

CANADIAN Contract Record

*A Weekly Journal of Public Works, Tenders,
Advance Information and Municipal Progress*

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. 16.

TORONTO, MONTREAL — JANUARY 31, 1906 — WINNIPEG, VANCOUVER

No. 48

THE CANADIAN CONTRACT RECORD

PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Architect and Builder.

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

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

CONFEDERATION LIFE BUILDING, TORONTO
Telephone Main 2363.

Branch Offices:

38 Alliance Building, Montreal,
Telephone Main 2299.

730-731 Union Bank Building, Winnipeg.
Telephone 1274

536 Hastings Street, Suite 3, Vancouver, B. C.
Telephone 1943.

Subscribers who may change their address
should give prompt notice of same. In doing so
give both old and new address. Notify the pub-
lishers of any irregularity in delivery of papers

TOWN OF BARRIE

Debentures for Sale

Sealed tenders will be received by the under-
signed up till noon FEBRUARY 15TH, 1906, for
\$15,000 4½ per cent. debentures. No tender
necessarily accepted. For further particulars
apply to

R. DONNELL,
Town Treasurer.

Barrie, January 20th, 1906.

TOWN OF PICTON

PROVINCE OF ONTARIO

ELECTRIC LIGHTING

NOTICE

Sealed tenders will be received by the Sec-
retary of the Board of Commissioners for E. L. &
W. W. until 6 p.m. on

Thursday, February 15th, 1906

for furnishing One Alternator of 175 k w. cap-
acity, and other necessary Power House Equip-
ment, Enclosed Arc Lamps, Wiring, etc.

General specification, forms of tender, and
sketch plan of the town may be seen at the
office of the Secretary of the Board of Com-
missioners for E. L. & W. W. at Picton, or at the
office of the Chief Engineer, 103 Bay Street,
Toronto.

No tender necessarily accepted.

H. B. BRISTOL, ESQ.,
Chairman Board of Commissioners for E.
L. & W. W., Picton, Ont.

D. L. BONGARD, ESQ.,
Secretary Board of Commissioners for E.
L. & W. W., Picton, Ont.

GEO. M. FARRINGTON, ESQ.,
Mayor, WILLIS CHIPMAN,
Picton, Ont. Chief Engineer,
103 Bay St.,
Toronto, Ont.

Partnership wanted in Contractor's Business
in Toronto by experienced Engineer with cap-
ital; the highest references given and required.
Address Box 39 CONTRACT RECORD, Toronto.

Position Open

Wanted—A first-class, educated and experi-
enced architectural draughtsman, with suffi-
cient technical knowledge of construction to
assume office charge and direct general archi-
tectural work. To the right man can offer first-
class permanent position. Correspondence
solicited from those who can fully meet the
requirements named, no others need apply.
W. W. LA CHANCE, Architect,
P. O. Box 613, Regina, Sask.

To Contractors

Tenders will be received by the undersigned
up to 5 o'clock p.m. on WEDNESDAY, FEBRU-
ARY 7TH, for the various trades, except heating,
required for additions and alterations to Hotel
building at corner of Queen Street and Becons-
field Ave., Toronto. Tenders separate or in
bulk. The lowest or any tender not necessarily
accepted.

A. W. HOLMES, Architect,
10 Bloor St. East, Toronto.

TENDERS WANTED

Bulk or separate, sealed tenders, marked
"Tenders" on envelopes, will be received by the
undersigned up to six o'clock p.m. on THUR-
SDAY, THE 15TH DAY OF FEBRUARY, A.D.
1906, for the following trades required in the
erection and completion of a Methodist Church
for the Eastern Methodist Congregation of Nap-
eance, Ontario, viz. masonry and brickwork;
carpenter and joiner work; lathing and
plastering work; steam heating; hot
air heating; plumbing; metal work;
painting and glazing. Plans and specifica-
tions for same may be inspected at the
office of B. Dillon, Architect of Brockville, Ont-
ario, or at the office of the undersigned.
The lowest or any tender not necessarily
accepted.

W. F. HALL,
Secretary Building Committee,
Napaeance, Ont.

Dated this 25th day of January, A. D. 1906.

CORPORATION OF THE TOWN OF PORTAGE LA PRAIRIE

Engineer Wanted

Applications for the position of
Resident Engineer of the Town of
Portage la Prairie will be received
up to FEBRUARY 2ND, 1906.
Duties to commence on April 1st.

By order,

F. A. WHITAKER,
Town Clerk.

Portage la Prairie, Jan. 9th, 1906.

CARPENTER

Young American, I.C.S. student, wishes posi-
tion as foreman or assistant superintendent on
reinforced concrete work; experienced on Turner
construction system. Box 76, CONTRACT
RECORD, Toronto.

Sealed Tenders

Sealed bids will be received by the undersig-
ned up to 12 o'clock on WEDNESDAY, FEB-
RUARY 7TH, for all trades required in the erec-
tion of a Residence in MacPherson Avenue East.

Plans and specifications can be seen at the
office of the Architect, to whom tenders are to be
addressed.

The lowest or any tender not necessarily ac-
cepted.

F. S. BAKER, Architect,
Mail Building, Toronto.

TENDERS FOR PORTLAND CEMENT

Sealed tenders, addressed "S. R. Armstrong,
City Clerk, Peterborough, Ont.," and endorsed
"Tenders for Cement", will be received up to
FEBRUARY 20TH, 1906, for supplying 4,000
barrels more or less of Portland Cement. Ten-
ders will state whether cement is packed in
sacks or barrels, net weight per sack or barrel,
and price f.o.b. Peterborough. Sample tests will
be made from consignments before acceptance.
Delivery to commence not later than May 2nd,
1906. A marked cheque for an amount equal to
5 per cent. of total contract must accompany
each tender. Specifications furnished on appli-
cation. The lowest or any tender not necessarily
accepted.

S. R. ARMSTRONG,
City Clerk.

CITY OF REGINA

Tenders for New City Hall

The Corporation of the City of Regina will
receive sealed tenders, marked "Tender for New
City Hall", up till noon of FRIDAY, 16TH FEB-
RUARY, 1906, for the construction of a new City
Hall in the City of Regina, Sask., according to
plans and specifications prepared by Messrs.
Dodd & Hopkins, Architects, Calgary, which
may be seen at their offices at Regina, Sask., and
Calgary and Edmonton, Alta., as well as at the
Builders' Exchange in Winnipeg, Toronto and
Montreal.

Each tender to be accompanied by a certified
cheque drawn upon any chartered bank of
Canada payable to the order of the City of Regina
to the extent of 5 per cent. of the total amount of
such tender, which will be forfeited should the
Contractor fail to enter into a satisfactory con-
tract when notified to do so.

The Contractor whose tender is accepted will
be required to furnish a bond for \$10,000.00 or
three sureties for \$10,000.00 each satisfactory to
the City Council.

The City Council reserve the right to reject any
or all tenders.

J. KELSO HUNTER,
Secretary-Treasurer.

Regina, Sask., 24th January, 1906.

CONTRACTS OPEN.

GRANDE BAIE, QUE.—Price Bros.
will erect a pulp mill here.

HESPLER, ONT.—The Methodist
church here will be enlarged.

SELKIRK, MAN.—Plans will be pro-
duced at once for a new school.

GAINSBOROUGH, SASK.—A new
Baptist church will be built here.

PICTON, ONT.—A new heating system will probably be installed in the public school.

PORT STANLEY, ONT.—The Council are considering a proposition for electric lighting.

KAMLOOPS, B. C.—The waterworks and electric light by-laws were defeated here last week.

LETHBRIDGE, ALTA.—Piche & Miron will build a two-storey store on Round street.

QUEBEC, QUE.—The erection of an Anglican church on Maple avenue is under consideration.

STRATFORD, ONT.—The Grand Trunk shops here will be enlarged, at an estimated cost of \$75,000.

