

CANADIAN CONTRACT RECORD

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

EVERY WEDNESDAY

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

VOL. 13.

DECEMBER 24, 1902

No. 45

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Architect and Builder.

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

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

CONFEDERATION LIFE BUILDING, TORONTO
Telephone 2368.

Branch Offices:

Imperial Building, Montreal.
22 Great St. Helen's, London, E. C.
Telephone Main 2290.

Advertising Rates on application.

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.

WANTED

Draughtsman for out of Town, good in design and detail. Apply to Box 17, CONTRACT RECORD.

WANTED.

A Draughtsman. Must be good designer. Apply to W. H. SHILLINGLAW, Architect, Brandon, Man.

TO CONTRACTORS.

Tenders will be received at the offices of the undersigned until 5 p. m. on TUESDAY, DECEMBER 30th, 1902, for the various trades required in the erection of a Warehouse in Front St. West, for The Lowndes Company, Limited. No tender necessarily accepted.

SYMONS & RAE, Architects,
15 Toronto Street, Toronto.

Notice to Contractors

Sealed tenders will be received by the undersigned up to NOON OF MONDAY, THE 12th OF JANUARY, 1903, in bulk only, for Excavations, Stonework, Brickwork, Fireproofing, Iron and Steel Work, Carpenter and Joiner Work, Marble and Tiling Work, Roofing, Plastering, Painting and Glazing, Marble and Tiling Work, required in the reconstruction of the present Head Office Building of the Bank of Montreal.

Each tender must be accompanied by an accepted cheque made payable to the Bank of Montreal for not less than 3 per cent. of the amount of the tender, which will be returned to unsuccessful tenderers, but that of the accepted tender will be retained until the satisfactory completion of the work, and will be forfeited in case of failure on the part of the accepted contractor to enter into a contract with approved sureties.

Plans and specifications can be seen, and all particulars obtained at the offices of
MESSRS. TAYLOR & GORDON,
43 St. Francois Xavier St. Montreal.

It is not guaranteed that the lowest or any tender will be accepted.

The assets of D. Houle, contractor, Montreal, have been sold.

CONTRACTS OPEN.

BEAVERTON, ONT. — The ratepayers will vote on a proposition to erect a new town hall.

CRANBROOK, B. C. — The East Kootenay Lumber Co. will put in a tie mill on Moyie Lake.

DUTTON, ONT. — The Presbyterian congregation have decided to build a new church, to cost \$10,000.

BURLINGTON, ONT. — The fruit growers of this vicinity have taken steps to establish a canning factory.

TRURO, N. S. — F. Campbell desires tenders by 30th inst. for erection of school house at Stewjacke East.

WIARTON, ONT. — Tyson & Tyson have applied to the town council for permission to erect a slanting house.

RENFREW, ONT. — The council are considering the purchase and development of the Hough water power.

OROMOCTO, N. B. — Tenders close January 2nd for construction of wharf here for the Dominion Government.

ST. JOHN, N. B. — The St. John Street Railway Company are taking estimates on proposed improvements to their plant.

DIGBY, N. S. — It is learned that plans will be prepared at once for the new deep water terminus to be constructed here.

DUNDAS, ONT. — J. W. Lawrason is acting as solicitor for the company which purposes establishing a linen mill here.

KAMLOOPS, B. C. — Dill & Co., hardware merchants, have purchased a lot on which they intend erecting a new building.

INGERSOLL, ONT. — W. R. Smith will receive bids up to 27th inst. for purchase of \$5,372.17 local improvement debentures.

WOODSTOCK, N. B. — The Upper Woodstock Wood Mfg. Co. will commence the building of their saw mill and warehouse in the spring.

SARNIA, ONT. — A by law to raise \$20,000 for erection of a new registry office in this town was defeated in the county council last week.

LINDSAY, ONT. — It has been decided to invite new tenders, up to January 15th, for construction of 45,000 feet of granolithic walks.

AMHERST, N. S. — J. S. Henderson, of Parrsboro, is negotiating with the council with a view to removing his larrigan factory to this place.

QUEBEC, QUE. — Mr. Resther, proprietor of the Victoria Hotel burned last week, has decided to commence the work of reconstruction immediately.

NELSON, B. C. — A by-law to raise \$150,000 for putting in a power plant and extending the city's electric light system was carried on the 17th inst.

NEW WESTMINSTER, B. C. — Major Dupont, of Victoria, has announced his intention of building a brick block at this place to replace the one recently burned.

COLLINGWOOD, ONT. — At municipal elections the ratepayers will vote on a by-law to issue \$28,000 of debentures for purchase of land for a new dock.

SHERBROOKE, QUE. — The People's Telephone Co. is being reorganized and will put in a metallic system and improve the equipment during the coming year.

BRANTFORD, ONT. — Mr. Fuller, architect of the Public Works Department, Ottawa, is in the city this week in connection with proposed alterations to the drill hall.

OWEN SOUND, ONT. — On behalf of the council A. J. Spencer, town treasurer, will receive tenders up to 29th inst. for purchase of \$75,000 4 per cent. twenty year debentures.

SMITH'S FALLS, ONT. — On January 5th a by-law will be voted on by the ratepayers to assist the Gould Mfg. Co. in extending their works for the manufacture of stoves and ranges.

BELLEVILLE, ONT. — A company is being formed to build cement works at Point Anne, about four miles east of this city. Mr. Pinkerton, of Toronto, is one of the promoters.

STRATFORD, ONT. — A by-law guaranteeing the bonds of a company to be organized by William J. Mooney to build a biscuit and confectionery manufactory here was carried last week.

RATHWELL, MAN. — Paul Kane, secretary-treasurer of the municipality, will receive bids up to January 10th for purchase of twenty debentures of \$250 each, bearing interest at the rate of 5 per cent.

PORT ARTHUR, ONT. — The Marks-Calvet-Dobie Co. have decided to build a warehouse in the spring. — James Conmee has purchased property adjoining his residence on which he proposes to build.

ST. GEORGE, N. B. — Tenders are invited by the Department of Marine and Fisheries at Ottawa, up to January 15th, for construction of lighthouse tower at Letite fog alarm station, Charlotte county.

ARICHAT, N. S. — Tenders for hot water heating system in public building here will be received at the Department of Public Works, Ottawa, up to December 30th. Plans at office of William Maloney, this place.

PETERBOROUGH, ONT. — Plans have been prepared for extensive alterations and improvements to the Ontario Bank, corner Water and Simcoe streets.

—William Hall, of Adam Hall & Co., is building a new residence.

HAVELOCK, N. B.—John F. Stairs and R. E. Harris, of Halifax, have purchased the Elgin and Havelock Railway, which they expect to extend from Havelock to a point west to tap mineral springs and lumbering districts.

