEVILLE, ONT.—Alderman Hungerford has laid before the City Council a proposition to erect a charcoal blast furnace capable of turning out 60 tons of pig iron per day, in consideration for a free site, exemption from taxation and \$100,000 bonus.

ARNPRIOR, ONT.—Re school improvements, James Mather, architect, of Ottawa, writes: "There will be additions and improvements to present building, with heating and ventilation; brick and stone; steel beams, etc. Cost, including equipment, \$4,000.

VANCOUVER, B. C.—The Vancouver Marine Railway Company has been organized to construct and operate marine railways, ship locks, dry docks, etc. The promoters are Robert Hamilton, G. Griffith and W. H. Armstrong. Capital, \$500,000.

RENFREW, ONT.—At a meeting of the Town Council it was resolved that a competent engineer be employed to prepare estimates of the cost of a system of sewerage for the town.—Tenders are now being received by Robert McLean, Chairman Building Committee, for the erection of a brick Presbyterian church.

ST. MARYS, ONT.—Dr. Sparks will erect a new residence on Church street north.—A public meeting of citizens was held last week to discuss the question of waterworks construction, at which it was decided that steps should be taken at once with a view to carrying out the work.—M. Dennee will rebuild the structures recently burned.

ST. JOHN, N. B.—The directors of St. John Street Railway Co. have decided in favor of building extensions to the park and cemetery.—The Board of School Trustees have accepted the plans submitted by G. E. Fairweather, architect, for the new High School building, provided the building can be erected within the appropriation of \$40,000.

KINGSTON, ONT.—A committee of the Alma Mater Society of Queen's College have adopted the general plans of Prof. Dupin, for a building, 60 x 22 feet, for a gymnasium. Building operations are to be proceeded with at once.—The City Engineer invites tenders until the 28th inst. for constructing a granolithic sidewalk on north side of Princess street, from Sydenham street to Clergy street.

WINNIPEG, MAN.—Plans for repairs and improvements to St. John's cathedral have been prepared by W. Chesterton, architect.—D. H. McMillan, provincial treasurer, will receive proposals until the 30th inst. for the purchase of \$100,000 of drainage debentures.—The Martin, Bole, Wynn Co. have had plans prepared for a wholesale drug warehouse, corner King

and McDermott streets, 33 x 90 feet, five stories high, with basement.

GUELPH, ONT.—The City Engineer has prepared plans of, and will call for tenders for an iron foot bridge of two spans, 96 feet each, to span the Speed river, at a cost of \$1,300.—J. D. Hutton will erect a residence from plans prepared by G. R. Bruce, architect. Cost \$4,500.—The construction of two new bridges has been recommended by the City Council.

CHATHAM, ONT.—At the June session of the County Council an order will likely be passed to fit the jail and court house with proper heating apparatus.—Re new school buildings, C. R. Oldershaw, architect, writes: "They will consist of a large model school, with twelve rooms, and an addition to present building. Materials to be employed, metal roofing, electric bells, plumbing, school furniture, etc. Cost of model school, \$24,000, of addition, \$6,200. Tenders received until the 20th inst."

LONDON, ONT.—Tenders are being received for a cottage at Springbank for the Water Commissioners. Plans at the office of Moore & Henry, architects.—Permits for buildings have been granted as below: S. B. Coon, two-storey brick veneer residence on Dundas street, cost \$1,500, and brick veneer residence on east side of Wellington street, cost \$2,200; C. E. Anderson, Dundas street east, row brick stores between 662 and 670 Dundas street east.—The Lieutenant-Governor in council has approved of the issue of \$20,000 of debentures by the Water Commissioners.

