

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF PUBLIC WORKS AND 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. 12. NOVEMBER 27, 1901 No. 43.

THE CANADIAN CONTRACT RECORD,
 PUBLISHED EVERY WEDNESDAY
 As an Intermediate Edition of the "Canadian Architect and Builder."
 Subscription price of "Canadian Architect and Builder" (including "Canadian Contract Record") \$2 per annum, payable in advance.
G. H. MORTIMER PUBLISHING COMPANY
 of Toronto, Limited,
 CONFEDERATION LIFE BUILDING, TORONTO
 Telephone 2362.
 Branch Office:
Imperial Building, Montreal.
 Telephone Main 2290.
 Advertising Rates on application.

WANTED—A SECOND-HAND FIRE ESCAPE suitable for three story brick building.
 JOHN ROBINSON, Niagara Falls, Ont.

Railway Material for Sale.
 Consisting of about four miles of track, (20 lb. rails), 1 Porter Locomotive, 1 Snow Plough, 1 Hand Car, and 35 small cars, all 30 gauge, suitable for lumbering, mining, etc. Also a Steel Bridge, 3 spans of 125 feet, and one span of 150 feet—suitable for highway bridges. All in good order. For particulars apply to **BACON BROS., 377 St. Paul, Montreal.**

Notice to Contractors
 Combined Traffic and Railway Bridge for Fraser River, at New Westminster, British Columbia, Canada.

SEALED, SEPARATE OR WHOLE TENDERS, properly superscribed, as the case may be, "Tender for Substructure, Fraser River Bridge," "Tender for Superstructure, Fraser River Bridge," "Tender for Fraser River Bridge," will be received by the undersigned up to and including 8th day of January, 1902, for the manufacture, erection and completion of the bridge in accordance with the drawings and specifications to be seen on application at the Lands and Works Department, Victoria, B. C., at the Government Office, New Westminster, B. C., and at the office of Messrs. Waddell and Hedrick, Consulting Engineers, New Nelson Building, Kansas City, Mo., on and after the 5th day of December, 1901.
 Intending tenderers upon application at any of the above named offices may obtain upon payment of ten (\$10) dollars, copies of drawings and specifications for either substructure or superstructure, or twenty (\$20) dollars for both.
 Each tender must be made out on the form supplied, and must be accompanied by an accepted bank cheque or certificate of deposit on a chartered bank of Canada or National Bank of the United States, made payable to the undersigned, or by gold, in the sum of five (\$5,000) dollars, which will be forfeited if the party tendering decline to enter into contract when called upon to do so.
 The cheques or cash deposit, as the case may be, of unsuccessful tenderer will be returned when contract is awarded.
 The agreement on the form of tender to furnish a bond for \$50,000, or equivalent satisfactory security, for the due fulfilment of the work, must be signed by the tenderer and his sureties.
 The Department is not bound to accept the lowest or any tender.
W. S. CORE,
 Deputy Commissioner of Lands and Works,
 Lands and Works Department,
 Victoria, B. C., 2nd November, 1901.

TENDERS
 Will be received until **TUESDAY, DECEMBER 3rd,** for the
Masonry and Carpentry
 of a Residence on Crescent Road. No tender necessarily accepted.
GORDON & HELLIWELL, Architects,
 Confederation Life Building.

PUMPS AND WATER WHEELS FOR SALE
 1 right and 1 left hand 48 inch Leffel Water Wheel.
 2 No. 6 Rotary Pumps with large air chamber shafting, gearing and boxes complete.
 1 large Escape Valve and connecting pipes, &c.
 The above are in good condition and will be sold cheap. For further particulars apply to
J. W. SANDERS,
 Town Clerk.
 Port Hope, 25th Sept., 1901.

MUNICIPAL DEBENTURES FOR SALE.
 Debentures of the Town of Harrison are offered for sale by tender. Amount \$10,000, payable in twenty equal annual instalments of \$500.00 each payable on October 1st in each year, at Standard Bank, Harrison, first instalment on October 1st, 1902. As instalments include interest from October 1st, 1901, successful tenderer must pay in addition to amount of tender interest on \$10,000, at 4 per cent., from October 1st, 1901, to day of payment of purchase money. Amount of tender and above mentioned added interest payable at Standard Bank, Harrison, where debentures will be delivered. No tender necessarily accepted. Tenders received up to evening of December 5th, 1901. Must be addressed to the undersigned.
W. D. EBBELS, Town Treasurer,
 Harrison, Ont.
 Dated November 18th, 1901.

Notice to Builders, Etc.
 Tenders addressed to the undersigned will be received through registered post only up to noon on **THURSDAY, DECEMBER 5TH, 1901,** for the erection of a chimney at the garbage destructor in the Cattle Market.
 Plans and specifications and form of city contract may be seen and all necessary information may be obtained upon application at the office of Mr. A. R. Demson, O.A.A., 20 King street west, Toronto.
 Contents of envelopes containing tenders must be plainly marked on the outside.
 The usual conditions relating to tendering as prescribed by city by-law must be strictly complied with or the tenders will not be entertained.
 The lowest or any tender not necessarily accepted.
O. A. HOWLAND (Mayor),
 Chairman Board of Control.
 City Hall, Toronto, Nov. 25th, 1901.
 Lewis & Chatilly, plumbers, Montreal, have registered partnership.
 J. H. A. Blais, plumber and steam fitter, Montreal, is reported to have assigned, with liabilities of \$7,000.


TENDERS
 FOR
ANNUAL SUPPLIES

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, Toronto, up to noon on **Tuesday, December 3, 1901,** for the following supplies for the year ending December 31st, 1902:
 Lumber, Pit Gravel (screened and unscreened), Hardwood Lumber, Sand, Sewer Pipe, Brass and Bronze Castings, Brass Work for House Services, Coal and Wood, Lead Pipe, Stop Valves, Special Castings, Iron and Steel, Paving Brick, Hydrants, General Supplies, Wire Nails, Cedar Paving Posts, Horse Feed, etc., Cast Iron Pipe, Lubricating Oils, Lumber for W. W. Purposes, Rubber Valves, etc., Boiler Purger, Iron Valve and Stop-cock boxes.
 Contents of envelopes containing tenders must be plainly marked on the outside.
 Specifications may be seen and forms of tenders obtained at the office of the City Engineer, Toronto, on and after the 21st of November, 1901.
 A marked cheque, payable to the order of the City Treasurer, Toronto, for 1/2 per cent. of the amount tendered for, must accompany each and every tender, otherwise it will be ruled out as informal.
 The lowest of any tender not necessarily accepted.
O. A. HOWLAND (Mayor),
 Chairman Board of Control.
 Toronto, Nov. 25th, 1901.

