

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 — FEBRUARY 28, 1906 — WINNIPEG, VANCOUVER

No. 52

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 2362.

Branch Offices:

38 Alliance Building, Montreal,
Telephone Main 2599.

720-721 Union Bank Building, Winnipeg,
Telephone 1274

DAVIS CHAMBERS, 615 HASTINGS ST., VANCOUVER,
B. C. Telephone 2248

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.

AGENTS WANTED TO SOLICIT CON-
tract work for road or pavement pos-
sessed in any country but successfully laid in
Europe the last thirty years. Address "Municipal"
THE CANADIAN CONTRACT RECORD, Con-
federate Life Building, Toronto, Canada.

City Engineer

Applications will be received by the under-
signed for the position of City Engineer of the
City of Stratford up to SATURDAY, MARCH
7TH. Applications will state experience and
qualifications, and salary expected giving the
City their whole time, and salary expected
being allowed to do outside work.

S. J. MALLION,
Chairman Board of Works,
Stratford, Ont.

Tenders for Steel Bridge

Tenders will be received up to FRIDAY,
MARCH 7TH, for the erection of a new Steel
Bridge over the River Speed in Guelph Township
known as "Carrubers Bridge". Length between
abutments 70 feet, 13 foot roadway clear of
wheel guards, 10 feet above water. Contractors
to submit their own plans and specifications with
tender, stating time of completion, and with ten
per cent. deposit for satisfactory completion.

JAMES LAIDLAW,
Clerk Guelph Township,
Box 1018, Guelph, Ont.

CANADIAN PACIFIC RAILWAY

Tenders covering the work required in connec-
tion with Track-Laying, Bridging and Ballasting
on the Sulbury branch between Komford and
French River Crossing (40 miles) will be received
by the undersigned up to noon on SATURDAY,
MARCH 7TH, 1906.

Plans and specifications can be seen at the
office of the Division Engineer of Construction,
112-118 King Street West, Toronto.

J. W. LEONARD,
Manager of Construction.

Tenders Wanted

Sealed tenders, addressed to John Morrison, City
Clerk, Woodstock, Ont., will be received up to 7 p.m.
of FRIDAY, THE 7TH DAY OF MARCH, 1906, for
the construction of cement concrete sidewalks for
the City of Woodstock, during the season of 1906.

Specifications may be seen at the office of the under-
signed.

The lowest or any tender not necessarily accepted.

F. J. URE,
City Engineer.

CITY OF BRANDON

Tenders for Cement

Sealed tenders, addressed to "The Chairman
of the Board of Works, Brandon, Man.," and
endorsed "Tender for Cement", will be re-
ceived by the undersigned until 5 o'clock p.m.
on FRIDAY, MARCH 7TH, 1906, for supply-
ing from 5,000 to 7,000 bbls. Portland cement.
Specifications and form of tender may be ob-
tained on application to W. H. Shillinglaw,
City Engineer, Brandon, Man.

The City Council does not bid itself to accept
the lowest or any tender.

GEO. F. SYKES,
Sec'y Treas.

Brandon, February 15th, 1906.

Tenders For Buildings

Sealed proposals will be received at the
Division Engineer's Office, Winnipeg until
eighteen (18) O' SATURDAY, MARCH 7TH,
1906, by the Canadian Pacific Railway Co., for
the construction of all or any of the following
buildings:

No. 2 Section Houses on Stone Founda-
tion

Broadview Section—Chater, Hargrave, Bur-
rows, Percival.
Moose Mountain Section—Tyvan.

Combination Section House and Tele-
graph Office

Ignace Section—Raleigh.
Kenora Section—Culver.
Brandon Section—Meadows.

No. 5 Stations

Restevan Section—Profisher, Glen Ewen.

No. 5 Station and Freight Shed

Swift Current Section—Mortlach, Herbert,
Chaplin.

Portal Section—Lang.

Moose Mountain Section—Stoughton.

No. 2 Portable Depots, f.o.b., Nearmost

Shipping Point

Swift Current Section—Morse.

Moose Mountain Section—Lajord.

The right is reserved to reject any or all pro-
posals, to award the contract to other than the
lowest bidder, or to readvertise for proposals
should the Company deem such a course ad-
vantageous to its interests.

Plans, specifications, form of proposal can be
seen at the Division Engineer's Office, Winnipeg;
Superintendent's Office, Fort William; Super-
intendent's Office, Brandon; Superintendent's
Office, Moose Jaw.

Envelopes containing proposals should be
marked "Proposals for Buildings."

FRANK LEE,
Division Engineer,
Winnipeg, Man.

WANTED

A first-class General Manager for a supply
house; one speaking English and French fluently
and with good all round knowledge of builders'
and founders' requirements.

Excellent prospect for a man of ability to
secure an interest in a live going concern with
connections in Quebec, Ontario, North West and
Maritime Provinces. Apply with references to
P. G. DRAWER 2390,
Montreal.

Debentures for Sale

Sealed tenders will be received by the under-
signed up till 5 o'clock p.m., THURSDAY, THE
22ND DAY OF MARCH, 1906, for Town of Ren-
frew Twenty and Thirty Year Debentures
amounting to \$4,600.00 (this amount includes
interest to end of term).

For full particulars write the undersigned.

JAS. K. ROCHESTER,
Town Clerk,
Renfrew, Ont.

Tenders

will be received by the undersigned up to
noon of WEDNESDAY, MARCH 7TH, for
excavating the site of the proposed

NATIONAL CLUB BUILDING

Bay street. Full particulars may be had at the
office of

CURRY, SPROATT & ROLPH,
90 Yonge Street, Toronto.

Tenders Wanted

Tenders will be received by the undersigned up to
noon of MONDAY, MARCH 12TH, 1906, for furnish-
ing material and constructing Two Steel Highway
Bridges in the Township of East Zorra. One of 70
ft. span, truss, and one of 30 ft. beam. Both to have
concrete floors of 14 ft. clear width on expanded
metal. Also abutments for same of either quarry
stone or cement concrete. Price for abutments to
include all excavation.

State price per cubic yard for abutments and per
lineal feet for superstructures.

Contractors to furnish plans and short specifica-
tions.

The lowest or any tender not necessarily accepted.

Address,
JAMES ANDERSON,
Clerk East Zorra,
Hickson P. O., Ont.

TENDERS FOR PORTLAND CEMENT

Sealed tenders, marked "Tenders for Cement,"
will be received at the office of the undersigned
up to 3 o'clock p.m. of the

8th Day of March next

for 1,000 barrels more or less of Portland Cement
of 50 pounds net weight in sacks, to be de-
livered in car load lots f.o.b. Kingston.

Specifications and forms of tenders may be ob-
tained on application, and the former may be
seen at the office of the CANADIAN CONTRACT
RECORD.