ST. HYACINTHE, QUE.—The proposition submitted by the Ames-Holden Boot & Shoe Co., of Montreal, to establish a factory here, provides for an expenditure of \$8,000 in machinery and improvements to the buildings acquired.

CARMAN, MAN.—E. S. Harrison, of Winnipeg, and H. G. Aylwin, J. E. Campbell, J. M. Toombs and H. E. Robinson, of this city, are applying for incorporation as the Carman Electric Light & Power Co., Limited, with a capital stock of \$50,000.

VICTORIA, B. C.—It is reported that the Imperial government dry dock at E-quimalt is to be greatly enlarged.—The Deputy Commissioner of Lands and Works will receive tenders up to 27th inst. for erection of a three-storey brick school house at E-quimalt.

HALIFAX, N. S.—The Dominion Government is asking for tenders up to January 9th for construction of a breakwater at Short Beach, Yarmouth county. Plans on application to postmaster at that place and at office of C. E. W. Dodwell, resident engineer, this city.

FARNHAM, QUE.—Dr. McCorkill, representing a number of capitalists, has submitted to council a proposition to establish a large furniture factory here.—The council have decided to undertake permanent road improvements and will likely purchase road-making machinery.

TORONTO JUNCTION, ONT.—The Union Stock Yards Co. are having plans prepared for two new packing houses, one of which will be erected to the west of their yards.—It is understood that plans have been prepared for the new post office building to be erected at the corner of Dundas and Keele streets next season.

GREEN COVE, N. S.—F. Gelinas, secretary Department of Public Works, Ottawa, invites bids up to January 2nd for construction of breakwater at this place. Plans at office of E. G. Millidge, Antigonish, C. E. W. Dodwell, Halifax; E. T. P. Shewan, St. John, N.B.; and on application to postmaster here.

LONDON, ONT.—H. C. McBride, architect, is preparing plans for a residence to be erected in Lobo, also for an alteration job to be done in Woodstock.—Plans have been prepared for the construction of the London, Aylmer & North Shore Railway, and work will be commenced next spring under the direction of E. Arzpe, engineer in charge.

KINGSTON, ONT.—The Railway Committee of the Privy Council at Ottawa has decided that the Grand Trunk Railway Co. should pay for the superstructure of a bridge at the crossing at Kingston Junction and that the city and county authorities should bear the cost of the approaches.—The late Mrs. Ward bequeathed the sum of \$9,000 for a new organ in St. Mary's Cathedral.

SYDNEY, N. S.—New stock will be issued by the Dominion Iron & Steel Company for the development of their properties at Marble Point and for the extension of the plant here.—The North River Pulp & Lumber Co. propose to commence the erection of their large pulp mill next spring.—The Canadian Bank of Commerce and the Merchants Bank of Prince Edward Island have both purchased property at this place on which to erect new bank buildings.

HAMILTON, ONT.—Whitney & Small, lessees of the Grand Opera House, are negotiating with the directors with a view to remodelling and enlarging it. Unless this is done a new theatre will likely be built.—Bishop Dowling has purchased six acres of land at the corner of Barton street and Sherman avenue, on one acre of which a church, rectory and school will be built next spring.—William Somerville & Co. have purchased the James Stewart block, corner Macnab and Vine streets, and purpose enlarging their works.

VANCOUVER, B. C.—Plans have been submitted to the managers of the West-End Presbyterian church for a new edifice.—Mr. Rovincou has advised his local agent, W. A. James, to complete arrangements for the erection of a new hotel to replace the Cosmopolitan at the corner of Abbot and Cordova streets.—It is stated that a syndicate, of which Ald. Wilson is a member, proposes to erect a brick building with stone front on Hastings street, probably for the purposes of a hotel. It is further stated that a local syndicate has had plans prepared for a five-storey hotel to be built on the corner of Hastings and Granville streets.

WINNIPEG, MAN.—It is understood that the Canadian Pacific Railway will shortly submit to the city council a proposition to build a new station and establish increased terminal facilities here. The company will also undertake the reconstruction of the line west of Moose Jaw and the building of a new line from Yorkton to Battleford and Wetaskiwin.—Lock Bros., wholesale fruit and produce merchants, have purchased a site on Market street east on which it is proposed to build a warehouse next spring.—The brick block on Main street occupied as a grocery warehouse by the A. Macdonald Co. has been purchased by S. S. Pence for hotel purposes.

AMHERST, N.S.—John Galt, C.E., of Toronto, has made a report and recommendations for improvements to the present waterworks system. It is proposed by the expenditure of about \$30,000 to convert the present system of pumping by steam power into a gravity system of water supply. In all probability this work will be constructed during the coming year.—The construction of the sewerage system has been shut down for this year, and the balance will be completed during the coming year. The outlet and main sewer, with some branch drains, have been satisfactorily completed, and already many private drains have been connected, including catch basins and street gullies. John Galt, C.E., the chief engineer, expects that everything will be finished up by end of July, 1903.

MONTREAL, QUE.—Plans are being prepared for the new locomotive works to be built at Longue Pointe by a company of which M. J. Haney, of Toronto, is president.—C. M. Hays, manager of the Grand Trunk Railway, has purchased the residence on Ontario avenue owned by the late James Burnett. It is understood that Mr. Hays contemplates extensive alterations, if not an entire remodelling of the house.—It has been recommended that the following pavement work be done during the coming year: Jacques Cartier Square, in granite blocks, cost \$14,184; Commissioners street, from the last named square to Place Royal, in granite blocks, cost \$52,615; extension to St. Peter street, forty feet wide, cost \$10,000; St. Paul street, from McGill to Inspector, in granite blocks or bituminous macadam, cost \$24,500; Inspector street, from William to St. James, in the same material, cost \$16,072; Place Royal, to St.

Paul, in asphalt or bituminous macadam, cost \$3,115; Victoria Square, both sides, to Craig, in asphalt, cost \$8,956.—The Finance Committee have agreed to bear two-thirds of the expense of constructing the Forsyth street tunnel, which will cost \$21,000. The work will likely be proceeded with in the spring.—The directors of the Western Hospital propose to dispose of the present building and erect an entirely new building on Tupper street, facing the square, to consist of two wings and to contain fifty private wards. It is probable that the plans will be prepared this winter by Messrs. Finley & Spence, and that the hospital will cost \$100,000.—Tenders will be awarded this week for supply of timber, lumber, cast and wrought iron, hardware, cement, oils, etc., for the Quebec canals. Particulars from Ernest Marceau, superintending engineer, 12 Place d'Armes.

