

Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

- Coloured covers/
Couverture de couleur
- Covers damaged/
Couverture endommagée
- Covers restored and/or laminated/
Couverture restaurée et/ou pelliculée
- Cover title missing/
Le titre de couverture manque
- Coloured maps/
Cartes géographiques en couleur
- Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)
- Coloured plates and/or illustrations/
Planches et/ou illustrations en couleur
- Bound with other material/
Relié avec d'autres documents
- Tight binding may cause shadows or distortion
along interior margin/
La reliure serrée peut causer de l'ombre ou de la
distorsion le long de la marge intérieure
- Blank leaves added during restoration may appear
within the text. Whenever possible, these have
been omitted from filming/
Il se peut que certaines pages blanches ajoutées
lors d'une restauration apparaissent dans le texte,
mais, lorsque cela était possible, ces pages n'ont
pas été filmées.
- Additional comments:/
Commentaires supplémentaires:

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

- Coloured pages/
Pages de couleur
- Pages damaged/
Pages endommagées
- Pages restored and/or laminated/
Pages restaurées et/ou pelliculées
- Pages discoloured, stained or foxed/
Pages décolorées, tachetées ou piquées
- Pages detached/
Pages détachées
- Showthrough/
Transparence
- Quality of print varies/
Qualité inégale de l'impression
- Continuous pagination/
Pagination continue
- Includes index(es)/
Comprend un (des) index
- Title on header taken from: /
Le titre de l'en-tête provient:
- Title page of issue/
Page de titre de la livraison
- Caption of issue/
Titre de départ de la livraison
- Masthead/
Générique (périodiques) de la livraison

This item is filmed at the reduction ratio checked below/
Ce document est filmé au taux de réduction indiqué ci-dessous.

10X	12X	14X	16X	18X	20X	22X	24X	26X	28X	30X	32X
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

EVERY

PUBLIC WORKS • TENDERS •
ADVANCE INFORMATION •
AND MUNICIPAL PROGRESS

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.

DECEMBER 13, 1899

No. 46.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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

Subscription price of "Canadian Architect and Builder" (including "Canadian Contract Record"), \$2 per annum, payable in advance.

G. H. MORTIMER PUBLISHING COMPANY
of Toronto, Limited,
Publishers.

CONFEDERATION LIFE BUILDING, TORONTO.
Telephone 2362.

Branch Office:
New York Life Insurance Building, Montreal.
Bell Telephone 2599.

Advertising Rates on application.

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

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.

TENDERS WANTED

Tenders wanted by JANUARY 1st, for 3 Acres Freestone Quarry Land, near Glenwilliam, Ont. On hand, 250 feet Dressed Curbing, Dimension Heads, Sills, Bridge Blocks, Derrick, Blacksmith Shop, Tools.

WM. IRVING,
Limehouse, Ont.



TRENT CANAL

TRENTON AND FRANKFORD DIVISION

NOTICE TO CONTRACTORS

Sealed tenders addressed to the undersigned, and endorsed "Tender for Trent Canal," will be received at this office until noon on SATURDAY, 30th DECEMBER, 1899, for the construction of about nine miles of canal between Trenton and Frankford.

Plans, specifications of the work and forms of contract can be seen at the office of the Chief Engineer of the Department of Railways and Canals, at Ottawa, or at the Superintending Engineer's Office, Peterboro', where forms of tender can be obtained on and after Thursday, November 30th, 1899.

In the case of firms there must be attached the actual signatures of the full name, the nature of the occupation and place of residence of each member of the same, and, further, an accepted bank cheque for the sum of \$25,000 must accompany the tender; this accepted cheque must be endorsed over to the Minister of Railways and Canals, and will be forfeited if the party tendering declines entering into contract for work at the rates and terms stated in the offer submitted. The accepted cheque thus sent in will be returned to the respective parties where tenders are not accepted. The lowest or any tender not necessarily accepted.

By order,
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, 24th November, 1899.

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



NOTICE TO CONTRACTORS

TENDERS FOR FLANGED STEEL PIPE

Tenders will be received, by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on MONDAY, THE 18th INST., for the supply of 212 feet of

16-inch Flanged Steel Pipe,

to be delivered at the Queen Street Bridge, Don River.

Contents of envelopes containing tenders must be plainly marked on the outside.

Conditions, specifications and plans may be seen and forms of tender obtained at the office of the City Engineer on and after Monday, December 11th, 1899.

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.

JOHN SHAW (Mayor),
Chairman Board of Control.

City Hall, Toronto, Dec. 6th, 1899.



NOTICE TO CONTRACTORS

Tenders for Pavements

Tenders will be received, by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on THURSDAY, THE 26th INSTANT, for the construction of

ASPHALT PAVEMENTS

On Palmerston Avenue, from Arthur Street to College Street.

On Bernard Avenue, from St. George Street to Bedford Road.

On Brunswick Avenue, from Ulster Street to Sussex Street.

Contents of envelopes containing tenders must be plainly marked on the outside.

Conditions, plans and specifications may be seen and forms of tender obtained at the office of the City Engineer on and after Monday, December 16th, 1899.

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.

JOHN SHAW (Mayor),
Chairman Board of Control.

City Hall, Toronto, December 11th, 1899.

J. O. R. Frappier and J. Guilbault have registered proprietors of the Globe Electric Plumbing Co., Montreal.

Kent & Turcote have been appointed curators of the estate of Monpetit & Co., planing mill, Coteau Station, Que.

SEALED TENDERS

Sealed tenders, addressed to the undersigned, will be received until noon of WEDNESDAY, THE 20th INST., for the following, viz:

1st. The Furnishing of all Cast Iron Water Pipe, 30-inch and 20-inch diameter, required between Sherman Avenue and Beach.

2nd. For the Enlargement of the Filtering Basins and Laying of Conduit.

Specifications, plans and all necessary information can be obtained at the office of the Manager and Chief Engineer of Waterworks, City Hall.

The lowest or any tender not necessarily accepted.

THOS. BEASLEY, City Clerk.

City Hall, Hamilton, Dec. 4th, 1899.

CONTRACTS OPEN.

HENSALL, ONT.—Henry Walsh intends erecting a residence.

GILLMORE'S MILLS, N. B.—The bridge here is to be repaired.

UDNEY, ONT.—A new Methodist church will be built here.

YARMOUTH, N. S.—William Churchill purposes erecting a building.

WALTON, ONT.—The Order of United Workmen intend erecting a new hall.

HOLLY, ONT.—It is proposed to build a new Methodist church in this village.

SHERBROOKE, QUE.—The city will borrow \$50,000 to meet current expenses.

DUNDAS, ONT.—Plans have been prepared for improvements to the town hall.

BROOKSDALE, ONT.—Adam Green purposes erecting a residence next spring.

KINTORE, ONT.—R. Thornton is preparing to build a brick house next summer.

LEVIS, QUE.—Work is to start immediately on the new Intercolonial station here.

PARRSBORO, N. S.—D. A. Huntley, of this place, intends building a saw mill this winter.

SINTALUTA, MAN.—It is the intention of Mr. Knowles to erect a large building next spring.

CHIPPewa, ONT.—It is expected that work will commence next spring on new concert hall.

MITCHELL, ONT.—Mayor Burdett has purchased property on which he will build two houses.

EGLINTON, ONT.—The Methodist congregation have decided to improve their church, at cost of \$1,200.

NEWMARKET, ONT.—The new council will likely take up the question of extending the electric light plant.

HINTONBURG, ONT.—J. Oliver & Son are excavating for the foundation of their proposed furniture factory.

WINDSOR, N. S.—Local capitalists have subscribed \$100,000 towards the proposed calcium carbide manufactory.

ARNPRIOR, ONT.—A. T. Budd has

purchased the Allan block and purposes making extensive improvements.

