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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

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.

SEPTEMBER 14, 1898

No. 3.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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

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

Advertising Rates on application.

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Tenders for Warehouse

Sealed Bids or Separate Tenders for a FIVE STORY BRICK WAREHOUSE, to be erected in London, will be received until 5 p.m., SEPTEMBER 20TH.

MOORE & HENRY, Architects,
London, Ont.

TENDERS WANTED

The Town of Cobourg, Ontario, will receive separate tenders, addressed to John Purser, Chairman of the Fire, Water and Light Committee, until 12 o'clock noon, of the 31ST OF OCTOBER NEXT,

1st. For the Supply of Water for Fire Protection and Public Use, and
2nd. For Lighting the Streets of the Town.

For particulars address the undersigned.

D. H. MINAKER,
Town Clerk

Cobourg, Ont., Aug. 30th, 1898.

TENDERS for City of Calgary DEBENTURES

Sealed tenders, marked "Tender for Debentures," will be received at the office of the undersigned up to the FIRST OF OCTOBER, 1898, for the purchase of \$25,000 CITY OF CALGARY DEBENTURES. Said Debentures are redeemable in twenty-five years from the first day of September, 1898, and bearing interest at the rate of four per cent. per annum, payable half-yearly.

The highest or any tender not necessarily accepted.

C. McMILLAN,
City Clerk.

Calgary, Alberta, 26th August, 1898.



Notice to Contractors

Tenders will be received, by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on WEDNESDAY, SEPTEMBER 21ST, 1898, for the construction of the following works:—

CONCRETE SIDEWALKS:

Carlton Street, south side, from Church Street to Jarvis Street.

York Street, east side, from Front Street to a point 285 feet north.

Front Street, south side, from Scott to Church Street.

BRICK PAVEMENT:

Prospect Street, from Parliament Street to Rose Avenue.

MACADAM ROADWAY:

Macpherson Avenue, from Yonge Street to a point 1,330 feet west.

Plans and specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after Saturday, September 10th, 1898.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 2½ per cent on the value of the work tendered for, 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.

JOHN SHAW, (Mayor),
Chairman Board of Control.

City Hall, Toronto, September 6th, 1898.



FURNITURE AND CARPETS

Tenders, addressed to the undersigned, will be received, through registered post, up to noon on

FRIDAY, THE 23RD INST.,

for supplying the Furniture and Carpet required for the Council Chamber in the new City Buildings.

Plans, drawings and specifications may be seen on and after Tuesday, the 13th instant, at the office of Mr. E. J. Lennox, Architect, corner of King and Yonge streets, from whom any additional information required may also be obtained.

Each and every tender must be accompanied by a marked cheque, or cash deposit of 5 per cent. of the amount thereof, unless the same exceeds \$1,000, in which case the deposit must equal 2½ per cent. of the amount thereof.

Should any person or persons whose tender is accepted fail to give security satisfactory to the City Treasurer for the due fulfilment thereof, his or their deposit will be forfeited to the city.

The deposits of unsuccessful tenderers will be returned. The lowest or any tender not necessarily accepted.

JOHN SHAW, (Mayor),
Chairman Board of Control.

City Hall, Toronto, September 9th, 1898.

MACHINERY AND PLANT FOR SALE

Two Electric Motors, nearly new, 500 volts each; two large double stiff-legged Derricks, with booms; one large guy Derrick; two single stiff-legged Derricks; Wire Guys, about 3,500 lbs.; one SCOW, 45 x 18 feet; a lot of Steel Wire Falls; Hoisting Machinery, valued at \$225. Apply to G. H. MAY, Accountant, 45 Wellington Street East, Toronto.

CONTRACTS OPEN.

ST. HYACINTHE, QUE.—A new central market will likely be built here.

WESTPORT, ONT.—Dr. Berry has commenced the erection of a dwelling house.

EDMONTON, N. W. T.—The Greek Catholics are building a church, 32 x 44 feet.

FROME, ONT.—I. N. Wheeler will probably erect a store building in this village.

PARRY SOUND, ONT.—It is proposed to macadamize the country roads in this vicinity.

MOOSE JAW, N. W. T.—Excavating has been commenced for a new hotel to be built by Mr. Karn.

TORONTO JUNCTION, ONT.—The Hall Manufacturing Company purpose erecting another building.

VICTORIA, B. C.—Work is being proceeded with gradually on the extension of the sewerage system.

SEAFORTH, ONT.—The Seaforth Telephone Co. expect to commence work on their system at an early date.

MIDLAND, ONT.—The Grand Trunk Railway Co. will likely increase their elevator accommodation at this point.

VERNON, ONT.—The Anglican congregation purpose erecting a new church, for which a site will shortly be selected.

