

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. 14.

OCTOBER 14, 1903

No. 35.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Architect and Builder.

Subscription Price, \$2 per annum, payable in advance.

THE C. H. MORTIMER PUBLISHING COMPANY
of Toronto, Limited,
CONFEDERATION LIFE BUILDING, TORONTO.
Telephone Main 2362.

Branch Offices:
Imperial Building, Montreal,
Telephone Main 2297.

London, England.

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.

TENDERS FOR DEBENTURES

Tenders will be received at the Village Clerk's Office, Southampton, Ontario, for the purchase of Waterworks Debentures for the sum of \$5,650 and School Debentures for the sum of \$5,000, each to be repaid by thirty equal annual instalments and interest, at four per cent. per annum payable half yearly.

JAMES HOWE, Clerk.

DEBENTURES FOR SALE

Town of Waterloo.

Tenders will be received by the undersigned up to 6 o'clock p. m., on MONDAY, OCTOBER 17TH, 1903, for the following debentures of the Town of Waterloo—\$5000 payable in 20 annual instalments, interest 4½ per cent.

A. B. McBRIDE,

Town Clerk.

TENDERS FOR DEBENTURES

Sealed tenders will be received at City Clerk's Office, Fredericton, up to 12th OCTOBER, NEXT, for \$15,000.00 City of Fredericton Electric Light Debentures. The said Debentures are in sums of \$500.00 each, payable in thirty years from date of issue (15th October A. D. 1903) at 4 per cent. interest per annum, with coupons for interest payable semi-annually, at the City Treasurer's Office, Fredericton, and are issued under authority of Act of New Brunswick Legislature 3 Edward VII, Cap. 49. No tender necessarily accepted.

Dated this 17th September, A. D. 1903.

By order of the City Council.

CHAS. W. BECKWITH, City Clerk.

T. W. Nagle and Walter Mills have entered into partnership as general contractors at Ingersoll, Ont., with a capital of \$50,000.

CONTRACTS OPEN.

BURFORD, ONT.—Allan Muir intends building a brick bank.

CLINTON, ONT. — J. T. Tisdale purposes building a red brick block.

ALEXANDRIA, ONT.—A. L. Smith wants tenders by 15th inst. for \$3,644 local improvement debentures of the town.

MARMORA, ONT.—The foundation is being put in for a new Catholic church here.

UXBRIDGE, ONT. — The Grand Trunk Railway have decided to build a new station here.

ST. MARY'S, ONT.—A new station will likely be built here by the Grand Trunk Railway.

GALT, ONT.—Plans are being prepared for a new collegiate institute building to cost \$30,000.

EXETER, ONT.—S. Rowe has purchased property on which to erect a brick dwelling next spring.

BILLINGS BRIDGE, ONT. — A. Bell, architect, is preparing plans for a vault in the township hall.

FORT FRANCES, ONT.—Tenders have just been taken by C. J. Holland for erection of Anglican church.

RENFREW, ONT.—Bids received by J. K. Rochester, clerk, up to 23rd inst. for \$3,058.73 town debentures.

GRAVENHURST, ONT.—A by-law was carried here on Monday last to assist Digby Grimston in establishing a factory.

NUTANA, N.W.T. — William Bate will receive bids for \$14,000 of debentures, issued for erection of brick school buildings.

SARNIA, ONT.—The Salvation Army will build a new barracks on Front street south, for which plans are now being prepared.

HULL, QUE.—A movement is on foot to purchase the balance of the Brewery Creek power for waterworks improvements.

ATHENS, ONT.—A. Green, of Oak Leaf, has purchased the D. Chamberlain homestead here and will erect a fine residence for himself.

POINTE AUX TREMBLES, QUE.—The French Evangelization Board intend enlarging the school here to accommodate 250 more pupils.

LACHINE, QUE.—The ratepayers have decided to borrow \$15,000 to improve the waterworks system. Two electric pumps will be installed.

TORONTO JUNCTION, ONT.—A local builder is negotiating with a Toronto law firm for the erection of fifty dwelling houses in the east end of the city.

OSHAWA, ONT.—The council have decided to take immediate steps towards

the construction of a waterworks system. R. E. Speakman, C.E., will give expert advice.

KINGSTON, ONT.—Power & Son, architects, have this week taken tenders on erection of machine and blacksmith shop for the Montreal Transportation Company.

LUNENBURG, N.S.—J. M. Anderson will receive tenders up to 20th inst. for repairing and enlarging the Sunday School building of St. John's Anglican church.

BROCKVILLE, ONT.—On November 2nd the ratepayers will vote on a by-law to grant a bonus of \$16,000 to assist in the reconstruction of the foundry of Cossitt Bros.

HALIFAX, N.S.—Walsh Bros. intend erecting a new building.—It is said that the Intercolonial Railway will build a new roundhouse and make other improvements in this city.

WINDSOR, ONT.—H. W. Mason will erect a sheet metal factory on Chatham street.—A by-law will be submitted to the voters in January to raise \$15,000 for erection of a new city hall.

CHATHAM, ONT.—It is expected that work will shortly be commenced on the electric road of the Chatham Electric Railway Co.—E. Wing is having plans drawn for a residence to be built on Raleigh street.

ARTHABASKAVILLE, QUE. — A wing 100x50 feet and four storeys high will be added to the Hotel Dieu.—Plans will likely be accepted this week for new town hall, although its construction will not likely be commenced until next spring.

BRANDON, MAN.—A deputation from the city council and Board of Trade recently waited upon the Dominion Government and opposed the building of a wooden overhead bridge over the C. P. R. tracks at this place. A steel bridge is desired.

BERLIN, ONT. — The courts will probably be asked to decide as to the site for a sewage farm for the town.—A project is on foot to build a large auditorium and rink on the site of the Huether brewery offices on Queen street.—J. Messner purposes establishing a trunk factory here.

EAST TORONTO, ONT. — The Ontario Government has granted the sum of \$5,000 towards the enlargement of the Bantyre Home.—A special committee of the council is preparing a report on the subject of providing an adequate water supply. Like Ontario will likely be the source of supply.