No tender will be received after the above
mentioned time and date, and no tender will be
considered unless accompanied with a certified
cheque as per specifications.

The lowest or any tender not necessarily
accepted.

H. B. R. CRAIG,
City Engineer,
Kingston, Ont.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE.]

WANTED

Good all round Architectural Draughtsman, prospective and color work not necessary. Write at once, stating experience, ability and salary required.
J. H. KENT,
Helena, Mont., U.S.A.

Tenders for Arches and Culverts and Abutments

Sealed proposals will be received at the Division Engineer's office, Winnipeg, until 18 (eighteen) K. WEDNESDAY, MARCH 14TH, 1906, by the Canadian Pacific Railway Company, for the construction of all or any of the following arches, culverts and abutments.

Fort William Section

Bridge 328—Mileage 101.11; concrete or masonry abutments for 50 ft. span; double track.
Bridge 304—Mileage 88.73; concrete or masonry abutments for 30 ft. span; double track.
Bridge 404—Mileage 57.23; 7 ft. concrete rail culvert; double track.
Bridge 466—Mileage 26.79; 8 ft. concrete rail culvert; double track.

Ignace Section

Bridge 211—Mileage 70.11; 10 ft. concrete rail culvert; double track.
Bridge 213—Mileage 69.0; 7 ft. concrete rail culvert; double track.
Bridge 214—Mileage 68.7; 7 ft. concrete rail culvert; double track.
Bridge 213—Mileage 52.05; concrete or masonry abutments for 20 ft. span; double track.

Kenora Section

Bridge 38—Mileage 73.9; 10 ft. concrete rail culvert; double track.
Bridge 42—Mileage 66.7; concrete or masonry abutments for 20 ft. span; double track.
Bridge 55—Mileage 51.5; concrete or masonry abutments for 20 ft. span; double track.
Bridge 66—Mileage 40.14 ft. concrete arch; approximate length 30 ft.; double track.

Brandon Section

Bridge 16.0—4 ft. rail concrete culvert.
Bridge 17.45—4 ft. rail concrete culvert.
Bridge 41.19—4 ft. rail concrete culvert.
Bridge 41.58—4 ft. rail concrete culvert.
Bridge 44.7—5 ft. concrete arch; approximate length 20 ft.
Bridge 65.2—14 ft. concrete arch; approximate length 58 ft.
Bridge 99.9—14 ft. concrete arch; approximate length 94 ft.
Bridge 100.1—14 ft. concrete arch; approximate length 30 ft.
Bridge 129.2—Concrete abutment for 50 ft. span.

La. Riviere Section

Bridge 54.3—4 ft. rail concrete culvert.
Bridge 55.2—4 ft. rail concrete culvert.

Broadview Section

Bridge 69.12—Concrete abutment for 30 ft. span.

Estevan Section

Bridge 88.2—Concrete abutment for 18 ft. span.
Bridge 108.5—10 ft. rail top for 18 ft. span.
Bridge 112.2—10 ft. rail top for 18 ft. span.
Bridge 116.8—4 ft. concrete arch.

Moose Jaw Section

Bridge 12.2—Concrete abutment for 17 ft. span.
Bridge 12.5—Concrete abutment for 17 ft. span.

Swift Current Section

Bridge 96.4—20 ft. concrete arch; approximate length 110 ft.
Bridge 101.3—20 ft. concrete arch; approximate length 110 ft.
Bridge 106.3—10 ft. rail concrete culvert.

Portal Section

Bridge 106—5 ft. rail concrete culvert.
Bridge 133—8 ft. rail concrete culvert.
Bridge 12.5—Concrete abutments for 30 ft. span.

The company will furnish rails cut to correct lengths f.o.b. at the work.

The right is reserved to reject any or all proposals, to award the contract to other than the lowest bidder, or to readvertise for proposals should the company deem such a course advantageous to its interests.

Plans, specifications and form of proposal can be seen at the Division Engineer's office, Winnipeg; Superintendent's office, Fort William; Superintendent's office, Brandon; Superintendent's office, Moose Jaw.

Envelopes containing proposals should be marked "Proposals for Arches and Culverts."

FRANK LEH,
Division Engineer,
Winnipeg, Man.

SEWERS

Sealed proposals will be received up to the 15TH DAY OF MARCH, 1906, for the construction and supplying of material of about 1 1/2 miles of Pipe Drains in the Town of Saskatoon, Saskatchewan. They are to be addressed to A. Turner, Esq., Secy-Treasurer, and marked "Tender for Sewers."

Specifications, plans, etc., may be seen at the office of the Secy-Treasurer or at the office of T. H. Wiggins, Engineer, after the 1st day of March, 1906. Tenders must be accompanied by a marked check on a chartered bank for 10 per cent. of the amount of the tender. No tender necessarily accepted.

A. TURNER,
Secretary-Treasurer.

CONTRACTS OPEN.

WEYBURN, ONT.—A 40,000 bushel elevator will be built here.

CALGARY, ALTA. — Rochon Bros. will build a factory 75 x 35 feet.

BEAVERTON, ONT. — H. Logan intends erecting a new residence.

BEAVER LAKE, ALTA. — A new school house is to be erected here soon.

BANFF, ALTA.—The C. P. R. will double the size of their hotel here this season.

BROUGHTON, N. S.—A large hall is to be built here for the Presbyterian church.

AYLMER, ONT.—The factory of the Aylmer Cigar Company is soon to be enlarged.

PICTON, ONT.—The Baptists purpose building a new church on Market street.

CARON, SASK. — A new Presbyterian church is to be built here to cost \$3,000.

WELLAND, ONT.—Plans are being discussed for the establishment of a hospital here.

SHELBURNE, ONT. — F. E. Cole will build a new residence on Main street this summer.

TRURO, N. S.—D. A. Vaughan, of St. Stephen, N. B., will establish a paper box factory here.

LIVERPOOL, N. S.—New bridges are to be built at Liverpool and Jordan River this season.

ANDOVER, N. B.—The C.P.R. intend to rebuild the bridge here, at estimated cost of \$60,000.

EDRANS, MAN.—The members of the Church of England have decided to build a new church here.

ERAMOSIA, ONT. — James Oakes will receive tenders up to March 9th for erection of a new school.

GUELPH, ONT.—Taylor Bros. purpose erecting nine houses, either of brick or cement, on Elora street.

ELORA, ONT.—W. Powers is preparing to build a residence on the lot adjoining his present residence.

NELSON, B.C. — The C.P.R. will make improvements on the Kootenay division to cost about \$500,000.

LANGHAM, SASK.—A. J. Derksan is about to invite tenders for a 30 ft. addition to the Central Hotel.

SELKIRK, MAN. — A new public school will be built from plans prepared by William Fingland, of Winnipeg.

ST. HENRI, QUE.—O. Decarie has secured a permit to construct three houses on Notre Dame street, to cost \$5,000.