HARROW, ONT.—Tenders are being taken by Rev. Father Reneaud for erection of R. C. presbytery.

CORNWALL, ONT.—The McGill Chair Company will shortly proceed with the erection of a factory.

SARNIA, ONT.—Tenders have just been taken for the construction of a sewer on Kathleen avenue.

SASKATOON, SASK.—J.W. Stewart, of the Frost & Wood Company, purposes building on First avenue.

PRESTON, ONT.—Boring is taking place in connection with the proposed waterworks system here.

ORILLIA, ONT.—The Buffalo Ice Company will build a warehouse here 400 x 100 feet and 40 feet high.

NELSON, B. C.—The British Columbia Government has been petitioned to build a new court house here.

GLACE BAY, N.S.—The Dominion Coal Company contemplate building a large number of miners' houses.

SHERBROOKE, QUE.—The Sherbrooke Power, Light & Heat Co. intend making improvements to their power house and plant.

NEEPAWA, MAN.—A site for the proposed post office has been selected on the east side of Mountain avenue.

GODERICH, ONT.—J. A. Fowler, architect, has prepared plans for remodeling and improving the town offices.

BRANDON, MAN.—The Rat Portage Lumber Company will erect a four-storey warehouse here in the spring.

PRINCE ALBERT, SASK.—The Council have decided to offer a free site for the Provincial Government building.

PORT ARTHUR, ONT.—The Council have appointed a committee to report on the extension of the municipal power plant.

SARNIA, ONT.—M. R. Burrows, architect, has been instructed to prepare plans for additions to the public library building.

PETROLEA, ONT.—The Town Council have agreed to provide the sum of \$17,000 for the erection of a new central school.

COOKSHIRE, QUE.—The ratepayers have approved of a by-law to aid J. T. Brock and associates to extend their foundry.

BERLIN, ONT.—The Berlin Rink & Auditorium Company have decided to install an artificial ice equipment costing probably \$8,000.

PEMBROKE, ONT.—J. Newton Ker, C.E., of Ottawa, has been engaged as engineer for the construction of proposed intake pipe.

MILTON, ONT.—Halton County Council have unanimously decided to proceed at once with the erection of a House of Refuge in this town.

FORT WILLIAM, ONT.—James D. McGregor and John C. Murray contem-

plate erecting two office and store buildings on Victoria avenue.

GUELPH, ONT.—L. C. Wideman, architect, has taken tenders on alterations and additions to the store premises of E. R. Rollerot & Company.

FOREST, ONT.—R. W. Fawcett, architect, of Sarnia, is preparing plans for extensive alterations to James Maylor & Sons' departmental store.

WATERLOO, ONT.—W. C. Bechtel has purchased 14 acres of land and intends erecting a modern brick making plant costing about \$12,000.

WALKERTON, ONT.—The Chairman of the Fire & Water Committee will submit a report to the Council on the cost of installing water meters.

KINGSTON, ONT.—H. P. Smith, architect, is taking tenders up to February 3rd for erection of club house for the Kingston Yacht Club Association.

DIGBY, N. S.—Steps are being taken to secure the erection of a new court house and jail. Plans for same have been prepared by F. R. Fair, architect.

ARNPRIOR, ONT.—The Diamond Park Mineral Water Company intend building large bottling works this spring on corner of John and William streets.

STRATHCONA, ALTA.—A by-law will be submitted to the ratepayers to issue debentures for \$35,000 for a waterworks pumping engine and other plant.

ROSSLAND, B.C.—It is stated that the Canadian General Electric Company have bought a site here on which to erect a plant for the manufacture of mining machinery.

STURGEON FALLS, ONT.—M. Healy, of Smith's Falls, was here last week in connection with plans for a new hotel to be built on corner of King and John streets.

MCIVER, ONT.—John McIver, Indian Agent here, will receive tenders up to Wednesday, February 28th, for erection of a church building on the Cape Croker Indian Reserve.

ORANGEVILLE, ONT.—The Hendrel Manufacturing Company have purchased the Orangeville Furniture Company's factory and intend building an addition in the spring.

ESSEX, ONT.—The Road and Bridge Committee of the County Council have recommended the construction of a steel bridge over the Canard river, at a probable cost of \$5,000.

NEW LISKEARD, ONT.—W. A. Middleton is promoting a company to establish a plant for the manufacture of paint from galena. It is proposed to build a crusher at Cobalt and a factory at this place.

PORTAGE LA PRAIRIE, MAN.—It is probable that a by-law to empower the Council to issue \$50,000 of debentures to complete the waterworks system will be submitted to the ratepayers early in the spring.

EAGLE CREEK, SASK.—Tenders are invited by H. Jeffreys de Winton up to February 6th for erection of school house, and up to February 15th for purchase of \$1,500 ten-year school debentures.

EAST TORONTO, ONT.—The Dominion Bank have leased a site on the south-east corner of Queen street and Broadview avenue and intend building thereon a branch bank costing not less than \$12,000.

UXBRIDGE, ONT.—The Town Council have appointed a committee to engage an engineer to report on a waterworks system, and another committee to report on the probable cost of building an Isolation hospital.

PORT ARTHUR, ONT.—Hedges & Burleigh, of Boston, have entered into an agreement with the Town Council to establish large steel tube works here costing about \$700,000. The Town will give them a site of 100 acres.

ST. CATHARINES, ONT.—It is expected that work will shortly be commenced on the proposed improvements to the police station. The plans as prepared by A. E. Nicholson, architect, show that the cost will be about \$6,000.

REGINA, SASK.—F. Gelinas, Secretary Department of Public Works, Ottawa, will receive tenders up to Friday, February 23rd, for the construction of post office building here. Plans on application to W. T. Mollard, Clerk of Works.

INNISFAIL, ALTA.—The School Board are considering plans for a \$30,000 brick school building here.—A by-law is being prepared to raise \$8,000 for fire protection.—H. McDermott, jeweller, will erect a large business block this spring.

GRAND FALLS, N. B.—The concrete dam proposed to be constructed by the Grand Falls Power Company will be 540 feet long between abutments and 28 feet high. It is understood that the Provincial Government will shortly approve of the plans.

APPLE RIVER, N. S.—The Department of Public Works, Ottawa, are asking for tenders up to February 19th for the construction of a breakwater at this place. Plans at offices of C. E. W. Dodwell, Resident Engineer, Halifax, and on application to the Postmaster.

OWEN SOUND, ONT.—The question of erecting a new public building for the joint use of the Town and County is being discussed.—The Electric Light & Power Committee will no doubt consider at an early date the question of extending the electric light plant.

WATFORD, ONT.—The Lloyd Automatic Wire Weaving Company, of Toronto, have made a proposition to the Village Council to establish a factory here for the manufacture of mattresses, hammocks, etc. They would erect a cement factory building 50 x 150 feet.

HAMILTON, ONT.—The City Council propose to construct pipe sewers on Bold street, Caroline to Hess street, cost \$552, and on Sherman avenue from Barton to Wilson street, cost \$2,092.—The Sewers Committee have decided to build the overflow sewer by day labor.

MEAFORD, ONT.—William E. Long will receive tenders up to February 5th for erection of a brick school house, with stone basement, for School Section No. 5, St. Vincent.—The Town Council have resolved to purchase additional pumping machinery for the waterworks power house.

