

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF THE BUILDING INDUSTRY

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • 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

DECEMBER 30, 1903

No. 46.

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY WEDNESDAY
As an Intermediate Edition of the Canadian Architect and Builder.

Subscription Price, \$3 per annum, payable in advance.

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

CONFEDERATION LIFE BUILDING, TORONTO.
Telephone Main 2562.

Branch Offices:
Imperial Building, Montreal,
Telephone, Main 2299.

London, England.
Advertising Rates on application.

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

WANTED

To represent in Montreal firms doing business with Architects and Contractors. Advertiser has been connected with a firm of Architects in Montreal for 15 years. Address, "Advertiser," care of CONTRACT RECORD, 38 Imperial Building, Montreal.

Town of Saint Boniface

Water Works Supplies

Sealed tenders will be received by the undersigned until 12 o'clock, noon, on MONDAY, THE 17TH OF JANUARY, 1904, at the Town Hall of Saint Boniface, for the following supplies:

- 750,775 tons of water pipes
 - 18 63 special castings
 - 20 hydrants and 58 valves
 - 1 pumping engine, capacity 1,000,000 gallons per 24 hours
 - 2 boilers, 70 h.p., and feeding pumps.
- Quantities, specifications and forms of tender can be seen or obtained at my office.
The tenders may be for the whole or part of the above supplies. No tender necessarily accepted.

THEO. BERTRAND,
Secretary Treasurer.

Saint Boniface, Man., Dec. 15, 1903.



Welland Canal

Tenders for Supplies for the year 1904

Sealed tenders for supplies, addressed to the Superintendent Engineer, Welland Canal, St. Catharines, will be received until 20 o'clock on TUESDAY, THE 12TH OF JANUARY, 1904, for the supply and delivery of various articles of Timber, Hardware, Castings, Fuel, Paints, Oils, etc., for use on the Welland Canal and its branches for the year 1904.

Specifications, forms of tender and other information may be obtained at the Superintendent Engineer's office, St. Catharines, on and after MONDAY, THE 21ST DECEMBER, 1903.

The lowest and any tender not necessarily accepted.

By order,

L. K. JONES,

Secretary.

Department of Railways and Canals

Ottawa, December 19th, 1903.

Office for the Canadian Bank of Commerce to be Erected at Orangeville, Ont.

Tenders for the various trades required will be received by the architects up to SATURDAY, THE 30TH OF JANUARY, 1904. Plans and specifications may be seen at the branches of the Bank of Commerce at Orangeville and Hamilton, also at the office of Darling & Pearson, architects, Toronto.

The lowest or any tender not necessarily accepted.

DARLING & PEARSON, Architects,
Toronto, Ont.

TENDERS

Sealed tenders addressed to the County Clerk, R. P. Miller, Rainham Centre, Ont., and endorsed "Tender for Oswego Creek Bridge." will be received until SATURDAY, THE 23RD OF JANUARY, 1904, for the construction of a bridge across the Oswego Creek on the township line between the townships of Canboro and Moulton, six miles north of Danville, Ont. To be built in accordance with plans and specifications prepared by the County Engineer, W. H. Fairchild. Said plans and specifications may be seen at the office of the Engineer at Simcoe, Ont., or with the undersigned near the site of the proposed bridge.

Tenders must be made separate for the steel superstructure, in two spans 60 feet each, with bottom for concrete floor and for the substructure, two abutments and one pier to be stone masonry.

Tenders will also be received up to TUESDAY, MARCH 1ST, 1904, for the laying of a concrete floor upon the said bridge, work to be done according to plans and specifications of the County Engineer, and under his supervision.

The lowest or any tender not necessarily accepted.

GEORGE VAN KEUREN,
Chairman Road and Bridge Committee,
Haldimand County Council,
Dunnville, Dec. 22, 1903.

CONTRACTS OPEN.

LINWOOD, ONT.—A new Lutheran church is to be built here.

DELTA, ONT.—The Merchants' Bank of Canada will erect a new building here next spring.

RAINY RIVER, ONT.—It is the intention of James Harty to build a modern hotel here.

OSHAWA, ONT.—A plebiscite will be taken on January 4th on the question of a waterworks system.

FLETCHER, ONT.—The ratepayers of school section No. 4 have decided to build a new separate school.

FORT FRANCES, ONT.—It is probable that the Presbyterian congregation will build a new church.

ST. THOMAS, ONT.—The question of increasing the water supply is receiving the consideration of the council.

SARNIA, ONT.—Anderson, Berger & Co., of Milwaukee, are considering the establishment of a grist mill here.

CHIPPEWA, ONT.—William Pew, W. Aldous, D. Dixon, and S. Flommerfelt each intend building a new residence.

ST. CATHARINES, ONT.—The waterworks superintendent has been in-

structed to call for tenders for ten fire hydrants.

BELLEVILLE, ONT.—It is probable that a new residence for ladies will shortly be built in connection with Albert College.

GUELPH, ONT.—The city council have sold the fair grounds property to the Dominion government as a site for an armory.

TILSONBURG, ONT.—The Middleton & Bayham Cheese Co., at a meeting held here last week, decided to build a new factory at Courtland.

FORT WILLIAM, ONT.—The Public School Board have asked the council to purchase a site for a new building in Ward 4.

NORTH VANCOUVER, B.C.—The by-laws to provide funds for construction of bridges and a municipal building were carried by the ratepayers.

OWEN SOUND, ONT.—A joint stock company, with a capital of \$200,000, is being formed to erect a five-storey brick temple and music hall.