STE. CUNEGONDE, QUE.—Itzwere & Sarasin have secured a permit to erect a large sawmill here, to cost \$13,000.

STRATFORD, ONT.—James Wilson intends erecting a large three-storey building, corner Downie and St. Patrick streets.

CARMAN, MAN.—The members of the Methodist church are considering plans for the erection of a new building.

ESSEX, ONT.—The Laing-Ritchie Company will soon erect a new building on the present site of the Imperial Bank

PORT CARLING, ONT. — The G.T.R. have decided to construct a branch line from Falkenburg to Port Carling.

FINGAL, ONT.—N. R. Darrach, architect, St. Thomas, is preparing plans for a new Presbyterian church to be built here.

WINDSOR, N. S.—The Bank of Nova Scotia have purchased a site on Water street on which they will erect a fine bank building.

INVERNESS, N.S.—Tenders will be received up to March 8th by A. L. Macdonald for the building of a new church here.

MEAFORD, ONT.—J. L. Cornwell, Mr. King and Wm. Kerr, Bayview, will build residences near the High School this spring.

MORRISBURG, ONT.—It is probable that the old bridge at Winchester Springs will soon be replaced by an iron structure.

HAMILTON, ONT.—Subscriptions are being taken by the members of the Gospel Tabernacle for the erection of a new church.

PENETANGUISHENE, ONT. — Simcoe County Council have decided to assist in the establishment of a High School here.

SOURIS, MAN.—W. McCulloch intends building an addition to his brick block on corner of Sixth avenue and First street.

HESPELER, ONT.—The congregation of the Methodist church have decided to enlarge and extensively repair their church.

BOISSEVAIN, MAN.—F. L. Schaffner will receive tenders up to March 16th for the erection of a brick school house here.

MOOSE JAW, SASK.—Tenders will be received by H. Jagger, up to March 31st, for the erection of a school building on South Hill.

GLACE BAY, N.S.—A modern round-house will be erected here in connection with the Dominion Coal Company's railway system.

DOUGLAS, ONT.—The work of constructing a flour and feed mill will be begun in the spring. The motive power will be electricity.

WEST LORNE, ONT.—It is understood that a plant for manufacture of concrete blocks and tile will be established here this spring.

WINGHAM, ONT.—A High School building will be built here during the summer. Dr. A. J. Irwin is Chairman of Board of Trustees.

DURHAM, ONT.—John H. Brown will receive tenders until March 10th for the erection of a caretaker's residence on the cemetery property.

PORT HOPE, ONT.—G. W. Jones, of Newtonville, is endeavoring to have a local telephone line established in Hope and Clarke Townships.

TRALEE, ONT.—Tenders will be received by Martin Litzeman, up to March 10th, for cement basement and brick veneering of school house.

NEEPAWA, MAN.—Tenders will be received by J. J. Hamilton, president of the Board, up to March 5th, for erection of a new wing to the hospital.

EAST TORONTO, ONT.—The congregation of St. Matthews' church are taking steps towards the erection of a new brick edifice on Cummings street.

WELLAND, ONT.—The Robertson Machinery Company have purchased a site on Lincoln street on which they will erect buildings suitable for their business.

PEMBROKE, ONT.—Surveyors are at work in Westmeath Township on a

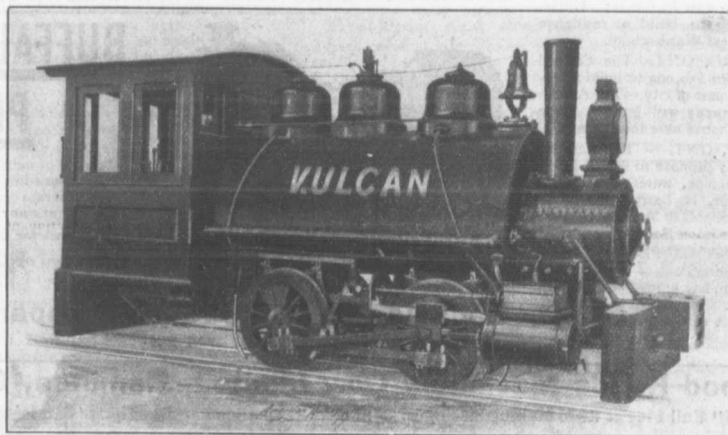
LIGHT LOCOMOTIVES

All Capacities

Any Gauge

With or Without Tender

Burning Wood or Coal



Bucyrus Steam Shovels Smith Concrete Mixers

Bucyrus Railroad Pile Drivers

Austin Gyratory Crushers

Contractors' Dump Cars

Hoisting Engines

SPECIFICATIONS AND CATALOGUES ON APPLICATION

W.H.C. MUSSEN & CO.

Railway, Mining, Municipal and Contractors' Supplies

MONTREAL

has asked for tenders for supply of lumber, sewer-pipe, etc., for city works.

RED DEER, ALTA.—The Alberta Northern Railway & Coal Company is applying for incorporation to build a railway from Lethbridge to Edmonton.—A new Methodist church will be built here the coming summer, at estimated cost of \$20,000.

GALT, ONT.—The Board of Directors of the Galt, Preston & Hespeler Street Railway Company have decided to add 60 horse-power to present freight locomotive and to purchase another locomotive and a new passenger car.

HALF ISLAND COVE, N. S.—Tenders are asked by F. Gelinus, Secretary Department of Public Works, Ottawa, until March 13th, for the construction of a breakwater here. Plans at office of C. E. W. Dodwell, Halifax, E. G. Millidge, Antigonish, and at above Department.

NEWMARKET, ONT.—An effort is being made by the citizens to have the Pickering College building erected here.—The surveying for the Lake Simcoe canal is nearly completed and tenders for its construction will soon be invited.

HALIFAX, N. S.—The Board of Trade passed a resolution requesting the Government to grant a bonus to aid in establishing steel ship-building here.—The erection of a sanitarium on Sable Island is being discussed here by medical men.

BRANTFORD, ONT.—It is understood that the building now occupied by Henry Hall on Queen street will be replaced by two large stores.—J. A. Smith, Township Clerk, will receive tenders until March 3rd for supply of cement, lumber, etc.

REGINA, SASK.—Plans have been prepared by W. W. LaChance, architect, for a hotel to be erected on South Railway street to cost \$40,000.—Frank Evans, architect, Winnipeg, is preparing plans for an extensive enlargement of the Alexandra Hotel on Hamilton street.

PORT ARTHUR, ONT.—An agreement has been made with certain Boston

capitalists, who will erect extensive tube works to cost about \$750,000.—James McTeigue will receive tenders up to March 2nd for erection of a brick and stone fire station.

QUEBEC, QUE.—The North Shore Power, Railway & Navigation Company will shortly be in the market for eight 100 k.w. generators for their pulp mill at Seven Islands.—The Bank of Montreal have purchased the old St. Lawrence

Chambers at corner of James and Peter streets and will replace the present building with a modern seven-storey structure.

