

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.

MARCH 12, 1902

No. 6

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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

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

G. H. MORTIMER PUBLISHING COMPANY
of Toronto, Limited,
CONFEDERATION LIFE BUILDING, TORONTO
Telephone 2362.
Branch Office:
Imperial Building, Montreal,
Telephone Main 2296.
Advertising Rates on application.

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

SEALED TENDERS

Addressed to the undersigned, will be received up to noon on WEDNESDAY, MARCH THE 12TH, for all trades required in the erection of a pair of semi-detached Houses on the west side of Spadina Avenue, north of College Street. Plans and specifications may be seen at the offices of the architects. The lowest or any tenders not necessarily accepted.

GOVINOLOCK & BAKER, Architects,
714 Temple Building, Toronto.

SEALED TENDERS

Will be received up to noon on MONDAY, MARCH THE 17TH, for Masonry, Plastering, Carpentry, Tinsmithing, Roofing, Painting and Glazing, and Constructional Steel Work required in the erection of an

Apartment Building in University Ave., Toronto.

Plans and specifications may be seen and tender form procured at the offices of the architects, to whom tenders are to be addressed. The lowest or any tenders not necessarily accepted.

GOVINOLOCK & BAKER, Architects,
714 Temple Building, Toronto.

London Water Works.

Sealed tenders will be received at the Water Works Office, London, Ont., up to 4 p. m. MONDAY, MARCH 17TH, for furnishing and erecting of

Two Turbine Water Wheels,
Two Duplex Power Pumps,

of a capacity of 3,000,000 gals., Imperial, in twenty-four hours, against a head of two hundred and forty feet.

Further information may be obtained at Moore & Henry's office, Albion Building, London, Ont.

Lowest or any tender not necessarily accepted.
WM. JONES, Chairman.
JOHN M. MOORE, Engineer and Supt.



Notice to Contractors

Tenders For Garbage Destructor,

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on

TUESDAY, MARCH 18th, 1902,

for the erection of a garbage destructor at Toronto Island.

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

The general specification may be seen and forms of tender obtained at the office of the City Engineer.

Parties tendering will be required to furnish complete plans and specifications, and a deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 2 1/2 per cent on the value of the work tendered for, must accompany each tender otherwise they will not be entertained.

Tenders must bear the bona fide signatures of the contractor and his sureties, or they will be ruled out as informed.

The lowest or any tender not necessarily accepted.

O A HOWLAND (Mayor),
Chairman Board of Control.
City Hall, Toronto, March 8th, 1902.



Industrial Exhibition

TO CONTRACTORS, ETC.

TENDERS FOR NEW DAIRY BUILDING

Tenders, addressed to the undersigned, will be received through registered post only, up to noon on

Wednesday, March 19th, 1902,

for the various works required in the erection and completion of

A New Dairy Building

on the Toronto Exhibition Grounds. Plans and specifications can be seen and all information, together with form of tender, obtained at the office of Gregg & Gregg, Architects, 94 King street west, Toronto.

Tenders must be accompanied by a marked cheque, payable to the order of the City Treasurer, or a cash deposit, equal to five per cent on tenders up to \$1,000, and two and one-half per cent on tenders over that amount.

Should any party whose tender is accepted fail to execute the necessary contract and bond, and give satisfactory security for the due fulfilment of the contract, the deposit accompanying the tender will be forfeited to the city.

The lowest or any tender not necessarily accepted.

The deposits of unsuccessful tenderers will be returned.

OLIVER A. HOWLAND, (Mayor),
Chairman Board of Control.
City Hall, Toronto, March 8th, 1902.

TENDERS

Are called for the erection of a Stone or Concrete Bridge on Campbell Street, Lucknow, 39 feet long, 16 feet span, 10 feet from water surface toward level. One Arch. Plans and specifications to be seen or procured at my office. Tenders opened 1st TUESDAY IN APRIL.

HUGH MORRISON,
Clerk.



Sealed tenders, addressed to the undersigned, and endorsed "Tenders for Custom House, Halifax, N. S." will be received at this office until THURSDAY, 20th MARCH next, inclusively, for the construction of a Custom House at Halifax, N. S.

Plans and specifications can be seen and form of tender obtained at this Department, and at the office of C. E. W. Dodwell, Esq., resident engineer, Halifax, N. S.

Persons tendering are notified that tenders will not be considered unless made on the form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted check on a chartered bank, made payable to the order of the Hon. the Minister of Public Works, equal to ten per cent (10 p.c.) of the amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,

FRED. GELINAS.

Secretary.

Department of Public Works, Ottawa, 24th February, 1902.

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

CONTRACT OPEN.

KINGSVILLE, ONT. — George Grenville will erect a fine residence.

DARLINGFORD, MAN. — A new Methodist church will be built here.

ROSSLAND, B. C. — The building of a new Catholic church is proposed.

WESTPORT, ONT. — The corporation is considering the construction of granolithic walks.

GODERICH, ONT. — Charles Humber, jr., purposes building a two-storey brick residence.

SYDNEY, N.S. — The Board of School Commissioners are considering the erection of a new school.

ALMONTE, ONT. — The town clerk has been instructed to place municipal debentures on the market.

LINDSAY, ONT. — A resolution has been introduced in council to erect a new eight-room school building.

SHERBROOKE, QUE. — It is said that D. McManamy intends building another structure this spring.

CAVENDISH, P. E. I.—A new Baptist church, cost about \$2,000, will be built here this summer.

RONDEAU, ONT.—The Lake Erie & Detroit River Railway Co. will build a coal hoist here, to cost \$50,000.

COLLINGWOOD, ONT.—W. J. Baudry has purchased two lots on which he will build a residence this year.

GRANBY, QUE.—The by-law granting a loan to the Granby Sanitary Supply Co. was carried by the ratepayers.

