

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. 15.

TORONTO AND MONTREAL, MARCH 16, 1904

No. 5.

THE CANADIAN CONTRACT RECORD

PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Architect and Builder.

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

THE C. H. MORTIMER PUBLISHING COMPANY

of Toronto, Limited,
CONFEDERATION LIFE BUILDING, TORONTO.
Telephone Main 2362.

Branch Offices:
Imperial Building, Montreal,
Telephone Main 2399.
23 Great St. Helen's London, England
Advertising Rates on application.

TENDERS

will be received until the 19TH INSTANT for the various trades in the erection of a Dwelling House. The lowest or any tender will not necessarily be accepted. Plans to be seen at the office of

CHAS. F. WAGNER, Architect,
28 Toronto Street, Toronto.

CITY OF BRANTFORD

**Cement, Sewer Pipe, Paving
Brick and Lumber**

Sealed tenders, addressed to S. F. Whitham, Esq., Chairman of the Board of Works, in care of the City Clerk, Brantford, Ont., will be received to 12 o'clock, noon, on

Thursday, March 24th, 1904.

For the supply of Cement, Sewer Pipe, Paving Brick and Lumber required for the City of Brantford for 1904.

Specifications and forms of tender may be had on application to the City Engineer. The lowest or any tender not necessarily accepted.

T. HARRY JONES,
City Engineer.

Brantford, March 7th, 1904.

Town of Walkerville

Tenders for Sewers

Sealed tenders will be received by registered post, addressed to the undersigned, up to noon on TUESDAY, THE 22ND DAY OF MARCH, 1904, for the construction of a Sewer on the lane in the rear of Fourth street, between Erie street and Huron street and Huron street and Ontario street, in the Town of Walkerville.

Plans and specifications may be seen on application to Mr. Owen McKay, Walkerville. Tenders must be accompanied by a marked cheque, made payable to the Town Treasurer, equal to 2½ per cent. of the amount thereof, should any party whose tender is accepted or his sureties fail to execute the necessary contract and bond for the due fulfilment of the same, his deposit will be forfeited to the town.

Deposits of unsuccessful tenders will be returned. The lowest or any tender not necessarily accepted.

The names of two responsible parties willing to act as sureties must accompany each tender.

Cecil H. Robinson,
Town Clerk,
Walkerville,
Walkerville, March 11, 1904.

TENDERS WANTED

for the erection of five houses on River Street. Plans and specifications at the office of Reinhardt & Company, Brewers, Mark St., Toronto.

Tenders

Tenders will be received up till 6 p.m. MARCH 31st, inst., for the construction of an enlargement of the Hydraulic System of the Hamilton Cataract Power, Light & Traction Company, Limited, in accordance with plans and specifications which may be seen at the Company's office, 123 King Street East, Hamilton, Ontario, on and after March 15th, 1904. The work embraces construction of dams, canals, bridge abutments, weirs and highways, involving approximately:

424,000 cubic yards of Excavation
3,400 cubic yards of Concrete
33,000 cubic yards of Earthen Embankment
100,000 lineal feet of Piling.

A marked cheque for \$5,000 must accompany each tender, and will be returned to unsuccessful tenderers.

The Company reserves the right to reject any or all tenders.

WM. C. HAWKINS,
General Manager.



DEPARTMENT OF RAILWAYS AND CANALS, CANADA.

Welland Canal.

Notice to Contractors

Sealed tenders addressed to the undersigned and endorsed "Tender for Electrical Apparatus," will be received at this office up to 16 o'clock on MONDAY, THE 25TH MARCH, 1904, for the furnishing and erection of Arc Lamps, Regulators, Switchboards, and other apparatus, appliances and materials required for the Welland Canal.

Plans and specifications can be seen on and after Monday, the 14th March, at the office of the Superintending Engineer of the Welland Canal, St. Catharines, Ont., at the office of Rodrick J. Parke, Esq., Consulting Electrical Engineer, 5-53 James Building, Toronto, and at the office of the Chief Engineer of the Department of Railways and Canals, Ottawa. Forms of tenders can be obtained at the places named.

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

By order,
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, 12th March, 1904.

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

WANTED

A competent Superintendent and Draftsman for a wood-working factory in Newfoundland. A practical mechanic with some knowledge of drawing and architecture preferred. Apply stating experience, age and salary required, to THE HARWOOD LUMBER CO., LTD., P.O. Box 804, St. John's, N.F.

TENDERS WANTED

Tenders will be received until MARCH 25TH for the erection of a brick

Presbyterian Church at North Bay.

Plans may be seen at the office of Mr. Wm. McKenzie of the same place, also at the office of J. Francis Brown, Architect, Board of Trade Building, Toronto.

TENDERS FOR PORTLAND CEMENT.

Sealed tenders addressed to "S. R. Armstrong, Town Clerk, Peterborough, Ont.," and endorsed "Tenders for Portland Cement," will be received up to APRIL 5TH, 1904, for supplying 3,000 barrels of Portland Cement. Tenderers will state whether cement is packed in sacks or barrels, net weight per sack or barr l, and price f.o.b. Peterborough, and will also supply table showing tensile strength. Sample tests will be made from consignments before acceptance. Delivery to commence not later than May 2nd, 1904. A marked cheque of an amount equal to 5 per cent. of total value of contract must accompany each tender.

S. R. ARMSTRONG,
Town Clerk.

TENDERS FOR

\$65,000 Debentures

Sealed tenders will be received up to noon on MONDAY, 4TH APRIL, 1904, at the Town Treasurer's Office, Whitby, for the purchase of \$65,000 debentures, with 6 months' accrued interest, being \$50,000 water works and \$15,000 electric light debentures of the town of Whitby, bearing interest at 4 per cent. per annum, repayable in 30 annual payments of \$3,758 95 each, principal and interest.

Said debentures are dated 2nd November, 1903, and to be delivered on 2nd May, 1904.

All said debentures are made payable at the Town Treasurer's Office, Whitby.

The highest or any tender not necessarily accepted.

JOSEPH WHITE,
Treasurer.

Whitby, 11th March, 1904.

TENDERS FOR DEBENTURES

Sealed tenders will be received by the undersigned up to noon on MONDAY, APRIL 4TH, 1904, for the purchase of the following debentures of the Town of Stayner:

\$10,000 in four per cent. debentures of the said town, payable in twenty equal annual installments, for the purpose of building sidewalks and streets. Said debentures payable at the Bank of Toronto, Stayner.

The highest or any tender not necessarily accepted.

No tender will be considered unless accompanied by a marked cheque payable to the Town Treasurer for 5 per cent. of the amount offered, which will be returned in the event of the tender not being accepted.

For further particulars apply to

CHAS. E. JAKEWAY,
Town Clerk,
Stayner, Ont.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE.]

TENDERS

Will be received by the undersigned up to 12 o'clock noon on the 30th DAY OF APRIL, 1904 for the following approximate amounts of sewer pipe, etc., the town reserving the right to increase or decrease any of the sizes and quantities named. All pipe to be first-class salt glazed vitrified, smooth and straight, heavy collar, (collar and spigot corrugated); 3 ft. lengths preferred. The price to be a price per ft. in each case, delivered P. O. B. at Owen Sound; car to be shunted to a convenient place for unloading satisfactory to the town, and further, all pipe before being accepted will have to be approved by the Engineer in charge or such other competent person as the Town may appoint. The lowest or any tender not necessarily accepted.

LIST OF PIPE AND JUNCTIONS

104' of 24" pipe.
160' of 24" x 36" junctions.
1575' of 18" pipe.
220' of 18" x 36" junctions.
1495' of 15" pipe.
240' of 15" x 36" junctions.
1300' of 9" pipe.
178' of 9" x 36" junctions.
Price per dozen for Stoppers, wood.
clay

CHAS. GORDON, Town Clerk,
Owen Sound.

CONTRACTS OPEN.

HARTNEY, MAN.—Ed. Nixon will build a brick residence this spring.

NORTH BUXTON, ONT.—James Ross intends building a new residence.