WALKERTON, ONT.—The councils of Culross and Greenock townships are asking government assistance for a scheme having for its object the reclaiming of about 15,000 acres of swamp

land. A. W. Campbell, C. E., of the Ontario Public Works Department, is having surveys made and will report.

LONDON, ONT.—H. C. McBride, architect, has prepared plans for an addition, 45 x 70 feet, to the House of Refuge at Clinton.—The Children's Aid Society intend building a new home, at an approximate cost of \$10,000.

PETERBOROUGH, ONT.—A joint committee of the council of the town of Peterborough and the village of Ashburnham have decided upon certain plans to provide a sewerage system for the latter village. Willis Chipman, C. E., of Toronto, has reported on a suitable plan.

QUEBEC, QUE.—It is rumored that the Fabrique of the parish of Jacques Cartier will build a convent on the corner of Richardson and King streets.—Ouellet & Leveque, architects, have in hand the building of a large addition to the factory of the St. Lawrence Furniture Co.—St. Pierre & Co. are preparing plans for new churches at Notre Dame du Rosaire and St. Method of Astock.

MONTREAL, QUE.—Building permits have been granted as follows: J. W. Wilson, 2 story bldg., Lincoln Ave., cost \$4,000; L. R. Bauleau, pair 3 story bldgs., Demontigny and Herville streets, cost \$2,250 each; Emil Rochon, 3 story bldg., St. Hubert street, cost \$3,000; Adeline Guibault, pair 2 story bldgs., Benville street, cost \$4,400; A. ex. McArthur & Co., 1 story bldg., Harbour Lagan, cost \$6,000; R. McCallum, 4 story bldg., Union Ave., cost \$18,000; Pierre Bedard, pair 2-story bldgs., St. Dominique street, cost \$4,000.

HAMILTON, ONT.—The various interests of the Westinghouse Company in Canada were last week consolidated and taken over by the Canadian Westinghouse Co., Limited. Ground is to be broken for the new works in this city within the next two weeks.—The Pittsburgh Steel Co. have been negotiating for the establishment of a branch here, and it is understood that building operations will be begun in the spring. William Goldberg will build frame cottages at corner of Caroline and Barton street.—T. W. Tobin will build two brick dwellings on Wilson street, at cost of \$3,500.

VICTORIA, B.C.—Plans for the new C.P.R. hotel here are being prepared by F. M. Rattenbury, architect.—The Victoria Chemical Co. purpose constructing works in Victoria harbor. Their solicitors are Langley & Martin, this city.—The property on Government street now occupied by Chung's fish market is owned by Los Angeles people, who contemplate erecting a three-story building on the site.—The British Columbia Government contemplates building new fish hatches, but has not yet decided as to the locations.

FREDERICTON, N.B.—The Provincial Government intend to carry out considerable bridge work within the next year. A stone and steel structure will be built to replace Hall's Creek bridge in Westmoreland county and a similar structure to replace the Norton bridge in King's county. The contract will likely be awarded this week for substructure of French Fort Cove bridge, parish of Newcastle, and within a few days tenders for steel superstructure of same will be invited. Repairs costing \$7,500 will be made at the Bathurst Basin bridge at Bathurst.

WINNIPEG, MAN.—The sum of \$40,000 appropriated by the Dominion Government for public buildings here will be used for a two-storey addition to the post office.—A wholesale warehouse is to be built on the south east corner of Bannatyne avenue and Adelaide street.—Work will be commenced immediately on

the basket factory to be erected by the Red Deer Lumber Co. Particulars may be obtained from W. Sydney Ronald, 48 Canada Life Building.—The city is about to undertake the following works: Sewers on St. John's avenue, cost \$15,290; on Binnatyne avenue, cost \$2,500; on Aberdeen avenue, cost \$1,361; on Victor street, cost \$995; asphalt pavements on Victor street, from Notre Dame to Wellington avenue, cost \$5,878; on Wellington Crescent, cost \$5,103; on Boyd avenue, cost \$7,667; on Alexander avenue east, cost \$5,148; cedar lock pavements on lane between Kennedy street and Vaughan street, cost \$1,545; on Redwood avenue, cost \$3,935; macadam pavement on Good street, cost \$4,931; asphalt pavement on Assiniboine avenue, from Kennedy street to Osborne street, cost \$10,650.

TORONTO, ONT.—The Davies Brewery property on the north-east corner of Queen street and the Don Esplanade has been purchased by John Dick, textile manufacturer, who will establish a plant for the making of bags and kindred articles.—The J. F. Brown Co. have purchased the property at 189 and 191 Yonge street. For immediate requirements the present building will be improved, but it is Mr. Brown's intention to eventually replace it by an entirely new building.—Tenders are wanted at 144 Garden avenue for brick, stone and carpenter work of dwelling.—A. F. Wickson, architect, has reported that the cost of reconstructing the Berkeley street fire hall would be \$10,000 and that an entirely new structure would cost \$25,000. The fire and light committee has recommended a new hall.—It is reported that the Toronto Electric Light Company have engaged an expert to examine their

plant and suggest such improvements as may be rendered necessary by the transmission of power from Niagara Falls.—J. L. Hughes, public school inspector, has asked the city council to dispose of the old Bathurst street school to the school teachers of the city for the sum of \$11,000, the teachers agreeing to remove the present building and erect in its place a substantial building to be used as a Teachers' Home.—Pikington Bros., glass manufacturers, of St. Helens, England, have purchased the property at the south-east corner of Queen and Simcoe streets and will next spring erect thereon a large warehouse.—R. J. Kennedy, 2 Portland street, wants separate tenders for brick work and carpentry of three houses on O'Hara avenue.—C. C. Van Every, representing St. Louis capitalists, has opened negotiations with the assessment commissioner for the lease of a site on Ward's Island on which to build a large summer hotel.—The city engineer is making surveys for the proposed bridge over the tracks at the foot of Yonge street.—John Galt, C.E., of this city, has prepared plans for improving the water-works system of St. Johns, Newfoundland. The source of water supply is at Windsor Lake, about five miles from the city.—The accommodation of the Y. M. C. A. building, corner of Yonge and McGill streets, is inadequate, and at a meeting of the directors last week the question of enlarging the building was considered.—The Ontario Government will proceed at once with the new building for boys to be built at the Mimico Industrial School.—The cost will be about \$10,000.—Tenders will be invited shortly for alterations and additions to the Brockton and Yonge street fire halls.—The city engineer has been asked to report on a

THE HANOVER PORTLAND CEMENT CO. LIMITE

HANOVER, ONTARIO.