NORTH SYDNEY, N.S.—Mr. Cooke, Government Engineer, was in town last week selecting a site for the new Intercolonial Railway freight shed.

GLACE BAY, N.S.—It is rumored that a site has been purchased here on which to build a brewery, but the names of the interested parties have not been announced.

CHARLOTTETOWN, P. E. I.—The Prince Edward Island Railway is calling for tenders for erection of stations at Albany, Kinkora, Northam, Richmond, and Fredericton.

CHESTER, ONT.—A meeting of the vestry of St. Barnabas church will be held on January 7th to consider the advisability of purchasing a site and building a new edifice.

VALE, B. C.—The Spallumcheen Improvement Co. has been organized with a capital of \$25,000, to improve the Spallumcheen river by the construction of canals, dams, slides, etc.

ST. JOHNS, QUE.—The Singer Mfg. Co. have decided to remove their factory from Montreal to this place, where they will build a factory capable of turning out 100,000 machines annually.

COLLINGWOOD, ONT.—The company promoted by E. D. Moris, of Toronto, to establish a gas plant in this town intend to send their expert to England in January to purchase plant and piping.

KINGSTON, ONT.—Queen's Medical Faculty have asked the Ontario government to establish here a branch laboratory in connection with the Provincial Board of Health for the examination of pathological specimens.

GASPE BASIN, QUE.—Two parties

of engineers are at present making the final surveys of twenty miles of the Quebec, Western and Atlantic Railway and the contract for construction will likely be given out this winter.

VANCOUVER, B.C.—Plans are under way for the establishment in this city of a large pork packing plant. The proposed site fronts on the inlet between the Hasting saw mill and Cedar Cove, and was recently purchased by P. Burns & Co.

DELHI, ONT.—R. A. Dickson, solicitor, has made application for the incorporation of the Brantford & Erie Railway Co., to construct a line of railway from Brantford to Port Dover, with a loop line extending from Waterford to Delhi and Lyndoch.

WALKERVILLE, ONT.—Alex. Laforge, of Windsor, has made arrangements with the Jackson Cement Stone Machine Co., of Jackson, Mich., to establish a Canadian factory for the manufacture of concrete construction blocks. The factory will be built in this town.

LANARK, ONT.—The town council are considering the building of a new bridge to replace the one at the lower reach of the Clyde River.—Bids received by J. M. Rogers, Chairman Finance Committee, up to January 16th for purchase of 65,000 county debentures.

OAKVILLE, ONT.—The town council have passed a by-law granting the Hamilton Electric Radial Railway Co. the privilege of operating an electric railway on Rebecca and Randall streets, said streets to be macadamized at the expense of the company. The company are to build a bridge over the Sixteen Mile Creek.

WELLAND, ONT.—Tenders are invited up to Tuesday, January 12th, for supply of timber, hardware, castings, paints, oils, etc., for use on the Welland canal during the year 1904. Specifications from the superintending engineer, St. Catharines.—The Dominion Marine Association will memorialize the Dominion Government to enlarge the Welland canal.

FREDERICTON, N. B.—The Commissioner of Public Works is asking for tenders for rebuilding Black river bridge, St. John county, and repairing the Elliott bridge in Queen's county and the Aboushagan bridge in Westmoreland county.—The Provincial government will receive tenders up to January 18th for building of the Rye Road bridge at mouth of the Black river.

QUEBEC, QUE.—It is stated that a large new theatre will shortly be erected on Crown street, south of Joseph street, where the site has already been chosen.—N. Michaud, M. P., has applied for the incorporation of the "Compagnie du Chemin de Fer Hebertville, St. Bruno, Alma," for the purpose of constructing a railway in the county of Lake St. John.—J. A. Drake, of Chicago, denies the report that he intends to build a large hotel in this city.

STRATFORD, ONT.—P. A. Peterson was in the city recently in connection with the survey of the proposed C.P.R. branch line between Goderich and Guelph.—The Grand Trunk Railway Company will at an early date commence the enlargement of the shops here.—Capitalists represented by H. M. Sloane, of Chicago, and N. N. Cantun, of St. Joseph's, may build an electric railway between Stratford and St. Joseph's, on Lake Huron.

ST. JOHN, N.B.—The New Brunswick Southern Railway Co. have commissioned Mathew Neilson, C.E., to report on the work necessary to put the road in condition to handle through business. It is understood that the improvements in view contemplate the

building of a bridge across the St. Croix river and the extension of the road to the eastern side of the city. A line will probably be built from some point along the bay shore to Fairville.—R. H. Cushing, Director Public Works Department, will receive tenders up to February 15th, 1904, for the construction of a steel, screw propelled ferry boat for this harbor.

WINNIPEG, MAN.—The Winnipeg & Selkirk Street Railway Co. are seeking power from the Provincial Legislature to build a radial railway encircling Winnipeg.—It is stated that the C.P.R. contemplate extending the Elm Creek-Carman branch to Darlingford by way of Rosebank, also that the Canadian Northern Railway will extend their Carman line to Somerset.—A new proposition to supply power to the city has been submitted by D. A. Keizer, who offers to supply 3,000 horse power at \$17.50 per horse power per annum.