GUELPH, ONT.—It is the intention of Harry Murton to rebuild his mill at once.

WALLACE, ONT.—Wm. Turnbull, Govanstown, intends building a brick residence this summer.

CONESTOGO, ONT.—It has been decided to build a new school house west of the Mennonite church.

PAKENHAM, ONT.—The Dowd Milling Co. will likely build a new stone dam the coming summer.

NAPINKA, MAN.—The C.P.R. will likely construct the Broomhill branch during the coming summer.

MLVERTON, ONT.—The congregation of Burns church intend building a fine manse this summer.

DEPOT HARBOR, ONT.—The Presbyterian congregation have definitely decided to build a new church.

FORT FRANCIS, ONT.—The Preston-Bell Furniture Co. intend building a large furniture factory here.

ST. MARY'S, ONT.—The St. Mary's Felt Footwear Co. will build a factory here if granted a loan of \$15,000.

LINDSAY, ONT.—The Town Clerk has been instructed to call for tenders for local improvement debentures.

STAYNER, ONT.—Charles E. Jake-way, town clerk, desires bids by April 4th for \$10,000 4 per cent. debentures.

GUELPH, ONT.—McPhee & Mahoney, architects, have prepared plans for a four-storey addition to their works.

CAYUGA, ONT.—E. C. Campbell, Village Clerk, will receive bids up to 18th inst. for purchase of \$9,580 4½ per cent. debentures.

WATERLOO, ONT.—John Bierbach has just taken tenders on a Separate School building. Plans by Chas. Moogk.

MILLBROOK, ONT.—Tenders for \$2,266.08 local improvement debentures will be received by W. S. Given, Reeve, up to 28th inst.

LITTLE CURRENT, ONT.—A new rink will be erected here this summer by a joint stock company, to cost not less than \$3,000.

CAMBAY, ONT.—James Riches is taking tenders up to 16th inst. for erection of brick veneered school house in S. S. No. 1, Feneleer

BRANTFORD, ONT.—Plans by Stewart, Stewart & Taylor, architects, have been accepted for a new school on Oak street to cost \$6,400.

LENNOXVILLE, ONT.—The directors of Bishop's College contemplate building a residence for boys.

ST. BONIFACE, MAN.—Tenders have just been taken by Rev. Father Dugas on extension to present college.

NEW LONDON, P.E.I.—The Dominion government are asking for tenders up to April 5th for construction of breakwater here.

ORMSTOWN, QUE.—N. H. Green, C.E., of Montreal, has reported that sewerage and waterworks for this town would cost \$30,000.

ESSEX, ONT.—Dr. J. W. Brien will erect a \$6,000 residence, and D. J. Whitney will erect a new building and an addition to his store.

WINDSOR, ONT.—Williams Bros., architects, are preparing plans for the Roman Catholic church to be built here; estimated cost, \$30,000.

ST. THOMAS, ONT.—Bell & McCubbin want tenders by 19th inst. for building concrete abutments and floor for bridge in Township of Yarmouth.

BURK'S FALLS, ONT.—Bids received by E. Bazette, Village Clerk, up to 30th inst. for purchase of \$20,000 5 per cent. waterworks debentures.

PERTH, ONT.—An effort is being made to raise funds to establish a large convent in connection with St. John's church, also a large ladies' boarding school.

WHITBY, ONT.—Bids wanted by Joseph White, Town Treasurer, up to April 4th for \$50,000 waterworks debentures and \$15,000 electric light debentures.

SUTTON, ONT.—The application to quash the by-law providing for the construction of a town hall has been dismissed by the courts and the work will now be proceeded with.

SELKIRK, MAN.—R. C. Moody will receive tenders up to 25th inst. for erection of a brick and stone church at West Selkirk, from plans by S. Hooper, architect, of Winnipeg.

REXTON, N.B.—C. Atkinson has made application to the Legislature for the incorporation of the Kent Electric Railway Co., to construct an electric railway from this place to Chatham.

DALHOUSIE, N. B.—Thomas A. MacLean, jr., C.E., of Charlottetown, P. E. I., has been engaged to report on a waterworks system for this town. It is proposed to bring water about five miles.

VICTORIA, B.C.—Dr. S. G. Clemence contemplates erecting a fine dwelling on Linden avenue.—A gentleman from Manitoba has purchased two lots on Elliott street on which he will build a fine residence.

DAUPHIN, MAN.—Sutherland & Steck are having plans prepared for an addition to their brick block.—E. L. Drewery, of Winnipeg, will build a cold storage warehouse, and W. C. Edgar a brick store.

ROCKWOOD, ONT.—G. W. Lawrence will erect a brick structure, to contain offices for the Traders Bank, cost \$4,000.—J. A. Hamilton, Charles Cook and J. N. Stinson will build residences.

PORT ARTHUR, ONT.—Joseph Kilgour, of Toronto, G. T. Marks, of this place, and others have organized the Current River Power Co., to develop a water power on Current river in the Township of Shuniah.

PICTOU, N. S.—New buildings will be erected this year by Captain William Fraser, John W. McKay, A. McArthur and Reuten Atkins.—It is proposed to borrow \$3,000 for the purpose of extending the waterworks system.

MONCTON, N.B.—A deputation interviewed the Minister of Railways last

week regarding the proposed extension of the Salisbury & Harvey Railway to this place. The scheme involves the building of a bridge across the river.

BERLIN, ONT.—The Western Electric & Manufacturing Company is being organized here, capital \$50,000, to manufacture electric, gas and water meters, electrical machinery, etc. Those interested include J. H. Messner and W. H. Cone.

CALGARY, N.W.T.—A by-law which passed its first reading provides for the issuing of debentures for \$75,000 for erection of a new city hall.—Geo. M. Lang, architect, has completed plans for the sanitarium to be built here by Dr. Ernest Wills.

ST. CATHARINES, ONT.—Tenders for electrical apparatus for the Welland Canal, including arc lamps, regulators, switchboards and other apparatus, are invited by the Dominion Government up to March 28th. Plans at office of the Superintending Engineer here.

ALMONTE, ONT.—St. Andrew's church congregation will hold a meeting this week to consider the question of building a Sunday School hall.—The question of engaging an engineer to advise the Council regarding the development of the town's water power is under consideration.

FREDERICTON, N. B.—Tenders will be received by Chief Commissioner LaBilious up to April 11th for rebuilding Hall's Creek bridge in parish of Moncton, Harshman's bridge in parish of Shediac and Norton Station bridge in Kings County.

ST. CLEMENTS, ONT.—Mr. Holle, architect, of Conestogo, has prepared plans for a new Separate School to be erected here this summer, for which tenders close March 24th. Same architect has prepared plans for other buildings in town.

DELHI, ONT.—Wm. Crosier, Reeve, will receive tenders up to 28th inst. for building a wooden bridge south of Quance's mills.—It has been decided to engage James A. Bell, C.E., of St. Thomas, to report on the waterworks question.

QUEBEC, QUE.—The Minister of the Interior has authorized the purchase of a site here for the new Immigrant Detention Hospital.—The sum of \$4,000 has been subscribed towards a new Sunday School building for St. Andrew's church, of which Rev. A. T. Love is pastor.

OUTREMONT, QUE.—Joseph Beaubien, on behalf of the Roman Catholic parish, has purchased the Church of the Ascension property as a site for a new R. C. edifice to be built in the near future. The Church of the Ascension have completed arrangements for a new church to be built on Park avenue.

HAMILTON, ONT.—The directors of the Y. M. C. A. are considering the renovation of the building.—The Minister of Public Works, when in the city last week, stated that the question of the improvement of the harbor would receive immediate consideration.—Hannah street Methodist church purpose building a new parsonage.

ST. JOHN, N. B.—Emerson & Fisher have bought land on the west side of Germain street on which they will erect a five-storey brick building, 60x100 feet.—W. Murdoch, Waterworks Superintendent, has reported on an extension of the water service in the East End, the cost of which will be about \$75,000.