VICTORIA, B. C.—Simon Leiser has purchased property, corner Yates street and Waddington alley, and will construct a four storey brick building thereon.—The plans of F. M. Rattenbury, architect, have been selected for the new building to be erected in this city for the Bank of Montreal. The structure will be 30 x 66 feet, four storeys high, with basement, and will contain bank offices, lunch room, dressing room, vaults and steam heating plant. The floors of the corridors will be laid with marble slabs.—Competitive designs for a Burn's memorial will be asked for shortly by the joint committee of the St. Andrews and Sir William Wallace Societies.

OTTAWA, ONT.—Robert Cowley, of Ottawa West, proposes erecting two brick houses.—The City Council has given notice of its intention to construct an artificial stone sidewalk on both sides of Queen street, between Elgin and Banks streets, at a cost of \$4,953.40.—The time for receiving tenders for Grenville canal enlargement has been extended until noon on Saturday, the 23rd inst. J. H. Balderson, Secretary Department of Railways and Canals.—Steps will probably be taken at an early date by the Public School Board to improve the school buildings.—It will require between 4,000 and 5,000 feet of lead pipe to carry the water supply from the city limits to Rockcliffe. Two inch pipe is likely to be used for the purpose.—J. H. Balderson, Secretary Department of Railways and Canals, will receive tenders until Friday, the 29th inst., for the supply of 14,000 barrels, or any portion thereof, of Portland cement. Specifications at office of chief engineer.

MONTREAL, QUE.—It is the intention of the Bell Telephone Co. to place all their wires underground. This will necessitate the construction of subways through St. Peter, St. Charles Borrome and St. Alexander streets.—Joseph R. Roy, C. E., of this city, is now engaged in connection with the extension of the Montreal and Ottawa railway through Caledonia Springs to Ottawa.—The directors of the Royal Electric Company have decided to proceed at once with the develop-

ment of the water power at Chambly. It will be owned by the Chambly Manufacturing Co., the members of which have subscribed \$30,000 each.—Plans are being prepared and tenders will shortly be invited for the erection of a new R. C. church at St. Lambert. G. A. Monette is the architect. Gamelin & Huot, architects, are preparing plans for a house on Mance st. for Mr. Lafrenesse, with pressed brick front.—L. R. Montbriand, architect, invites tenders for two stores on Bleury street, for Jos. Levesque. Building permits have been granted as follows. One building, 45.6 x 37 feet, on Prince Arthur street for Auguste Lachopelle; reparations of a house on University street, for McIntosh & Hyde.

HAMILTON, ONT.—Mr. Robert Thomson, lumber merchant, has purchased the Brown-Balfour building on James street south, and will remodel the same at a cost of \$2,000.—Mr. Mills, architect, is preparing plans for the power house for the Hamilton Radial Railway Co. It will be of brick, 53 x 100 feet, and will contain three boilers and two engines each of 250 h.p. The chimney will be fourteen feet in diameter at its base and 108 ft. in height.—The new building for the Excelsior Egg Preserving Co., of Chicago, will be brick, three stories, with basement, fitted with latest machinery. Estimated cost \$40,000.—H. P. Brown, C. E., of New York, has been engaged to make surveys by the Hamilton Radial Railway Co.—The directors of the Y. M. C. A. are making an effort to secure the sum of \$6,000 for extensive changes in the Y. M. C. A. building. It is proposed to provide a swimming bath 15 x 50 feet, two bowling alleys, locker rooms, boys' room, educational class rooms, retiring rooms, etc.—It is said to be the intention of James Scott, who recently purchased the block corner King and James sts., to improve the premises and put in plate glass windows.—W. A. Edwards, architect, will receive tenders until Saturday, the 16th inst., for the erection of a brick residence on Hughson street north for R. E. Gallagher, and for a brick residence on Elgin street for Edwin Pass.—Building permits have been granted as follows. Robert Whyte, two-storey brick dwelling on Barton st. east, cost \$2,000; James Mercer, three brick dwellings, corner of Cannon and Bay sts., cost \$3,000.—The report of the Sewers Committee, recommending that \$85,000 be raised for supplying the system of sewage interception as is used in Canton, Ohio, has been passed by the City Council.