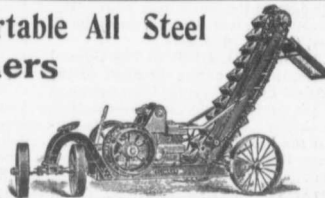
SAND and SLAG

For Roadbuilding, Sewer Construction, Concrete Foundations and Footings is our specialty.
SAND & DREDGING, Limited
Tel. M. 4507. Office: John St. Dock, TORONTO

Climax Low Down Portable All Steel Crushers

3 sizes Portable as per cut.
2 sizes Stationary. Send for 1906 prices.

Climax Road Machine Co.
Hamilton, Canada



- CONCRETE PIPE -

Reinforced Concrete, Culvert and Sewer Pipe

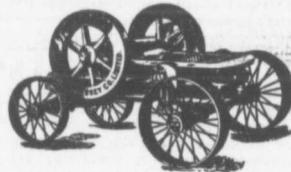
Frost-Proof and Practically Indestructible
We have on hand large stocks of well matured Reinforced Concrete Pipe, 6 inch to 36 inch. Larger sizes made to order. 2 x 3 Egg shape Sewer Pipe for City and Town sewers. Railway Engineers and others interested please write us for particulars.

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

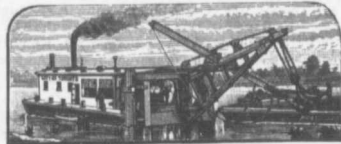
Chief Assistant Engineers:
O. W. SMITH, C. E. W. J. BOWERS, C. E.
25 Jordan Street **TORONTO**

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 16 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, CAN.



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 **DISTRIBUTORS**
Yards 75-81 " " "
Long Distance Phone North 1787.



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.

PRINCE ALBERT, SASK. — Mrs. Stuart will build a residence on a site on the hill.

FORT WILLIAM, ONT.—A large freight shed is to be built here this summer for the C.P.R.

MANITOU, MAN.—The Independent Order of Foresters have decided to build a new opera house here this spring, to cost about \$6,000.

CHICOUTIMI, QUE.—The Chicoutimi Pulp Company are constructing a large dam on the Aux Sables river. McDougall & McRae, Ottawa, and John F. Guay, Quebec, engineers.

LAKEFIELD, ONT.—The Council contemplate purchasing the plant of the Lakefield Light & Power Company, and will ask for \$2,500 for improvements.—The County Council have decided to purchase the Preston property here as a site for new House of Refuge; estimated cost of building, \$30,000.

NIAGARA FALLS, ONT.—A Canadian branch of the Ramapo Iron Works is to be established here to manufacture railway supplies. J. W. Nesbitt, K. C., John G. Gould, and others, of Hamilton, are interested.—The International Railway is making preparations to build temporary car sheds on the site of the old ones, recently burned.

BRANDON, MAN.—The Brandon Electric Light Company purpose increasing their power plant and will erect a new brick station.—The C.P.R. have recently granted sites on their tracks here and four warehouses will soon be built thereon.—C. B. McAllister, of the Great Western Power & Manufacturing Company, Peterboro, has been in town with the view of establishing a large gas and electric power plant here.

TORONTO JUNCTION, ONT.—J. H. Drummer has decided to build several small houses in the west end of the town.—The Gunn Bros. Abattoir Company are making arrangements to build thirty houses for workmen near their works.—Others who will engage extensively in building operations are John Marr, T. J. Fleming & Sons, Thomas Wright, D. Kaiser, and John Keys.

VICTORIA, B. C.—Plans are being prepared for the reconstruction of the interior of the Savoy Theatre on Government street.—It is proposed to construct a tank to drain the district between St. Lawrence street and the outer wharf, estimated cost \$8,000.—The Government of British Columbia invite architects to submit competitive designs by March 10th for a court house at Vancouver to cost \$150,000. For first prize \$350 will be given, and for second prize \$250.

EDMONTON, ALTA.—The Bank of Hamilton are negotiating for the purchase of a site on which to erect a bank.—The Molsons Bank purpose erecting a new building.—Arthur Congden will build two stores on Third street to cost \$3,500.—Joseph Schuster has taken out a permit for a residence to cost \$2,000.—At the regular meeting of the City Council on February 21st, the City Engineer submitted plans for extending the waterworks system three miles and the sewerage system over four miles, at an estimated cost of \$115,000.

NEW WESTMINSTER, B. C.—A two-story brick and stone block will be built on the vacant lot, corner Columbia and Sixth streets, which was recently sold by Malins & Coulthard.—The Sumas Development Company are considering a scheme for the reclaiming of a large area of land on Sumas prairie. This would change the course of the Chilliwack river so that it would empty into the Fraser river at Miller's Landing instead of into Lake Sumas.—John Crean has purchased a lot on Columbia street, opposite Bank of Montreal, on

which he purposes erecting a large hotel.—There is prospect of a boot and shoe manufacturing house being established in connection with the Fraser River Tannery.

OTTAWA, ONT.—The G. T. R. have secured an option on the Corry Block, which they will replace by a new station if a deal is made.—At a vestry meeting of St. Matthew's Church, it was decided to provide for a necessary extension to their building.—The trustees of Stewarton Presbyterian Church have accepted plans for their new building, which is to be of limestone and to cost about \$27,500.—J. E. Brown, Superintendent of the Electrical Department, will receive tenders up to March 2nd for supply of meters, transformers, incandescent and arc lamps, wire, globes, etc., for the municipal plant.—An addition to the Creighton street school has been approved by the Board of Education.

MONTREAL, QUE.—The Grand Trunk Railway have purchased property opposite their main offices, on which it is said the offices of the Grand Trunk Pacific Railway will be built.—The Canadian Pacific Railway Company are negotiating for the purchase of the biscuit factory site of Viau Freres on Notre Dame street for the extension of their freight sheds.—Finley & Spence are the architects for extensive apartments to be erected at Pine avenue and Durocher street.—The Smart Bag Company have organized, with a capital of \$1,000,000, and intend erecting a modern bag plant here. Lieut.-Col. C. A. Smart is interested.—The new offices of the Royal Bank, on St. James street, will be begun this spring. The front will be of white marble.

VANCOUVER, B. C.—Capitalists from Portland and New York are negotiating for the purchase of the site now occupied by the court house on which they would erect a large five or six storey stone hotel and theatre.—The Glasgow Hotel is to be remodelled into a six-storey solid brick building.—The Royal Bank of Canada intend soon to replace the Horner Block by a fine building.—It is understood that plans are being prepared for a magnificent Orange Hall, corner Gore avenue and Hastings street.—The Norris Safe and Lock Company, of Seattle, Wash, have decided to erect a five-storey block on Granville street.—Alexander Pantages, of Seattle, has in view the erection of a new theatre here.—T. J. Roberts is having plans prepared for an addition of fifty rooms to the Grand Hotel.