HALIFAX, N.S.—The military authorities have decided upon the erection of two new buildings at the Royal Engineers' Barracks, to be brick trimmed

WIRE ROPE

Everything in Wire Rope for Derricks, Elevators, Guys, Transmission, Mine Haulage, Cableways, etc.

Complete Stock Carried in Montreal for Immediate Shipment
Quality and Prices Right

W. H. C. Mussen & Co.

RAILWAY, MINING, AND CONTRACTORS' SUPPLIES

763-765 Craig Street

MONTREAL

with granite or freestone; estimated cost, \$32,000.—The erection of a new school building on Kaye street has been recommended by the Sites and Building Committee.

EAST TORONTO, ONT.—The report of John Galt, C.E., on a waterworks system was considered at a council meeting last week and was referred to the Water & Light Committee. The cost is estimated at \$43,000, including \$2,500 for power house extension, \$7,500 for stand pipe, \$4,000 for reservoir, \$5,500 for 12-inch main, \$4,000 for 10-inch main and \$3,000 for duplex pump.

FORT WILLIAM, ONT.—W. S. Piper has purchased property on Simpson street on which he will build this summer.—R. Smith intends building an addition to the Marine block.—A proposal has been submitted to the town authorities by a combination of four elevator companies for the erection of an immense elevator here. The proposed site is at the mouth of the river.

TORONTO JUNCTION, ONT.—An addition to St. John's church, to cost \$3,000, is proposed. Rev. F. H. DuVernet is pastor.—A site for the proposed Isolation Hospital has not yet been selected.—The question of establishing a new sewerage system will likely be taken up by the Council in the near future.—Mr. Cummings, of 447 Quebec avenue, intends building a new house on Brighton Place.

PETERBORO, ONT.—The managers of the Presbyterian church are discussing plans for a new edifice.—The School Board have asked the Town Council to submit a by-law to the ratepayers to raise \$50,000 by debentures for a new Collegiate Institute.—The Town Clerk is asking for tenders up to April 19th for supplying 3,000 barrels of Portland cement.—Subscriptions are being solicited for a new Y. M. C. A. building; estimated cost, \$23,000.

HAMILTON, ONT.—Plans are in course of preparation by Wm. & Walter Stewart, architects, for improvements to the drill hall here. A gallery will be run around the whole interior of the hall.—Tenders will be received up to March 31st by Wm. C. Hawkins, general manager, for the construction of an enlargement of the hydraulic system of the Hamilton Cataract Power, Light and Traction Company, Limited. Plans at the company's office, 118 East King street.

LONDON, ONT.—A. O. Graydon, City Engineer, wants tenders by 17th inst. for supply of Portland cement, gravel,

Portland Cements

Highest Grade

Canadian, German, English and Belgian

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

F. HYDE & CO.,

31 Wellington Street

MONTREAL



ALPHA Portland Cement

Quality Unexcelled. The Recognized Standard American Brand. Always Uniform. Best in the World for Sidewalks.

ALPHA PORTLAND CEMENT CO.

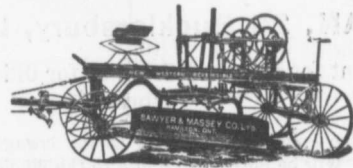
Manufacturers of but one grade—Strictly Straight Portland.

General Office: ALPHA, N. J.

Sole Canadian Sales Agents—

HENDERSON & TAYLOR

203, Commissioners Street, MONTREAL



The Steel 'Western Reversible'

in addition to being THE BEST GRADER MADE is also an EXCELLENT SNOW FLOW

Write for particulars of this and other lines of

HIGH-GRADE ROAD-MAKING MACHINERY

Sawyer & Massey Co., Limited
Hamilton, Canada

Please mention the CANADIAN CONTRACT RECORD when corresponding with advertisers.

TRENCH AND EXCAVATING WORK

Can be done quicker and more economically if you have one of our

Portable Cableways

Send for Circular R.

The DOMINION WIRE ROPE CO., Limited
MONTREAL

concrete, glazed tile, iron casings and corner irons.—The Western Fair Board are considering the erection of a new dairy building, to cost upwards of \$15,000.—Matthews & Murray, architects, are preparing plans for a residence to be erected on Helmuth ave. for Mrs. C. Murray, also for alterations and additions to houses on Queen's ave. for John D. Wilton, M.D., and E. J. MacRoberts.—H. C. McBride, architect, has prepared plans for a residence to be built for C. H. Tune.

VANCOUVER, B.C.—Plans are now in course of preparation for a new custom house in this city.—The Mount Pleasant Presbyterian congregation have secured an option on property on Ninth Avenue and will probably build a large church at an early date.—H. A. Jones, representing the principals, states that a saw-mill to cost \$150,000 will be built this year on Burrard Inlet.—Rees & Howard contemplate an extension of their iron works by the erection of a large boiler plant and dock.—Plans have been prepared for the conversion of the Van Horne block into a modern hotel.—Wm. Blackmore & Sons have prepared plans for a three-storey stone and brick building on Hastings street for Jonathan Rogers.—J. S. Wood, of the Strand, is about to build a three-storey business block on corner of Hastings street east and West-

minster avenue.—The Terminal City Club has about decided to erect a three-storey and basement building, to cost about \$40,000.

OTTAWA, ONT.—F. Gelin, Secretary Department of Public Works, will receive tenders up to April 2nd for the construction of a wharf at Les Escoumains, Saguenay County. Check for \$1,500 to accompany each tender.—The congregation of St. Andrew's church have decided to give property at the corner of Carling avenue and Lyon street for a site and \$11,500 in cash as half the cost of a new \$23,000 edifice for the Glebe Presbyterian congregation.—G. M. Bayly, architect, has been commissioned to prepare plans for a new Fat Stock Show building.—Carleton county council have decided to construct a concrete bridge at Richmond Village, over the Goodwood

river; span, 100 feet.—George E. Mulligan, who recently purchased the Russell House, states that \$50,000 will be spent in renovating the building and for new furniture.—Stephen E. O'Brien, secretary Ottawa Improvement Commission, will receive tenders up to 20th inst. for supply of cement, hardware and timber required by the Commission during the year.—W. G. Charleson has purchased the old Workman & Griffin property on George street and will build a store on a portion of the lot.

WINNIPEG, MAN.—C. D. Bridgman, architect, has just taken tenders on a five-house terrace on Smith street.—The German Society intend purchasing a site and erecting a club house.—At the annual meeting of the Corporation of the Winnipeg General Hospital, held last week, it was stated that new heating and

THE CANADIAN INSPECTION COMPANY, LIMITED

Main Office and Laboratories: 146 St. James Street, MONTREAL
SPECIALTIES: Inspection of RAILS and all material for BRIDGES, BUILDINGS, and other structures, cast iron pipe, wood and steel railroad cars.
MANUFACTURE AND ERECTION.
Expert examination and reports, chemical analyses and physical tests of all kinds. Cement Testing.

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

Manufacturers of BRAND OF "HERCULES" PORTLAND CEMENT
Very finely ground. Unsurpassed for Sidewalks, Floors and all work requiring the Highest Grade of Portland Cement. For prices address,
A. D. CRESSON, Sec'y-Treas.
Head Office, Owen Sound, Ont.

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

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

THE LAKEFIELD PORTLAND CEMENT CO., LIMITED

Manufacturers and Sales Agents of
MONARCH BRAND PORTLAND CEMENT
One grade only—Straight Portland. Unexcelled for Strength, Color and Uniformity.
The Recognized Standard Canadian Brand
Used by the Dominion Government, large Corporations, and leading Contractors throughout Canada.
*Phone, wire or write for prices to
THE LAKEFIELD PORTLAND CEMENT CO. Limited, - Lakefield, Ont.
Long distance 'phone No. 29.



An Unreasonable Request

To Ask a Man to Sign his Name to a Personal Book. Insist on a Bond of

THE UNITED STATES FIDELITY & GUARANTY CO.

KIRKPATRICK & KENNARD, Mgrs. for Canada.
6 COLBORNE STREET, - TORONTO, ONT.

PORTLAND CEMENT, HYDRAULIC LIME, CHINA CLAY
E. FREEMAN, 20 Bucklersbury, LONDON, ENG.