CONTRACTS OPEN.
AUSTIN, MAN.—The Church of England are building a new church here.
DALSON, ONT.—The Methodist congregation will build a new parsonage, at a cost of \$2,000.
GRAND VIEW, MAN.—W. J. Swain has just taken tenders for installing a water supply plant.
FOREST, ONT.—It is the intention of the Grand Trunk Railway to build a new station here, to cost \$2,000.
KEARNEY, ONT.—Preparations are being made to build a new Roman Catholic church here next year.
PORT ARTHUR, ONT.—A. J. Gorrie wants tenders by 30th inst. for supply of 20,000 cedar fence posts.
NORTH BAY, ONT.—W. & G. L. Evers contemplate the erection of a sash and door factory here, at a cost of \$10,000.
PARRSBORO, N.S.—It is the intention of W. Mahoney, owner of the Hotel Cumberland, to build a large addition next spring.
MERRICKVILLE, ONT.—Plans have been completed for the new Roman Catholic church to be built here next summer.
SACKVILLE, N. B.—It is the intention of the Standard Mfg. Co. to install an electric plant for lighting their various buildings.

NELSON, B.C.—It is stated that the building of a lead refinery here is now assured, although the names of the promoters are not given.

KINGSTON, ONT.—It is the intention of the C. P. R. to immediately put the road-bed of the Kingston and Pembroke Division in first-class condition.

BANCROFT, ONT.—The Ontario Government has approved of an eight-mile extension of the Toronto, Lindsay & Pembroke Railway north from this place.

HAMPTON, N. B.—E. G. Evans, engineer of the New Brunswick Coal & Railway Co., invites tenders up to December 1st for the supply of 90,000 railway ties.

PERTH, ONT.—F. H. Cunningham of the Fisheries Department, Ottawa, has purchased a site at Christie's Lake and intends building a summer residence next year.

PETERSBURG, ONT.—A company is being organized with a capital of \$5,000 to put in a system of waterworks. John Riffer and Moses Schlabach are interested.

TILSONBURG, ONT.—A by-law has been carried by the ratepayers granting a bonus of \$10,000 to Shurley & Dietrich, of Galt, to establish a tool factory here.

DARTMOUTH, N. S.—The necessity of an improved water supply is recognized, and some action in that direction will likely be taken by the incoming council.

SUSSEX, N. B.—A committee of six citizens has been appointed to confer with the fire wardens as to the best proposition for the installation of a permanent water supply.

ST. THOMAS, ONT.—Harvey Morris, of Brooklyn, superintendent of the Wiedman Co., states that their wood-working factory at Newbury will likely be removed to this city.

LINDSAY, ONT.—The council is considering the question of permanent improvements to the streets and the purchase of the necessary road-making machinery for the purpose.

BROCKVILLE, ONT.—A conference on road improvement was held here last week between the members of the council of Leeds and Grenville and the Reeves from the various municipalities.

NANAIMO, B. C.—A new fireproof building of brick with plate glass front, will be built as an addition to the new bank block. It will be occupied by J. H. Good as a furniture show-room.

ALMONTE, ONT.—It is said that the C. P. R. will build a new station here.—A committee has been appointed by the city council to purchase the necessary supplies for the electric light plant.

MAGOG, QUE.—The ratepayers voted on a by-law on Monday last to raise \$18,000 for a fire engine and station and improvements to market grounds and electric light plant. The by-law was carried.

OWEN SOUND, ONT.—A company has been formed to purchase from Mr. McLaughlan his park and athletic grounds and to build a large summer hotel. T. M. Kirkwood, Christopher Eaton and A. D. Creasor are directors of the company.

CORNWALL, ONT.—At the last council meeting the acting mayor stated that if the plants of the Cornwall Electric Light and Gas Co. were not taken over it would be necessary at once to raise money to put in a new pumping plant for the water works.

GODERICH, ONT.—A special committee has recommended that the city

council issue debentures to pay for granolithic walks.—The engineer has recommended the purchase of two 100-light transformers and some supplies for the electric light plant.

VANCOUVER, B. C.—It is stated that McLean Bros., contractors, of this city, are interested in the construction of a new railway which will be built in the Klondike early next season. The line will be 12 miles in length and is estimated to cost \$600,000.

BROMPTON FALLS, QUE.—The Brompton Pulp & Paper Co. have now in course of construction a large dam and ground wood pulp mills, and when these are completed it is the intention to build a sulphite fibre mill. E. W. Tobin, M. P., is largely interested in the company.

HULL, QUE.—L. Z. Gauthier, architect, of Montreal, has completed plans for the new Catholic church to be built in this city. It will be a double spired stone structure, and will cost \$100,000. It is expected that the foundation and basement will be completed this winter.

MONCTON, N.B.—A meeting of the city council was held last week at which the question of an improved water supply was considered, but no definite action taken.—D. P. Kent has been engaged to bore wells near the city to provide a water supply for the Intercolonial railway.

SARNIA, ONT.—W. Kirton is organizing a company to establish a modern cold storage plant here.—C. S. Ellis has purchased a lot on College avenue and will erect a two-storey frame house thereon.—Angus Scott has purchased a lot on College avenue west on which he will build a residence.

INGERSOLL, ONT.—A by-law will be submitted to the citizens to grant a bonus of \$3,000 to the Ingersoll Metallic Mfg. Co., which contemplates the erection of a new building.—W. J. Elliott is this week taking tenders for improvements and alterations to the I. O. O. F. block on Thames street.

HALIFAX, N.S.—A company, represented by a Sydney law firm, is planning to build a Suspension bridge across the Strait of Canso, from Cape Porcupine to Port Hastings. The bridge will have a span of 1,000 feet, and is estimated to cost \$4,000,000.—A \$30,000 loan for sewer purposes will shortly be floated by the city.

NIAGARA FALLS, ONT.—Tenders are being taken for the construction of a sewer between Queen and Park street. Plans for new concrete walks for the market have been approved of by the council.—At the next council meeting a by-law will likely be introduced to raise money to increase the electric light plant, also the sum of \$15,000 for a new waterworks pump.

SYDNEY, N. B.—Angus McQuarrie purposes erecting a frame building with cement walls and galvanized iron roof.—The survey staff of the Dominion Coal Co. are now making a survey of the old Sydney and Louisburg road to the Reserve Mines, the intention being to convert it to an electric system. From the mines the line will be extended to Lingan Beach and Glace Bay.

QUEBEC, QUE.—Building permits have recently been granted as follows: L. Chouinard, building on Dalhousie street, 83 x 35 feet, cost \$6,000; Poulin & Dechene, building on Bridge street, 36 x 40 feet, cost \$3,200; T. A. Brondin, repairs to building on Beaudestreet, cost \$800.—Staveley & Staveley, architects, will receive tenders up to December 16th for building a fire station and sheds on St. Amable street, Montcalm ward.

