

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.

APRIL 30, 1902

No. 13

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.

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

CONVENTION LIFE BUILDING, TORONTO
Telephone 2362.

Branch Office:

Imperial Building, Montreal,
Telephone Main 2006.

Advertising Rates on application.

TENDERS

For the erection of an addition to St. Joseph's Convent, Toronto, will be received until 5 p.m.,

Friday, May 9, 1902

at the office of the undersigned, where plans and specifications may be seen.

Lowest or any tender not necessarily accepted.

J. P. HYNES, Architect.
32 Adelaide Street east, Toronto.

SEALED TENDERS

Will be received up to 1 o'clock, p. m., on MONDAY, THE 5TH DAY OF MAY, 1902, for the necessary labor and material required in constructing about 25,000 superficial feet of Granolithic Sidewalks in the Village of Elmira during the current year. Specifications and forms of tenders supplied on application to the undersigned. The lowest or any tender not necessarily accepted.

J. H. RUPPEL, Village Clerk,
Elmira, Ont.

TO BRIDGE BUILDERS

and Concrete and Masonry
Contractors.

Sealed tenders, separately or both inclusively, endorsed "Tender for Superstructure," will be received until noon, TUESDAY, MAY 6TH, 1902, for the construction of two wrought iron or steel Highway Through Bridges. One over the Sydenham river, on 7th Con. Road, Lot 27, Brooke Township, near Alvinston, span 130 ft. One over Brown's Creek on 9th Con. Road, Lot 20, Brooke Township, near Alvinston, space 70 ft. Both having roadway 14 feet clear with steel floor joists and lattice or pipe railings, sound white oak floor designed in accordance with "Cooper's Standard Specification, 1866." Bridge of Class B2 designed to carry with safety a concentrated load of 8 tons on two axles of 7 feet centres. Riveted girders style preferred. Tenderers for the above works must furnish complete plans, strain sheets, specifications, etc.

Sealed tenders, marked "Tender for Substructure," will be received for Masonry Abutments for the above 7th Con. Road Bridge and also for the 9th Con. Road Bridge for Masonry Abutments (same specification) or cement concrete of broken stone or screened gravel. Plans and specification for the abutments may be seen at the Engineer's Office, Alvinston, and tenders are to be addressed to him.

A. S. CODE,
LAUGHLIN LINDSAY, Engineer in Charge.
Reve.

To Architects

Competitive designs will be received by the undersigned up till MAY 1ST, 1902, for a Public Library Building for the City of St. Catharines. Further information may be procured by applying to

JNO. S. McCLELLAND,
City Clerk.

St. Catharines, 25th March, 1902.

TENDERS

Will be received by the undersigned up to 12 o'clock, noon, of the 12TH OF MAY NEXT, for the erection of a Dwelling in the Village of Madoc, cellar and foundation of stone and superstructure of wood. Plans and specifications may be seen at the office of Thomas Hanley, architect, Belleville, and at my office, Madoc, on and after the 5th of May. The lowest or any tender not necessarily accepted.

Madoc, April 24, 1902.

E. D. O'FLYNN.

TO CONTRACTORS

Tenders will be received at the office of the undersigned until 5 p.m. on TUESDAY, MAY 6, for the erection of a House in Simpson Avenue and for the erection of a House in Smith St., Toronto. The lowest or any tender not necessarily accepted.

SYMON & RAE, Architects,
15 Toronto Street.

TENDERS WANTED

Tenders will be received by the undersigned at his office in Annapolis Royal up to MAY 17TH, 1902, at 12 o'clock noon, for the purchase of \$12,000 Light Extension Debentures

of the town of Annapolis Royal, issued under special Act of the Legislature of Nova Scotia, 1902. Debentures will be dated June 1st, 1902, and be of the amount of \$100 each, and bear interest at the rate of 4 per cent., payable half yearly at the office of the Town Clerk. The whole amount is repayable in 25 years from the date of issue.

FRED W. HARRIS,
Town Clerk Treas.

SPRINGHILL WATER WORKS LOAN.

Sealed offers will be received, (addressed to the undersigned and marked tender for loan) up to THURSDAY, THE 15TH DAY OF MAY, NEXT, for the purchase of bonds or debentures of the town of Springhill, bearing interest at the rate of four per cent. per annum, payable half yearly, the principal to be repaid in thirty years from date of issue.

The proposed loan, for which a sinking fund is provided, was authorized by the Legislature of Nova Scotia at last session to enable the town council of Springhill to construct a gravitation system of water works designed to serve a population of 20,000 people, present population about 5,500. Estimated cost

\$160,000

Tenders will be considered for the whole or part of the above amount; transfer of bonds to be made by agreement to suit purchasers, and may cover a considerable period.

The highest of any offer not necessarily accepted.

By order,
DANIEL McLEOD,
Town Clerk.

Springhill, N. S., April 10, 1902.

CONTRACTORS' PLANT FOR SALE

3 Double Drum Hoisting Engines, 1 sixty foot Guy Derrick, 1 Duplex Steam Pump, 1 small Rock Drill, 3 Scale Boxes, Pipe and Fittings, Blacksmith Tools, Quarrying Tools, etc., etc.
May be seen at Cartwell Quarry, Thorold, Ont.
THE NATIONAL CONTRACTING CO.

MUNICIPAL DEBENTURES.

The Secretary Treasurer of the Municipality of South Qu'Appelle, N. W. T., is prepared to receive Sealed Tenders up to SATURDAY, MAY 31st, 1902, for the purchase of \$10,000 Twenty year 6 per cent. Debentures.

The highest or any tender not necessarily accepted.

J. C. STARR,
Secretary Treasurer.

Qu'Appelle, Assa., Canada,
April 9th, 1902.



