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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF PUBLIC WORKS

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. 10.

APRIL 5, 1899

No. 10.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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

Advertising Rates on application.

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CONTRACTORS RESPECTFULLY INFORMED that undersigned is prepared to assist in preparing estimates, any department, carpenter in particular. W. FRASER, 21 Clinton Street, Toronto.

TENDERS WANTED

Sealed tenders will be received by the undersigned up to noon on SATURDAY, THE 8TH DAY OF APRIL, 1899, for a first-class

Stone Crusher,

to be up-to-date in regard to workmanship materials and improvements, with Elevator and Screens.

The same to be delivered at the City of St. Catharines. Tender to state size and price of machine complete.

Terms cash on approval of machine. No tender necessarily accepted.

J. ROLLISON, City Clerk.

City Clerk's office, St. Catharines,
March 28th, 1899.

TENDERS

For the Installation of a

SYSTEM OF ARC LIGHTING

Sealed tenders, addressed to the Chairman of the Fire Water and Light Committee for the installation of a System of Arc Lighting, including Steam Plant, Dynamies, Switchboard, Arc Lamps, Line Material, etc., will be received at the office of the undersigned up to 8:30 p.m. on

MONDAY, APRIL 17TH, 1899.

Specifications and forms of tenders may be obtained at the office of the City Engineer, Winnipeg.

Each tender must be accompanied by an accepted cheque or cash deposit for the sum called for in the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract if called upon to do so. If an accepted cheque is submitted it must be payable at par in Winnipeg or be for an amount sufficient to cover exchange over the sum called for in the form of tender supplied.

No tender necessarily accepted

C. J. BROWN, City Clerk.

City Clerk's Office, Winnipeg, March 21st, 1899.

TENDERS

Will be received up to SATURDAY, APRIL 15TH next, for all the various works required in the erection of

Four Detached Residences

ON THE

ROSEDALE PARK ESTATE

Drawings and specifications may be seen at the office of

S. H. TOWNSEND, Architect,
15 Gerrard St. E., Toronto.

Lowest or any tender not necessarily accepted.

TO CONTRACTORS

MAIN TRUNK SEWER

OTTAWA, ONT., March 24th, 1899.

Sealed tenders by registered mail, endorsed "Proposal for Main Trunk Sewer," will be received by the undersigned up till noon of FRIDAY THE 14TH APRIL, 1899, at the City Hall, for the construction complete for the following works:

4,430 lineal feet 7' Circular Brick Sewer.
7,741 " " 6' " " " "
1,860 " " 5' " " Steel Pipe.

Average depth of cutting 30 through earth and rock. Plans and specifications may be seen at the Engineer's office on and after Monday, the 3rd proximo from whom forms of tenders and full particulars can be obtained.

Proposals must be accompanied by an accepted bank cheque payable to the order of the City Treasurer, for not less than five per cent. of the tender.

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

(Signed) S. J. DAVIS, Chairman.



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, April 12th, 1899,

for the construction of the following pavements and sidewalks:

GRAVEL ROADWAY:

Collahie Street, from Beaconsfield Avenue to Gladstone Avenue.

CONCRETE SIDEWALKS:

Bathurst Street, east side, from St. Patrick to Rosebery Avenue.

Madison Avenue, both sides, from Bloor Street to Bernard Avenue.

Plans and specifications may be seen, and forms of tender obtained, at the office of the City Engineer, Toronto. Contents of envelopes must be plainly marked on the outside.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 2 1/2 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 signatures 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, March 29, 1899.

EXPERIENCED ARCHITECTURAL Draughtsman wanted Apply, stating particulars and salary expected, Box 28, CONTRACT RECORD

TENDERS

Will be received until noon of MONDAY, APRIL 10TH, for the erection of

THREE ATTACHED HOUSES

on Fuller Street, Parkdale. No tender necessarily accepted

GORDON & HELLIWELL, Architects,
Confederation Life Building, Toronto.

TENDERS

Tenders will be received up to 5 p.m. MONDAY, THE 10TH INST., for the following trades, viz.: Cut Stone Work, Plastering, Painting, Galvanized Iron and Copper, Plumbing, Heating, Roofing, etc., required in the erection of

A LARGE DETACHED RESIDENCE

on Lowther Avenue. The lowest or any tender not necessarily accepted.

F. H. HERBERT, Architect,
9 Toronto Street, Toronto.

TENDERS FOR HOSE

Sealed tenders are asked for 1,000 feet 2 1/2 inch Cotton Rubber-lined Hose, coupled complete with Jacketed or two ply.

Two lengths of the best Rubber Suction Hose, 12 feet each four inches internal diameter, Four Rubber Coats and Four Pairs Rubber Boots.

Tenders to be addressed to me at the City Engineer's office, and to be in not later than noon of the 12th inst. The lowest or any tender not necessarily accepted.

Signed by R. H. TOVE,
Chairman Fire and Light Committee.

Kingston, April 3, 1899.

TENDERS

Will be received at the office of the Architect up to 3 p.m. on TUESDAY APRIL 11TH, 1899, for the Mason and Brickwork, Carpenter and Joiner, Structural Iron, Painting Glazing, Plastering, Plumbing, Heating, Slatting, Electric Wiring and Sheet Metal Work required in the erection and completion of the new

St. James' Presbyterian Church,

Oxford Street, London, Ont. The lowest or any tender not necessarily accepted.

