

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF
PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • ANY 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. 12.

JUNE 12, 1901

No. 19

THE CANADIAN CONTRACT RECORD.
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Telephone 2362.
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Telephone Main 2299.
Advertising Rates on application.

TOWN OF BERLIN

Berlin Board of Works

TO CONTRACTORS

Tenders will be received by the undersigned up to noon on SATURDAY, 22ND INST., for the construction of the Victoria Street Drain.

Plans and specifications may be seen, and forms of tender obtained at the office of the Town Clerk. The lowest tender not necessarily accepted.

(Signed) CASPAR BRAUN,
Chairman Board of Works.

TO CONTRACTORS.

Tenders will be received until noon, SATURDAY, JUNE 15, at the offices of Messrs. Symons & Rae, architects, Toronto street, Toronto, and Mr. Arthur Ellis, architect, Kingston, for the erection of proposed

**Arts Building,
Queen's University,
Kingston.**

Plans and specifications can be seen at either of the above mentioned offices. The lowest or any tender not necessarily accepted.

J. B. McIVOR,
Secretary-Treasurer Queen's University,
Kingston, Ont

Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publishers of any irregularity in delivery of paper.

TO ARCHITECTS

Wanted—an engagement as Draughtsman by Architect having varied experience, principally in domestic and suburban and domestic interior design; exhibitor at R.A. and R.C.A.

Address care of C. H. MORTIMER, Esq.,
Canadian Architect,
Toronto.

A MANAGER WANTED

by the Stratford Gas and
Electric Light Company.

Applications will be received till JUNE 21st. Letters addressed to the President will receive prompt attention. State in application what experience and salary. A young married man preferred.

Pumping Machinery and Turbines

Sealed proposals will be received at the office of the City Engineer, Hull, Canada, up to 12 o'clock, noon, of

Tuesday, the 25th day of June, 1901,

for the manufacture, delivery and erection of two sets of duplex, double acting, power pumps, each set having a capacity of 3,000,000 U.S. gallons per day.

Together with turbine wheels, shafting and gearing for operating said pumps under a head of 18 feet.

Plans may be seen at the office of the undersigned, from whom specifications and any further information may be obtained.

The right to reject any or all tenders is reserved.

R. W. FARLEY,
City Engineer.

Tenders

To be received by the Town of Woodstock Ont., at 5 p.m., on TUESDAY, THE 18TH DAY OF JUNE, for a 20 h.p. Compound Engine and accessories, and 150 kilowatt A.C. Generator and accessories.

Specifications may be seen at the office of the Secretary-Treasurer, Water and Light Commissioners, Woodstock, Ont.

A marked cheque for 5% of the amount of the tender must be deposited.

For further particulars apply to the undersigned.
GEO. C. EDEN, WM. A. TURHAYNE,
Secretary-Treasurer, Consulting Electrical Engineer,
Woodstock, Ont. Hamilton, Ont.

MIDLAND WATER WORKS

Sealed Tenders will be received by D. L. White, Esq., Chairman Water Works Committee, Midland, Ont., until 7:30 p.m. on

Monday, the 17th day of June, 1901,

for the following subdivisions of the above works, comprising—

Pipelaying, Water Tower, Pipes,

Fire Hydrants and Valves,

Pumping Machinery and Boilers.

Plans and specifications may be seen at the office of the Chairman of Water Works Committee, Midland, or at the office of the Chief Engineer, 103 Bay Street, Toronto, on and after May 28th, 1901

WILLIS CHIPMAN, D. L. WHITE,
Chief Engineer, Chairman of Water Works
Toronto, Committee, Midland.

Tenders Wanted

Sealed Tenders, marked "Tenders for Sewerage," addressed to the undersigned, will be received until

SATURDAY, 22nd day of June, 1901,
AT NOON.

for the putting in of a Sewerage System for the whole Town of Campbellton, N. B., according to the plan and specifications of Willis Chipman, C. E., Toronto, Ont.

Plans and specifications may be seen at the office of the said Willis Chipman C.E., Toronto, and at the office of the undersigned, Chairman of Sewerage Committee, Campbellton, N.B. The work to be completed on or before the 15th day of October, 1901.

Each tender must be accompanied by a certified bank cheque, payable to the Town Treasurer, or cash for an amount equal to five per cent of the tender, which will be forfeited if the party tendering declines to enter into contract when called upon, or fulfill specifications. Should the tender not be accepted the deposit will be returned.

Not obliged to accept the lowest or any tender.
WM. MURRAY,
Chairman of Sewerage Committee.
Campbellton, N.B., May 7th, 1901.