HUNTSVILLE, ONT.—Robert McLaughlin, proprietor of the Dominion Hotel, proposes erecting a new hotel.

CANNINGTON, ONT.—Tenders are being taken for supply of stone for new Cowan block to be built this summer.

COATICOOK, QUE.—The directors of the Eastern Township Bank are considering the erection of a new building here.

HAMILTON, ONT.—W. Bowerman has been granted a building permit for two brick cottages on Homewood avenue to cost \$2,400.

TILBURY, ONT.—P. Langlois, parish priest, wants tenders by 18th inst. for heating St. Francis church and vestry by steam.

VICTORIA, B. C.—Deville & Sons will build a residence and grocery store on the corner of the George road and Couglas street.

CARLETON PLACE, ONT.—The School Board have decided to have plans prepared at once for a new school in Stanley ward.

WINDSOR MILLS, QUE.—The announcement has been made that the Canada Paper Co. will rebuild the paper mill recently burned.

PORT ELGIN, ONT.—The by-law to assist the Dominion Harness Co. by way of a bonus to establish a factory here was carried last week.

MIMICO, ONT.—Dr. Godfrey, Douglas Davidson and Mr. Harris, manager of the Mimico Sewer Pipe Co., will build residences this spring.

QUEBEC, QUE.—A deputation from this city interviewed the Dominion Government last week and asked for extensive harbor improvements.

AMHERSTBURG, ONT.—J. A. Carswell, architect, of Chatham, is preparing plans for improvements to the Wilkinson premises at this place.

YORKTON, N. W. T.—John A. M. Patrick, of this place, invites bids up to 22nd inst. for purchase of \$600 debentures of the Mennofeldt school district.

PORT DOVER, ONT.—Tenders close 15th inst. for the placing of a waterworks system in the court house and jail at Simcoe. Address W. H. Ansles, this place.

BANFF, N. W. T.—Tenders close 15th inst. for building large addition to C. P. R. hotel here. Particulars from H. J. Cambie, Division Engineer, Vancouver, B. C.

HINTONBURG, ONT.—An addition will likely be built to the separate school.—The council will be asked to furnish the fire brigade with three 16-foot fire ladders.

ESQUIMALT, B. C.—T. Woodgate, of H. M. Naval Yard, will receive tenders up to 17th inst. for erection of steel and iron building, 328 feet wide, to be used as a coal store.

GIBSON, N. B.—About 2,000,000 feet of timber will be required for the new Government wharf at Caraquet for which Simmons & Burpee have the contract.

KEMPTVILLE, ONT.—A. S. Bowen & Sons have purchased a tract of land at

Burrill's Rapids and intend establishing a plant there and transmitting electric power to this village.

BERLIN, ONT.—The council will request the postmaster-General to place an illuminated clock in the tower of the post office when the proposed improvements are being made.

EGLINGTON, ONT.—The township council has instructed the engineer to call for tenders for a new steel bridge over the Don.—Mr. Gadsby proposes to erect two houses on south side of Sherwood avenue.

KINMOUNT, ONT.—J. R. Mark, secretary school trustees of Union school section No. 3, invites tenders up to Monday, 31st inst., for erection of school in this village. Plans by W. H. White, architect, Lindsay.

GUELPH, ONT.—The Ontario Government is reported to have secured an option on 11 acres of land to the north of of the Agricultural College, to be used as a site for the MacDonald School of Domestic Science.

SYDNEY MINES, N. S.—Graham Fraser, manager of the Nova Scotia Steel & Coal Co., announced on Saturday last that the company had finally decided to locate the proposed glass furnaces at this place.

WINDSOR, ONT.—J. A. Nelles, of Hamilton, has asked the council for a franchise for the Windsor, Essex and Lake Shore Railway which is to enter this city. The power house will be located at Kingsville.

SAULT STE. MARIE, ONT.—Philip Jenkins, A. Templeton and Fred Anstey will each build residences.—A site is said to have been decided upon by the Dominion Government for proposed post office in this town.

DELORLAINE, MAN.—On behalf of the School Board, D. L. Livingstone is asking for tenders up to 22nd inst. for erection of six room brick school building, with stone basement, from plans by C. H. Wheeler, architect, Winnipeg.

OSHAWA, ONT.—A vote of the electors will be taken on March 28th on a by-law to raise the sum of \$150,000 for the construction of waterworks and sewerage systems for the town. Particulars from Thomas Morris, town clerk.

ST. THOMAS, ONT.—The city will likely purchase road-making machinery.—James A. Bell, county engineer, is asking for tenders up to the 17th inst. for erection of concrete superstructures for the Walker and Muncey bridges over the river Thames.

ST. JOHN, N. B.—Mr. Peter, city engineer, has prepared plans of the proposed harbor improvements at this place.—The St. John Iron Foundry Co. has been formed for the purpose of erecting new buildings and carrying on the foundry business of the Everett Foundry.

CARMAN, MAN.—Tenders for the erection of a new eight-room stone and brick school are invited by Thomas Bruce, secretary-treasurer, up to April 1st; Smead-Dowd system of heating. Plans at office of C. H. Wheeler, architect, Winnipeg, and Thomas Bruce, of this place.

KINGSTON, ONT.—The subscription list for the Grant memorial hall in connection with Queen's University has reached \$26,000.—A. K. Kirkpatrick, city engineer, will receive tenders up to noon of 13th inst. for the annual supply of sewer pipe, hardware, pine plank and cedar sleepers.

FORT WILLIAM, ONT.—The C. P. R. has decided to increase its elevator capacity at this place to 9,000,000 bushels. The proposed extension will involve an expenditure of

about \$1,000,000. The specifications will call for steel work. Extensions in the yard trackage and improved dock accommodation are also contemplated.