ST. GREGOIRE, QUE.—The municipality has decided to borrow the sum of \$50,000 for the erection of a new school.

GALT, ONT.—The plans for the new G. T. R. passenger station are said to have been completed. It will cost \$10,000.

OXENDEN, ONT.—The trustees of school section No. 2 will borrow the sum of \$900 for enlarging their school house.

HARROW, ONT.—William Warner & Co. are erecting a two storey factory here, to be used as an apple drying establishment.

TARA, ONT.—J. Biette & Co., whose saw mill at Chelsey was destroyed by fire recently, have decided to locate in this village.

LACHINE, QUE.—It is expected that steps will be taken at an early date to secure the construction of a sewerage system.

ST. CATHARINES, ONT.—J. Rollson, city clerk, gives notice of the intention of the council to construct a number of concrete sidewalks.

STRATFORD, ONT.—Proposals for the purchase of \$30,000 of debentures will be received by William Lawrence, city treasurer, up to Friday, 16th inst.

NICOLET, QUE.—A wind storm has torn down the superstructure supporting the metallic roof of the new cathedral. The loss is estimated at \$5,000.

DESERONTO, ONT.—The town wants offers up to October 1st for the purchase of \$25,013.66 of 4 per cent. debentures, payable in thirty yearly instalments.

HALIFAX, N. S.—The proposition to erect a large summer hotel in this city has again been revived, and it is hoped that some definite action will shortly be taken.

NEW WESTMINSTER, B.C.—The School Board have found it necessary to provide increased accommodation for pupils, and will probably erect a new school at an early date.

PETERBORO, ONT.—S. R. Armstrong, town clerk, on behalf of the corporation, invites tenders up to September 15th, at 5 p.m., for the construction of 6,000 feet of 12 and 15 inch sewers.

PEMBROKE, ONT.—Dr. Drewson, of New York, and his brother recently made an extensive tour of the pulp wood districts of the Petawawa river, with the view of establishing large pulp mills in that vicinity.

CORNWALL, ONT.—The town council accepted the tender of John Foley, of Ottawa, for the construction of granolithic walks, at 16 cents per square foot. Mr. Foley afterwards notified the Council that he had made an error in his tender, and in consequence it has been decided to invite new tenders for the work.

FREDERICTON, N. B.—A strong feeling prevails among the aldermen in favor of purchasing a steam road roller.—Plans have been completed for proposed alterations to the Temperance Hall to meet the requirements of the Y.M.C.A., and tenders for the work, which will cost \$3,000, are invited.

QUEBEC, QUE.—A meeting of the Quebec Bridge Co. was held last week, to consider matters pertaining to the construction of a proposed bridge across the St. Lawrence. It was decided to at once invite tenders for the construction of the bridge, which will be 3,310 feet in length. Mr. Ulric Barthe is secretary of the company.

HULL, QUE.—Tenders for lighting the city by electricity will shortly be invited.—A communication was last week received from H. Walters & Son stating that they desired to negotiate for the purchase of the water power of which they are at present the lessees. The company purpose extending their business, and desire a permanent location.

BROCKVILLE, ONT.—The council has given notice of its intention to construct granolithic sidewalks on the following streets. Perth street, both sides, King street to G.T.R., cost \$3,680; Church street, north side, Perth to Beecher street, cost \$1,340; King street, south side, Broad to St. Andrews street, cost \$478; King street, south side, Apple street to Kincade street, cost \$900.

ROSSLAND, B. C.—It is believed that the Kootenay Railway & Navigation Co., which has been formed to consolidate and extend the railway and steamboat service in British Columbia controlled by J. J. Hill, will build the Nelson & Bedlington railway in the near future. The line will be 53 miles in length, and will run from Kaslo to the southern end of Kootenay Lake.

WINDSOR, N.S.—Architects are invited to submit plans, by September 22nd, for a Methodist church to be built at this place, to be of brick, with stone trimmings, seating capacity of 500 in main auditorium, and 150 in balcony; school room to have seating capacity of 350, and complete building to cost about \$16,000. Particulars may be obtained from W. H. Roach, Secretary of Trustees.

PORT MAITLAND, N. S.—It is learned that a joint stock company is being formed to build a large hotel at this place, for which plans have been prepared. The building will be three stories, the two upper flats to comprise 28 bedrooms, and the lower part to consist of kitchen, dining room, ladies' parlor, office and entertainment rooms. Work will be commenced as soon as one-half of the capital stock is subscribed.

CHATHAM, ONT.—An electric railway from Ridgetown to Rondeau Park, near this city, is one of the probabilities of the near future.—J. L. Wilson & Son, architects, have prepared plans for a two storey residence.—On Monday, October 3rd, a vote of the ratepayers of Chatham will be taken on a by-law to raise \$19,769.44 by debentures to meet current expenses.