TORONTO, ONT.—The City Council has given notice of its intention to construct the following works: Brick sidewalk on east side of York street, from Wellington street to the Rossin House lane, cost \$600; concrete sidewalk on south side of Front street, from 100 feet west of York street to 52 feet east of Simcoe street, cost \$870; brick pavement on Prince Arthur avenue, from Avenue road to 628 feet west, cost \$4,250; concrete sidewalk on Queen's Park crescent, from College street to a point 239 feet north, thence northwesterly 287 feet, cost \$684.—The village of North Toronto have under consideration the question of lighting the town with electricity. A committee has reported that it would entail an expenditure of \$7,000.—An effort is being made to secure the erection of a new Baptist church on Tecumseh street, on the site of the present Baptist mission.—Tenders are invited by the Committee on Works until the 20th inst. for the supply of coal at the main pumping station for the year ending 1st May, 1897.—Tenders close on Saturday next, the 16th inst., for the construction of the various works in connection with Ontario public buildings.—The City Engineer will report on the cost of constructing groynes at the points on the south and west shores of the Island,

where the beach is in danger of being washed away.—Tenders for erecting an addition to the John Eaton Co.'s store are invited until the 20th inst. Plans to be seen at the office of A. R. Denison & Co., architects.—The property owners are circulating petitions for an asphalt pavement on Front street, from Bay to Simcoe, and a macadam roadway on the east crescent in the Queen's Park.—Some of the property owners on Berkeley street have withdrawn their names from the petition for the construction of an asphalt pavement.—The Industrial Exhibition Association has applied to the Council for the repair, improvement and enlargement of the main building and machinery hall, at an estimated cost of \$26,000.—The civic estimates for 1896 contain the following items: additions to Jarvis street school, \$2,683; Queens Park roadway, \$4,000; filling in ramp at John street bridge, \$2,000; extension of sewers to deep water, \$5,000; Sherbourne street bridge, \$1,791; culvert on McPherson avenue, \$1,051. sand pump, \$18,000; special improvements at St. Lawrence market, etc., \$5,950; improvements, Queen's Park, opposite Parliament buildings, \$3,000; permanent improvements in the several parks, \$13,475.—Building permits have been granted as follows: National Club, 2 storey bk. extension in rear of Club House, Bay st., cost \$7,000; David Austin, det. 2 story and attic bk. dwelling, 144 Howland ave, cost \$2,500.

FIRES.

The general store of Levesque & Coté, and five other buildings at South Durham, Que., were consumed by fire on Saturday last. Loss partially covered by insurance.—A saw mill about three miles from Dashwood, Ont., owned by Henry Willert, has been burned. It will be rebuilt.—The flour mills at Stony Point, Ont., owned by Samuel Mathers, were burned on the 6th inst. Loss \$6,000; insurance \$2,000.—The residence of William Harrington, Bass River, N. S., has been burned.—A four storey brick factory building at 7 Ontario street, Toronto, occupied by C. W. Hurdall & Co., was recently damaged by fire to the extent of \$2,000, fully covered by insurance.—The works of the Toronto Lead & Colour Co., Adelaide street west, Toronto, were damaged by fire to the extent of \$2,000. The building is owned by the Strathy estate.—Buse's saw mill and kiln, at Hastings, B. C., were burned on May 4th. The buildings and machinery were valued at \$12,000.—Three mills of the Hawkesbury Lumber Co., at Hawkesbury, Ont., were destroyed by fire on Monday last. The loss will reach about \$50,000, which is largely covered by insurance.—George Todd & Son's stove and plough foundry at Fredericton, N. B., has been burned. Loss \$3,000.—A shingle mill belonging to C. E. Burnstead, situated four miles from Owen sound, township of

Keppel, was burned last week. Loss, \$1,500, no insurance.—Fire has destroyed J. H. Lyon's brick residence at Carberry, Man., at a loss of \$6,000.—The Northern Pacific Hotel, Wawanesa, Man., has been burned. Loss, \$10,000; insurance \$5,000.