TORONTO, ONT.—Symons & Rae, architects, are asking for tenders up to 5 p.m. of Tuesday, 30th inst., for all trades required in erection of a warehouse on Front street west for the Lowndes Co., Limited.—The Park Commissioner has been instructed to have plans prepared for a building to replace the Pavilion burned in the Allans Gardens.—J. Francis Brown, architect, Board of Trade Building, is taking tenders on a pair of houses on Shaw street.—Tenders are wanted for plastering a pair of houses on Bathurst street. Apply 131 Major street.—At the annual meeting of the Board of Trustees of the National Sanitarium Association, held on Saturday last, the report of the secretary stated that the erection of a third sanitarium would shortly be commenced in Toronto, the site for which had already been secured. The building will include a clinical laboratory.—It is reported that the erection of a fire hall and police station on Ronce avenue will be recommended by a committee of the council.—Tenders are wanted at 508 Givens street for plumbing of a house.—The City Engineer has recommended the construction of the following works: Asphalt pavements, Phoebe street, Soho to Beverley, cost \$1,920; Alexander street, Yonge to Church, cost \$7,893; Peter street, Front to King, cost \$9,893. Tar macadam roadway, Dupont street, both sides of railway extension, from Avenue road to Walmer road, cost \$18,795; Sheridan avenue, from Dundas street to College, cost \$3,730; Beatrice street, 500 feet from a point 422 feet north of College, cost \$3,125. Cedar block pavement, Lansdowne avenue, College to Bloor, cost \$7,315. Brick pavement, Sheridan avenue, Florence to Dundas, cost \$70,134. Sewers, Beatrice street, 500 feet northerly from a point 420 feet north of College, cost \$1,230; Grace street, College to 470 feet north, cost \$1,350. Concrete sidewalks, Tyndall avenue, east side, King to point 354 feet south, cost \$321; Beatrice street, both sides for 500 feet northward from a point 422 feet north of College and Beatrice streets, cost \$100; Sheridan avenue west,

The
Dominion Securities
Corporation, Limited
26 King St. E., TORONTO.

Highest market prices
paid for

MUNICIPAL
DEBENTURES

Florence to Dundas, cost \$1,252; Huron street, east, Phoebe to Grange avenue, cost \$907.—Building permits have been granted as follows: W. H. Wilson, two-storey and attic brick and stonewalling, 114 Walmer road, cost \$4,200 (W. Halls & Son, builders); R. Barber & Son, two-storey and attic brick and stone detached dwelling, west side Delaware avenue, near B'our street, cost \$2,800. Dr. Porter, pair two-storey and attic semi-detached brick dwellings, west side Huron street, near Bernard avenue, cost \$7,000 (Langley & Langley, architects, Dancy Bros., builders); Dr. D. W. McPherson, two-storey and attic brick and stone detached dwelling, west side Bathurst street, near College, cost \$4,500 (B. H. Morehouse, architect, G. W. Morehouse & Son, builders).

FIRES.

Harness shop of Laselle Bros. at St. Jean, Man.; loss \$3,500.—Two houses at Dalhousie, N. B., owned by Geo. Moffitt & Co.—Cheese factory of Louis Archambault at Drondines, Que.; loss \$4,000.—Abattoir of Kobold & Company at Winnipeg; loss \$10,000.

CONTRACTS AWARDED.

KENTVILLE, N. S.—New court house: Rhodes, Curry & Co., Amherst, lowest tenderers, at \$16,000.

ST. JOHN, N.B.—Engine house for Intercolonial Railway: Masonry, John Flood; carpenter work, Edward Bates; cost about \$72,000.

HAMILTON, ONT.—Factory on Sherman avenue for Dominion Belting Co.: Brick work, Mr. Landers; carpenter work, Mr. Hossack; plumbing, Wallace & Sons.

TORONTO, ONT.—Refitting old court house for County of York: Brick and iron work, O. L. Hicks; carpenter work, Walker & Robinson; painting, Luke & Matthews; plumbing, G. Wallace.

LONDON, ONT.—Herbert Matthews, architect, has let the contract for new building for the D. A. Perrin Mfg. Co. to the Canadian Construction Company, of Toronto.—Addition to Sherlock-Manning organ factory: William Hesman & Son, contractors.

MONTREAL, QUE.—Alterations to Homeopathic hospital in Burnside Place: Laird, Paton & Son, contractors.—G. A.

THE GREY AND BRUCE PORTLAND CEMENT COMPANY
of Shallow Lake, Limited.

Manufacturers of
"HERCULES" BRAND OF

PORTLAND CEMENT

Very finely ground. Unsurpassed for Sidewalks, Floors and all work requiring the Highest Grade of Portland Cement. For prices address,

A. D. CREATOR, Sec'y-Treas.
Head Office, Owen Sound, Ont.

Monette, architect, has awarded the contract for electric wiring of the Convent of the Rev. Ladies of the Sacred Heart at Sault au Recollet to the Crescent Electric Co.

NORTH BAY, ONT.—Recent contracts for clearing for the Temiskaming and Northern Ontario Railway have been let as follows: Pulangio & Kerns, three miles; W. C. Chambers, seven miles; Ryan & Carlson, two miles. The bridging and timber work has been let to Brennan & Ryan.

REAL ESTATE TRANSFERS.

The following transfers of vacant property in Toronto have recently been recorded:

Winchester St., n. side, e. of No. 134.

A. E. AMES & CO.

BANKERS.

18 King Street East, TORONTO.

Buy and Sell

GOVERNMENT, RAILROAD and MUNICIPAL SECURITIES.

—George Gonderham to the City of Toronto, 6x222, being part of lot 11, plan 26, assessed at \$240, sale price \$1.

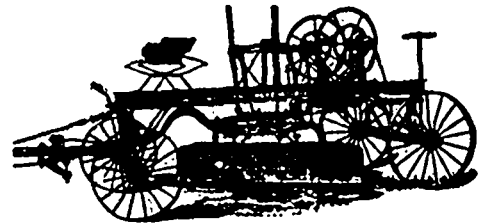
Richmond St. e., s. side, w. of No. 107.

—Wm. A. King to Thomas E Aikenhead, 26x90, being part lot 9, plan 9A, sale price \$1.

Sherbourne St., w. side, n. of No. 594.

—Canada Permanent and Western Canada Mortgage Corporation to Elizabeth

THE WORLD RENOWNED GRADER



"Steel Western Rev. reliable"

Manufactured exclusively and only to be had from

Sawyer & Massey Co., Limited,
HAMILTON, CANADA.

Portland Cements

Highest Grade

American, German, English and Belgian

DRAIN, PIPES and Connections of all kinds.

PAVING BRICKS, ENAMELLED BRICKS,

FIRE BRICKS, FIRE CLAY, Etc., Etc.

