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CANADIAN CONTRACT RECORD

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

EVERY WEDNESDAY

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

VOL. 11. FEBRUARY 28, 1900 No. 5.

THE CANADIAN CONTRACT RECORD,
PUBLISHED EVERY WEDNESDAY
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Information solicited from any part of the Dominion regarding contracts open to tender.

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Tenders for Pavements and Sidewalks

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, MARCH 7TH, 1900, for the following works:

MACADAM ROADS:
River Street, from Gerrard Street to Spruce Street.
Beau Street, from Elm Ave. to South Drive.

BRICK PAVEMENT:
William Street, from Queen Street to Caer Howell Street.

CONCRETE SIDEWALKS:
Huron Street, west side, from Bloor Street to Lowther Avenue.
Walmer Road, east side, from Bloor Street to north limit of house No. 13.
Cecil Street, north side, from Beverley Street to Huron Street.
St. George Street, west side, from south limit of No. 91 to north limit of No. 112.
College Street, south side, from Beverley Street to Huron Street.
Bernard Avenue, south side, from Avenue Road to Bedford Road.
Simcoe Street, east side, from Front Street to Station Street.

BRICK SIDEWALK:
Goald Street, south side, from Dalhousie Street to Mutual Street.

Contents of envelopes containing tenders must be plainly marked on the outside.
Specifications may be seen and forms of tender obtained at the office of the City Engineer, on and after Monday, February 26th, 1900.

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 signatures of the contractor and his sureties, or they will be ruled out as informal.

Lowest or any tender not necessarily accepted.
E. A. MACDONALD (Mayor),
Chairman Board of Control.
City Hall, Toronto, February 21st, 1900.



NOTICE TO CONTRACTORS TENDERS FOR PAVING QUEEN STREET BRIDGE

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, MARCH 14, 1900 for the above pavement.

Contents of envelopes containing tenders must be plainly marked on the outside.
Drawing and specifications may be seen and forms of tender obtained at the office of the City Engineer on and after Thursday, the 1st of March next.

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 signatures of the contractors and his sureties, or they will be ruled out as informal.

The lowest or any tender not necessarily accepted.
E. A. MACDONALD (Mayor),
Chairman Board of Control.
City Hall, Toronto, Feb. 26, 1900.



SEALED TENDERS addressed to the undersigned and endorsed "Tender for Construction of Hawkestone Wharf," will be received at this office until

THURSDAY, THE 8TH MARCH NEXT.

for the construction of a wharf on Lake Simcoe, at Hawkestone, Simcoe County, Ontario, according to a plan and specification to be seen at the office of H. A. Gray, Engineer in charge, Ontario Harbor and River Works, Confederation Life Building, Toronto, on application to the Postmaster at Hawkestone, 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 tenderers.

An accepted bank cheque, payable to the order of the Honorable the Minister of Public Works, for three hundred dollars (\$300.00) must accompany each tender. The cheque will be forfeited if the party declines the contract or fail 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,
JOS. R. ROY,
Acting Secretary.
Department of Public Works of Canada,
Ottawa, 16th February, 1900.

Newspapers inserting this advertisement with out authority from the Department will not be paid for it.

Robillard, Benoit & Co., contractors, Montreal, have dissolved partnership.

H. Roy, plumber and steam fitter, Montreal, is announced to have assigned, with liabilities of \$3,000.

The estate of James Douglas, contractor, of Westmount, Que., was announced to have been sold on the 20th inst.

TENDERS WANTED

Whole tenders for the erection and completion of the House of Refuge of the County of Essex will be received up to and including SATURDAY, MARCH 17TH, 1900, by Mr. Geo. F. Cronk, Chairman of the Building Committee at Leamington. Plans and specifications may be seen at the office of A. G. Baker, Leamington, Ont., and at the office of H. J. Powell, Stratford, Ont. Separate tenders for both Steam and Hot Water will be required.

The lowest or any tender not necessarily accepted. A marked cheque for 2½% of the amount of the contract must accompany each tender, such cheque will be returned to the unsuccessful tenderers.

Successful tenderer will be required to give good and sufficient bonds for the due performance of the work.

H. J. POWELL, Architect.

CONTRACTS OPEN.

KERWOOD, ONT.—S. B. Morgan will erect a brick residence.

HESPELER, ONT.—R. Forbes & Co.'s mill will be built immediately.

ORILLIA, ONT.—The Canada Wood Specialty Co. will install a steam plant.

BRAMPTON, ONT.—H. Dale will probably build this year a large green house.

NORTH AUGUSTA, ONT.—It is the intention of Jos. York to build a residence.