NEIL McNEIL,
Chairman of Committee.

HERBERT MATTHEWS,
Architect, London.

CONTRACTS OPEN.

ST. MALO, QUE — A new school, to cost \$15,000, will be built here.

CARMAN, MAN.—A new Presbyterian church will be erected here.

THORNION, ONT.—The Presbyterian congregation will build a manse here.

MAYNARD, ONT.—Preparations are being made to build a Baptist church.

WALKEKTON, ONT.—The Presbyterian congregation will build a manse.

MALLORYTOWN, ONT.—H. McDonald intends building a residence this summer.

ASBORY, ONT.—Tenders have been called for rebuilding the Methodist church here.

BARROW BAY, ONT.—It is said that Mr. Lamont will build a new stone residence.

SHRIGLEY, ONT.—Geo. Jamieson and John Spinhouse will each erect new residences this season.

BOBCAYGEON, ONT.—The Verulam council will issue \$900 of debentures to build a new school.

CHILLIWACK, B. C.—A scheme is mooted to purchase an electric light plant for this village.

PAISLEY, ONT.—The council will probably install furnaces for heating the town hall in the near future.

ST. ALBERT, N. W. T.—D. Chevigney will erect a \$4,000 hotel on the site of the one destroyed by fire.

WALNUT, ONT.—Brooke township council will issue \$900 of debentures to build a new school house.

ALVINSTON, ONT.—W. J. Reader desires tenders by April 15th for building brick block in this village.

BELLEVILLE, ONT.—The Dominion government is moving in the direction of building a drill shed here.

PRINCE ALBERT, N. W. T.—Thompson & Co. have had plans prepared for an addition to their premises.

CHATHAM, N. B.—The congregation of St. John's church are considering the question of improving the edifice.

DORCHESTER, N. B.—W. H. Chapman, secretary School Board, wants tenders by April 8th for building school house.

MIDDLETON, N. S.—Tenders are invited for the construction of the Nova Scotia Pork Packing Co.'s building.

KEMPTVILLE, ONT.—S. Guest, W. J. Johnston, W. A. Spotswood and William Maxwell will each build new residences.

EGMONDVILLE, ONT.—John Hanna desires tenders by April 10th for the mason work of a two storey brick dwelling.

FREDERICTON, N. B.—It is probable that steps will be taken at an early date to build a church for the colored citizens.

CRYSLER, ONT.—Tenders for building a Presbyterian church will be received by D. R. Macdonald up to Wednesday, April 12th.

PRESTON, ONT.—The School Desk and Metal Furniture Co. are preparing to make a large addition to their establishment.

BEAVERTON, ONT.—Thomas Doherty has purchased property, corner Mara and Main streets, and intends erecting a residence.

MORRIS, MAN.—Tenders are wanted by 7th inst. for erection of frame church and fittings at Silver Plains. Address, E. Porter, this place.

CAMPBELLTON, N. B.—The town council has appointed a committee to confer with the county council regarding the erection of a poor-house.

STAYNER, ONT.—Proposals are wanted by the town by May 1st for the purchase of \$24,000 of debentures. Address, A. M. McFaul, M.D., Mayor.

PEMBROKE, ONT.—Tenders for additions and improvements to the Mackey House will be received by M. Gorman, architect, up to April 10th.

PALMERSTON, ONT.—W. J. Falconer, president Palmerston Pork Packing Company, offers for sale \$25,000 of 4 per cent. bonds, bids to be in by April 10th.

BERLIN, ONT.—Geo. Schlee has had plans prepared for a brick dwelling to be built on Breithaupt street. Later he intends erecting another residence.

BROCKVILLE, ONT.—Voting took place yesterday on the by-law to raise \$10,500 for improvements to Victoria hall building. The result has not yet been learned.

VICTORIA, B. C.—A. Maxwell Muir, architect, has taken tenders on a two-storey brick building, corner Yates street and Waddington alley.—The Chief Commissioner of Lands and Works asks ten-

ders up to 8th inst. for erection of mortuary, hospital ward and other works at the Asylum for the Insane, New Westminster.

GREENWOOD, B. C.—J. W. Powell has plans prepared for a new hotel, to cost \$15,000.—The Methodist and Presbyterian congregations will each erect churches.

ST. BONIFACE, MAN.—The town council has been asked to assist in the construction of a proposed drain between the municipalities of Springfield and Tache.

BRANTFORD, ONT.—Mr. Mills, architect, of Hamilton, has submitted to the Board of Health plans of a hospital for contagious diseases to be built in this city.

BIRTLE, MAN.—Sheriff Adams is about to erect a large hall on the site of his hotel which was burned recently. Several other buildings are also contemplated.

MCADAM JUNCTION, N. B.—Ten cottages will be built here this summer by the C.P.R. It is improbable that the proposed station will be built before next year.

LACHINE, QUE.—Plans for a drainage system, prepared by Dupont & Leduc, have been accepted by the council. Debentures will be issued to cover the cost of the work.