SAULT STE. MARIE SEWERAGE WORKS

Sealed tenders addressed to W. J. Thompson, Esq., Mayor, and endorsed "Tender for Sewerage Works," will be received until 6 p.m. on

Saturday, June 22nd, 1901,

for the construction of Sections "A" and "B" of the Sault Ste. Marie Sewerage System, comprising about 15,000 lineal feet of sewers, a large proportion being in rock, all of which work shall be completed this season

Plans, profiles, specifications, etc. may be seen at the Chief Engineer's office, Sault Ste. Marie, Ontario, on and after June 8th, 1901.

No tender necessarily accepted.

WILLIS CHIPMAN, W. J. THOMPSON,
Chief Engineer, Mayor,
103 Bay St., Toronto. Sault Ste. Marie, Ont.

TENDERS WANTED

Smith's Falls Water Works
and Sewerage Works

Sealed Tenders will be received by the Town Clerk, endorsed "Tenders for Water Works and Sewerage Works," until 7:30 p.m. on WEDNESDAY, JUNE 13th, 1901, for the construction of about 11,000 lineal feet of tile sewers and laying about 8,000 lineal feet of water mains, nearly all in rock trenches.

Plans and specifications may be seen at the office of the Town Clerk, Smith's Falls, Ont., or at the office of the Chief Engineer, Toronto, on and after May the 18th, 1901.

No tender necessarily accepted.

WILLIS CHIPMAN, B. F. SPARHAM,
Chief Engineer, Town Clerk,
103 Bay Street, Toronto. Smith's Falls, Ont.
May 23rd, 1901.

TENDERS WANTED

Tenders will be received by the Council of the Village of Exeter up to 7 o'clock p.m., on MONDAY, JUNE 24TH, 1901, for laying 15,000 feet (more or less) of Granolithic Sidewalks.

Plans and specifications may be seen at the office of W. H. Levett, Esq., Exeter.

GEO. H. BISSETT,
Village Clerk

Exeter, June 12th, 1901.

BRIDGE

Separate tenders addressed to the undersigned or to Mr. W. J. Mulloy, Yatton P.O., will be received up till the evening of MONDAY, JUNE 24TH, 1901, for the building of Concrete or Masonry abutments and Steel Superstructure of a county bridge over the River Speed on the town line between Guelph and Eramosa Townships.

The plan and specifications of the masonry may be seen by applying to either W. J. Mulloy, Yatton, P.O., or John McClellan, Arthur, or at the County Clerk's office, Fergus, or at the engineer's office, Guelph.

A deposit in the form of a marked cheque for 5 per cent. of the amount of tender must accompany each bid.

The lowest or any tender not necessarily accepted.

J. HUTCHEON,
Engineer,
Guelph.



Sealed Tenders addressed to the undersigned, and endorsed "Tender for Pier and Abutments, Des Joachims Interprovincial Bridge, across the Northern Channel," will be received at this office until WEDNESDAY, THE 13TH JUNE, inclusively, for the masonry required in connection with the projected iron bridge over the main channel of the Ottawa river, across the northern channel, at Rapids Des Joachims, County of Pontiac, P. Q., according to plans and a specification to be seen on application to the Postmaster, Pembroke, Ont., 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 cheque on a chartered bank payable to the order of the Minister of Public Works, for eleven hundred dollars (\$1,100.00) 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,
Ottawa, 23rd May, 1901.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.

DATE OF PUBLICATION.

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

CONTRACTS OPEN.

PETROLEA, ONT.—E. Fletcher is about to build a new hotel.

GLACE BAY, N.S.—Kenneth Ferguson is about to erect a general store building.

CHARLOTTETOWN, P.E.I.—L. McLean has invited tenders for erection of dwelling.

RAT PORTAGE.—The Rat Portage Cold Storage Co. will erect a cold storage warehouse.

PERTH, ONT.—Willis Chipman, C. E., of Toronto, has been engaged to prepare specifications for granolithic

walks to be put down by the council this year.

BROCKVILLE, ONT.—Petitions have been presented for the construction of several sewers.

VANCOUVER B.C.—T. N. Juhn, architect, has prepared plans for a hotel to be built at Arrow Lake M. Grady.

TORONTO JUNCTION, ONT.—The new factory about to be built by the Dodge Wood Split Pulley Co. will cost about \$40,000.

ASHBRIDGE, ONT.—It is proposed to submit a by-law to the ratepayers to raise \$2,000 by debentures for extension of waterworks.

LINDSAY, ONT.—The water commissioners have asked the council to submit a by-law to borrow \$4,000 for light and waterworks system.

SEBRINGVILLE, ONT.—T. Smith, township clerk, invites tenders up to 24th inst. for construction of drain in the township of Downie.

BRACEBRIDGE, ONT.—The tenders for power house were opened on 10th inst., but the result was not learned at time of going to press.

DUNDAS, ONT.—W. A. Edwards, architect, of Hamilton, has prepared plans for a large foundry building to be built on Victoria street.