STRATFORD, ONT.—It is said to be the intention of the Grand Trunk Railway to build a new tender shop here, to be 220 x 120 feet, of brick, with 25 feet height to the roof, estimated cost, \$15,000. The equipment will include a travelling crane for lifting tenders. Estimates have also been submitted to the management for a system of electric lighting of the shops, and it is probable that a plant will be installed.

ST. JOHN, N. B.—Members of the city council held a conference last week with George Robertson, M. P. P., and John H. Thomson, of the Imperial Dry Dock Co., regarding the proposed plans of the dry dock at this place.—The building on King Square, occupied by the Brown Paper Bag Co., has been secured by Frost & Wood, and will be remodelled.—Excavating will be started at once for a new brush factory for T. S. Simms & Co.

LONDON, ONT.—The advertisement published in last issue calling for tenders for a bituminous macadam pavement on King street, has been withdrawn for the present, but in all probability tenders for the work will again be called within two or three weeks.—Herbert Matthews, architect, is preparing plans for two new residences to be built in South London.—H. C. McBride, architect, has plans under way for a new factory on Richmond street north and for the renovation of two stores on Dundas street.—Plans are under way for a new warehouse to be built on Richmond street, near the C. P. R. office. The stores of R. Boyd & Son and Thomas Pethick on Dundas street have been secured by J. C. Woods, who will remodel them early next year.

HAMILTON, ONT.—J. G. Gauld has requested certain concessions from the city for the building of an electric railway from the city to Caledonia. John Dickinson, M. P. P., and Sheriff Middleton are directors of the company represented by Mr. Gauld.—At the next municipal elections a by-law will be submitted to the ratepayers to raise \$35,000 by the issue of debentures to complete the Catharine street and Birch avenue sewers.—The First Methodist church raised \$1,000 last Sunday towards the expense of enlarging the seating capacity.—George Smyth has taken out a building permit for alterations to 66 West Murray street, to cost \$800.—Dodge Bros., contractors, have purchased the property on the north-west corner of Mary and Robert streets and will erect thereon three modern brick dwellings.—James Jackson is about to build two brick dwellings on Kinrade avenue to cost \$1,600.—H. Morley is building two brick dwellings at the corner of John and Augusta streets, to cost \$2,000. F. J. Rastrick & Son are architects.

MONTREAL, QUE.—A statement prepared by the Road Department shows that in the eastern section of the city 1,253,590 square feet of wooden sidewalks are needed, and in the western section 865,223 square feet. The quantity of macadam required is given as 108,718 tons. The eastern section requires 204 gullies and the western section 258 gullies. The urgent repairs to streets and sidewalks would cost \$360,630, while to pave all the streets the sum of \$2,602,000 would be needed.—There is a probability of the removal of the Infantry school from St. Johns to this city. The sum of \$25,000 has been set apart by the city council for the erection of such a school in Montreal, and it is now proposed to ask the Government for a vote of \$25,000.—The sanitarium to be built by the Society for the Cure and Prevention of Tuberculosis will be located on the north

side of the Second Mountain, about a quarter of a mile from the Cote des Neiges road.—The city council has given notice of its intention to construct a sewer on Logan street, from end of existing sewer to Papineau avenue.—C. St. Jean, architect, has prepared plans for a new Catholic church to be built at Papineauville, work to commence next spring.—Building permits have been issued as follows: George Richard, two two storey houses on Chambard street, cost \$4,000 (L. Hamelin, architect and contractor); G. A. Kohl, alterations to three-storey house, 297 Pearl street, cost \$3,000 (Arthur J. Cooke, architect, Robt. Sharpe, contractor).

OTTAWA, O.T.—Fred Gelinax, Secretary Department Public Works, invites tenders up to Friday, December 20th, for installing heating apparatus in a public building at Rossland, B. C. Plans at above Department and at offices of William Henderson, Victoria, and R. W. Gregor, Rossland.—The Lake Bennett Railway Co. is applying for incorporation, to build a railway from the mouth of the Dyea river to Lake Bennett, and thence to Selkirk, on the Yukon river.—The question of building a subway on Elgin street, under the Canada Atlantic crossings, will again be taken up by the city council at an early date.—The steamer Hall, of the Ottawa Forwarding Co., will be rebuilt this winter and a steel hull put in, at a cost of \$25,000.—New steel works are to be established at the Chaudières, on property recently purchased from Mrs. Robert Young. Plans are now being made for the buildings. George C. Roe, of the Baldwin Iron Works, is interested.—The Department of Public Works is asking for tenders up to December 14th for construction of a breakwater at Ruisseau LeBlanc, Bonaventure county, Que. Plans at the post office at that place and at the office of P. Beland, Dominion Clerk of Works, Quebec. Cheque for \$2,000 to accompany each tender.—Building permits have been granted as follows: Mrs. M. McIntosh, frame dwelling, Waverley street, cost \$1,500; R. E. Foote, brick dwelling, Forth avenue, cost \$1,800; W. G. Smith, double brick veneer dwelling, Second avenue, cost \$2,500; A. E. York, brick veneer dwelling, Jane street, cost \$1,400; John Holtby, brick veneer dwelling, Lyon street, cost \$1,200.

WINNIPEG, MAN.—C. J. Brown, city clerk, is this week taking tenders for construction of asphalt and macadam pavements and granolithic walks.—The promoters of the scheme to develop the water power at Lac du Bonnet are considering the building of an electric railway from Winnipeg to that place, at a cost of about \$1,000,000. The building of a pulp mill is also spoken of. Among those interested are: H. Burkholder, of Chicago; Hunter Cooper, J. A. Anderson, and A. E. Harrison, of this city.—The Committee on Works has recommended the construction of the following pavements: Asphalt pavement on Princess street, from Pacific avenue to C.P.R. track, cost \$17,943; on Sargent avenue, from Balmoral street to Edmonton street, cost \$6,615; on Qu'Appelle avenue, from Hargrave street to Balmoral street, cost \$17,330; on Princess street, from Notre Dame to Bannatyne avenue, cost \$8,642; macadam pavements on Sargent avenue, from Balmoral to Yonge street, cost \$1,295; on Lorne street, from Austin street to Beaconsfield street, cost \$1,920; on Euclid avenue, from Point Douglas avenue to Main street, cost \$7,490. The construction of granolithic

walks on Graham avenue, cost \$3,090, and on Pacific avenue from Princess street to Isabel street, cost \$4,825, has also been recommended.—J. R. Armstrong and W. F. C. Parsons, civil engineers, have gone to Prince Albert, from where they will commence to lay out the new Canadian Northern section to Edmonton. The line between these points, a distance of 150 miles, will be commenced as early in the spring as possible.—Surveyors have completed the route of the proposed railway between Carman and Somerset.—T. L. Cooper, hydraulic engineer, of New York, was here last week inspecting the water power facilities on the Winnipeg river for Mackenzie & Mann. It is said that a power plant will be established at the confluence of the Winnipeg and Whitemouth rivers.—Work has been commenced on a residence on Balmoral street south for Rev. J. A. McClung; James Chisholm, architect.