SHUBENACADIE, N.S.—It is probable that a joint stock company will be formed here to build a large harness factory.

FONTHILL, ONT.—Henry Diffin, architect, of Pelham Centre, is preparing plans for construction of rink in this village.

BLYTH, ONT.—The ratepayers will shortly be asked to vote on the question of constructing granolithic sidewalks.

NELSON, B. C.—J. K. Strachan, city clerk, invites offers up to December 26th for purchase of \$15,000 of debentures.

SOUTH MOUNTAIN, ONT.—Edward Scott has purchased a site near this village and purposes building a cheese factory.

BRACEBRIDGE, ONT.—It is likely that a by-law will be submitted to the ratepayers to raise funds for an electric light plant.

CLINTON, ONT.—The two Methodist churches in this town will be amalgamated for the purpose of erecting a large new edifice.

DAVENPORT, ONT.—Plans are understood to be in course of preparation for alterations and additions to Methodist church.

DARTMOUTH, N.S.—The question of lighting the streets is under consideration by the council, the present contract expiring in June.

PENBROKE, ONT.—The vote on the by-law to borrow \$30,000 to install a municipal electric light plant takes place on January 1st.

TOTTENHAM, ONT.—A by-law was carried on Monday last giving a loan to Mr. Steele, of Montreal, to build a furniture factory here.

TORONTO JUNCTION, ONT.—It is reported that the C.P.R. purpose erecting their car shops at this place.—Mr. Davey is about to build on Quebec avenue.

BERLIN, ONT.—At a meeting of the county council of North Waterloo held last week a report was submitted urging the council to repair the Hespeler bridge.

KEMPTVILLE, ONT.—A by-law to provide for the erection of a bridge over the south branch of the Rideau river will be voted on by the ratepayers on the 15th inst.

GANANOQUE, ONT.—Willis Chipman, C.E., of Toronto, has submitted to the council plans for proposed waterworks system. He estimates the cost at \$120,000.

FREDERICTON, N.B.—It is understood that a company has been formed to manufacture underwear. They will either erect a new building or remodel an existing one.

ROSSLAND, B. C.—Wm. McQueen, city clerk, invites bids up to 5 p.m. on Tuesday, 26th inst., for the purchase of \$20,000 debentures, bearing interest at five per cent.

EDMONTON, N.W.T.—The question of constructing a waterworks system is still being considered by the council.—Walter & Humberstone have purchased a site on which to build a saw mill.

HULL, QUE.—D'Amour & Charlebois intend to enlarge their planing mill shortly by a two-storey addition, 100 x 30 feet. They will place therein new rip and band saws and machinery for box-making.

WINDSOR MILLS, QUE.—The by-law to raise \$25,000 for a system of waterworks was carried by the ratepayers on December 2nd. The next step will be in the direction of securing electric lighting.

MONCTON, N.B.—A. & M. McElwee, of J. S. Wav & Co., brokers, New York, has purchased the Salisbury & Harvey Railway. It is his purpose to extend the line to Moncton, crossing the Petticodiac river.

MARSHALLTOWN, N.S.—Tenders close on 20th inst. for construction of almshouse and insane asylum at this place, to be completed by August 1st, 1900. Particulars from Wm. B. Stewart, municipal clerk.

PORT ARTHUR, ONT.—Representatives of the city are said to have reached an agreement with MacKenzie & Mann whereby the terminals of the Ontario & Rainy River Railway will be built at this place.

ROBSON, B. C.—Oscar England, C.E., with a large staff of engineers, is surveying a line from Rock Creek to Keremles and Princeton, and it is expected that early next spring construction will be commenced.

GREENWOOD, B. C.—The electric light and tramway by-laws were carried last week.—The Jencks Machine Co., of Sherbrooke, Que., intend erecting a branch establishment in this province, probably at this place.

KAMLOOPS, B. C.—Work has commenced on the new Cecil hotel, the plans for which were prepared by J. G. Tarks, architect, of Victoria. The foundation and first storey will be built of stone and the upper storeys of frame.

VERNON, B. C.—Influential citizens intend to ask the council to submit a by-law to raise \$10,000 for erection of city hall. The ratepayers will shortly be asked to raise another \$7,000 to complete the waterworks system.

THREE RIVERS, QUE.—L. T. Desaulniers, secretary treasurer of the corporation, invites bids up to Monday, 18th inst., for purchase of \$19,000 school debentures, payable in thirty-five years, with interest at four per cent.

PETERBORO', ONT.—The Deputy Minister of Railways and Canals recently inspected the proposed sites for the new bridge over Chemung Lake. It is expected that plans will be prepared and tenders invited at an early date.

ST. JOHN, N. B.—The director of municipal works has been instructed to call for tenders for 1,000 feet of fire hose.—The question of the purchase of a new hook and ladder truck for fire purposes is under consideration by the council.

WOODSTOCK, ONT.—The question of rebuilding the Bay street bridge will be taken up at an early council meeting.—The by-law to raise \$7,000 by debentures has been passed in council and the clerk instructed to offer them for sale.

INGERSOLL, ONT.—A by-law has been introduced in council to provide for issuing debentures for \$4,000 for permanent improvements.—A vote may be taken on January 1st on the question of municipal control of the waterworks and electric light plant.

LINDSAY, ONT.—Victoria county council have instructed a committee to report on the advisability of repairing or rebuilding the bridge over the Grass river, on the boundary line between the townships of Eldon and Cardon, also to report on the question of building a House of Refuge.

ST. GEORGE, N.B.—The Pennfield & St. George Telephone Co. held their first meeting at Beaver Harbor on the 7th inst., at which it was decided to build the line to Pennfield Station this winter and the extension to Lepreaux and Bay Bay in the spring. S. L. Dakin is president of the company.

MEAFORD, ONT.—On January 12th the ratepayers will vote on a by-law to grant a bonus for the erection of an elevator. The promoters of the elevator are the Botsford, Jenks Elevator Co., of Port Huron. On same day a by-law will be submitted to grant a bonus of \$31,000 to the G.T.R. for extension of railway to the water's edge.

WELLAND, ONT.—A by-law has been passed to provide for raising \$760 by de-

betures for the construction of a sewer on Hellems ave.—The Mayor has been authorized to dispose of debentures.—The Mayor is of the opinion that the Market Committee should let the contract for the town hall as soon as possible, so that work could be commenced early in the spring.

WEYMOUTH BRIDGE, N.S.—The Sissiboo Pulp & Paper Co., Limited, are now getting out timber for a dam, and are also making plans for machinery, etc., for the new pulp mill and arranging for survey of the proposed electric railway. It is not expected, however, that the work of construction will be commenced before the first of March next.

COLLINGWOOD, ONT.—At last council meeting the committee on gaol improvements reported that plans had been prepared and tenders invited for gaoler's residence and changing heating apparatus, but that the tenders were so far in excess of the appropriation that no action could be taken.

BOBCAYGEON, ONT.—On January 1st by-laws will be voted on by the ratepayers of this town and of the townships of Harvey and Verulam to grant bonuses of \$11,000, \$3,000 and \$14,000 respectively to the Lindsay, Bobcaygeon and Pontypool Railway Co., the funds to be raised by the issue of debentures. C. E. Stewart is clerk of this town.

QUEBEC, QUE.—At the forthcoming session of the Legislature permission will be asked to raise \$40,000 for a filter for the waterworks system. It is probable that leave will be asked also to borrow \$50,000 for the construction of additional drainage in Saint Sauveur, and to lay asphalt on Grand Allee.

WINNIPEG, MAN.—The city clerk is taking tenders this week on construction of sewer on Maryland street, from Preston avenue to Broadway.—The Canadian Pacific Railway Co purpose constructing a railway from Morden to Miami and Carman, and another from Harney and Souris to Boissevain and Ninga, in this province.