STIRLING, ONT.—Galt & Speakman, civil engineers, of Toronto, have been engaged to prepare plans and specifications for a waterworks system. John S. Black is village clerk.

SHERROOKE, QUE.—Plans have been laid before the city council and Board of Trade for remodelling the present city hall, cost \$25,000, and also for an entirely new building, cost \$40,000.

GODERICH, ONT.—Plans of the Odd-fellows' block, for which tenders close April 8th, are on view at Geo. Porter's book store, this town, and at the office of the architect, H. J. Powell, Stratford.

RAT PORTAGE, ONT.—Plans are being prepared for a building to be erected by Belyea & Woods—William Clougher is arranging to build a brick block. Mr. Drewry will also build a brick block.

SARNIA, ONT.—Mr. M. R. Burrows, architect, is preparing plans of a building for undertaking purposes, with dwelling above, for A. Sanders, and of two frame dwellings for Mackenzie Bros., to cost \$1,300 each.

ST. MARY'S, ONT.—In all probability a by-law will be submitted to the ratepayers to raise \$40,000 to construct a waterworks system, in accordance with an estimate by M. S. Gray, consulting engineer, Providence, R. I.

DURHAM, ONT.—The citizens have elected provisional directors to proceed with the erection of a chair factory, towards which over \$11,000 has been subscribed. Dr. Jamieson, M. P. P., and J. W. Irwin are directors.

HANOVER, ONT.—Brant council have appointed a committee, consisting of the reeve and Messrs. Greg and Richardson, to ascertain the cost of building a bridge over the Saugeen river, between the 8th and 9th concessions.

BRADFORD, ONT.—Mr. Saxby, of Kingsville, has submitted to the village council a proposition for electric lighting. He asks for a franchise for ten years, and offers to install an incandescent and arc plant to cost about \$8,000.

ASHCROFT, B. C.—The Ashcroft Water & Electric Co., in which Peter Ryan and John Shields, of Toronto, are interested, have purchased a large area of land in this province, which they purpose irrigating, at a large expenditure.

MIDLAND, ONT.—It is rumored that a block of stores will be erected this year on the west side of King street.—Considerable real estate has changed hands lately, and in most cases the new proprietors are preparing to build.

ST. JOHN, N. B.—W. F. Hathaway has

asked the council for a lease of a tract of land on which to build an oil warehouse.—Work will shortly be commenced on a new church for the Main Street Christian Church congregation: probable cost, \$6,000.

CARBERRY, MAN.—A deputation from this place has requested the provincial government to amend the municipal act so as to enable the town to bonus a grist mill. The proposition before the town is to erect a grist mill and elevator, at a cost of \$30,000.

LONDON, ONT.—A syndicate is negotiating with Tyrrell Duncombe, of St. Thomas, to erect a theatre and hotel building in this city.—The council have placed the sum of \$4,500 in the estimates for the purpose of building a fire hall in the north end.

MORDEN, MAN.—Dr. McConnell is having plans prepared for a residence.—J. Heiman will erect a brick block, and J. Kennedy will complete the hotel of which the foundation was built last year.—As soon as the weather permits, work will commence on the new Roman Catholic church.

VANCOUVER, B. C.—W. T. Dalton, architect, is taking tenders this week on a car barn for the British Columbia Electric Railway Co.—Tenders are invited for the supply of the stained glass windows for the Church of Our Lady of the Rosary.—H. Whitaker, of the Sechelt Trading Co., will build a three storey summer hotel at Sechelt.

LINDSAY, ONT.—Rider & Kitchener have purchased a site for their proposed excelsior and veneer factory, plans for which will be prepared at once.—The Board of Trade will send a deputation to Ottawa with a view to inducing the government to make an appropriation for straightening the river between Lindsay and Sturgeon Lake.

QUEBEC, QUE.—Mr. David Ouellet, architect, is preparing plans and specifications for the inside finish and decoration of an R.C. church in the parish of Cheticamp, G.B.—C. J. L. Lafrance, city treasurer, invites offers up to Tuesday, 10th inst., for the purchase of \$250,000 of debentures.—A project is being agitated to connect the mainland with the Island of Orleans by means of a cantilever bridge.

OWEN SOUND, ONT.—Tenders close on the 15th inst. for addition to St. Mary's church; plans at presbytery.—At the next meeting of the School Board the question of providing increased school accommodation will be considered.—Mr. McLaughlin has offered a free site for the erection of a summer hotel at Balmy Beach. A number of Americans are interesting themselves in the project, and are expected to take stock.

WOODSTOCK, ONT.—Plans of the proposed fire hall and fire alarm system will be submitted to council by the Fire and Light Committee at an early date. The estimated cost is about \$7,000.—S. R. Ickes, of Harrisburg, Penn., was in the city last week negotiating with the Council and Board of Trade regarding the establishment of an electric railway to connect Woodstock and Ingersoll, the power house to be located at Beachville.

KINGSTON, ONT.—The Kingston Real Estate Co. have decided to build a large hotel, corner King and Clarence streets, to be brick and five stories high.—The council has refused to grant funds for the purchase of an aerial truck.—W. Newlands, architect, is preparing plans for a residence for O. J. Hickey.—The plans submitted by Power & Son, architects, for the rebuilding of the St. George's cathedral, have been accepted by the building committee, and the work will be proceeded with immediately.