CONTRACTS AWARDED.

ST. CATHARINES, ONT.—J. H. Beatty, of Beamsville, has received the contract for an addition to the Ellis House.

PALMERSTON, ONT.—The contract for rebuilding Knox Church has been given to Mr. Woodridge, at the price of \$5,085, exclusive of seating.

NEW WESTMINSTER, B. C.—The Market Commissioners have awarded the contract for the new market building to H. J. Wilson. Price, \$3,695.

MITCHELL, ONT.—Avery & Tarco and Davis & Eigerman have been given the contract for the erection of stores for J. F. Middlemiss and J. J. B. Little.

ORILLIA, ONT.—Kennedy, McVittie & Co., architects, have just let the contract to S. Pomeroy, for a three-storey brick store, 33 x 80 ft., for the Edwards Estate.

GUELPH, ONT.—The Guelph Pavement Co. have been awarded the contract of laying the cement sidewalks of the city. They have also several private contracts for sidewalks for residences.

BARRIE, ONT.—The contract for the additions to the Model School has been awarded to Jas Davenport, of Midland. The heating and plumbing of same building is to be remodelled throughout, the contract being awarded to Keith & Fitzimmons, of Toronto. Kennedy, McVittie & Co., architects.

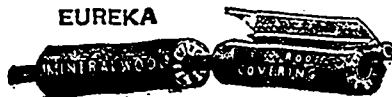
ACTON, ONT. The following contracts have been let for H. P. Moore's residence. Brick, stone, plaster and excavation work, H. Hill, Brampton; painting, Mr. Bertridg, Toronto; plumbing, Purdy, Mansell & Mashinter, Toronto; slate, copper and iron work, Hutson & Son, Toronto; heating, Gurney Foundry Co., Toronto; art glass and mantels, not contracted for. J. A. Ellis, architect.

HAMILTON, ONT. A. W. Peene, architect, has awarded contracts as follows for a brick church and Sunday School for the Emerald street congregation. Mason and brickwork, T. Lovejoy; carpenter work, R. Press; iron work, Thomas Irwin & Son; plastering, Hannaford Bros.; plumbing, Snoddy Bros.; heating and ventilating, Burrow, Stewart & Milne. Amount of tenders, \$9,736.50.

MONTREAL, QUE.—J. B. Resther & Son, architects, have awarded the contract for masonry for a building on Mount Royal avenue, for Benj. Deslauriers, to E. Picard.—J. H. Macduff, architect, has awarded a contract for reparations of a house on Richeheu street to Etienne Robert. Jos. Guy, proprietor.—W. McLea Walbank, architect, has awarded

(Concluded on Page 4.)

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contracts as follows for a tenement house, solid brick, on St. Charles Borromeo st., for Christie. Brown & Co.: Masonry, Barbeau & Fournier, carpenter and joiner's work, T. & D. Keen, iron work, Dominion Bridge Co. -- Jos. Sawyer, architect, Westmount, has awarded contracts as follows for a house on Chatham street for L. R. McGregor. Masonry, L. Vermette, brick, V. Decarie; carpenter and joiner's work, Alf. Boire; plastering, S. Gosselin, plumbing and roofing, J. Thibault; painting and glazing, Navert & Labaucette.