ST. CATHARINES, ONT.—Tenders close at noon to-day (Wednesday) for construction of concrete sidewalk. Particulars from the city clerk.

ST. BONIFACE, MAN.—The question of building another bridge between this place and Winnipeg, across the Red river, is being advocated.

HEIDELBURG, ONT.—The council have decided to replace the bridge across the Nith river, known as the Risser bridge, with an iron structure.

OSHAWA, ONT.—The by law to raise an additional \$40,000 to establish waterworks and sewerage systems was defeated by the ratepayers last week.

CHATHAM, ONT.—James Carswell is preparing plans for new elevator at Tupperville for Capt. Stevens and for the remodelling of the Bank of Commerce.

MATTAWA, ONT.—The Blanche River Pulp & Paper Co. are said to have decided to build their pulp mill at LeCave Rapids, four miles west of this town.

MEAFORD, ONT.—By-laws to raise \$3,000 for extension of waterworks system, and \$3,500 to pay for lands for G.T.R. extension, will be submitted to the ratepayers on June 25th.

SMITH'S FALLS, ONT.—J. H. Moore, C.E., wants tenders by 22nd inst. for the improvement of Mud creek and its branches lying within the township of Marlboro.

WOODSTOCK, N.B.—W. F. Saunders, chairman building committee, invites tenders up to 21st inst for erection of brick and stone jail, from plans by H. H. Mott, architect, of St. John.

KINGSTON, ONT.—Frontenac coun-

ty council have decided to submit a by-law to the voters in October asking for \$20,000 with which to build a convocation hall on Queen's University grounds.

HINTONBURG, ONT.—E. L. Horwood, architect, of Ottawa, has completed plans for new fire hall for this place.—F. W. Mahon, grocer, will erect a brick store, corner Centre street and Richmond road.

SEAFORTH, ONT.—Tenders are asked by William Elliott, town clerk, up to June 24th, for construction of 14,000 feet of cement sidewalk, also for supply of weigh scales for the purpose of weighing stock.

FORT FRANCIS, ONT.—Hatch & Bachus, representing Chicago capitalists, are understood to be negotiating with the Ontario Government for a water power at this place, with a view to the erection of a pulp mill.

COLLINGWOOD, ONT.—The special committee appointed to report on the lighting of the town will recommend that the council submit a by-law to the electors to borrow \$12,000 for extending and improving the electric light and waterworks systems.

PETERBOROUGH, ONT.—The buildings of the American Cereal Co., on which tenders have just been taken, will include an elevator, oat meal mill, pea mill, barley mill and corn mill. The foundations will be stone and concrete and the superstructure brick.

THOROLD, ONT.—Tenders close on June 30th for purchase of \$6,000 electric light debentures and \$30,000 sidewalk and street improvement debentures. Address, Wm. Munro, chairman finance committee.—G. Ross, of Welland, has been commissioned to prepare plans and specifications for granolithic sidewalks and other street improvements.

SYDNEY, N.S.—Dr. Kendall, M.P., has under consideration the erection of a large office and store building.—It is understood that architects are preparing plans for the new Masonic temple, on the acceptance of which tenders will be invited.—A despatch from New York states that the Manhattan Construction Co. has sent a staff of engineers to St. Peters, C.B., to survey the proposed railway from the strait of Canso to Louisburg.

LONDON, ONT.—M. Grant, clerk of London township, invites tenders up to 20th inst. for concrete abutments for two bridges. Plans at office of F. B. Talbot, county building, this city.—The property owners on King street, between Wellington and Adelaide streets, will petition for an asphalt pavement.—The city engineer has been authorized to prepare plans for a one storey addition to the public library building.—Steps will be taken at once to repair the police station.—H. Matthews, architect, is calling for tenders for a house on King street for Miss Evans and he is preparing plans for alterations to residence in South London for Thos. Smallman.—H. C. McBride, architect, is calling for tenders for restoration of Molson's Bank, and for a residence on Dufferin avenue for Mrs. Ingram.

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TORONTO MONTREAL ST. JOHN HALIFAX

FREDERICTON, N. B. — Capt. Weatherbee, architect of the Militia Department, Ottawa, was in the city recently selecting a site for proposed rifle range. He will recommend to the Department that improvements be made to the barracks here.—The Commissioner of Public Works is calling for tenders for the construction of several bridges, including steel superstructure of Oak Bay bridge, Charlotte county.

HAMILTON, ONT. — George Mills, architect, is about to call for tenders for a brown stone and brick residence to be built at corner of MacNab and Hanna streets by James Wilson.—W. W. Laclance, architect, is understood to be preparing plans for an hotel building at Wyoming, Ont.—W. P. Witton has taken out a permit for a fever building at the city hospital, to cost \$4,200.—Alex. Mercer is about to build seven brick dwellings, corner Mary and Murray streets, cost \$7,000.