NEW WESTMINSTER, B. C.—Fred J. Bauer, architect, is about to let contracts for a new hotel on Columbia street for

Mrs. Lena Eickhoff. The building will be two storeys, 35 x 66 ft., and built of brick and granite.—Wm. Collier has had plans prepared for a new hotel to be erected on the site of the old Central hotel.—A site has been selected by the C. P. R. for their new station, which will be 90 x 40 ft., two storeys high, and will cost about \$40,000.—Clow & Welsh, architects, have prepared plans for a two story cottage to be built by Harry Gordon.

CHATHAM, ONT.—Powell & Carswell architects, have submitted plans to Mrs. Garner for a new block. Same architects are preparing plans for a drug store and bank for Dr. Bell, of Merlin.—Robert Gray wants tenders by the 6th inst. for an addition and interior alterations to residence, including slate roof, plumbing and hot water heating. The architect is T. J. Rutley.—The plans of J. L. Wilson & Son, architects, for the I.O.O.F. building, have been accepted; probable cost, \$14,000.—The Laing Manufacturing Co., of Essex, will probably establish a factory in this city.

TRURO, N S.—The council has decided to purchase a 100 horse power boiler for the pumping station, instead of one of 75 h.p., as at first proposed.—Elliott & Hopson, architects, have submitted plans for a new fire station. Mayor Stuart and Councillor Black will take charge of same, and invite tenders for erection.—R. E. Chambers, C.E., formerly of this place, and James Purves, C.E., of North Sydney, have been surveying certain properties at the latter place for a wealthy syndicate, who intend erecting coke ovens there. Graham Fraser is president of the company.—W. D. McCollum, town clerk, invites tenders up to Thursday, 12th inst., for erection of brick building for fire hall and engine room.

HAMILTON, ONT.—It is said that the necessary \$20,000 has been subscribed for the erection of the New Brant summer hotel. It is thought that Patterson & Paisley will take the management.—In connection with the proposed improvements to the Central church, it is probable that a memorial window to the late Dr. Ormiston will be put in.—In discussing the electric lighting franchise at a special meeting of the Electric Lighting Committee of the city council, it was stated by representatives of the company now holding the contract that if a ten years' contract were signed they would spend about \$100,000 in improvements to the system.—Wm. & Walter Stewart, architects, have been commissioned by Chas. Hardy to prepare plans for a departmental store to be built at the corner of McNab and York streets. Same architects are building a \$5,000 residence in Paris for O. R. Whitby.—E. B. Patterson has been granted building permits for three two-story brick dwellings, corner Hughson and Barton streets, for Mrs. Hutchison, to cost \$5,600.—W. A. Edwards, architect, desires tenders by 6 p.m. of Thursday for alterations to the old Collegiate Institute building, including carpentry, plastering, painting and glazing, metal work, plumbing, slate blackboards and heating work.

WINNIPEG, MAN.—S. Frank Peters, architect, invites tenders up to Thursday, 6th inst., for erection of a building, corner Main and McDermott streets, for the Dominion Bank.—The council of Manitoba University have decided upon the old Driving park as a site for the proposed university buildings.—The Young block adjoining the Imperial Bank has changed hands, and it is said that the new proprietors will make considerable improvements.—The City Council and Board of Trade have appointed a joint committee to take up the matter of the St. Andrew's rapids' improvements.—It is understood that the Northern Pacific Railway Co. will build a line of railway in a north-westerly direction from Portage

la Prairie.—Tenders are asked by Stewart Mulvey, secretary School Board, up to 8th inst., for erection of school building on the Machray school site, from plans by H. S. Griffith, architect.—The C.P.R. invites tenders up to Saturday, 15th inst., addressed to J. Woodman, engineer of the western division, this city, for the construction of three 30 foot span bridges at Brokenhead river, three 60-foot span bridges at Whitemouth river, one 8-foot stone arch culvert at Willow creek, one 45-foot span bridge at Keewatin, one 60-foot span bridge at Sunshine creek, and one 12-foot stone arch culvert at Boyne river.

OTTAWA, ONT.—Plans have been received from the architect in Montreal of the proposed skating and hockey rink and concert hall building to be erected in this city during the coming summer. The building will contain three stores, skating rink, hockey rink, large dining room, three small supper rooms, quarters for the Governor General and party, concert hall, and accommodation for the Ladies Art Association, Humane Society, Morning Music Club and the May Court Club. It is expected that the building will cost about \$60,000. Colonel Macpherson is the chief promoter.—The deal is said to have been closed by which the Bronson & Weston Lumber Co.'s mill at the Chaudiere will be converted into a calcium carbide factory. Plans for the necessary alterations, including new water wheels and machinery, will be prepared at once.—Plans are being prepared for a large addition to the building of St. Joseph's Union, corner Dalhousie and York streets, to cost \$12,000. Work will be commenced during the coming summer.—The city engineer has submitted the following approximate estimate of the necessary additions and improvements to the pumping plant. Building annex, \$15,000; head and tail race work, \$5,000; water wheels and appurtenances, \$10,000; pumping machinery and specials, \$25,000; contingencies, \$5,000; total, \$60,000. The Waterworks Committee has authorised the city engineer to invite tenders for the necessary work, as above specified.