Manufacturers of the Celebrated

"SAUCEEN BRAND" of Portland Cement

Prices on Application.

THE

Canadian Casualty and Boiler Insurance Co.

Head Office: N. E. Cor. Adelaide and Victoria Streets, TORONTO.

The Steam Boilers of Civic and Municipal Steam Plants, and Corporation and Public Works, Power and Electric Light Plants regularly inspected.

A STEAM BOILER POLICY

in the Canadian Casualty and Boiler Insurance Company, includes the services of Consulting Engineers free of cost. Write for book to Steam Users.

ALEXANDER SUTHERLAND, D.D., President.
H. N. BATE W. S. DENNICK, Vice-Presidents

A. G. C. DENNICK, Managing Director
A. M. WICKENS, Chief Engineer.

Gilbreth's Rotary Concrete Mixer (for Power)

The Portable Gravity Concrete Mixer

The Rotary Man Power Concrete Mixer

The Accurate Measurer & Feeder

The Portable Platform Set Up

The Tipping Box

For Feeding Concrete Mixers.

E. F. DARTNELL, Agent

SEND FOR CATALOGUES.

MONTREAL

proposal to erect a freight shed with a roof garden on Bay street wharf.—The city council has given notice of its intention to construct the following works: Asphalt pavement on Gloucester street, from Church to Jarvis, cost \$3,810; brick pavement on west side of track allowance on Frederik street, from Front to Esplanade, cost \$2,706; concrete pavement on Spadina place, from Cecil street to a point 444 feet north, cost \$2,233; also a number of cement concrete sidewalks.—The city engineer has recommended the construction of the following pavements: Victoria street, King to Colborne, asphalt, \$2,840; Norfolk street, cedar block, cost \$868; Niagara street, King to Queen, asphalt, cost \$9,549; Rusholme road, College to Bloor, asphalt, cost \$17,750; Van Horne street, Dufferin street to Bartlett avenue, tar macadam, cost \$3,430.—Building permits have been granted as follows: W. M. Storey, two-storey and attic brick dwelling, west side of Madison avenue, near Dupont street, cost \$7,000; Samuel Hobbs, three storey stone dwelling, corner of Queen street and West Lodge avenue, cost \$7,000; Hartley Gibson, pair brick dwellings, Dundas street, cost \$2,700; A. Dale, two brick dwellings, west side of Delaware avenue, cost \$5,000; York County Loan Co., two-storey brick and stone dwelling, Fermannah avenue, cost \$5,000; E. G. Woodley, pair brick dwellings, north side Davenport road, near Avenue road, cost \$2,200; Daniel Hamilton, pair brick dwellings, 44 and 46 Simpson avenue, cost \$4,000; Theodora Finkernagel, brick and rough-cast dwelling, 183 Shaw street, cost \$3,000; J. Ross Robertson, alterations to brick dwelling, 291 Sherbourne street, cost \$3,000; Dr. J. F. W. Ross, additional storey to brick dwelling, corner Sherbourne and Wellesley street, cost \$1,200; Century Baptist church, brick and stone church, McPherson avenue, cost \$12,000; George Birdsall, brick dwelling, 148 Garden avenue, cost \$1,800; H. S. Mara, three pair brick dwellings, corner Cottingham and Rathnally avenue, cost \$9,000; F. Sullivan, pair brick dwellings, corner Walmer road and Dupont street, cost \$6,000; John and Joseph Kee, four brick dwellings, Dundas street, cost \$10,000.

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

Manufacturers of

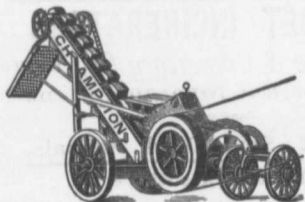
"HERCULES" BRAND OF PORTLAND CEMENT

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

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

"CHAMPION"

Steel Frame Mounted Rock Crusher, the Best Portable Machine for Townships or County Municipalities.



The Good Roads Machinery Co., Limited
(Late K. E. Beckett Engine Works)
144 YORK STREET - HAMILTON, ONT.

BIDS.

CALGARY, N. W. T.—Two tenders were received by the council for building of steel water tower as follows: Locomotive Machine Co. Montreal, \$14,150 Chicago Bridge & Building Co., \$11,500. Referred to committee.

CONTRACTS AWARDED.

WINNIPEG, MAN.—Supply of sewer pipe: W. F. Lee, successful tenderer, \$5,859.

GODERICH, ONT.—Sewer on Albert and Nelson streets: C. C. Lee, successful tenderer, \$1,135.

ALVINSTON, ONT.—The village has purchased fire ladders from the Waggoner Ladder Co., London, Ont.

VANCOUVER, B.C.—J. M. McLuckie is the successful tenderer for erection of new high school, at \$72,000.

PORT ARTHUR, ONT.—The town has purchased a 50-foot fire ladder from the Waggoner Ladder Co., London, Ont.

ST. JOHN, N. B.—Heating of Carmarthen street office for city council: F. S. Walker, successful tenderer, \$790. Gurney heater to be used.

HAMILTON, ONT.—Addition to power house of the Cataract Power, Traction & Light Co. at DeCew Falls: F. H. Dickenson, contractor.

VICTORIA, B.C.—Carnegie Library building: Snider & Co., successful tenderers, \$44,894.—R. P. Rithet & Co.

SCRAPERS

COLUMBUS AND WHEEL AND CANADIAN DRAG



Pressed Bowls and Square Bowls. Also Graders, Crushers, Rollers, Spreading Wagons, Dump Carts, Road Plows, Moulds for Concrete Tile, etc., etc.

