

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, MONTREAL AND WINNIPEG, JULY 27, 1904

No. 24.

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 2262.

Branch Offices:
38 Alliance Building, Montreal,
Telephone Main 2299.

310 McIntyre Block, Winnipeg,
21 Great St. Helen's London, England.

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

Derrick For Sale

I have a first-class Derrick, suitable for handling stone or any other heavy material, which I would sell or rent. For particulars apply to

WALTER CLARK, Contractor,
Sarnia, Ont.

City of Moose Jaw, Assiniboia

Tenders for CITY HALL AND POWER HOUSE

Sealed Tenders will be received by the Secretary-Treasurer of the City of Moose Jaw until 5 p. m. on

MONDAY, AUGUST 15TH, 1904

for the construction of the following buildings:

(a.) A City Hall

(b.) A Power House for Waterworks and Electric Lighting System.

Plans and Specifications for both buildings may be seen at the office of the Secretary-Treasurer, Moose Jaw, Assiniboia, and at the office of Mr. E. H. Bissett, 339 Main Street, Winnipeg, also at office of Mr. W. C. Albrant, Architect, Fargo, North Dakota, Architect for City Hall, and of Mr. Willis Chipman, Engineer, Toronto, Ontario, Engineer for Waterworks system for (a) and (b) respectively.

No tenders necessarily accepted.

JOHN D. SIMPSON,
Secretary-Treasurer.

Wanted--Hand Fire Pump--Second-Hand

Give particulars, how long in use, capacity, how many men required to operate, and price. Apply Box 155, CONTRACT RECORD

TENDERS

will be received by the undersigned up to SATURDAY, THE 27TH DAY OF AUGUST, 1904, for the building of 9,562 square feet, more or less, Granolithic Sidewalk for the Village of Morrisburg.

Plans and specifications can be seen on and after the 26th July at the office of F. D. McNaughton, C.E., Cornwall, Ont., and at the office of the undersigned at Morrisburg, Ont. The lowest or any tender not necessarily accepted.

F. R. CHALMERS, Clerk.

Morrisburg, July 20, 1904.

BERLIN SEWERAGE DISPOSAL WORKS TO CONTRACTORS

Sealed Tenders addressed to the undersigned will be received up to 6 a.m. WEDNESDAY, JULY THE 27TH, for the construction of two Septic Tanks and two Storage Tanks in the Town of Berlin. Plans and specifications may be seen and forms of tenders obtained at the office of Wm. Mahlon Davis, Engineer, Economical Block, Berlin. The lowest tender not necessarily accepted.

J. F. HONSBERGER,
Chairman Board of Sewerage Commissioners.

TOWN OF OSHAWA, ONT.

TENDERS FOR DEBENTURES

Sealed tenders will be received by the Town Clerk, up to noon of the 20TH DAY OF AUGUST, 1904, for the purchase of the whole or part of \$30,000 of Waterworks and Sewer Debentures, payable in 40 equal annual instalments of Principal and interest at 4% per annum, from 1st August, 1904. Said debentures bear date 1st August, 1904, and are payable at the office of the Treasurer, Oshawa. Any accrued interest to be paid by the purchaser.

The highest or any tender not necessarily accepted.

THOMAS MORRIS, Oshawa, Ont., Clerk.
Dated 23rd July, 1904.

TENDERS

will be received by the undersigned up till noon, AUGUST 6, for all various trades required in the erection of a House on Lowther ave. and Huron street. Plans and specifications may be seen at the office of

DARLING & PEARSON,
2 Leader Lane, Toronto.

The lowest or any tender not necessarily accepted.

Tenders for VITRIFIED BRICK PAVEMENT

Tenders for the construction of Vitrified Brick Pavement, with Concrete Curb, on Downie, Brunswick and Waterloo Streets, will be received at this office up to 7 p. m. THURSDAY, AUGUST 4TH. Plans and specifications may be seen on application to the undersigned. Tenders must be accompanied by a marked cheque payable to the City Treasurer for 2% per cent. of the amount thereof, which will be forfeited to the city should any party whose tender is accepted fail to execute the necessary contract and bond for the due fulfilment of the same. The deposits of unsuccessful tenders will be returned. The lowest or any tender not necessarily accepted.