VANCOUVER, B. C.—Dalton & Eveleigh, architects, have taken tenders on residence for G. L. Betts.—Plans of the proposed works to be carried out in connection with extension of Keefer street have been deposited with the Minister of Public Works, Ottawa.—The Canadian Pacific Railway Company have taken tenders on the building of a two-storey hotel at Emerald Lake.

BROCKVILLE, ONT.—C. H. Fitzsimmons, chairman Board of Works, invites tenders up to 20th inst. for the following street material: Macadam, pine and cedar lumber, glazed sewer pipe, Portland cement, spikes and nails.—A deputation from the counties of Leeds, Grenville and Lanark asked the Dominion Government last week to rebuild the Andrewsville bridge.

RAT PORTAGE, ONT.—The town is asking the Legislature for power to improve the waterworks system and buy out the electric light company.—A company is being formed for the purpose of constructing an electric railway from this town to the English river, a distance of 40 miles.—Mr. Carmichael is having plans prepared for a new building, with store on ground floor.

HULL, QUE.—The Finance Committee has been authorized to prepare by-laws to raise \$30,000 by the issue of debentures to meet debentures falling due in May, and \$46,000 to complete the work on the waterworks, pump house and city hall.—The plans of Charles Brodeur, architect, for a new registry office have been accepted. They call for a two-storey brick structure, 34 x 41 feet, cost \$5,000.

PORT ARTHUR, ONT.—Fred W. White, architect, wants tenders by 17th inst. for erection of surgery and office for Dr. G. W. Brown.—Tenders will be invited shortly for a large separate school to cost about \$10,000.—The contract will likely be awarded this week for the extension of the Canadian Northern passenger dock, which is to be extended 400 feet and a large freight shed built thereon. Plans have also been prepared for extensive improvements to No. 5 dock.

TORONTO JUNCTION, ONT.—Owen Bonham intends building two dwelling houses, corner Herbert street and Mulock avenue.—The Gurney Foundry Co., of Toronto, have purchased a site on which it is proposed to erect a building to cost \$40,000.—The Comfort Soap Co. will enlarge their plant here.—Mr. Fearson will build several residences this spring.—Fred Rumball, of the C. P. R., will build a residence on Cawthra avenue, and Archibald McKinnon will build on Gilmore avenue.—Two houses will be built on Midland street by Mr. Rhodes.

WINNIPEG, MAN.—A. E. Fulljames wants tenders for the supply of 2,000,000 first quality pine lath.—Mr. McCreary, M. P., made a strong appeal in the Dominion Parliament last week for better post office accommodation for this city.—Mayor Arbutnot and City Engineer Ruttan went to Ottawa last week in connection with an application of the C. P. R. before the Parliament for a subway under the tracks at Main street. The council desires a subway the full width of the street.—The congregation of Rosh Pena Jewish synagogue have decided to erect a two-storey school house.—S. Hooper, architect, has prepared plans for the new St. Mary's academy building, to be built south of the Maryland street bridge, to be five stories, with a frontage of 150 feet, and two wings, each 100 feet in length; estimated cost, \$80,000.—The new Pres-

byterian church to be built at the corner of Portage avenue and Spence street, for which tenders are being taken, will be 75 x 125 feet, with cut stone trimmings, cost \$40,000.—James Chisholm, architect, is this week taking tenders for additions and alterations to Young church on Furby street.—George Browne, architect, invites bids up to the 21st inst. for erection of a stone and brick residential building, corner Main street and Broadway.

OTTAWA, ONT.—Plans are said to have been completed by New York architects for the new hotel to be built by the syndicate represented by McLeod Stewart, and it is expected that work will be commenced in April.—N. J. Kerr, city engineer, desires tenders by noon today (Wednesday) for construction of 22-inch tile pipe sewer on Louisa street.—James Pearson and J. H. Denton, of Toronto, have applied to the Dominion Government for a charter to build the Nipissing and Ottawa Railway from South-East Bay, on Lake Nipissing, to the Ottawa river, near the Opemicon river.—Immediate steps are to be taken by the congregation of Christ church cathedral to build a memorial hall to the late Dean Lauder. Particulars from Rev. Mr. Kittson.—It is understood that a Catholic church will be erected on Elgin street, to relieve the overcrowding in St. Patrick's church.—Improvements to McKay Presbyterian church are under consideration.—It is probable that the Dominion Government will purchase additional fire apparatus for the Ottawa Fire Department.—Building permits have been granted as follows: Duncan Brown, double brick veneer dwellings, First avenue, cost \$3,500; Mrs. Anne Walsh, two brick veneer dwellings, Lisgar street, cost \$1,300; the Brown Estate, three brick dwellings, Maria street, cost \$5,000; St. Germain & Black, brick veneer dwelling, Waverley street, cost \$2,500; William Thompson, brick veneer dwelling, Flora street, cost \$1,200; John E. Fudge, brick dwelling, Fourth avenue, cost \$1,400; McKinley & Northwood, brick veneer dwelling, First avenue, cost \$4,500; Frank W. Hudson, brick veneer dwelling, Frank street, cost \$1,500.