SAWYER & MASSEY CO., LIMITED
HAMILTON, CANADA.
Send for prices.

Portland Cements

Highest Grade

Canadian, German, English and Belgian

DRAIN PIPES and Connections of all kinds.
PAVING BRICKS, ENAMELLED BRICKS,
FIRE BRICKS, FIRE CLAY, Etc., Etc.

F. HYDE & CO.,

31 Wellington Street - - MONTREAL



ALPHA Portland Cement

Quality Unexcelled. The Recognized Standard American Brand. Always Uniform. Best in the World for Sidewalks.
ALPHA PORTLAND CEMENT CO.
Manufacturers of but one grade—Strictly Straight Portland.
General Office: ALPHA, N. J.

Sole Canadian Sales Agents—**HENDERSON & TAYLOR**
203 Commissioners Street, MONTREAL

McGREGOR & McINTYRE, LIMITED,

65 to 78 Pearl Street, Toronto, Ont.

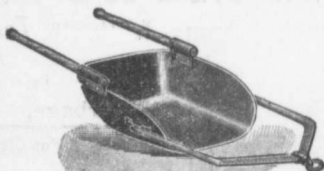
STRUCTURAL IRON WORKS

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

WRITE FOR ESTIMATES.

SCRAPERS

Barrows,
Picks,
Shovels,
Etc.



K. & J.
Wheelers
and Drags
in Stock.

JAMES COOPER, - MONTREAL.

are the lowest tenderers for water pipe for city, their figures being \$42.50 and \$42.80 per ton.

ST. JOHN, N. B.—Building on Mill street for John O'Regan: George McArthur, contractor. F. E. Walton, of Spoon Island will supply the granite.

WOODSTOCK, ONT. — Nagle & Mills, of Ingersoll, have secured the contract for cottages for epileptics to be built here; contract price about \$30,000.

FREDERICTON, N. B.—Steel superstructure for Buctouche bridge: Dominion Bridge Co., of Montreal, successful tenderers. Work will be completed by July, 1904.—The Waggoner Ladder Co., London, Ont., will furnish fire ladders for the city.

BROCKVILLE, ONT.—The James Smart Mfg. Co. have secured the contracts for warming and ventilating with Kelsey warm air generators the Collegiate Institute and Bank of Montreal at Goderich, Central Methodist church at Stratford, and First Presbyterian church in this city.

COLLINGWOOD, ONT. — Factory for Collingwood Furniture Co.: Woodwork, Wilson Bros.; brick and stone work, R. Sinclair; plumbing, J. Hen-

TUNNEL CITY BRIDGE & IRON WORKS

Steel Bridges and Structural Work.
Works: Port Huron, Mich., and Sarnia, Ont.

HIGHWAY BRIDGES

Roofs, Steel Buildings and Structural Iron Work of all Descriptions.

ALFRED J. STEVENS

Temple Building, TORONTO.

Engines, Steel Plate Fans,
Conveying Machinery,
Rock Crushers.

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

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

WALTER MILLS Head Office: Ingersoll, Ont.
General Manager.

derison; roofing, Philip Carey Mfg. Co. Contracts for electric light plant and blower not yet let.

OTTAWA, ONT.—Erection of Fat Stock Show building: Masonry, G. A. Crain, \$1,629; carpentry, Taylor & Lackie, \$8,850; painting, William Howe, \$445; roofing, J. Herbert & Sons, \$880; iron work, McFarlane & Douglas, \$1,960.

BU-INNESS NOTE

Robert P. Fairburn, assistant architect and engineer of the Department of Public Works of Ontario, has been appointed chief engineer of the Department, at a salary of \$2,100 a year. He succeeds Robert McCallum, who has been appointed chief architect for the city of Toronto.

THE PHOENIX BRIDGE & IRON WORKS, MONTREAL GENERAL STEEL CONTRACTORS

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

R. F. WENTZ ENGINEERING CO.

Consulting Engineers and Cement Work Specialists

Designing Cement Plants. Specifications and Estimates.
Superintendence of Construction.
Inspection and Reports of Cement Material and Properties.
Analysis and Tests of Raw Material and Cement.

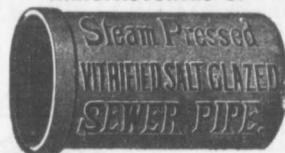
Designed and constructed 24 CEMENT PLANTS in United States and Canada.
20 YEARS PRACTICAL EXPERIENCE designing, constructing and operating cement works.

CEMENT PROPERTIES FOR SALE.

For further information address— ROBERT F. WENTZ, M.W.S.E., PRES'T
OFFICES: 12-15 Babb's Block, - - NAZARETH, PA., U. S. A.
509-510 Manning Chambers, TORONTO, ONT., CAN.

THE CANADIAN SEWER PIPE CO.

MANUFACTURERS OF



FOR

Sewers, Culverts and Water Pipes
Inverts for Brick Sewers

WRITE FOR DISCOUNTS

ST. JOHNS, P. Q. HAMILTON, ONT. TORONTO, ONT

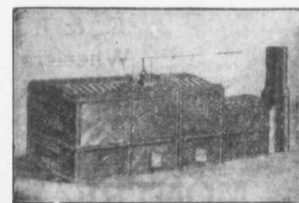
The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

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



PERFECTION STEEL-CLAD AND BRICK SET INCINERATORS

MANUFACTURED BY Toronto Furnace & Crematory Co., LIMITED
14 and 16 Queen St. East, TORONTO, CANADA

Experts in sanitary disposal of dangerous wastes,

Garbage, Refuse, Night Soil, Dead Animals,

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

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

MUNICIPAL SUPPLIES

Complete Stone Crushing Plants, 75, 100 and 300 tons per day, Road Graders, Mud Scrapers, Rock Drills, Steam Road Rollers, Gasoline Fire Engines, etc.