MIDLAND, ONT.—It is reported that Chew Bros. and Cameron & Playfair will each build another saw mill.—It is understood that a number of houses will be erected here next spring.—Geo. West, of Chatham, representing the American Pulp Co., was in town recently in connection with the possible location of a pulp mill at this place.

BRANTFORD, ONT.—The manager of the G. T. R. has informed the council that he will shortly submit plans for the diversion of the main line through the city, with a view to the completion of the work next year.—The city council has given notice of its intention to construct a sewer on portions of Clarence and Elgin streets, at cost of \$5,840.

LEAMINGTON, ONT.—Newton, Haggart & Co., of Detroit, are considering the establishment of a branch of their factory here.—Mr. Maycock, architect, has prepared plans for a block of buildings to be erected on McGau street by McQueen Bros. Building will have frontage of 80 feet, with stores on ground floor and lodge rooms or opera house above.

REVELSTOKE, B. C.—The Dominion Government has offered to erect a drill hall, 50 x 100 feet, cost \$2,500, if granted free site.—J. J. Roy, Dominion Government engineer, estimates that it will cost \$30,000 to put the Columbia river in good condition.—A company has been formed to build a skating rink, 150 x 60 feet, cost about \$3,000. W. M. Lawrence is one of the directors.

FORT WILLIAM, ONT.—Manion & Co. will build a large addition to the St. Louis hotel next spring, for which plans are now being prepared.—The Mattawan Iron Mining Co. have made a proposition to the council to erect a copper refinery and

blast furnace at this place, the blast furnace alone to cost \$150,000. A by-law granting certain concessions to the company will be submitted to the ratepayers in January.

BRIDGEBURG, ONT.—J. F. Gross, of Welland, has reported on a waterworks system for this village, recommending a pumping station at the foot of Jarvis street, to be operated by a gas and a gasoline engine, a line of pipe to be laid from the pump house to the corner of Jarvis and Gwoski street, where a stand pipe will be erected. The total cost of the system, including mains throughout the village, is placed at \$26,000, and at next meeting of council a by-law to raise this sum by debentures will be submitted.

VICTORIA, B.C.—The Department of Public Works at Ottawa is calling for tenders for construction of elevator in Customs House here.—Langley & Martin will apply to the provincial legislature for power to build a tram line from Athin to Discovery.—Wilson & Senkler will apply for incorporation of a company to build a railway from Kitimat Arm to Hazelton and Yellow Head Pass.—The residents of Victoria West have asked for additional fire protection, including new fire hall and chemical engine.—The Bell Telephone Co. intend to replace the net work of wires in the city with cables.

SARNIA, ONT.—On January 1st the ratepayers will vote on a by-law to raise \$25,000 for the construction of a trunk sewer on Devine street, from Mitton street to the river. Plans for same have been prepared by J. H. Jones, O.L.S.—The stock for the conversion of the street railway into an electric system is being rapidly taken up, and the carrying out of the work is now assured.—By-laws to raise \$7,000 for waterworks extension and \$2,500 for construction of drain in fourth ward will be voted on by the ratepayers on January 1st.

SYDNEY, C.B.—The T. Eaton Co., of Toronto, have bonded a block of land on Prince street and will likely erect a departmental store next year.—Excavating for the Hanington block has been finished.—Jas. P. Conway has in course of construction a summer hotel at Sydney Forks, four miles from this place.—It is announced that a syndicate has secured an option on mining property at Sydney Mines, with a view to development, and that engineers are surveying the sites for coke ovens. The project, if carried out, will involve the expenditure of several million dollars.

CORNWALL, ONT.—The Dominion government has approved of the plans submitted for protection to the piers of the Ottawa & New York Railway bridge over the St. Lawrence river at this place. It is proposed to rip-rap the pier nearest the island with heavy stone blocks, piling up sufficient of them to protect the concrete from ice action. To protect the pier near the Cornwall canal an annular steel caisson will be built and sunk around the present crib several feet below the bottom of the river. This will be filled with concrete. The work will involve a large expenditure.

BROCKVILLE, ONT.—The committee appointed to report on the question of installing a municipal electric light plant estimate that a suitable plant can be installed at a cost of \$30,000. This would include two dynamos, 68 enclosed arc lamps, 121 incandescent lamps, marble switchboard, line wire, poles, etc., cost \$17,000, and engines and boilers, cost \$13,000. The committee, composed of P. B. MacNamara, F. G. McCready and J. A. Derbyshire, have been instructed to make further investigations and report.

MONTREAL, QUE.—The Buffalo syndicate which has completed arrangements with the Harbor Commissioners to erect

elevators in this city purpose building a number of steel steamers and consorts, for which contracts will be awarded immediately.—The city surveyor has submitted an estimate of the appropriations required by the Road Department in the year 1900. He shows that there will be required \$381,000 for road improvements, including 271,312 tons of macadam and 150,568 tons of rough stone. He asks \$110,000 for wooden sidewalks, \$15,000 for permanent pavement repairs, \$8,000 for sewer repairs, \$12,000 for inundation, and \$11,725 for flag-stone crossings.

VANCOUVER, B.C.—R. H. Bissett, of the Mining Exchange, is about to build a one-storey saloon 120 feet long, corner Hastings and Seymour streets.—It is the intention of E. H. Heaps & Co. to erect a new saw mill 80 x 50 feet, equipped with modern machinery.—The plans of the proposed septic tank system for this city have been received from England.—Thos. Tompkins, contractor, contemplates the erection of a sanitarium and large bottling works at Albert Canyon. It is understood that plans have been prepared.—A new shingle mill is being erected near Harrison by James Bros.—The plans for the building to be built by McLellan & McFeely have been approved by the city engineer.—It is understood that an American firm is negotiating for a site in the east end on which to build a saw mill.

TORONTO, ONT.—J. Davis, 70 Bay street, wants tenders for alterations to building, including brick, carpenter, tin-smithing, plumbing and felt roofing work.—Negotiations are said to be nearing completion for the location in this city of a large organ manufacturing concern. The site on which the factory will be built is a lot in the west end owned by the city.—R. J. Edwards & Wagner, architects, invite tenders up to Thursday, 14th inst., for removal of debris from factory premises at 122 Adelaide street west.—The Ontario Summer Hotels Company, Limited, has been organized in this city, for the purpose of building a number of summer hotels in Muskoka. The provisional directors include J. J. Foy, Q.C., Ald. Hallam, Geo. P. Magann and Andrew Nelson, and the secretary is Frederick Smily. The architect of the company, Ald. A. R. Denison, has prepared plans for three of the hotels, which it is expected will be ready for occupation next summer. The company has a capital of \$1,000,000.—F. S. Evans, manager of the National Cycle & Automobile Co., states that no decision has as yet been reached regarding the location of their permanent factory.

HAMILTON, ONT.—It is stated that tenders for harbor improvements at the Beach will shortly be advertised for.—A meeting of the directors of the Brant Hotel Company is being held as we go to press, to consider matters in connection with the proposed hotel at Burlington. The building, of which the foundation has been laid, will be three storeys, 200 feet

frontage, with 150 foot wing, and containing 150 rooms, to cost \$50,000. John Patterson, of this city, and J. A. Kammerer, of Toronto, are directors.—The Cataract Power Co. have submitted another offer to the city for operating the sewage interception works by electricity. The offer states that it would be necessary to install additional machinery to the value of \$7,000.—Scott, Lees, Hobson & Stephens are advertising for a factory site, to contain 30,000 square feet, said to be for a new industry to be established in this city.—It is said to be the intention of the Cataract Power Co. to duplicate their power transmission line from the power house near DeCew Falls to this city.—The Board of Works will recommend that action be taken to compel the Grand Trunk Railway Co. to erect a new bridge over its main line through Burlington Heights.—Building permits have been granted as below: E. B. Paterson, brick addition to Cataract Power Co.'s transformer station on Victoria avenue, cost \$8,000; Thos. Allen, brick dwelling on Augusta street, cost \$1,500; Peter Patterson, brick dwelling on Alanson street, cost \$1,000.—It is rumored that the National Cycle & Automobile Co., of which F. S. Evans is manager, has decided to locate in this city, and that, pending the erection of a factory on Emerald street, temporary quarters have been taken in the old Wanzer building.—There is a possibility that the McLaughlin Carriage Co., of Oshawa, will locate in this city.