WINNIPEG, MAN.—Tenders are asked by the Public School Board up to Monday, 17th inst., for erection of school building on Nena street.—The city is about to undertake the construction of the following works: Asphalt pavements on William avenue, cost \$18,270; Bannatyne avenue, cost \$11,468; Market avenue, cost \$7,548; King street, cost \$5,406; Albert street, cost \$5,500; Princess street, cost \$10,910; sewer on Dufferin ave, cost \$6,750, and on Selkirk avenue, cost \$10,700; macadam pavement on Dagmar street, cost \$3,140.—H. S. Griffith, architect, wants tenders by 17th inst. for erection of business block on Main street for D. Lemon.—It is reported that Patrick Shea intends making extensive improvements to his brewery and will erect a brick addition. The interior alterations and equipment of the plant will be of the most modern description.—Tenders are invited up to 15th inst. for additions and alterations to St. Matthews church. Particulars from H. Gray, 279 Portage avenue.—Tenders are asked by the city up to June 20th for supply of 80,000 vitrified bricks for street paving.

OTTAWA, ONT.—G. M. Bayly, architect, wants tenders by 7th inst. from all trades for erection of building on Sparks street for His Worship Mayor Morris.—Charles Macnab, county clerk, invites tenders up to 18th inst. for a concrete culvert and construction of embankment and roadway, also for construction of timber trestle bridge over Cody's creek.—St. Patrick's Literary & Scientific Society will call for tenders within two weeks for a three storey brick building to include concert hall, gymnasium, bowling alley, etc., cost \$15,000.—William Rea, on behalf of the Public School Board, invites tenders up to noon of 17th inst. for additions and alterations to Creighton street school and for steam heating apparatus for Bolton street school. Plans of additions and alterations were prepared by G. M. Bayly, architect. The school board is also taking tenders for supply of blackboards.—The Depart-

ment of Railways and Canals invites tenders up to 17th inst. for construction of Soulanges canal, and until 18th inst. for dredging and sub-marine rock blasting at Point Tupper, Strait of Canso, N.S.—Building permits have been issued as follows: Michael O'Leary, brick veneered store and dwelling, Nicholas street west, cost \$500; Edward Clarke, solid brick dwelling, Frank street north, cost \$6,000; Wm. Radford, frame dwelling, stone foundation, McLeod street south, cost \$800; A. Anderson, brick veneered, stone foundation, row on Wellington street south, cost \$4,800. Miss Thistle, brick dwelling, Somerset street north, cost \$7,500. W. G. Bronson, stone and brick dwelling, Concession street west, cost \$13,000.—Tenders for heating apparatus for a public building at Kamloops, B.C., are invited by the Department of Public Works up to June 19th.

MONTREAL, QUE.—The sum of \$14,000 has been subscribed for the erection of a new French opera house on the site of the old Eldorado Theatre, corner Cadieux and St. Catherine sts.—It is expected that plans will soon be completed for Montreal's Amateur Athletic Assn's club house.—Representatives of New York capitalists have been in the city recently in connection with a project to supply the city with cheap power and water by means of a compressed air plant.—The Balmoral

Hotel and Theatre Co., Limited, has been formed, to take over the Balmoral hotel property, converting it into an hotel, theatre and store.—The city has given notice of its intention to construct a sewer on Division street, from end of existing sewer to Stadacona street.—It is probable that a by-law may be submitted to the ratepayers to raise \$3,000 for fire protection purposes, including new stations and apparatus.—Building permits have been issued as follows: Gault Bros. Co., five storey factory, Inspector and William streets, cost \$42,000. (A. Findley, architect); St. Joseph Fadrigue, two storey house, St. Martin street, cost \$1,650; O. Martineau & Sons, three storey house, Marie Ann and St. Denis streets, cost \$6,000 (J. B. Resther & Sons, architects); Canada Switch & Spring Co., two storey building, St. Patrick and St. Etienne streets, cost \$7,000, also a one storey building, St. Patrick and Coude sts., cost \$5,000. (T. Pringle & Sons, architects); J. Reindeau, three storey house, 158 Champlain street, cost \$3,000; J. S. Prince, one storey building, St. Catherine street, near theatre Francais, cost \$1,300. (J. O. Turgeon, architect); Boulter Silaerman, four storey building, St. Peter and St. Paul streets, cost \$20,000. (Hutchison & Wood, architects), Jos. Vennet, architect, is calling for tenders for altars and pulpit for St. Anne des Plaines church.