F. HYDE & CO.,

31 Wellington Street

MONTREAL



ALPHA Portland Cement

Quality Unexcelled. The Recognized Standard American Brand Always Uniform. Best in the World for Sidewalks.

ALPHA PORTLAND CEMENT CO.,

Manufacturers of but one grade—Strictly Straight Portland.

General Office: ALPHA, N. J.

Sole Canadian Sales Agents—

HENDERSON & TAYLOR

203 Commissioners Street. MONTREAL

McGREGOR & McINTYRE, LIMITED,

65 to 73 Pearl Street, Toronto, Ont.

STRUCTURAL IRON WORKS

Fire Escapes, Library Racks, Sidewalk Doors, Jail Cells, Iron Stairs, Railings, Etc., Etc.

WRITE FOR ESTIMATES.

The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

Locomotive Turn Tables, Roofs, Steel Buildings and Structural Iron Work of all descriptions

EMILIUS JARVIS.

EDWARD CRONYN.

JOHN B. KILGOUR.

G. E. A. GOLDMAN.

MUNICIPAL DEBENTURES BOUGHT

EMILIUS JARVIS & CO. (Toronto Stock Exchange) 19-21 King St. West, TORONTO, Ont.

Oliver, 31x100 and 48x142, being part lot 3 and lots 4 and 5, plan 141 E, sale price \$4,455.

Crescent Road, n. side, w. of No. 174.—James G. Ramsay to James Lumbers, 95.8x235, sale price \$4,000.

Margueretta St., w. side, south of No. 114.—David V. Reid to Alfred Batho, 18.0x127, being part lot 20, plan 572, assessed at \$131, sale price \$175.

Macdonell Ave., e. side, s. of No. 121.—Wm. Kirk to John A. Kent, 20x137, being parts lots 65 and 66, plan 452, sale price \$380.

Pape Ave., e. side, south of No. 311.—Jane Kennedy to William McCabe, 55x120, being part lot 1, plan 549, sale price \$350.

Crawford St., e. side, n. of No. 271.—Eliza Dunlop to Samuel F. Aberdeen, 50x112, being lot 8, block J, plan 399, for exchange of lands.

Preston Ave., w. side, n. of Hallam st. Samuel W. Black to the Supreme Court I. O. F., 264.10x125, being lots 29, 30, 31, 32, 33, 34, and parts lots 23 and 35, plan 861, sale price \$1.

Portland St., e. side, s. of No. 83.—Toronto General Trusts Corporation to S. R. Hughes, 67x203, being part lot 10, plan of Military Reserve, sale price \$2,345.

Avenue Road, e. side, No. 27.—Sarah Ann Pears to Hannah Louisa Pears, 20x120, sale price \$304.

Avenue Road, e. side, No. 27.—Sarah Ann Pears to Mary Ann Gibb, 19x120, sale price \$301

Albany Ave., w. side, near Wells st.—Eliz. McWhinnie to Henry F. Squires, 25x135, vacant land, sale price \$550.

Portland St., e. side, near No. 71.—Toronto General Trusts Corporation to S. R. Hughes, 40x202, vacant land, sale price \$2,345.

Dovercourt Road, e. side, n. of No. 473.—James Minto to Walter Nash, 45x132, being lot 14, plan 329, block M., no improvements, sale price \$765.

Albany Ave., w. side, s. of No. 134.—Elizabeth McWhinnie to Henry F. Squires, 25x135, being part lot 44, plan 608, no improvements,

Wellesley St., s. side, e. of No. 205.—City of Toronto to E. F. Gibson, 46x129, no improvements, sale price \$181.59.

Walker Ave., n. side.—Chas. E. Hollinrake to Mary J. McLeish, 50x176, being lot 82, plan 669, no improvements, sale price \$600.

BUSINESS NOTES.

Thomas Marshall, plumber, Vancouver, B.C., has moved to Seattle, Wash.

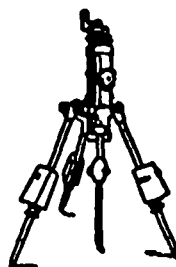
Raoul Lapierre, contractor, Montreal, is reported to have consented to assign.

The Zanzibar Paint Company, Toronto, are advertising their stock, plant, etc., for sale.

The Red Deer Lumber & Brick Company, Limited, has been incorporated at Red Deer, N. W. T.

The Continental Cement Company, of Cassadaga, Chateaugua county, has been granted incorporation at Albany, N. Y.

(Continued on page 6.)



Here you're face to face with the Empire Rock Drill, which is the best for municipal excavations.

Catalogue and full particulars mailed on application.

T. A. MORRISON & CO.,
505 St. James St., Montreal.

THE CRESCENT CONCRETE PAVING CO.
Contractors for all branches of
CONCRETE WORK

4 Lombard Street, TORONTO
Yards: 113-115 Wellington St. West.
Phone Main 1649.

Ernest G. Hopson
Member Boston Society Civil Engineers

Waterworks, Sewerage, Power Development, Structural Design.

REPORTS, DESIGNS, SURVEYS AND SUPERVISION.

Office: 26 Barrington Street, Halifax, N. S.
Commercial Bank Bldg., Sydney, C. B.

GEO. L. GRIFFITH, C.E.
Mem. Dom. Inst. Amal. Eng.; Mem. Can. Mtn. Inst.

Municipal Engineering in General

Waterworks, Sewerage and Sewage Disposal, Street Railways, Concrete Pavements, Concrete Steel Bridges, Drainage and Irrigation, Water Power Development, Reports, Plans, Specifications, Estimates, Construction.

General Instrumental Surveys undertaken for Public Works of every description.
Bank of Hamilton Chambers, Winnipeg, Man.

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



“Lehigh”
Portland Cement

Capacity 9,000 Barrels every Day in the Year.

For Sidewalks and all other work requiring the highest quality Portland Cement Used by the U. S. Government and the largest contractors and users of Portland Cements in the United States.

Absolutely the most popular Cement in Canada on account of its merits.
For Prices, etc., see reverse.

THORN CEMENT CO. - Buffalo, N. Y.

WARREN'S
BITUMINOUS
MACADAM
WATERPROOF
PAVEMENT

Is Superior to all Other Bituminous or Asphalt Pavements

We are now constructing this pavement on Talbot street and Peter street, London, Ontario, and earnestly solicit inspection of the work by officials and taxpayers interested in street pavements. During the present year this pavement has been

Laid and Contracted For in Thirty-nine Cities

in the United States and Canada to the extent of over SIX HUNDRED THOUSAND (600,000) SQUARE YARDS. Correspondence solicited from all parts of Canada. Detailed information given and descriptive circulars sent on application.