ANGUS SMITH, C. E.,
Stratford, Ont.

A.L.D. THOMAS SAVAGE,
Chairman No. 2 Committee.
Stratford, July 11, 1904.

SEWERS

NIAGARA FALLS, CANADA

Sealed proposals, addressed to John Robinson, City Clerk, will be received by the Corporation of the City of Niagara Falls, Canada, until 12 o'clock noon, MONDAY, AUGUST 15TH, 1904, for the construction of Sections No. 11, 12, 13, and 14 of the Niagara Falls Sewerage System.

The works to be built under these sections are approximately as follows: About 3,000 feet of 24 and 30 inch sewers, about 17,000 feet of 12, 15 and 18 inch sewers, and about 8,000 feet of 9 and 10 inch sewers, including all rock excavation and appurtenances.

Proposals are to be made for each section separately and must be on the proposal sheets supplied. Each proposal must be accompanied by a certified check for six (6) per cent. of the amount of the bid, payable to the City Treasurer, said check to be returned to the person making the proposal unless he fail to execute the contract should it be awarded to him.

A Bond by a Surety Company will be required from the successful bidder for the faithful performance of the work.

Plans and specifications may be seen and form of proposal may be obtained at the office of the Engineer, Niagara Falls, on and after Wednesday, August 11th, 1904.

The City reserves the right to reject any or all proposals.

GEORGE HANAN, Mayor,
JOHN R. JACKSON, Engineer.
Niagara Falls, Canada, July 18th, 1904.

The Oakley Grain Door Company has been registered in Montreal by James O. Oakley.

The Montreal Plate Glass & Mirror Company, Limited, Montreal, have registered their business.

TENDERS

will be received by the undersigned up to 1st August, 1904, for the purchase and removal of the Old Water Saw Mills, formerly the property of Gilmour & Co., Gatineau Mills, near Chelsea, Que., containing probably half a million feet of Lumber and Timber, beside Machinery. Separate Tenders wanted for "Iron, Shafting, and Machinery," and for "Lumber, Timber, and Roofing."

All material to be removed from the premises before the 1st May, 1905.

TERMS—Twenty-five p.c. on acceptance of tender, balance in cash as material is removed from the premises.

The highest or any tender not necessarily accepted.

GILMOUR & HUGHSON, Limited,
HULL, QUE.

CONTRACTS OPEN.

CARLYLE, N.W.T.—Calder & Cochran intend building a brick hardware store.

COMBERMERE, ONT.—A new Roman Catholic church will be built here.

BURFORD, ONT.—The Crown Bank intend erecting a building in this village.

DEPOT HARBOR, ONT.—The Presbyterians contemplate the erection of a new church.

WOODLEIGH, N.W.T.—Plans have been prepared for a school house to be built here.

WASHAGO, ONT.—Mr. Saunders, of Toronto, intends building a summer residence here.

CARDSTON, N.W.T.—The Alberta Lumber Co. are preparing to erect their mill on the old site.

PRESTON, ONT.—The Metal Shingle & Siding Company have decided to rebuild their factory.

STRATHCONA, N.W.T.—Plans by J. E. Wize have been accepted for new Baptist church here.

GRAVENHURST, ONT.—A movement is on foot to erect a library building, to cost about \$3,000.

WATERLOO, ONT.—It has been decided to ask for tenders for a new heating system for the hospital.

ST. GEORGE, N.B.—The Baptist congregation have decided to build a new church, cost \$3,000.

WETASKIWIN, N.W.T.—The Town Council have decided to instal a municipal electric light plant of 1500 lights.

NEW GLASGOW, N.S.—Tenders have just been taken for the supply and construction of cast iron water mains.