NAPIER, ONT.—Property has been purchased on which to erect a school building.

MIMICO, ONT.—The Industrial School Board have decided to purchase chemical fire engines.

AULTSVILLE, ONT.—The Presbyterians have decided to erect a new church, of pressed brick.

GALETTA, ONT.—It is expected that work will shortly be commenced on a new Anglican church.

PARRSBORO, N. S.—The Commercial Bank of Windsor will erect a bank building here this spring.

BUCKINGHAM, QUE—A government surveyor was here last week laying out the site for new post office.

KINGSVILLE, ONT.—It is said that a new railway bridge will be built over Wigle Creek, west of this city.

EDMONTON, N. W. T.—F. Deggen-dorfer, architect, wants tenders by noon of March 5th for erection of Walker block.

WIARTON, ONT—A deputation from this vicinity has requested the Minister of Public Works to improve the harbor here.

RAT PORTAGE, ONT.—D. H. Currie, town clerk, will receive offers up to March 22nd for purchase of \$99,000 worth of debentures.

DUNDAS ONT.—Mr. Brass, architect, of Hamilton, will submit estimates of the cost of ventilating the public school buildings.

WOODSTOCK, N. B.—Jas. McQueen has purchased the Dickenson building and will put in plate glass front and a new foundation.

MIDLAND, ONT.—At meeting of School Board held last week it was pointed out that the proposed addition to the west ward school would cost \$4,625 exclusive

of heating and ventilating. As only \$5,000 has been granted for the work, it is probable that new plans will be prepared.

BARRIE, ONT.—The ratepayers, on Monday last, voted in favor of a loan of \$30,000 to the Barrie Tanning Co. to build a new tannery.

BEAURIVAGE, QUE.—The corporation has applied to the Quebec Legislature for authority to construct an electric railway in this vicinity.

VANCOUVER, B. C.—W. T. Whiteway, architect, wants tenders by March 3rd for erection of a three storey brick building for J. B. Lovell.

HESSON, ONT.—Rev. J. J. Guam, parish priest, wants tenders by March 3rd, for erection of shed 240 feet long, on sione foundation.

SMITH'S FALLS, ONT.—It has been suggested that instead of erecting a new school building a wing be added to the Elgin street school.

LINDSAY, ONT.—A gentleman has offered to erect a hospital in this town, provided the public will subscribe an endowment of \$50,000.

RIDGETOWN, ONT.—Land is being purchased for the extension of the Lake Erie & Detroit River Railway from this place to St. Thomas.

DIGBY, N. S.—A meeting of ratepayers was held on Monday last to consider the raising of funds to erect a fire hall. C. Jamison is town clerk.

PELEE ISLAND, ONT.—It is reported that the government will grant an appropriation of \$5,000 to build a dock on the west side of Pelee Island.

PARRY SOUND, ONT.—Early in the spring the Canada Atlantic Railway will commence the erection of the proposed elevator at Depot Harbor.

NAPANEE, ONT.—The corporation invites tenders up to March 1st for lighting the streets of the town for a term of years by gas or electricity.

TETREAUVILLE, QUE.—It has been decided to proceed at once with the erection of a new R. C. chapel. Rev. Father Valiquette is parish priest.

BRANTFORD, ONT.—It is believed that the G. T. R. authorities are about to take definite action regarding the extension of their road through this city.

ST. CATHARINES, ONT.—Three tenders for sewer pipe were received by the council, a Buffalo firm being the lowest. No award has yet been made.

WESTMOUNT, QUE.—A movement has been commenced which is almost certain to result in the erection of a well equipped hospital, to cost about \$75,000.

SARNIA, ONT.—Capitalists from Bay City and Detroit were in this town last week inspecting available sites for large wood-working establishments.

UXBRIDGE, ONT.—The ratepayers will probably be asked to vote on a by-law to raise \$6,000 for a town hall and \$3,000 to assist in establishing a canning factory.

STRATHMORE, ONT.—D. McIntosh, township clerk, wants tenders by Saturday, March 10th, for construction of Layershanks drain, estimated cost \$910.

ORMSTOWN, QUE.—At a recent meeting of the Eastern Townships Good Roads Association resolutions were adopted favoring the purchase of road machinery.

YARMOUTH, N. S.—The town proposes installing a waterworks pumping plant, and probably an electric light plant. The contract for street lighting expires July next.

WOODVILLE, ONT.—The Victoria Telephone Co., at a recent meeting, decided to extend their line to Lindsay. J. G. Eyres, this place, is president of the company.

WHITBY, ONT.—Thomas Deverell will receive tenders up to 3rd inst. for the supply of 20 kegs of wire nails, 40,000 feet of pine lumber and 10,000 feet cedar lumber.