Sealed tenders addressed to the undersigned, and endorsed "Tender for extension to wharf at St. Laurent, Isle d'Orleans, P.Q., will be received at this office until Friday, 9th May, 1902, inclusively, for the construction of an extension to the wharf at St. Laurent, Isle d'Orleans, according to plan and specification to be seen at the Department of Public Works, Ottawa, at the office of Mr. Ph. Beland, Post Office, Que., and at the office of Mr. J. L. Michaud, Resident Engineer, room 411, Merchants Bank Building, Montreal.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of the tenderers.

An accepted cheque on a chartered bank, payable to the order of the Minister of Public Works, for fifteen hundred dollars (\$1,500.00) must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender. The Department does not bind itself to accept the lowest or any tender.

By order,
FRED. GELINAS,
Secretary.

Department of Public Works,
Ottawa, April 26th, 1902.

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

CONTRACTS OPEN.

NORTH SYDNEY, N.S.—The council is about to purchase a stone crusher.

MARKHAM, ONT.—A four-storey addition is about to be built to the woollen mill.

ST. STEPHEN, N. B.—Bids have been invited for purchase of town debentures.

CORNWALL, ONT.—S. W. Jacobs intends building a dwelling on Sydenham street.

WALKERVILLE, ONT.—J. Stodgell about to build a large two-storey house.

SMITH'S FALLS, ONT.—Dr. McCallum intends building a cottage at the Narrows.

BARRIE, ONT.—It is proposed to raise \$15,000 by debentures for permanent sidewalks.

COOKSHIRE, QUE.—J. Wilkinson wants tenders by May 1st for erection of residence.

ROCKWOOD, ONT.—Harris & Co., Limited, will build a large addition to woolen mill.

MIDLAND, ONT.—The Church of England congregation will build a new parsonage.

PENETANGUISHENE, ONT.—The Presbyterian congregation have decided to build a manse.

VANCOUVER, B. C.—J. W. Luckie has decided to build a large warehouse on Water street.

HINTONBURG, ONT.—An addition to the Methodist church may be built this summer.

THOROLD, ONT.—William Williams wants tenders by May 1st for 500 feet of fire engine hose.

OWEN SOUND, ONT.—The Board of Education have asked for \$3,000 for school improvements.

PORT ARTHUR, ONT.—The Pigeon River Lumber Co. are building thirty residences in town.

ATHENS, ONT.—A by-law to raise \$6,000 to erect a new town hall was carried on Monday last.

BURK'S FALLS, ONT.—R. M. Ogilvie, architect, of Toronto, is preparing plans for new school here.

WARWICK, ONT.—William Janes invites tenders up to May 12th for remodeling school building.

INWOOD, ONT.—Brooke township council will issue debentures for \$9,000 to build two steel bridges.

SUSSEX, N. B.—Tenders close May 12 for purchase of \$30,000 debentures. Particulars from H. A. White.

SANDWICH, ONT.—It is understood that the Bishop Fur Co. will shortly erect a modern factory building.

WINGHAM, ONT.—The Dominion Government is being urged to build a post office and custom house here.

ORILLIA, ONT.—W. H. Croker, architect, has been instructed to prepare plans for a new convent building.

MIDDLETON, N. S.—Tenders close May 15th for erection of armoury here. Plans on application to post-master.

STOUFFVILLE, ONT.—A by-law to raise \$5,000 for macadamizing the main street will be voted on May 6th.

TORONTO JUNCTION, ONT.—It is understood that a site has been selected for new post office and custom house.

BROCKVILLE, ONT.—Saulmer, Decelles & Altman have made a proposition to the city to build a large brick factory.

EDMONTON, N. W. T.—The Edmonton District Telephone Co. will extend their telephone line from Beaumont to Leduc.

SYDNEY, N. S.—It is said that the Nova Scotia Steel Co. will immediately erect a new machine shop and office building.

ANNAPOLIS, N. S.—F. J. Harris, town clerk, invites bids up to May 19th for purchase of \$12,000 electric light debentures.

RENFREW, ONT.—Tenders are wanted by May 3rd for building addition to hospital. Plans by J. D. McNicol, architect.

FORT WILLIAM, ONT.—C. W. Jarvis wants tenders by May 1st for erection of the John McKellar Memorial Hospital.

GLACE BAY, N. S.—C. M. O'Dell, C.E., has recommended that tenders be invited immediately for laying pipes for waterworks system.

BRANDON, MAN.—W. A. Elliott, architect, has prepared plans for brick blocks to be built by Burchill & Howey and J. F. Higginbotham.

WINDSOR, ONT.—The directors of the Lake Erie and Detroit River Railway have decided to build a large summer hotel at Rondeau.

PETERBOROUGH, ONT.—American capitalists have purchased the street railway and will extend it to Lakefield and Chemong Park.

ARICHAT, N. S.—Tenders are asked by the Department of Public Works at Ottawa, up to May 15th, for erection of public building here.

NEWMARKET, ONT.—Mr. Jackson, of the Newmarket Era, is about to build a residence, from plans by J. A. Ellis, architect, Toronto.

QUEBEC, QUE.—It is proposed to lay water pipes along Marchmont and Grande Allee, at cost of \$45,000.—J. Gallagher, waterworks engineer, desires tenders by May 6th for drainage work.

BRANTFORD, ONT.—The Ham & Nott Mfg. Co. will build a new work shop, machine shop, and addition to engine room, cost \$9,000.

HULL, QUE.—A telephone company is being formed to build a telephone system in the county of Ottawa. Particulars from H. A. Fortier, this place.

HALIFAX, N. S.—At a meeting of the directors of the Nova Scotia Steel & Coal Co., held last week, it was decided to extend the works at Trenton, N. S.

UXBRIDGE, ONT.—Tenders will be opened on Thursday next for granolithic sidewalks.—Tenders are asked by Allan Gray up to May 11th for repairs to school house.