OTTAWA, ONT.—Construction will begin next spring on the sewerage work in the Glebe district; estimated cost, \$100,000.—The Dominion Carbide Co. have decided to erect a fireproof building.—E. F. E. Roy, secretary Department of Public Works, invites tenders up to Tuesday, 26th inst., for installing heating apparatus in public building at Ingersoll, Ont. Plans at above department and on application to clerk of works at Ingersoll. E. F. E. Roy also invites tenders up to January 6th, 1900, for construction of an electric elevator in the customs examining warehouse at Victoria, B. C.—Two or three new summer hotels will likely be erected on the Rideau lakes next summer, one at Jones' Falls and the others at points further up the lakes. The new navigation company, which is now seeking incorporation, is the prime mover in the project.—The St. Patrick's Literary and Scientific Association have decided to erect a new building, to cost about \$15,000, a site for which has been purchased on Maria street. The plans as prepared show a building three and one-half stories in height, with bowling alleys in basement, a large entertainment hall and meeting room for the society on the first floor, quarters for societies on the second floor, and a gymnasium on the upper storey. Particulars may be obtained from Ald. Darcy Scott.—It is understood to be the intention of J. R. Booth to erect a factory in which to treat

CEMENT

We make only one Brand of Portland Cement and it is the Highest Grade. It is used by the Government in Public Works and by the Leading Contractors in the Provinces. Write us for prices of our SAMSON BRAND.

The OWEN SOUND PORTLAND CEMENT CO., Limited
OWEN SOUND, ONT.

Engineering Contract Company

Main Office:
EMPIRE BUILDING, 71 BROADWAY, NEW YORK
HENRY F. DUCK, MANAGER FOR CANADA.

Canadian Office:
TEMPLE BUILDING, TORONTO, ONT.

BRIDGE SUB-STRUCTURES, WATER POWER DAMS, CANAL WORK
and CAISSON FOUNDATION a Specialty

sawdust chemically.—G. F. Benson, president of the Edwardsburg Starch Co., has purchased from Ald. Morris, of this city, several sites on Larue Island, in the St. Lawrence river. Mr. Benson will build a summer residence on the property.—Steps are being taken to establish works in this city to make cotton transmission rope and smaller ropes and twine. It is said that about six acres of land will be purchased for the buildings and yards.

FIRES.

Box factory of the Examiner Printing Co., at Peterboro, Ont., damaged to the extent of \$2,500.—Parkin & Mooer's general store at Hartney, Man., owned by S. H. Dickson; loss \$9,000.—Brick building at St. Johns, Que., known as the Pierce Mansion; badly damaged.—Royal Hotel at Shakespeare, Ont., occupied by Mr. Ruess, totally destroyed.—McLaughlin's carriage works at Oshawa, Ont., entirely consumed; loss heavy.—Residence of D. McKercher at Ridgeland, Man.—Power house of the Exeter Electric Light Co., at Exeter, Ont., building completely gutted and machinery destroyed.

CONTRACTS AWARDED.

AYLMER, ONT.—G. A. Stimson & Co., of Toronto, have purchased \$5,500 town debentures, at slight advance above par.

LONDON, ONT.—\$12,600 county debentures: Canadian Order of Woodmen of the World, successful tenderers, at par.

NIAGARA FALLS, ONT.—The town has sold \$71,000 of debentures to G. A. Stimson & Co., of Toronto, at \$73,660.04, including accrued interest.

HARTLAND, N. B.—The contract to build a bridge across the river at this point has been awarded to Albert Brewer, of Upper Woodstock; price, \$28,000.

OTTAWA, ONT.—Smith & Henney, of this city, have secured a \$30,000 contract from the Dominion Government to build a wharf at North Bay, Antigonish county, N. S.

MONTREAL, QUE.—The following contracts for the new Star building have been accepted by A. F. Dunlop, architect, on the order of H. Graham & Co.: Plumbing and heating, J. Atchison; painting and glazing, W. P. Scott; elevators, Miller Bros. & Toms; roofing work, Campbell & Gilday; plastering, J. McLean; marble work, R. Reid; wrought iron and grille work, Malleable Iron Co.

TORONTO, ONT.—The Board of Works last week recommended acceptance of the following tenders for supplies: Wire nails, Ontario Lead & Wire Company, \$3.35 per 100 lbs. Loose hay, \$12 per ton; baled hay, \$11; oats, 32 cents per bushel;

rolled oats, \$19 per ton; bran, \$13.50 per ton; loose straw, \$4 per ton; oat straw, in bundles, \$7.50 per ton; salt, per barrel, \$1; all to M. Hunter. Reid & Co. got the contract for lumber; the price for plank was \$14.43; for scantling \$14.23, and for boards \$13.93. Cedar paving posts, Dominion Paving Co., \$5.43 per cord. Screened gravel, W. Mullin, \$1.15 per cubic yard. Unscreened gravel, east of Simcoe street, W. Gaby, 80 cents per yard; west of Simcoe, W. Mullin, 79 cents. Sand, west of Simcoe street, West & Co., 65 cents; east of Simcoe, Adair & Co., 79 cents. Paving brick tenders, brass and bronze castings and lead pipe were referred to the engineer. Lubricating oils also went to the engineer for report. Special castings were awarded to Galloway, Taylor & Co., \$2 per 100 lbs. Hydrants—4-way, \$62.25; 3-way, \$35.25; 2-way, \$33.25; Rice Lewis & Son. Cast iron pipe—4 pipe, \$4.66; 6-pipe, \$6.95; 12-pipe, \$20; Rice Lewis & Son. Iron valve and stop-cock boxes, Rice Lewis & Son. Coal and wood—hardwood, \$6.50 per cord; pine, \$4.45; pine slabs, \$3.48; hardwood (lung), \$6; soft coal (Streetsville), \$4.95; egg coal, \$5.25; Blossburgh, \$4.65; nut coal, \$5.25; stove coal, \$5.25; grate coal, \$5.25; McGill & Co. The tenders for lumber for waterworks was referred for a report to the engineer.

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

CORPORATIONS Will do well to consider our work and prices before letting contracts

The Silica Barutic Stone Company of Ontario, Limited.

WALTER MILLS, General Manager. Head Office: INGERBOLL, ONT.

ORE AND STONE CRUSHERS

HOISTING MACHINERY

RAILWAY SUPPLIES

BOILERS AND ENGINES

Prices furnished on application

MARSH & HENTHORN, BELLEVILLE, ONT.

Please mention the CONTRACT RECORD when corresponding with advertisers.

THE PHOENIX BRIDGE & IRON WORKS

MANUFACTURERS OF STAY BOLTS AND ALL KINDS OF RIVETS

STEEL AND IRON STRUCTURAL AND ARCHITECTURAL WORK

Beams, Channels, Angles and Tees always in stock.

29 to 49 McGill Street,

P.O. Box 893.

MONTREAL

Prices on Application.

THE CADWELL SILEX STONE COY

SILEX STONE WALKS CURBINGS } A SPECIALTY

TO CORPORATIONS.—We can give you the benefit of our ten (10) years' experience in building our Silix Stone Walks.