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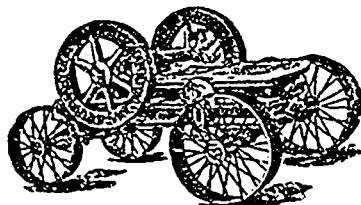
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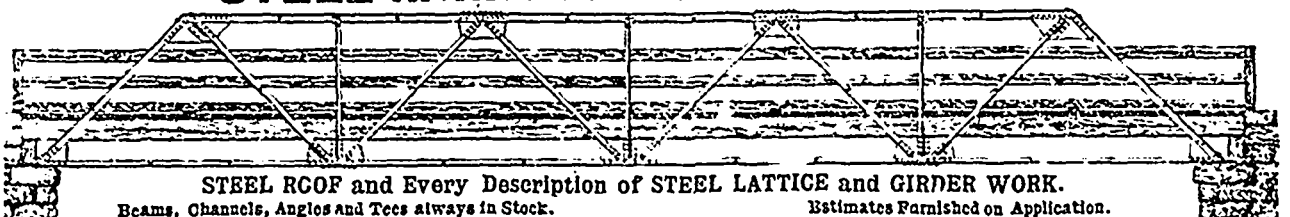


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BURFORD, QUE.—A by-law to raise funds to build a new town hall was carried here last week.

BERRIN, ONT.—By-laws have been passed in council to raise about \$10,000 by the issue of debentures.

PONSONBY, ONT.—The ratepayers of Union S.S. No. 8 have decided to build a brick school house.

HALIFAX, N.S.—The Board of Fire Commissioners are considering the purchase of an extension fire ladder.

SACKVILLE, N.B.—The directors of the Sackville Water & Sewerage Co. have decided to put in water-works.

NANAIMO, B.C.—A brick block is about to be built, to be occupied in part by the Canadian Bank of Commerce.

ST. JOHN, N.B.—James E. White will build an addition to his brick residence on Charlotte street.—A four storey business block will be erected on Canterbury street, adjoining the Vassie building. Engineers are laying out the site for the Intercolonial round house to be built in this city. A steam plant will be installed.

GUELPH, ONT.—W. F. Colwill, architect, has just taken tenders for erection of two residences.—At a meeting of the congregation of Norfolk street Methodist church, it was decided to proceed this summer with proposed improvements, to cost \$3,000.—W. F. Colwill is taking tenders up to 13th inst. for erection of hospital in Fergus for Dr. Groves. Plans for the improvements are being prepared by L. C. Wideman, architect.

QUEBEC, QUE.—The Jacques Cartier Water Power Co. have just commenced the erection of a large office building, pressed brick and stone.—The Metabetchouan Pulp Co. has just been incorporated, to build a pulp mill in the Lake St. John district. Charles A. Paquet and Jos. Samson, of this city, are interested.—The old Boisvert property, corner Peter and St. Paul streets, is being torn down, and on the site will be erected a building for the Hochelaga Bank.

DALHOUSIE, N.B. Capt. Godin will build a new residence.

PORT ARTHUR, ONT.—Tenders close at 4 p.m. to-day for laying granolithic walks.

BRANTFORD, ONT.—Plans for the new Alexandria church have been prepared and tenders will shortly be invited.

FORT WILLIAM.—By-laws will be submitted to the ratepayers to raise \$2,500 for fire protection and a heating plant.

KINGSTON, ONT.—H. P. Smith, architect, will take tenders up to 13th inst. for erection of brick presbytery and stone chancel and vestry at Erinsville.

SAULT STE. MARIE, ONT.—Tenders are now being invited for construction of sewerage system, from plans by Willis Chipman, C.E., Toronto. H. R. Halton, architect, is asking for tenders up to 12th inst. for erection of residence for H. A. Moore.

ST. THOMAS, ONT.—The St. Thomas Street Railway Co. have announced their willingness to extend their road to Port Stanley. This would necessitate the erection of a new power house.—N. R. Darrach, architect, has prepared plans for a new block to built at the corner of Talbot and Mary streets by J. Mickleborough. The contracts will not likely be let before the fall.—Elgin county council have decided in favor of building a bridge at the Muncey site, probable cost \$18,000.

TORONTO.—G. M. Miller & Co., architects, have extended the time for receiving tenders for the Canada Foundry Co.'s new shops to June 15th.—The plans of the Barrie hospital are about ready at the office of Gouinlock & Baker, architects. The contract will shortly be let in same office for addition to the Temple building.—A. W. Holmes has been appointed architect for the new \$8,000 school on

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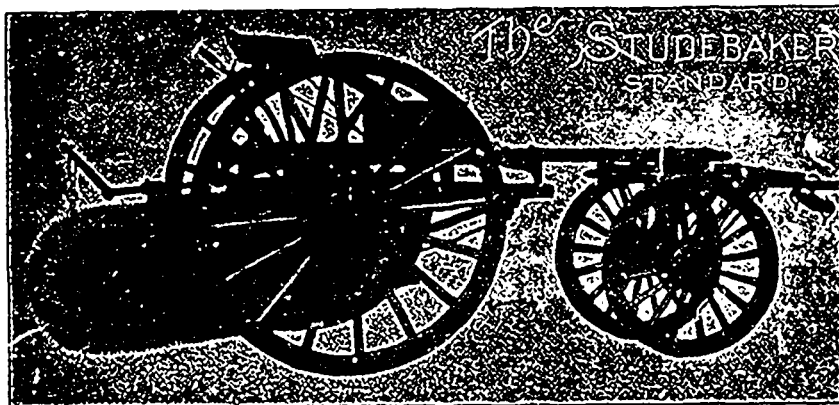
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Geo. Heaman, Mfr., London, Ont.