TRURO, N. S.—W. D. McCallum wants tenders by May 3rd for erection of brick and stone academy building. Plans by J. C. Dumaresq & Son, architects, Halifax.

ST. THOMAS, ONT.—The Board of Education will build an addition to and remodel the Collegiate Institute, at a cost \$15,000. Plans by N. R. Darrach, architect.

LINDSAY, ONT.—G. M. Miller, architect, of Toronto, has prepared plans for library building to be built here.—Plans are to be procured for new eight-room school.

ST. MARY'S ONT.—A by-law to raise \$16,000 for extending and improving the waterworks and electric light plants will be submitted to the ratepayers July 7th.—J. A. Humpris, architect, invites tenders up to May 2nd for building school house.

DESERONTO, ONT.—The question of laying granolithic sidewalks is under consideration.—An engineer of the Public Works Department last week examined the proper sites for the railway and traffic bridge over the Bay of Quinte.

GUELPH, ONT.—A committee of the council has been authorized to secure a site for a new library building.—Plans have been prepared for the MacDonald building in connection with the Agricultural College.—W. F. Colwill has submitted sketch plans for proposed library building.

MEDICINE HAT, N. W. T.—Tenders are invited by W. N. Adair, secretary-treasurer of the municipality, up to May 17th, for the following supplies for natural gas plant: Ten thousand feet 4-inch American line pipe; 9,500 feet 3-inch line pipe; 3,500 feet 2½-inch

line pipe; 2,500 feet 1-inch and 1,500 feet 1½-inch service pipe; 2 tons of cast iron fittings.

LONDON, ONT.—G. Craddock, architect, wants tenders by May 5th for erection of store on King street.—Herbert Matthews, architect, is calling for tenders for addition to the McCormick Mfg. Co's works on Dundas street, and is preparing plans for alterations to residence on Queens avenue for George T. Brown.—The architect for the new building for Advertiser Printing Co. is H. C. McBride, instead of Moore & Henry, as given in last issue.

COLLINGWOOD, ONT.—Plans have been prepared for new brick factory for Wilson Bros.—Tenders are about to be invited for new library building. The plans, as prepared by W. & W. Stewart, architects, of Hamilton, show a one storey and basement building, of pressed brick, with sandstone trimmings, hot water heating, birch floor, slate roof, granolithic sidewalks to entrances.

SHERBROOKE, ONT.—Engineers have completed the survey of proposed extension of the street railway to Brompton Falls, distance 7 miles, and if not too expensive the work will be proceeded with immediately.—The Sherbrooke Gas & Water Co. are having plans prepared for alterations and additions to power plant, including the building of new dam. Tenders close May 10th for building bulkhead, dam and gates.

OTTAWA, ONT.—F. A. Scott & Son will build a block of stores, corner McLaren and Bank streets.—Representatives of St. Andrew's church have decided to build a new church in the Glebe.—The Department of Railways and Canals invites tenders up to Monday, May 5th, for substructure of bridge at Marlett's crossing, Welland canal.—Tenders are asked by the Department of Public Works up to May 7th for dredging at Sault Ste. Marie, Port Arthur and Point Edward, and until May 16th for wharf and dredging at Three Rivers, Que.

SAULT STE. MARIE, ONT.—Tenders are asked by T. J. Kennedy for construction of the following sections of the Manitoulin & North Shore Railway: From Meaford to Owen Sound; from Warton to Tobermory Harbor; from White Fish Bay to Canadian Pacific Junction; from Sudbury to Lake Wapnapitae.—All arrangements are said to have been completed by the Algoma Central and C. P. Railways to build a \$50,000 union station here, of stone.—Thomas Moore intends building an hotel, corner Queen and Elgin streets.—A residence will be built by S. Sarasohn.

HAMILTON, ONT.—The city council will ask the Grand Trunk Railway Co. to build a bridge over the tracks at Strachan st.—Charles Mills, architect, invites tenders up to May 1st for erection of ten room school on Mary street.—Building permits have been granted as follows: Rev. Thomas Geoghegan, brick dwelling, corner Fairleigh avenue and Ida street, cost \$2,000; Canada Preserving Co., brick addition to factory, corner Pine and Pearl streets, cost \$1,000; Charles Mills, four brick dwellings, York street, cost \$4,000; Thomas Allen, brick dwelling, Napier street, cost \$1,400; Thomas Lovejoy, brick cottage, Oak avenue, cost \$1,000; F. J. Rastrick & Sons, brick dwelling, corner Hannah and Park streets, cost \$3,500; J. H. Larkin, two brick dwellings, Princess street, cost \$2,400.

WINNIPEG, MAN.—J. O'Donohue has purchased Burk's livery stable on Main street and will probably build a fine hotel on the site.—C. J. Brown, city clerk, wants tenders by 8.30 p. m. on May 1st for supply of 20,000 feet of waterworks pipe, 44 valves, and other

waterworks supplies.—C.F. Bunnell states that the proposed addition to the Clarendon Hotel, for which plans are being prepared, may not be built until next year.—Tenders are being taken this week for construction of sewers, macadam pavements, and granolithic walks.—J. H. Ashdown's new warehouse on Bannantyne street will be four-storeys, instead of two as at first intended.—It is reported that a project is on foot for the construction of a \$250,000 hotel in the north end. Donald McKenty, of the Manor Hotel, is said to be arranging the details with American capitalists.—R. D. Willson is this week taking tenders on frame dwelling.—It is understood that a four-storey addition will be built to the Bullman Block, at cost of \$40,000.—The site has not yet been selected for new Zion church.—The proposed alterations and additions to the C.P.R. shops here will cost about \$50,000.