MONTREAL, ONT.—Plans have been submitted to the Parks Committee by H. G. Louch for a new observatory tower on the mountain.—It is probable that the members of the Montreal Stock exchange will erect a building of their own at an early date.—The amalgamation of the Grand Trunk Literary and Scientific Institute and the Pointe Ste. Charles Railway Young Men's Christian Association is under consideration, and if effected a new and costly building will likely be erected.—Work on the rebuilding of St. Mary's church, corner Craig and Panet streets, will be started as soon as possible.—The James McCready Boot and Shoe Co. have purchased property on Messier and Fullum streets on which it is proposed to erect a new factory during the coming summer.—The annual meeting of the Midland Railway Co. will be held at Halifax this week. Montreal capitalists are interested, and it is understood that there is a project on foot for the extension of the railway from Windsor to Middleton.—It is probable that steps will be taken at an early date to construct a large water main from St. Sulphite street to McGill University.—The site selected for the new Olivet Baptist church is at the corner of Dor-

chester and Guy streets.—The Shawinigan Water & Power Co. is said to have completed arrangements for the transmission of power from Shawinigan Falls to this city. Aluminum wire will be used.—Henry Goldmark is said to have been engaged by the Canadian Pacific Railway to prepare plans for the new car and locomotive works in the east end. Mr. Goldmark has recently been employed by the Swift Packing Co., of Chicago.—The city council on Monday last voted to erect a new civic hospital for contagious diseases.—Building permits have been granted as follows: Mrs. T. Langevin, three-storey house, 51 St. Ignace street, cost \$2,000 (C. E. Lucas, architect, Albert Lucas, contractor); Miss B. Hurtubise, alterations to five-storey house and store, Jacques Cartier Square, cost \$2,500 (L. R. Montbriand, architect); N. Jobin, three-storey house, 222 Panet street, cost \$3,600 (T. Benard, contractor); A. J. Higgins, two-storey house and store, St. Catherine street, cost \$2,000 (W. E. Doran, architect, J. B. Gratton, contractor); Joseph Daniel, three-storey house, Massue street, cost \$2,000; Mrs. D. Robert, alterations to two and a half storey house and store, Notre Dame street, cost \$1,150; David Yule, two-storey house and store, corner Guy and St. Catherine streets, cost \$1,500; Odilon Dinells, house on Frontenac street, cost

\$1,500; John Hughes, alterations to one storey house and store, 945 St. Lawrence street, cost \$1,800; J. H. Nault, three-storey residence, 2471 Notre Dame street, cost \$3,000 (Bernier & Brodeur, architects); Joseph Boenen, two-storey house, Massue street, cost \$1,000; Mrs. L. N. Brault, alterations to one-storey house and store, corner St. Louis Square and St. Denis streets, cost \$1,200; Sisters of Hope, alterations to three-storey house, 11 Sherbrooke street, cost \$5,000.

TORONTO, ONT.—In this issue new tenders are invited for the construction of the dairy building on the exhibition grounds, to be built of lath and plaster or of concrete.—It is understood that plans have been accepted for improvements and additions to St. Michael's college. It is the intention to entirely rebuild that portion of the building between the main entrance hall and the new study hall, to be one storey and a half higher than at present and of white brick. The cost will be about \$80,000.—Darling & Pearson, architects, are preparing plans for the proposed building for the medical faculty of Toronto University. It will be situated between the library and biological building and will be two storeys in height in front, and because of the ravine, four storeys in the rear. There will be two towers. The cost will be about \$125,000.—It is re-

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

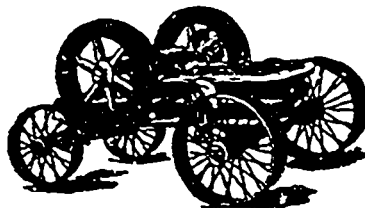
MONTREAL

McGREGOR & McINTYRE 65 to 78 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. SEE CATALOGUE ON APPLICATION

SAWYER & MASSEY COMPANY, Limited - Hamilton, Canada

MUNICIPAL DEBENTURES BOUGHT

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

ported that A. E. Ames has decided upon the erection of a large and expensive office building on the south-east corner of King and Jordan streets.—The Toronto Mortgage Co. will rebuild and remodel the Union Loan Building on Toronto street, which was damaged by fire last week.—William Harris & Co. have purchased the plant of the Toronto Cold Storage Co., and intend putting it in first-class shape.—The city is asking for tenders up to 19th inst. for dredging slips in the harbor.—The Public School Board have decided to install a new system of heating in Harbord street school, at a cost of \$4,000.—The Separate School Board will immediately call for new tenders for the erection of a four-roomed school at the corner of Close avenue and King street.—Superintendent Atkinson, of the Broadview Boys' Institute, has announced that the Institute has purchased the Smith Estate on Broadview avenue, on which stands a large residence, which is to be converted into a club house.—F. H. Herbert, architect, is asking for tenders up to 5 p. m. to-day (Wednesday) for carpenter work in connection with new boiler house and addition to stock factory for the Menzie Mfg. Co.—The city council has given notice of its intention to construct concrete sidewalks on the east side of Bathurst street, from King to Adelaide, cost \$989, and on north side of Elm street, from Terauley to Centre, cost \$682.—William Armstrong, grocer, 784 Yonge street, has purchased the two brick stores on the north-west corner of Yonge street and Yorkville avenue, and will remodel the building.—The Montreal River Pulp and Paper Co. has been granted a pulp concession by the Ontario Government and will construct a pulp mill on the Montreal river near Pembroke.—The city invites tenders up to 19th inst. for erection of a new dairy building on the Toronto Exhibition grounds, and up to 18th inst. for erection of a garbage destructor on Toronto Island. Plans of dairy building at office of Gregg & Gregg, architects, 94 King street west.—Gouinlock & Baker, architects, invites tenders in this issue, up to the 24th inst., for erection of a large apartment building on University avenue,

and up to 19th inst. for erection of pair of semi-detached houses on Spadina avenue.—The city is asking for tenders up to the 18th inst. for construction of concrete and brick sidewalks and asphalt, macadam, tar macadam, cedar block and brick pavements.—Building permits have been granted as follows: John Meldrum, detached two-storey brick dwelling, west

side St. Clarens avenue, near College street, cost \$1,500; Caleb Evans, two-storey and attic brick dwelling, north side Bloor street, near St. George, cost \$6,000 (G. M. Miller & Co., architects, W. J. Bailey, builder); W. H. Thompson, two attached two-storey brick dwellings, 36-38 Macpherson avenue west, cost \$5,000 (W. H. Bradley, architect, Thompson

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

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

MANUFACTURER OF

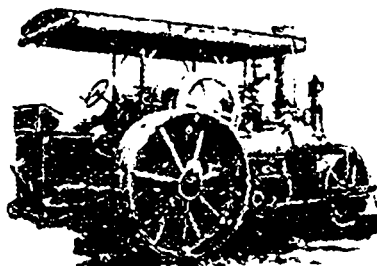
RUABAN BLUE VITRIFIED GOODS, IMPERISHABLE BLUE AND BUFF PAVING CLINKERS

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 4½ x 3) has been used extensively for paving Quebec streets.