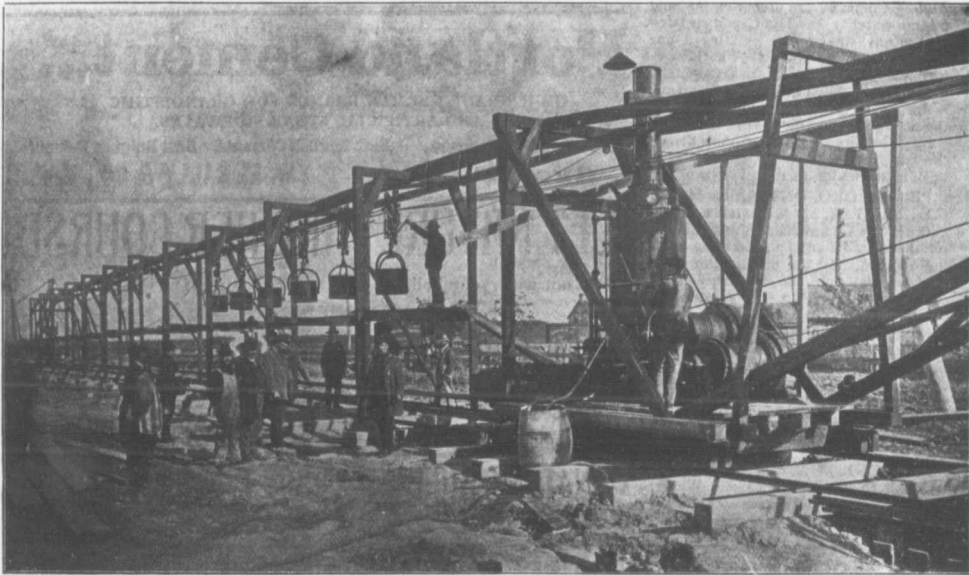
VICTORIA, B.C.—T. D. Sedger, architect, has prepared plans and taken tenders for a residence at the Gorge.—At a joint meeting of the various boards of the province held recently, Rev. A. J. Saunders proposed a plan to build a summer residence in the Okanagan Valley, to be used as a Baptist College; estimated cost, \$25,000.

DRUM HEAD, N. S.—Tenders will be received at the Department of Public Works, Ottawa, up to February 19th for the construction of an extension to the breakwater here. Plans at offices of the following: E. D. Milledge, Antigonish; C. E. W. Dodwell, Halifax; James McLellan, Postmaster, Goldboro.

CALGARY, ALTA.—The City Engineer is preparing plans and specifications for a road roller and rock crusher,

TRENCH DIGGING

MACHINERY



You can save time and money on sewer Contracts by adopting our Trench Digging System.

You can also prevent the annoying stoppages to traffic which invariably occur under ordinary conditions.

Write for Full Particulars

W. H. C. Mussen & Co.

Railway, Mining, Municipal and Contractors' Supplies

MONTREAL

BRANTFORD, ONT.—The Brantford Screw Company will issue new stock and build a large addition to their factory.

TORONTO JUNCTION, ONT.—Superintendent Haggas, of the Waterworks Department, has recommended the purchase of a new pump costing \$10,000 and the extension of the intake pipe, at a cost of about \$50,000.

BELLEVILLE, ONT.—The Lehigh Portland Cement Co., who have purchased a location near this city, will shortly be incorporated as a joint stock company. They intend to commence the erection of their plant and buildings the beginning of April and to be running by the fall.—It is rumored here that a syndicate are negotiating for the purchase of the rolling mills and that the mills will be reopened in about a month.—The County Council have instructed G. M. Miller, architect, of Toronto, to prepare plans for the House of Refuge to be built by Hastings County; estimated cost, \$30,000.

MONTREAL, QUE.—Mark Fisher, Sons & Company are about to erect a fire-proof building on the south west corner of Victoria Square and Craig street.—Interests allied with the American Steel Foundries Company have organized the Dominion Steel Car Company, Limited, for the manufacture of steel cars, and in the spring will commence the erection of a plant at Montreal West.—Ross & Holgate have been engaged by the City Council of St. John, N.B., to furnish an estimate of the cost of an electric plant for lighting the streets and public buildings.—Plans are said to be in course of preparation for a large departmental store to be built on the property at corner of Peel and St. Catharine streets recently purchased by the Robert Simpson Company, of Toronto.

LONDON, ONT.—The London Loan Company have made an offer for the Oddfellows' Hall, corner Dundas street and Park avenue, and if secured will remodel the building.—The congregation of Chalmers Presbyterian church are taking steps towards the erection of a

new edifice.—The County Council have decided to construct a 70-foot steel bridge at the foot of the south hill on Bear Creek, also a 40-foot bridge opposite lot 1, concession 7, West Williams, and a 20-foot bridge opposite lot 9 on the same concession.—Manager McGuigan, of the Grand Trunk Railway, has informed Mayor Judd that the company will spend

WATER WASHED SAND

Is recognized as the standard for all first-class work.

Architects and Contractors who make it a point to specify Water-Washed Sand are giving the best possible value to their clients. We guarantee prompt deliveries.

SAND & DREDGING, Limited
Tel. M. 4507 John Street Dock, TORONTO

CONSIDER :

for a moment, that roadways are built to be used by the horse.

THE BITULITHIC PAVEMENT

provides a sure foot-hold for the horse, gives him confidence, he draws a heavier load with less exertion, and consequently is of more value.

The Warren Bituminous Paving Co., Limited
164 Bay Street, TORONTO.

- CONCRETE PIPE -

Reinforced Concrete, Culvert and Sewer Pipe

Frost-Proof and Practically Indestructible

We have on hand large stocks of well matured Reinforced Concrete Pipe, 6 inch to 36 inch. Railway Engineers and others interested please write us for particulars.

THE DOMINION CONCRETE CO., LIMITED, KEMPTVILLE, ONT.

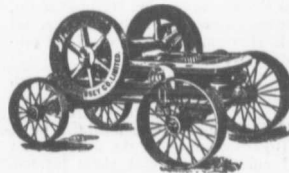
CRUSHERS

equipped with Dies and Bearings of the best English Manganese Steel.

Latest approved Chain or Belt Elevators, any length.

Revolving and Chute Screens, any Specification.

SAWYER & MASSEY CO., LTD.
Hamilton, Can.



JOHN GALT

C. E. and M. E.

CONSULTING ENGINEER
and EXPERT

SPECIALTIES:

WATERWORKS, SEWERAGE
AND ELECTRIC LIGHT

Chief Assistant Engineers:

O. W. SMITH, C. E. W. J. BOWERS, C. E.

23 Jordan Street TORONTO

JOHN S. FIELDING

Mem. Soc. C. E. West Penn. '87.

CONSULTING ENGINEER

Water Powers Dams, Bridges
Room 2, 15 Toronto Street, TORONTO, ONT.

DEBENTURES

.. Bought and Sold ..

G. A. STIMSON & CO.

15 and 30 King Street West - TORONTO

BANCO ZAROSSI

Italian Licensed Labor Contractor

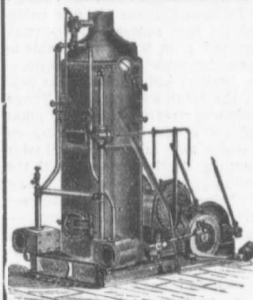
460 St. James St., MONTREAL

All kinds of Italian Laborers furnished on short notice.

M. BEATTY & SONS, Limited
WELLAND, ONTARIO, CANADA

DREDGES, DITCHERS, DERRICKS,
STEAM SHOVELS,

Submarine Rock Drilling Machinery,
Mine Hoists, Hoisting Engines
Centrifugal Pumps for Water and Sand
Stone Derricks, Clam Shell Buckets,
Steel Skips, Coal and Concrete Tubs,
and other Contractors' Machinery.



Office, 75 Cottingham Street
Yards 75-81

DISTRIBUTORS

Long Distance Phone North 1787 and North 1552.



VULCANITE
PORTLAND CEMENT

The Recognized Standard
for Sidewalks

A strictly High-Grade Portland Cement. Pronounced by prominent contractors to be the most Uniform Portland Cement on the market.

One Quality Only. Capacity 5,000 bbls. per day.

The Toronto Pottery Co., Limited, Toronto, Ont.