MONTREAL.—Tenders are wanted by the city clerk by May 6th for repairs to the city hall.—The capacity of the steam fire engine for which tenders are invited is to be 1000 imperial gallons, instead of 1,200 per minute as originally stated.—The Grand Trunk Railway Company is considering the erection of an elevator on the Conner's site.—Mr. Poul-in, manager of Her Majesty's Cafe, is negotiating to take over the large stone building adjoining, formerly used as a school house. If secured it will be converted into a first-class hotel and one or more storeys added thereto.—G. A. Grier has decided to build a stone block at the south-east corner of St. Catherine and Guy streets, to be 160 x 145 feet, six storeys, and comprising six stores. The plans are being prepared by Hutchison & Wood, architects.—Hon. Mr. Thibaudau has sold his residence at 837 Palace street to the Union Boston Shoe Company, who will likely erect a large factory on the site thereof.—Tenders are invited by the Canadian Pacific Railway up to May 1st for construction work required in the reduction of grade on the Ontario and Quebec railway between Smith's Falls and Toronto, to include grading, masonry, bridging, and track laying. Tenders are also asked by the C.P.R. up to May 15th for the supply of track ties, fence posts, telegraph poles and piling required on the Ontario division for the next three or five years.—L. O. David, city clerk, is calling for tenders up to May 7th for building of new fish market on Berri street. Plans at office of C. A. Reeves, architect, 180 St. Catharine street.—Building permits have been granted as follows: Rev. Jos. Charette, three-storey house, 7 Laval avenue, cost \$4,000 (G. Tessier, contractor, G. A. Monette, architect); L. R. Montbriant, two three-storey houses, 234-236 St. Andre street, cost \$5,000 (L. R. Montbriant, architect); S. Christian, three-storey house, 137 Poupard street, cost \$3,500.

TORONTO, ONT.—Major Horn, 20 Albert street, wants separate tenders for construction of a row of four brick houses.—Specifications for ties, posts, telegraph poles, etc., required by the C.P.R., may be seen at the office of John Wanless, tie inspector, Parkdale.—The Bank of Hamilton is reported to have decided to erect a \$35,000 bank building at the north-east corner of Queen street and Spadina avenue. The Bank of Toronto will build a branch bank at the corner of King and Bathurst streets.—S. H. Davis, architect, 61 Victoria street, is asking for tenders up to Saturday next for twenty houses.—The Old Boys of Upper Canada College are taking steps to raise funds with which to build a gymnasium, drill hall, and hockey rink, at estimated cost of \$21,000.—The city has given notice of its intention to construct the following works: Asphalt pavement on Morris street, Huron to Spadina, cost \$4,075; cedar block pavement on Sturford street, Cliford to Wellington avenue,

cost \$5,200; brick pavement on Westmoreland avenue, from Bloor to Van



CONTRACTORS should have our **STEEL MOULDS** for making concrete tile. Leading municipalities are adopting concrete. Sizes and prices on application. **SAWYER & MASSEY CO.**, Hamilton, Ont.

Good Roads Machinery Co. (Limited.)

JOHN CHALLEN, Manager, HAMILTON, ONT.

"CHAMPION" Rock Crushers, Road Rollers, Road Graders, Road Plows, Macadam Spreading Wagons, Street Mud Cleaners, Wheel & Drag Scrapers. Now introduced in every Province of Canada. Send for Twentieth Century Catalogue

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

VULCANITE PORTLAND CEMENT

Capacity 4,000 Barrels per day.

FOR SIDEWALKS AND STRUCTURAL WORK

Where the best is required. For prices address . . .

F. A. Carpenter & Co., Limited, Hamilton, Ont.

McGREGOR & McINTYRE 65 to 73 Pearl Street TORONTO, ONT.

STRUCTURAL IRON WORKS

Trolley Pole Brackets; Electric Light Arms; Prison and Jail Cells; Fire Escapes Automatic Fire Shutters and Doors; Iron Sidewalk Doors, Etc.

We stock Bar Iron, Bar Steel, Steel Angles, Channels, Etc.

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. CREASOR, Sec'y-Treas. Head Office, Owen Sound, Ont.

MUNICIPAL DEBENTURES BOUGHT

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

Home, cost \$2,965, and on Orde street, Murray to McCaul, cost \$3,290.—The city engineer has recommended the construction of an iron and steel bridge over the railway tracks at the foot of Yonge street, to cost \$395,000. The following local improvements are recommended: Six-inch water main on Greenwood avenue, cost \$5,000, asphalt pavement on Soho street, cost \$7,590; macadam roadway on Munro street, Queen to Gerrard, cost \$7,500, and on Marlborough place, Avenue Road to 645 feet east, cost \$1,250; concrete sidewalks on portions of Elm avenue, cost \$581, Spadina avenue, cost \$834; Bloor street, cost \$1,660, Delair street, cost \$426, and Queen Park Crescent, cost \$502.—Darling & Pearson, architects, are preparing plans for new building to be built on the south side of King street, between Bay and Jordan, for the Bank of Nova Scotia, three-storied, of stone, with banking room 45x100 feet.—J. Francis Brown, architect, is preparing plans for a school building to be built at Lindsay, to cost about \$12,000.—Plans and specifications of dredging to be done by the Dominion Government at Port Arthur, Sault Ste Marie and Point Edward are on view at the office of H. A. Gray, C. E., Confederation Life Building, this city. These works are quite extensive.—Building permits have been granted as follows: Robert Clayton, two storey brick dwelling, 350 Markham street, cost \$3,000; The Frazee Storage & Cartage Co., six storey brick building, 253 College street, cost \$20,000 (Bond & Smith, architects, John E. Webb, builder); H. S. Mara, three pairs two-storey and attic brick dwellings, west side Gore Vale avenue, near Arthur street, cost \$9,000 (Walter Nash, builder); Walter Nash, pair semi-detached two-storey and attic brick dwellings, west side Beatrice street, near College, cost \$3,500; S. B. Stevenson, pair semi-detached two-storey brick veneered dwellings with roughcast backs, 774 and 746 Dovercourt Road, cost \$1,800; The Polson Iron Works Co., two storey pattern shop, of wood, covered with iron, south side Esplanade street, near Sherbourne, cost \$3,500 (S. H. Townsend architect, Medler & Arnot,