RAT PORTAGE, ONT.—George Drewry has just taken tenders on erection of a brick veneer building on Second street.

PUGWASH, N.S.—Tenders for heating the county asylum will be received by H. B. Robertson or E. J. Embree up to 30th inst.

RENFREW, ONT.—J. K. Rochester, Town Clerk, wants bids by August 5th for purchase of \$51,112.18 4 per cent debentures.

BARRIE, ONT.—Thos. Kennedy & Co., architects, are taking tenders for erection of a brick residence for Arthur Craig, County Treasurer.

PORT MOODY, B.C.—The Canadian Pacific Lumber Co. have decided to rebuild their saw mill at this place recently destroyed by fire.

SMITH'S FALLS, ONT.—The ratepayers will vote on a by-law to raise by debentures the sum of \$8,000 for the purchase of waterworks pumps.

BRANTFORD, ONT.—Mr. Johnson, representing Chicago capitalists, has secured an option on property here on which to build a plow factory.

GLEN ROBERTSON, ONT.—Tenders will be received by D. Chisholm up to August 18th for erection of a school house for S.S. 12A Lochiel.

MEAFORD, ONT.—The by-law to assist J. H. Cleland to build a large wheelbarrow factory here will be submitted to the ratepayers August 23rd.

WALKERVILLE, ONT.—The Ford Motor Co. is being formed here by Gordon McGregor, to manufacture automobiles. A factory will probably be built.

BOBCAYGEON, ONT.—Charles T. Harbaugh, of Sewickley, Pa., has had plans prepared for a fine summer residence to be built at Springbank, Pigeon Lake.

STRATFORD, ONT.—Tenders for

the construction of 12,000 yards of vitrified brick pavement will be received by Angus Smith, C.E., up to 7 p. m. Thursday, August 4th.

GALT, ONT.—Tenders close 29th inst. for construction of 13,000 lineal feet of lateral sewers.—The Galt Down Draft Co. are asking for tenders for erection of their new works.

BRANDON, MAN.—Granolithic sidewalks will be constructed on the following streets: Twelfth street, cost \$500; Tenth street, cost \$1,118; Thirteenth, cost \$1,985; Rosser ave., cost \$1,440.

BADDECK, N.S.—Bids for the purchase of \$5,000 4 per cent debentures of the municipality of Victoria will be received by A. J. Macdonald, Municipal Clerk, up to August 10th.

GIBSON, N.B.—The ratepayers have decided to construct a reservoir near the rifle range for fire protection purposes, at a cost of \$15,000. Particulars from James Ruel or T. H. Babbitt.

AUSTIN, MAN.—M. Thomas, Secretary School Board, is asking for tenders by July 30th for erection of a two-room brick veneer school here. Plans by Nicholas Lailey, architect, Brandon.

LINDSAY, ONT.—Madison Williams, of Port Perry, has made a proposition to the Town Council to erect a machine shop and foundry here and to remove his plant from Port Perry.

WOODSTOCK, ONT.—The Crown Bank are about to erect a bank building here.—A site has been purchased at corner of Graham and Buller streets for the new armories for the Oxford Rifles.

KINGSTON, ONT.—E. M. Storey, architect, is taking tenders up to 28th inst. for painting, glazing, decorating, and carpenter work required in making improvements to Brock street Methodist church.

CHATHAM, ONT.—The Department of Public Works, Ottawa, is asking for tenders up to August 5th for installation of heating apparatus in the public building here. Plans on application to W. W. Mitchell.

LONDON, ONT.—H. C. McBride, architect, is preparing plans for a residence on Isabel street for A. M. Issac, alterations to the First Presbyterian church and for remodelling an opera house in Woodstock.

OSHAWA, ONT.—The Dominion Government is asking for tenders up to August 6th for erection of a public building here. Plans at the Department of Public Works, Ottawa, and on application to the postmaster here.