\$1,000,000 here the coming season. A new station, the raising of tracks, extension of yards, and building of subways are included in the scheme.—The County Council last week approved of the good roads scheme and will spend \$9,000 this year. The Sylvan bridge will be built.—A. O. Graydon, City Engineer, will receive tenders up to 4 p. m. February 1st for cement sidewalks, cement curb and gutter, lumber, gravel, stone, glazed tile, concrete tile, Portland cement, iron castings, etc.

VANCOUVER, B. C.—George Eastbrooke, of Tweed, Ont., has arrived here for the purpose of establishing a flour mill.—It is learned from an authoritative source that the Vancouver, Westminster & Yukon Railway Company will this summer commence the construction of the projected line from Vancouver northward to tap the Grand Trunk Pacific Railway.—The Merchants Bank of Canada will open a branch on the north-west corner of Hastings and Carrall streets and will spend about \$25,000 in remodeling and extending the building. Another storey will be added and an electric elevator installed.—It is reported that the British Columbia Government have obtained an option on the entire block owned by the C. P. R. west of the Vancouver Hotel, the intention being to build a new court house thereon.—J. J. Donnellan, of Seattle, has prepared plans for proposed alterations to the People's Theatre.—Dalton & Eveleigh, architects, are preparing plans for a four-storey brick business block to be built on Hastings street, between Cambie and Abbott streets, for E. E. Hewson, of Amherst, N. S.; estimated cost, \$40,000.

OTTAWA, ONT.—E. L. Horwood, architect, is preparing plans for a five-storey brick building to be erected on corner of Bank and Queen streets by J. C. Brennan, stores on the ground floor and offices above, cost about \$65,000. Construction will begin in May.—Tenders will shortly be invited for the erection of a new conservatory in the Government House grounds. A new sandstone front and other improvements will be made to Rideau Hall, at a cost of about \$150,000.—Plans of breakwater to be constructed at Apple River, N. S., may be seen at the Department of Public Works, this city. Tenders close February 19th.—Work will be commenced in the spring on the erection of a Sunday school hall in connection with St. George's church, Metcalfe street, to be 52 x 80 feet. Tenders will be called for as soon as possible.

—The first tenders for the construction of the National Transcontinental Railway will be invited immediately, these to include the eastern section from the Quebec bridge to the St. Maurice river, a distance of about 150 miles, and the western end of the line from Winnipeg east to Superior Junction, about 240 miles. It is understood that tenderers will be requested to submit one tender covering the entire work on each of these sections.—The Building Committee of the Public School Board have recommended the following additions to schools: Four rooms to Creighton street school, cost, \$18,000; eight rooms to Osgoode street school, cost, \$45,000; six rooms to Elgin street school, cost, \$32,000.

WINNIPEG, MAN.—The quarterly official board of Young Methodist church have decided to make preparations at once for the erection of a \$35,000 church of brick with stone facings. Several architects will submit plans within a fortnight. Rev. T. E. Holling is pastor.—The work of excavating for Pulford's six-storey block on Donald street, north of Portage avenue, will be commenced about March 1st.—The Nassau Baptist church will be enlarged.—A building will

be erected for the British and Foreign Bible Society.—The Health Committee have decided to build four new cells in the crematory, at a cost of \$8,000. The question of the disposal of garbage has been referred to a sub-committee, with instructions to report at an early date.—A survey party, under S. H. Reynolds, assistant city engineer, has gone to Lac du Bonnet to make a general survey of the Seven Portages and the Point Des Bois falls, on Winnipeg river, in connection with the proposal of the city to develop electric power.—A sewer will be constructed on Logan avenue, McPhillips street to Quelch street, at a cost of \$13,684, and an asphalt pavement on Ellice avenue, from Maryland to Simcoe streets, cost \$11,942.—The T. Eaton Company propose extending their store in the spring.—J. Woodman, architect, is taking tenders up to Saturday, February 17th, for erection of new stores for the Hudson's Bay Company at Lethbridge and Macleod and for additions to their premises at Calgary.—The Rat Portage Lumber Company will build a warehouse on corner Pacific avenue and Sixth street, 150 x 120 feet, four stories.

TORONTO, ONT.—M. Bachrack, proprietor of the Bachrack store at corner of Yonge and Albert streets, has leased for twenty-one years 67 feet of land immediately north of the Bank of Montreal building at corner of Yonge and Queen streets, and 103 feet on Queen street immediately east of the Bank's property. Mr. Bachrack is now having plans prepared for a large store to be built on this site.—The Minister of Public Works, Ottawa, has approved of the plans for the new barracks in this city for the permanent corps and in the course of a few days tenders will be invited. The buildings are to be erected on Jane street, adjoining the Humber river.—Surveys are now being made for the forty miles of the Temiskaming & Northern Ontario Railway that will terminate at the junction point of the Grand Trunk Pacific.—About \$160,000 has been secured towards the scheme of new residences for the University of Toronto. Plans are now being prepared for four separate three-storey buildings and it is hoped to be able to commence the work at an early date.—Thomas Jenkins has purchased the property at the south-west corner of Yonge and Buchanan streets and has had plans prepared for a new building facing on Yonge street and another on Hayter street running north to connect with the main building.—The erection of a new church is being considered by the authorities of St. Johns Presbyterian church.—The Board of Control will receive tenders up to Tuesday, March 6th, for the construction of sewers, pumping stations, septic tanks and bacteria beds for a system of sewerage east of Woodbine

avenue.—A. W. Holmes, architect, is taking tenders up to February 7th for additions and alterations to hotel building corner Queen and Beaconsfield avenue.—Plans of city hall to be erected at Regina, Sask., may be seen at the Builders' Exchange in this city. The architects are Dodd & Hopkins, of Calgary, and tenders close February 16th.—The University authorities have selected a site on the corner of Hoskin avenue and Queens Park Crescent on which to erect the new Household Science building, the gift of Mrs. Massey Treble to the University.—York County Council have made a grant of \$2,000 for the construction of a bridge over the Holland river between Bradford and Queensville, this being two-thirds of the cost.—The Board of Control have decided to erect a Press building on the Exhibition grounds, at a probable cost of \$15,000.—G. M. Miller & Company, architects, have been commissioned to prepare plans for a House of Refuge for Hastings county, to cost about \$30,000.—The congregation of Fern avenue Presbyterian church have had plans prepared for a new edifice, although it has not yet been definitely decided to build.—Tenders were recently asked for the building of cottages at Mimico Asylum, but as the tenders were considered high, the Government have decided to do the work by day labor.—The Board of Education have been requested to provide the following school additions: Dovercourt school, six rooms; Dewson street, Kew Beach and Withrow avenue, four rooms each; Brock avenue, two rooms, and Clinton street, one room.

CONTRACTS AWARDED.

MEAFORD, ONT.—The tender of W. C. Brent, Toronto, has been accepted for purchase of \$9,076 town debentures, at a premium of \$27.

NIAGARA FALLS, ONT.—The Niagara Falls Machine & Foundry Company have received a large order for castings for the Welland Canal.

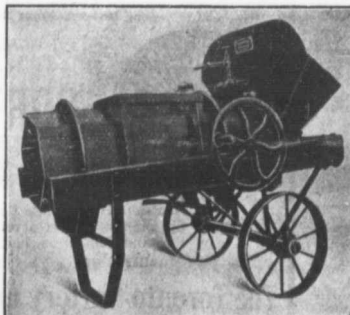
HAMILTON, ONT.—The City has renewed the contract for sewer pipe with the Hamilton Sewer Pipe Company, at the same prices as last year.

TORONTO, ONT.—The York Township Council have accepted the tender of the Imperial Bank for \$40,000 20 year 4½ per cent. debentures, at a premium of \$1,100.

HULL, QUE.—The contract for supplying pipe for extension of the waterworks intake has been let to the Peterboro Pipe Company, at \$77.78 a ton. About 42 tons will be required.