HAMILTON, ONT.—A company, of which Ambrose Small, of Toronto, is the head, has about closed a deal for the purchase of the Grand Opera House and Dr. McKelcan's residence at the rear. It is the intention of the purchasers to either enlarge and modernize the present theatre or build a new one.—The T. H. Pratt Co. have acquired property for the purpose of extending their premises.—Building permits have been granted as follows: Arthur Woolley, brick dwelling, William street, between Barton and Bird streets, cost \$1,200; G. W. Bingham, addition to building, 27 South Wellington street, cost \$1,000.

OTTAWA, ONT.—Extensive improvements to the interior of the post office building in this city are to be undertaken after the new year.—Plans for the new Central station have been filed with the Railway Department.—The Public School Board will probably appoint an architect to report on the Elgin, Archibald and Creighton street schools, with the view of making improvements and additions thereto.—The by-law to provide for the extension of the Bell street bridge has secured its second reading in council.—At a meeting of the secular priests of the Ottawa diocese, held last week, it was decided to erect, at a cost of almost \$40,000, a new diocese and seminary to replace that destroyed in the University fire.—The Canadian Province of the Oblate Order have agreed to subscribe \$10,000 towards the rebuilding of the Community House of the Order.

MONTREAL, QUE.—John Kennedy, chief engineer for the Harbor Commissioners, has reported that in order to pave the wharves during the coming season it would be necessary to have on hand 8,500 tons of blocks in order to proceed with the work the coming spring, this not taking into

account the blocks required for the paving of sheds, etc.—It is generally understood that the Dominion government has passed favorably on the plans for harbor improvements and that within a short time the work will be commenced. The plans call for two-storey sheds upon the four piers in front of the centre of the city, these sheds to be constructed of steel and concrete. Over the tons will run the grain conveyors, and on the level with the floor of the upper storeys will be the wagon roadways connecting the streets. The estimated cost is \$2,500,000.—Frank Thompson & Co., of this city, have organized the Imperial Coal & Coke Company, with a capital of \$4,500,000. Coal areas have been purchased in the East Kootenay district of British Columbia, and the work of development will be undertaken at once. The process of mining will be by tunnelling into the sides of the hills and mountains.—It is reported that a company has been formed to build an expensive hotel on the present site of the Natural History building, corner University and Cathcart streets, the building to be eight-storeys and to have 250 bedrooms, with large restaurant attached. William Kearney, proprietor of the Oxford restaurant, is at the head of the project.

TORONTO, ONT.—A movement is on foot to erect a new public school building near the Kingston road.—A. J. Russell Snow and R. W. Barker, of the Balm Beach Park Commission, have explained to the council of East Toronto the proposition of the Commissioners to erect bath and boat houses on the beach, also a club house, at a total cost of \$4,500.—Messrs. Darling & Pearson, architects, this city, are asking for tenders up to January 30th, 1904, for erection of an office building for the Canadian Bank of Commerce at Orangeville, Ont.—The Dominion Government has appropriated \$2,600 for a brick pavement on Armour street and a concrete sidewalk on University avenue in front of the armouries.—The following works are about to be undertaken by the city council: Asphalt pavement, Adelaide street, Church to Jarvis, cost \$8,447; Belmont street, from Yonge street to Davenport road, cost \$7,729; Atlantic avenue, from Liberty street to 224 feet south, cost \$1,129; Sheridan avenue, from Dundas street to Lindsay avenue, cost \$4,940. Cement concrete sidewalks, north side Davenport Place, from Davenport road to 358 feet east, cost \$288, and south side, from Davenport road to 505 feet east, cost \$685; north side Farley avenue, Tecumseh to Niagara, cost \$878, and south side same street, cost \$871; south side Queen street, from Parliament to Power, cost \$560, and from Sackville to 246 feet east of Power, cost \$301; south side of Queen street, Sackville to Sumach, cost \$1,194, and from 522 feet

THE PHOENIX BRIDGE & IRON WORKS, MONTREAL GENERAL STEEL CONTRACTORS

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

McGREGOR & McINTYRE, LIMITED, 65 to 73 Pearl Street, Toronto, Ont. STRUCTURAL IRON WORKS

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

WRITE FOR ESTIMATES.

OUR 1904 WISH

We Wish Our Customers, Both Present and Prospective, A Bright and Prosperous New Year

W. H. C. MUSSEN & CO.

RAILWAY, MINING AND CONTRACTORS' SUPPLIES

763-765 Craig Street

MONTREAL, P. Q.

west of Strachan avenue to 1,095 feet further west, cost \$1,314; south side Belmont street, from McMurrich to Davenport road, cost \$683; east side Logan avenue, Queen to Natalie, cost \$458; south side D'Arcy street, McCaul to Beverley, cost \$936; west side Berkeley street, Esplanade to Front, cost \$761; west side Sherbourne street, King to Britain, cost \$1,012; west side Clinton street, from Mansfield avenue to College street, cost \$861; north side Ulster street, from Bathurst to Euclid avenue, cost \$1,250; north side of Bloor street, from Dufferin to Brock avenue, cost \$867; south side Sussex avenue, from Huron to St. George, cost \$422. — Building permits have been granted as follows: E. Taylor, pair two and a half-storey brick and stone dwellings, west side Delaware avenue, near Hepbourne street, cost \$3,000; N. Ausman, two and a half-storey brick dwelling, 104 Albany avenue, cost \$3,200; F. T. Burgess, one-storey brick store, 770 Queen street east, cost \$2,000; Jas. Lindela, four-storey stone and brick tenement house, 159 and 161 York street, cost \$24,000; Connerly & Hillman, pair two storey brick and plaster dwellings, north side Hallam street, near Shaw street, cost \$1,600.

FIRES.