The Warren Bituminous Paving Co., of Ontario, Limited

Head Office - - - 158 Bay Street, Toronto

BRANCH OFFICE OXFORD AND TALBOT STREETS, LONDON, ONT.

ALWAYS IN STOCK

PIG LEAD, PIG TIN AND SOLDER

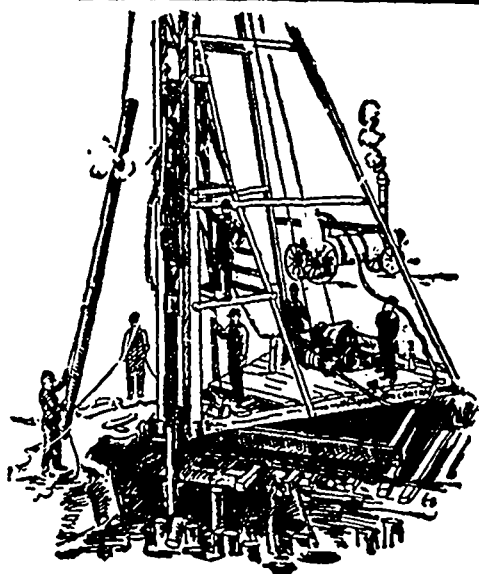
Syracuse Smelting Works, Montreal, P.Q.

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

Will go well to consider our work and prices before letting contracts
 The Silca Barutic Stone Company of Ontario, Limited.

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



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

PORTLAND CEMENT
Samson Brand Magnet Brand

MADE AT SHALLOW LAKE, ONTARIO

Our celebrated SAMSON BRAND has been before the public for many years, and has made hosts of friends among Contractors and Municipal Corporations until it has become one of the leading Cements on the market to-day, being excelled by none. This year we have decided to place the MAGNET on the market, and respectfully ask consumers to give it a trial. It will, we think, do its own advertising.

Correspondence invited.

GEO. S. KILBOURN, Secretary-Treasurer.

WORKS: Shallow Lake, Ont. - HEAD OFFICE: Owen Sound, Ont.

THE CANADIAN PORTLAND CEMENT COMPANY, LIMITED

Manufacture "RATHBUN'S STAR" Brand

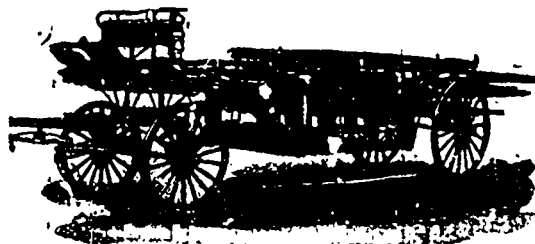
The Leading Canadian Portland Cement.

Capacity of Works: 500,000 Barrels Per Year.

SALES AGENTS
 The RATHBUN CO. St. Lawrence Portland Cement Co.
 310-3 2 Front Street West, TORONTO, ONT. 264 Notre Dame Street West, MONTREAL, QUEB.

LIGHTNESS, STRENGTH AND ECONOMY

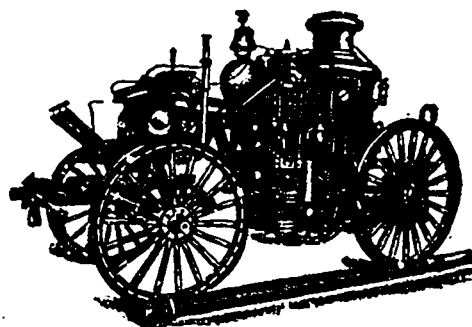
Seagrave Patent Trussed Ladders, Trussed Aerial, City Service and Village Hook and Ladder Trucks, Combination Hook and Ladder Trucks and Chemical



Engines, Trussed Trucks and Hand Pumps, Combination Hose Wagons and Chemical Engines, Hose Wagons, Combination Hook and Ladder Trucks and Hose Wagons, Chemical Engines, Fire Extinguishers, Hose Reels, Patrol Wagons, Ambulances, Specialty Wagons, Patent Sleigh Runners, and other Modern Fire Fighting Tools.

Prompt attention given all inquiries. All goods built to order

Long Distance Phone 686 and 684 W. E. SEAGRAVE, WALKERVILLE, ONT.



FIRE APPARATUS and ROAD MACHINERY

FIRE ENGINES in five sizes, with a full line of fire-fighting goods

We Rebuild other makes of Fire Engines with our patent Boiler.

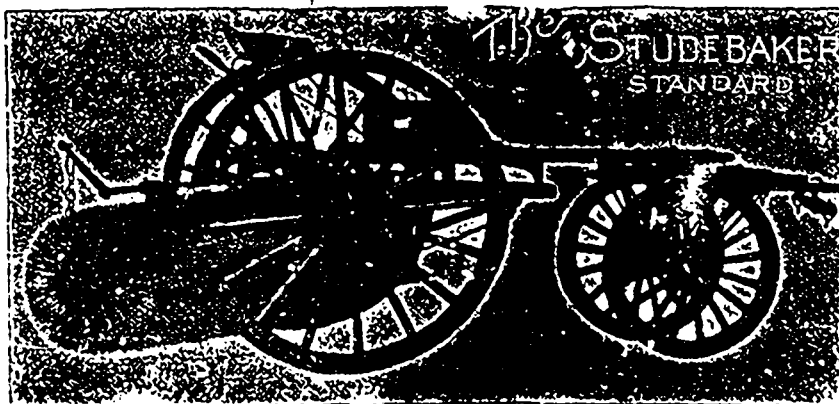
BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

IN THREE SIZES—10, 12 and 16 ton.

CORRESPONDENCE SOLICITED.

WATEROUS, Brantford, Canada

Hugh Cameron & Co., Selling Agents, 16 East Queen Street, Toronto



Studebaker Sprinkler

(PATENT IMPROVED.)

Does not clog or get out of order. Greatest width of spray Can be graded from driver's seat to any volume We also make an . . .

IMPROVED VERTICAL SPRAY

for Pavements

Geo. Heaman, Mnfr., London, Ont.

Street Sweeping Machine is the Standard of Perfection.

Because no sweeper so effectually does the work for which it is designed as "The Studebaker." It Sweeps Clean. No sweeper is constructed with the same degree of care and mechanical precision. It Wears Well. "The Studebaker" has the smallest possible number of working parts, and has less wearing than any other sweeper made. It is free from all unnecessary complications. With reasonable care it does not get out of order. Send for complete descriptive catalogue

The directors include J. H. McLaughlan, W. J. Budd and Alex. Green, of Owen Sound, Ont.

The Marble & Granite Company, of Quebec, Que., is announced to have dissolved.