RAT PORTAGE, ONT.—The Waterworks Commissioners have taken over the contract for building a waterworks system, and will complete the work by day labor.—Buildings are in course of construction valued at \$134,000, chief among which are the following: Central and high schools, \$31,000; post office and government building, \$25,000; Hilliard opera house, \$20,000; Rat Portage Cold Storage Company's building, \$15,000; Presbyterian church, \$12,000; Hall's marine slip and foundry, \$10,000.

ST. JOHN, N. B.—Tenders closed on the 8th inst. for heating the Alms House by hot water or steam, as per plans prepared by R. C. John Dunn, architect.—The Board of Trade of this city will recommend the Common Council to assist in the construction of the proposed dry dock, on the lines suggested by ex-Mayor Robertson.—The lowest tender received by the common council for laying waterworks pipe was 59 cents per lineal foot. It has therefore been decided to carry out the work by day labor.

BRANTFORD, ONT.—In connection with the contract for flood prevention works, W. L. Innes has declined to accept the contract for sections A and D, and new tenders will be invited. W. E. Phin has also thrown up his contract for sections A and D, and the work has been awarded to Schultz Bros. The Board of Works have recommended that new tenders be called for section H, to be received up to 2 p.m. of the 16th inst.—The scheme to utilize the water power of Whiteman's Creek for the purpose of supplying electric light and power has been revived. There is a head of 18 feet.

VANCOUVER, B. C.—A by-law to raise \$10,000 for the extension of the sewerage system has been read a first time in council.—Considerable activity continues in the building trade, and during the past week contracts for the erection of another brick business block and several residences have been let. Work on the site of the proposed marine railway has also been commenced, while street improvements to the extent of \$90,000 are in progress.—The City Engineer has been requested to prepare an estimate of the cost of constructing a 24-inch sewer on Mount Pleasant street.

LINDSAY, ONT.—The Council has given Messrs. Culverwell and White-Fraser an extension of two weeks in which to complete arrangement for the carrying out of their power transmission scheme and the distribution of electric light and power in this town.—At the last council meeting a report was presented by the town commissioners on the sewers required to be built immediately, which showed the cost of same to be several thousand dollars.—Francis Mark is erecting a solid brick dwelling, 24 x 30 feet, near the G.T.R. station.

LONDON, ONT.—Only one tender having been received by the city for building a sewer on Central ave., it has been de-

cidated to wait until the trunk sewer is built past that point, when new tenders will be invited.—It is stated that tenders will be invited this week for the building of the new Normal school in this city. Moore & Henry, architects, want tenders up to 5 p.m. of Saturday, 17th inst., for the erection of a residence on Oxford street.—John Lewis has taken out a building permit for a residence at 153 Albert street, and Mrs. Hannah north will erect a brick veneer two storey dwelling on Richmond street north.

WINNIPEG, MAN.—The Union Shoe & Leather Co. will make a large addition to their shoe and tanning factory.—It is understood that Messrs. Gordon & Ironsides will build a number of cold storage warehouses at different points. The Winnipeg Amateur Athletic Association propose to erect at once a skating rink 130 x 80 feet. Next year it is proposed to erect a gymnasium in connection therewith.—The city council has resolved to invite tenders up to October 19th for constructing an asphalt pavement on Portage avenue. Tenders are this week being asked for a block pavement on Logan avenue, from Nena street to McPhillips street.

HAMILTON, ONT.—An application of the Police Commissioners to have a lot purchased for new central police headquarters has been laid over by the City Council until next year.—T. Beasley, city clerk, has invited tenders for constructing a pipe sewer on King street. The Fire and Water Committee last week decided to lay a two-inch water main on Wentworth street north.—Building permits have been issued as follows: E. Watson, residence on Stinson street, between Ontario and Garth ave.; two-story brick dwelling on King street, between West and Victoria ave., cost \$1,900; Stewart McPhie, brick store and dwelling, corner Queen and Hunter streets, for C. C. Baird, cost \$2,600.

OTTAWA, ONT.—The ratepayers sanctioned a by-law on Friday last to spend the sum of \$425,000 in constructing a main drainage system. The work will now be commenced, and it is estimated that nearly \$1,000,000 will be required before the trunk and main sewers are completed.—The Deschenes Electric Co. will, it is said, make another application to the city for a franchise for electric lighting and power.—The Grey Nuns have secured possession of a large building on Cathcart street, recently occupied by St. Joseph's Orphanage, and will make alterations to the building.—The following building permits were granted last week: Daniel O'Connor, jr., brick veneered house, west side Kent street, cost \$6,500; T. W. Bevin, brick dwelling and shop, north side Somerset street, cost \$1,800.