builders); J. J. Walsh, two pairs semi-detached two-storey brick dwellings, 287 to 293 Logan avenue, cost \$6,000 (M. B. Vandervoort, builder); E. Howard, two-storey brick dwelling, 63 Walker avenue, cost \$2,400 (Wm. Wilkins, builder); Merchant's Dyeing & Finishing Co., brick and steel two-storey factory, corner Liberty street and Pacific avenue, cost \$6,000 (A. Burton architect, John E. Webb, builder); W. McIlveen, two-storey frame store and dwelling, corner Queen street and Bellfleur avenue, cost \$1,400 (James McIlveen, builder); A. J. Henderson, semi-detached two-and-a-half storey brick dwellings, Nos. 29 and 31 Albany avenue, cost \$4,500 (James Niblett, builder).—The Canadian General Electric Co. have purchased the Upper Canada College property, corner King and Simcoe streets, and will erect thereon a building 185 x 150 feet, the ground floor

to be used as a show room.—The congregation of Elm street Jewish synagogue, known as "Goel Tzedec," will erect a new church, probably on University avenue.

FIRES

Roman Catholic church at Iona, Cape Breton, loss \$10,000. Residences of Charles Galbraith, George Davis, Lr. Dunn, W. S. Cannon and Dr. Waddell, stores of Mrs. J. D. Davis and T. A. Warren & Co. and Bell Telephone office at North Augusta, Ont.; loss \$40,000, insurance \$12,000.—Crist mill of J. Burgoyne and warehouse of G. W. Stickney, at Newburg, Ont.—Residence of W. A. Mills at Chatham, loss \$4,000.—Residences of Richard Armstrong and Peter Grant on Wolfe Island, near Kingston, Ont.; loss \$3,000.—Residence of S. R. Burt at Minden, Ont. Warehouse in

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

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

SMITH
CONICAL
CONCRETE
MIXER



— 8 —

Different
Sizes and
Styles.

Mixes in Batches. Discharges by Tilting while Running. Mounted on Skids or Tracks.

Catalogue on Application.

— SOLE CANADIAN AGENTS —

**W. H. C. Mussen & Co., 763 Craig St.,
MONTREAL**

CANADIAN
CONTRACTORS
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 Canadian Bridge Co., Limited

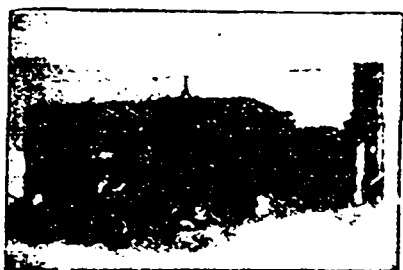
WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

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

PERFECTION STEEL-GLAD AND BRICK SET INCINERATORS



MANUFACTURED BY **Toronto Furnance & Crematory Co., LIMITED**
14 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.

ALWAYS IN STOCK.

PIG LEAD, PIG TIN AND SOLDER

Syracuse Smelting Works, Montreal, P.Q.

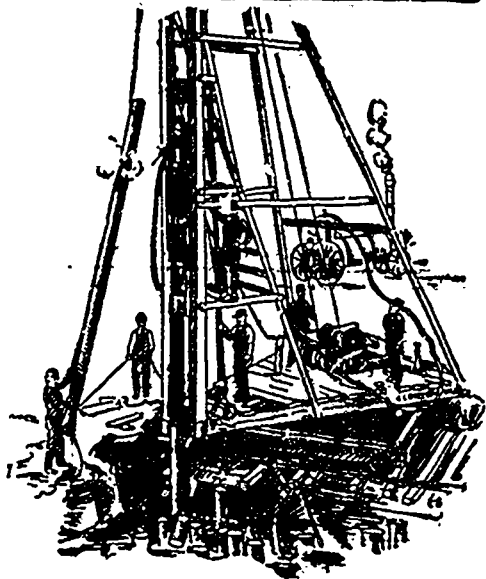
ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

CORPORATIONS Will do well to consider our work and prices before letting contracts
The Silica Baritic 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, Lighthouse Work, Wharves, Dams, Diving Submarine Work and General Contracting.

WM. HOOD & SON

10 Richmond Sq. - **MONTREAL**

J. C. EDWARDS, RUABAN, North Wales, England

MANUFACTURER OF

RUABAN BLUE VITRIFIED GOODS, IMPERISHABLE BLUE AND BUFF PAVING CLINKERS
 STABLE BRICKS, ETC. Prices on application to

ARTHUR LAURENT, - 68 D'Artigny St., Quebec, Canada

N. B.—The 8 Panel Blue Adamantine Brick (9 x 4 1/2 x 3) has been used extensively for paving Quebec streets.

The Canadian Portland Cement Company, Limited

Manufacture **"RATHBUN'S STAR"**
"BEAVER" "ENSIGN"

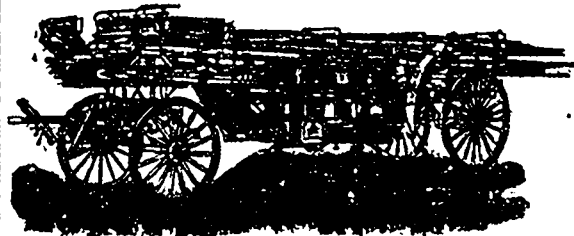
WORKS: Strathcona, Ont.; Marlbank, Ont. **CAPACITY:** 500,000 Barrels per Annum
 —For Prices, write, wire, phone or call on our Sales Agents:

THE RATHBUN COMPANY
 310-312 Front Street West
 TORONTO, ONT.
 Telephone Main 1379.