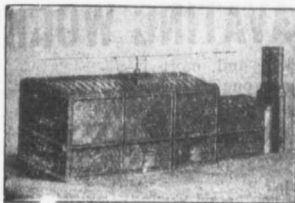
Sole Agent for U.K. and Colonies for Oldest Continental Works



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

CORRESPONDENCE INVITED FOR CONTROL OF BRANDS

PERFECTION STEEL-CLAD AND BRICK SET INCINERATORS



MANUFACTURED BY

Toronto Furnance & Crematory Co., LIMITED

14 and 16 Queen St. East, TORONTO, CANADA

Experts in sanitary disposal of dangerous wastes,

Garbage, Refuse, Night Soil, Dead Animals,

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

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

ventilate this year \$25,000 will be spent in renovating the building and for new furniture.—Stephen E. O'Brien, secretary Ottawa Improvement Commission, will receive tenders up to 20th inst. for supply of cement, hardware and timber required by the Commission during the year.—W. G. Charleson has purchased the old Workman & Griffin property on George street and will build a store on a portion of the lot.
WINNIPEG, MAN.—C. D. Bridgman, architect, has just taken tenders on a five-house terrace on Smith street.—The German Society intend purchasing a site and erecting a club house.—At the annual meeting of the Corporation of the Winnipeg General Hospital, held last week, it was stated that new heating and
MO
Towns
perty
Squar
having
media
perty,
perma
The
proba
David
to noc
wagg
Mark
Loco
the A
expen
dition
proba
ment
—Th
struct
tende
what
shed
gran
store
stree

E. Multi-
Russell
be spent
for new
secretary
ion, will
or supply
required
year.—
the old
George
portion

l. Bridg-
nders on
street,—
rchising
—At the
on of the
held last
iting and

D
AL

and

LIMITED

ty.

it Canada,

ld. Ont.

WEST

LITY

ada.
ONT.

LAY

to., in

RS

LIMITED

IDA

als.

re con-
largest
invited.

ventilating systems would be installed this year, at an approximate cost of \$25,000.—The Arbutnot Lumber Co. will likely erect a large warehouse at corner of Logan avenue and Princess street.—J. H. Cadham, architect, is this week taking tenders on a six-storey brick and stone store on Main street for the Scott Furniture Co.—J. H. G. Russell, architect, wants tenders by 18th inst. for erection of a brick apartment block for George Persichini.—A five-storey brick and stone building will be built on Ross avenue for the Boyce Carriage Co., for which A. & W. Melville, architects, are taking tenders up to 18th inst.—The following works are about to be undertaken by the city: Asphalt pavement on Nassau street, from McMillan to Mulvey avenue, cost \$12,630; sewer on Manitoba avenue, from Salter street to McGregor street and on Power street from Selkirk avenue to Manitoba avenue, cost \$5,750, also on Athol avenue, from Main street to the Red River, cost \$42,500.

MONTREAL, QUE.—The Eastern Townships Bank having purchased property at cor. of St. James st. and Victoria Square, and the Royal Bank of Canada having acquired a 60-foot frontage immediately west of St. Lawrence Hall property, will likely begin the construction of permanent offices about a year hence. The Canadian Bank of Commerce will probably build the following year.—L. O. David, City Clerk, is taking tenders up to noon of 15th inst. for installation of a wagon stock scale at the Western Cattle Market.—The works of the Montreal Locomotive Co. have been purchased by the American Locomotive Co., who will expend \$500,000 on extensions and additional plant.—The Board of Trade will probably petition the Dominion Government to enlarge the post office building.—The Harbor Commissioners have instructed the chief engineer to call for tenders up to April 22nd for erection of wharf sheds. There will be fourteen sheds in all.—Building permits have been granted as follows: Nap. Belanger, 2-storey house and dwelling, Brebeuf street, cost \$1,950; Camille Legault, 3-

storey house, Prince Arthur and Park ave., cost \$1,500.

TORONTO, ONT.—J. Francis Brown, architect, Board of Trade Building, is taking tenders up to 25th inst. for erection of a brick Presbyterian church at North Bay, Ont.—C. F. Wagner, architect, 28 Toronto street, wants tenders by 19th inst for erection of a dwelling house.—Plans and specifications for electrical apparatus required for the Welland Canal may be seen at the office of R. J. Parke, consulting engineer, James Building. Tenders close March 28th.—The authorities of St. Paul's Presbyterian church will erect a new church at corner of Bathurst street and Barton avenue, work to be commenced this spring.—Reinhardt & Co., Mark street, want tenders for erection of five houses on River street.—J. Davis, 77 Adelaide street east, is taking tenders for plumbing and painting

of two houses.—The Industrial Exhibition Association have decided to ask the Board of Control to endorse an expenditure of \$35,000 for the following buildings: Addition to Art Gallery, \$13,000; Administration Building, \$20,000; lavatory and public conveniences, \$2,000.—The Board of Control will receive tenders up to March 22nd for construction of tile pipe sewers on several streets.—J. J. Farquhar, 12 King street east, wants tenders for all trades except brick and stone work for erection of two houses.—

Water Washed Sand

Is as cheap as pit sand and gives 50 per cent. stronger concrete or mortar. The City of Toronto have contracted for all the sand they use for 1904 with this company since using it in 1903. Stock always on hand. Try it

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

WARREN'S PATENT "BITULITHIC" PAVEMENT

IS THE 20TH CENTURY PAVEMENT FOR CITIES

Has been laid in Montreal, Chatham, London and Glace Bay. It is clean, sanitary, and gives an excellent foothold for horses. Write for particulars and estimates to

THE WARREN BITUMINOUS PAVING CO., LIMITED

Head Office: 164 Bay Street, TORONTO, ONT

IRON GLAD CEMENT

MANUFACTURED AT . . .
GLENS FALLS, N.Y., U.S.A.

Highest Grade Artificial Portland Cement. Most Finely Ground and Strongest. HAS TEN YEARS RECORD.

Sold by Canadian Dealers, Montreal, Ottawa

W. A. COOK, Representative for Canada, Street Railway Chambers, MONTREAL

PORTLAND CEMENT

SEWER PIPES

FIRE BRICKS

FIRE CLAY

ALEX. BREMNER

50 Bleury Street, MONTREAL

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.

The Rotary Man Power Concrete Mixer

Capacity five cubic yards per hour.

Continuous in Action.

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.



Surveying and Drawing Instruments

Best English Quality

Manufactured by

A. G. Thornton
Manchester, Eng.

Surveyors' and Engineers' Supplies

Write Us For Catalogue and Prices

The
C. H. MORTIMER PUBLISHING CO.
of Toronto, Limited

AGENTS FOR CANADA
Confederation Life Bldg., TORONTO
Imperial Building, MONTREAL

T. McMann, of the T. Eaton Co., has purchased the Donald Mackay homestead at 501 Yonge street, which comprises 3½ acres of land stretching through to Church street. The purchaser intends building stores and residences facing on a new street to be opened through from Yonge to Church streets.—The Public School Board have decided to add five rooms to the Huron Street school and to install a new heating system.—The Consumers' Gas Co. propose to spend about \$50,000 upon a new distributing pipe on Bathurst street.—The Works Committee have referred the question of a trunk sewer system to the City Engineer and the Medical Health Officer, who will agree upon a plan, submit it to the Provincial Board of Health, and report at a subsequent meeting of the Committee.—J. J. Walsh has purchased 210 feet of land on north east corner of King street and Beatty avenue and purposes erecting detached houses of a good class.

CONTRACTS AWARDED.

VICTORIA, B.C.—Valves for city: Caldwell Bros., successful tenderers.

MAPLEWOOD, ONT.—Residence for Charles Lupton: George McKay, of Harrington, contractor.

LINDSAY, ONT.—Erection of House of Refuge: G. M. Miller & Co., Toronto, architects; W. McLean, Woodville, contractor, \$29,173.

WALLACE, ONT.—Methodist church: Parry & Hill, of Listowel, successful tenderers; building will be of white brick, furnace heating, cost \$3,000.