Dry kiln of the Canada Cabinet Co., at Gananoque, Ont., totally destroyed, loss \$8,000.—Planing mill of T. Atchison & Co., Hamilton, Ont., damaged to the extent of \$15,000.—Factory of the National Table Co., Owen Sound, Ont., completely destroyed, loss \$50,000.

CONTRACTS AWARDED.

MONTREAL, QUE.—The tender of A. Bourgie has been accepted for building a new morgue on St. Catharine street.

MOUNT FOREST, ONT.—The contract for plumbing in the Knapp House has been let to Scott & Murphy, of this town.

BURNS, ONT.—Morningson township council has accepted the tender of James Rustin for construction of the Langford drain; price \$1,250.

GODERICH, ONT.—The McKillop township council has awarded the contract for ten steel bridges to the Mitchell Bridge Co., of Mitchell, Ont. F. Gutteridge has the contract for the cement work.

The Three Rivers Planing Mills Company, Three Rivers, Quebec, has obtained a charter.

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

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. DINNICK, Vice-Presidents.

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

Our Guarantee

As Manufacturers goes with every piece of . . .

WIRE ROPE

WE SEND OUT.

THE DOMINION WIRE ROPE CO., LIMITED

MONTREAL

DEPOSITING CONCRETE UNDER WATER.

Laying submerged concrete for the Nussdorf lock at Vienna was described in the *Zeitschrift* of the Austrian Society of Engineers recently. The excavation was made to a depth of 26'24 feet below water level and a very large mass of concrete was deposited over the surface through movable vertical chutes. The lock has a total width of 92 feet over all and 49'2 feet clear inside. The excavation was made full width between sheet piling, and the bottom was filled in with rammed sand and gravel so as to form a kind of invert, with its upper surface horizontal in the middle and sloping upwards a little on both sides. On this foundation was built a mass of concrete having a total thickness of 13'12 feet in the centre, where the upper surface was 13'12 feet below water level. At the sides of the lock the concrete walls were carried up to a height of 3'28 feet above water level, with a thickness of 8'2 feet. Three longitudinal rows of piles were driven on each side of the axis of the lock and supported a six-rail track about 7 feet above water level. On this track moved three carriages which spanned the full width of the lock transversely. Each carriage had three trolleys, one in each of the main panels of the transverse bents of piles. Each trolley carried a vertical telescopic tube through which concrete was deposited on the bottom of the lock. The tops of these tubes were level with a transverse track which ran from end to end of the carriage. The ends of these tracks just cleared the outside rows of piles which, on one side of the lock, supported a distribution track parallel with the axis of the lock. The concrete was delivered by dump cars running on the distribution track which delivered it to smaller dump cars on the carriage tracks. These cars in turn discharge their contents into either of the three chutes on each carriage. The carriages were traversed from end to end of the lock, and as each chute moved nearly one-third the length of the carriage, the whole area of the lock was commanded by the nine chutes. The concrete was deposited in three horizontal layers 3'28 feet thick, but these layers were not laid

continuously, being built in comparatively narrow banks or ridges, so that the different strata would key together and form a corrugated mass that was thought to be more satisfactory than one with continuous horizontal joints. As the concrete was deposited the chutes were shortened, and the three layers were successively placed. After the main body of the bottom and the side walls had been built by this method, the water was pumped out and a 23-foot layer of concrete was rammed over the bottom and completed with a finishing surface 0'9 foot thick. The chutes were of different lengths in the three carriages, the first ones depositing the concrete up to a level of 23 feet below the surface, the next set depositing the concrete between that level and 19.7 feet, and the last completing the sub-aqueous work up to the final height of 16.4 feet below the surface.

CONVENTION OF MASTER PAINTERS.

The annual convention of the National Association of Master House Painters and Decorators of United States and Canada will be held in Toronto, February, 9, 10, 11 and 12, 1904. This will be really the first international convention and it is being looked forward to with considerable interest. It is expected that there will be a large attendance of painters from the leading Canadian cities and towns.

Speight & Van Nostrand LAND SURVEYORS, ETC.

Room 405 Temple Building, TORONTO, CAN.
Field Notes of the late F. F. Passmore.

The Northern Industrial Company, Limited, of Montreal, has been incorporated, to manufacture charcoal products, lumber, pulp, paper, etc.

The Winnipeg Ceiling & Roofing Company has been incorporated at Winnipeg, Man., with a capital of \$50,000. The promoters are William J. McMartin and M. J. McMarrin, of Duluth, and W. D. McFarlane, H. M. Howell and J. G. Mathers, of Winnipeg.

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

Manufacturers of

"HERCULES" BRAND OF PORTLAND CEMENT

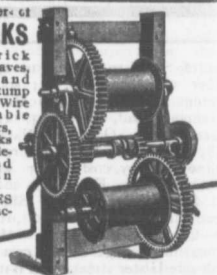
Very finely ground. Unsurpassed for Sidewalks, Floors and all work requiring the Highest Grade of Portland Cement. For prices address,

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

Manufacturers of

L. ERRICKS

and Derrick
irons, Sheaves,
Hooks and
Chains, Stump
Pullers, Wire
and Cable
Stretchers,
Tackle Blocks,
Material Elevators,
and
Hoisting
Engines,
and
Contractors' Supplies.



National Hoist & Machine Co.
463 West 22nd Street, Chicago

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., PREST

OFFICES: 12-15 Babb's Block, - - NAZARETH, PA., U. S. A.
509-510 Manning Chambers, TORONTO, ONT., CAN.