R. T. Harris, tinsmith and plumber, Annapolis, N.S., recently suffered considerable loss by fire.

A demand of assignment is said to have been made upon C. C. Thornloe, paints and varnishes, Montreal.

Mr. J. A. Ellis, architect, has recently removed his offices to the Manning Chambers, City Hall Square, Queen street west, Toronto.

The death occurred recently in Winnipeg of Mr. W. H. McGuire, manager of the Western branch of the James Smart Manufacturing Company, of Brockville, Ont.

The Canada Wood Manufacturing Company, of Toronto, has been incorporated, with a capital stock of \$500,000. The incorporators include C. E. Stone and O. M. Hudson, of Toronto, and W. G. Morden, of London, Eng.

DEBENTURES

Municipalities contemplating the issue of Debentures will find it to their advantage to communicate with

G. A. STIMSON & CO.

Investment Dealers

24 and 26 King St. W. TORONTO

H. F. STRICKLAND ELECTRICAL ENGINEER

SPECIALTY Reports, Valuations, &c., for negotiations relative to Municipal Ownership.
35 ADELAIDE ST. E., TORONTO
PHONE, MAIN 1838.

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



In Excavating in rock for sewers,
gas or water mains, use our

ROCK DRILLS

CANADIAN RAND DRILL CO., Sherbrooke & Montreal, Que.

Dominion Bridge Co., Ltd.

P. O. Address, MONTREAL, P. Q.
Works at LACHINE LOCKS, P. Q.

STEEL BRIDGES

For Railways and Highways
Piers, Trestles, Water Towers
Tanks, Buildings, Roofs, Girders,
Beams and Columns

Toronto Agent: GEO. E. EVANS,
33 Canada Life Bldg., TORONTO, ONT



PORTLAND CEMENT

Sewer Pipes

Fire Bricks

Fire Clay

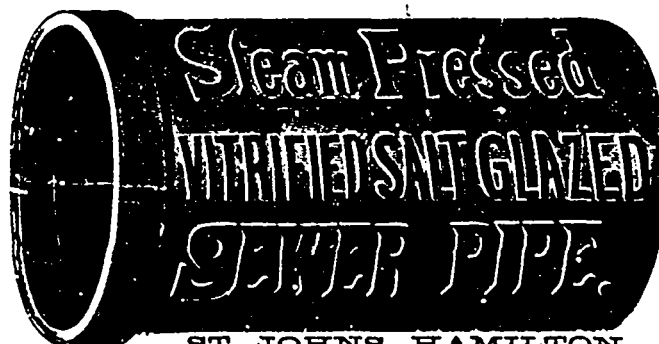
ALEX. BREMNER

50 Bleury Street, MONTREAL



THE CANADIAN SEWER PIPE CO.

MANUFACTURERS OF ..



— FOR —

Sewers

CULVERTS

AND

WATER PIPES.

INVERTS

For Brick Sewers

Write for Discounts

TORONTO
ONT.

ST. JOHNS, HAMILTON
P. Q. ONT

Pumps for Waterworks

Waterworks Systems
Installed

Steam, Hydraulic, Electric,
Gasoline, Air Lift and
Automatic Rams.

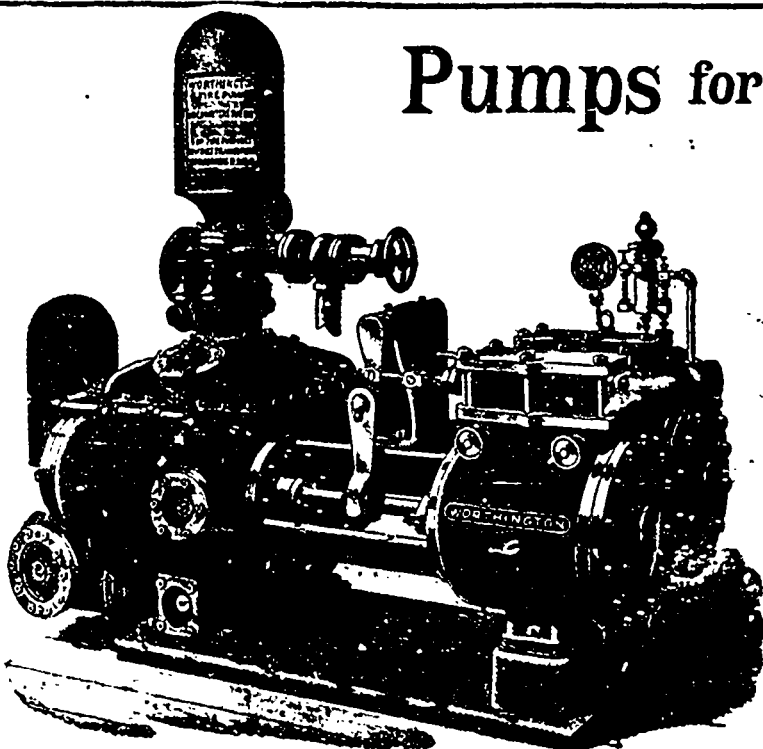
Steam Boilers and
Filters

Write for Prices and Particulars

The John McDougall

CALEDONIAN IRON WORKS CO., LIMITED

MONTREAL, P. Q.



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

R. E. SPEAKMAN, C.E.

A. M. Inst. C. E., 1898.

CONSULTING ENGINEER

Waterworks, Sewerage and Sewage Disposal.
Municipal Improvements.
Granolithic Pavements.
Electric Light Plants.
Drainage and Irrigation of Land.
Coal Handling Plant and Machinery.
Plans, Specifications and Estimates.
Construction and Valuations.

Canada Life Building - TORONTO

Roderick J. Parke

Am. Can. Soc. C.E., A.M. Amer. Inst. R.E.

CONSULTING ENGINEER

Hydraulic Power Development. Long Distance
Power Transmission. Steam Plants, Electric
Lighting and Power Systems. Tests
Valuations. Reports.

409-410 Temple Building, TORONTO, CANADA

Telephones (Office—Long Distance Main 3047
Residence—Long Distance North 2204
Telegraphic address: "Rodparke."
W. U. Code, Univ. Edition.

Wm. Mahlon Davis

Graduate R. M. College.
M. Can. Soc. C. E. Ont. Land Surveyor.

CONSULTING ENGINEER

BERLIN, ONT.

Waterworks, Sewerage, Sewage Disposal,
Drainage under The Municipal Act, Roadways.

W. G. McNeill Thompson

CONSULTING ENGINEER

M Inst. C. E. M. Can. Soc. C. E.
M. Am. Soc. C. E.

Examination of Works, Reports, Water Power
Development, &c., &c.