TORONTO, ONT.—The village of East Toronto have disposed of \$10,000 of debentures to G. A. Stimson & Co., at 103½.—Purdy, Mansell & Mashinter, of this city, have been awarded the following contracts: plumbing, gasfitting, steam heating and ventilating of the Guelph General Hospital; hot water heating of building, 60 Bay street, Toronto, for G. R. R. Cockburn, and for residence at Port Arthur for Thomas Marks.—The Board of Control have accepted the following tenders. cylinder oil, 53 cents, engine oil, 34 cents, S. Rogers & Co.; lubricating grease, 6 cents per pound, Bushnell & Co.; boiler purger, 4 cents per pound, McColl Bros.; rubber goods, Gutta Percha Rubber Company; repairing asphalt pavements, Construction & Pavement Company.—Strickland & Symons, architects, have awarded contracts as follows for alterations to the National Club, Bay street: Masonry, carpentry and brickwork, W. L. Huddart; plastering, Hoidge & Son; painting, glazing and decoration, McCausland & Son; roofing and galvanized ironwork, Wheeler & Bain.

NEW COMPANIES.

OTTAWA, ONT.—Ottawa Specialty Mfg. Co., seeking incorporation; object, to manufacture wooden and metalware furniture, interior fittings, etc.

LONDON, ONT.—Scribner Organ Co., incorporated by F. G. Rumball, Wm. McIntosh and others. Object, to manufacture organs and cabinetware.

HALIFAX, N. S.—North American Paper & Lumber Co., seeking incorporation; capital stock, \$2,500,000. Objects, to manufacture lumber, pulp, paper, etc.

TORONTO, ONT.—Manitou Wood Mfg. Co., applying for incorporation, to manufacture lumber, furniture, pulp, etc.—Canadian Metallic Monument Company, incorporated; capital \$45,000. James Bowden, R. Drury, W. T. Reid, J. W. Reid and C. W. Conner are the promoters.

MONTREAL, QUE.—Masterman Sulphate Pulp Co., applying for incorpora-

tion, capital, \$300,000, applicants, Wm. Masterman, J. A. Bauden, A. S. Masterman and others.—Dominion Glass Co., seeking incorporation, capital \$20,000, applicants, Henry Hogan, Joseph Breslau, Hon. A. Desjardins and others.

VANCOUVER, B. C.—Bunker Hill & Blackwood Mining Co., incorporated, capital, \$500,000; promoters, E. E. Evans, C. T. Dunbar, O. Plunkett, McIvor Campbell, of Vancouver. Victoria Gold Saving Machinery Co., incorporated, capital \$50,000. The members are C. S. Douglas, G. L. Allen and Alex. Bethune.

WESTVILLE, N. S.—Westville Foundry and Machine Co., Ltd. The directors are J. D. Weir, M. McLeod, Struan Robertson, George Munro, Robert McDonald, James McLeod, Wm. McDonald and R. M. Langville, of Westville, and H. R. Munro, of Stellarton, N. S. Objects, to manufacture mill machinery, waterworks supplies, etc.

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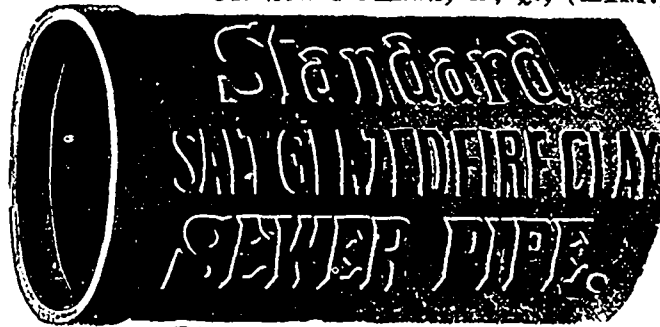
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LEGAL DECISIONS AFFECTING MUNICIPALITIES.