St. Lawrence Portland Cement Co.
 264 Notre Dame Street West
 MONTREAL, QUE.
 Telephone Main 3987.

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.

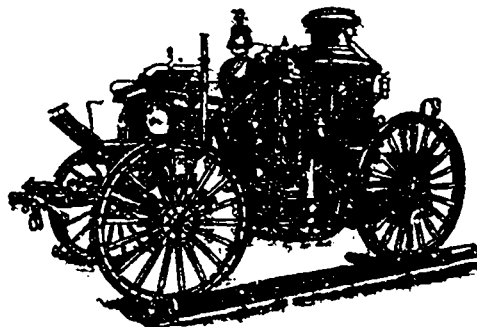


Prompt attention given all inquiries. All goods built to order.

Long Distance
 Phones 636 and 624

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.

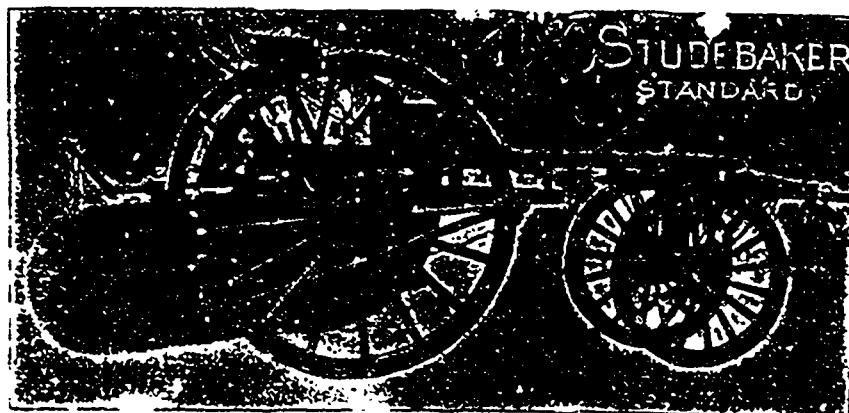
BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

IN THREE SIZES—10, 12 and 15 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, Mfr., London, Ont

Patent Improved **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 wear than any other sweeper made. It is free from unnecessary complications. With reasonable care it does not get out of order. Send for complete descriptive catalogue

connection with Amos Tipling's flax mill at Wingham, Ont.—Methodist church at Manotick, Ont.—Saw mill of Geo. Tennant at Bracebridge, Ont.; insurance \$2,000.—Sash and door factory of James York at Chesterville, Ont.; loss \$50,000, no insurance.—Presbyterian manse at Kintyre, Ont.; loss \$60,000, no insurance.—Saw mill of John Cooper at Wallaceburg, Ont., totally destroyed.—Flour mills of John Brown at Dunnville, Ont., loss \$30,000.—Silk waist factory of Green-shields, Son & Co., 323 St. James st., Montreal, damaged to extent of \$10,000.

CONTRACTS AWARDED.

BRANDON, MAN.—Business block for Zink Bros; John Forbes, contractor.

VANCOUVER, B. C.—Addition to McClary Mfg. Co.'s warehouse: E. Cook, contractor; cost about \$10,000.

PETERBOROUGH, ONT.—Factory for J. J. Turner & Son: Gordon & Finny, contractors; brick structure, 45 x 100 feet, three storeys.

EMBRO, ONT.—Steel bridge on town line. Stratford Bridge Co. and Andrew Bain, contractors for superstructure and substructure respectively.

NEWCASTLE, N. B.—The contract for pipes, hydrants and valves for the waterworks and sewerage system has been let to the Canada Foundry Company, of Toronto.

HAMILTON, ONT.—The tender of the Hamilton & Toronto Sewer Pipe Co. has been accepted for a supply of paving brick at \$19 a thousand, 54 bricks to the square yard.

(Continued on page 8.)

The Dominion Securities

Corporation, Limited
26 King St. E., TORONTO.

Highest market prices
paid for

MUNICIPAL DEBENTURES

Please mention the CONTRACT RECORD
when answering advertisements.

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

MEM CAN SOC. C.E. AND C.E.A., ETC.
(Late City Engineer of Ottawa and Chief Engineer
of the Water Works Dept.)

CONSULTING ENGINEER and EXPERT
ROOM 27, ABERDEEN CHAMBERS,
Cor. Victoria and Adelaide Sts., TORONTO
Specialties—Water Supply and Sewerage.

Paving Granite

Granite Sets for Street Paving. — CURBING cut
to any shape order. — Fine Rich Colors for
Building and Monumental Purposes.
Quarries, St. Phillippe d'Argenteuil, P. Q.

Address all communications to

JOS. BRUNET - COTE DES NEIGES, MONTREAL

THE CRESCENT CONCRETE PAVING CO.

Contractors for all branches of
CONCRETE WORK

77 Victoria Street, TORONTO
Yards: 133-135 Wellington St. West.
Phone Main 1649.



"GERMANIA" BRAND HIGHEST CLASS PORTLAND CEMENT

McGILL UNIVERSITY TESTS, 1898:
Fineness:—residue on 100 sieve, 4.45%.
Tensile strength: neat: 7 days, 629 lb.
" " 28 " 773 lb.

—OF ALL FIRST CLASS DEALERS—



"HEIDELBERG" Brand

(formerly "Schifferdecker")

Highest Class Portland Cement.

Very finely ground.
Output 1900—one million barrels.
Used extensively in construction of the Chaudiere Dam.

... OF ALL FIRST-CLASS DEALERS

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 today, 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.