T. A. MORRISON & CO.

204 St. James St. MONTREAL

WATERWORKS PUMPS

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

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

WE MAKE

Pumping Machinery
"For all Duties"

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

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

THE Northey Company Limited, Toronto

PORTLAND CEMENT

SAMSON BRAND MAGNET BRAND

MANUFACTURED BY

THE OWEN SOUND PORTLAND CEMENT COMPANY, Limited, Owen Sound, Ont.

Works at **SHALLOW LAKE, ONT.**

Write us for prices.

THE CANADIAN PORTLAND CEMENT COMPANY, LIMITED

Manufacture **"RATHBUN'S STAR"** Brand

The Leading Canadian Portland Cement.

Capacity of Works: 500,000 Barrels Per Year.

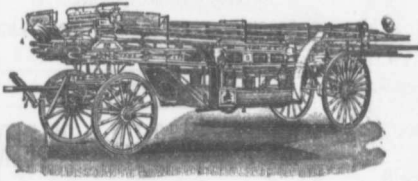
SALES AGENTS

THE RATHBUN CO.
310-3 1/2 Front Street West, TORONTO, ONT.

St. Lawrence Portland Cement Co.
101-102 Board of Trade Building, MONTREAL.

LIGHTNESS, STRENGTH AND ECONOMY

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



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

Long Distance
Phones 686 and 684

W. E. SEAGRAVE, WALKERVILLE ONT.

Fire Apparatus AND Road Machinery

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

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

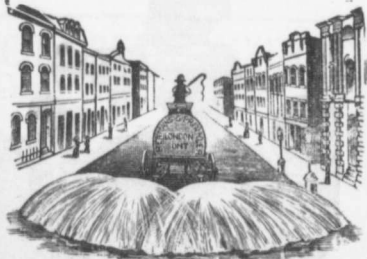
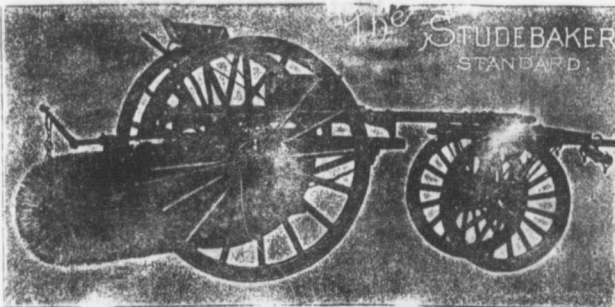
BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

IN THREE SIZES—10, 12 and 15 ton.

CORRESPONDENCE SOLICITED.

WATEROUS, Brantford, Canada

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



Studebaker Sprinkler
(PATENT IMPROVED.)

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

IMPROVED VERTICAL SPRAY
for Pavements.

Geo. Heaman, Mnfr., London, Ont

Street Sweeping Machine is the Standard of Perfection

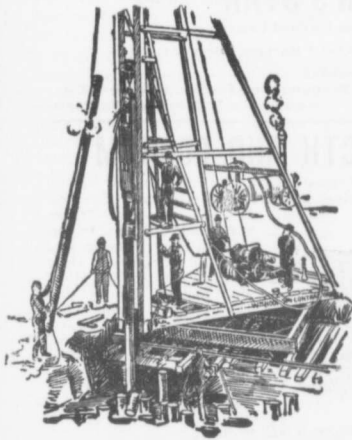
Stackpole Patent Improved Because no sweeper so effectively does the work for which it is designed as "The Studebaker." It Sweeps Clean. No sweeper is constructed with the same degree of care and mechanical precision. It Wears Well. "The Studebaker" has the smallest number of working parts, and has less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

DOMINION GOVERNMENT ESTIMATES.

The supplementary estimates of the Dominion Government presented to the House a few days ago call for an expenditure exceeding \$10,000,000. Among the largest appropriations are the following: Amherstburg, dredging, \$15,000; Blind River, wharf, \$3,000; Bracebridge, wharf, \$5,800; Bronte, harbor improvements, \$6,300; Burlington, channel piers, \$10,000; Colborne Harbor, renewals and repairs to wharf, \$3,500; Cumberland, wharf, \$5,500; Colingwood, improvements in har-

bor, \$60,000; Depot Harbor, breakwater, \$20,000; Gananoque, dredging, \$7,000; Grand Bend, breakwater, pier, etc., \$5,000; Goderich, breakwater, \$20,000; Gore's Landing, wharf, \$3,000; Honora, wharf, \$4,000; Kingsville, filling extension of breakwater, \$4,000; Little Current, improvement of northern steamboat channel, \$15,000; Leamington, wharf, sheet piling, etc., \$3,800; Meaford Harbor, new breakwater, piers, \$15,000; Midland, harbor improvements, \$12,000; Oakville Harbor, additional amount of dredging, \$3,500; Prescott, dredging, \$4,000; Pembroke,

wharf, \$10,000; Port Dover, piers, reconstruction and repair, \$10,000; Penetanguishene, dredging, etc., \$4,800; Parry Sound, wharf, \$8,000; Point Edward, dredging, \$6,000; Port Burwell, improvement of harbor, \$34,000; Port Stanley, dredging, \$4,000; Port Arthur, repairs to breakwater, \$17,500; Rondeau, dredging, \$13,000; River Sydenham, improvement of, \$5,800; River Otonabee, dredging at Peterboro, \$5,000; River St. Lawrence, dredging channel at Wolfe Island, \$5,000; Spanish River, dredging, \$10,000; Sarnia, dredging, \$6,000; Sault Ste. Marie, harbor im-



PILE DRIVING

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

Portable Boilers
Hoisting Engines
Pumping Machinery

TO LET

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

WM. HOOD & SON

10 Richmond Sq. - MONTREAL

DEBENTURES

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

THE DELANO-OSBORN ENGINEERING CO., LIMITED

MANNING CHAMBERS, TORONTO

CONSULTING CIVIL, MECHANICAL AND ELECTRICAL ENGINEERS.

ALWAYS IN STOCK

PIG LEAD, PIG TIN AND SOLDER

Syracuse Smelting Works, Montreal, P.Q.

Notice to Contractors.