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

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.

RAILS FOR SALE

BEST ENGLISH MAKE—VERY LITTLE USED.

200 tons	56 lbs.	Steel Relaying rails	} Including Plates and New Bolts.
2300 "	60 "	" " " " " "	

SUBJECT TO INSPECTION. DELIVERY F.O.B. MONTREAL.

ASK FOR SAMPLE SECTION OF RAILS.

L. H. GAUDRY, 101 St. John St., Quebec

Bros., builders); A. McGregor, two-story and attic dwelling, 242 St. Clarens avenue, cost \$3,000 (W. H. Bradley, architect); Alexander Manning, additional storey to warehouse, 74 Front street east, cost \$1,500 (J. A. Harvey, architect); Walter J. Chubb, two-storey and attic brick store and dwelling, 380 Manning avenue, cost \$4,000, (F. H. Herbert, architect, Robert Clayton, builder).

CONTRACTS AWARDED.

KAMLOOPS, B.C.—Drill hall for Dominion Government; D. H. Campbell, contractor.

MONTREAL, QUE.—Fire hose: Canadian Rubber Co., successful tenderers at 86 cents a foot.

LEVIS, QUE.—Dussault & Lemieux, of this city, have secured the contract for construction of permanent lighthouse at Lower Traverse.

ST. BONIFACE, MAN.—Wing, 100 x 60 feet, to St. Boniface College; Phil. Burnett, contractor. Addition will be brick and stone, four storeys, cost \$20,000.

SHERBROOKE, QUE.—Rebuilding Sherbrooke House: D.G. Loomis & Sons, contractors. There will be a large quantity of plate glass, improved plumbing and heating, hardwood finish, cost \$40,000.

OTTAWA, ONT.—The council has decided to build the contagious diseases' hospital on the Rondeau Park site. The successful tenderers for the building are: Mason and brick work, G. A. Crain, \$13,200; carpentering, Holtby & Shearer, \$11,395; plumbing, McKinley & Northwood, \$8,393; plastering, Jas. McLaughlin, \$2,076; painting and glazing, W. J. Carson; electric wiring and lighting, O'Reilly & Murphy, \$307.

TORONTO, ONT.—Contracts were last week awarded as follows for new main building for Toronto exhibition: Masonry, Self Bros., \$33,755; carpentering, A. D. Coleman, \$17,750; tinsmith

work, Metallic Shingle and Siding Co., \$14,800; roofing, W. D. Hutson & Son, \$794; painting and glazing, H. W. Johnston, \$3,479; structural steel and iron work, Canada Foundry Co., \$2,400 lathing and plastering, Dancy Bros. Co., \$2,302; plumbing, James Sherlock, \$2,050; electric wiring, Gee Electrical Engineering Co., \$500. —Tenders were opened last week for 31 sections of concrete sidewalks; Stamsen & Blome, of Chicago, were the lowest tenderers for 19 of these, the city engineer for 10, Gardner & Co. for one, and W. F. Grant Co. for one. For pavements contracts were let by the Board of Control last week as follows: Asphalt pavements—Markham street, from 759 feet south of College to Arthur, Barber Asphalt Co., \$5,200, and Cottingham street, Avenue road to Rathnally avenue, \$3,939. Brick pavements—Pearl street, from York street to 633 feet east, J. McGuire, \$3,999; Carlton street, Sumach street to 359 feet east, J. McBean, \$2,520; Waterloo avenue, Gladstone to Dufferin, City Engineer, \$2,320; concrete pavement—Lane south of King street, from Church street to west end, Harvard & Leach, \$795; cedar block pavement—Bulwer street, Soho to Spadina, W. F. Grant & Co., \$1,032; Soho street, Queen to Phoebe, City Engineer, \$775; macadam roadways—Breadalbane street, Yonge to St. Vincent, City Engineer, \$1,120; Davenport road, Hazelton to Avenue road, Constructing & Paving Co., \$2,159; stone curbing—York street, King to Queen, City Engineer, straight, 60c per foot; circular, 82c per foot.—Purdy, Mansell & Co., this city, have secured contract for heating physical and biological

laboratory at the Ontario Agricultural College, Guelph, and for plumbing and heating of the Collegiate Institute at Cobourg.—The successful tenderer for dredging in Toronto harbor is the new contracting firm of W. C. Mackendry and Aemilius Jarvis.

The Dominion Securities Corporation, Limited

26 King St. E., TORONTO.

Highest market prices paid for

MUNICIPAL DEBENTURES

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

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

ALWAYS IN STOCK

PIG LEAD, PIG TIN AND SOLDER

Syracuse Smelting Works, Montreal, P. Q.

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

Will do well to consider our work and prices before letting contracts
The Silica Baritic Stone Company of Ontario, Limited.