TORONTO, ONT.—G. R. Harper, architect, 61 Yonge street arcade, wants tenders by 29th inst. for a brick dwelling on Crawford street.—Tenders are wanted at 34 Oxford street for carpentry, plastering and painting for pair of houses.—Mrs. Welsh has purchased property at the north-east corner of Queen and Fuller streets and intends erecting stores and dwelling houses thereon.—Plans have been prepared for a brick and stone summer hotel to be built by the York County Loan Co. at the corner of Queen street and Roncesvalles ave. This company have completed the purchase of the property on the east side of Roncesvalles avenue, from Queen street to High Park, with a view to widening the street to 80 feet and lowering the grade.—Material is on the ground for the erection of four residences on the corner of Roncesvalles and Fernanagh avenues.—A. R. Denison, architect, has recommended the Board of Control to call for new tenders for the new office buildings and caretaker's residence at the cattle market. The lowest tender submitted was \$12,915.—The plan of the city engineer for a sewage disposal system was considered by the civic works committee last week. The plan proposed is very extensive, involving an expenditure of \$1,700,000.—The Toronto Portland Cement Co., Limited, capital \$300,

000, has been incorporated. It is the intention to operate works in the vicinity of Dresden.—Tenders are wanted for 66 Close avenue for plastering, painting and plumbing.—It is reported that the residence to be built by Alfred Ansley in Glen Grove Park, North Toronto, will cost \$20,000.—F. J. Walsh has commenced the erection of a pair of brick dwellings on the south side of Baldwin street, near Beverly street.—The city asking for tenders up to Tuesday, December 3rd, for supplies for the year ending December 31st, 1902. These include lumber, sand, sewer pipe, brass and bronze castings, special castings, lead pipe, stop valves, paving brick, hydrants, cast iron pipe, iron valve and stop cock boxes, etc.—The city has given notice of its intention to construct the following works: Asphalt pavement on Grant street, from Queen street to Kintyre avenue, cost \$4,150; brick pavement on Shannock street, from Ossington avenue to Dove court road, cost \$6,110; cement concrete sidewalk on King street, north side, Wilson avenue to Queen street, cost \$1,109; Queen street, south side, from Ontario street to Parliament street, cost \$1,157; Delaware avenue, west side, Hepburn street to Bloor street, cost \$582; Wellington street, north side, Dors street to John street, cost \$241.—It is reported that R. MacDonald will erect large building next to the Masonic Hall on Queen street, Parkdale, which will cost about \$25,000, and will be known as the Western College of Music.—Tenders are invited by the city up to Dec. 5th for erection of a chimney for the garbage destructor at the cattle market.—Building permits have been granted as follows: Trustees of Toronto University, three storey brick and stone club building, corner Hoskove and Devonshire Place, cost \$7,000; George Farrell, pair of dwellings on Fuller street, cost \$1,000; John Carro two storey semi-detached brick and frame dwelling, 205 207 Danforth road, cost \$3,000; J. Wheeler, six semi-detached two storey residences, Smith street, cost \$8,500; S. F. Aberdeen, pair semi-detached two storey and attic brick dwellings, 342 and 344 Gladstone avenue, cost \$4,000; Charles Peart, residence on Walker avenue, near Yonge street, cost \$1,650; J. Wheeler, two storey detached

Good Roads Machinery Co. (Limited.)

JOHN CHALLEN, Manager, HAMILTON, ONT.

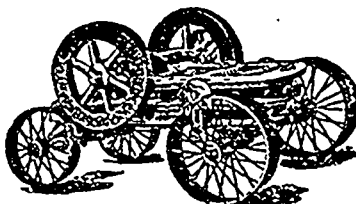
"CHAMPION" Rock Crushers, Road Rollers, Road Graders, Road Plow, Macadam Spreading Wagons, Street Mud Cleaners, Wheel & Drag Scrapers.
Now introduced in every Province of Canada. Send for Twentieth Century Catalogue.

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.



STONE Crushers, Stone Spreading Wagons, Wheelers and Drag Scrapers, Plows, Steam and Horse Rollers, Road Graders, &c.

SAWYER & MASSEY COMPANY, Limited - Hamilton, Canada

MUNICIPAL DEBENTURES BOUGHT

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

ck residence, 26 Smith st., cost \$1,600. Lada Tea Co., two storey addition to rehuse, Yonge street, near Front, to st \$5,500; George Craig, two dwell- ings, 345 and 347 St. Clarens avenue, cost 000; A. J. Henderson, pair of brick idences on Albany avenue, near Bloor eet, cost \$4,500; Jos. Wright, factory Dalhousie street, near Queen, cost 000; the trustees of Victoria College, idence for women students, on Avenue id, cost \$50,000; McLelland & Rowe, ee dwellings on Rosebury avenue, cost 000.—Hon. J. I. Tarte, Minister of ublic Works, is expected to be in the y this week to discuss the question of e improvement of Toronto harbor.

FIRES.

Buckle works of the Martin Manufactur- Co., Whitby, Ont., partially destroyed. Greenhouse of Gabriel Elliott, Wood- ck, Ont.; loss about \$3,000.—Garnie mstead at Whitby, Ont., occupied by man T. Barclay; loss \$5,000, partly ured by insurance.—Furniture factory Curry & Sons, at Windsor, N. S., dam- ed to extent of \$2,000.—Residence ar Port Colborne, Ont., owned by onard McGlash, of the Ontario Silver , totally destroyed.—General store at undall Station, Man., owned by W. D. ver; loss \$5,000.—Grain elevator at esford, Man., owned by Mr. Lindsay. Warehouse of W. & F. P. Currie, 134 Gill street, Montreal, damaged to ex- t of \$30,000.—Works of the Canadian tro-Chemical Co. at Sault Ste. Marie, t., damaged to the extent of \$25,000.— e Arlington Hotel, owned by R. H. tschman, and a summer cottage, ned by Mrs. Sinclair, at Burlington ch, Ont., completely burned; total s, \$8,000.—Rectory of the Compagnie oarbe Combustible de Quebec at ouna, Que.; loss \$10,000.