MONTREAL, QUE.—Aachibald F. Byers, B. Sc., 18 St. Alexis street, has been awarded the contract for the construction of the foundations for the new rolling mill plant of the Peck Rolling Mills Company, Mill street, this city.

The Hand Power Continuous Concrete Mixer



Specially adapted for Sidewalk and Street Work, and all classes of concrete work where a thorough mixture with but small capacity is required.

Other Mixers and Concrete Mixing Machinery.

Send for Catalogues.

E. F. DARTNELL,
Montreal.

FREDERICTON, N.B.—The tenders received for pipe, castings, etc., for the new sewerage system, together with the names of successful tenderers, will be found below: Pipe—Hyde & Webster, Montreal, \$14,497.40 (accepted); Jas. Robertson Co., Ltd., St. John, \$15,945.12; J. S. Neill, Fredericton, \$15,945.12; D. J. Shea, Fredericton, \$16,240.09; John T. Farmer & Co., Montreal, \$16,319.60; C. H. Peters' Sons, St. John, \$16,450.74. Manholes, covers and steps—Jas. Fleming & Co., St. John, \$2,041.20 (accepted); Montreal Pipe & Foundry Co., \$2,377.50; St. John Iron Works, St. John, \$2,406; McFarlane & Anderson, Ltd., Fredericton, \$2,413.44; Union Foundry & Machine Works, St. John, \$2,527.98; Brown Machine Co., Londonderry (N.S.), \$2,566.50; Sessions Foundry Co., Bristol (Conn.), \$3,055.80. Iron Castings—Montreal Pipe & Foundry Co., \$809 (accepted); D. Y. Stewart & Co., Glasgow (Scot.), \$806.25; John T. Farmer & Co., Montreal, \$902. —Contracts for provincial works have been let as follows: Palmer's Mill pond bridge in Westmoreland county, to Whitman Brewer, of St. Marys; Goodwell bridge, in Restigouche county, to Joseph Goulette, of Charlo River.

NEW COMPANIES.

Canada Starch Company, Limited, Cardinal, Ont., incorporated, capital \$2,500,000, to manufacture starch, glucose, etc. Directors, C. R. Hosmer and G. R. Benson, of Montreal, Joseph Ruddy, of Brantford, and others.

Loders Lime Company, Limited, Kananskis, Alta., capital \$100,000, to manufacture lime, cement, stone, etc., and to operate quarries. Promoters, J. S. Irwin, of Ottawa, John S. Cape, of Winnipeg, and others.

Reinforced Concrete Company, Limited, Montreal, incorporated, capital \$200,000. Promoters, T. J. Donoghue and J. L. Goffette, of Montreal, A. W. Powell, of Ottawa, and others.

Canadian Dredge & Construction Company, Limited, Midland, Ont., capital \$150,000. Directors, James Playfair, D. S. Pratt, Peter Potvin, D. L. White and W. J. Sheppard.

New System Brick Company, Limited, Brantford, Ont., incorporated, capital \$50,000. Directors, C. W. Bush, J. L. Richardson and H. J. Wilson, of Toronto, and others.

Niagara Chemical Company, Limited, Toronto, incorporated, capital \$40,000. Directors, T. H. Barton, F. D. Byers and O. F. Taylor, of Toronto.

Maybank Bronze Metal Company, Limited, Morrisburg, Ont., incorporated, capital \$80,000. Directors, W. M. Maybank, H. H. Bradfield and C. A. Myers.

Ontario Sewer Pipe Company, Limited, Toronto, incorporated, capital \$300,000. Directors, J. J. Zimmerman, Andrew Dods, J. A. MacIntosh, E. G. Morris and M. B. Jacock.

Toronto Show Case Company, Limited, Toronto, incorporated, capital \$35,000. Directors, J. W. Kent, W. M. Peterkin, R. W. McLean and Harry Chinn.

Temagami Silver Mining Company, Limited, Sturgeon Falls Ont., incorporated, capital \$150,000. Directors, Thomas Urquhart, Toronto, A. B. Gordon, Sudbury, and others.

Beaches Building Company, Limited, Toronto, incorporated, capital \$80,000. Directors, J. M. Ross, G. M. Ritchie, F. W. Lyoude, W. J. Farmery and R. J. W. Barker.

Clarks Standard D. vulcuping Company, Limited, New Liskeard, Ont., incorporated, capital \$40,000. Directors, J. J. Grills, R. B. Heron, and others.

Canadian Lock Nut Company, Limited, Toronto, incorporated, capital \$300,000.

Directors, A. G. Slaght, T. Monaham and S. P. Speerman.

Fletcher Manufacturing Company, Limited, Toronto, incorporated, capital \$250,000, to manufacture bakers' tools and supplies, hardware, etc. Directors, Benjamin Fletcher, E. Whaley and E. B. Fletcher.

MacArthur Construction Company of Canada, Limited, Montreal, incorporated, capital \$6,000,000, to construct public and private works of all kinds. Promoters,

SAMSON CEMENT

MANUFACTURED BY
THE OWEN SOUND PORTLAND CEMENT COMPANY, LIMITED
Owen Sound, Ont.

Works at SHALLOW LAKE, ONT. Write us for prices

Lafarge (NON-STAINING) Cement

For Setting, Pointing and Backing Limestone, Granite or Marble, where freedom from discoloration is desired—Send for Descriptive Catalogue.

Portland Cement Drain Pipes, Culvert Pipes, Sewer Bricks, Fire Bricks, Ganister Paving Bricks and Blocks.

F. HYDE & CO.,

King, Queen and Wellington Sts. - MONTREAL



AMERICAN

GERMAN

ALSEN'S AMERICAN

is sold under a guarantee other domestic portlands cannot make in good faith. That guarantee is backed by the oldest and most responsible manufacturers in the world. Selected for the

PANAMA CANAL

in Preference at Equal Prices and is exceeding those severe requirements.

45 Broadway, NEW YORK CITY

"JUDG A CEMENT BY ITS WORKS"

RAILS For Contractors, Switches, Girders, &c.
New and Second Hand.
LOCOMOTIVES & CARS

John J. Gartshore

83 Front St. West,

(Opposite Queen's Hotel.) **TORONTO**

T. A. Morrison & Co.

PURVEYORS TO

Municipal Corporations
Architects
Engineers
Mines
Railway

ROAD MACHINERY
STONE CRUSHERS
STEAM ROAD ROLLERS
STEAM AND GASOLINE
FIRE ENGINES
CONCRETE STONE
ROCK DRILLS
BOILERS AND ENGINES
CONTRACTOR'S PLANT

204 St. James Street
MONTREAL

ELECTRICITY

If you desire to keep posted on the wonderful progress that is taking place in the use of electricity for an almost endless variety of purposes, you should subscribe to the

Canadian Electrical News
and Engineering Journal

A 44 PAGE MONTHLY,

PRICE \$1 PER YEAR

Write for free sample copy to

The G. H. Mortimer Publishing Co.
LIMITED

Toronto Montreal Winnipeg Vancouver

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.

NO PATENTS! NO MONOPOLY! NO EXORBITANT PRICES!

Vitrified Paving Blocks are the very best, everything considered, for paving business and residence streets. Furthermore, the original "Massillon" Blocks of which we are the sole manufacturers are the best. Fourteen years of actual service in nearly all of the principal Canadian cities has established our reputation. Correspondence solicited.

MASSILLON STONE & FIRE BRICK CO.,

Wm. G. Hill Gen. Mgr.

Massillon, Ohio, U. S. A.

Owning and Operating
DUNDAS QUARRY

Daily Capacity
1,000 TONS
250 TONS

Operating
SLAG QUARRY,
EAST HAMILTON

Daily Capacity
500 TONS

DOOLITTLE & WILCOX,
LIMITED

Crushed Stone and Slag

For Cement Sidewalks, Road Foundation and Concrete Work

Head Office: **TRADERS BANK BUILDING,**

Hamilton, Ont.