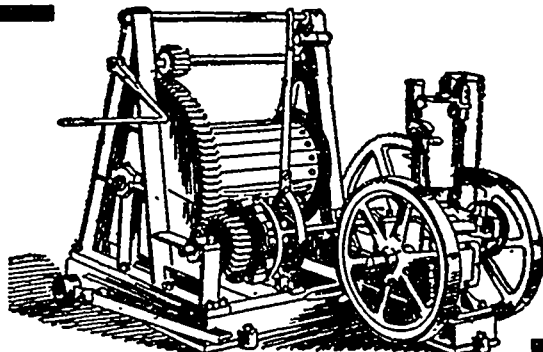


In Excavating in rock for sewers,
gas or water mains, use our

ROCK DRILLS

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

The Northey GAS AND GASOLINE HOIST



This is the latest and most up-to-date Hoist for Contractors and Builders purposes, hauling bricks, materials, timber, etc. The Plant is cheaper in first cost, more economical in running expenses, handier and more compact than the steam plant. Our Hoist is extremely portable, takes up little space and is very powerful for its size. Costs less than 5 cents per hour to operate. Needs no experienced engineer to handle, no steam to keep up, ready promptly whenever wanted. There are no bulky fuel and water supplies to arrange for, there is no danger from sparks or fire. The Engine is equipped with friction clutch to throw Engine into gear. It is built of the best obtainable materials and is fully warranted.

Send for catalogue and specifications.

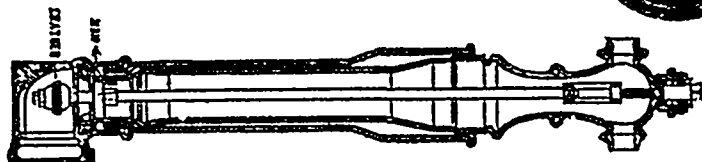
THE Northey
Company
Limited, Toronto

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



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., 1878.
CONSULTING ENGINEER
Waterworks, Sewerage and Sewage Disposal.
Municipal Improvements.
Granolithic Pavements.
Electric Light Plants.
Drainage and Irrigation o. 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., Am. Amer. Inst. H.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 1047
 { 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 Powe
Development, &c., &c.
ST. CATHARINES, ONTARIO

ROSS & HOLGATE

**Consulting and
Supervising Engineers**

Waterworks, Electric Light and Power
Plants, Structural Work, Reports,
Estimates, Arbitrations.
17 ST. JOHN ST. - - - - - MONTREAL
McKINNON BLDG. - - - - - TORONTO

PORTABLE...

Gravity Concrete Mixer

The CHEAPEST, SIMPLEST and BEST
Machine for mixing concrete ever invented.
High Grade Concrete at low cost.
E. F. DARTNELL, AGENT, 180 ST. JAMES ST., MONTREAL

M. BEATTY & SONS

WELLAND, ONT.

**Dredges, Ditchers, Derricks and
Steam Shovels**
of various styles and sizes to cut
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.

Removal Notice

THE PHOENIX BRIDGE & IRON WORKS have re-
moved to their new Works, corner of Shannon and Wellington
Streets, Montreal.

**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. B. EVANS,
38 Canada Life Bldg., TORONTO, ONT

Portland Cements...

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC
AND ARTIFICIAL STONE SIDEWALKS.

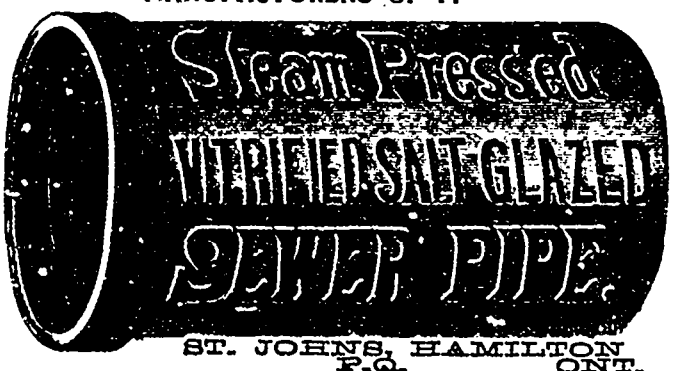
Sewer Pipes, Best English Cements. Best Belgian Cements
Culvert Pipes, &c. **W. McNALLY & CO., Montreal**

"LEHIGH"
PORTLAND CEMENT
Capacity, 4,000 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., address
J. WATTERSON & CO., or **THORN CEMENT CO.,**
45 Common St., Montreal, Que. 112-118 Church St., Buffalo, N. Y.

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.

THE CANADIAN SEWER PIPE CO.
MANUFACTURERS OF ..



- FOR -
Sewers
CULVERTS
AND
WATER PIPES.
INVERTS
for Brick Sewers
Write for Discounts
TORONTO
ONT.

ST. JOHN'S, HAMILTON
P.Q. ONT.

TORONTO, ONT.—E. J. Lennox, architect, has awarded the hardware contract for the King Edward Hotel to Yates & Towns, of New York.—York council have accepted the tender of the Dessen Bridge Co., of Windsor, for steel bridge over the Don river in East York; price \$1,250.

MONTREAL, QUE.—New wing to Hotel Dieu Hospital: A. Contant, architect; Boucher & Huberdeau, contractors. H. C. Stone, architect, has awarded contracts for new building for G. W. Stephens, 84 St. Francois Xavier street, as follows: Masonry, C. O. Lamontagne; carpentry, Jas. Shearer Co. Same architect has awarded contracts for alterations to 565 St. Paul street for W. M. Evans, as follows: Masonry, C. Dufort; carpentry, D. H. Scott.—W. E. Doran, architect, has awarded contracts for factory for C. F. Smith, on Mount Royal avenue, Delormier municipality, as follows: Masonry and brickwork, Heggie & Stewart; carpentry, Jas. Shearer Co.; roofing, Campbell & Gilday.