MONTREAL, QUE.—The Richelieu & Ontario Navigation Co. will shortly let the contract for the building of a new steamer, to cost in the neighborhood of \$250,000.—Peck, Benny & Co. have invited tenders for the reconstruction of their large rolling mills on Mill street which were recently destroyed by fire. The new buildings will have an area of 242 x 140 feet, with iron roof, and will be of fireproof construction. The firm contemplate adding a wire drawing plant. The rebuilding and equipment will involve an expenditure of nearly \$100,000.—The Canadian Pacific Railway Co. have received from the Department of Railways and Canals at Ottawa the necessary power to enable them to appropriate the land necessary for the extension of the Windsor street station.—The Road Committee will report to the City Council in favor of the sewage farm scheme, and will ask for funds to proceed with the work at once. The committee will also ask the council for \$1,000 to repair the flooring of the bridge on St. Catharine street east.

—A meeting of the directors of the Richeheu and Ontario Navigation Co. was held in this city last week, at which the enlargement of the company's hotel at Tadousac was authorized. The number of rooms will be increased from 140 to 250, and the smoking and dining rooms will be doubled in size. The directors agreed to co-operate with Mr. George Warren in erecting a large summer hotel at Murray Bay.—Work is progressing favorably on the new Catholic high school, corner of Lagachetiere and St. Genevieve streets, and the laying of the corner stone will take place on the 18th inst. The building will be constructed of Montreal limestone, pressed brick and terra cotta. Mr. W. E. Doran is architect. The Harbor Board passed a resolution last week requesting the harbor engineers to proceed at once with the construction of the proposed dry dock.—Hutchinson & Wood, architects, are preparing plans for a new building for La Press Printing Co., corner of St. James and St. Lambert's Hill. Work will be commenced in the spring of 1899.—The Montreal Water and Power Company are seeking to obtain permission from the city to utilize the new drains to be opened by them to lay their pipes to extend the water supply from St. Denis ward to Maisonneuve, which it is understood they will shortly undertake to supply.

TORONTO, ONT.—Tenders are invited by the city up to Friday, 23rd inst., for supplying the furniture and carpets required for the council chamber in the new city buildings. Plans are on view at the office of Mr. E. J. Lennox, architect, corner King and Yonge streets.—Several changes are proposed by the management of the Toronto Industrial Exhibition looking to the improvement of the buildings. These include an extension of 50 feet to the main building, an hydraulic elevator, the renewal of the implement building, the enlargement of the fruit building, and an addition to the grand stand by which its seating capacity will be increased about 8,000.—Representatives of the National Cash Register Co., of Dayton, Ohio, were in this city recently looking for a suitable site for a branch of their manufacturing business.—The city engineer presented to the Board of Works on Monday last recommendations for the construction of the following pavements: Brick pavement on Balmuto street, from Czár to Bloor street, cost \$2,690; macadam roadway on Mackenzie crescent, from Dovercourt road to North Lisgar street, cost \$1,930; asphalt pavement on Major street, from College to Bloor street, cost \$27,290; macadam roadway on Sumach street, from Gerard to Wellesley street, cost \$6,440; brick pavement on Spruce street, from River to Sumach street, cost \$2,610.—Mr. J. F. Brown, architect, is preparing plans for alterations to a residence on Avenue road, for Mr. J. L. Spink, grain merchant. He is also engaged on the preparation of plans for a brick Baptist church at Cannington, Ont.—Building permits have been granted as follows: Lawrence Bros., extension to No. 40 Denison avenue, cost \$5,000; J. Westcott, residence on Fuller street, cost \$1,800; J. W. McMickle, two storey brick dwelling, east side Howland avenue, near Bloor, cost \$2,300; Mrs. Stewart, alterations to dwellings 13 and 15 Pembroke street, cost \$2,000; Mrs. G. S. Ryerson, pair s.d. brick dwellings, north side College street, cost \$6,000; Building Committee of Deaconess' Home, additions to building, 259 Jarvis street, cost \$8,000; Wm. G. Mitchell, two storey brick dwelling, Spadina road, near Bloor, cost \$4,000; Massey-Harris Co., three storey machine shop on Strachan avenue, cost \$8,000.—It is understood that an arrangement has been made by which the paving of Station street from Simcoe to York streets will be proceeded with at once.

FIRES.