The ALGOMA STEEL COMPANY, Limited

Sault Ste Marie, Ont.

Is now booking orders for

STEEL RAILS

For 1906 Delivery.

Parties intending purchasing will find it to their interest to let us have their specifications at an early date so as to ensure desired deliveries.

Drummond, McCall & Co.,

OFFICE: Canada Life Building, MONTREAL

GENERAL SALES AGENTS

One Grade

"The Cement of Quality"

The Highest

Tests of



NATIONAL Portland Cement



BY

The City Engineer of Toronto for 1903-4

Note the High Grade of National. Compare it with others.

Year.	No Samples Tested.	Soundness Fajji Test.	Specific Gravity	Residue in Water No. 100 Sieve	Setting Time in Minutes.		Tensile Strength in pounds per square inch.									
					Initial	Final	Net.					3 (Sand) to 1 (Cement)				
							1 dy.	7 d.	28 d.	3 mos	1 yr.	1 dy	7 d.	28 d.	3 mos	1 yr.
1903	20	O.K.	3.135	2.1	162	345	307	701	783	827	*	74	214	299	367	*
1904	44	O.K.	3.150	2.0	132	342	300	744	848	914	938	86	62	354	401	427

* Tests for 1 year were not completed when records closed. 1905 report not yet issued.

THE BEST IS THE CHEAPEST

The National Portland Cement Company

Limited

Toronto Sales Office: 22 James Building

Head Office and Mills: DURHAM, ONTARIO

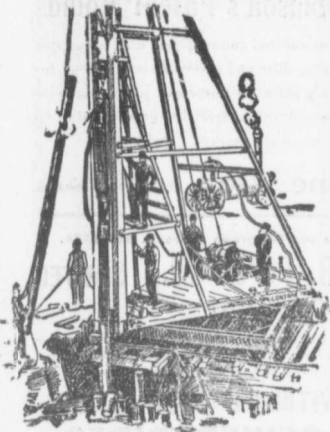
The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

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



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

CANADIAN EMPLOYMENT AGENCY

Licensed Labor Contractors

182 1/2 St. Antoine Street .. MONTREAL

All classes of labor, skilled and otherwise supplied at short notice. Special attention given to gangs for construction, lumber camps, etc.

All Orders given Special Attention.

The Ontario Accident Insurance Co.

ACCIDENT, EMPLOYERS, ELEVATOR AND GENERAL LIABILITY

171 St. Francois Xavier St Montreal

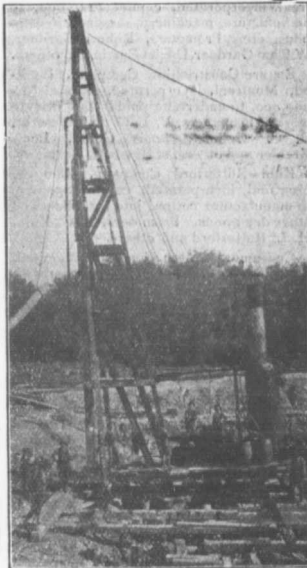
Established 1898

The Hanover Portland Cement Co., Ltd.
Hanover, Ontario

Manufacturers of the Celebrated

"SAUGEEN" Brand of PORTLAND CEMENT

Prices on application. Prompt shipments.



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
Residence, 1010 Queen St. E.—Phone M. 4686
Office and yard, 307 Logan Ave.—Phone M. 2007

The Old Machinery

or plant, or tools for which you have no present use, might be sold or rented to some other reader of the CONTRACT RECORD by the investment of a few dollars in advertising.

WORTHINGTON PUMPS

FOR WATER WORKS SERVICES



"WORTHINGTON" TURBINE PUMPS

for heads up to 2,000 feet, are Reliable, Durable, Efficient and exceedingly simple

WE ALSO MANUFACTURE

Boilers, Tanks, Filters

Etc.

Worthington 2 Stage Turbine Pump for the Winnipeg Water Works, Capacity 5,000,000 per 24 hours.

We Have Two Stage Pumps in Operation Delivering Against 160 Pounds Pressure

The John McDougall Caledonian Iron Works Co.,

ESTABLISHED 1852

Montreal.

Limited.

Archibald MacArthur, of Chicago, John R. MacArthur, of New York, W. J. Poupore, of Montreal, and others.

Abitibi Mining & Developing Company, Limited, Finch, Ont., incorporated, capital \$100,000. Directors, J. J. McMillan, Jas. Currie, and others.

Central Heat, Light & Power Company, Limited, Montreal, incorporated, capital \$500,000. Promoters, Samuel Carsley, W. F. Carsley, Charles Morton, and others.

Robert Gardiner & Sons, Limited, Montreal, incorporated, capital \$140,000, to manufacture machinery, engineers' supplies, etc. Promoters, Robert Gardner, William Gardner, Daniel Currie and others.

Empire Construction Company, Limited, Montreal, incorporated, capital \$1,000,000, to undertake public and private works. Promoters, V. L. C. de Buisserbt, B. C. Goffinet, Louis Goffin, Louis Grenier and others, of Brussels, Germany.

Kidd Rutterford Company, Limited, Montreal, incorporated, capital \$50,000, to manufacture cotton, jute, woollen and other dry goods. Promoters, T. C. Kidd, H. L. Rutterford and others.

Consumers Cotton Company, Limited, Shawinigan Falls, Que., incorporated, capital \$300,000. Promoters, Howard Murray, Q. Mackay and others.

CONCRETE CONTRACTORS' ASSOCIATION.

The Concrete Contractors' Association was recently organized in Toronto, R. A. Rogers being elected president. The Association includes ten firms and promises to grow. The concrete work done in Toronto during the year 1905 totalled about \$800,000, and over 500 men were employed.

Messrs. F. H. Hopkins & Company, railway, mining and contractors' supplies, Montreal, have favored us with one of their 1906 office calendars.

In view of the progress that has been made in the past few years in the use of concrete reinforced with steel, a pamphlet recently issued by the B. Greening Wire Company, Hamilton, Ont., is of more than ordinary interest. It is devoted to wire bonding for concrete construction. The company make wire bonding of all strengths of material and in any lengths desired, the long lengths forming a continuous bond being features of their reinforcements. For the construction of culverts, tunnels, sewers, floors of bridges, etc., reinforced concrete is very suitable and has many advantages.

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

JOSSON CEMENT

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 OR FROM

C. I. DE SOLA, 180 St. James Street, MONTREAL



Robinson's Patent Moulds

For sewer and culvert pipes with adjustable cone top filler and reversible bottom ring for making plain or telescopic joints, made of heavy galvanized steel and guaranteed to be the best on the market. Order now.

Climax Road Machine Co., Hamilton, Canada

Phone No.: PARKDALE 180p.

Post Office and Telegraph Address: SWANSEA.

THE DOMINION SEWER PIPE CO., LIMITED
SWANSEA, TORONTO, ONT.



We have just completed one of the finest sewer pipe factories in America, equipped with the latest machinery, and are now producing very superior

**- VITRIFIED SALT GLAZED -
SEWER PIPES**

Price Lists and Discounts on Application

In Sizes from 4 inches to 24 inches

PORTLAND CEMENT.



SEWER PIPES

FIRE BRICKS

FIRE CLAY

ALEX. BREMNER

50 Bleury Street, MONTREAL

ROGERS SUPPLY CO. CRUSHED STONE

ALWAYS ON HAND

for Cement Sidewalks, Road Foundation and Concrete Work
QUARRIES OPEN ALL WINTER

Head Office: 3 KING STREET EAST

Phone Main 4155

TORONTO

YARDS

{ Bathurst Street, Opposite Front Street
Lansdowne Avenue and Dundas Street
356 Pape Avenue
1013 Yonge Street (North Toronto) }

Canadian White Company, Limited

SOVEREIGN BANK BUILDING, MONTREAL, CANADA

ENGINEERS AND CONTRACTORS

FOR

Steam and Electric Railroads; Electric Light and Power Plants; Building Construction; Water and Gas Works; Docks, Harbor Works, etc., etc.