PETERBORO, ONT.—The ratepayers, on 22nd inst., voted in favor of rebuilding the Chemong lake bridge, for which tenders were recently invited in the **CONTRACT RECORD**.

WINDSOR, ONT.—Plans have been prepared for a brick tobacco factory, 40 x 100 feet, four storeys high, to be built here. H. Wigle, of Ruthven, is interested.

WELLAND, ONT.—Public School Board has deferred action regarding the tenders for new building until it is ascertained what sum shall be offered for the present school property.

TRURO, N. S.—F. C. Coffin, C. E., of Boston, has submitted to council plans and estimates for a complete sewerage system. He places the cost of a separate system at \$84,503.90.

HALIFAX, N. S.—J. J. Stewart and Wm. Dennis, of the Halifax Herald, have purchased the building, corner of Granville and George streets, and will fit up part of it for stores and offices.

WOODBRIDGE, ONT.—Vanghan township council is considering an application from the Suburban Electric Railway Co. for running powers through the township to this place and Schomberg.

WALLACEBURG, ONT.—The town clerk has been instructed to obtain prices on a new bell for the fire hall.—C. B. Jackson is building a new sail yacht for use at his summer resort on the St. Clair.

CHARLOTTETOWN, P. E. I.—Richard Smith, secretary Provincial Department of Public Works, invites tenders up to March 10th for repairing Hayden's mill bridge over Vernon river and a bridge on Stewart road.

LEAMINGTON, ONT.—Architects are invited to submit plans by March 10th for two-storey four-roomed school house, brick or brick veneered, cost about \$7,000. Particulars from John Selkirk, secretary School Board.

ARTHUR, ONT.—R. Martin, county commissioner, wants tenders by noon of March 1st for building stone or concrete abutments for Gibson's bridge, on town line between Peel and Arthur; J. Hutchison, of Guelph, engineer.

STURGEON FALLS, ONT.—It is understood that the Lloyds, of Lonoon, England, have purchased a part interest in the Imperial Paper Co., of this place, and that the work of extending the property will be carried on immediately.

ALMONTE, ONT.—Commissioners have reported to Lanark township council that it is necessary to rebuild the bridge over the Indian River.—The Almonte Rink Co. will likely build a rink during the coming summer. T. J. Kirkland is secretary of the company.

CAMPBELLTON, N. B.—The Council has appointed a deputation to interview the Dominion government regarding harbor improvements.—It is probable that considerable improvements will be undertaken, including the construction of waterworks and pavements.

BERLIN, ONT.—Geo. Zeigler has purchased property, corner Ahrens and Maynard streets, and will erect a modern residence.—The Board of Works last week considered estimates for a roadway on King street. A roadway of brick will cost \$25,000, and macadam about \$12,000.

GODERICH, ONT.—A Detroit capitalist has made a proposition to build a large summer hotel here.—The Grand Trunk Railway has agreed to erect a station here to cost not less than \$5,000.—The Fire Committee has recommended that the council purchase two extension ladders, 600 feet of hose and other fire apparatus.

COLLINGWOOD, ONT.—It is the intention of J. & T. Charlton to completely modernize the saw mill in this town recently purchased by them. The mill will be enlarged, five tubular boilers and a new engine put in, a double hand saw added and the docks rebuilt; estimated

cost, \$50,000.—A committee of the council has again recommended that a residence be built in connection with the jail.

WINNIPEG, MAN.—The council will invite tenders for an automatic striker in 1,200 pound fire bell.—Manager White, of the C.P.R., has objected to the site of the proposed crematory.—S. Frank Peters, architect, wants tenders by March 3rd for all trades except painting required in erection of three-storey brick and stone building on Donald street for J. R. Gilmer.

GUELPH, ONT.—The Raymond Manufacturing Co. purpose extending their works.—The council have appointed a committee to consider the erection of a building for fire and light purposes.—The Guelph township council invites tenders up to March 10th for erection of wooden truss bridge, 95 feet in length, over the river Speed; contractor to furnish plans and specifications. Particulars from Jas. Laidlaw, jr., reeve.

VICTORIA, B. C.—The council has appropriated \$17,000 for a pumping station and \$3,000 for investigating the Sorby harbor scheme.—Thos. Hooper, architect, is taking tenders this week for a brick building, two storeys, to be erected on Government street for Mrs. Baumquart.—Wm. W. Northcott, purchasing agent for the corporation, invites tenders up to March 12th for two steam pumps and fittings and three boilers and fittings for waterworks plant.