CONTRACTS AWARDED.

WINNIPEG, MAN.—The contract for sewers on Jarvis avenue and Sher- brooke and River streets has been let to Dobson & Jackson.

HAWKESBURY, N. S.—The con- tract for two mile section of Cape Bieton Railway between this place and St. Peters has been let to James G. Mc- Donald.

COLLINGWOOD, ONT.—Two tenders were received by the town treas- urer for purchase of \$347,000 debentures, that of G. A. Stimson & Co., of Toronto, being accepted. The price is a net premium of \$31.

GALT, ONT.—Tenders have been accepted as follows for erection of build- ing for the Burrows Carpet Co.: Carpen- ter work, Peter Nichol, \$1,982; stone and brick work, David Smith, \$3,194; roofing, M. Brown, of Brantford, \$215; plastering, Wm Mogg, \$60; painting, Jos. E. Mitson, \$249.

SARNIA, ONT.—Tenders have been accepted as follows for new building on West Front street for W. C. Dillon: Mason work and plastering, R. Corrick; carpenter work, Robt. Jackson; plumb- ing, A. Joss; heating, Doherty Mfg. Co.; galvanized iron work, W. J. Barrie; painting and glazing, Jis. Yard.

VANCOUVER, B. C.—Albert Adams has signed the contract for building the Carnegie library, his figure being \$40,200. The work is to be completed by October, 1902.—The contract for construction of bridge to Lulu Island has been let to Ironsides, Rannie & Campbell, of this city. There will be one span of 100 feet and four spans of 80 feet in length.

STRATFORD, ONT.—The tender of A. Ward, representing the McClary Mfg. Co., has been accepted for heat ng the manual training and domestic science building of the Collegiate Institute; price \$210. The other tenderers were: Fred Smith, for Buck & Co., Brantford, \$225; John Read & Co., for James Smart Co., Brockville, \$225.

Pumping Machinery
for all Duties

- Power Pumps
- Duplex Pumps
- Electric Pumps
- Artesian Well Pumps
- Compressed Air Pumps

We are prepared to equip municipal or other water works plants with Pumping Machinery of the latest and most approved designs. We manufacture Steam and Power Pumps of all types, for any duty. Our long experience is behind all our products. They are the standard in Canada for excellent service. Catalogues and specifications on request from The Northey Company, offices and workshops at Toronto, Ont.

We have several excellent second hand pumps in first-class condition for water works services at close prices. Send for Catalogues.

THE Northey Company Limited, Toronto

ALWAYS IN STOCK

LEAD, PIG TIN AND SOLDER

pacuse Smelting Works, Montreal, P.Q.

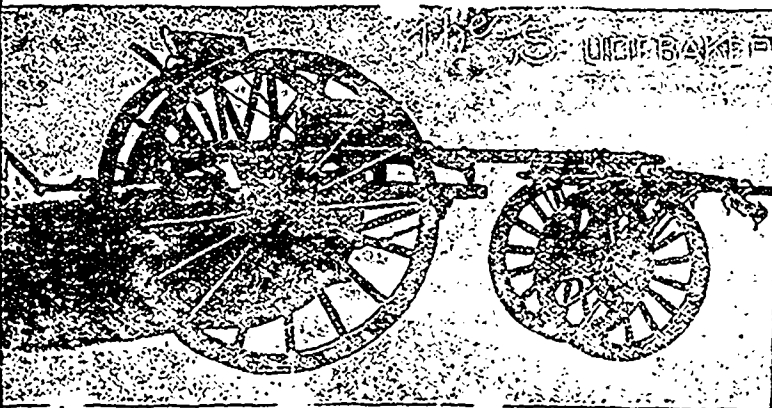
The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

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



Street Sweeping Machine is the Standard of Perfection.

It sweeps so effectually does the work for which it is designed as "The Studebaker." It keeps clean. No sweeper is constructed with the same degree of care and mechanical precision. "The Studebaker" has the smallest possible number of working parts, and has less in any other sweeper made. It is free from unnecessary complications. With reasonable care it will last for years. Send for complete descriptive catalogue.

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.

COLOUR SCHEMES WITH WOOD-WORK AS THE KEY.

BIRD'S EYE MAPLE.

Antique ivory walls, with a similar frieze and cornice; a light ivory ceiling; the upholsterings of soft light shades, and the draperies of silver grey.

CHESTNUT WOODWORK.

Orange wall, the frieze of deep yellow, toned with red and black, and paler colours for the ceiling; upholsterings should be of one prevailing general old blue; draperies old blue with orange.

SYCANORR.

Cafe au lait walls, with an ecru and copper frieze; copper, gold and ecru cornice; light ecru ceiling; warm tones of copper and gold for the upholsterings, and ivory cream and pale blue for the draperies.

YELLOWISH BROWN WOODWORK.

Dull olive or deep olive walls, with a prevailing yellow accompaniment; Indian yellow frieze, olive cornice, yellowish olive ceiling; Indian yellow and red upholsterings, and vivid Indian red and deep yellow draperies.

HAZELWOOD.

Warm old gold walls, with a frieze of quiet drab and buff; cornice of very light warm drab and old gold; light drab and gold ceiling; cardinal red, old gold and drab upholsterings, and draperies of old gold and cream.

DEEP RED WOODWORK.

Old gold walls, with a deep red frieze; cornice of old gold, deep red and gold; the ceiling of ecru and gold; upholsterings

of olive, old gold, and a little deep red, and the draperies of olive or deep red.

CEDAR WOOD.

Mulberry red walls, the frieze and cornice of lighter shades of red, and the ceiling of cream; the upholsterings of the same class of reds, olives and gold, and the draperies of old ivory.

BUTTERNUT.

Violet and yellow walls, the frieze and cornice of violet and gold; the ceiling of yellow; the upholsterings of warm green, and the draperies of old gold.

YELLOW ORANGE.

Lemon yellow walls, with a yellow orange frieze; orange, lemon yellow and gold cornice; light lemon yellow ceiling; the upholsterings of yellow orange, cardinal reds, warm browns, and a little olive or blue, the draperies being of blue and russet brown.

ASH.

Dull sage green walls, with a frieze of

sage and ochre, and the cornice of ochre; the ceiling of buff; the upholsterings of dull green picked out with red, and the draperies of ash picked out with dull sage and red.

BLACK WALNUT.

Sage green walls, golden brown frieze, ochre cornice, with a paler shade in the ceiling; sage green and brown upholsterings, and red and bronze drapery.

PLAIN WALNUT.

Wall of yellow ochre, with a frieze of olive brown, ochre and olive brown cornice; a buff ceiling; olive and red for the upholsterings, with draperies of brown, ochre, and dull blue or red.