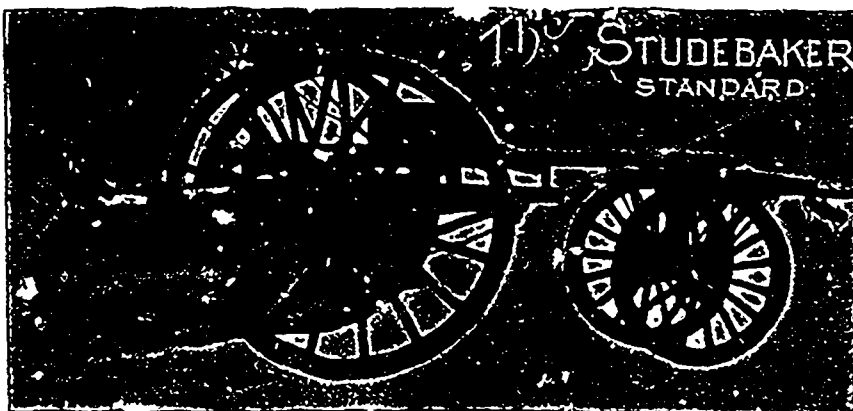
WALTER MILLS, General Manager. Head office: INGERBOLL, ONT

The Canadian Portland Cement Company, Limited

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

WORKS: Strathcona, Ont.; Marlbank, Ont. CAPACITY: 500,000 Barrels per Annum

THE RATHBUN COMPANY 310-312 Front Street West Toronto, Ont. Telephone Main 1370.
St. Lawrence Portland Cement Co. 266 1/2 Notre Dame Street West MONTREAL, QUE. Telephone Main 3987.



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

Stockpiles **Street Sweeping Machine** is the Standard of Perfection.

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

Geo. Heaman, Mgr., London, Ont

DOMINION GOVERNMENT

ESTIMATES.

(Concluded.)

Prince Edward Island.—Canoe Cove, breakwater, \$1,500; Cuscumpee Harbour, closing opening through beach, \$2,000; creosoted timber for general repairs to wharfs, piers and breakwaters, \$2,000; Georgetown pier, works of reconstruction and repairs, \$4,500; general repairs to piers and breakwaters, \$6,000; New London, repairs to breakwater, etc., \$2,750; Souris, Knight's Point, strengthening of breakwater, etc., \$20,000; Summerside Harbour, breakwater, \$35,000; Wood Islands, south breakwater extension, \$2,000.

New Brunswick.—Bay du Vin, to complete re-construction of wharf, \$4,000; Black Brook, (Logieville), wharf, \$1,000; Cape Tormentine, repairs to breakwater, etc., \$15,000; Caraquet, wharf, \$20,000; Chance Harbour, breakwater, \$4,000; Clifton, (Stonehaven), breakwater, \$2,500; Dipper Harbour, breakwater, \$3,250; Dorchester, (Cole's Point), breakwater, \$25,000; Grand Anse, extension and repairs to breakwater, \$9,000; Hopewell Cape, new wharf, \$16,500; Mispeq Harbour, breakwater at mouth of, \$6,000; Point Wolfe, breakwater, \$2,000; Richibucto, reconstruction of north pier and groynes, etc., \$20,000; River St. John, including tributaries, \$16,000; River St. John, wharf at Oromocto, \$1,500; St. John Harbor, Negro Point breakwater, \$20,000; Shippegan Harbour, extension and repairs to protection works, \$2,000; Upper Salmon river, (Alma pier), \$5,700.

Quebec.—Amherst, Magdalen Islands, breakwater at Point Shea, \$4,000; Cotcau Landing, dredging, \$8,500; Bic pier at Pointe à Cote, \$1,500; Father Point, landing pier, \$25,000; Grande Vallee, pier, \$25,000; Greece's Point, wharf, \$2,000; general repairs and improvements to harbour and bridge works, \$15,000; Hudson, wharf, \$1,000; Isle aux Coudres, addition to wharf, \$6,000; Isle aux Grues, repairs to wharf on south side, \$3,500; Lake St. John wharfs, repairs, \$2,500; Lake Temiscamie, improvements, \$10,000; Levis graving dock, travelling crane, etc., \$5,000; Le Tableau, wharf on river Saguenay, \$2,000; Lotbiniere, addition to isolated block, \$2,500; Lower St. Lawrence, removal of rocks, etc., \$3,000; Magdalen Islands breakwater, \$5,000; Murray Bay, increasing height of wharf and extending same, \$6,000; Newport breakwater, \$8,000; Perce, (North Cove) wharf, \$6,000; Pointe aux Esquimaux wharf, head block, \$1,500; Pointe St. Pierre breakwater, \$5,000; Ruisseau Leblanc breakwater, \$10,000; Riviere aux Renards pier, \$4,000; Riviere St. Maurice, channel between Grandes Piles and La Tuque, \$8,000; Riviere St. Maurice, dredging, \$6,000; St. Alexis, Baie des Ha! Ha! pier, \$4,000; St. Jerome, (Lake St. John) wharf, \$2,500; St. Laurent, repairs to pier, \$8,000; St. Nicholas, strengthening and rebuilding parts of pier damaged by ice, \$5,200; Sorel, deep water wharf, \$170,000; Temiscouata Lake, landing piers, \$1,200; Three Rivers Harbour, additional deep water wharfs, \$50,000; Valleyfield, dredging channel in Valleyfield Bay, etc., \$4,000.

The annual meeting of the Association of Ontario Land Surveyors will be held in the Parliament Buildings, Toronto, on March 18th, 19th and 20th.

Flush Your Sewers with

THE MILLER AUTOMATIC SYPHON

(Patented)

Received HIGHEST AWARD at the World's

Columbian Exposition for

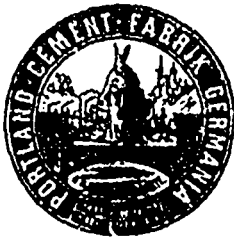
- (1) SIMPLICITY OF CONSTRUCTION,
(2) EFFECTIVENESS, (3) RELIABILITY.