J. G. WHITE & COMPANY, INC.,
New York City

J. G. WHITE & COMPANY, LIMITED,
London, England

WARING-WHITE BUILDING CO.
London, England



**THE
Matthews
Fire
Hydrant**

Is the recognized Standard Hydrant, and is the easiest Hydrant to keep in order.

Our Hydrants are thoroughly tested before shipment, and are of substantial proportions and weight.

Have your Engineer specify "The Matthews" and get our tender.

**THE KERR
ENGINE CO.,
LIMITED**
Walkerville - Ont.

Please mention THE CONTRACT RECORD when corresponding with advertisers.

J. HARVEY

CONTRACTOR
PETROLIA, ONT.

Driller of Oil, Gas, Salt or Artesian Wells. Deep Wells a Specialty.



Contracts taken in any part of Canada. Several years experience in Artesian Wells for Municipal Water Works. Estimates or geological information cheerfully furnished.

REFERENCES GIVEN

- - MACHINE BANDED WOOD STAVE WATER PIPE - -



High pressure pipe for Water Works Systems, irrigation power plants, etc. Sizes 2" to 24", half the cost of cast iron. Write for Catalogue.

PACIFIC COAST PIPE CO., LTD. Box 563, Vancouver, B. C

W. & F. P. CURRIE & CO.
345 St. James St., Montreal

Importers of

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



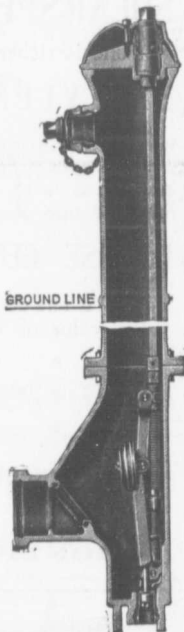
PORTLAND CEMENTS.

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

**FAIRBANKS
HYDRANTS**

Do Not Freeze

Frost cases are unnecessary with our Hydrants if set properly, as no water remains in the barrel and the lines of the stand pipe being straight and smooth, with peculiar shape of Hydrant bottom, gives it an anchorage on which the heaving of the ground around Hydrants caused by frost, has no effect.



GET OUR PRICES ON

- Valve Boxes
- Indicator Posts
- Pipe and Fittings
- Waterworks Supplies

THE CANADIAN FAIRBANKS CO. LTD.
MONTREAL TORONTO VANCOUVER WINNIPEG

"RAVEN" PORTLAND CEMENT

— Unexcelled for Strength and Uniformity —

RAVEN LAKE PORTLAND CEMENT CO.

Limited

Long Distance Telephone : RAVEN LAKE, ONT.

Telegaph and Post Office Address : VICTORIA ROAD, ON

Notice to Contractors.

The Niagara Falls Machine & Foundry Co., Limited,
Niagara Falls, Ont.,
are making a speciality of improved
HOISTING AND BUILDING ENGINES.
Write for Prices.

WIRE ROPE

All kinds and Sizes and for All Purposes. Standard and Lang's Patent Lay. Prices Right. Prompt Shipments.

Rope Fittings. Rope Grease.

THE
B. GREENING WIRE CO., LIMITED
HAMILTON, ONT. MONTREAL, QUE.

The
SOLAR SPECTRUM
alone is richer than the
ACETYLENE

A prominent Montreal business man who has recently installed one of our

ECLIPSE GENERATORS

states: "It has doubled the value of my property"

◆ ◆ ◆
LET US QUOTE YOU
◆ ◆ ◆

The Continental Heat & Light Co.
MONTREAL

Blue Lake Brand Portland Cement

MADE BY

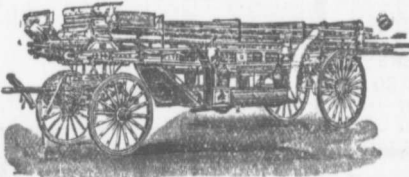
THE ONTARIO PORTLAND CEMENT CO. LIMITED,
HEAD OFFICE : BRANTFORD, ONT. LONG DISTANCE 'PHONE 94

"RATHBUN'S STAR"
The Canadian Standard

THE CANADIAN PORTLAND CEMENT CO., LIMITED
General Sales Office : 502 Temple Building, TORONTO
Montreal Local Office : 205 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.

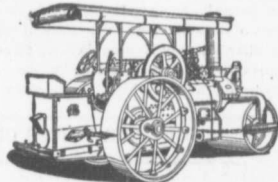


Prompt attention given all inquiries. All goods built to order.

Long Distance
Phones 686 and 684

W. E. SEAGRAVE, WALKERVILLE ONT.

"WATEROUS"
ROAD MACHINERY AND FIRE APPARATUS

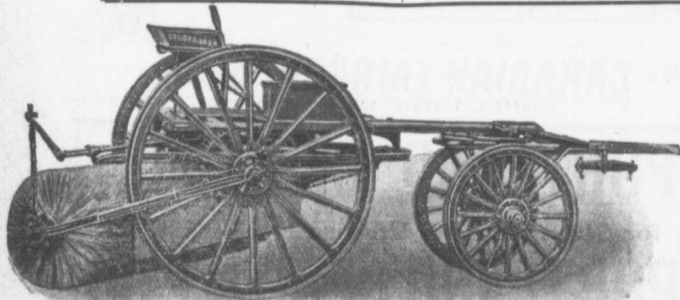


FIRE ENGINES in five sizes, with a full line of fire-fighting goods

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.

HUGH CAMERON & CO., Selling Agents, 72 Queen St. West, Manning Chambers, TORONTO



Stackpole Patent Improved **Street Sweeping Machine**

is the Standard of Perfection

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



Studaker 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

CEO. H. ARCHIBALD
CONSULTING CIVIL ENGINEER

820 Union Bank Bldg.
WINNIPEG, CAN.

Municipal Improvements.
Reinforced Concrete and Steel Construction.

ARTIFICIAL STONE PAVEMENTS

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

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



FIRE LADDERS
Our Waggoner extension and other fire ladders are reinforced with steel wire trussing making them at once the Strongest and the Lightest, as they are the Cheapest Firemen's ladders in the market. They are also the Quickest operated, a matter of vital moment in firefighting. Our safety lock is the Safest and simplest produced. Clerks, Councils and Fire-Chiefs, write for circular, &c.

The Waggoner Ladder Co., Ltd. London, Ont.

WE WILL BOND YOU



Contractors instead of asking friends to go on their bonds should have a company act as surety for them.

Write for Particulars

THE UNITED STATES FIDELITY & GUARANTY CO.

6 Colborne Street, Toronto
A. E. KIRKPATRICK, Canadian Manager

THE PHOENIX BRIDGE & IRON WORKS, LIMITED
MONTREAL
GENERAL STEEL CONTRACTORS

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

Dominion Bridge Co., Ltd. **STEEL BRIDGES**
For Railways and Highways
Piers, Trestles, Water Towers
Tanks, Buildings, Roofs, Girders,
Beams and Columns

P. O. Address, MONTREAL, P.Q. Works at LACHINE LOCKS, P.Q.
Toronto Agent: GEO. E. EVANS, 38 Canada Life Bldg., TORONTO, ONT

The IMPERIAL CEMENT CO. LIMITED
OWEN SOUND, ONT.
Makers of the Celebrated

Imperial Portland Cement

PORTLAND CEMENT

T. M. Morgan

Manufactures the

CRESCENT AND DIAMOND BRANDS

AS GOOD AS THE BEST FOR ANY PURPOSE

Office and Works: Longue Point, MONTREAL, QUE.
Long Distance Phone R. 436 Ring 2.