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



**"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

"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.

The CENTRAL CANADA LOAN AND SAVINGS COMPANY

Corner King and Victoria Streets, TORONTO, Hon. Geo. A. Cox, President.

Dealers in High-Grade Government Municipal and Corporation

BONDS

A.E. AMES & CO.

BANKERS.

18 King Street East, TORONTO.

Buy and Sell

GOVERNMENT, RAILROAD and MUNICIPAL SECURITIES.

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.

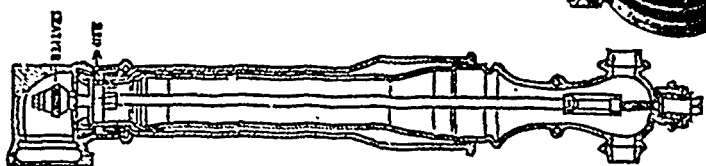
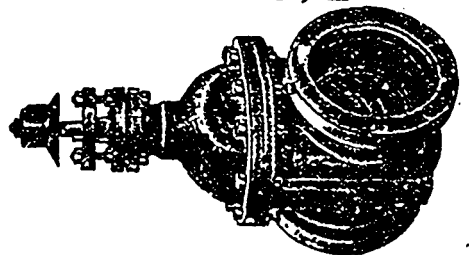
The KERR ENGINE COMPANY, Limited

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 of Land.
Coal Handling Plant and Machinery.
Plans, Specifications and Estimates.
Construction and Valuations.

Canada Life Building - TORONTO

RODERICK J. PARKE

A. M. American Institute E. E.
CONSULTING ENGINEER
Design and Superintendence of:—Electric Railroads,
Steam and Hydraulic Plants, Long Distance Power
Transmissions, Municipal Electric Lighting Systems
Welding and Electrolytic Processes.
Estimates Valuations
Reports for Financial Institutions
20-410 Temple Building, TORONTO, CANADA
Long Distance Telephone 8047

Wm. Mahlon Davis

Graduate R. M. College.
M. Can. Soc. C. E. Ont. Land Surveyor.
CONSULTING ENGINEER
—ERLIN, ONT.

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

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

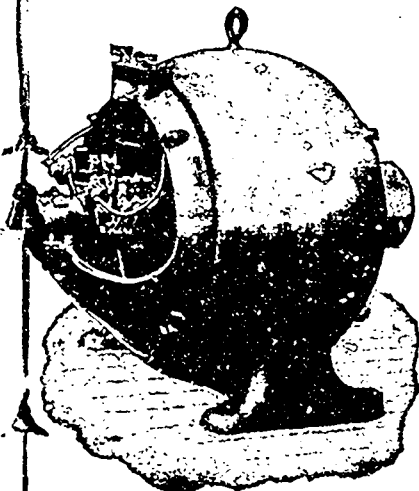
CORPORATIONS Will do well to consider our work
and prices before letting contracts

The Silica Barutic Stone Company
of Ontario, Limited.

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

NOW IS THE TIME

to make arrangements for light
during the winter



Send for Bulletin No. 819.

Head Office: Toronto, Ont.

Branches: Montreal Winnipeg Rossland
Halifax Vancouver Nelson

CANADIAN GENERAL ELECTRIC CO.
LIMITED.

THE PHOENIX BRIDGE & IRON WORKS

MANUFACTURERS OF STAY BOLTS AND ALL KINDS OF RIVETS
STEEL AND IRON STRUCTURAL AND ARCHITECTURAL WORK
Beams, Channels, Angles and
Tees always in stock. 29 to 49 McQuill Street,
P.O. Box 893. MONTREAL
Prices on Application.

**Dominion
Bridge
Co., Ltd.**

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

STEEL BRIDGES

For Railways and Highways
Piers, Trusses, Water Towers
Tanks, Buildings, Roofs, Girders,
Beams and Columns
Toronto Agent: GEO. B. EVANS,
38 Canada Life Bldg., TORONTO, ONT

**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

BRIDGES, STEEL CONSTRUCTION AND CASTINGS

Steel and Iron of every description, Shafting, Railway Supplies,
Engineers and Contractors.

Cement and Concrete Work. Sidewalk Lights.

CANADA SUPPLY CO, - Express Block, - WINDSOR, ONT.

Portland Cements...

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC
AND ARTIFICIAL STONE SIDEWALKS.

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

**W. & F. P. CURRIE & CO.
MONTREAL**

Importers of

SEWER PIPES,
CHIMNEY TOPS,
VENT LININGS,
FLUE COVERS,
FIRE BRICKS,
FIRE CLAY,
WHITING.



PORTLAND CEMENTS,
HIGH GRADE ENGLISH
B. S. & Co. "ANCHOR",
ALSO OTHER BRANDS,
PLASTER OF PARIS
BORAX,
FIRE CLAY.

**THE CANADIAN SEWER PIPE CO.
MANUFACTURERS OF ..**



- FOR -

**Sewers
CULVERTS
AND
WATER PIPES.
INVERTS
or Brick Sewers**

Write for Discount
TORONTO
ONT.

ST. JOHNS, HAMILTON
P. Q. ONT.

MUNICIPAL DEPARTMENT

THE VENTILATING AND FLUSHING OF SEWERS.

By JOHN BRYCE, M. I. C. E., BURGH ENGINEER,
PARTICK.

(Continued from last week.)

The ventilation of sewers by open gratings in the surface of the streets, which actually began about 1850, is the system still universally adopted. Recommended by Sir Robert Rawlinson, the late chief inspector of the Local Government Board, the system was readily adopted because of its simplicity, cheapness and access. The system is satisfactory enough in streets not less than about 36 ft. wide, where the sewers are laid on self-cleansing gradients, and the manways are placed at intervals of from 50 to 80 yards apart. But even under the most favourable circumstances this system cannot be said to be the final solution of the problem. It must, however, remain until another has proved itself to be eminently superior. The emanations from surface manways at certain periods of the year are very disagreeable, and occasionally very strong complaints are received by sanitary officials, and requisitions to have them removed. In some cases there are real grounds for complaint, and these should always be dealt with by every authority and official in a manner which will convince the objectors that an earnest endeavour is being made to combat the evil without increasing its intensity to others. It is no remedy, for instance, to merely close a manway grating without providing something as effective in its place. Complaints, however, are very often greatly exaggerated. To prove this, a certain burgh surveyor experimented a little on a ratepayer by putting up a vertical shaft on his property without making the actual connection to the sewer. The manway cover was supposed to be closed, but not actually carried out, so that the former conditions remained for a period. On enquiry of the duped ratepayer some time afterwards he triumphantly stated that the new ventilation was a decided improvement, and that there was now no smell of any kind.