C. W. Cadwell, Manager, Windsor, Ont.

Portland Cements...

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC AND ARTIFICIAL STONE SIDEWALKS.

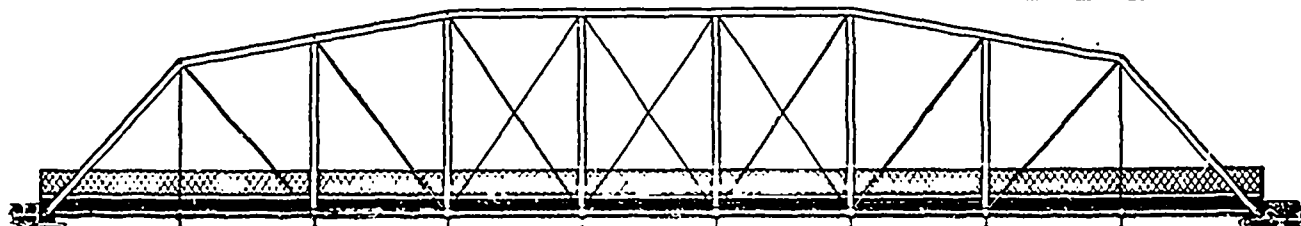
Sewer Pipes, Best English Cements. Best Belgian Cements. Culvert Pipes, &c. W. McNALLY & CO., Montreal.

JOSSON CEMENT .. Manufactured at. NIEL ON RUPELL

Is the Highest Grade Artificial Portland Cement and the Best for High Class Work. Has been used largely for Government and Municipal Works.

TO BE HAD FROM ALL CANADIAN DEALERS

C. I. de Sola, Manager in Canada .. 180 St. James Street, MONTREAL



The Hamilton Bridge Works Co, Limited, Hamilton, Canada

STEEL RAILWAY and HIGHWAY BRIDGES

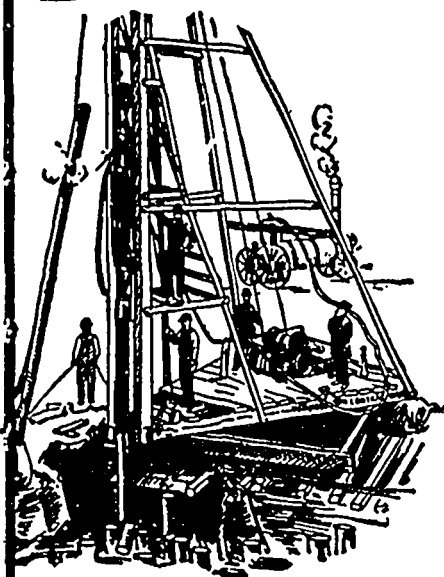
STEEL ROOFS and Every Description of STEEL LATTICE and GIRDER WORK BEAMS, CHANNELS, ANGLES and TEES always in Stock

Estimates Furnished on Application.

MUNICIPAL DEBENTURES BOUGHT

ÆMILIUS JARVIS & CO. (Toronto Stock Exchange) 32 King St. West, TORONTO

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS



PILE DRIVING

on land or water by Steam Pile Drivers or Drop Hammers.

**Portable Boilers
Hoisting Engines
Pumping Machinery
TO LET**

Bridge Building, Trestle Work, Wharves, Dams, Diving Submarine Work and General Contracting.

WM. HOOD & SON

10 Richmond Sq. - MONTREAL

DEBENTURES BOUGHT

Municipalities saved all possible trouble by applying to

G. A. STIMSON & CO.

Investment Dealers

24 and 26 King St. W. - TORONTO

Paving Granite

Granite Sets for Street Paving. - CURBING cut to any shape ordered. - Fine Rich Colors for Building and Monumental Purposes.

Quarries, St. Philippe d'Argenteuil, P. Q.

Address all communications to

JOS. BRUNET - COTE DES NEIGES, MONTREAL

Please mention the CONTRACT RECORD when corresponding with advertisers.



THIS Preparation is used for the following purposes: Prevention of Dry Rot, Fungus, Decay and the attack of White Ant and Termites in Timber; Preservation of Beams, Sills, Flooring, Wainscoting, Shingles, Wood Curbing, Sidewalks, Slat-walks, and Block Pavements. Preparation for sale or Timber treated at Factory, Corner Shaw Street and C. P. R. Track. Circulars sent of Application. Tel. 978.

OFFICE: Molson's Bank Building, Vancouver, B.C.

Tel. 646. P.O. Box 326

PORTLAND CEMENT

High Grade PORTLAND CEMENT, for Concrete Work of all descriptions, Heavy Masonry, Sidewalks, Etc. EXCLUSIVELY used by the CANADIAN PACIFIC RAILWAY CO. on all their works in British Columbia; also by the DOMINION GOVERNMENT, the MUNICIPAL AUTHORITIES of VANCOUVER and VICTORIA, and by all the leading Contractors in BRITISH COLUMBIA

Manufactured by

THE BRITISH COLUMBIA PORTLAND CEMENT CO.

Prices and Circulars on application.

VANCOUVER, B. C.

W. & F. P. CURRIE & CO.

MONTREAL

Importers of

SEWER PIPES,

CHIMNEY TOPS,

VENT LININGS,

FLUE COVERS,

FIRE BRICKS,

FIRE CLAY,

WHITING.



PORTLAND CEMENTS,

HIGH GRADE ENGLISH

B. S. & Co. "ANCHOR,"

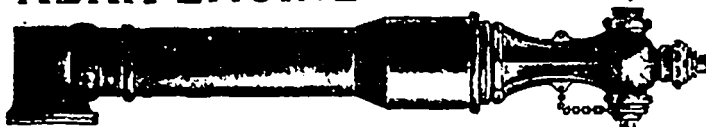
ALSO OTHER BRANDS,

PLASTER OF PARIS,

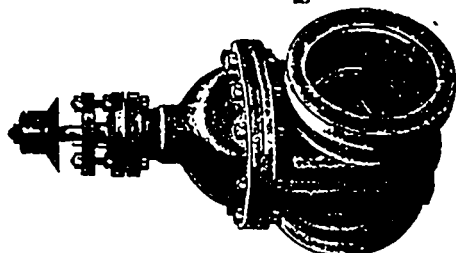
BORAX,

CHINA CLAY.

The KERR ENGINE COMPANY, Limited

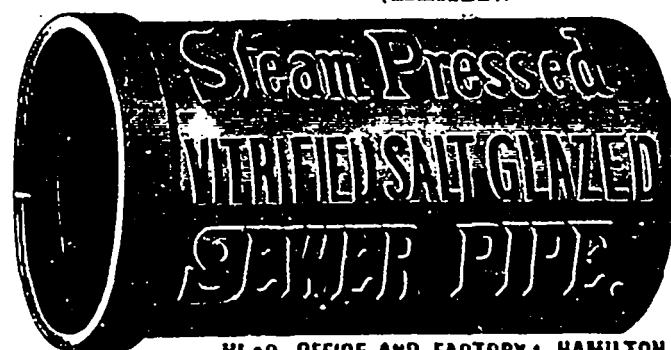


OUR goods are recognized as of the first quality by all who have used them. Information and prices given cheerfully upon application.



WALKERVILLE, - ONTARIO

THE HAMILTON AND TORONTO SEWER PIPE CO. (LIMITED.)