GUELPH, ONT.—L. C. Wideman, architect, has let the following contracts: House for Geo. Dickenson on Woolwich street:—excavating, stone and brick work, Taylor Bros.; carpentering, David Young; plastering, J. J. Mahoney; painting, Reynolds & Son; iron work, A. Rumford; heating and plumbing, R. W. Phillips; electric light wiring, Guelph Light and Power Co. Residence for Chas. Pettiford:—excavating, stone and brick work, Taylor Bros.; carpentering, Fred Darby; plastering, Peter Martin; painting, Wm. Scriven; iron work and heating, A. Rumford. Stock room and office for the Axle Works:—excavating and stone work, Shaw & Dunbar; carpenter work, Maurice Wideman; painting, Wm. Scriven.

BUSINESS NOTES.

T. B. Prophy, contractor, of Ottawa, died last week.

The dissolution is announced of Greer & Wigmore, painters, London, Ont.

P. B. Dionne & Company, contractors, Montreal, have registered partnership.

The National Cross-Ply Veneer Company, of Toronto, has been incorporated with capital of \$100,000. J. E. Davidson and E. A. Webb are provisional directors.

The dissolution is announced of Andrews, Bell & Company, of Montreal. Mr. J. B. Bell will continue business in Liverpool and Montreal in partnership with his father, Mr. Thomas Bell, formerly of the firm of Andrews, Bell & Company. The name of the new firm will be Thomas Bell, Sons & Company.

DAY LABOR vs. CONTRACT.

Very little definite statistical information is available at present, says the London Contract Journal, regarding the relative cost of day labor employed by municipalities as against work of a similar nature carried out under contract. We will leave such jobs as scavenging, etc., out of the question, and confine ourselves to operative work. Even if accurate statistics were at hand they would not help very much, as the conditions of soil, weather, fluctuations in the labor market and in the cost of material would allow of indefinite variation. It is, therefore, somewhat difficult to pronounce upon the absolute merits of one system over the other on the question of monetary profit and loss only. There are, however, sometimes very large works executed by municipal bodies which can be closely compared to similar works erected by contractors, and it may safely be laid down that it does not pay a municipality to do any large work by direct employment, while it may be more economical and save subsequent ructions if the

tenders for work are divided into two contracts—one for the principal and higher class of material to be used, and the other for labour only. This plan is also often of advantage to the contractor, as it frees him from any liability concerning the material of which he is not the maker, and in the employment of which he has sometimes to take the chance whether it turns out all right, or whether it leads him into lawsuits with both the maker and his employer. In repairs and certain small but complicated works where the public interests demand the highest class of work, municipalities may find it cheaper to employ direct labour under their engineer and surveyor, as in these cases contractors would have to include experts' professional services in their tender, while the various corporations of the United Kingdom get a good many little extra jobs out of the excellent body of men who serve on their staff. That the employment of a large body of men by a government or by corporations lead to political abuses cannot be questioned. Another objection denoted by the term, "Government stroke," is too well known to require elucidation. The argument sometimes advanced that by large employment of direct public labour a class of men whose maintenance would otherwise fall upon the public funds is made self-supporting, is hardly good enough. If they are capable of earning what they get, the threatened contingency would not arise in their case anyhow; and if they are paid more than they are worth, then it does not matter whether it is charged in the ratepayers' bill as work-house or as wages. It comes out of the same pocket, and pro'ably the roundabout way costs more than the other.

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

**Beams
Channels
Angles
Plates
etc.**

2000 Tons

For Sale By

**HAMILTON BRIDGE
WORKS COMPANY,
LIMITED.**

Hamilton, - Canada

A. E. AMES & CO.

BANKERS.
18 King Street East, TORONTO.

Buy and Sell

**GOVERNMENT, RAILROAD and
MUNICIPAL SECURITIES.**

SEND FOR STOCK LIST...

Long Distance Telephone 630

Portland Cement..

HIGHEST GRADE

SOLE AGENTS—



Largest Makers in the World.

BELLHOUSE, DILLON & Co.

30 St. Francois Xavier Street,

MONTREAL

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

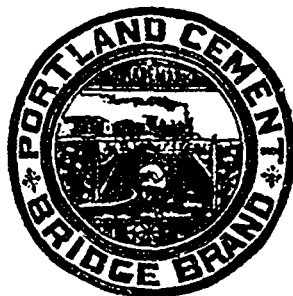
**PORTLAND
CEMENT**

NORTH'S CONDOR

Paving and Fire Brick a Specialty

"DYCKBERHOFF" and "WHITE CROSS" Brands

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



PORTLAND CEMENT

Sewer Pipes

Fire Bricks

Fire Clay

ALEX. BREMNER

50 Bleury Street, MONTREAL





HYDRANTS

CANADA FOUNDRY COMPANY LIMITED

Waterworks Supplies

OF ALL DESCRIPTIONS

Cast Iron Pipe
Valves, Valve Boxes
Elbows, Tees, Specials of all kinds

SEND FOR BULLETIN NO. 7



Head Office and Works

TORONTO, ONT.

District Offices : MONTREAL HALIFAX OTTAWA VANCOUVER WINNIPEG ROSSLAND VICTORIA

THOMAS J. DRUMMOND,
President.

JAMES T. McCALL,
Secretary-Treasurer

C. HD. GUDWILL,
Vice-President



MONTREAL PIPE FOUNDRY CO. Limited

*Special Castings, Flange Pipe, Branches
Hydrants, Valves, Valve Boxes, and
General Water Works Supplies*

Cast Iron Pipe

Combined Daily Capacity :
175 TONS PIPES and CASTINGS.

WORKS AT

LACHINE, Quebec THREE RIVERS, Quebec LONDONDERRY, Nova Scotia

HEAD OFFICE

Canada Life Building,
Montreal, Que.

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

THE GARTSHORE-THOMSON PIPE & FOUNDRY CO. LIMITED.

Manufacturer 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.