MONTREAL, QUE.—Four local architects, Messrs. Hutchison, Hopkins, Maxwell and Taylor, are preparing plans for the reconstruction, including four additional storeys, of the office building of the Merchants' Bank of Canada, corner St. James and St. Peter streets. From the plans submitted a selection will be made by the directors.—The Grand Trunk Railway Co. are taking tenders on their new office building to be built on McGill street. The date limit is April 20th. The plans were prepared by Mr. Waite, architect.—Saxe & Archibald, architects, are just completing plans for a large apartment building, corner Metcalfe and St. Catharine streets, for M. S. Foley, of the Journal of Commerce. The building will be eight stories, 32 x 171 ft., first two storeys of cut stone and remainder of pressed brick and terra cotta. In the basement will be a first-class restaurant, reached from the main entrance by a marble staircase, while the seven floors above will be divided into six suites of apartments. The cost is estimated at \$100,000.—The annual report of the Department of Militia and Defence for 1898 calls attention to the necessity of making Montreal a permanent military centre, and recommends that a barracks be erected for the accommodation of a portion of the permanent troops.—The congregation of Westmount Presbyterian church are considering the question of enlarging the edifice.—In connection with the harbor improvements, the chief engineer, Mr. John Kennedy, has prepared an estimate showing that the cost of making new wharves, basins, etc., will be \$2,551,000, and of dredging access to both sides \$1,141,000. The Harbor Commissioners

also propose to widen Windmill Point basin and extend a wharf there, at a cost of \$470,000.—Plans are being prepared for a terrace of twelve 3 storey dwellings to be erected on Pine ave., near Cote des Neiges road, for Mr. Samuel W. Beard, to be built of brick, with pressed brick fronts, heated by steam from one plant, which will be located outside the buildings; cost between \$80,000 and \$100,000. Mr. E. Maxwell is architect.—Shanly & McCarthy, engineers for the Great Northern Railway, have just taken soundings for the new bridge, 1,400 feet in length, to be built over the Ottawa river at Hawkesbury.

TORONTO, ONT.—Mr. C. R. S. Dinnick proposes to erect two houses on Lowther avenue.—Ground has been broken for a new residence at the head of Admiral road and Bedford road.—The attention of contractors, including structural iron workers, is directed to the advertisement on front page inviting tenders for the erection of St. James Presbyterian church, London, Ont.—The old McDonald property on Bathurst street has been purchased by the authorities of the Western hospital. The building will be remodelled immediately to meet the requirements of a hospital.—By the will of the late Hugh Ryan, the sum of \$10,000 was set aside for the erection of a mausoleum.—The Robert Simpson Co. have acquired the Wylie estate property at the north-west corner of Yonge and Richmond streets, extending along the north side of Richmond street 100 feet. The buildings now on the property will be demolished, and a large addition to the Simpson store erected on the site.—Over \$8,000 has been subscribed towards the proposed Working Boys' Home.—Henry Simpson, architect, is taking tenders this week on alterations to the Hotel Iroquois, corner King and York streets, including brickwork, plumbing, plate glass, tile flooring and electric wiring.—Bond & Smith, architects, Temple building, are taking tenders on alterations to the Union Bank on Wellington street, comprising steel work, terra cotta and cut stone work, addition to steam heating plant, etc. Next week they will receive tenders on several houses in the west end. Same architects are preparing plans for alterations to the Toronto Brewing Co.'s building on Simcoe street, and designs for the furniture for the new steamship "Toronto."—The City Engineer has submitted to the Board of Control specifications for the Eastern avenue bridge, with a request that tenders be advertised for at once.—Rev. J. F. Ockley, 335 Berkeley street, desires tenders by 6th inst. for painting, cleaning carpets and upholstering Berkeley street Methodist church.—At the recent session of the Legislature, the Synod of the Diocese of Toronto was given authority to issue debentures for \$50,000 for repairing and improving the buildings contained within the Toronto Rectory Endowment.—The Sunlight Soap Company, represented in this city by Mr. Lever, have made a proposition to the city council to establish a factory in the east end. In consideration of certain concessions, they agree to erect buildings and install a plant to cost \$150,000.—The Expanded Metal Co. of Canada, Limited, have applied for a Dominion charter, to carry on a fireproof construction business in Canada. E. F. B. Johnston, barrister, and C. S. Spencer, Rossin House, Toronto, are among the applicants.—Plans have been drawn for the new club house to be built on the lake front by the Queen City Yacht Club. The building will be 40 x 90 feet, and three storeys high.—Building permits have been granted as follows: C. W. Beatty, summer residence at Centre Island, two-story frame, cost \$3,500 (Chadwick & Becket, architects; P. Curtis, builder); W. Christy, summer residence at Centre Island, cost \$1,000 (Chadwick & Beckett, architects; P.