- FOR -
SEWERS,
CULVERTS
AND
WATER PIPES.
INVERTS
For Brick Sewers

Write for Discounts

HEAD OFFICE AND FACTORY: HAMILTON, CANADA

THE STANDARD DRAIN PIPE CO. OF ST. JOHNS, P. Q., (LIMITED)



Manufacturers
Salt-Glazed
Vitrified
SEWER
PIPES

Double Strength
Railway Culvert Pipes,
Inverts, Vents,

AND ALL KINDS OF FIRE CLAY GOODS

MUNICIPAL DEPARTMENT

LEGAL DECISIONS AFFECTING MUNICIPALITIES.

RICHMOND VS. LAFONTAINE.—Appeal dismissed with costs, by the Supreme Court at Ottawa. The corporation of the town of Richmond, Que., brought action to cancel a contract with defendants for the construction of system of water works and for damages on account of failure by the contractors to complete the works within the time stipulated, and breach of contract. The trial court at Sherbrooke decided in favor of the town, but the Court of Review, at Montreal, reversed this judgment and dismissed the action with costs. The appeal was from a judgment of the Court of Queen's Bench affirming the judgment of the Court of Review.

MORPHY VS. RAMSAY TOWNSHIP.—The suit arose out of the collapse last spring of the bridge crossing the Mississippi river at Appleton, in which one Abraham Morphy lost his life, the action being brought for the benefit of his widow and five children. Several witnesses for the prosecution were heard, when Judge Rose, who presided, suggested that the parties come to a settlement. The action was for \$20,000. The township offered \$3,500, but the complainants wanted \$6,500. The matter was again referred to the Judge, who suggested that \$4,500—\$2,000 to the widow and \$500 to each of the children—would be about the right thing, and this proposal was agreed to. All costs, which amount to about \$1,200, go against the township.

JONES VS. THE CITY OF ST. JOHN, N.B.—Appeal allowed with costs, dismissing the rule for certiorari in the court below, and in lieu thereof entering a rule refusing the motion for certiorari with costs. The appellant was for a number of years resident in the city of St. John, N.B., and possessed large properties there till about seven years ago, when he retired from business, assigned all his St. John property to his children, and, as he claims, has since then made his principal residence and domicile in the city of New York, where he carries on the business of buying and selling stocks. The city corporation, however, contend that he has never ceased to have his domicile in St. John, where he resides for a number of months in the year, acting as a director of the principal bank there, and although he does not keep house in the city, he resides continuously with one of his sons, and accordingly he has been assessed as owner of a couple of hundred thousand dollars personalty, and taxed thereon. Mr. Jones maintains that his actual domicile is in New York, and that he only visits St. John on hunting and fishing trips from season to season. The appeal was from the decision of the Supreme

Court of New Brunswick, holding that he was liable for the taxes imposed.

GORDON VS. CITY OF VICTORIA.—The judgment of the full court in (Gordon vs. the city of Victoria, an action arising out of the Point Ellice bridge disaster, which was reserved until the Privy Council had given their decisions in the Lang and Patterson cases, has been handed down. It upholds the judgment of the late Chief Justice Davie, awarding Mrs. Gordon \$10,000 for the loss of her husband. The judgment of the Full Court follows: "The facts on which the plaintiffs relied in these cases, as disclosing negligence in the corporation, were somewhat different from the facts relied on here. The main ground relied on as disclosing negligence was the boring of a stringer of the bridge, which the jury found to be one of the chief causes which destroyed the stability of the stringer and caused the accident. Here the jury found that the accident was caused by the breaking of a hanger, and the corporation were aware of the bad condition of the bridge and had attempted repairs, but the repairs were insufficient and not done well. If the case was sent back for a new trial, with the evidence that can now be obtained, and on which the other cases were tried, the result must inevitably be a judgment against the corporation, with greatly enhanced costs. The main question which was decided by the Privy Council was that the corporation was responsible for the state of the bridge, and for the condition to which the bridge was reduced by the negligence of the corporation. We think that under the circumstances judgment should be entered for the plaintiff for the amount found by the jury. We are more impressed with the uselessness of sending back the case for a new trial, which would inevitably result in a verdict for the plaintiff, than by any doubt that the Chief Justice was wrong in his ruling. Judgment will therefore be entered for the plaintiff, with costs

in the court below. With regard to costs of appeal, we think there should be no costs."

CEMENT WASH FOR THE PROTECTION OF IRONWORK.

Coatings or coverings of cement have been employed by certain railway companies in France for some years past to protect the metallic portions of bridges crossing their lines from the rapid deterioration to which such parts are liable by reason of oxidation, through being continually exposed to the action of clouds of steam and gas, products of combustion escaping from the locomotives. Formerly the practice was to protect such structures as were most exposed to such deterioration, says the Brickbuilder, by providing sheet metal guards, in the form of reversed channels, secured to beams in a direction parallel to the lines, which guards were replaced as soon as they had become worn out. At present, however, ironwork in situations where it is exposed to the above deteriorating effects is usually protected by a coating of cement. A method of applying the cement which is used in Austria, and which is highly spoken of, consists in brushing down the ironwork with a heather broom, dampening it with a rag or whitewash brush, and afterwards applying two coats of Portland cement wash made rather thick, and having added to it a proportion of fine sharp sand. In Berlin a coating of mortar containing a third part of cement has likewise been successfully employed for preserving the parts of ironwork which are buried in the ground. At Zeebrugge, in Belgium, where a deep-water harbor is now in course of construction, a portion of the pier of 300 metres in length is being formed of open work, and the steel piles of this part are endued with a coating of semi-fluid cement mortar, applied by means of an apparatus worked by compressed air, the piles having been first subjected to a preliminary cleansing by means of a sand-blast projected by the same apparatus.



"BEAVER" PORTLAND CEMENT

A HIGH GRADE PORTLAND CEMENT

Manufactured by

THE BEAVER PORTLAND CEMENT CO., LIMITED - WORKS: MARLBANK, ONT.

SOLE SALES AGENT:

COMMERCIAL WOOD & CEMENT COMPANY

Canada Life Building, Montreal.

Largest Works in Canada.

Write for Prices.

BELLHOUSE, DILLON & CO., 30 St. Francois Xavier St., Montreal

Sole Agents for the Compagnie Generale des Asphaltes de France (Rock Asphalt).

PORTLAND CEMENT NORTH'S CONDOR

Paving and Fire Brick a Specialty

"DYCKBRHOFF" and "WHITE CROSS" Brands

NORTH'S "CONDOR" BRAND AWARDED FIRST PRIZE AND GOLD MEDAL AT THE ANTWERP EXHIBITION



"GERMANIA" BRAND

HIGHEST CLASS PORTLAND CEMENT

McGILL UNIVERSITY TESTS, 1898:

Fineness:—residue on 100 sieve, 4.45%.

Tensile strength: neat: 7 days, 625 lb.

" " " 28 " 773 lb.

—OF ALL FIRST CLASS DEALERS.—



"BURHAM" BRAND

THE BEST LONDON PORTLAND CEMENT

As used for the following work: Keewatin Power Co.'s dam at Lake of the Woods; Canada Paper Co.'s dam at Windsor Mills; Government Breakwater, Buffalo; Dry Docks, Brooklyn and League Island; Hudson River Tunnel; and a vast amount of railway work, and mileage of Street Paving throughout Canada and the States.

OF ALL FIRST CLASS DEALERS.

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

WILLIS CHIPMAN

Hon. Grad. McGill University.
M. Can. Soc. C.E. M. Am. Soc. C.E.
Mem. Am. W.W. Ass'n.
WATERWORKS, SEWERAGE WORKS, GAS
WORKS, ELECTRIC LIGHT AND
POWER PLANTS
Reports, Surveys, Construction, Valuations
103 BAY STREET - TORONTO

RODERICK J. PARKE
Consulting Electrical Engineer

MUNICIPAL ELECTRIC LIGHTING
COMMERCIAL POWER INSTALLATIONS
Isolated Electric Lighting and Power Plants for
Manufactories. Estimates, Specifications, Advice
on Tenders, Valuating.
409-410 Temple Building, TORONTO, CANADA

W. T. ASHBRIDGE, C.E.

A. M. CAN. SOC. C.E.
609 Temple Building, - TORONTO
Special Attention given to
MUNICIPAL IMPROVEMENTS
Sewerage Works, Water Supply,
Pavements, Concrete Construction, Etc.