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

PORTLAND CEMENT, HYDRAULIC LIME, CHINA CLAY

E. FREEMAN, 20 Bucklersbury, LONDON, ENG.



Sole Agent for U.K. and Colonies for Oldest Continental Works

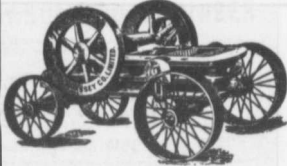


Supplying to Contracts on the Principal Railways, Large Sewage and Sea Defence Works, etc., in England. Will be Pleased to Quote to the Wholesale Trade Only.

CORRESPONDENCE INVITED FOR CONTROL OF BRANDS

Mr. Ballantyne, Canadian manager of the Sherwin-Williams Company, Montreal, states that prices on paints and varnishes remain the same for the opening season, with the exception of a few lines which are advanced. The firmness is due to the fact that, with the exception of linseed oil, all raw materials necessary for the manufacture of paints and varnishes have increased in cost.

ROCK CRUSHERS



for Municipalities or Contractors
ELEVATORS AND SCREENS
of all dimensions and capacities built to order.

A full stock of Road Making and Contractors' Supplies.
FREE CATALOGUE.
SAWYER & MASSY CO., LIMITED
Road Machinery Department.
HAMILTON CANADA

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.

ARTIFICIAL STONE PAVEMENTS

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

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

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

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

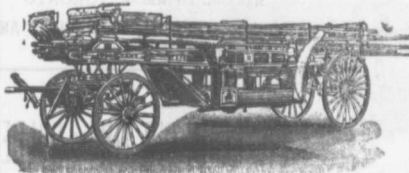
The Leading Canadian Portland Cement.

Capacity of Works: 500,000 Barrels Per Year.

The RATHBUN CO. St. Lawrence Portland Cement Co.
310-312 Front Street West, TORONTO, ONT. 202-203 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.

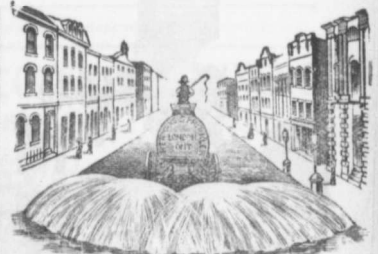
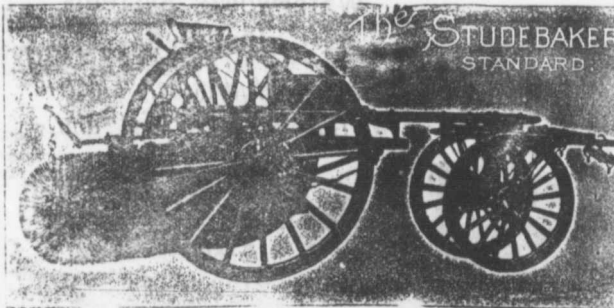
BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

IN THREE SIZES—10, 12 and 16 ton.

CORRESPONDENCE SOLICITED.

WATEROUS, Brantford, Canada

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



Studebaker Sprinkler

(PATENT IMPROVED.)

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

We also make an . . .

IMPROVED VERTICAL SPRAY

for Pavements.

Geo. Heaman, Mnfr., London, Ont.

Street Sweeping Machine Is the Standard of Perfection

Because no sweeper so effectually does the work for which it is designed as "The Studebaker." It Sweeps Clean. No sweeper is constructed with the same degree of care and mechanical precision. It Wears Well. "The Studebaker" has the smallest 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

BUSINESS NOTES.

Davis & Ezerman, Michell, Ont., are advertising their planing mill for sale.

The Consolidated Rubber Tile Company, of Canada, Limited, has been incorporated in Montreal.

The dissolution is announced of the firm of J. N. Arcand & Company, painters, Montreal.

Incorporation has been granted incorporating the Manitoba Composite Brick Manufacturing Company, with a capital

stock of \$100,000. Winnipeg is to be the chief place of business.

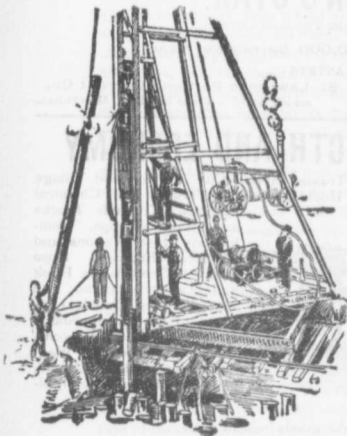
The Smeeth planing mill at Goderich, Ont., has been purchased by J. C. Goldthorpe, who is forming a joint stock company to operate it.

Samuel Cameron, who died at his home near Cornwall, Ont., December 17th, was a well known railroad contractor for many years. He was born in Cornwall 76 years ago, being a son of the late Col. Cameron.

A. H. Poole, contractor, Sydney, N.S., is reported to have assigned.

J. F. Reid & Company, plumbers, etc., Smith's Falls, Ont., are said to be offering to compromise at thirty cents on the dollar.

A suit is in progress between the Bay of Quinte Railway Company and the Hungerford Marble Company to determine the value of the marble quarry taken by the railway company for its right-of-way.