Curtis, builder); R. H. Davies, 3-storey brick dwelling, 84 Crescent road, cost \$8,000 (Langley & Langley, architects; Dancy Bros., builders); Dr. J. D. Thornburn, 2-storey and attic brick residence, 325 Bloor street west, cost \$6,000 (C. J. Gibson, architect; Hutchins & Burns, builders); John Pinkerton, two-storey and attic brick residence, 103 Tyndall ave., cost \$3,500 (C. J. Gibson, architect; Dunkley Bros., builders); C. J. Gibson, pair semi-detached brick houses, 99 and 101 Tyndall ave., cost \$3,500; J. B. Wilmott, 2-storey and attic brick dwellings, 98 College street, cost \$7,000 (D. B. Dick, architect; Wickett Bros., builders); John Thompson, pair 2-storey, brick front, rough-cast, semi detached dwellings, 36 and 38 Carlaw ave., cost \$2,000; Geo. Weston, 2-storey brick horse barn, corner Phoebe and Soho streets, cost \$2,500; T. McIlwain, pair 2-storey and attic semi-detached brick stores, south-east corner Spadina ave. and King street, cost \$5,000 (Edwards & Wagner, architects); Toronto Railway Co., one-storey wooden car shed, covered with iron, corner Scollard and Yonge, cost \$4,000 (E. Mackenzie, architect).

FIRES.

Residence of Wm. Kemp in Thurlow, one mile from Belleville, Ont.—Saw and grist mill at Clearview, Carleton county, N. B., owned by Geo. Kitchen, of Fredericton; loss \$5,000, insurance \$1,000.—G. G. Bryant's sash and door factory at Sherbrooke, Que., totally destroyed; loss \$10,000.—The drygoods stores of Paquette Bros. and Boivin & Bissonnette, Montreal, completely destroyed on Sunday last; loss \$50,000.—Residence of George Brown at Woodstock, N.B.—The Morley Ladies' College and Conservatory of Music at Huntsville, Ont., totally destroyed by fire, loss on building, \$12,000.

CONTRACTS AWARDED.

WINNIPEG, MAN.—Supply of asphalt plant: Kelly Bros., successful tenderers, \$6,000.

WEST SHEFFORD, QUE.—Methodist parsonage: Geo. W. Wallace, of Waterloo, contractor.

FEVERSHAM, ONT.—School building: D. Peterman & Son, of Collingwood, successful tenderers.

CHATHAM, ONT.—Residence for James Innes: Powell & Carswell, architects; Causkey & Pritchard, contractors.

HAMILTON, ONT.—Frank E. Walker has let contracts for twelve cottages on beach property; Stuart McPhee, architect.

STAYNER, ONT.—Construction of water-works system: McQuillan & Co., of Toronto, contractors; price \$22,500. Galt & Speakman, of Toronto, are consulting engineers.

(Continued on page 6.)

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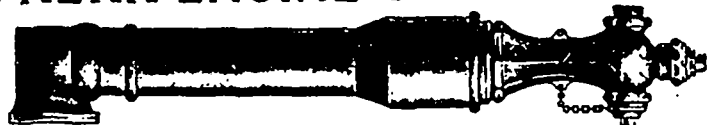
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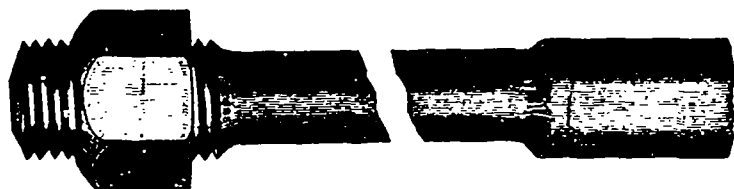
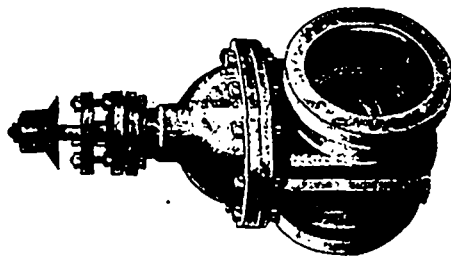


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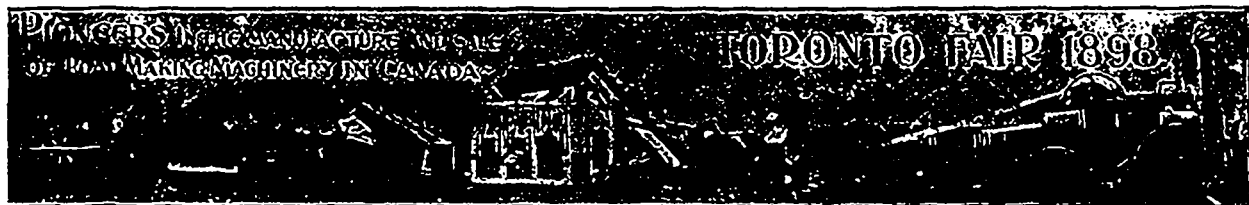
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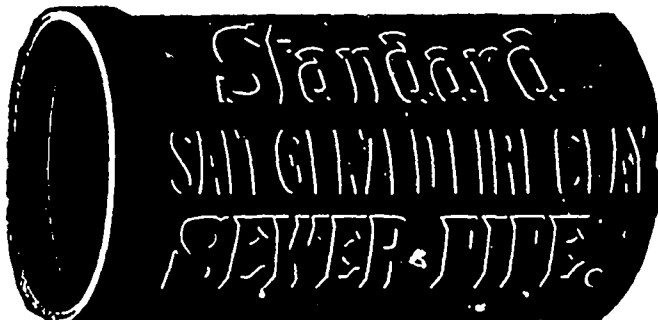