AMHERST, N.S.—Rhodes, Curry & Co., of Amherst, have secured contract for building ten houses at Marble Mountain for the Dominion Iron & Steel Company.

BERLIN, ONT.—\$30,000 school debentures have been sold at 97 and \$70,000 lighting plant debentures at 97.3, the latter to the Canadian Bank of Commerce.

SMITH'S FALLS, ONT.—The Water Commissioners have placed an order with the John McDougall Caledonian Iron Works Co., Montreal, for three new pumps for the pumping station.

SALEM, ONT.—The following tenders were received for erection of bridge over Grand river: Hamilton Bridge Co., \$4,500; Royal Grafton, Mount Charles, (Continued on page 10.)

DEBENTURES

Municipalities contemplating the issue of Debentures will find it to their advantage to communicate with

G. A. STIMSON & CO.

Investment Dealers
24 and 26 King St. W. TORONTO

THE 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.

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

WRITE FOR ESTIMATES.

Dominion Bridge Co., Ltd.

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

STEEL BRIDGES

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

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

THE

Canadian Casualty and Boiler Insurance Co.

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

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

A STEAM BOILER POLICY

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

ALEXANDER SUTHERLAND, D.D., President.

H. N. BATE, W. S. DINWICK, Vice-Presidents

A. G. C. DINWICK, Managing Director

A. M. WICKENS, Chief Engineer

R. F. WENTZ ENGINEERING CO.

Consulting Engineers and Cement Work Specialists

Designing Cement Plants. Specifications and Estimates.

Superintendence of Construction.

Inspection and Reports of Cement Material and Properties.

Analysis and Tests of Raw Material and Cement.

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

CEMENT PROPERTIES FOR SALE.

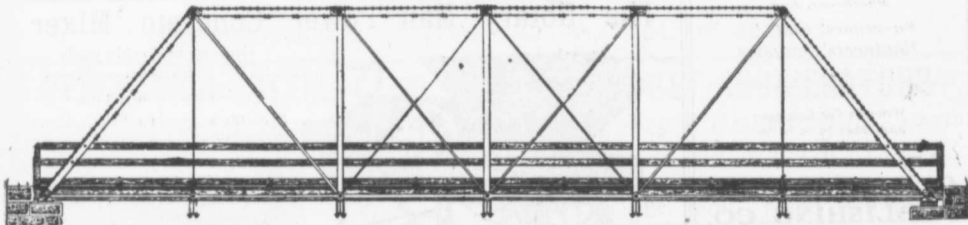
For further information address—

ROBERT F. WENTZ, M.W.S.E. PRES'T

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

The Hamilton Bridge Works Company, Limited

HAMILTON, CANADA



HIGHWAY BRIDGES A SPECIALTY

GENERAL STEEL CONTRACTORS

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

The Hano

Mar
"SNUGEE

Pa

Granite Set
to any sh
Buildi
Quarrie

Ad

JOS. BF

TUNNEL

Steel
Works: P

HI

Roofs, S
Iron

ARTIFIC

SID

CORPORAT

The Silk

WALTER I

General M

Road A

Fir

Go

St

St

Ro

Steam &

Etc

T. A

9 Mecha

M. B

Dredges

of vario

Submar

Hoisting I

Horse-Po

Centrifugs

Gold Mi

Plant.

Stackpole

Patent In

Because m

It Sweeps

clison. It V

less gearing

reasonable

Established 1898.
The Hanover Portland Cement Co., Ltd
 Hanover, Ontario.
 Manufacturers of the Celebrated
 "SAUGEEN" Brand of **PORTLAND CEMENT**
 Prices on application.

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

TUNNEL CITY BRIDGE & IRON WORKS

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

HIGHWAY BRIDGES

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

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

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

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

Road Machinery
 Fire Appliances
 Contractor's Plant
 Stone Crushers, all sizes
 Steam Road Rollers
 Road Graders
 Steam and Gasoline Fire Engines,
 Etc.

T. A. MORRISON & CO.

9 Mechanics' Bldg. MONTREAL

M. BEATTY & SONS
WELLAND, ONT.

Dredges, Ditchers, Derricks and Steam Shovels

of various styles and sizes to suit any work.

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

PORTLAND CEMENT

SAMSON BRAND MAGNET BRAND

MANUFACTURED BY

THE OWEN SOUND PORTLAND CEMENT COMPANY, Limited, Owen Sound, Ont.
 Works at **SHALLOW LAKE, ONT.** Write us for prices.

THE CANADIAN PORTLAND CEMENT COMPANY, LIMITED

Manufacture "RATHBUN'S STAR" Brand

The Leading Canadian Portland Cement.

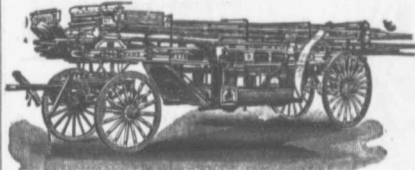
Capacity of Works: 500,000 Barrels Per Year.

SALES AGENTS

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

LIGHTNESS, STRENGTH AND ECONOMY

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

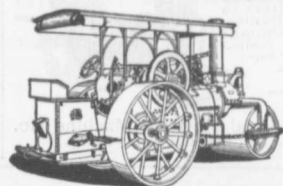


Prompt attention given all inquiries. All goods built to order.

Long Distance Phones 686 and 684 **W. E. SEAGRAVE, WALKERVILLE ONT.**

"WATEROUS"

ROAD MACHINERY AND FIRE APPARATUS



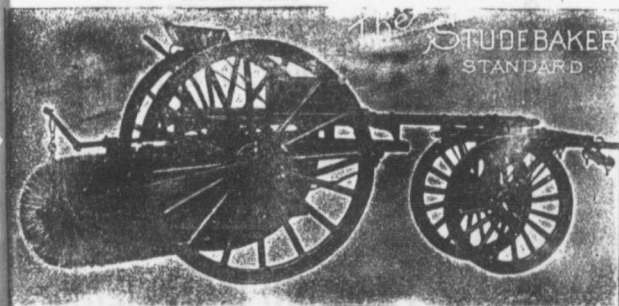
FIRE ENGINES in five sizes, with a full line of fire-fighting goods

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

BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

IN THREE SIZES—10, 12 and 15 ton. CORRESPONDENCE SOLICITED.

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



Studebaker Sprinkler
(PATENT IMPROVED.)

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

We also make an . . . **IMPROVED VERTICAL SPRAY** for Pavements.

Geo. Heaman, Mnfr., London, Ont.

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

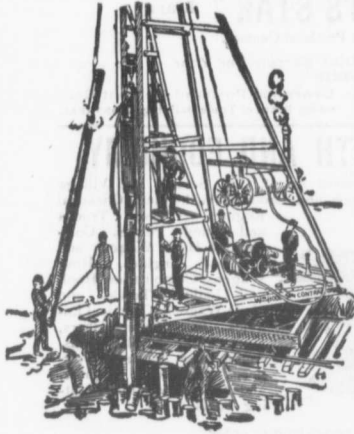
The Canadian Bridge Co., Limited

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

THE DELANO-OSBORN ENGINEERING CO., LIMITED

MANNING CHAMBERS TORONTO

CONSULTING, CIVIL, MECHANICAL AND
ELECTRICAL ENGINEERS.

When Re-Babbitting your
Machinery order

MANGANESE ANTI-FRICTION METAL

Every pound guaranteed

Syracuse Smelting Works, Montreal.

Notice to Contractors.

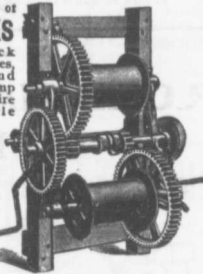
The Niagara Falls Machine &
Foundry Co., Limited,
Niagara Falls, Ont.,

are making a speciality of improved
HOISTING AND BUILDING ENGINES.
Write for Prices.