MORRISBURG, ONT.—F. R. Chalmers, Village Clerk, desires tenders by Saturday, August 6th, for the building of 9,562 square feet of granolithic sidewalk. The engineer of the work is F. D. McNaughton, C.E., Cornwall.

TORONTO JUNCTION, ONT.—The Union Stock Yards purpose erecting a large hotel on Keele Street, work on the foundation being now in progress.—Charles E. Proctor intends building four houses on Annette street east.

COLLINGWOOD, ONT.—The question of the construction of a complete sewerage system is again receiving consideration.—J. H. Duncan, Town Clerk, wants bids by 2nd August for purchase of \$25,000 4½ per cent debentures.

WINDSOR, ONT.—The Canadian Typograph Co. intend building a new factory here.—The City Council will purchase a new hook and ladder truck.—Debentures will be issued to the amount of \$60,000 for public school purposes.

VICTORIA, B.C.—Thomson Bros. will erect a two-storey brick and stone dwelling on corner of Abbott and Hastings streets.—Permanent sidewalks will be constructed on Fort Cook, Richard-

son, Belcher and Labouchere streets and Cadboro Bay road, at cost of \$24,000.

CALABOGIE, ONT.—Patrick Barrett, Township Clerk, invites tenders up to August 13th for construction of stone or concrete piers and steel superstructure for a bridge 84 feet long across the Madawaska river. Plans by J. L. Morris, C.E., Pembroke.

KEEWATIN, ONT.—It is understood that plans are being prepared for the flour mills to be built here by the Keewatin Flour Mills Co., of which James Mather, Denis Murphy, E. C. Whitney, and A. W. Fraser, of Ottawa, are the promoters.

GUELPH, ONT.—The Taylor-Forbes Co. are considering plans for extension of their building.—Tenders for installation of heating apparatus in the public building in this city will be received at the Department of Public Works, Ottawa, up to August 5th. Plans at office of L. C. Wideman, architect.

ST. CATHARINES, ONT.—L. K. Jones, Secretary Department of Railways and Canals, is taking tenders up to 4 p. m. of 27th inst. for the substructures of two new bridges crossing the Welland canal, one at Allanburg and the other at Marlatt's Crossing, between Allanburg and Thorold. Plans at office of the Superintending Engineer here.

FORT WILLIAM, ONT.—Manion, Graham & Horne have instructed J. C. Stinson, architect, to prepare plans for a brick block, 100 x 70 feet, 4 stories, to be built on the Vickers property on Victoria avenue.—McCrann Bros. have had plans prepared for a large addition to their hostelry. An elevator will be installed.

CHAMBORD, QUE.—The Dominion Government is asking for tenders up to August 18 for construction of a wharf here. Plans on application to the postmaster here and at office of Ph. Beland, Clerk of Works, Post Office Building, Quebec; J. C. Tache, Resident Engineer, Roberval, and C. Desjardines, Clerk of Works, Post Office Building, Montreal.

CALGARY, N.W.T.—W. M. Dodd, architect, has prepared plans for an addition to the store and post-office of the High River Trading Co.—Architect Lawson is preparing plans for a brick terrace of seven houses to be built opposite the school house. He has also in hand plans for a new block to be built by Mr. Skinner on corner of Atlantic avenue and Centre street.

OWEN SOUND, ONT.—Forster & Clark, architects, have prepared plans for the new Y.M.C.A. building to be erected at corner of Division and Scrope streets. It will be 3 stories and basement, 93 x 55 feet, exterior probably of cement blocks. In the rear will be a gymnasium 34 x 52 feet.—The Canadian Heating & Ventilating Co. intend building an addition to their factory, although work may not be commenced until next year.

QUEBEC, QUE.—It has been decided to renovate and improve the Chapel of Our Lady of Perpetual Help, Diamond Harbor.—Cox & Amos, of Montreal, have completed plans for the new Mackenzie wing to be built to the Jeffrey Hale hospital, for which the late Mrs. J. F. Turnbull bequeathed \$100,000.—The Bank of Montreal have taken out a permit for a new building at corner of Grande Allee and Berthelot street, to cost \$12,000.