**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 DELAND-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

208 Queen St. E.—Phone M. 2007.

Pumps for Waterworks

**Waterworks Systems
Installed**

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

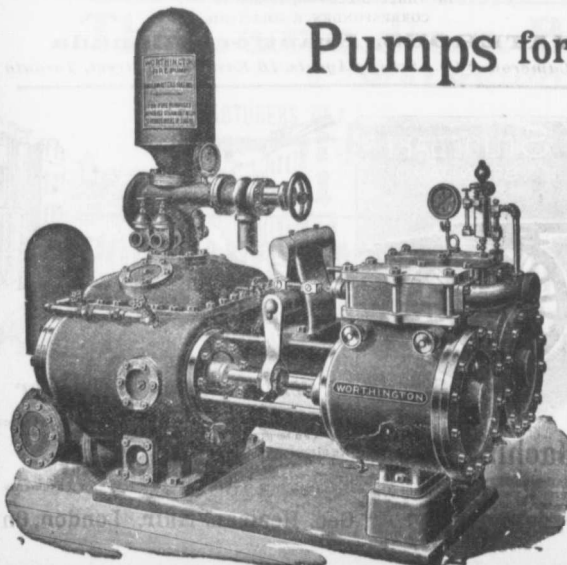
**Steam Boilers and
Filters**

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

Telephones: Office—Long Distance Main 3047
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.

JAMES C. KENNEDY,

MEM. CAN. SOC. C. E.

Civil and Hydraulic Engineer

Examinations, Reports, Plans, Estimates, Supervision of Construction of Water Powers, Waterworks, Sewerage, etc.

P. O. Box 131, HAWKESBURY, ONT., and
877 Dorchester Street, MONTREAL, QUE.

ROSS & HOLGATE

Consulting and Supervising Engineers

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

80 ST. FRANCIS XAVIER ST. - MONTREAL

RAILS For Contractors, Switches, Gir-
ders, &c.,
New and Second Hand
LOCOMOTIVES AND CARS

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 RAILWAYS, STRUCTURAL STEEL.

Niagara Falls, Canada

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

CHARLES BRANDEIS

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

CONSULTING ENGINEER

Estimates, Plans and Supervision of Hydraulic and Steam-Electric Light, Power and Railroad Plants. Specifications, Reports, Switchboard Designs, Complete Factory Installations, Etc.
Long Distance Telephone Main 32 6
Cable Address: Brandeis-Montreal.

W. U. Code, Univ. Edition.
Liverpool & London & Globe Building.
MONTREAL

"IMPERIAL BRAND" PORTLAND CEMENT

You will surely admit that the best is none too good, and if you are requiring Cement give "IMPERIAL BRAND" a trial. We guarantee our product and can ship a quantity at once. Write for prices, etc., to

The Imperial Cement Company, Limited
OWEN SOUND, ONT.

THE CANADIAN SEWER PIPE CO.

MANUFACTURERS OF



FOR

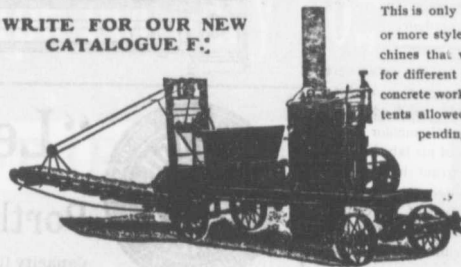
Sewers, Culverts and Water Pipes
Inverts for Brick Sewers

WRITE FOR DISCOUNTS

ST. JOHNS, P. Q. HAMILTON, ONT. TORONTO, O. V. T.

The Greatest Concrete Mixer Yet Made

WRITE FOR OUR NEW CATALOGUE F.



This is only one of 30 or more styles of machines that we make for different kinds of concrete work. 10 patents allowed, others pending

NUMBER OF PATENTS

35,664
672,934
675,055
675,056
675,057
698,182
698,910
699,667
699,668
701,312

Also Mortar and Asphalt Mixers

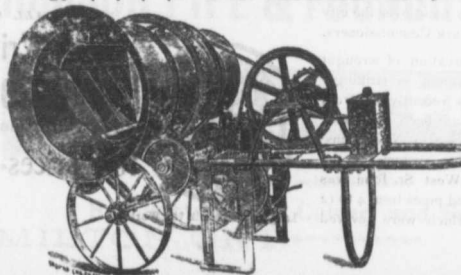
DRAKE STANDARD MACHINE WORKS

Factory, 79-11-13 Garden Street, Chicago. Office and Storeroom, 208-300-302 W. Jackson Bldg. CHICAGO, ILL., U. S. A.
Eastern Agent, Walter S. King, 27 St. John's Place, Brooklyn, N. Y.

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 continuously or in batches, and can be operated either by Hand, Steam or Gasoline Power.



A CONCRETE BRIDGE.

What is claimed to be the first solid cement bridge of its kind in the province was that erected last summer about a mile east of Tavistock, over a small creek on the boundary of Perth and Oxford counties. It has a span of thirty feet, with absolutely no support underneath between the abutments at each end, and yet the thickness of the floor is only fourteen inches. Seven days after this bridge was built it allowed the passage over it of a twenty-ton load without a tremor. The abutments at each end are 3½ feet thick at the base and 2½ feet at the top. Like the rest of the bridge, they are solid cement. A railing about three feet high is also of solid cement. The bridge cost \$635. Extremely interesting is the manner of its construction. A wooden substructure is first built. Upon this the floor of the bridge is laid. Upon four inches of cement inch and three-quarter steel rods are laid, running lengthwise, and ten inches apart. Three inches more of cement are laid on this, then a layer of woven wire is put on. Over this another coating of cement is laid, then another layer of wire, and on top of all enough cement to make up the total thickness of fourteen inches. The railing, which is also strengthened with wire, is an important factor, as it helps to bind the bridge together and increase its strength. This is by reason of heavy bolts run downward through the railing and fastened firmly to the floor.