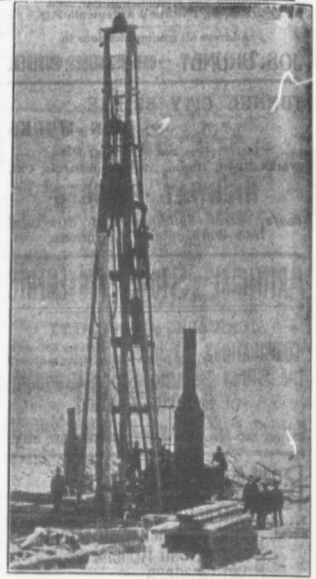
Manufacturer of

LERRICKS

and Derrick
Irons, Sheaves,
Hooks and
Chains, Stump
Pullers, Wire
and Cable
Stretchers,
Tackle Blocks,
Material Ele-
vators, and
Dealers in
HOISTING
ENGINES
and Con-
tractors' Sup-
plies.



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



PILE DRIVING

and Foundation Work.

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

BUILDING MOVER AND WRECKER

General Contracting.

JNO. E. RUSSELL, - Toronto
908 Queen St. E. - Phone M. 2007.

Pumps for Waterworks

Waterworks Systems
Installed

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

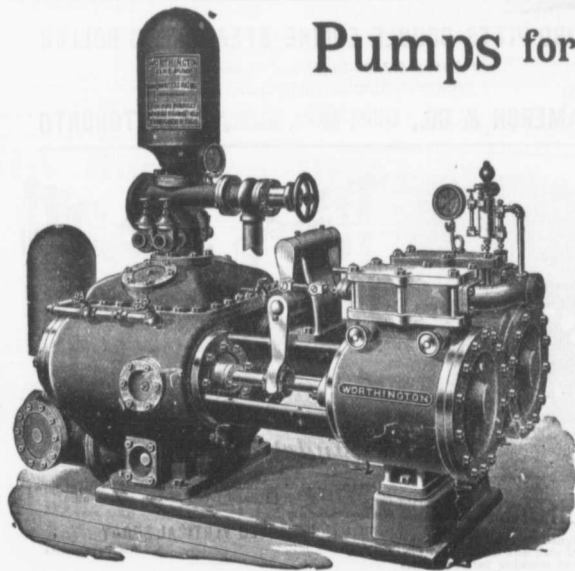
Steam Boilers and
Filters

Write for Prices and Particulars

The John McDougall

CALEDONIAN IRON WORKS CO., LIMITED

MONTREAL, P. O.



WIL

M. Ca

WATERW

WO

Reports,

103

R. E.

CONS

Water

Muni

Granol

Electri

Drains

C-al H

Plans,

Constr

Canada

Rod

Am. Ca

CON

Hydraulic

Power T

Ligh

51-51 JANE

King and

Telephor

Tele

W. 1

WILLI

M. J

CONSUL

Four

JAM

Civil

Examini

Supervi

Power

P. O. Bo

877 Do

RC

Const

S

Wat

Plan

Estib

80 ST. F

RAIL

LOG

(Opposit

FIRI

LA

We

cIron

and V

them.

price

for ci

THR W

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

WILLIS CHIPMAN

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

R. E. SPEAKMAN, C.E.

A. M. Inst. C. E., 1878.
CONSULTING ENGINEER

Waterworks, Sewerage and Sewage Disposal.
Municipal Improvements.
Granolithic Pavements.
Electric Light Plants.
Drainage and Irrigation of Land.
Coal Handling Plant and Machinery.
Plans, Specifications and Estimates.
Construction and Valuations.

Canada Life Building - TORONTO

Roderick J. Parke

Am. Can. Soc. C.E., A.M. Amer. Inst. E.E.
CONSULTING ENGINEER

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

51-53 James Building, C.F. TORONTO, CANADA
King and Yonge Streets
Telephones: Office—Long Distance Main 3047
Residence—Long Distance North 2204
Telegraphic address: "Rodparke."
W. U. Code, Univ. Edition.

WILLIAM H. BREITHOFT, C.E.

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

Foundations, Bridges, Buildings.
BERLIN, ONT.

JAMES C. KENNEDY,

MEM. CAN. SOC. C. E.
Civil and Hydraulic Engineer

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

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

ROSS & HOLTGATE

Consulting and
Supervising Engineers

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

80 ST. FRANCOIS XAVIER ST. - MONTREAL

RAILS

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

John J. Gartshore

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

FIREMEN'S LADDERS

—AND—
LADDER TRUCKS

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

THE WAGGONER LADDER CO., Limited
LONDON - ONT.

John H. Jackson

CIVIL ENGINEER

WATER POWER, ELECTRIC RAIL-
WAYS, STRUCTURAL STEEL.

Niagara Falls, Canada

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

CHARLES BRANDEIS

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

CONSULTING ENGINEER

Estimates, Plans and Supervision of Hydraulic
and Steam-Electric Light, Power and Railroad
Plants. Specifications, Reports, Switchboard
Designs, complete Factory Installations, Etc.
Long Distance Telephone Main 33 &
Cable Address: Brandeis-Montreal.

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

"IMPERIAL BRAND" PORTLAND CEMENT

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

The Imperial Cement Company, Limited
OWEN SOUND, ONT.

THE CANADIAN SEWER PIPE CO.

MANUFACTURERS OF



FOR

Sewers, Culverts and Water Pipes

Inverts for Brick Sewers

WRITE FOR DISCOUNTS

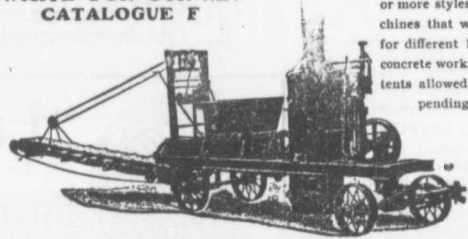
ST. JOHNS, P.Q. HAMILTON, ONT. TORONTO, ONT.

The Greatest Concrete Mixer Yet Made

WRITE FOR OUR NEW
CATALOGUE F

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

NUMBER OF PATENTS
35,664
672,934
675,035
675,036
675,037
698,182
698,910
699,667
699,668
701,312



Also
Mortar and
Asphalt Mixers

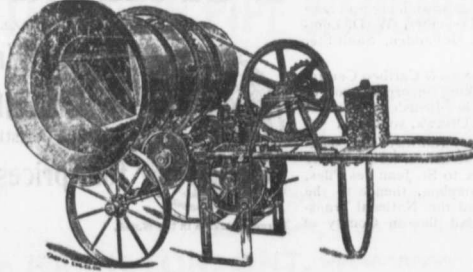
DRAKE STANDARD MACHINE WORKS

Factory, 79-11-13 Garden Street, Chicago.
Office and Showroom, 228-300-302 W. Jackson Boul.
Chicago, Ill., U. S. A.
Eastern Agent, Walter S. King, 27 St. John's Place, Brooklyn, N. Y.

Please mention THE CONTRACT RECORD when corresponding with advertisers.

THE McKELVEY CONCRETE MIXERS

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



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

\$1,000; Richard Boyle, Alma, \$750 (accepted).

ALMONTE, ONT. — Supply of cement for town: Contract divided between Torrance & Kaufman for Rathbun Star cement, at \$2.30 for 350-lb. sacks, and P. M. Young, for Lakefield Monarch cement, at \$2.25 for 350-lb. sacks.

CHATHAM, ONT.—Tenders for city supplies have been accepted as follows: Sand and cement, J. & J. Oldershaw; sewer pipe, J. H. Oldershaw; brick, James Cornhill; lumber, S. Hadley Co.; hardware, A. H. Patterson; castings and curb circles, McKeough & Trotter.

ST. JOHN, N.B.—James Fleming has been awarded the contract to build a new ferry steamer for the City Council, from plans by Naval Architect McLean, of New York; price \$80,000.—Alterations to McLachlin Carriage Co.'s building: Carpenter work, J. M. Belyea; painting and glass work, J. K. Pullen; iron columns, James Fleming & Son; other trades, B. Mooney & Sons.