The fires of the past week included the following: Carriage factory of John Finnegan & Son at Belleville Ont.; damage, \$1,000.—The Roberval Woollen Mills at Roberval, Que., totally destroyed; loss \$7,000, insurance \$3,500.—At Terrebonne, Que., a saw mill owned by the Masson Estate, the Electric Light Company's power house, and the I.O.F. hall. The losses are as follows: Masson Estate, \$10,000; Electric Light Company, \$1,500; I. O. F., \$150.—Hotel at Verona, Ont., owned by John Craig; loss partially covered by insurance.—Saw mill at Midway, B.C., owned by Messrs. William Powers and Barnard Lequime.—Cement mill of Wright & Co., at Hull, Que., damaged to the extent of \$2,000.—James Cobham's hotel and Bowen Smith's residence at Notre Dame, Kent County, N. B.; total loss, \$4,500, with little insurance.—The Brandon Felt Factory at Brandon, Man., completely destroyed by fire, including much valuable machinery.—Residence of J. Cook, on Goyeau street, Windsor, Ont.—Residence of Joseph Dietrich near Wellesley, Ont.; partially insured.—The business portion of the city of New Westminster, B.C., was completely destroyed by fire on Saturday, September 10th, the loss being over three million dollars and the insurance less than half that amount. The public and business buildings destroyed include the following: Market wharf, Brackman & Ker wharf (contents valued at \$10,000), New Vancouver Coal Co.'s wharf, Canadian Pacific Navigation Company's wharf, Sinclair Canning Co.'s building, Western Fisheries Company, with pack, No. 3 fire hall, Gilley Bros.' wharf and warehouse, Canadian Pacific Railway station, Caledonia Hotel, Quong On Wo Company's building, Welsh building, Brackman & Ker store, James Wise's building, Holbrook Hotel, Chas. McDonough's store, Armstrong-English block, Eichoff Hotel, McGillivray building, Occidental Hotel, Armstrong-Burke block, MacArthur building, Iron Works, Annandale & Fale's stores, Bank of Montreal, Douglas Hotel (Douglas-Elliott block), Hambly block, Westminster Club, Bank of British Columbia, New Westminster Columbian (newspaper), Beglie block, Wintermute's furniture factory, Baker's bakery, Y.M.C.A., No. 1 fire hall, library building, post-office, Customs building, Ellard building, Blackie building, Colonial Hotel, Globe House (Mrs. Rae), Mead building, Grotto Hotel, Burns-Curtis block, Central Telephone office, Trapps auction store, Masonic building, Oddfellows' building, Levis building, Cunningham houses

(four), Central Hotel, Depot Hotel, True building, Methodist church (\$10,000), Baptist church (\$10,000), Episcopalian Cathedral (\$25,000), Presbyterian church (\$5,000), Court House, City Hall, Herrin's Opera House (\$20,000), Lewis block, Hotel Guichan, Merchants' Exchange, Chinese Mission, Ewan's residence (\$5,000). Besides the above, about two hundred residences were burned. The Dominion Minister of Public Works has telegraphed to Mr. Morrison, M.P. for New Westminster, that the government will rebuild without delay the public buildings destroyed.

CONTRACTS AWARDED.

MIDLAND, ONT.—New Baptist church. J. H. Griffith, contractor.

CARTIERVILLE, QUE.—New Catholic church: W. L. Parker, of Scotstown, contractor.

LONDONDERRY, N. S. The London derry Iron Co. are supplying 150 tons of pipe for the town of Lichute, Que.

OTTAWA, ONT.—Bodsworth & McWhinney have secured contract for new roof for city hall, at \$8.75 per 100 square feet.

RAF PORTAGE, ONT.—Jacob Hose has secured the contract for brass fittings required in connection with the water works system.

NORWICH, ONT.—The tender of the King Bridge Co., of Cleveland, Ohio, has been accepted for superstructure of Stover street bridge.

OWEN SOUND, ONT.—The tender of the Owen Sound Granolithic Co. has been accepted for cement sidewalks, at 10 cents per square foot.

PRESTON, ONT.—The Canadian Office and School Furniture Co. has secured the contract for seating Her Majesty's theatre, Guy street, Montreal.

WINNIPEG, MAN.—The tender of Dobson & Jackson has been accepted for boulevarding, as follows: McDermot avenue, \$980; Garry street, \$1,107.25; Vaughan street, \$695.

ST. JOHN, N.B.—The tenders of Waring, White & Co., Allan Foundry Co., and James Fleming have been accepted for various kinds of castings for the extension of the water works system.

ARNPRIOR, ONT.—The contract for superstructure of iron bridge has been let by the town to the Imperial Bridge Co., of Montreal, for \$6,905, the stone work going to Tobin & Keatney, of Ottawa.

(Continued on page 4)

THE HAMILTON BRIDGE WORKS CO., LIMITED.

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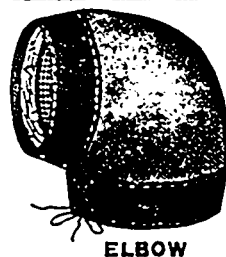
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MONTREAL WINNIPEG

QUEBEC, QUE.—Contracts for the erection of nine residences, corner St. Louis and Ste. Ursule street, have been let as follows: Masonry, Emile Cote, woodwork, Emile Morrissette; painting, E. Vaillancourt.