The Niagara Falls Machine & Foundry Co., Limited,
Niagara Falls, Ont.,

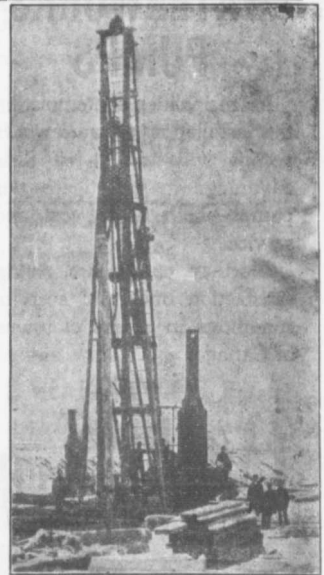
are making a specialty of Improved
HOISTING AND BUILDING ENGINES.
Write for Prices.

Pittsburgh Testing Laboratory, LIMITED

Inspecting and Metallurgical
Engineers and Chemists

SPECIALTIES: Inspection of RAILS and all material for BRIDGES, BUILDINGS, and other structures, cast iron pipe, wood and steel railroad cars.

MANUFACTURE AND ERECTION.
Expert examination and reports, chemical analyses and physical tests of all kinds.
Cement Testing.
146 St. James Street, - Montreal, P.Q.



PILE DRIVING and Foundation Work.

By 5-ton Automatic Steam Pile Hammer, Water Jet or Drop Hammers, Dock Building, Submarine Work and Dredging.

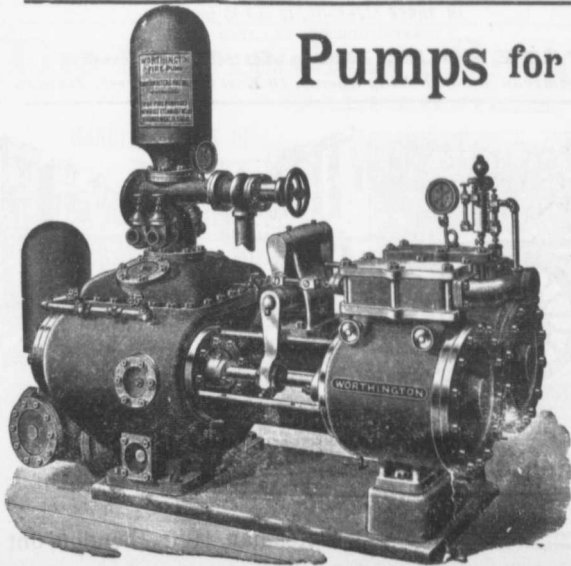
BUILDING MOVER AND WRECKER

General Contracting.

JNO. E. RUSSELL, - Toronto

906 Queen St. E. - Phone M. 2007.

Pumps for Waterworks



Waterworks Systems
Installed

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

Steam Boilers and
Filters

Write for Prices and Particulars

The John McDougall

CALEDONIAN IRON WORKS CO., LIMITED

MONTREAL, P.Q.

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

WILLIS CHIPMAN

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

R. E. SPEAKMAN, C.E.

A. M. Inst. C. E., 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., A. M. Amer. Inst. E. E.
CONSULTING ENGINEER

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

51-53 James Building, Cor. - TORONTO, CANADA

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

WILLIAM H. BREITHAUP, C.E.

M. AM. SOC. C. E., M. CAN. SOC. C. E.
CONSULTING STRUCTURAL ENGINEER

Foundations, Bridges, Buildings.
BERLIN, ONT.

CEMENT TESTING

Dr. J. T. Donald

Official Analyst to the Dominion Government.
Established 1880.

Physical and Chemical Tests on all kinds of
CEMENTS and RAW MATERIALS. Prompt
returns and lowest rates consistent with accurate
work.

112 St. Francois Xavier Street, Montreal, Canada

ROSS & HOLGATE

Consulting and
Supervising Engineers

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

80 ST. FRANCOIS XAVIER ST. - MONTREAL

RAILS For Contractors, Switches, Gir-
des, &c.
LOCOMOTIVES AND CARS

New and Second Hand
A. & D.
John J. Gartshore

83 Front St. West,
(Opposite Queen's Hotel.) TORONTO.

FIREMEN'S LADDERS

—AND—
LADDER TRUCKS

We make the lightest, quickest,
strongest and cheapest. Every Town
and Village needs them and can afford
them. They will save 50 times their
price in insurance premiums. Write
for circulars and quotations.

THE WAGGONER LADDER CO., Limited
LONDON - - - ONT.

John H. Jackson

CIVIL ENGINEER
WATER POWER, ELECTRIC RAIL-
WAYS, STRUCTURAL STEEL.

Niagara Falls, Canada

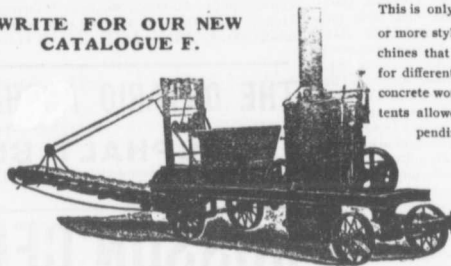
Associated with Charles H. Mitchell,
C. E., Hydraulic Engineer.

CHARLES BRANDEIS

Consulting Electrical and Mechan-
ical Engineer.
Elect c Lighting, Power and Railway
Plants.
Liverpool, London and Globe Building,
MONTREAL.
Long Distance Telephone Main 3256

The **Greatest Concrete Mixer** Yet
Made

WRITE FOR OUR NEW
CATALOGUE F.



This is only one of 30
or more styles of ma-
chines that we make
for different kinds of
concrete work. 10 pa-
tents allowed, others
pending

NUMBER OF PATENTS
31,664
672,934
675,035
675,036
675,037
698,182
698,910
699,667
699,668
701,312

Also
Mortar and
Asphalt Mixers

DRAKE STANDARD MACHINE WORKS

Factory, 7-9-11-13 Garden Street, Chicago. Office and Salesroom, 228-300-302 W. Jackson Bldg. CHICAGO, ILL., U. S. A.