ST. BONIFACE, MAN. — Tenders for waterworks supplies have been awarded as follows: Cast iron pipings and special castings, Messrs. Gairshore-Thompson Pipe and Foundry Company, Hamilton, Ont.; hydrants and valves, the Fairbanks Company, Winnipeg and Montreal; pumping engine, Drummond, McCaul & Co., Montreal; two boilers, Robb Engineering Company, Amherst, N. S.

TORONTO, ONT. — The Board of Control have accepted the following tenders: Pavements — Harrison street, tar macadam, \$1,399, Construction and Paving Co.; Meredith Crescent, asphalt, \$1,675, Construction and Paving Co.; Wesley street, asphalt, \$4,644, The Barber Asphalt Co.; St. Nicholas street, brick, \$1,450, Queen City Concrete Paving Co.; Cummings street, macadam, \$1,162, Construction and Paving Co. Concrete Sidewalks—Wilton avenue, 88 cents per foot; Rose avenue, 73c.; Lombard street, 85c.; Queen street, 72½c.; Victoria street, \$1.27; Salisbury avenue, 93c.; Meredith Crescent, \$1.16; First avenue, 67½c.; St. Albans street and W. throw avenue, all to Queen City Concrete Paving Co.; Lowther avenue, 74c., and Richmond street, \$1.28, City Engineer; Dovercourt road, \$1.15, Toronto Construction and Paving Co.

NEW COMPANIES.

Aberdeen Development Co., Limited—incorporated, to carry on mining, milling and reduction of ore. John McKav, of Sault Ste. Marie, with several Americans, is a provisional director.

John's Island Tug Co., John's Island, Ont., incorporated, capital \$8,000. Directors, G. H. Moulthrop, W. C. Moulthrop, John McEwan.

American Motor Car Co., Berlin, Ont., incorporated, capital \$50,000. Directors, Milton Good and Nelson Good, machinists, Berlin.

Hamilton Motor Works, Limited, Hamilton, Ont., incorporated, capital \$40,000. Directors, W. C. G. Smart, J. A. Turner, Wm. A. Logie.

Sarnia Bay Lumber, Timber & Salt Co., Sarnia, Ont., incorporated, capital \$300,000, to carry on sawmilling and lumbering business. Directors, W. D. Lumis, Toronto, J. J. McFadden, Sault Ste. Marie, and others.

Boundary, Kamloops & Cariboo Central Railway Co., seeking incorporation, to build a railway in British Columbia. Pringle & Guthrie, Ottawa, solicitors.

St. Maurice Valley Railway Co., seeking incorporation, to construct a railway from Trois-Rivieres to St. Jean des Piles, in County of Champlain, des the Mattawin River and the National Transcontinental Railroad line in County of

Maskinonge. Tourigny & Bureau, of Trois-Rivieres, solicitors.

Gold & Copper Mining Co., Limited, incorporated by British Columbia Government, capital \$200,000.

Western Electric & Manufacturing Co., Berlin, Ont., being organized, capital \$50,000, to manufacture electric, gas and water meters, automatic machinery, electrical appliances, etc. J. H. Messner, Carl Messner, W. H. Cone and others.

Henry New has sold out his interests in the Hamilton & Toronto Sewer Pipe Co.

to his brother, J. H. New, who will conduct the business.

Alex. Milne, one of the best known contractors in Ontario, died in Hamilton on March 2nd. He built many of the large factories and other buildings in that city.

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

JOSSON CEMENT .. Manufactured at NIEL ON RUPELL

Is the Highest Grade Artificial Portland Cement and the Best for High Class Work. Has been used largely for Government and Municipal Works.
TO BE HAD FROM ALL CANADIAN DEALERS

C. I. de Sola, Manager in Canada .. 180 St. James Street, MONTREAL

Portland Cement...

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC AND ARTIFICIAL STONE SIDEWALKS.

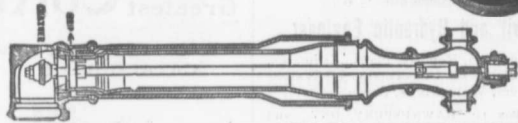
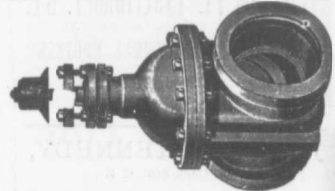
Sewer Pipes, Best English Cements. Best Belgian Cements
Culvert Pipes, &c. W. McNALLY & CO., Montreal

The KERR ENGINE COMPANY, Limited

PUMPING MACHINERY
HYDRANTS AND VALVES
Are our Specialty

Don't fail to write us for Catalogue and prices.

WALKERVILLE, - ONTARIO



"Lehigh"
Portland Cement

Capacity 11,000 Barrels every Day in the Year.

For Sidewalks and all other work requiring the highest quality Portland Cement Used by the U.S. Government and the largest contractors and users of Portland Cements in the United States.

Absolutely the most popular Cement in Canada on account of its merits.

For Prices, etc., address—

THORN CEMENT CO. - Buffalo, N. Y.

Portland Cement..

ALL GRADES.

Write or Telegraph to

BELLHOUSE, DILLON & CO.

201-208 Coristine Building, St. Nicholas Street Montreal

for prices---Large stock constantly on hand.



Largest Makers in the World.

March



CA

Distr

THOS. J.

Special Ca
Flange
Brace
Hydra
Valv

HEAD

ALEX

TI

M&I

Spec

Wat

March 16, 1904

March 16, 1904

The Successor to the Pick and Shovel



Beaver Post Hole Digger

The pick and shovel combined in one, and results equally good with loose soil, clay or gravel.

Will pay for itself in one day and last a life-time.

CANADA FOUNDRY COMPANY, LIMITED

Head Office and Works: TORONTO, ONT.

District Offices: MONTREAL HALIFAX OTTAWA WINNIPEG VANCOUVER VICTORIA ROSSLAND

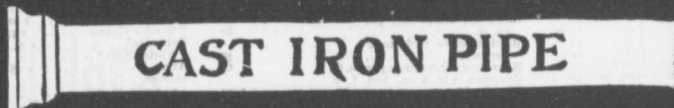
THOS. J. DRUMMOND, President.

JAMES J. McCALL, Secretary-Treasurer.

C. ED. GUDWILL, Vice-President

Montreal Pipe Foundry Co., Limited

Special Castings
Flange Pipe
Branches
Hydrants
Valves



CAST IRON PIPE

Valve Boxes and general Water Works Supplies

Works at: MACHINE, QUE.
THREE RIVERS, QUE.
BONDONDERRY, N. S.

Combined daily capacity:
175 Tons Pipes and Castings.

HEAD OFFICE CANADA LIFE BUILDING. MONTREAL

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

THE GARTSHORE-THOMSON PIPE & FOUNDRY CO. LIMITED.

Manufacturers of:

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



CAST IRON PIPE

3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

HAMILTON, ONT.

THE GOOD ROADS MACHINERY COMPANY, LIMITED

144 York St., HAMILTON, CANADA

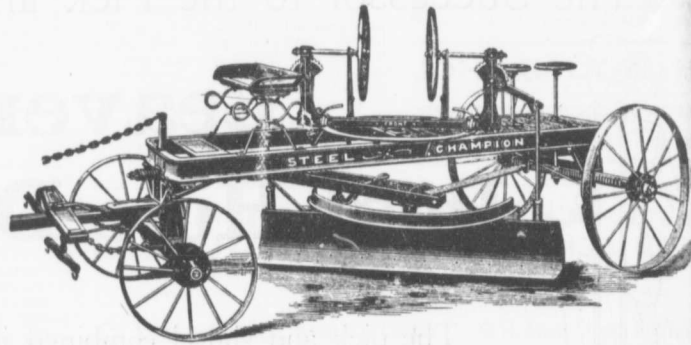
THE REVERSIBLE STEEL
"Champion"

Is the KING OF GRADERS.
SIMPLE, STRONG AND DURABLE
 —READ—

One Record of a Thousand:
 Magog, Que., Aug. 21, 1903.
 Good Roads Machinery Co.,
 Hamilton, Ont.