Close avenue and the \$3,000 addition to the Sacred Heart School for the Separate School Board.—Four plans for a suitable memorial to Queen Victoria were submitted to the committee at a meeting held last week. One of these was that the memorial take the form of an art gallery and museum.—Tenders close noon to-day (Wednesday), at the city hall, for the supply of broken stone for macadam and concrete.—T. Lee is putting in the foundation of seven houses and a store to be built at the corner of Gerrard and Sumach streets.—The Industrial Exhibition Board have passed a resolution that the city council be requested to proceed at once with the erection of a dairy building, at a cost of \$15,000.—The Chancellor of the University of Toronto has expressed the hope that steps will be taken at an early date to erect a building for women students in connection with the University.—The city engineer has recommended the construction of the following works: brick track allowance pavement on Buxferin street, King to Queen, cost \$4,755; cedar block pavement on Dundas street, north of Bloor, cost \$11,920, and brick track allowance pavement on same section, cost \$15,350; macadam roadways on Powell street, Dale to Maple avenue, cost \$1,190, and on Terauley street, Albert to College, cost \$7,420; concrete sidewalks on Isabella street, Yonge to Church streets, \$1,021; Spadina Crescent, west side, \$704; Czar street, north side, St. Thomas street to a point 178 feet west, \$340; Gwyne ave, \$1,858; South drive, south Dowling avenue, west side, King to Queen streets, \$2,065; Bedford road, west side, Lowther to Bernard avenues, \$457; Bellevue avenue, east side, \$937.—Building permits have been granted as follows: Geo. Gouder-

ham, three buildings on Prince Arthur avenue, near Huron street, cost \$14,000; Confederation Life Association, alterations to Tremont House, cost \$7,600; Benjamin Brick, three pair dwellings on Broadview avenue, near Paul street, cost \$6,000; Paul Von Szeliski, dwelling, Indian road, cost \$2,500; Robert McGill, residence on Tyndall avenue, near King street, cost \$4,900; Frank McMahon, brick building on Brunswick avenue, cost \$3,000; Walker Parker Company, alterations and additions to factory Wellington and Emily streets, cost \$10,000; Charles Parker, residence on Bernard avenue, near Avenue road, cost \$3,000; Brechen Bread Company, factory and stable at Avenue road and Pears avenue, cost \$12,000.

000.—Whyte's flour mill at Galetta, Ont., totally destroyed, loss \$15,000.—Peat mill at Galt, Ont., owned by J. S. Hogg & Co.—Business block at Perth, Ont., owned by the Henderson estate, damaged to extent of \$14,000.—Hardware store of Gross & Granger adjoining the Queen's hotel in Montreal; heavy loss.

CONTRACTS AWARDED.

SOREL, QUE.—The contract for erection of extensive docks here has been let to Poupore & Malone, of Ottawa.

SHERBROOKE, QUE.—A steam road roller has been purchased from the Waterous Co., Brantford, for \$3,450 delivered.

PARRY SOUND, ONT.—The contract for building a branch railway from this town connecting the Can Atlantic Railway has been let.

WINNIPEG, MAN.—The Canadian Sewer Pipe Co. have been awarded the contract for supply of sewer pipe. The contract for meters has been divided between the Hersey Mfg. Co. and the National Meter Co.

FIRES.

Saw and planing mills of James Brown, at Acton, Ont., loss, \$6,000.—Cameron's furniture store at Rowland Man., loss \$1,500.—Planing mill at Lion's Head, Ont., owned by W. Vandusen, of Tara, no insurance.—Building and plant of the Progress Publishing Co. at St. John, N.B., loss \$5,-



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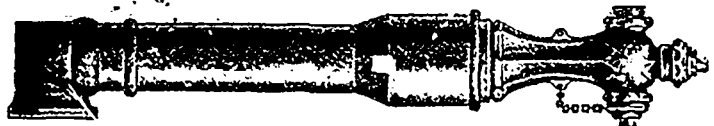
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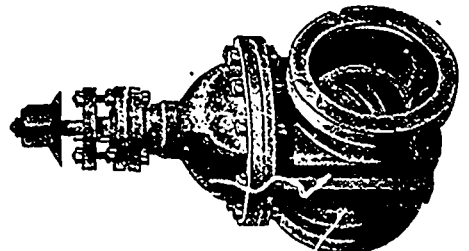


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MORDEN, MAN.—Building F. for F. C. Heckels: Black & Finke, contractors.