TRACK TOOLS

Picks,
Shovels,
Crowbars,
Tamps, Clawbars,
Rail Tongs, Rail Forks,
Spike Mauls, Sledges,
Track Drills, Track Wrenches,
Track Gauges, Track Levels,
Norton Track Jacks, Track Chisels,
Mattocks, Jim Crow Rail Benders, Barrows,
Wrecking Lights, Hand Cars, Railway Veloci-
pedes, Push Cars, Wheel and Drag Scrapers, Etc., Etc.

In Stock Rush orders despatched on short notice In Stock

W. H. G. MUSSEN & CO.
MONTREAL.

CANADIAN
CONTRACTOR'S
HAND-BOOK
and
Estimator
—
Third Edition

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

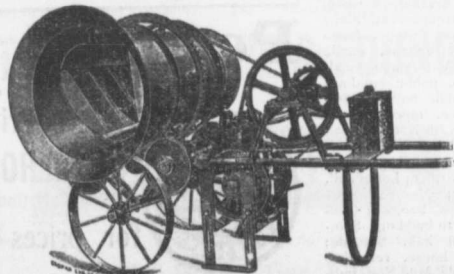
SEND FOR A COPY

C. B. Mortimer
Publishing Co.
Toronto.

Please mention THE CONTRACT RECORD when corresponding with advertisers.

THE McKELVEY CONCRETE MIXERS

MANUFACTURED BY **W. A. McKELVEY,** McKinnon Building, TORONTO.



These machines
are made to mix
either continu-
ously or in
batches, and can
be operated
either by Hand,
Steam or Gas-
oline Power.

provements (revote), \$18,000; Thessalon, breakwater, \$5,000; Thornbury Harbor, dredging, \$3,550; Toronto Harbor, works at eastern entrance, \$20,000; Victoria Harbor, dredging, \$4,000; Warton, wharf, \$10,000; Belleville, armory, \$10,000; Peterboro, armory, \$10,000; Guelph, armory, \$10,000; Chatham, armory, \$10,000; Toronto, drill hall, additional accommodation, \$20,000; Toronto, military buildings, building for storage of wagons, etc., of Engineer Company, \$3,000; Ottawa, departmental buildings, western block, etc., \$6,000; Rideau Hall and grounds, \$4,500; Ottawa Departmental Buildings, equipment, \$63,000; Kingston, Royal Military College, drill hall, \$6,000; Toronto, post-office, \$20,000; St. Catharines, drill hall (revote \$10,000), \$20,000; Sault Ste. Marie, public building (revote \$10,000), \$25,000; Woodstock, public building, \$5,500; Brantford, drill hall, \$15,000; St. Mary's, public building, \$8,000; Oshawa, public building, \$8,000; Toronto, additional postal station, \$25,000; Deseronto, public building, \$1,500; Bridgeburg, public building, \$5,000; Hamilton, public building, alterations and improvements for Inland Revenue purposes, \$5,000; Kingston, Royal Military College, addition, \$5,000; Ottawa, departmental buildings, new elevator for west block, \$6,000; Toronto, military buildings, magazine, \$3,000; London, military buildings, magazine, \$3,000; Ottawa, public buildings, new coal shed, \$10,000; Ottawa, post-office and customs house, improvements, \$16,000; Kingston, Royal Military College, stable, \$5,000; Berlin, public building, improvements (revote \$5,000), \$9,000; Hamilton, public building, improvements (revote \$2,000), \$3,400; Sarnia, public building (revote), \$13,800; Toronto, examining warehouse, addition to, \$25,000; Dundas, drill hall (revote \$5,600), \$6,600; Cobourg, improvements (revote \$1,800), \$5,000; Kingston, barracks for R.C.F.A., \$25,000; Hawkesbury, public building, \$5,000; Ottawa, public buildings, paving in front of Parliament Building, \$6,900; Wingham, public building, \$8,000; Stratford, armory, \$10,000; Toronto, Assistant-Receiver-General's office, safe, \$2,200; Ottawa, Printing Bureau, fire-proof addition for storing standing matter, \$7,000; Sydney Mines, public building, \$8,000; Halifax Quarantine Station, Lawlor's Island, improvements, renewals, repairs, etc., \$4,500; Halifax, new public building, \$20,000; Halifax, Immigration building, additional storey over the one storey portion, etc., \$1,000; Sydney, addition to public building, \$10,000; North Sydney, public building, alterations to post-office, \$1,100; Charlottetown, armory, additional accommodation, \$2,550; Charlottetown, Dominion building, improvements, additions, etc., \$12,000; Campbellton, public building, \$5,000; Moncton, public building, improvements, \$1,200; Tracadie, Lazaretto, improvements, etc., \$1,500; Woodstock, armory and gun shed, \$5,000; St. John immigrant building, \$10,000; Woodstock, public building, improvements, \$3,900; Fredericton, military building, new officers' stables, \$2,400; Fredericton, sergeant-major's quarters, \$2,300; St. John Quarantine station, water service, etc., \$7,000; St. John, drill hall, \$10,000; Lewis, public building, \$5,000; Quebec, citadel, drill shed for school of gunnery, \$10,000; Quebec, military building, main store building at Dominion Arsenal, \$11,000; Montreal, examining warehouse, additions and alterations, including fittings, furniture, etc., \$20,000; Terrebonne, public building, \$5,000; Acton Vale, public building, \$6,000; St. Johns, public building, \$6,000; Montmagny, public building, \$6,000; Montreal, post office, improvements, \$13,000; St. Hyacinthe, drill hall, \$15,000; St. Johns, examining warehouse, \$3,500; Three Rivers, custom house, new heating apparatus, etc., \$1,600; Longueuil, public building, \$5,000; Montreal, barracks for permanent corps, \$20,000; Quebec, drill hall, addition to building, \$20,000; Sherbrooke, drill hall, \$10,000; Three Rivers, custom house, retaining wall, \$2,500; St. Louis de Mile End, pub-

lic building, \$10,000; Montreal, new post station, fittings and furniture, \$5,000; Magog, public building, \$5,000; Kingston custom house, repairs, etc., \$2,300; Almonte, public building, improvements, \$1,000.