CANADIAN PACIFIC RY. CO. V. TOWNSHIP OF CHATHAM.—This was an action tried in the Supreme Court of the Dominion of Canada. After the construction of certain drainage works under the provisions of the Municipal Act, R. S. O., ch. 184, s.s. 569 and 576, which benefitted lands in an adjoining township, it was found necessary to construct a culvert under the line of the Canadian Pacific Railway in order to carry off the water brought down by the drain and prevent damages by the flooding of adjacent lands. By contract under seal entered into by plaintiffs and defendants, the plaintiff agreed to construct and did construct the needful culvert at a cost of over \$200. On its completion the works were accepted and used by the municipal corporation, certain officials of the corporation having assured the plaintiffs that should the funds provided under the original by-law for the construction of the drainage works prove insufficient, the necessary amendments would be made under sec. 573 of the Municipal Act, and the additional sum so required obtained. The municipal council passed resolutions approving of the work and paid sums on account, but did not pass a new by-law or make any report or fresh assessment respecting the contract with the plaintiffs or the works executed thereunder. Held, reversing the decision of the Court of Appeal (22 A. R. 330) and of the Divisional Court (25 O. R. 465), Taschereau, J., dissenting, that as the work done by the plaintiffs under the agreement were absolutely necessary to the efficient completion of the drainage works contemplated by the original by-law, the case came within the provisions of the 573rd section of the Municipal Act, R.S.O., c. 184, and the contract under which it had been executed was binding upon the defendants. Held, Taschereau, J., dissenting, that the plaintiffs were guilty of laches in neglecting to ascertain whether the corporation was acting *intra vires* before entering upon their contract, and that it would be contrary to the policy of the statute to grant them a recovery which would be so largely in excess of the expenditure contemplated by the original by-law. Appeal dismissed with costs.

TOWNSHIP OF MOORE V. COUNTY OF HURON.—Section 14 of the Municipal Amendment Act, 1894, 57 Vict., c. 50 (O.) must be read with sec. 8, sub-secs. 43 and 48 of the Interpretation Act, R.S.O., c. 1, so that rights of action acquired at the passing of the said Act of 1894 are not affected thereby. On the 29th April, 1893, a township corporation obtained an

award against a county corporation under sec. 523a (O.) of the Consolidated Municipal Act, 1892, for part of the cost and maintenance of certain bridges. An appeal against the award was successively made to a judge, and to the Court of Appeal, the appeal being dismissed, but while appeal was before the Court of Appeal, the 57 Vict., c. 50 (O.), was passed. Held, that the award was not a pending award at the date of the passage of the said Act, 57 Vict., c. 50 (O.) The plaintiffs were held entitled, notwithstanding the repeal of sec. 533a (O.), to recover the amount expended on the said bridges; but varying the judgment of the learned judge at the trial, by allowing, not merely the amount expended up to the date of the passing of the 57 Vict., but the township's proportion of the amount actually expended.

PAPER PAVING BLOCKS.

The press dispatches announce the invention of a new material made from wood straw, or waste paper and rags, reduced to a pulp by the same processes as for making paper, which has been patented by William P. Emery, of Topeka, Kan. The material is said to be very compact and strong, being about the same weight as oak, takes a spike or nail and can be sawed like wood, and is designed for railroad ties, street and sidewalk paving, and underground conduits for electric wires. The process of producing this material is the reduction of the pulp to the consistency suitable to go on the rolls for paper making. At that point sulphate of zinc is introduced as a preservative of the fiber from decay, and other chemicals are introduced of a binding nature, making the product waterproof. It is said also to be frost proof and not affected by extreme changes from heat to cold, and will stand as high as 250 degrees of heat. It is pressed into desired form by hydraulic pressure of from 2,000 to 12,000 pounds per square inch, and then subjected to heat and vulcanized. It is not fireproof, but burns very slowly and is harder to ignite than wood. It is elastic, noiseless, smooth and tough. In cost it is said to be about the same as first-class oak, and is promised to last twice as long. It has been tested by the government engineer in charge of the jetty system at Galveston, Tex., and after six months test in the water was found to be teredo proof.

The assessable land in the city of Ottawa is valued at \$8,111,745, and the buildings and improvements at \$11,375,425. The commissioner gives the value of the personal property at \$1,284,800, and the assessment on income as \$349,750; making the total value of the assessable property for 1896, as revised by the Court of Revision and the County Judge \$21,121,720. This is an increase of \$1,322,625 over 1895. Of this increase \$348,820 is on the land and \$504,080 on buildings and improvements. There was a decrease of \$30,273 in personal property from 1893.