Write for prices and particulars.

VICTOR HILL,

General Agent,

P. O. BOX 245, NIAGARA FALLS.



"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 the 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.

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

The KERR ENGINE COMPANY, Limited

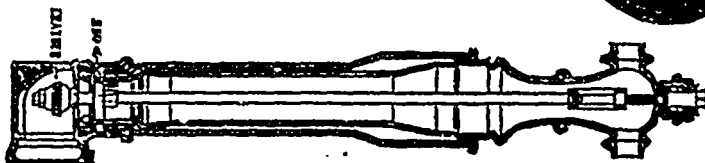
PUMPING MACHINERY

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. N. Am. Soc. C.E.
Mein. 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

Am. Can. Soc. C.E., Am. Amer. Inst. E.E.

CONSULTING ENGINEER

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

409-410 Temple Building, TORONTO, CANADA

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

Wm. Mahlon Davis

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

CONSULTING ENGINEER

BERLIN, ONT

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

W. G. McNeill Thompson

CONSULTING ENGINEER

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

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

ST. CATHARINES, ONTARIO

ROSS & HOLGATE

**Consulting and
Supervising Engineers**

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

ST. JOHN ST. - - - MONTREAL
KINNON BLDG. - - - TORONTO

PORTABLE...

Gravity Concrete Mixer

The CHEAPEST, SIMPLEST and BEST
Machine for mixing concrete ever invented.
High Grade Concrete at low cost.

DARTWELL, AGENT, 180 ST. JAMES ST., MONTREAL

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,
Lifting Power Hoisters, Gang Stone Saws,
Centrifugal Pumps for Water, Sand and
Silt Mining, and other Contractors'
Machinery.

Removal Notice

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

**Drminion
Bridge
Co., Ltd.**

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

STEEL BRIDGES

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

Toronto Agent: GEO. E. EVANS,
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

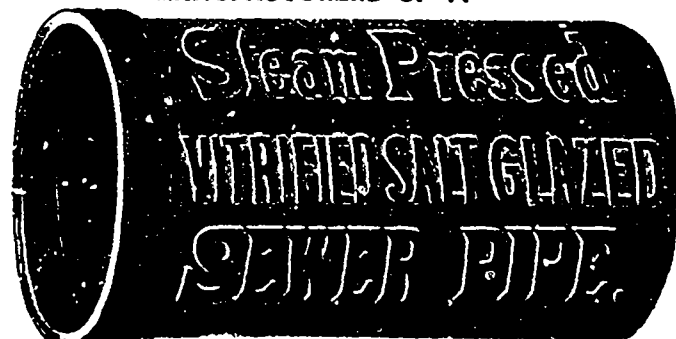
BORAX,

CHINA CLAY.



THE CANADIAN SEWER PIPE CO.

MANUFACTURERS OF ..



ST. JOHNS, HAMILTON
P. Q. ONT.

- FOR -
Sewers

CULVERTS

AND

WATER PIPES.

INVERTS

for Brick Sewers

Write for Discount
TORONTO
ONT.

**MUNICIPAL
DEPARTMENT**

IL IN STREET CONSTRUCTION

(Continued from last week.)

After the oil is put on, in any of these instances, some appliance for mixing the oil and loose road materials is run over the surface backwards and forwards until a thorough mixing is accomplished. If the road surface is very loose, a common steel lever harrow, with the teeth slanted back, is useful. This may be dragged to and fro longitudinally along the road, and back and forth spirally across the road, until a thorough mixing is secured. On firmer roads and where there is little loose covering, a lighter implement, with numerous dragging fingers suspended from an axle, is better.

All this has reference mainly to roads that have never been oiled before. When it comes to oiling a road the second, third, and later seasons, the operation is somewhat different. Should the oiled surface be cut through in places, and chuck-holes formed, (but there will be very few holes if the road has been properly looked after,) we go over these in the manner previously noted for repairing chuck-holes; and then apply a dressing of oil to the whole surface: just enough to saturate the loose material and secure a very slight penetration into the old oiled surface. Here I will call attention to a danger we may fall into, that of putting too much oil on the smooth hard oiled surface we have previously obtained, softening it, and putting it in condition to rut up, especially under heavy loads. We may in this way lose a part of the results of the previous year's work. I made this mistake on the road last summer, so can speak from experience. But enough oil should be put on to cover the entire surface as with a thin sheet. Then there will be a surplus of oil, and the road if left without further attention, would be sticky and very unpleasant to travel over, for a considerable time after the application. We therefore follow this application on hard smooth roads that have previously been oiled, with a sprinkling of sand, using fine gravel and sharp sand, such as builders use in their mortars. This takes up the surplus oil and adds to the wearing surface, and renders the road at once comfortable to travel over. The sand soon becomes incorporated with the rest of the road material, and packs down smooth and hard. The quantity of sand put on is just sufficient to take up the surplus oil, and no more.

We frequently use this sanding process also when applying oil for the first time to a hard smooth road. We have used it on a macadamised road in which the surface was too tight to absorb the oil, and obtained excellent results. It is useful also where oil is applied to a tight adobe or other clay road. With the oil and sand a wearing surface may be built up on the clay and be made to last, while without the sand, the oil has a tendency to ball up with the clay dust and carry off. We

heretofore have been doing this sanding by drawing the sand in wagons alongside the oiled surface, where two men to the load throw it out with shovels, the shovels being given the proper twist to cause the sand to fall on the surface in a thin sheet. I have now designed a machine that does this work much more evenly and at less cost. It runs on its own wheels and may be hooked on to the side of any waggon. The waggon is driven alongside of the oiled surface, while the machine runs on it, but its wheels travel on the sheet of sand which falls immediately in front of them. Two men shovel from the waggon into the hopper of the machine, and the latter grinds out the sand in a sheet of any required thickness from 1/8 inch up.