The introduction of tall ventilating shafts at the kerb lines or attached to walls of buildings as a substitute for open gratings at the surface of the streets on an extensive scale is of comparatively recent practice. Objections to this method have been expressed by such eminent sanitarians as Sir Robert Rawlinson, Dr. Corfield, and Dr. Parkes, on the ground that the many bends necessary would impede rather than promote ventilation. Mr. Baldwin Latham, C. E., also asserts that the system during certain periods of the year would prove absolutely useless, owing to the small difference of temperature between the external and internal air, and adds that the current produced under the most favourable conditions would only affect the sewer a short dis-

tance from the shaft. Over against these objections, which seem to be more theoretical than experimental, we have to put the experience of several municipal engineers who have been able to expend public money and time in seeking to prove the truth of these assertions. Mr. E. G. Mawbey, city engineer of Leicester, and president of the Municipal Section of the Royal Institute of Public Health, stated in his address at Eastbourne six weeks ago that during the past 12 years he had made about 3,000 experiments on the system of ventilating by tall shafts, with the result that on an average he found the upward current to be from three to five times greater than the velocity of the downward current. Although these facts prove conclusively the efficiency of shaft ventilation in places where the houses are to a large extent not over 30 ft. in height, they do not prove that the results would be as effective where the buildings chiefly consist of high tenements from 50 ft. to 60 ft. in height. From a sanitary point of view the proposal to erect a series of shafts 30 ft. high along the kerb line of our streets, and where high tenements are built, would not be any improvement on the old system of street openings, as, necessarily, the outlets from the top of the shafts would be in greater proximity to the windows of sleeping apartments than before; and to suggest that shafts 50 ft. high might be attached to the front walls of houses has so many difficulties and objections connected with it, that we

must put the proposal aside until a better solution is arrived at.

Although this association does not lay itself out to discuss questions of art and architecture, still it might be said that one objection to the adoption of a system of tall shafts on public streets would be the effect on the general appearance of our streets. What with tramway standards, electric lighting standards, and gas lamps, the resemblance of many thoroughfares is not unlike that of a shipyard; and surely this aspect of the question ought to be considered before adopting a system of this kind. The idea of the utilising of untrapped side gullies as a means of ventilating sewers is adopted in several places, the idea being that the side grating would act as an additional inlet for fresh air, while the street grating acted as an additional outlet for the sewer air. This system is the one adopted in Partick by my predecessor, the late Mr. Potts; but whether the comparative absence of complaints in the burgh is due to the untrapping of the side gullies, or to the comparatively good gradients in most of the sewers, has yet to be proved. Presently I am endeavouring to carry out a series of tests with the anemometer to prove whether the side gratings act as inlets simultaneously with an outward current from the manways, or vice versa.

(To be continued.)

DEBENTURES

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

G. A. STIMSON & CO.

Investment Dealers
14 and 16 King St. W. TORONTO

Lyons Electric Co - Brantford, Ont.

Contractors, Specialists, General Supplies.
Close Figures on High Class Work.

Portland Cement..

HIGHEST GRADE

SOLE AGENTS—



BELLHOUSE, DILLON & Co.

30 St. Francois Xavier Street,

MONTREAL

Largest Makers in the World.

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

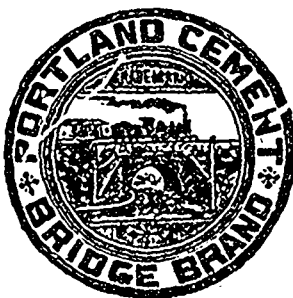
Sole Agents for the Compagnie Generale des Asphaltes de France (Rock Asphalt.)

PORTLAND 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



PORTLAND CEMENT

Sewer Pipes

Fire Bricks

Fire Clay

ALEX. BREMNER

50 Bleury Street, MONTREAL



Canada Foundry Company, Limited.

Engineers, Founders and Machinists.

STRUCTURAL STEEL AND IRON WORK

BEAMS, CHANNELS, ANGLES AND PLATES
ALWAYS IN STOCK.



GAS AND WATERWORKS SUPPLIES


Cast Iron Gas and Water Pipe,
Valves, Hydrants, Valve Boxes
Special Castings of Every Description.

OFFICE AND WORKS: . . . 35 BERKLEY STREET, TORONTO.

THOMSON, BRETTING AND CO. JAMES L. SCOTT C. ED. GUDWILL
Vice-President 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: MACHINE, QUE. Combined duty capacity:
THREE RIVERS, QUE. 175 Tons Pipes and Castings.
LONDONDERRY, N.S.

1100 DE LA PEPINE 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.

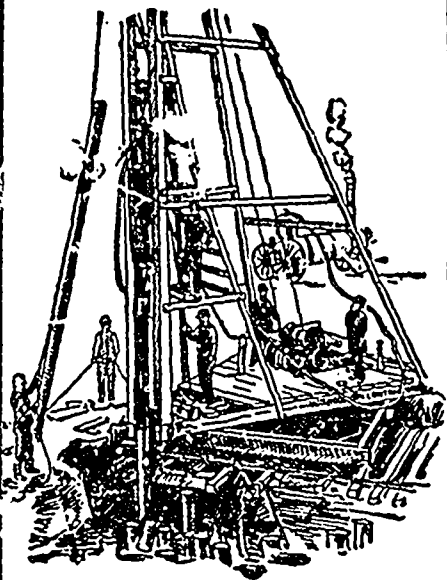
Manufacturer of:::

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



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

Prices of Building Materials.

MILTON PRESSED BRICK, Per M.

	F.O.B. Milton, Ont.	F.O.B. Montreal.
Red No. 1.....	\$12 50	\$18 00
" 2.....	10 50	16 00
" 3.....	8 50	14 00
Buff No. 1.....	13 00	20 00
" 2.....	13 00	18 50
Brown.....	20 00	25 50
Roman Red.....	30 00	30 50
" Buff.....	30 00	33 50
" Brown.....	35 00	40 50
Hard Building.....	6 50	12 00
" Sewers.....	6 50	12 00
" Backing.....	6 00	11 50

DON VALLEY PRESSED BRICK WORKS.

No. 1, 2 and 3, Red Pressed Bricks.....	
No. 1 and 2, Buff Pressed Bricks.....	
No. 1 Brown Pressed Bricks.....	
Pompeian Red, Buff and Brown Pressed Bricks	
Ornamental Bricks of all kinds for Mantel pur-	
poses.....	
Porous Terra Cotta Bricks for lining.....	
Vitrified Street-paving Bricks.....	
Semi-Vitrified Foundation Bricks.....	
Common Stock Red and Grey Bricks.....	
Sewer Bricks.....	
Stone for Macadamized Roadways.....	