ST. JOHN, N. B.—It is understood that application will be renewed for a provincial charter to operate a street railway in Fairville and Carleton.—The city engineer is preparing plans for construction of new wharves, estimated cost \$50,000.—A committee will recommend to council that tenders be invited for supply of a new hook and ladder truck.—At a meeting of the St. Johns City and Council Good Roads Association held last week, the council was again urged to proceed with the proposed plan of street improvements.

LONDON, ONT.—The Masonic Temple board of directors have decided to rebuild the Temple building, burned last week. It will be one story higher and fitted for office purposes. The Grand Opera House will also be rebuilt, but probably on a different site. C. J. Whitney, the lessee, has been in the city looking up suitable property.—The council will probably be asked to issue \$15,000 debentures for school purposes.—Tenders will be called immediately for annual supplies for the city.—A 50 foot extension to the Front street breakwater will be recommended by the Board of Works.

HAMILTON, ONT.—The Sewers Committee will invite tenders shortly for annual supplies.—The Board of Works have instructed the city solicitor to take steps to compel the Grand Trunk Railway to open up Ferguson avenue and renew the bridge on the heights.—J. T. Glassco has been granted a permit for addition and alterations to 55 and 57 King street east, cost \$4,000.—The Finance Committee has been asked to contribute \$1,000 of the \$3,000 required to erect a building at the rifle ranges.—The Carbolite Co., Limited, will shortly commence the erection of a large factory, near the smelting works, for the manufacture of calcium carbide.

SYDNEY, C. B.—The sum of \$200,000 has been voted for the following purposes: Sewerage, \$75,000; waterworks, \$75,000; fire department, \$12,500; sidewalks, \$10,000; schools, \$27,500.—The plans for new residence of Mr. Moxham, manager of the Dominion Iron and steel Co., show that it will be 90x69 feet, three stories high, with conservatory, green house and laundry buildings covering an equal area. The interior finish will be mostly of American oak and yellow pine, the dining room in mahogany.—The Cape Breton Manufacturing Co. is seeking incorporation, to

manufacture bricks. The shareholders are Montreal gentlemen, including R. S. Hodgins and Malcolm Macfarlane, contractors.

KINGSTON, ONT.—At the annual meeting of the Rideau Navigation Co., held last week, it was stated that a third steamer would be built, as well as hotels at Jones' Falls and Big Rideau Lake. J. F. Lesslie, this city, is secretary.—The Board of Works will shortly call for tenders for annual supply of lumber, scantling, hardware, etc.—Architect Ellis is preparing plans for remodelling for Crumley Bros. the store occupied by J. Hiscock.—Mr. Storey, architect, has prepared plans for a residence to be built in this city for John A. Wilmott, of Pittsburg; hot air heating, cost about \$3,000.—Arthur Ellis, architect, asks tenders for remodelling store building for Miss Gildersleeve.

CHATHAM, ONT.—Geo. Gordon wants tenders by March 1st for erection of brick residence, stone foundation, slate roof, hot air heating, modern plumbing, etc.—Dr. G. T. McKeough is taking tenders this week on erection of frame residence at Erie Eau; plans by T. J. Rutley, architect.—A brick block may be built on Fifth street, adjoining Sheldon's liquor store.—John Mackay wants tenders by March 10th for erection of brick residence, stone foundation, hot air heating; T. J. Rutley, architect.—The Board of Works, at last meeting, decided to advertise for tenders for supplies for the year and for improvements to the Adelaide street bridge.—It is proposed to lay 9,000 sq. yards of brick pavement on King street.

HULL, QUE.—J. E. Gauthier, architect, of Montreal, has been instructed to prepare plans for proposed boot and shoe factory. The building will cost \$15,000, the plant, including electric motors, \$15,000, and drainage, heating and ventilating apparatus and grounds, about \$8,000.—It is expected that contracts will shortly be let for pile construction, lamps and fixtures in connection with the proposed electric lighting plant. For the present current will be obtained from a private company.—The Gatineau Junction Brick Co. has been incorporated, with headquarters here, to manufacture brick, cement and builders' supplies. The plant will be situated at Leamy's Lake, building operations to commence early in the spring.