In oiling a road, whether for the first time or subsequent to previous oiling, we find it most convenient and satisfactory for carrying on the work, and to the travelling public, to fix up one side of the road at a time, keeping the travel on the other side; when the side operated on is finished (oiled, sanded, etc.), we turn the travel on that side, while the other part is worked. In this way, with the plan we now have of finishing an oiled road we have but little complaint from those travelling it.

An oiled road should be kept in repair. If properly looked after and the repairs are made at the right time, the cost is light. Wherever and whenever the oiled surface cuts through and a hole commences to form, the repair man should

start out with oil, sand and shovel, hoe and rake. He should scrape out the hole, run in the oil, and mix it with sand and the material taken out of the hole, until the latter is filled and slightly heaped up. The sand and other material should be thoroughly mixed with the oil to the point of saturation, just short of being sticky. One advantage of sand for this purpose is that, besides packing down and wearing well, it will hold more oil without being sticky than any other material. For winter repairing, when the weather is cold and rains frequent, a pile of sand already mixed with oil is very convenient to have on hand. Then if there are depressions in your oiled road where the rain water stands, and where in consequence the oiled layer is liable to be cut through and mudholes formed, take occasion when these depressions are dry to fill them up with this oiled sand, so that the water will be shed from the surface. If your oiled road is in such shape that the water will drain off its surface, soon after a rain, it will take care of itself in the winter time and go through in fine shape. But if there are depressions and catch-basins in the surface, holding the water until it evaporates, with constant travel over it, you are liable to have trouble, as with any other road under similar conditions.

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

A. E. AMES & CO.
BANKERS.
118 KING STREET EAST, TORONTO.
Buy and Sell
GOVERNMENT, RAILROAD and
MUNICIPAL SECURITIES.

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 CEMENT NORTH' 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.

C. D. GUDWILL
V. P. E.

Montreal Pipe Foundry Co., Limited

Special Castings
Flange Pipe
Branches
Hydrants
Valves



CAST IRON PIPE

Valve Boxes
and
general
Water
Works
Supplies

Works at: LACHINE, QUEBEC Combined daily capacity:
THREE RIVERS, QUEBEC 150 Tons Pipes and Castings.
LONDONDERRY, ONT.

HEAD OFFICE: CANADA LIFE BUILDING MONTREAL

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

THE GARTSHORE-THOMSON PIPE & FOUNDRY CO. LIMITED.

Manufacturer of:::

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

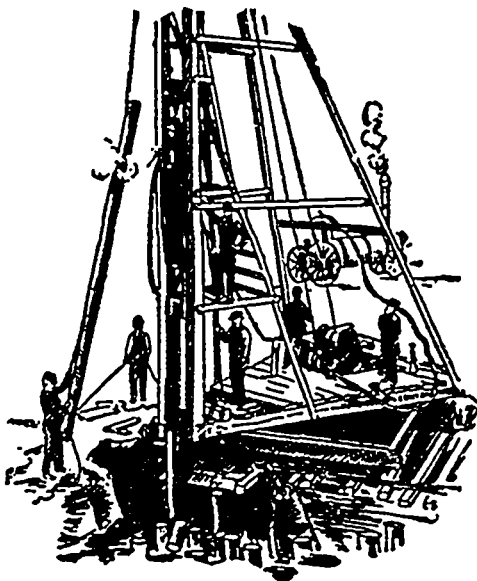


3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

HAMILTON ONT.

INDEX TO ADVERTISEMENTS



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.

PRESSED BRICK, Per M.

Table listing prices for Milton Pressed Brick and Sewer Pipe Co. products, including Red No. 1, Buff No. 1, Brown, Roman Red, Hard Building, and Sewer bricks.

DON VALLEY PRESSED BRICK WORKS.

Table listing prices for Don Valley Pressed Brick Works products, including No. 1 and 2 Red Pressed Bricks, Buff No. 1, Brown, Roman Red, Hard Building, and Sewer bricks.

TORONTO PRESSED BRICK AND TERRA COTTA WORKS

Table listing prices for Toronto Pressed Brick and Terra Cotta Works products, including Red No. 1, Buff No. 1, Brown, Roman Red, Hard Building, and Sewer bricks.

BEAMSVILLE BRICK AND TERRA COTTA CO.

Table listing prices for Beamsville Brick and Terra Cotta Co. products, including Red Peerless Facing, Buff No. 1, Brown, Roman Red, Hard Building, and Sewer bricks.

Large index table listing various construction materials and services such as Architects, Contractors' Plant and Machinery, Mantles, Grates, Reflectors, Roofing Materials, Hash Cord, Stained and Decorative Glass, Shingles and Siding, Metallic Roofing Co., etc.

Table listing prices for Beamsville, Montreal, including Red No. 1, Buff No. 1, Brown, Roman Red, and Verified Paving Brick.

STONE.

Table listing prices for various types of stone, including Common Rubble, Large flat Rubble, Foundation Blocks, Granite, and Sandstone.

F.O.B. MONTREAL.

Table listing prices for F.O.B. Montreal products, including Dimension stock granite, Do. for polishing, and Paving sets.

CREDIT VALLEY STONE.

Table listing prices for Credit Valley Stone products, including Rubble, Brown Coarse, Brown Dimension, and Grey Coarse.

Table listing prices for Slate, including Roofing (per square) and various types of slate.

ORIENT, LIME, etc

Table listing prices for Portland Cement, including Joson Brand, North's, Alsen's, and various other brands.

ARCHITECTURAL VARNISHES.

Table listing prices for Architectural Varnishes, including Exterior, Interior, Ivory, and various other types.