GENTLEMEN—Our Steel CHAMPION is giving very good satisfaction; requires very little repairs though often used with six heavy horses on our rough and stoney roads.

L. A. AUDET, Secty.-Treas.
AGENCIES—The Watrous Engine Works Co., Vancouver, B.C., and Winnipeg, Man.; T.A. Morrison, Montreal, 204 St. James St.; J. Clark & Son, Fredericton, N.B.; G.A. Lonsbury Co., Newcastle, N.B.; Bligh & Prince, Truro, N.S.



Prices of Building Materials.

PRESSED BRICK, Per M.
MILTON PRESSED BRICK AND SEWER PIPE CO.

	F.O.B. Milton, Ont.	F.O.B. Montreal.
Red No. 1	\$18 00	15 00
" 2	14 00	14 00
Buff No. 1	20 00	18 50
" 2	25 50	25 50
Brown	30 50	30 50
Roman Red	33 50	33 50
" Buff	40 50	40 50
" Brown	12 00	12 00
Hard Building	12 00	12 00
Sewers	11 50	11 50
Hacking		

Please write to head office for catalogue and prices.

DON VALLEY PRESSED BRICK WORKS.

Nos. 1, 2 and 3 Red Pressed Bricks	12 00
Nos. 1 and 2 Buff Pressed Bricks	13 00
No. 1 Brown Pressed Brick	13 00
Pompeian Red, Buff and Brown Pressed Bricks	13 00
Ornamental Bricks of all kinds for Mantel purposes	13 00
Porous Terra Cotta Fireproofing of all Descriptions	13 00
Vitrified Street-Paving Bricks	13 00
Semi-Vitrified Foundation Bricks	13 00
Common Stock Red and Grey Bricks	13 00
Sewer Bricks	13 00
Stone for Macadamized Roadways	13 00

Please write to head office for catalogue and prices.

TORONTO PRESSED BRICK AND TERRA COTTA WORKS

	F.O.B. Milton, Ont.	F.O.B. Montreal.
Red No. 1	12 50	10 00
" 2	8 50	14 00
Buff No. 1	15 00	20 00
" 2	13 50	18 50
Brown	20 00	25 50
Roman Red	30 00	30 50
" Buff	30 00	33 50
" Brown	35 00	40 50
Hard Building	6 50	12 00
" Sewers	6 50	12 00
" Backing	6 00	11 50
Moulded and Ornamental Brick from \$2.00 to \$5.00 per 100.		
Terra Cotta String Courses and Friezes, from 50c. to \$2.00 per ft. run.		
Roofing Tiles, \$20.00 per 1,000, \$23.00 Montreal.		

BEAMSVILLE BRICK AND TERRA COTTA CO.

	F.O.B. Beamsville, Ont.	F.O.B. Montreal.
Red Peerless Facing	\$15 00	\$20 50
" No. 1	12 00	18 50
" No. 2	9 50	14 00
Brown Peerless Facing	20 00	25 50
" No. 1	18 00	23 50
" No. 2	15 00	20 50
Moulded and Ornamental Brick from \$2.00 to \$5.00 per C.		
Roman Red (Size 12 x 4 x 1 1/2 in.)	28 00	33 50
" Buff	28 00	33 50
" Brown	34 00	39 50
Vitrified Paving Brick No. 1	18 00	23 50
" No. 2	15 00	20 50
Sewer	6 00	12 00
Roofing Tile	22 00	26 00

FIRE BRICK

	F. O. B. Toronto	Car lots	Less
Boyd	21 00 M.	26 00 M.	
W. W. Co.	24 50 M.	28 50 M.	
Savage Crown	26 50 M.	32 00 M.	

STONE.

	Toronto	Montreal
Common Rubble, per ton, delivered at building	13 50	11 00
Large flat Rubble, per ton, delivered	14 00	18 00
Foundation Blocks, per 6 ft.	4 1	5 0
Granite (Stanstead) Ashlar, 6 in. to 12 in., rise 9 in., per ft.		1 5

W. & F. P. CURRIE & CO.

345 St. James St., Montreal

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



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

	Toronto.	Montreal.		Toronto.	Montreal
Amherst Red Sandstone	85	70	SLATE.		
Amherst, N.S., per cub. ft			Koching (W square)		
red stone f. o. b. Quarries	45	45	red	20 00	20 00
Masillon	30 00		purple	9 1	10 00
Stanstead granite paving blocks, 8 in. x 12 in. x 5 in.			unfading green	10 0	11 00
2 1/4 in. per M.			black	9 00	9 00
Granite curbing stone, 6 x 30 in. per lineal foot			Terra Cotta Tile, per sq.	23 00	25 00
Buctouche Olive Freestone	85	65	Ornamental Black Slate Roofing		77 50
Olive Sandstone (Indian-town, N. B.)	80	70	PORTLAND CEMENT.		
Brown Sandstone (Sackville, N. B.)	80	70	English—		
Most red sandstone, per cu. ft.			Brak's Shoobridge Anchor	35 40	2 00 2 10
Black Pasture buff stone per cu. ft.			Excelsior Brand		2 10
Nova Scotia blue grey, per cu. ft.			Belgian		
Coursera, 6 to 8 in. bed f. o. b. St. Mary's, per cord			"Castle" Brand		2 10 2 25
Footings, 6 to 10 in. wide, per cubic foot			"Jonson" Brand	2 60 2 70	2 30 2 40
Dimension Stone, f. o. b. St. Mary's, per cubic foot			"North's Condor	2 40 2 50	2 10 2 15
Granite (Laurentian Pink) Ashlar, 6 to 3 in. rise 3 in., per cu. ft.			Cathedral	2 35 2 50	2 00 2 10
Dimension Stock Granite, (Laurentian Pink) for building purposes, per c. ft., f. o. b. quarries			"White Cross"	2 40 2 50	2 15 2 20
Do., for polishing purposes, up to 2 tons weight, per cubic foot			Atlas	2 25 2 35	2 10 2 15
Dimension stock granite for building purposes, per cu. ft.			Hammer		1 80 1 95
Do., for polishing purposes, up to 2 tons weight, per cubic ft.			Red Cross Brand		1 95
Paving sets, per thousand block			Waterloo		2 25
			Raevel's 3 1/2 lb. bbl.		2 55
			Levie		2 50
			White Star	2 25 2 55	1 90 2 00
			German—		
			Off-n-acher Brand	2 80 2 90	2 30 2 45
			Dyckerhoff	2 60 2 70	2 40 2 50
			Karistar	2 80 2 90	2 40 2 50
			Heemannoor	2 30 2 50	2 40 2 50
			Cannon	2 40 2 50	
			Heidelberg	2 30 2 40	
			Canadian—		
			Rathbun's Star	1 90 2 10	2 40 2 50
			Esaign	1 70 1 90	2 00 2 00
			Citadel	2 00 2 00	1 75 1 80
			Trowal	2 00 2 05	
			Sanson Brand	1 1 80	
			Magnet	2 00	
			Monarch	2 00	2 30
			Hercules	1 75	
			Lion Brand	1 80	
			Imperial	1 80	
			Crescent 375 lbs. gross	2 30 2 40	1 95 2 05
			Diamond 350 " "	2 20 2 30	1 85 1 95
			American—		
			Alpha Brand	1 80 1 90	2 20 2 30
			Alsen's	2 40 2 00	2 25 2 35
			Lenigh, in bbl., 375 lbs.	2 00	2 50
			" cotton sacks, 250 net	2 20	2 50
			" spee bags	2 10	2 55
			"Iron Clad" in bags 350 lbs.		1 90 1 95
			"Invicta"		1 75 1 80
			"Adirondack"		1 50 1 65
			Keene's Superfine "Whites"	10 00 12 00	9 00 10 00
			Keene's Coarse "Whites"	6 50 7 00	5 50 5 00
			Fire Bricks, Newcastle, per M	27 00 33 00	15 00 22 00
			" Scotch	26 00 33 00	19 00 23 00
			Plaster, Calcined, N. B.	2 00	2 00
			" " N. S.	2 00	1 85 2 00