WINNIPEG, MAN.—J. H. Cadham, architect, has just taken tenders for erection of two additional stories to the McIntyre block.—Tenders will shortly be asked for the erection of a large business block on the north-east corner of Portage avenue and Donald street.—Hooper & Walker, architects, are this week taking tenders for a brick and stone warehouse for E. H. Briggs & Company and will receive tenders up to March 8th for erection of brick and stone residence for James Scott, Wellington crescent, Fort Rouge.—The Board of Directors of the Winnipeg General Hospital have decided to erect a nurses' home, plans for which have already been submitted.—Tenders are invited in this issue for the construction of a number of arches, culverts and abutments for the Canadian Pacific Railway.—The Shaarey-Shomay congregation have decided to erect a temple on Dagmar street, at an estimated cost of \$30,000. Dr. Friedlander is the head of the congregation.—S. Brown has purchased a site on River avenue, Fort Rouge, on which he will erect a large four-storey apartment block, of Edmonton pressed brick.—The Canadian Bay Company intend erecting a large factory in this city.—St. Joseph's Orphan Home Society will erect a new home in St. James, just

west of the C.P.R. tracks, for which plans are now being prepared.

TORONTO, ONT.—F. S. Baker, architect, has prepared plans for Huylers' store and factory on Yonge street. Tenders will be invited immediately.—The Canadian Savings, Loan & Building Association have purchased 43 and 45 Adelaide street east, and will make alterations thereto.—F. T. Burgess has purchased the block of property at 630 Pape avenue and intends this season to erect houses on the Pape and Frizell avenue frontages.—The City Engineer estimates that it will cost \$90,000 for the erection of 2,400 feet of sea wall in front of the Exhibition Grounds and at a distance of 500 feet from the present shore line.—The plans of George W. Guinlock, architect, for the new Press Bureau and Horticultural Building, have been adopted by the Exhibition Board. The Press Bureau will be a two-storey structure 70 feet by 40 feet and the Horticultural Building will be in the form of a cross, 220 feet from end to end, cost \$70,000.—New granolithic walks are to be laid in Allan Gardens, to cost \$3,100.—A site on the west end of Hanlan's Island has been secured on which to erect a church.—Tenders are wanted at 98 Brunswick avenue for erection of eight-roomed brick residence.—The enlargement of Osgoode Hall, which has been under consideration for some time, is likely to be commenced at an early date. F. R. Heakes, Provincial Architect, recently made a thorough examination of the building.—The Bell Telephone Company purpose building two new exchanges this year, one on Lee avenue, the other on corner of Oxford street and Bellevue avenue.—C. W. Postlethwaite, Harbormaster, will receive tenders up to March 5th for dredging required in the harbor.—The Toronto & York Railway Company will proceed at once with the construction of their road easterly from Scarborough Village to Whirby, and possibly to Oshawa.—The National Trust Company have sold sites on Beatrice street and Grace street, on both of which dwelling houses will be built this spring.—Building permits have been granted as follows: R. Crashley, 2 and 3-story addition to store and dwelling, 367 Queen street west, cost \$5,000; J. S. Montgomery, two pair 2-story brick and stone dwellings, Dupont street, cost \$10,000; Wm. Steward, pair 2-story and attic dwellings, Guelph avenue, cost \$4,500; D. Colville, pair 2½-story brick dwellings, 32-34 Seaton street, cost \$9,000; Willis Pennock, pair 2½-story brick and stone dwellings, Grace street, near Collesse, cost \$7,000; Francis Jones, pair 2½-story brick dwellings, Dufferin street, near Lindsay avenue, cost \$5,000; Cosgrave Brewery Company, 2-story brick and concrete warehouse, rear of 297 Niagara street, cost \$3,500; W. J. Davidge, pair 2½-story brick and stone dwellings, Bathurst street, near Harbord, cost \$8,000; F. A. Galy, 2-story and attic brick dwelling, 44 Beaconsfield avenue, cost \$3,000; A. E. Wright and A. Lynn, pair 2½-story stone and brick dwellings, Crawford street, near Harrison, cost \$6,000; F. W. Doran, 2-story and attic brick dwelling, Forest Hill road, near Lonsdale avenue, cost \$4,000.

Mr. A. H. McDougall, town engineer of Port Arthur, Ont., died very suddenly on February 13th while engaged on some work in connection with the waterworks improvements.

Mr. W. F. Tye has tendered his resignation as chief engineer of the Canadian Pacific Railway, and it is understood will become the head of a new company to be organized for the purpose of engaging in railway building.

CONTRACTS AWARDED.

DANVILLE, QUE.—T. T. Shurtleff, of Coaticook, has the contract for building the new Methodist church.

BARRIE, ONT.—\$15,000 town debentures: Canadian Securities, Limited, Toronto, purchasers, \$15,447.89.

COLLINGWOOD, ONT.—H. O'Hara & Company, of Toronto, have purchased \$32,000 town bonds bearing 4½ per cent.

PICTON, ONT.—The contract for installing the new electric light plant has been awarded to the Westinghouse Company.

GUELPH, ONT.—W. Husson has received the contract for building a double house for ex-Mayor Kennedy to cost \$3,000.

KINGSTON, ONT.—W. J. Gates has secured the contract to build the wharf on the shore of Wolfe Island, near Batteau channel.

OWEN SOUND, ONT.—The contract for building the new tunnel at Eugenia Falls has been given to Rowan & Elliott, of St. Catharines.

STRATFORD, ONT.—Two-story white brick machine shop on Dinnie street for George Heinbuch: Masonry, J. Player; carpenter work, D. Easson.

REGINA, SASK.—The tender of Smith Bros. & Wilson, of Lethbridge, has been accepted for erection of new city hall, at price of \$108,000. Five tenders were submitted.

NIAGARA FALLS, ONT.—Braas Bros., Niagara Falls, N.Y., have the contract to erect the visitors' gallery in the power house of the Canadian Niagara Power Company.

OTTAWA, ONT.—The following tenders have been accepted for Fat Stock Show building: Brick and masonry, Alexander Garvock, \$9,250; carpentry, A. Richards, \$11,383; heating, Sheldon & Sheldon, Galt, \$3,196; painting, W. J. Carson, \$1,700.

TORONTO, ONT.—J. K. Brodie's residence, Roxborough avenue: Masonry and plastering, Dancy Bros.; carpenter work, A. M. Torgis; painting, Thornton Smith & Company; wiring, R. A. L. Gray & Co.; plumbing and heating, Keith & Fitzsimmons. F. S. Baker, architect.