OTTAWA, ONT.—J. W. McRae states that he expects that work on the proposed factory for the manufacture of ink and paints will be commenced in the spring.—The Department of Public Works invites tenders up to March 9th for construction of breakwater at Canoe Cove, Queens county, P. E. I. Plans at office of J. B. Hagan, resident engineer, and at the above department.—J. E. Walsh, general passenger agent of the Canada Atlantic Railway, was in Toronto and Hamilton last week in connection with the establishment of modern hotels on the route of their road to Algonquin park.—Robert Surtees, C.E., on behalf of the Ottawa Improvement Commission, is preparing plans and estimating the cost of a drive-way along the western bank of the canal from the Russell House to the Experimental Farm.—Gloucester township council have asked the city council to petition the government to take steps to prevent the Rideau river floods.—Initiatory steps have been taken towards the construction of proposed dam across the Ottawa river from Mechanicsville to Tetreauville.—The city engineering department has decided to initiate by-laws for the construction of permanent roadways on Elgin and O'Connor streets, from Wellington to Albert; on Daly avenue, from Nicholas to Charlotte; on Somerset street, from Bank to Bay; and on Queen street, from Bay to Concession.—Tenders close March 13th for city supply of oils,

lead pipe, brass goods, hardware, valves, castings, cast iron pipe and fire alarm supplies.—Building permits have been granted as follows: Geo. A. Earnen, brick veneered dwelling, James street, cost \$1,400; Baldwin Iron Works, wooden building for foundry, Bridge street, cost \$2,500.

TORONTO, ONT.—Nerlich & Co. have purchased a lot, 40x250 feet, on Front street, opposite Union station, and will erect a six story warehouse thereon.—Tenders are wanted at 41 Queen street east for plumbing, plastering and electric wiring of two houses.—The Albany Club are negotiating to secure the upper flats of the two stories just west of their present quarters, with a view to increased accommodation.—J. Francis Brown, architect, is taking tenders on erection of store and stable.—It is understood that the Mail Job Printing Co. have purchased property on Wellington street, between Bay and York, and intend erecting a building suitable for their printing business.—A. E. Kemp, president of the Board of Trade, addressed the Board of Control last week on the question of harbor improvements. He explained that it was proposed to construct sheet piling from a point west of Cherry street to the Island, east of the the gap, also flood-gates and a channel from the Don into Ashbridge's Bay. The Board of Control decided to co-operate with the Board of Trade in petitioning the Government.—The Provincial Board of Health have written to the city authorities pointing out the necessity of taking steps to secure an efficient sewerage system.—A deputation representing the Industrial Exhibition Association and the City Council have asked the Ontario Government to grant \$5,000 in aid of the construction of a dairy building at the Toronto Exhibition. The proposed building will cost \$20,000.—At a meeting of the trustees of the National Sanitarium Association held last week, the necessity for additional buildings at Gravenhurst was discussed.—The estimates of the city commissioner for clocks in the Cowan, Ossington and Bolton avenue fire halls were, at last meeting of Fire and Light Committee, left over for further consideration.—The city engineer has submitted a list of the street railway extensions that have been recommended by council, but have not yet been constructed by the company. The cost of constructing pavements on these extensions is placed at \$75,200.—The following works have been recommended by the city engineer: Sewer on Columbus avenue, from Sorara avenue to west end Columbus avenue, cost \$829.50. Brick Walks—Simcoe street, east side, Richmond to Queen, cost \$192; King

street, north side, Sumach to Sackville, cost \$638. Macadam roadways—Gerrard street, Parliament to Sherbourne, cost \$8730. Concrete walk—King street, north side, Spadina avenue to Bathurst street, cost \$1284; Bloor street, north side, St. George street to Walmer road, cost \$1350.—The authorities of St. Paul's Anglican church, Bloor street, have decided to spend \$8,000 in lengthening the church and increasing the seating capacity.—The management of the Queens hotel is about to build a new wing to contain 50 rooms, 37 of which will be provided with bath-rooms.—Geo. C. Robb, of the Boiler Inspection Co., has recommended that all the boilers in the machinery hall on the exhibition grounds be taken out, the boiler house remodelled, two new tubular boilers of 125 h.p. each put in, and a 72-foot brick chimney erected; estimated cost, \$4,600.—The city has given notice of its intention to construct the following works: Asphalt pavement on Wilton ave. and crescent, Yonge to Sherbourne, cost \$33,640; asphalt pavement on Brunswick ave., from Bloor to Wells street, cost \$15,440; asphalt pavement on Boswell ave., from Avenue to Bedford road, cost \$3,960. Brick pavement on each side of street railway tracks on Church street, Queen to Bloor, cost \$57,040. Reconstruction of existing macadam roadway on Shuter street, Yonge to Sherbourne, cost \$10,550. Cement concrete sidewalk on Boswell ave., from Avenue to Bedford road, cost \$2,220. Macadam roadway on each side of the street railway track on Dundas street, from Bloor to Humberside ave., cost \$12,800.—A building permit has been granted to H. J. Smith, for a pair of two-storey and attic brick and stone dwellings, 353 and 355 Givens street, near College, cost \$4,000 (R. Smith, architect.)