WOODSTOCK, ONT.—Tenders were received as follows for the foundation of the new jail; Samuel Grey, \$1,206.63; William Steeves, \$1,175; Michael Kelly, \$1,164; H. T. McCanna, \$1,045 (accepted). Tenders will be invited immediately for the superstructure of the building.

MONTREAL, QUE.—The contract for placing new boilers in the Richelieu and Ontario Navigation Company's steamer "Quebec" has been given to J. R. Weir, of this city.—Permits have been granted and contracts let for the following buildings: Three stone houses on St. Lawrence street, cost \$4,000 each—architect, Joseph Sawyer; masonry, J. B. Derat; carpenter work, G. Metoche. Two stone houses on Lagauchetiere street, for Michael Stewart, cost \$4,000 each—architect, W. E. Doran; masonry, brick and carpenter work, D. H. Scott. Alterations to three houses on Victoria street for Mrs. James Allan, cost \$3,000 each—architect, A. G. Fowler; masonry and brickwork, Wighton & Morrison; carpenter work, William Omani; roofing, Campbell & Gilday; plumbing, J. Watson & Co. Two stone and brick houses, corner Congregation and Favard streets, for J. A. Dionne—architect, Joseph Sawyer; carpenter work, L. Trudel.

TORONTO, ONT.—The Separate School Board have accepted the tender of Bird & Co. for plumbing of new St. Patrick's school at \$393, and that of the Toronto Furnace Co. for heating same building at \$225. For kalsomining and painting St. Mary's school, the tender of John J. Brennan, at \$115, was accepted. The

contractor for the brick and stone work of St. Patrick's church having made an error in his estimate, the work was allotted to the next lowest tenderer, William Keane.—The Metallic Roofing Co. is covering the elevator at Oshawa with Owl brand corrugated iron and Eastlake galvanized shingles.—Mr. J. F. Brown, architect, has in hand the erection of a frame factory, 184 x 70 feet, for the Toronto Glass Works on Abel street. The carpenter work has been awarded to Young & Co. and the roofing to G. Duthie & Son, the other trades being still open. Same architect has let the brickwork of a residence on Palmerston ave. to Teagle & Son and the carpenter work to Wheller & Co.; other trades not let.

ST. THOMAS, ONT.—The Building Committee of the Elgin County Council received the following tenders for court house improvements: J. H. McKnight & Co., Toronto, cut stone work, mason work, carpenter work, plastering, painting and glazing, and slating work, \$33,990; M. A. Pigott, Hamilton, all except electric wiring, \$49,450; Henry Lindop, all except electric wiring and slating, \$38,000. Carpenter work—Hawes & Sanders, \$13,750; George Garrow, \$13,950; William Wreath, \$12,888; J. M. Green & Co., \$13,997; H. Lindop, \$12,592. Cut stone and mason work—Oakley & Holmes, Toronto, \$29,992; A. Burnett & Son, London, \$21,567. Slatting—John Riddell, \$967; A. G. McIntyre, Toronto, \$1,189. Cut stone work—Doggett & Co., \$11,696; A. Burnett & Son, London, \$11,511. Electric wiring—Rogers Electric Co., London, \$475; H. F. Strickland, Toronto, \$598; M. V. B. Stearns, \$1,134; R. A. L. Gray, Toronto, \$346. Plastering—Thomas J. Hill, \$2,730; Gould Bros., London, \$2,900; Jas. Stewart, \$2,827.85. Painting and glazing

—H. Turnpenny, \$3,100; Jos. Newberry, \$2,350; W. R. Beveit, \$2,587; W. T. Mossop, \$4,028. Plumbing—Chas. T. Bull, \$1,047; Stacey & Co., \$1,504.79. Mason work—Ponsford Bros., \$11,865; G. A. Ponsford, \$10,166. Metal work—A. G. McIntyre, Toronto, \$2,350; Stacey & Co., \$1,231.42. The bulk tender of J. H. McKnight, Toror 9, has been accepted, R. A. L. Gray, Toronto, securing the electric wiring, Stacey & Co., St. Thomas, the metal work, and C. T. Bull, St. Thomas, the plumbing.

Denman & Ogilvie, plumbers, Montreal, have dissolved partnership. Mr. Denman will carry on the business in future, and Mr. Ogilvie will open out on his own account.

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MUNICIPAL DEPARTMENT

REPORT ON FIRE HOSE.

A committee appointed by the National Fire Protective Association of the United States have presented the following report on woven cotton rubber-lined fire hose :

THE COTTON FABRIC.

1. Cotton fabric is to be smoothly, firmly and evenly woven, in circular form, and free from injurious or unsightly defects.

2. It must have not less than seven picks of filling and twenty-six warp strands per square inch of weaving, and filling must be well covered by the warp.