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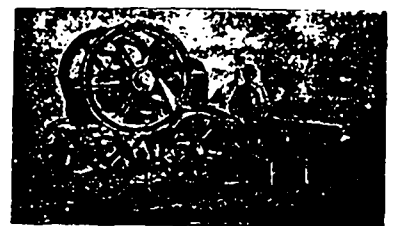
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OTTAWA, ONT.—New Duhamel school in Lower Town: Joseph Bourque, contractor, \$15,750; three and one half storeys, red brick, with stone trimmings. —Two hose waggons: Ottawa Car Co., successful tenderers, at \$625 each.

LIVERPOOL, N.S.—The contract for water pipe has been awarded to the Montreal Pipe & Foundry Co., of Montreal, at the price of \$31.50 per ton of 2,240 lbs., delivered here. Bids were also received from R. D. Wood & Co., of Philadelphia; H. K. Kainer & Co., of New York, and American Pipe & Foundry Co., of Chattanooga, Tenn.

ENNISKILLEN, ONT. —The Enniskillen council received tenders as follows for the construction and repairs of drains. Shepherd drain—James & Joseph Alloway, \$669 (accepted), Harry Burrows, \$765, William Studwell, \$645. Stinson drain—James & Joseph Alloway, \$149 (accepted); A. T. Latham, \$148; William Studwell, \$150. Osborne drain—Wm. Studwell, \$830; James Blair, \$764.89 (accepted); James & Joseph Alloway, \$950.

TORONTO, ONT.—Messrs. Medler & Arnot have been awarded the contract for the erection of an office building on Eastern avenue for the Warren-Scharf Company.—The Board of Control last week awarded contracts as follows: Concrete sidewalks on Sussex ave., St. George to Huron, 67 cents, and on Yonge street, Yorkville to Davenport, \$1.65 per lineal foot, to Excelsior Paving Co.; asphalt pavement on Queen street, from Yonge street to John, \$29,656, Warren-Scharf Co.; brick pavement on Yonge street, Davenport to C.P.R. tracks, \$3,493, J. H. McKnight; incacadam roadways on Division street, Spadina to Huron, \$1,111, and on Washington ave., Spadina to Huron, \$1,287, J. H. McKnight.—Barry, Ross & McRae are said to have been awarded the contract for the construction of 88 miles of railway necessary to complete the Great Northern Railway. The contract, which includes a bridge over the Ottawa river, is to be completed by July, 1900, and the price is given as \$1,664,000.—F. S. Baker, architect, has accepted tenders as follows for a residence in Rosedale. Masonry and plastering, Dancy Bros. Co.; carpentry, E. W. Wyatt; painting, H. W. Johnston; tin-smithing and roofing, Hutson & Son; plumbing and heating, Bennett & Wright Co.; electric wiring not let.—The Bennett & Wright Co. have received contracts to install automatic sprinklers in the new Telegram building and in the T. Eaton Co.'s stores.

MARKET CONDITIONS.

The activity in building operations has created an unexpected demand for brick, and prices have advanced slightly, the quotation for common walling being about \$8. Good facing and sewer brick are selling as high as \$9. Owing to unseasonable weather, business in cement at both Montreal and Toronto has been quiet, but no weakening of the market is shown. A new price list for corrugated iron pipe has been issued, which shows an all-round advance. The price of caetrough is also higher.

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One of the most interesting municipal questions we have to consider is how best to pave towns and cities. This problem is admirably discussed in a recent publication issued by Samuel M. Gray, consulting engineer, of Providence, R. I. Mr. Gray gives the answers to questions propounded to him by the authorities of a number of cities, relative, among other things, to the cost of asphalt and brick paving, time their pavements have been laid, intervals at which repairs were made, and which was preferred. Of the twenty-nine cities that answered the question which kind of paving was preferred, fourteen declared for asphalt, five reported both were satisfactory, three that opinion was divided and one of these that asphalt was preferred by the city engineer, two reported that neither had been fairly tested yet, one that brick was preferred on the whole, one unqualifiedly for brick, one that brick was preferred "except for the noise," and one that asphalt was preferred for residence and brick for business streets.

The average of the cost per square yard of asphalt pavement given by thirty-three American cities is \$2.27, and of brick by thirty-eight cities, \$1.67. The average time of service is about the same, that of brick given by forty-two cities being nine and one-half years, and asphalt given by thirty-one cities being nine years. The average interval at which repairs are reported by seventeen cities as being made on asphalt paving is three years and on brick paving by eleven cities four and eight-tenth years.

The balance of opinion is, therefore, strongly in favor of asphalt. It is dearer than most materials, but taking into consideration its many advantages for traffic and saving of traction power, it is undeniably the cheapest in the end.

MR. H. J. BOWMAN.