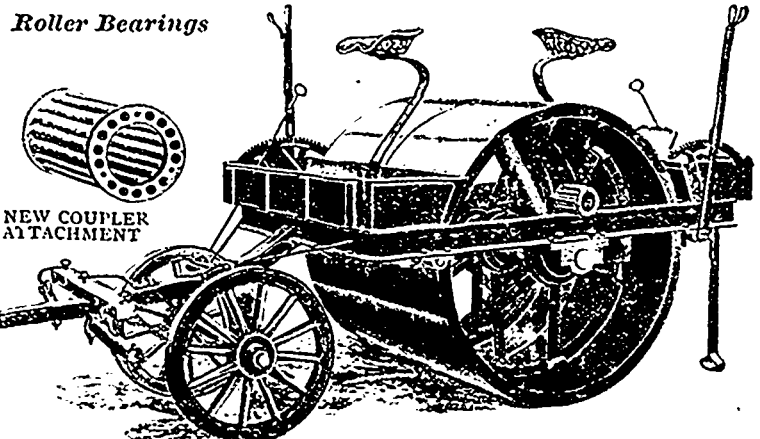
FIRES.

Residence of Mr. Norman, near Thornhill, Ont., loss partially covered by insurance.—St. Paul's Anglican church at Renfrew, Ont., partially destroyed; insurance \$1,800.—Building at Essex, Ont., owned by the Ontario Permanent Building & Loan Association, of Woodstock. Bennett Bros., foundrymen, and Laing, Ritchie & Co., were losers.—General store and warehouse of W. A. Burdett & Co., at Bridgetown, P.E.I., totally destroyed; building owned by Richard Burdett.—Mill and elevator of Marume Milling Co., at New Glasgow, N.S.; heavy loss.—General store and post-office of Anderson & Smith, at Wanstead, Ont.; loss on building \$1,000.—Masonic temple and Grand opera house at London, Ont., totally destroyed; loss about \$200,000.—

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Theatre Francals, corner St. Catharines and Dominique streets, Montreal, together with several stores and dwellings, totally destroyed; loss \$150,000.

CONTRACTS AWARDED.

MONCTON, ONT.—Completing I. C. R. office building: C. O. Rowe, Paul Lee and R. F. Kinnear, contractors; price about \$7,000.

TORONTO JUNCTION, ONT.—David Hall has let contracts for residence to be built on Clendennan avenue, cost \$2,600.

MITCHELL, ONT.—A. Hill & Co. have received a bridge contract from the Fullarton council.

CHATHAM, ONT.—Brick residence for John Moore, Raleigh township: Blonde Bros. & Co., contractors.

INGERSOLL, ONT.—Warehouse for Bond & Smith: Brickwork, A. J. Clark & Son; carpenter work, not let.

MONTREAL, QUE.—New tail race for the Chambly Water and Power Co.: P. Lyall & Son, contractors.

PORT COLBORNE, ONT.—Two story residence for Leopold Hopkins: Augustine & Son, contractors.

WELLESLEY, ONT.—Parsonage for Oetzel's church: Conrad Wettlaufer, successful tenderer.

NEW HAMBURG, ONT.—Residences for Jacob Becker and J. R. Feitch: Mr. Foller, of Phillipsburg, contractor.

TONONTO, ONT.—It is rumored that the contract for extension of western pier at eastern channel has been let to W. E. Finn.

WINNIPEG, MAN.—The Government is understood to have awarded the contract for St. Andrew's Rapids improvements to Thos. Kelly, of this city. Work will cost about \$600,000.

WALLACEBURG, ONT.—\$29,832.09 of debentures: G. A. Stimson & Co., Toronto, purchasers, at \$30,260.—Knox church: seating, Globe Furniture Co., Walkerville; glass, Hobbs Stained Glass Co., London.

BROCKVILLE, ONT.—The James Smart Manufacturing Co., this city, are placing a No. 30 Kelsey warm air generator in the public school at Stoney Creek, Ont., and a No. 24 generator in the new residence of R. S. Box, private banker, at St. Mary's.—Construction of granolithic sidewalks for 1900: Frank Dolan, successful tenderer.

HAMILTON, ONT.—Departmental store for R. Mackay & Co.: Masonry, R. & J. Tope; carpenter work, H. McKellar; plastering, J. T. Bryant; plumbing, Adam Clark; heating, Burrows, Stewart & Milne; painting, A. E. Williams; tin-smithing, J. E. Riddell; tearing out wall, S. S. King; electric wiring, Lowe & Farrell.