Some 219,160 feet of cement walks were laid this year in the town of Orillia, Ont., at a cost of \$27,000. The work was done under the supervision of Councillor Todd. As a slight recognition of his labors a motion was introduced to grant him the sum of \$100, but certain aldermen protested, saying that other members of the council had worked hard and faithful and had never received any remuneration. The motion was voted down.

The first year of city ownership of the Stratford, Ont., waterworks shows that the works have been run at a net profit of \$2,458.91. All this, however, has been invested in much-needed extensions. Extensions to mains have been made at a cost of \$8,464.39, this being expended upon over 5,000 feet of new mains. This week the electors will vote on a by-law to hand over the waterworks to a Board of Commissioners, also to hand over the city parks to a Board of Park Commissioners.

The excellent preservation of wrought iron by hydraulic cement is strikingly illustrated by samples recently cut from a water pipe that had been forty-four years in constant service in New Brunswick. The distribution system for the city water supply of West St. John was laid in 1859 with riveted pipes from 4 to 12 inches in diameter, which were covered

inside and outside with coatings of pure Rosendale cement about 1 inch thick. The metal was a good quality of soft wrought iron rolled to No. 22 gauge, and many of the pipes are still in service under a pressure of 60 pounds per square inch. Samples recently cut out by Mr. William Murdock, superintendent of water-works, were found to be in surprisingly good condition, and one piece was split down the side and flattened so as to be easily packed, and was sent to Mr. J. A. Jamieson, C. E., Montreal, in whose office it may be

seen. Despite the severity of the treatment received, a large proportion of the surface of the iron is still covered with the cement mortar, which adheres firmly, and wherever the metal is exposed, it is bright, and entirely free from rust.

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.

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 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.

The KERR ENGINE COMPANY, Limited

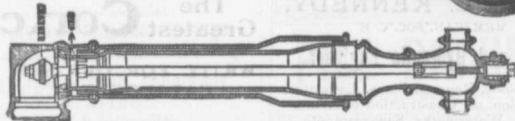
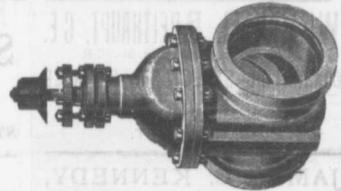
PUMPING MACHINERY

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 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—

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

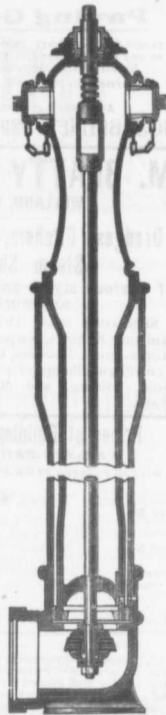
Toronto Hydrants are fitted with frost cases separated from the hydrant, thereby preventing injury due to upheavals of the ground by frost.

SEE OUR BULLETIN No. 7.

Canada Foundry Co., Limited

Head Office - Toronto, Ont.

District Offices: MONTREAL HALIFAX OTTAWA WINNIPEG
VANCOUVER VICTORIA ROSSLAND



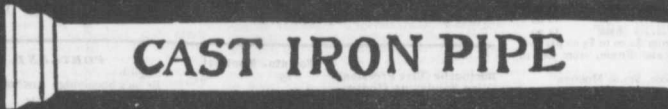
THOS. J. DRUMMOND, President

JAMES T. MCCALL, Secretary-Treasurer

C. ED. GUDWILL, 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:::



CAST IRON PIPE

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

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.

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

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

Prices of Building Materials.

PRESSED BRICK, Per M.

	F.O.B.	F.O.B.
	Milton, Ont.	Most ea
Red No. 1	18 00	20 00
" 2	14 00	16 00
Huff No. 1	20 00	20 00
" 2	18 50	20 00
Brown	25 50	25 50
Roman Red	30 50	30 50
" Buff	33 50	33 50
" Brown	40 50	40 50
Hard Building	12 50	12 50
Sewers	13 00	13 00
Backing	11 50	11 50

Please write to head office, Milton, Ont., for catalogue and prices.

DON VALLEY PRESSED BRICK WORKS.

Nos 1, and 2 Red Pressed Bricks	15 00	15 00
Nos 1 and 2 Buff Pressed Bricks	15 00	15 00
No. 3 Brown Pressed Bricks	15 00	15 00
Pompeian Red, Buff and Brown Pressed Bricks	15 00	15 00
Ornamental Bricks of all kinds for Mantel purposes	15 00	15 00
Porous Terra Cotta Fireproofing of all Descriptions	15 00	15 00
Vitrified Street-Paving Bricks	15 00	15 00
Semi-Vitrified Foundation Bricks	15 00	15 00
Common Stock Red and Grey Bricks	15 00	15 00
Sewer Bricks	15 00	15 00
Stone for Macadamised Roadways	15 00	15 00

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

TORONTO PRESSED BRICK AND TERRA COTTA WORKS

	F.O.B.	F.O.B.
	Milton, Ont.	Montreal.
Red No. 1	18 50	18 50
" 2	10 50	16 00
" 3	8 50	14 00
Buff No. 1	15 00	20 00
" 2	13 00	18 50
Brown	20 00	25 50
Roman Red	30 00	30 50
" Buff	30 00	33 50
" Brown	35 00	40 50
Hard Building	6 50	10 00
" Sewers	6 50	10 00
" Back ng	6 00	11 50

Moulded and Ornamental from \$2.00 to \$5.00 per 100, Terra Cotta String Courses and Frieze, from 50c. to \$2.00 per ft. run.