Mr. Herbert J. Bowman, the new president of the Association of Ontario Land Surveyors, was born at Berlin, Ont., in 1865, and received his early education in the public schools of that town, afterwards taking the Civil Engineering course in the Ontario School of Practical Science at Toronto, graduating therefrom in 1885. Upon the breaking out of the Northwest Rebellion, he went to the front with the University Company of the Queen's Own Rifles. In 1887 he qualified as a land



MR. H. J. BOWMAN,
President Association of Ontario Land Surveyors.

surveyor, and has always taken a great interest in the affairs of the Association of Ontario Land Surveyors. Mr. Bowman is also a member of the Canadian Society of Civil Engineers, and was for eight years engineer for the town of Berlin, and has had considerable experience in water-works, sewerage and general municipal engineering. In 1896 he was appointed Clerk and Treasurer for the County of Waterloo, which now takes up the greater part of his time, the balance being devoted to surveying and to consultations on engineering questions.

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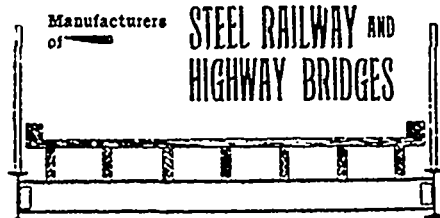
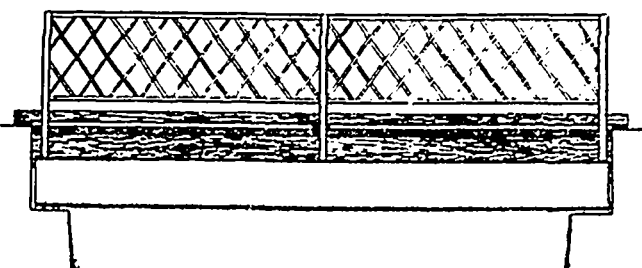
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dill cu l boards and scantling 9 00	10 00	10 00	12 00
Shipping cull boards, pro-			
miscuous widths..... 12 00	13 00		13 00
Shipping cull boards, stocks 15 00	16 00		16 00
Hemlock scantling and joist			
up to 16 ft..... 10 00	12 00		10 00
Hemlock scantling and joist			
up to 18 ft..... 11 00	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 50		29 50
" " " 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

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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 1/2 " " dressed, F M. 35 00	28 00	27 00	30 00
1 1/2 " " 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	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. 2..... 1 75	2 00	2 50	2 00
Cedar..... 2 90			2 00
Red oak..... 30 00	40 00	30 00	40 00
White..... 37 00	45 00	35 00	55 00
Basswood, No. 1 and 2..... 23 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

(Continued on Page 8.)

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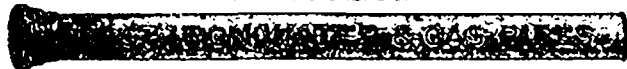
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Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Per Load of 1 1/2 Cubic Yards.

STONE.

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Common Rubble, Large flat Rubble, Foundation Blocks, Ballochmyle, New York Blue Stone, Granite, St. Oldhelm, Bath Freestone, Black Pasture, Thomson's Gatelawbridge, Clark's N. B. Brown Stone, Brown Free Stone, Amherst Red Sandstone, Elgin Town Quarries, Madoc Rubble, Madoc dimension floating, Scoriae Paving Blocks, Masillon.

OHIO FREESTONE.

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes No. 1 Buff Promiscuous, No. 1 Blue Promiscuous, Sewed Ashlar, Jawed Flagg, Above prices cover cost freight and duty.

CREDIT VALLEY STONE.

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Rubble, Brown Coursing, Brown Dimension, Grey Coursing, Grey Dimension.

LONGFORD STONE.

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Rubble, Ashlar, Kent Freestone Quarries Moncton, River John, Quebec and Vermont rough granite.

INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Large index table with multiple columns listing various services and companies such as Architects, Creosote Stains, Drain Pipe, Lighting Supplies, Reversible Windows, Roofers, Sanitary Appliances, Stained and Decorative Glass, Soffit Pipe, Typewriters, Ventilators, Wall Plaster, Wire Lathing.

Toronto. Montreal.

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Ontario, Keene's Coarse Whites, Fire Bricks, Lime, Plaster, Hair, Plasterers.

HARDWARE.

The following are the quotations to builders for nails at Toronto and Montreal: Cut nails, 5d & 6d, per keg Steel "

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes CUT NAILS, FENCE AND CUT SPIKES, 40d, hot cut, 10 to 12d, hot cut, 8d, 9d, 6d, 7d, 4d to 3d, 3d, 2d.

Cut spikes, 10 cents per keg advance. Steel Nails, 1c per kg extra. Wire nails, 250 base, etc.

Iron Pipe:

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Iron pipe, 1/2 inch, per foot, 3/4 inch, 1 inch, 1 1/2 inch, 2 inch.

Toronto, 6 1/2 per cent. discount. Montreal, 70 per cent. discount.

Lead Pipe:

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Lead pipe, per lb., Waste pipe, per lb.

Galvanized Iron:

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Adam's-Mar's Best and Queen's Head and Opollos, 16 to 24 gauge, 26 gauge, 28, Gordon Crown, 16 to 24 gauge, 26 gauge, 28.

Structural Iron:

Table with 4 columns: Material Name, Price per unit, Price per unit, Price per unit. Includes Steel Beam, per 100 lbs., channels, angles, tees, plates, Sheared steel bridge plates.