ST. CATHARINES, ONTARIO

ROSS & HOLGATE

**Consulting and
Supervising Engineers**

Waterworks, Electric Light and Power
Plants, Structural Work, Reports,
Estimates, Arbitrations.

7 ST. JOHN ST. - - - MONTREAL
McKINNON BLDG. - - - TORONTO

Percival W. St. George

Mem. Inst. C. E. London, England.
Mem. Can. Soc. C. E.

CONSULTING ENGINEER

Railway, Sewerage, Water, Hydraulic,
Expert and Arbitrations, &c.

BELL TELEPHONE BLDG. MONTREAL
Telephone, Main 4717.

JAMES C. KENNEDY

MEM. CAN. SOC. C.E.

Reports, Supervision, Con-
struction, Dams, Water-
Power Development, Water
Works, Sewerage, Founda-
tions, &c.

O. ROX 710, OWEN SOUND, ONT.

Please mention THE CONTRACT RECORD
when corresponding with advertisers.

**THE PHOENIX BRIDGE & IRON WORKS,
MONTREAL**

GENERAL STEEL CONTRACTORS

Large Stock I BEAMS, CHANNELS, ANGLES, TEES, ZEEs and
PLATES always on hand.

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., Montrea

W. & F. P. CURRIE & CO.

345 St. James St., Montreal

Importers of

SEWER PIPES,

CULVERT PIPES, ETC.

VENT LININGS,

FLUE COVERS,

FIRE BRICKS,

FIRE CLAY,

WHITING.

PORTLAND CEMENTS,

HIGH GRADE ENGLISH

" " GERMAN

" " BELGIAN

PLASTER OF PARIS

BORAX,

CHINA CLAY.



**SMITH
CONICAL
CONCRETE
MIXER**



18
Different
Sizes and
Styles.

Mizes in Batches. Discharges by Tilting while
Running. Mounted on Skids or Trucks.
Catalogue on Application.

— SOLE CANADIAN AGENTS —
**W. H. C. Mussen & Co., 763 Craig St.,
MONTREAL**

**CANADIAN
CONTRACTOR'S
HAND-BOOK**

and
Estimator

Third Edition

Price \$1.50 ; to
subscribers of
the Canadian
Architect and
Builder, \$1.00.

SEND FOR A COPY

C. H. Mortimer
Publishing Co.
Toronto.

The KERR ENGINE COMPANY, Limited

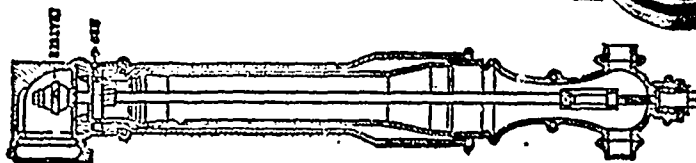
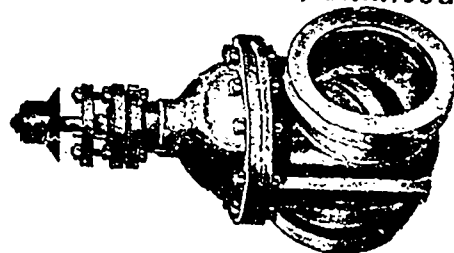
PUMPING MACHINERY

HYDRANTS and VALVES

Are our Specialty

Don't fail to write us for Catalogue and prices.

WALKERVILLE, - ONTARIO





GAS TAR FOR PUBLIC ROADS.

Mr. M. G. Rimini, district engineer at Lugo, Italy, has been treating dirt roads with gas tar near Lugo, where there is considerable traffic. A section of road 750 feet long by 13 feet wide treated with tar has proven very satisfactory. The surface of the road has become hard and compact, the dust having firmly united with the road bed, while the rainfall does not penetrate, consequently there is no mud or slush. A road bed 12 feet wide thus treated will cost \$96 per mile, which is considered very economical. Further tests will be made before adopting this system on a large scale.

NEW STREET CLEANING MACHINE.

New to street-cleaners is a machine which not only sprinkles streets, but also cleans and sweeps them. It is the invention of an engineer in Dusseldorf, Germany, and it works automatically.

Its component parts are a sprinkling wagon, a dump wagon, and a device for raising dirt from the pavement. The driver, by moving a crank, lowers the brush to the ground, and the moment the machine begins to move, the brush begins to clean and the dirt is raised and thrown into a dump wagon. When the latter is

filled it is uncoupled and replaced by another.

As the dirt is raised the street is sprinkled, and in this way dust is avoided. Moreover, various experiments have shown that not only ordinary dirt but also large stones and other weighty objects can be removed from the streets in this manner.

This useful machine will work as well in dry as in wet weather, and the brush is so constructed that it will thoroughly sweep even streets which have numberless curves and depressions. Horses are now drawing machines of this kind in a few German cities, but in the near future they will be replaced by motors.

Experts say that it costs 40 per cent. less to clean streets with this machine than by the ordinary methods.

The construction of a main sewerage system in the city of Ottawa, which has been under way for three years, has been completed. In recognition of the services rendered by Mr. Newton Kerr, city engineer, in connection with the work, the council granted him one month's leave of absence and it is proposed to increase his salary by \$500 per year. The increase is based upon the fact that by careful attention to the work the engineer had succeeded in keeping the cost considerably under the estimate.

JOHN GALT, C.E. & M.E.

MEM. CAN. SOC. C.E. AND C.E.A., ETC.
CONSULTING ENGINEER and EXPERT
ROOM 12, ABERDEEN CHAMBERS,
Cor. Victoria and Adelaide Sts., Toronto
Specialties—Water Supply and Sewerage.

The Engineers' Club of Toronto held their annual reception at their club rooms, 96 King street, on Wednesday evening, December 10th, when a very pleasant and profitable evening was spent by the members of the Club. President Major H. A. Gray made a most acceptable chairman. The musical part of the programme was contributed by R. A. L. Gray, J. Alex. Culverwell, A. A. Powman, Wm. Campbell, W. J. Fuller, and S. Gagne. The Engineers' Club now has a membership of one hundred.

Lyons Electric Co. - Brantford, Ont.
Contractors, Specialists, General Supplies.
Close Figures on High Class Work.

WATERWORKS PUMPS

Municipalities contemplating the installation of waterworks pumps will find it to their advantage to investigate our pumps—both as to cost and service.

Northey pumps are giving satisfaction under all sorts of conditions in scores of towns in Canada.

WE MAKE



Write or telegraph and we will send a representative to you to make a personal inspection.

Northey pumps are designed for efficient, continuous work and meet the requirements.



Portland Cement.

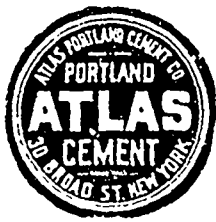
ALL GRADES.