J. EMILE VANIER
CIVIL AND HYDRAULIC ENGINEER

(Graduate of the Polytechnic School.)
IMPERIAL BUILDING, MONTREAL
SPECIALTIES:
Waterworks, Sewers, both Steam and Hydraulic
Power Plants, Foundations, Paving, etc.
Valuations made of Waterworks Systems, Arbi-
trations, etc.
Plans and Estimates for Public Buildings.

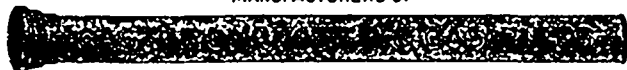
Please mention the **CONTRACT RECORD**
when corresponding with advertisers.

S. LAWRENCE FOUNDRY CO.
OF TORONTO, LIMITED.
ESTD. 1852
ARCHITECTURAL IRON & STEEL WORK
FORGINGS & CASTINGS
CAST-IRON GAS, WATER & SEWER PIPES.
SPIKES & BOLTS.
PATTERNS & MODELS.
262 TO 268 FRONT ST. EAST. TORONTO.

WATER CRANES
INDICATOR VALVE POST
FOOT AND CHECK VALVES
INDICATOR AND GATE VALVES
2-3 & 4 WAY HYDRANTS

Montreal Pipe Foundry Co. Ltd.

SUCCESSORS TO
DRUMMOND, McCALL PIPE FOUNDRY CO. LTD.
MANUFACTURERS OF



- SPECIAL CASTINGS
- FLANGE PIPE
- BRANCHES
- HYDRANTS
- VALVES
- VALVE BOXES

LONDONDERRY PIPE FOUNDRY

OFFICES
CANADA LIFE BUILDING

MONTREAL

Cast Iron Water and Gas Pipes, etc.

Londonderry, Nova Scotia

Notice to Contractors

WE can save you money on.....
Granolithic or Crushed Stone

of any size, as we have the most complete plant in
Canada. You will consult your own interests by getting
our prices. We also make a speciality of Slate, Tile,
Granite and all kinds of Stone. Crusher at Jarvis
street wharf.

THE POWELL GRANITE & MARBLE CO.'Y,
Phone 3440. Office, 482-484 Yonge St., Toronto

PORTLAND CEMENT

For Sidewalks, Pavements, Heavy Masonry and Concrete.

MANUFACTURED BY . . .

Write for Circular
and Prices.

The Rathbun Company
DESERONTO, ONT.

ALEX. GARTSHORE, President. J. G. ALLAN, Secretary and Treasurer. JAS. THOMSON, Vice-President and General Manager.

THE GARTSHORE-THOMSON PIPE & FOUNDRY CO.
LIMITED.

Manufacturers of:::

Flexible and Flange Pipe,
Special Castings and all kinds of
Waterworks Supplies.



3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

HAMILTON ONT.

WATER WORKS PUMPING MACHINERY

We are prepared to equip Municipal or other Water-Works Plants with Pumping Machinery of the latest and most approved designs. We are the largest manufacturers of Steam and Power Pumps in Canada; they are built in all sizes and capacities, and can be implicitly relied upon wherever used. Several excellent second hand pumps in first class condition for water works service on hand at close prices.

SEND FOR CATALOGUE.

NORTHEY MFG. CO. LIMITED

1015 King Street, Subway,
TORONTO, CAN.

INDEX TO ADVERTISEMENTS in the "Canadian Architect and Builder."

Architects. Ontario Directory... III Quebec Directory... x	Ornate Stains Cabot, Samuel... IV	Interior Decoration Elliott & Son Company vi	Roofers Campbell & Gilday... xii Duthie & Sons, O... xii Forbes Ro. Fg. Co... xii Nicholson & Co., D... xii Ormsby & Co., A. B... I Rennie & Son, Robt... xii Stewart & Co., W. T... xii Williams & Co., H... xii
Architectural Sculptors and Carvers. Holbrook & Mollington... i	Drying Apparatus Cummer & Sun Co... 230	Legal Quinn & Morrison... III	Sanitary Appliances Ideal Mfg. Co... xii The James Morrison Brass Mfg. Co... viii
Architectural Iron Work. Dominion Bridge Co. I	Drain Pipe Bremner, Alex... i Hamilton and Toronto Sewer Pipe Co... xi	Mantles, Grates, and Tiles. Chas. Rogers & Sons Co... vi Holbrook & Mollington i Rice Lewis & Son... IV	Stained and Decorative Glass Bloomfield & Son, Henry... i Horwood & Sons, H. Lyon, N. T... i Leonard, B... i Mackey Stained Glass Co... i McKenzie's Stained Glass Works... i The Robert McCausland Stained Glass Co... i Wood & Co... i
Art Woodwork Southampton Mfg. Co. II	Elevators Fenson, John... I Letch & Turnbull... I Miller Bros & Toms... vi Morse, Williams & Co. viii	Mail Chutes. The Cutler Mfg. Co... x	Shingles and Siding Metallic Roofing Co. 210 Ormsby & Co., A. B... I
Artists' Materials. Hearn & Harrison... ix The Art Metropole... III	Embossed Moulding Boytan & Co... i	Mortar Colors and Shingle Stains. Cabot, Samuel... IV Multhead, Andrew... I	Soll Pipe. Toronto Foundry Co. III
Builders' Supplies. Bremner, Alex... i Montreal Directory... xii O'Neil, Wm... x Ontario Lime Association... xii Rice Lewis & Son... IV Toronto Directory... xij	Engravers. Can. Photo-Eng Bureau... x	Ornamental Iron Work. Dennis Wire & Iron Co vi Toronto Fence & Ornamental Iron Works. vi	School and Church Furniture. Can. Office & School Furniture Co... x
Building Stone Dealers. Amherst Red Stone Quarry Co... v Brodie, James... v Credit Forks Mining & Mfg. Co... v Fasey, W. H... v Hood & Son... ix Robertson & Co., D... v The Longford Quarry Co... v	Folding Partitions. Seaman, Kent & Co. 230 Springer, O. T... viii	Painters. Montreal Directory... xii Toronto Directory... xii	Ventilators Boston Blower Co... III Wood & Co... i
Building Stone Dealers. Amherst Red Stone Quarry Co... v Brodie, James... v Credit Forks Mining & Mfg. Co... v Fasey, W. H... v Hood & Son... ix Robertson & Co., D... v The Longford Quarry Co... v	Fireproofing. Montreal Terra Cotta Lumber Co... xii Rathbun Co... ix	Plasterers Hynes, W. J... 230	Wall Plaster Albert Mfg. Co... IV Alabastine Co... IV Bremner, Alex... i
Builders' Hardware. Rice Lewis & Son... IV	Flag-staffs and Windmills. Gould, Shapley & Muir... II	Paints and Varnishes Muirhead, Andrew... i	Wall Paper. Scantlebury, C. B... vi
BRICKS. Besmsville Brick & Terra Cotta Co... viii Toronto Pressed Brick & Terra Cotta Co... v	Grilles and Railings. Dennis Wire & Iron Co. vi Toronto Fence & Ornamental Iron Works. vi Southampton Mfg. Co. II	Parquet Floors Elliott & Son Company vi	Wire Lathing The B. Greening Wire Company... xi
Contractors' Plant and Machinery Rice Lewis & Son... IV	Granite Brunet, Jos... v Brodie, James... v Stanstead Granite Quarries Co... v	Plate Glass Lyon, N. T... i The Consolidated Plate Glass Co... xi Toronto Plate Glass Co... vi	
Cements. Bremner, Alex... i Commercial Wood & Cement Co... IV Owen Sound Portland Cement Co... IV The Rathbun Co... ix	Heating. Boston Blower Co... III Clare Bros & Co... iv Dominion Radiator Mfg. Co... i, iii Darling Pros... 230 General Engin. Co... II Gurney, Tilden Co... v Jsm-Smart Mfg. Co... i Leonard & So., S. E... IV Ormsby & Co., A. B... I Robb Engineering Co. ix	Plumbers Montreal Directory... xii Toronto Directory... xii	

Prices of Building Materials.