BEANSVILLE BRICK AND TERRA COTTA CO.

	F.O.B.	F.O.B.
	Beausville, Mont.	Al.
Red Peerless Facing	15 00	20 50
" No. 1	11 00	15 50
" No. 2	8 50	14 00
" No. 3 Peerless Facing	20 00	25 50
" No. 1	18 00	23 50
Buff Peerless	20 00	25 50
" No. 1	18 00	23 50
" No. 2	15 00	20 50
Moulded and Ornamental Brick from \$1 to \$5 per C.	15 00	20 50
Roman Red (Size 12 x 4 x 1 1/2 in.)	28 00	33 50
" Buff	27 00	33 50
" Brown	34 00	39 50
Vitrified Pav. Brick No.	15 00	20 50
Sewer	6 00	11 50
K. A. P. 1 1/2	22 00	27 50

FIRE BRICK

	F.O.B. Toronto	Less	F.O.B. Montreal
Boyd	21 00 M.	36 00 M.	
W. W. Co.	24 50 M.	28 50 M.	
Savage Crown	28 50 M.	32 00 M.	

STONE.

	Toronto.	Montreal
Common Rubble, net tons, delivered at building	13 50	11 00
Large flat Rubble, net tons, delivered	14 00	18 00
Foundation Blocks, per cu. ft.	30	30
Granite (Stanstead) Ashlar, 6 in. to 18 in., rise 9 in., per ft.	85	85
Amherst Red Sandstone		70
Amherst, N.S., per cub. ft. 3/4-kvill - N.R. brown stone		70
F. O. B. Quarries	35	45
Manitoulin	30 00	
Sea steud granite paving blocks, 8 in. x 12 in. x 4 in.		50 00
Granite curbing stone, 6x 24 in. per M.		50 00
Granite curbing stone, 6x 24 in. per lineal foot		70

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,
38 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

SEWER PIPES, CULVERT PIPES, ETC.
VENT LININGS, FLUE COVERS, FIRE BRICKS, FIRE CLAY, WHITING.

Importers of

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



	Toronto.	Montreal.	English - Toronto.	Montreal.
Butoche Olive Freestone Olive Sandstone (Indiana-town, N. B.)	85	65	Br ok's Shoobridge Anchor	2 35 2 40 2 00 2 10
Brown Sandstone (Sackville, N. B.)	80	70	Excelsior Brand	2 15
Black Pasture buff stone per cu. ft.	50	60	Belgian "Castle" Brand	2 10 2 15
Novo Scotia blue grey per cu. ft.	50	60	"Jensen" Brand	2 60 2 70 2 30 2 41
St. Mary's, per cord	4 00	3 50	"North's Concor	2 40 2 10 2 10 2 15
Footings, 2 1/2 to 3 in. wide, 6 in. thick, per running foot	70	65	Cathedral	2 25 2 50 2 00 2 10
Bridge Stone, 10 to 13 in. thick, f. c. b. St. Mary's, per cord	6 00	9 00	"White Cross"	2 15 2 20 1 85 1 95
Granite (Laurentian Pink) Ashlar, 6 to 9 in., rise 9 in., per cu. ft.	25	35	Atlas	2 25 2 35 2 10 2 25
Dimension Stock Granite (Laurentian Pink) for building purposes, per cu. ft., f. o. b. quarries	40	40	Hammer	1 80 1 90
Do., for polishing purposes, up to 2 tons weight, per cubic foot	60	60	Sans	1 80 1 90
Paving sets, per thousand block	60 00	60 00	Red Cross Brand	1 90
			Waterloo	2 30 2 35 2 20 2 25
			Rauvel's 905 lb. bbl.	2 55
			White Star	2 25 2 55 1 96 2 00
			Gerard	2 10 2 40
			Offen acher Brand	2 80 2 90 2 30 2 45
			Dyckerhoff	2 40 2 50 2 30 2 50
			Karlstoff	2 80 2 90 2 30 2 35
			Hennemoot	2 30 2 35 2 20 2 25
			Cannon	2 40 2 50
			Heidelber	2 30 2 40
			Star Brand	2 10 2 40
			Invincible	2 30 2 40 2 00 2 10
			Ensign	1 90 2 20
			Citadel	2 00
			Trowel	1 75 1 80
			Samson Brand	2 00 2 05
			Magnet	1 75 1 80
			Monarch	2 10
			Hercules	2 30 2 40
			Lion Brand	2 00 2 25
			Imperial	2 10
			American	2 00 2 10 2 20 2 25
			Alpha Brand	2 50 2 60 2 25 2 35
			Allen's	2 50 2 60 2 20 2 35
			Lenigh, in bbl., 375 lbs.	2 00 2 50
			" cotton sacks, 250 net	2 00 2 10 2 25
			" paper bags	2 30 2 10 2 35
			Keene's Superfine "Whites"	10 00 12 00 5 00 10 00
			Keene's Course "White s"	6 50 7 00 5 50 5 00
			Fire Bricks, Newcastle, per M	27 00 32 00 18 00 22 00
			Scott	28 00 33 00 17 00 22 00
			Plaster, Calined, N. B.	2 00 2 00 2 00
			" N. S.	2 00 1 85 2 00