MONTREAL, QUE.—Mackenzie & Mann have given a contract to J. P. Mullarkey and M. J. O'Brien to build a 100 miles extension to the Great Northern Railway in Province of Quebec, consisting of 80 miles from Garneau Junction to Quebec and 20 miles from Montford Junction to St. Jerome.—The contract of building the Grand Trunk Pacific Railway from Touchwood Hills to Saskatoon, a distance of 140 miles, has been let to the Canadian White Company, of Montreal, and that portion from Saskatoon to Edmonton, 317 miles, to Foley Bros., Larson & Company, of St. Paul, Minn. Others who tendered were W. O. Johnston & Sons, McDonald, McMillan & Company and J. D. McArthur.

HAMILTON, ONT.—Supply of sewer pipes: Hamilton & Toronto Sewer Pipe Company, successful tenderers.—The Board of Hospital Governors have recommended that the following tenders be accepted for new building: Central heating system and ventilation, \$9,470; concrete piers, G. F. Webb, \$59; plate glass and signs, A. M. McKenzie, \$380; electric wiring, Stout & Miller, \$910; picaro flooring, W. J. Wall, \$788.—The following tenders were received by the Board of Works for this year's supply of cement: Stinson-Reid Building Supply Company, Montreal, \$1.78 per barrel; Atlas Cement Company, New York, \$1.39 plus duty of 43¼ cents per barrel; Lakefield Portland Cement Company, \$1.83 per barrel; Owen Sound Cement Company, \$1.88; National Cement Company, Durham, \$1.90.—The contract for supplying gravel was given to Armstrong Bros. as follows: West of Bay street, \$1.15 a load; west of Emerald street,

\$1.30; east of Emerald street, \$1.55; north of C.T.R. main line, \$1.40; east of Sherman avenue, \$1.75. The contract for lumber was given to James Thompson at \$21.78 per thousand feet.

BIDS.

VANCOUVER, B.C.—Tenders for the paving of Nelson street from Granville street to Stanley Park have been received as follows: Barber Asphalt Company, \$50,400; Independent Asphalt Company, \$52,700; B.C. Contract Company, three tenders, for asphalt \$74,676, bitulithic pavement with concrete base \$59,570, bitulithic with broken stone base \$57,300; Warren Bituminous Company, Toronto, \$58,100.

NEW COMPANIES.

Builders' Wood-Working Company, Limited, Sunny Brae, N.B., seeking incorporation, capital \$20,000. Promoters, John A. Bourque, T. D. Le Blanc, Moncton, N.B., and others.

Dominion Stove and Heater Works, Montreal, Que., incorporated, capital

\$500,000. Directors, H. L. Mitchell, R. T. Hencker, W. C. Strachan and W. G. Mitchell.

Ever-Ready Fire Extinguisher Company, Limited, Brandon, Man., incorporated, capital \$100,000. Directors, Chas. Brent, Joseph McComb and others.

Grand Manan Telephone Company, Limited, Grand Manan Island, N.B., incorporated, capital \$2,000. Directors, Geo. E. Dalzell, Alex. Small, of Castalia, N.B., and others.

London Pant, Overall and Shirt Manufacturing Company, Limited, London, Ont., incorporated, capital \$10,000. Directors, Thomas Deeley, Adam Thornton and James Granger.

Cheapside Natural Gas and Oil Company, Limited, Cheapside, Ont., incorporated, capital \$10,000. Directors, Geo. Sherk, William Atkinson and others.

Fox Brothers & Company, Limited, Windsor, Ont., incorporated, capital \$40,000, to manufacture furniture, wood-work, etc. Directors, C. W. Fox, J. K. Henry and others.

PORTLAND CEMENT.



SEWER PIPES
FIRE BRICKS
FIRE CLAY
ALEX. BREMNER



50 Bleury Street, MONTREAL

Turbine Pumps and Electric Motors

For use in connection therewith; all of highest efficiency and best workmanship.

MADE BY

MATHER & PLATT, Ltd., Manchester, England.

Drummond, McCall & Co.,

CANADIAN AGENTS

MONTREAL

Owning and Operating
DUNDAS QUARRY
RYMAL 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.

Lafarge (NON-STAINING) Cement

PORTLAND CEMENT

FIRE BRICKS

DRAIN PIPES

FIRE CLAY

CULVERT PIPES

SEWER BRICK

SEWER BOTTOMS

F. HYDE & CO.,

King, Queen and Wellington Sts. - MONTREAL

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

Manufacturers of
"HERCULES" BRAND OF PORTLAND CEMENT

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

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

Phone No.: PARKDALE 1809.

Post Office and Telegraph Address: SWANSEA.

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



This is the time to get in your stock before the rush starts.

- VITRIFIED SALT GLAZED - SEWER PIPES

Price Lists and Discounts on Application

In Sizes from 4 inches to 24 inches

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

"JUDGE A CEMENT BY ITS WORKS"



The Toronto Pressed Steel Co., Limited
Toronto and Winnipeg

Manufacturers

Drag Scrapers (Solid pressed bowl)
Wheel Scrapers (pressed or square bowls)
Dump Cars, from 1 to 3 yards
Wheelbarrows, Wood or Steel Trays
Waggons, Carts, Cement Mixers, Etc.



Prompt delivery from stock at Toronto and Winnipeg. Send for complete catalogue. Write nearest office.

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.

CORRESPONDENTS

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

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

WARING-WHITE BUILDING CO.,
London, England

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 Test Sieve No. 100	Setting Time in Minutes		Tensile Strength in pounds per square inch.									
					Initial	Final	Neat.					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

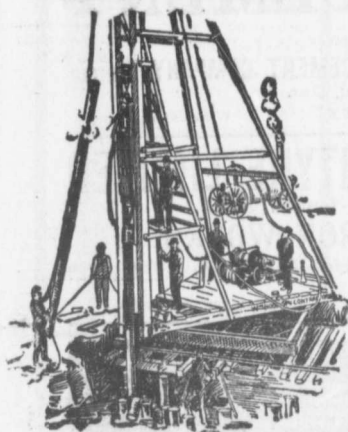
The Canadian Bridge Co., Limited

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

.. 182½ 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

104 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.

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

John J. Gartshore

85 Front St. West,

(Opposite Queen's Hotel.) TORONTO

WIRE ROPE

"ACME" brand

Highest grade of hoisting rope made. Extra tensile strength for heavy work. One strand painted green, look for it.

Use Greening's Rope Grease for Lubrication

THE

B. GREENING WIRE CO., LIMITED

HAMILTON, ONT. MONTREAL, QUE.



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. 466
Office and yard, 307 Logan Ave.—Phone M. 3007

WORTHINGTON PUMPS

FOR WATER WORKS SERVICES



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 1882

Montreal.

Limited.

"WORTHINGTON" TURBINE PUMPS

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

WE ALSO MANUFACTURE

Boilers, Tanks, Filters
Etc.

MEETING OF ENGINEERS' CLUB.