HARRISTON, ONT.—Geo. Gray, architect, has let contracts for the following: Two roomed school in village of Fordwich, H. Calder, of Listowel, contractor; brick, stone basement, hot air heating, slate blackboards. School building in section 4, township of Maryborough: M. Wooldridge, of Palmerston, contractor; brick, stone basement, hot air heating, slate blackboards.

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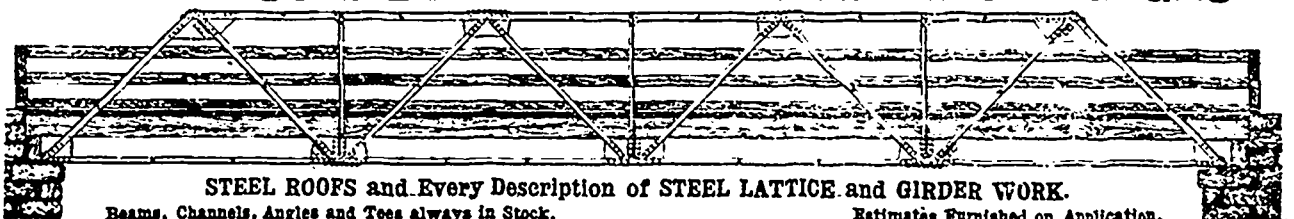
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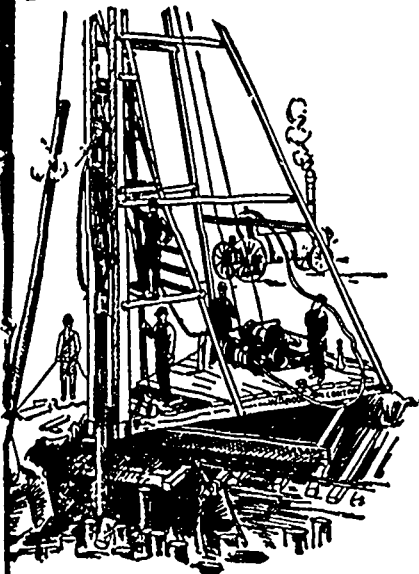


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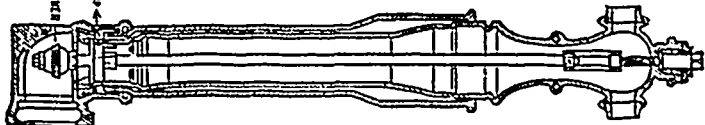
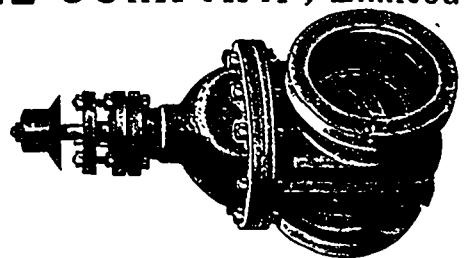
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(Concluded)

The specifications were then changed, providing for the heartwood of the long leaf southern yellow pine, with the blocks 4 in. wide, 4 in. deep with the grain of the wood and impregnated with ten pounds of the best quality of creosote oil. These blocks were laid in the manner above described, except that a space of from 1 to 2 in. (according to the width of the streets) was left between the curb and the blocks for expansion. This space was filled with dry sand and covered over with heated paving pitch. The intersices were partly filled with fine, dry sand and the street surface rolled to a smooth surface before covering with heated paving pitch and top dressing with fine gravel or screenings. In no instance have we had any trouble on any of these streets from the blocks bulging. The surface of these streets is as smooth as a floor, and has a soft brown color that is restful to the eye. Under the heaviest traffic no wear is as yet noticeable and the streets are in perfect condition. The oldest is about three years old. It appears that the dirt of these pavements does not grind into such fine dust as it does on the asphalt and consequently is not as unsanitary nor annoying. The cost of cleaning is less than brick or asphalt, for the reason that we do not have to clean as often. We often hear complaints of the heat that comes from asphalt on hot days. This does not seem to be common to the wood, but one quality that seems to be preeminent is noiselessness. I think that people pay more attention to this quality, of late years, than they used to; in fact, they now often demand it, whereas, when I was a younger man, people would speak of it as desirable, but were not willing to be assessed anything extra on that account. We feel that the creosoted wood block pavement is a success from every point of view. We believe that, constructed of the material we are using (or other strong woods, like beech, tamarack, red or yellow fir), properly creosoted, using first-class quality of creosote without adulteration, that the pavement is more durable than asphalt and brick and nearly as durable as granite. It certainly has met with an enthusiastic reception in this city, as is testified to by the great demand for it. We have contracted for about three times as much this year as we have for asphalt. There is practically no demand for stone or brick in this city except for alleys.