TESTING WOODEN PAVEMENTS.

The authorities of Berlin, says a writer in *Hardwood*, have concluded after a period of investigations and tests covering a period of fifteen years or more, to maintain the wood pavement where there are horse car lines, and have already paved with wood some 67,000 square meters, using for the purpose nearly three and one-half million blocks, or fifty-two blocks to the square meter. The tests comprised forty-two streets, squares and bridges, and of the woods used 23,000 square meters were paved with German pine, 15,000 with Swedish pine, and about the same quantity with beech, 10,000 with American yellow pine, and a smaller surface with American cypress. The wood pavement, it is also stated, has proved superior to asphalt in Paris, except for the boulevards and pleasure drives, and as in Berlin, is preferred on streets subject to great wagon traffic. The greater part of the wood used for paving by the Parisian authorities is spruce from the department of Landes, some foreign woods being also used, among which is one from Anam called *ciem*, so heavy as to weigh 1,200 kilograms per cubic meter, or about double the weight of red gum. The Australian jarrah has also been tried, and a species of rubber tree, the wood of which weighs about 1,100 kilograms per cubic meter; and karri has also been added to the list, and a species of wood from Java.

EXPANSION AND CONTRACTION OF CONCRETE.

In an article published in the *Annales des Ponts et Chausees*, M. Dutoit remarks that the expansion and contraction of the concrete in large reservoirs, due to the changes of temperature, are so large as to cause cracks, which open in the winter and close in the summer. If these cracks are filled up, fresh ones open near them, so that it is useless to repair them. The new covered reservoirs at Paris are built of a silicious stone, and were it not for these fissures, it would have been set in concrete, so as to form one homogeneous mass, sufficient to have proportioned the walls for stability, and to set them on solid earth. The foundation is, however, on a bed of gypsum and marl, and its soundness would be affected were water to reach these beds. To prevent this, drainage tunnels of elliptical section were formed on the floor of the reservoir, which intercept any leakage, so that it can be carried clear of the foundations. The walls of the reservoir below ground are similarly surrounded with broken stone placed in a trench, the bottom of which is plastered and sloped, so as to lead off any water getting through the walls into the drains.

Domestic Engineering says it has recommended for the State Board of Health of Michigan, that pioneer in sanitary work, to take a distinctly forward step in the education of the people concerning the distribution of contagious and communicable diseases. The law of the state, passed last year, requires "that there shall be taught in every year in every public school in Michigan the principle modes by which each of the dangerous communicable diseases are spread and the best methods for restriction and prevention of each such disease." The state board annually sends the necessary printed forms.

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CONDITION OF THE MARKET.

TORONTO: The volume of trade in builders' supplies on city account is small, but in the country a better demand is noticeable. The improvement noted in plumbers' supplies has been maintained. Inquiries for galvanized iron are coming in freely for quantities from stock, while the demand has also increased for iron and lead pipe. Glass is also firm, but the volume of business is still light.

MONTREAL: There has been little development in the building trades during the past week, and few sales of supplies have been made. A fairly active business is reported in cement, but the demand is chiefly for small lots, both from western and local buyers. Firebricks continue to receive some enquiry at \$17 to \$21. There is little doing in lead pipe, pig lead and galvanized iron.

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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 1/2 and 2 1/2 inch, per 100 lbs., 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 1/2 and 2 1/2 inch, per 100 lbs., 2 and 2 1/4, 1 1/2 and 1 1/4, 1 1/4, etc.

STEEL WIRE NAILS.

Table with columns for Toronto and Montreal prices for Steel Wire Nails, 75 % discount from printed list.

Iron Pipe:

Table with columns for Toronto and Montreal prices for Iron pipe, 3/4 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, per lb., 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.