At the regular weekly meeting of the Engineers' Club on Thursday evening, 22nd inst., the subject for discussion was "Suburban Railways." This was introduced by Mr. C. H. Wright in a well prepared paper in which he ably handled the subject from the electrician's standpoint. He showed the advantages of electricity, as a propelling power, over steam.

An interesting discussion followed the reading of the paper. Some points upon which the opinions of all seemed to harmonize were, that steam-power is more advantageous in thinly populated districts and in those sections of the country where the snow element has to be contended with. Advantages were claimed for electricity where frequent stops were required, as the acceleration could be obtained more easily. The subject of expense of operating both systems was also touched upon.

McDOUGALL & McRAE ENGINEERS

Electric Light and Power-Plants.
Electric Railroads.
General Consulting Work.

Citizen Building **OTTAWA**

The Electric Blue Print Co.

49 Hospital Street, MONTREAL

BLUE PRINTS
POSITIVE BLUE PRINTS
BLACK PRINTS
MULTI-COLOR PRINTS

Best Finished Work on the Market at the Lowest Prices.

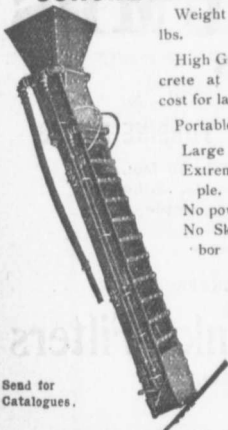
A. LEOFRED

(Graduate of McGill).

Consulting Engineer

WATERWORKS A SPECIALTY.

30 St. John Street **QUEBEC**
Metropolitan Ins. Bldg.
Phone 545

THE PORTABLE GRAVITY CONCRETE MIXER

Send for Catalogues.

Weight about 500 lbs.

High Grade Concrete at very low cost for labor.

Portable.

Large capacity. Extremely simple.

No power used. No Skilled Labor

Continuous action.

Other Mixers and Concrete Mixing Machinery

E. F. Dartnell
Montreal

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

SAMSON CEMENT

MANUFACTURED BY

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

Works at **SHALLOW LAKE, ONT.**

Write us for prices

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.

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. Hupp, Gen. Mgr.

Massillon, Ohio, U. S. A.

ROGERS SUPPLY CO.**CRUSHED STONE**

ALWAYS ON HAND AND ARRIVING DAILY

for Cement Sidewalks, Road Foundation and Concrete Work

Head Office: 3 KING STREET EAST

Phone Main 4155

TORONTO

YARDS:

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

**"GIANT" PORTLAND CEMENT**

Is the product of the very best and most carefully selected materials, cement rock and pure limestone, combined and proportioned under expert and experienced supervision, in constant attendance. Every detail of the process is rightly and scientifically carried out and there is no guesswork about it. This is absolutely necessary to make good cement.

Price is not always an indication of quality, but within limits, under normal conditions, it is suggestive. Better pay a fair price for a reliable and proved cement like the old reliable "GIANT" than to experiment.

Write for Booklet "Test of Time"

STINSON-REE BUILDERS' SUPPLY CO., Limited.

Canadian Distributors, Montreal

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.

--- 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,

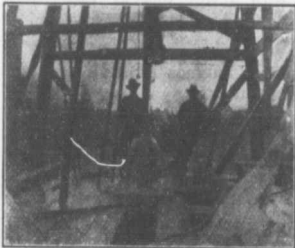
CHINA CLAY.

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

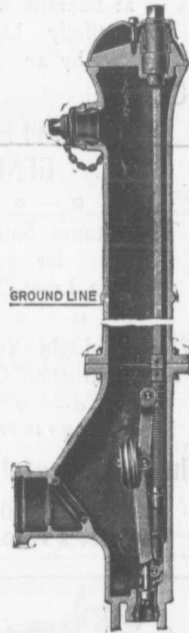
FAIRBANKS
HYDRANTS

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., Limited
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, ONT

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.

T. A. MORRISON & CO.

204 St. James Street
MONTREAL

Stone Crushers and Grinders
Steam Road Rollers
Fire Engines, Steam and Gasoline
Concrete and Macadam Stone

The Military Camp
at Laprarie was
Beautifully Lighted
by an

ECLIPSE**ACETYLENE
GENERATOR**

The Utmost Satisfaction
for
The Least Cost

Why not Light Your Camp
or Construction Offices?

WRITE US FOR PRICES

**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

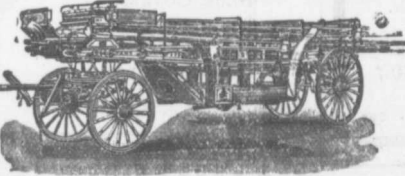
"RATHBUN'S STAR"

The Canadian Standard
THE CANADIAN PORTLAND CEMENT CO., LIMITED

General Sales Office : 502 Temple Building, TORONTO
Montreal Local Office : 203 Board of Trade Building, MONTREAL

LIGHTNESS, STRENGTH AND ECONOMY

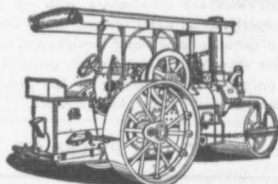
Seagrave Patent Trussed Ladders, Trussed Aerial, City Service and Village Hook and Ladder Trucks, Combination Hook and Ladder Trucks and Chemical Engines, Trussed Trucks and Hand Pumps, Combination Hose Wagons and Chemical Engines, Hose Wagons, Combination Hook and Ladder Trucks and Hose Wagons, Chemical 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.

"WATEROUS"**ROAD MACHINERY AND
FIRE APPARATUS**

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

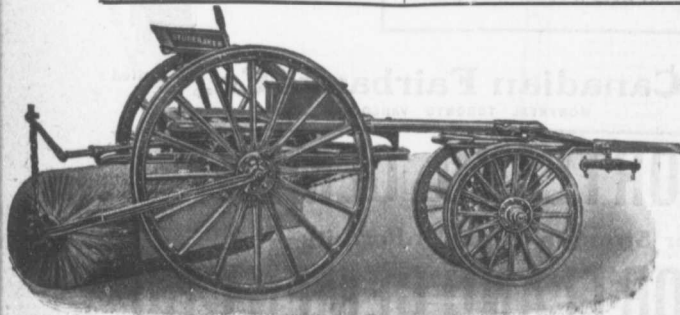
We Rebuild other makes of
Fire Engines with our
patent Boiler.

BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

IN THREE SIZES—10, 12 and 16 ton.

CORRESPONDENCE SOLICITED.