BLENNHEIM, ONT. The tender of the Hamilton Bridge Co. has been accepted for erection of Boulton bridge.

GUELPH, ONT.—The contract for a steel bridge over the Irvin river at Salem has been let by the county council to the Dominion Bridge Co., Geo. C. Bulmer, of Elmira, securing the masonry contract.

ST. JOHN, N.B.—The contract for heating the new school in Carleton has been given to J. E. Fitzgerald, at \$3,070, and that for plumbing to P. Campbell & Co., at \$2,183.—Building for M. Farrell: George McArthur, contractor.

PICTOU, N.S.—The tender of McDonald & Fraser has been accepted for connecting waterworks wells, price \$2,315. T. A. McLean & Sons have been given the contract for foundation standpipe, at \$3,495, and for pumping station at \$5,490.

HULL, QUE.—New City hall: Fortin & Sauve, successful tenderers, at \$23,321.15. Other tenderers were: Jos. Bourque, \$27,500, without heating apparatus; Alderman Black, \$29,185.50; Theophile Viau, \$31,900; Chas. Lemoine, \$22,540. The plans were prepared by Chas. Brodeux.

TORONTO, ONT.—F. F. Saunders, architect, has let contracts as follows for factory on Wellington street for Walker-Parker Co., Limited: Masonry, Self Bros.; carpentry, Brown & Cooper; structural steel, Dominion Bridge Co.; elevator, Turnbull & Russell Co.; fire escapes and window guards, McGregor & McIntyre.

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TORONTO JUNCTION, ONT.—J. A. Ellis, architect, has let contracts as follows for new public school: Masonry, Wm. Joy, \$2,440; carpentry, J. W. Butchart, \$3,400; plastering, Gander & Son, \$500; painting, J. W. Burridge, \$299; plumbing, Paterson & Co., \$693; sheet metal, A. Matthews, \$192; furnace, Pease Furnace Co., \$550.

HALIFAX, N.S.—The Government of Nova Scotia have awarded the contract for new building at the N. S. Hospital, Mount Hope, Dartmouth, to John MacInnes & Son. of Herbert E. Gates, architect, has awarded the contract for erection of hot-house on Fenwick street, for Hon. Robert Boak, to Freeman Bros.

ST. THOMAS, ONT.—The Public Works Committees of the counties of Elgin and Middlesex opened tenders last week for steel superstructure of two spans and the concrete work for the Graham road bridge. The tenders were: steel work, Hamilton Bridge Co., \$1,192; Hunter Bridge & Boiler Co., \$1,500; Canada Supply Co., \$1,287. Concrete abutments—Geo. A.

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Ponsford, \$1,148; Ponsford Bros., \$1,300; Edwin C. Lewis, \$1,360. The tenders of the Hamilton Bridge and Geo. A. Ponsford were accepted. The Elgin Public Improvements Committee opened the tenders for the construction of the Catfish bridge. The tenders for the steel work were Hamilton Bridge Co., \$308, (accepted); Hunter Bridge Co., \$490; Canada Supply Co., \$450. Geo. A. Ponsford was awarded the contract for the concrete work at \$899. Ponsford Bros. tendered at \$960.—The city council opened tenders as follows for construction of Wilson bridge: Marsden Bros., London, 19 and three quarter cents per square foot for floor; a total of \$3,107. Concrete work, \$2,729; extra concrete, if required, \$6.40 per cubic yard. Silica Barytic Co., Ingersoll, 16 cents per square foot for floor; a total of \$2,517. Ponsford Bros., \$2,731 for abutments and pedestals; extra work, \$6; \$31 for concrete floor. The contract for the work has been let to Ponsford Bros.

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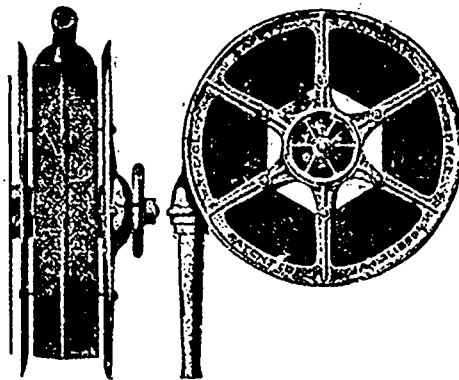
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A MUNICIPAL ASPHALT PLANT.

The following article on Winnipeg's municipal asphalt plant appears in the Engineering News of New York:

There has been not a little agitation in some cities, of late, for the construction of a municipal asphalt plant. In Winnipeg, Man., such a plant has been owned and operated by the city for about two years. Late in 1900 the city of Detroit awarded a contract for the construction of the second municipal asphalt plant in North America, and the first one in the United States, to Hetherington & Berner, of Indianapolis, Ind.