Public buildings in British Columbia receive the following: Victoria, old post office building, improvements, etc., \$1,700; Nanaimo, addition to public building, \$14,000; Vancouver, public building, improvements, \$1,500; Kamloops, public building, improvements, \$1,700; New Westminster, public building, improvements, \$600; Nelson, public buildings, \$18,200; Rossland, public building, \$8,000; Vancouver, public building, \$60,000; Williams Head, quarantine station, \$5,000; Rossland, armory, \$10,000.

BRIDGE SUBSIDIES.

Subsidies are also granted to the following bridges: Bridge over Nicolet river at Nicolet, \$15,000; bridge over the St. Francis river in Yamaska county, \$50,000; to the Canadian Bridge Company, of Walkerville, to improve bridge over the St. Francis river on the South Shore railway, \$35,000; to the Chateaugay & Northern Railway Company for bridge at Bout de L'île, \$50,000.

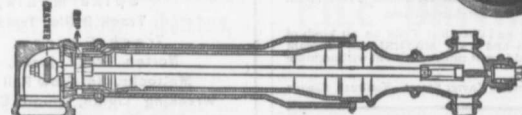
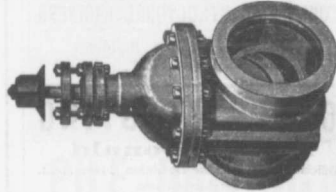
JOHN GALT, C.E. & M.E.
MEM CAN SOC C.E. AND C.E.A., ETC.
CONSULTING ENGINEER and EXPERT
National Trust Building Toronto
20 King Street East
Specialties—Water Supply and Sewerage.

THE ONTARIO ASPHALT BLOCK CO., L'T'D.
MANUFACTURERS OF
ASPHALT BLOCK PAVING
Information and samples furnished municipalities on application.

Main Office: WINDSOR, ONT. Works: WALKERVILLE, 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

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



“Lehigh”
Portland Cement
Capacity 11,000 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 best 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
THORN CEMENT CO. - Buffalo, N. Y.

Portland Cement.
ALL GRADES.
Write or Telegraph to
BELLHOUSE, DILLON & CO.
201-203 Coristine Building, St. Nicholas Street, Montreal
for prices—Large stock constantly on hand.



Largest Makers in the World.



FROST PROOF HYDRANTS

OUR

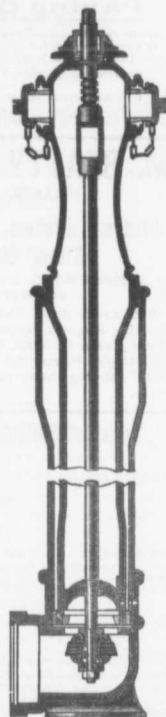
Toronto Hydrants are fitted with frost cases separated from the hydrant, thereby preventing injury due to upheavals of the ground by frost.

SEE OUR BULLETIN No. 7.

Canada Foundry Co., Limited

Head Office - Toronto, Ont.

District Offices : MONTREAL HALIFAX OTTAWA WINNIPEG
VANCOUVER VICTORIA ROSSLAND



THOS. J. DRUMMOND, President.

JAMES T. McCALL, Secretary-Treasurer.

C. ED. GIDEWILL, Vice-President.

Montreal Pipe Foundry Co., Limited

Special Castings
Flange Pipe
Branches
Hydrants
Valves



CAST IRON PIPE

Valve Boxes and general Water Works Supplies

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

Combined daily capacity :
175 Tons Pipes and Castings.

HEAD OFFICE CANADA LIFE BUILDING, MONTREAL

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

THE GARTSHORE-THOMSON PIPE & FOUNDRY CO. LIMITED.

Manufacturers of:::

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



CAST IRON PIPE

3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

HAMILTON, ONT

Paving Granite

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

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

Address all communications to

JOS. BRUNET - COTE DES NEIGES, MONTREAL

M. BEATTY & SONS WELLAND, ONT.

Credges, Ditchers, Derricks and Steam Shovels of various styles and sizes to suit any work.

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

Prices of Building Materials.

Table with columns for material types (e.g., Pressed Brick, Buff No., Brown, Roman Red) and prices per M. Includes 'MILTON PRESSED BRICK AND SEWER PIPE CO.' and 'DON VALLEY PRESSED BRICK WORKS'.

Table with columns for material types (e.g., Terra Cotta Bricks, Vitrified Street-Paving Bricks) and prices per M. Includes 'TORONTO PRESSED BRICK AND TERRA COTTA WORKS'.

Table with columns for material types (e.g., Red No. 1, Buff No. 1, Brown, Roman Red) and prices per M. Includes 'BEAMSVILLE BRICK AND TERRA COTTA CO.'.

Table with columns for material types (e.g., Red Peerless Facing, Buff Peerless Facing) and prices per M. Includes 'TORONTO POTTERY CO.' and 'FIRE BRICK'.

Table with columns for material types (e.g., Rubble, Brown Coursing, Granite) and prices per ton. Includes 'CREDIT VALLEY STONE' and 'F.O.B. Quarries'.

Portland Cement...

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

Dominion Bridge Co., Ltd.

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

STEEL BRIDGES

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

Toronto Agent: GEO. E. EVANS, 35 Canada Life Bldg., TORONTO, ONT

PORTLAND CEMENT

SEWER PIPES

FIRE BRICKS

FIRE CLAY

ALEX. BREMNER

50 Bleury Street, MONTREAL



W. & F. P. CURRIE & CO.

345 St. James St., Montreal

Importers of

SEWER PIPES. PORTLAND CEMENTS, HIGH GRADE ENGLISH GERMAN BELGIAN PLASTER OF PARIS BORAX, CHINA CLAY.



Table with columns for material types (e.g., Butoctone Olive Freestone, Olive Sandstone) and prices per M. Includes 'TORONTO, Montreal' and 'F.O.B. Halifax'.

Table with columns for material types (e.g., English, Brak's Shoobridge Anchor) and prices per M. Includes 'PORTLAND CEMENT' and 'F.O.B. Quarries'.