HUGH CAMERON & CO., Selling Agents, 75 Queen St. West,
Manning Chambers, TORONTO



Stackpole
Patent Improved

Street Sweeping Machine

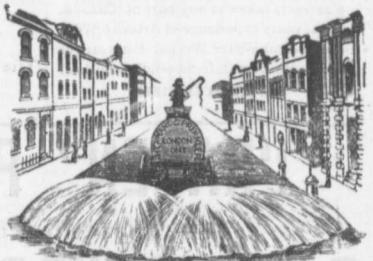
Is the Standard
of Perfection

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

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

IMPROVED VERTICAL SPRAY
for Pavements.

Geo. Heaman, Mnfr., London, Ont.

**Studebaker Sprinkler**

(PATENT IMPROVED.)

GEO. 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 Barutic Stone Company of Ontario, Limited.

WALTER MILLS General Manager. Head Office: INGERBOLL, 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,
35 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 & DIAMOND BRANDS

AS GOOD AS THE BEST FOR ANY PURPOSE

Office and Works: Longue Point, MONTREAL, QUE.
Long Distance Phone R. 456 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, Constructions, 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.

52-53 James 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, Etc. 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 COMPANY,

B. V. HOLE, MANAGER

LONDON, ONT

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 CANADIAN SEWER PIPE CO.

MANUFACTURERS OF



FOR

Sewers, Culverts and Water Pipes

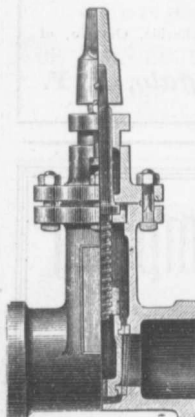
Inverts for Brick Sewers

WRITE FOR DISCOUNTS

ST. JOHNS, P.Q.

HAMILTON, ONT.

TORONTO, ONT



Sluice Valve

GLENFIELD & KENNEDY, LTD

KILMARNOCK

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

AND ALL CLASSES OF WATER FITTINGS

ACCUMULATORS, PUMPS, HYDRAULIC MACHINERY

PENSTOCKS, FLUSHERS, SEWERAGE FITTINGS

KENNEDY'S PATENT WATER METERS. Over 165,000 in use.

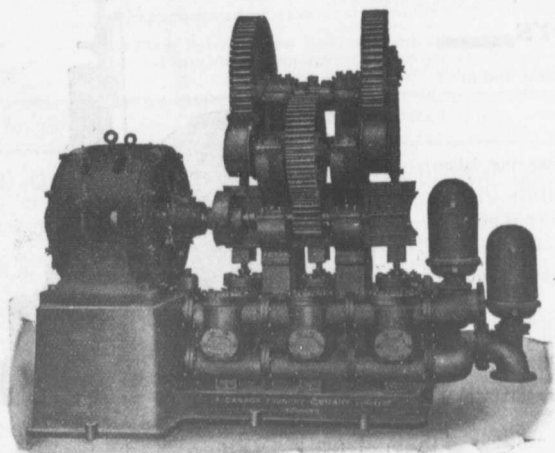
ASHLEY'S PATENT DEEP-WELL PUMPS

Canadian Representative **John T. Farmer,**

Coristine Building, Montreal

Triplex Power Pumps

Belted or Direct-Connected to
Electric, Steam or Gas Motors



Highly recommended where a constant delivery of water under pressure is desired.

All styles and sizes for all duties.

A full line of waterworks' supplies carried in stock.

Write for Catalogue.

C. G. E. Motor Direct-Connected to Double Acting Triplex Pump.

CANADA FOUNDRY CO., Limited

Head Office and Works: TORONTO, ONT.

District Offices: MONTREAL HALIFAX OTTAWA WINNIPEG VANCOUVER ROSSLAND

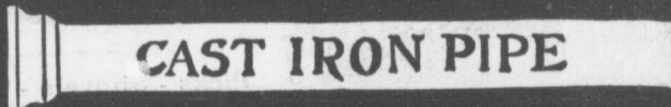
THOS. J. DRUMMOND, President.

JAMES T. McCALL, Secretary-Treasurer.

C. ED. GIDEWILL, Vice-President.

Montreal Pipe Foundry Co., Limited

Special Castings
Flange Pipe
Branches
Hydrants
Valves



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



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.

Contractors' SUPPLIES.

Concrete Mixers

The Ransome Concrete Mixer is the simplest and most up-to-date machine on the market.

Easy to operate—no intricate parts.

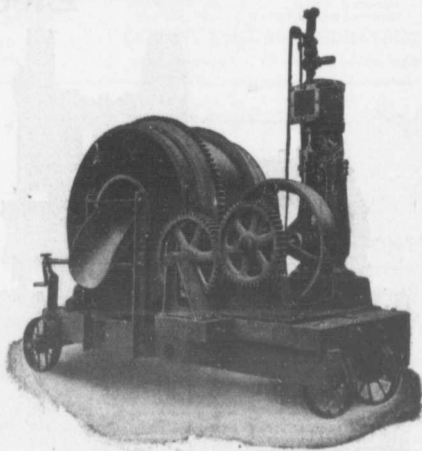
The discharge is rapid and simple, saving the labor of two extra men.

The original cost is low.—The workmanship is perfect. The machine fully guaranteed.

The concrete is unexcelled for strength and uniformity.

What we want is your enquiry—It will pay you to get in touch with us.

MIXERS WITH OR WITHOUT POWER—ALL CAPACITIES.



1906 Model Ransome Mixer. Note heavy gears.

Hoisting Engines and Derricks

of strictly the best design.

All sizes - Quick deliveries - Low prices

CONCRETE BUCKETS

CONCRETE BARROWS

RANSOME TWISTED BARS

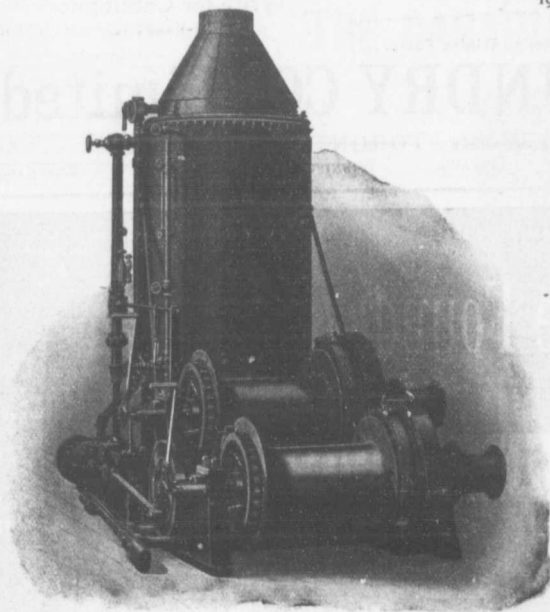
for re-inforcing.



Picks - Shovels - Cars

Rails - Pumps - Ropes

Rock Crushers, etc.



CATALOGUE ON REQUEST.

F. H. Hopkins & Co.

Successors to the Late James Cooper
MONTREAL

Dunn Bros. & Company, Winnipeg Agents