The first asphalt pavement in Winnipeg was laid by contract about four years ago. Before the beginning of paving work in 1899, the city bought the stationary asphalt plant erected there by one of the contractors for work previously done. The cost was about \$12,000, but this included a five ton steam road roller. The old roller proved to be too light for finishing the asphalt, so a ten-ton roller has been bought. The asphalt plant was moved to a new site, where additions and improvements were made. It has been used since for the work of 1899 and 1900. It appears that the chief difficulty encountered has been the securing of asphalt. It has been necessary to use several kinds, which, in turn, has called for much laboratory and experimental work.

The first asphalt used came from Ventura, Cal. The next was also a California asphalt, bought of J. A. Dubbs, of Pittsburg, Pa., and named by him "Obispo." A portion of the latter was crude, the maltha flux being added in Winnipeg, and a part of it was refined. After this, more Ventura and some Alcatraz asphalt was used. During 1900, Dundonald Trinidad asphalt was used, obtained from

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The plant includes two asphalt melting tanks, a sand drum, cold and hot sand elevators, mill-stone for grinding limestone, a storage tank for hot asphalt, storage bins for ground limestone and hot sand, a mixer of 7 cu. ft. capacity, a 60 h.p. boiler, 30 h.p. engine, air compressor and receiver and various accessories.

The regular force employed to operate the plant numbers an average of twelve men as follows: One superintendent, one engineer, two firemen, two asphalt melters, one asphalt dipper and mixer, one measurer of sand and carbonate of lime, one record keeper, one man for odd jobs, and an average of two sand and limestone shovelers. A daily expenditure of \$40 covers the cost of operating the plant for a day of nine hours, and for producing material sufficient for 1,000 square yards of 2-inch topping, or 1,500 square yards of 1 and one half inch binder.

The cost of raw materials in 1900 was as follows: Portland cement in sacks, \$3.65 per bbl., asphalt, \$36 per short ton; sand, \$1.35, and broken stone, \$1.10 per cubic yard, both on cars; labor, 17 and a half to and teams, 40 cents per hour. The plant is located close by a railway line.

The net cost of 45,843 square yards of asphalt paving laid in 1899 was \$2, and the cost of 22,064 square yards laid in 1900 was \$2.064 per yard. This was for a 4 and a half inch Portland cement foundation, a 1 and a half inch binder and 2-inch wearing surface.

These unit figures of cost include only the expenditures for the material and labor used in paving, besides which there were charges for maintenance of the asphalt plant and for tools.

Comparable with that for similar work under contract, such as interest, depreciation, taxes, insurance, land

In addition, several other items should be taken into account in arriving at the figure of total cost content, and both contractors' maintenance guarantee and profits.

It appears that the practice at Winnipeg has been to separate the asphalt accounts into capital, maintenance and tools, the respective items for 1899-1900 being as follows:

Asphalt accounts, Winnipeg, Man. - Expenditure on account of:		
1899-Capital.....	\$12,322	
Tools.....	262	
Maintenance.....	568	\$13,152
1900-Capital.....	*733	
Tools.....	121	
Maintenance.....	**1,048	1,902
		\$15,054

*Chiefly for sand sheds and petroleum residuum tanks.

**Principally for replacing material which was defective when the city bought the plant. It is thought that such heavy items under capital and maintenance as were incurred in 1900 will not be required again, the plant now being in good shape for its present capacity.

(To be continued next week.)

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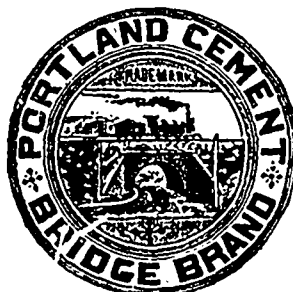
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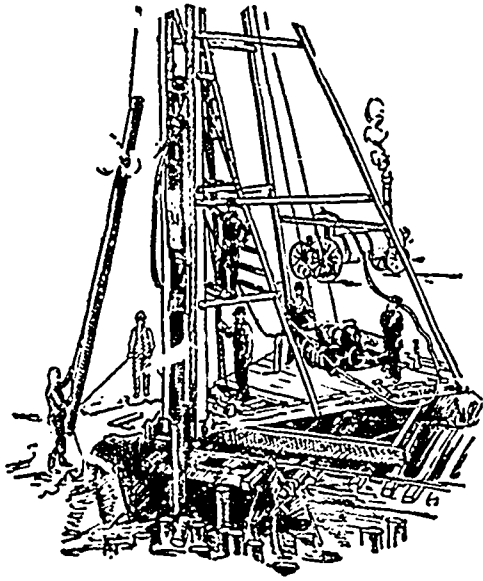
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