Write or Telegraph to

BELLHOUSE, DILLON & CO.,

30 St. Francois Xavier Street, MONTREAL,

for prices—Large stock constantly on hand.



Largest Makers in the World.

BELLHOUSE, DILLON & CO., 30 St. Francois Xavier St., Montreal
Sole Agents for the Compagnie Generale des Asphaltes de Franco (Rock Asphalt.)

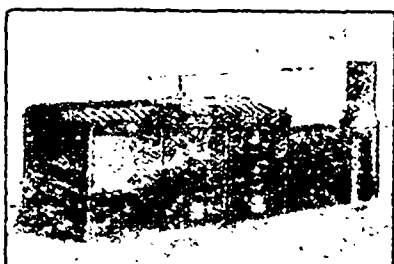
PORTLAND CEMENT NORTH'S CONDOR

Paving and Fire Brick a Specialty

"DYCKERHOFF" and "WHITE CROSS" Brands

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

PERFECTION STEEL-GLAD AND BRICK SET INCINERATORS



MANUFACTURED BY **Toronto Furnance & Crematory Co., LIMITED**

1A and 16 Queen St. East, TORONTO, CANADA

Experts in sanitary disposal of dangerous wastes,

Garbage, Refuse, Night Soil, Dead Animals,

For Cities, Towns, Hospitals, Hotels, Abattoirs, etc.

The plants embody the newest features of modern practice and are constructed to meet the requirements of the smallest towns and the largest cities, capacities ranging from 4 to 100 tons daily. Correspondence invited.



FROST PROOF HYDRANTS

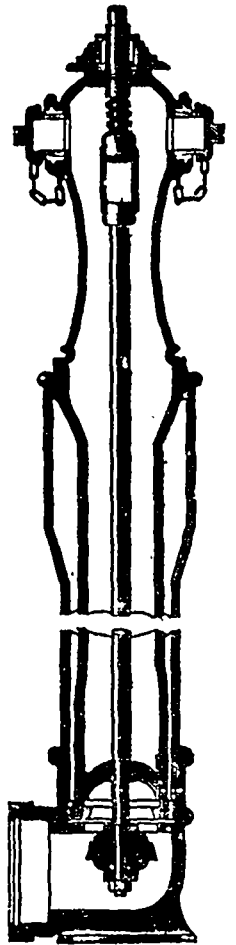
OUR

Toronto hydrants are fitted with frost cases separated from the hydrant, thereby preventing injury caused by upheavals of the ground by frost.

See Our Bulletin No. 7

Canada Foundry Co., Limited

Head Office : TORONTO, ONT.



District Offices : MONTREAL HALIFAX OTTAWA WINNIPEG VANCOUVER VICTORIA ROSSLAND

THOS. J. DRUMMOND

JAMES L. MC CALL

C. ED. GODEWILL

Vice-President

Montreal Pipe Foundry Co., Limited

Special Castings
Flange Pipe
Branches
Hydrants
Valves



CAST IRON PIPE

Valve Boxes
and
general
Water
Works
Supplies

Works at : LACHINE, QUE.
THREE RIVERS, QUE.
LONDONDERRY, N. S.

Combined daily capacity :
175 Tons Pipes and Castings.

HEAD OFFICE CANADA LIFE BUILDING

MONTREAL

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.



CAST IRON PIPE

3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

HAMILTON, ONT

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

Notice to Contractors.

The Niagara Falls Machine & Foundry Co., Limited, Niagara Falls, Ont., are making a specialty of improved HOISTING AND BUILDING ENGINES. Write for Prices.

M. BEATTY & SONS WELLAND, ONT.

Dredges, Ditchers, Derricks and Steam Shovels

of various styles and sizes to suit any work.

Submarine Rock Drilling Machinery, Hoisting Engines, Suspension Cableways, Horse-Power Hoisters, Gang Stone Saws, Centrifugal Pumps for Water, Sand and Gold Mining, and other Contractors' Plant.

Prices of Building Materials.

PRESSED BRICK, Per M.

MILTON PRESSED BRICK AND SEWER PIPE CO.

F.O.B. F.O.B. Milton, Ont. Montreal.

Table with 3 columns: Red No., Buff No., Brown, Roman Red, Hard Building, Sewers, Backing. Lists prices for various brick types.

DON VALLEY PRESSED BRICK WORKS.

Table with 3 columns: Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. Lists prices for various brick types.

TORONTO PRESSED BRICK AND TERRA COTTA WORKS. F.O.B. F.O.B. Milton, Ont. Montreal.

Table with 3 columns: Red No., Buff No., Brown, Roman Red, Hard Building, Sewers, Backing. Lists prices for various brick types.

BEAMSVILLE BRICK AND TERRA COTTA CO.

F.O.B. F.O.B. Beamsville: Montreal.

Table with 3 columns: Red Peerless Facing, No. 1, No. 2, No. 3, No. 4, No. 5, No. 6, No. 7, No. 8, No. 9, No. 10, No. 11, No. 12, No. 13, No. 14, No. 15, No. 16, No. 17, No. 18, No. 19, No. 20, No. 21, No. 22, No. 23, No. 24, No. 25, No. 26, No. 27, No. 28, No. 29, No. 30, No. 31, No. 32, No. 33, No. 34, No. 35, No. 36, No. 37, No. 38, No. 39, No. 40, No. 41, No. 42, No. 43, No. 44, No. 45, No. 46, No. 47, No. 48, No. 49, No. 50, No. 51, No. 52, No. 53, No. 54, No. 55, No. 56, No. 57, No. 58, No. 59, No. 60, No. 61, No. 62, No. 63, No. 64, No. 65, No. 66, No. 67, No. 68, No. 69, No. 70, No. 71, No. 72, No. 73, No. 74, No. 75, No. 76, No. 77, No. 78, No. 79, No. 80, No. 81, No. 82, No. 83, No. 84, No. 85, No. 86, No. 87, No. 88, No. 89, No. 90, No. 91, No. 92, No. 93, No. 94, No. 95, No. 96, No. 97, No. 98, No. 99, No. 100. Lists prices for various brick types.

STONE.

Table with 3 columns: Common Rubble, Large flat Rubble, Foundation Blocks, Granite (Stanshead) Ashlar, Roofing Tiles. Lists prices for various stone types.

INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Large index table listing various contractors, architects, and suppliers under categories like Architects, Contractors' Plant and Machinery, Mantels, Grates, and Roofing Material.

Toronto, Montreal.

Table listing prices for PORTLAND CEMENT, including English, Belgian, German, and Canadian brands.

CREDIT VALLEY STONE.

Table listing prices for RUBBLE, SLATE, and TERRA COTTA TILES.