"Lehigh"
Portland Cement

Capacity 11,000 Barrels Per Day.

Capacity in 1906 will be 20,000 Barrels per day.
The Lehigh Company are now erecting a plant at Belleville, Ontario, of 4,000 barrels per day capacity. For prices, etc., address—

THORN CEMENT CO. - Buffalo, N. Y.
DISTRIBUTORS FOR CANADA.

The Locomotive and Machine Company
OF MONTREAL, LIMITED

NEW YORK OFFICE:
111 BROADWAY
N.Y.

Structural Steel

FOR ALL PURPOSES

WORKS:
LONG POINT
MONTREAL

BRIDGES NEW AND SECOND HAND CONTRACTORS' LOCOMOTIVES STEAM SHOVELS

Principal Office: Imperial Bank Building, MONTREAL

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

Cable: Ackcoll

J. J. COLLINS

B.A.S., C.E., M.E., E.E.
Consulting Engineer
"Room 17, Sparks Chambers"
Ottawa, Ont., Canada

LEA & COFFIN

and H. S. FERGUSON
ENGINEERS
Waterworks, Sewerage, Water Powers
Pulp and Paper Mills
Coristine Building - MONTREAL

RODERICK J. PARKE

A.M. Can. Soc. C.E. A.M. Amer. Inst. E.E.
CONSULTING ELECTRICAL ENGINEER.
Electrical Light and Power.
Steam Plants, Gas Power Plants, Water
Power Plants.
Estimates. Tests. Reports. Valuations.
55-53 Janss Building - TORONTO, CAN.
Long Distance Telephones-Office and Residence
Cable Address "Rodparke" (W. U. Code.)

Please mention this paper when cor-
responding with advertisers.

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

John H. Jackson

CIVIL ENGINEER
WATER POWER, ELECTRIC RAIL-
WAYS, STRUCTURAL STEEL.
Niagara Falls, Canada
Associated with Charles H. Mitchell,
C. E., Hydraulic Engineer.

A. W. CONNOR

B.A., C.E., (Tor.) A. Mem. Can. Soc. C. E.
STRUCTURAL ENGINEER
Fireproof Steel Office and Mill Buildings,
Bridges, Towers, &c. Reinforced Concrete,
CEMENT TESTING LABORATORY
36 TORONTO ST. TORONTO, ONT

8 TO 10

contracts under construction continually.
That is why we can do work **CHEAPER,**
QUICKER, BETTER, than small contractors.

Forest City Paving Co.,

B. V. HOLE, Manager.

LONDON, ONT

McGREGOR & McINTYRE, LIMITED

67 to 91 Pearl Street, Toronto, Ont.
STRUCTURAL IRON WORKS
Fire Escapes, Library Racks, Sidewalk Door, Jail Cells, Iron
Stairs, Railings, Etc., Etc.
SOLE AGENTS FOR DUPLEX HANGERS WRITE FOR ESTIMATES.

THE CANADIAN SEWER PIPE CO.

MANUFACTURERS OF



FOR

Sewers, Culverts and Water Pipes
Inverts for Brick Sewers

WRITE FOR DISCOUNTS

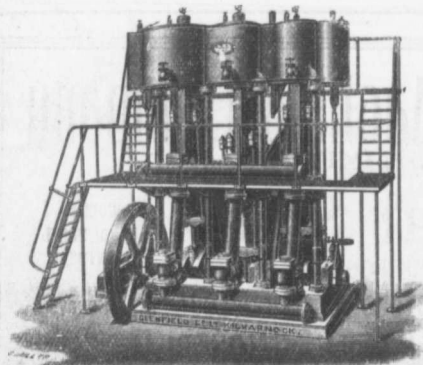
ST. JOHNS, P.Q.

HAMILTON, ONT.

TORONTO, ONT.

Glenfield & Kennedy, Limited

KILMARNOCK



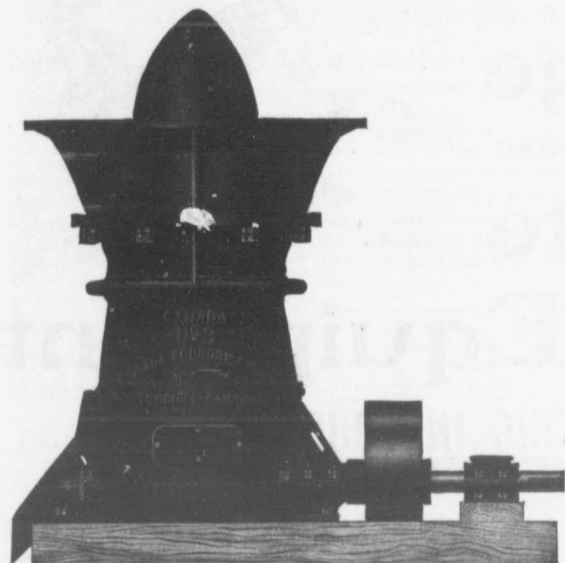
Sluice Valves, Air Valves, Relief Valves, Hydrants
Stand-Posts

AND ALL CLASSES OF WATER FITTINGS

Accumulators, Pumps, Hydraulic Machinery**Penstocks, Flushers, Sewerage Fittings****KENNEY'S PATENT WATER METERS** Over 165,000 in use.**ASHLEY'S PATENT DEEP-WELL PUMPS**

Canadian Representative: **John T. Farmer,**
Coristine Building, Montreal,

ROCK CRUSHER



This is a **GYRATORY ROCK CRUSHER** of new design, containing special features which will recommend themselves to

a

Send for Bulletin No. 31

CANADA FOUNDRY CO., Limited

Head Office and Works: **TORONTO, ONT.**

District Offices: **MONTREAL HALIFAX OTTAWA WINNIPEG VANCOUVER ROSSLAND**

THOS. J. DRUMMOND, President

JAMES V. McCALL, Secretary-Treasurer

C. E. 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

JAMES THOMSON, President. J. G. ALLAN, Vice-President. JAMES A. THOMSON, Secretary. ALEX. L. GARTSHORE, Treasurer

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.

Don't Plunge Hastily and Purchase Concrete

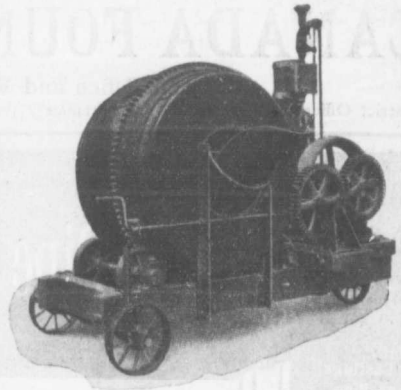


Equipment WITHOUT GETTING IN TOUCH WITH US

We supply the very best Equipments at figures that will save you money.
Our supplies are all perfectly satisfactory and constructed of first class material.
Orders filled promptly from stock and perfect satisfaction guaranteed.

CONCRETE BUCKETS
CONCRETE BARROWS
RANSOME TWISTED BARS
For Re-inforcing
HOISTING ENGINES
DERRICKS, WIRE ROPE
ROCK CRUSHERS
ELEVATORS, SCREENS

Complete Rock Crushing and Concrete
Equipments



OUR 1906 MODEL

Ransome

Concrete Mixer

is the simplest and most up-to-date machine
on the market. This machine is easy to
operate and will save time, money and labor.

MIXERS SUPPLIED WITH OR WITHOUT POWER—ALL CAPACITIES
IMMEDIATE SHIPMENT FROM STOCK

OUR CATALOGUE SENT ON REQUEST

F. H. Hopkins & Co.

Successors of the Late James Cooper
MONTREAL

Dunn Bros. & Company, Winnipeg Agents