Please write to head office, 27, Toronto st., Toronto, for catalogue and prices.

TORONTO PRESSED BRICK AND TERRA COTTA WORKS

	F.O.B. Milton, Ont.	F.O.B. Montreal.
Red No. 1.....	12 50	18 00
" 2.....	10 50	16 00
" 3.....	8 50	14 00
Buff No. 1.....	15 00	20 00
" 2.....	13 00	18 50
Brown.....	20 00	25 50
Roman Red.....	30 00	30 50
" Buff.....	30 00	33 50
" Brown.....	35 00	40 50
Hard Building.....	6 50	12 00
" Sewers.....	6 50	12 00
" Backing.....	6 00	11 50
Moulded and Ornaments from 12.00 to 15.00 per 100.		
Terra Cotta String Courses and Finials, from 50c. to \$2.00 per ft. run.		
Roofing Tiles, \$20.00 per 1,000, \$23.00 Montreal.		

BEAMSVILLE BRICK AND TERRA COTTA CO.

	F.O.B. Beamsville	F.O.B. Montreal.
Red Peerless Facing.....	\$15 00	\$10 50
" No. 1.....	13 00	18 50
" No. 2.....	11 00	16 50
" No. 3.....	8 50	14 00
Brown Peerless Facing.....	20 00	25 50
No. 1.....	18 00	23 50

Third Edition

Canadian Contractors' Hand-Book

A revised edition of the Canadian Contractors' Hand-Book is now in preparation, and will be published about December 1st.

Place your orders now.

C. H. Mortimer Publishing Company,
of Toronto, Limited,

Confederation Life Building, Toronto.

	Beamsville-Montreal	Toronto, Montreal
Buff Peerless.....	20 00	25 50
" No. 1.....	18 00	23 50
" No. 2.....	15 00	20 50
Moulded and Ornamental Bricks from \$3 to \$10 per C		
Roman Red (Size 12 x 4 x 2 1/2 in.).....	28 00	33 50
" Buff.....	23 00	28 50
" Brown.....	34 00	39 50
Vitrified Pavin, Brick No. 1.....	18 00	23 50
" No. 2.....	15 00	20 50
Sewer.....	6 50	12 00
Roofing Tile.....	22 00	26 00

STONE.

	Toronto.	Montreal.
Common Rubble, per tonse, delivered.....	12 00	11 00
Large flat Rubble, per tonse, delivered.....	14 00	14 00
Foundation Blocks, per cu. ft. Granite (Stanstead) Ashlar, 6 in. to 22 in., rise 0 in., per ft. Amherst Red Sandstone Amherst, N.S., per cub. ft. Jackville, N.B., brown stone Masillon.....	30	30 00
Stanstead granite paving blocks, 8 in. x 22 in. x 5 in. 2 1/4 in. per M.	50 00	
Granite cutting stone, 6 in. x 20 in. per lineal foot.....	70	
Best of the Olivine Freest ne. Olive Sandstone (Indian town, N.B.) Brown (Sackville, N.B.).....	85	85
Most red sandstone, per cu. ft. Black Parture buff stone, per cu. ft. Nova Scotia blue grey, per cu. ft.	50 65	80 65

F.O.B. HALLTAX.

Dimension stock granite for building purposes, per cubic foot.....	\$0 45
Do., for polishing purposes, up to 2 tons weight, per cubic foot.....	1 00
Paving sets, per thousand block....	60 00

CREDIT VALLEY STONE.

Rubble, per ton.....	50
Brown Coursing, up to 10 per sq. yard.....	3 00
Brown Dimension, per cu. ft.....	65
Grey Coursing, per sq. yard.....	1 25
Grey Dimension, per cu. ft.	45

F.O.B. QUARRIES.

Exterior wearing body.....	\$1 50
Exterior rubbing.....	3 50
Elasto ia.....	3 50
Ivory frame line.....	5 00
Crysalis.....	4 50
Yachina.....	3 00
Architectural Coach.....	8 50
Granite Floor finish.....	8 50
Architectura. flating.....	8 00

	Toronto.	Montreal
Roofing (9 squares).....	17 50	20 00
" red.....		
" purple.....	2 50	10 00
" ding green.....	8 50	7 00
" black.....	7 50	8 00
Terra Cotta Tile, per sq.....	20 00	25 00
Ornamental Black Slate Roofing.....	8 80	6 80

CEMENT, LIME, etc.

	Toronto.	Montreal.
Portland Cements -		
" Josson Brand Portland.....	3 05	3 25
North's "Condor".....	3 05	3 10
Alsen's (German).....	3 00	3 15
" Karlstadt" (German).....	3 85	3 05
English, artificial, per bbl.....	3 85	3 00
Belgian natural, per bbl.....	2 75	3 15
Rathbun's Star, per bbl.....	3 20	3 50
Beaver,.....	3 20	3 50
Esquis,.....	3 90	3 30
Ontario,.....	1 50	
Roman,.....		3 30
Parian,.....	5 25	5 25
Koene Superfine "Whites".....	1 00	12 00
Keene's Coarse "Whites".....	28 00	8 50
Ravel's Belgian, 95 lb. bbl.....	3 35	3 45
Levie Bros.,.....	3 45	3 52
Fire Bricks, Newcastle, per M.....	30 00	35 00
" Scotch.....	37 00	35 00
Lime, 100 lbs., Grey.....	30	
" White.....	35	30
Plaster, Calcined, N. B.....	8 00	1 50
" N. S.....	8 00	1 10
Hair, Fasteners, per bag.....	80	2 00

ARCHITECTURAL VARNISHES.

THE IMPERIAL VARNISH AND COLOR CO., LIMITED.
(Highest grade)

	Per gal. cans.	Per gal. cans.	Per gal. cans.	Per gal. cans.	Per gal. cans.	Per gal. cans.
Exterior wearing body.....	\$1 50	\$5 25	\$5 85	\$6 20	\$6 60	\$6 60
Exterior rubbing.....	3 50	3 75	3 85	4 20	4 60	4 60
Elasto ia.....	3 50	3 75	3 85	4 20	4 60	4 60
Ivory frame line.....	5 00	5 25	5 35	5 70	6 10	6 10
Crysalis.....	4 50	4 75	4 85	5 20	5 60	5 60
Yachina.....	3 00	3 25	3 35	3 70	4 10	4 10
Architectural Coach.....	8 50	8 75	8 85	9 20	9 60	9 60
Granite Floor finish.....	8 50	8 75	8 85	9 20	9 60	9 60
Architectura. flating.....	8 00	8 25	8 35	8 70	9 10	9 10