3. The cotton fabric is to weigh not less than thirty-five pounds per 100 feet.

4. The yarn from which fabric is woven must not be coarser than No. 8, and is to be spun and twisted in the best manner from selected long staple cotton. Its minimum strength, when sixty yards (forty turns of one and one-half yard reel) is tested on a Brown Bros.' tester, must be at least twelve and one-half per cent. above Draper standard for average strength, as, for instance, No. 12 yarn must have a strength of not less than eighty pounds.

5. All cotton fabrics are to be antiseptically treated, or mildew-proofed.

6. Diameter of fabric is to be sufficient to provide an internal diameter of the hose of $2\frac{3}{8}$ inches when rubber-lined.

RUBBER LINING.

7. Rubber linings or tubes must be of best quality. They are to be guaranteed by the manufacturer to be of that grade, composition and degree of vulcanization which he believes the best adapted for a durable fire hose lining of any hose lining made by him.

8. They must contain not less than 40 per cent. of Para gum, and compound must not contain any old vulcanized or reclaimed rubber, or so-called rubber substitutes, or any other injurious adulterant.

9. Tubes are to be of uniform thickness and quality throughout, to be smooth and well made, to be free from injurious defects, and to be partly vulcanized before insertion into the tubular fabric.

10. They are to be well and properly cemented to the cotton fabric with the best cement, and in the best manner for adhesion, durability, and smoothness of interior.

11. Fabric and tube when united are to be joined in such manner as to combine best initial results and enduring qualities with the most perfect freedom from corrugation that it is possible to secure with the best methods of manufacture.

12. Linings exclusive of cement or other backing when in the hose is to be not less than No. 17 Stubbs wire gauge (.058-inch) in thickness, and including cement and other backing is not to exceed No. 15 Stubbs wire gauge (.072-inch) in thickness. Soft backing, if used, shall not exceed No. 25 Stubbs wire gauge (.02-in.) in thickness.

13. The tubes without cement are to be of not less than three calendered sheets, i.e., sheets produced by three or more passages of the sheet through the calender machine, about one-third of the thickness of the finished sheet being produced by each passage through the calender; the intention being to remedy in two plies the defects that may occur in one.

14. The tube is to be lap jointed, and the lap is to be as small and as neat as is consistent with best results.

TESTS

15. Fifty-foot lengths, when properly tested on delivery, must not burst with less than 400 lbs. pressure.

16. Every length of hose is to be tested by the manufacturers after coupling, but before delivery, with 200 lbs. pressure, to detect imperfections and insure proper attachment of couplings, and hose so tested is to be branded "Tested to 200 lbs." in letters one inch high.

17. Stretch of hose is not to exceed five per cent. in length when tested by applying 100 lbs. pressure per square inch and then entirely releasing pressure by removal of cap from coupling, and noting the shortening 10 minutes after cap is removed.

18. When tested in 3-foot lengths bursting pressure is to average not less, straight, than 500 lbs.; curved to a 4-foot radius, than 450 lbs.; ends tied together, than 300 lbs.

19. A piece of rubber cut lengthwise of the lining $\frac{1}{2}$ -inch wide and 4 inches in length between jaws must stretch to five times its own length without breaking, and when released the rubber must return in one minute to its original length of four inches within an excess of 25 per cent. of its length.

20. Underwriters reserve the right to reject any brand of hose which for good reason appears to be unsuitable for underwriter hose.

21. Any manufacturer desiring his hose to be accepted as "National Standard" must select as his own trade mark and weave into his fabric a specific color line, and brand the hose with a special name to indicate that it is "National Standard" hose, and such color line or brand must not be used for any hose not conforming to these requirements.

22. Six pieces of the kind of hose desired to be accepted as "National Standard" hose must, on application, be sent to each insurance association, each piece to be $3\frac{1}{2}$ feet long.

23. These pieces will be for test and permanent reference samples, and the manufacturer must guarantee that the hose he will make or sell as "National Standard" will correspond in all respects with such samples.

24. The maker's name with the year and month of manufacture to be stenciled with indelible ink in two places on each length of hose, the marks being five feet from the couplings. Marks to be black and letters one inch high. In addition, the words "National Standard," same color and size, shall be marked in one place on each length. The brass coupling is to be stamped with letters $\frac{1}{4}$ inch high, giving name of manufacturer and year of manufacture.

25. The couplings shall be of U. S. gun metal composition, or 9 parts copper to 1 of tin (not "yellow brass"), shall weigh not less than five lbs., to be of best form to resist strains of expanding the binding ring in the coupling, and shall be made, fitted and finished in a first-class workmanlike manner and provided with rubber washers of best quality accurately fitting the same.

26. No hose is to be sold as "National Standard" until manufacturer has received written notification that his hose is accepted, and the underwriters have the right for good cause to withdraw their acceptance at any time.