* Paper read before the American Society for Municipal Improvements by M. A. Downing, President Board of Public Works, of Indianapolis, Ind.

We have not adopted the European method of spacing the blocks from a quarter to a half inch apart and filling them with portland cement grout, but I am not sure that their practice is not preferable. We have found up to this time that our present practice is good and our engineer hesitates to depart from it, although I must say that when the blocks are driven so closely together it is next to impossible to get any filled in the joints. This may cause swelling later, although I hardly think so.

We have thus far not followed the common European practice of making the surface of the concrete perfectly smooth and laying the blocks directly thereon, but have introduced the 1 inch cushion of sand. But if we are called upon to pave heavy traffic streets we will probably do so, as experience in both London and Paris has shown that the practice has been successful, as the Rue de Rivoli, over which pass 42,000 vehicles per day, and King William St., the busiest in London, are both paved with wood in that way. Few people understand the efficacy of creosoting;

why the wood seems harder, tougher, and more durable. It is simple. Wood dried to 10 per cent. moisture has about double the power to resist crushing and abrasion that it has if very wet. In creosoting, the sap and moisture are removed and the heavy oil (creosote) which repels moisture becomes encysted in the fibre of the wood. When snow and rain lie on the pavement they may get to some extent into the cells, but not to any great extent into the fibre, because they cannot displace the oil; hence the fibre remains dry, and, of course, retains its strength. The uncreosoted wood pavements wear doubly as much in wet weather as they do in dry weather. This is not true of the creosoted wood pavements for the reasons above given.

I might say a word in regard to cost. This would probably vary according to the distance the blocks would have to be freighted. The pavement laid with long leaf yellow pine blocks, 4 inches deep treated with 10 lb. of the best quality of creosote oil per cubic foot of wood, laid on a concrete foundation complete, and guaranteed from five to nine years, has cost us from \$2.10 to \$2.50 per square yard.



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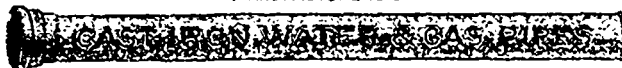
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"Burham" (English).....	2 95 3 00 2 25 2 45
Hydraulic Cements—	
Thorold, per bbl.....	1 50 1 65
Queenston, ".....	1 50 1 50 1 60
Napanee, ".....	1 50 1 50
Hull, ".....	1 50 1 50
Ontario, ".....	1 25

Fire Bricks, Newcastle, per M	30 00	35 00	16 00	21 00
" Scotch	30 00	35 00	19 00	21 00
Lime, 100 lbs., Grey.....			25	
" " White.....			30	
Plaster, Calcined, N. B.....			2 00	
" " N. S.....			2 00	
Hair, Plasterers', per bag.....	80	1 00		

HARDWARE.	
The following are the quotations to builders for nails at Toronto and Montreal:	
Cut nails, 50d & 60d, per keg	2 65
Steel " " "	2 75

CUT NAILS, FENCE AND CUT SPIKES.	
40d, hot cut, per 100 lbs.....	2 65
10 to 12d, hot cut.....	2 75
8d, 9d, " ".....	2 80
6d, 7d, " ".....	2 95
4d to 5d, " ".....	3 05
3d, " ".....	3 20
2d, " ".....	3 65
Cut spikes, 10 cents per keg advance.	
Steel Nails, 10c. per keg extra.	
Wire nails, 3.40 base price.	

Iron Pipe:	
Iron pipe, 1/2 inch, per foot.....	6c.
" " 3/4 " " ".....	7
" " 1 " " ".....	8 1/2
" " 1 1/4 " " ".....	12
" " 1 1/2 " " ".....	17
" " 2 " " ".....	24
" " 2 1/2 " " ".....	30
" " 3 " " ".....	43

Lead Pipe:	
Lead pipe, per lb.....	7c. } 35 per cent.
Waste pipe, per lb.....	7 1/2 } cent.

Galvanized Iron:	
Adam's—Mar's Best and Queen's Head and Apollo:	
16 to 24 gauge, per lb.....	4 1/2c. 4 3/4c.
26 gauge, ".....	4 3/4c. 5
28 ".....	5 5 1/4
Gordon Crown—	
16 to 24 gauge, per lb.....	4 1/2 4 3/4
26 gauge, ".....	4 3/4 4 3/4
28 ".....	4 3/4 5
Note.—Cheaper grades about 1/2c. per lb. less.	

Structural Iron:	
Steel Beams, per 100 lbs.....	2 75
" channels, ".....	2 85
" angles, ".....	2 50
" tees, ".....	2 80
" plates, ".....	2 55
Sheared steel bridge plate.....	