PRESSED BRICK, Per M.

TORONTO PRESSED BRICK AND TERRA COTTA WORKS.			
	F.O.B.	F.O.B.	
	Milton, Ont.	Montreal.	
Red No. 1.....	\$12 50	\$18 00	
" 2.....	11 00	16 10	
" 3.....	8 00	3 10	
B. ff No. 1.....	14 50	20 00	
" 2.....	13 00	18 50	
Brown.....	20 00	25 50	
Roman R'd.....	21 00	30 50	
" Buff.....	28 00	33 50	
" Brown.....	35 00	40 10	
Hard Building.....	6 00	11 50	
" Sewer.....	6 00	11 50	
Roofing Tiles, \$20 00 per 1,000, \$23 00 Montreal.			

DON VALLEY PRESSED BRICK WORKS.

DON VALLEY PRESSED BRICK WORKS.			
	F.O.B.	F.O.B.	
	Don Valley.	Montreal.	
Red A.....	18 00	24 00	
Red B.....	16 00	20 00	
Red C.....	13 00	17 00	
Trojan and Corinthian.....	21 00	28 00	
Pompeian.....	22 00	29 00	
Athenian and Egyptian.....	25 00	31 00	
Tyrian.....	35 00	41 00	
Sicilian.....	40 00	45 00	
Roman.....	35 00	40 00	
Carthaginian.....	40 45	45 00	
Ornamental.....	30 00	100 00	30 00 10 00
Common insides.....	6 00		
Hard sewers.....	7 50		
Vitrified pavers, 12 1/2.....	16 00	22 00	
" 2nds.....	1 00	15 00	

COMMON BRICK, Per M.

COMMON BRICK, Per M.			
	F.O.B.	F.O.B.	
	Toronto.	Montreal.	
Common Walling.....	7 00 8 0	7 50 8 00	
Good Facing.....	8 00 9 0	8 50	
Sewer.....	8 00 9 0	8 50 9 00	

STONE.

Common Rubble, per toise, delivered.....	10 0	11 0
Large flat Rubble, per toise, delivered.....	14 00	18 00
Foundation Blocks, per c. ft. Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 0.1m., per ft. Amherst Red Sandstone, Amherst, N.S., per cub. ft. Kent Free stone Quarries, Mocton, N.B., per cu. ft. River John, N.S., brown Freestone, per cu. ft. Port Phillip, N.S. Brown Sandstone.....	1 00 1 00 95 95 90	1 00 1 00 95 95 90

"Scoria" Paving Blocks, 8" x 3 1/2" x 4".....	55	
"Scoria" Paving Blocks, 8" x 3 1/2" x 4".....	45 00	
Masilton.....	30 00	
Quebec and Vermont rough granite for building purposes, per c. ft. f.o.b. quarry	40	1 00
For ornamental work, cu. ft.	40	
Granite paving blocks, 8 in. x 12 in. x 6 in. per M.		50 00
Granite curbing stone, 6 in. x 20 in. per lineal foot.....		70

CREDIT VALLEY STONE.

CREDIT VALLEY STONE.		
	F.O.B.	Quarries.
Rubble, per car of 12 tons... Brown Coursing, up to 10 in., per sup. yard.....	1 50	1 75
Brown L mension, per cub. ft. Grey Coursing, per sup. yard	1 00	
Grey Dimension per cub. ft.	45	

LONGFORD STONE.

LONGFORD STONE.		
	F.O.B.	Quarries.
Rubble, per 30 M. car.....	5 00	
Ashlar, per cub. yd.....	2 00	
Dimension, per cub. ft.....	18	

SLATE.

SLATE.			
	Toronto.	Montreal.	
Roofing (per square).....			
" red.....	17 50	20 00	
" purple.....	8 5	10 00	
" untanding green.....	8 50	7 00 8 00	
" black.....	7 50	6 50	
Terra Cotta Tile, per sq.....	20 00	25 00	
Ornamental Black Slate Roofing.....	8 80	6 80	

CEMENT, LIME, etc.

CEMENT, LIME, etc.			
Portland Cements—			
German per bl.....	2 90	3 10	2 55 2 65
London.....	2 95	3 00	2 25 2 45
Newcastle.....	2 70	3 00	1 95 2 10
" Joseph Bra Portland.....	3 25	3 25	2 70 2 80
" Dyckerhoff.....	3 05	3 25	2 75 2 90
North's "Condor".....	2 95	3 10	2 65 2 80
English, artificial, per bb.....	2 85	3 00	2 5 2 45
Belgian, natural, per bb.....	2 50	2 75	2 1 2 20
Canadian, artificial.....	2 85	3 00	2 60 2 70
Roman.....			2 10 2 25
Parian.....	2 25	2 25	2 75 2 75
Sperfine.....	2 25	2 40	2 25 2 00
" Karlstadt" (German).....	3 05	3 25	2 75 2 90
" Germania" (German).....	3 05	3 25	2 75 2 90
" Rooster" (Belgian).....	2 25	2 20	2 15 2 20
" Keystone" (Belgian).....	2 25	2 20	2 15 2 20
" Anvil" (Belgian).....	2 25	2 20	2 15 2 20
" Burham" (English).....	2 95	3 00	2 25 2 45
Hydraulic Cements—			
Thorold, per bb.....	1 50	1 65	
Queenston, ".....	1 50	1 50	1 60
Napanoc, ".....	1 50	1 50	1 50
Hull, ".....	1 50	1 50	1 50
Ontario, ".....	1 25		

Keene's Coarse "Whites".....	7 50	8 00	6 50	7 00
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		30 1/2
Plaster, Calcined, N. B.....		2 00		1 50
" " N. S.....		2 00		1 50
Hair, Plasterers', per bag.....	80	1 00		0 00

HARDWARE.

The following are the quotations to builders for nail at Toronto and Montreal:			
Cut nails, 50d & 60d, per keg	2 65		2 65
Steel " " " "	2 75		2 75
CUT NAILS, FENCE AND CUT SPIKES.			
40d, hot cut, per 100 lbs.....	2 65		2 65
10 to 12d, hot cut.....	2 75		2 75
8d, 9d, " " " ".....	2 80		2 80
6d, 7d, " " " ".....	2 95		2 95
4d to 5d, " " " ".....	3 05		3 05
3d, " " " ".....	3 30		3 30
2d, " " " ".....	3 65		3 65
Cut spikes, 10 cents per keg advance.			
Steel Nails, 1cc, per keg extra.			
Wire nails, 3-4 base price.			

Iron Pipe:

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

Lead Pipe:

Lead pipe, per lb.....	7c.	85 per cent. dia
Waste pipe, per lb.....	7 1/2	

Galvanized Iron:

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

Structural Iron:

Steel Beams, per 100 lbs.....	2 75	2 75
" channels, " " " ".....	2 85	2 75
" angles, " " " ".....	2 50	2 60
" tees, " " " ".....	2 80	2 60
" plates, " " " ".....	2 50	2 60
Sheared steel bridge plate.....	2 75	2 75