27. Hose delivered to purchasers as "National Standard" must be in all respects like sample previously submitted to the purchaser, and like samples on file with the underwriters.

28. Manufacturers will not be required to guarantee hose against defects of wear and tear of use, injury from fire, acids, or any cause not due to defects of manufacture, but if at any time during a period of two years from the date of delivery of a lot of hose, a section or sections of it burst when subjected to a pressure of less than 150 lbs., or show signs of weakness which is evidently due to defects of manufacture and not at all incident to the customary wear and tear of use, such quantity of defective hose shall be replaced by new hose without further cost to the consumer.

29. The defective hose shall be sent to the manufacturer, and the contractor from whom it was bought shall have ample opportunity to inspect and test the defective portions before replacing them by new hose.

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	\$	\$	\$	\$
Mill cull boards and scantling 9 to 10 00	10 00	10 00	10 00	12 00
Shipping cull boards, pro-				
miscuous widths.....12 00	13 00			13 00
Shipping cull boards, stocks 15 00	16 00			16 00
Hemlock scantling and joist				
up to 16 ft.....10 00	12 00			10 00
Hemlock scantling and joist				
up to 18 ft.....11 00	12 00	12 00		3 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				
" " " " 18 ft.....14 00	14 00			14 00
" " " " 20 ft.....15 00	16 00			16 00
" " " " 22 ft.....16 00	17 00			17 00
" " " " 24 ft.....17 00	19 00			19 00
" " " " 26 ft.....19 00	20 00			21 00
" " " " 28 ft.....20 00	22 00			23 00
" " " " 30 ft.....22 00	24 00			25 00
" " " " 32 ft.....24 00	27 00			27 00
" " " " 34 ft.....27 00	29 50			29 50
" " " " 36 ft.....31 00	31 00			31 00
" " " " 38 ft.....33 00	33 00			33 00
" " " " 44 ft.....36 00	36 00			36 00
Cutting up planks, 1x and				
thicker, dry.....25 00	28 00	25 00		30 00

LUMBER.

B. M.

1 1/4 in. flooring, dressed, F. M.	34 00	36 30	28 00	31 00
1 1/4 inch flooring, rough, B. M.	18 00	22 00	18 00	22 00
1 1/4 " " dressed, F. M.	25 00	28 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	20 00
1 " " undressed.....12 00	15 00	12 00	15 00	
Beaded sheeling, dressed.....20 00	35 00	22 00	31 00	
Clapboarding, dressed.....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 10			
Cedar, No. 2.....1 75	2 50	2 60		
Red oak.....30 00	40 00	30 00	40 00	
White.....37 00	45 00	35 00	51 00	
Basswood, No. 1 and 2.....28 00	30 00	18 00	40 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.....20 00	30 00	18 00	30 00	
Dressing stocks.....16 00	22 00	16 00	22 00	
Picks, American inspection.....30 00		40 00		
Three uppers, Am. inspection.....50 00		50 00		

(Continued on Page 8.)

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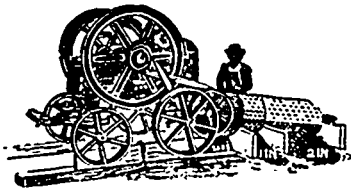
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(Continued.)

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Table with columns for material type (Common Walling, Red Facing, Sewer) and prices for Toronto and Montreal.

PRESSED BRICK, PER M.

Table listing pressed brick types (Red No. 1, Buff No. 1, etc.) and their prices.

F. O. B. DON VALLEY.

Table listing various stone and brick types (Red A, Red B, Trojan, etc.) and their prices.

F. O. B. DEAMSVILLE.

Table listing various stone and brick types (Pebbles Facing, Red No. 1, etc.) and their prices.

SAND.

Table showing sand prices per load of 1 1/2 cubic yards.

STONE.

Large table listing various stone types (Common Rubble, Granite, etc.) and their prices.

OHIO FREESTONE.

Table listing Ohio freestone types (No. 1 Buff Promiscuous, etc.) and their prices.

CREDIT VALLEY STONE.

Table listing Credit Valley stone types (Rubble, Brown Coursing, etc.) and their prices.

LONGFORD STONE.

Table listing Longford stone types (Rubble, Ashlar, etc.) and their prices.

INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Large index table listing various categories such as Architects, Cements, Interior Decorations, etc., with corresponding page numbers.

Toronto. Montreal.

Table listing various materials (Ho, Fire Bricks, Lime, etc.) and their prices for Toronto and Montreal.

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Table listing hardware items (Cut nails, Steel) and their prices.

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Table listing iron pipe types and their prices.

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Table listing galvanized iron types (Adam's-Mar's Best, etc.) and their prices.

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