HALIFAX, N.S.—It has been decided to engage an expert to prepare plans for an improved waterworks system. It is estimated that a satisfactory system will cost nearly \$1,000,000.—F. Clark, civil engineer, will receive tenders up to August 8th for construction of a brick

SN
CON
MI

ARE ST
OVER C
ALL KI
CRETE I

Do you wish

W. H. C. M.

Mc

store with
H. M. Do
man Provi
tenders up
roof of pro
E. Gates, J

HAMIL
is this wee
tion of sec
ed to have
of F. W.
south, an
provement
build a
south and
street, we
will build
street so
Notice is
Council to
\$7,600.

WINN
architect,
on Walnu
W. Melvi
ders on a
Hargrave
will be r
Clerk, up
supply of
Tenders f
building i
F. Gelin
Public W
Plans at
Warehou
architect,
is prepar
horses at
stall fitu
vincial C
in the c
across th
Clemens
for three
Farley st
for the n
soon as
vited.—1
132 x 10
Princess
Gerrie b
ing on t
tect, is t
for a fra
for N. J
up to Ar
frame fr
office of
McInty

WAREHO
architect,
is prepar
horses at
stall fitu
vincial C
in the c
across th
Clemens
for three
Farley st
for the n
soon as
vited.—1
132 x 10
Princess
Gerrie b
ing on t
tect, is t
for a fra
for N. J
up to Ar
frame fr
office of
McInty

WAREHO
architect,
is prepar
horses at
stall fitu
vincial C
in the c
across th
Clemens
for three
Farley st
for the n
soon as
vited.—1
132 x 10
Princess
Gerrie b
ing on t
tect, is t
for a fra
for N. J
up to Ar
frame fr
office of
McInty

WAREHO
architect,
is prepar
horses at
stall fitu
vincial C
in the c
across th
Clemens
for three
Farley st
for the n
soon as
vited.—1
132 x 10
Princess
Gerrie b
ing on t
tect, is t
for a fra
for N. J
up to Ar
frame fr
office of
McInty

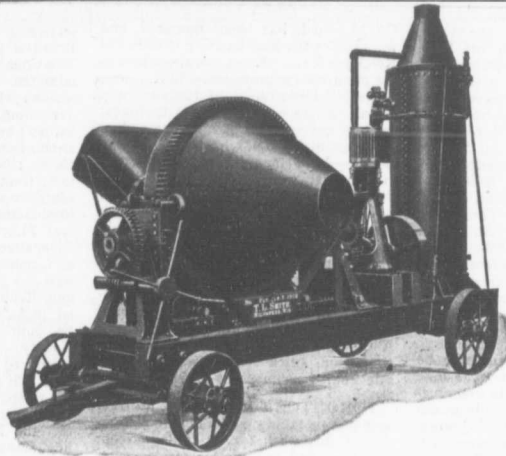
WAREHO
architect,
is prepar
horses at
stall fitu
vincial C
in the c
across th
Clemens
for three
Farley st
for the n
soon as
vited.—1
132 x 10
Princess
Gerrie b
ing on t
tect, is t
for a fra
for N. J
up to Ar
frame fr
office of
McInty

SMITH CONCRETE MIXERS

ARE STANDARD ALL
OVER CANADA FOR
ALL KINDS OF CON-
CRETE WORK. . . .

Do you wish our new Catalogue?

W. H. G. MUSSEN & CO.
Montreal



Smith Concrete Mixer on truck with engine and boiler.

SMITH CONCRETE MIXERS

ARE UNEQUALLED FOR
THEIR LARGE CAPA-
CITY, DURABILITY AND
SIMPLICITY OF DESIGN

Do you wish our new Catalogue?

W. H. G. MUSSEN & CO.
Montreal

store with hollow walls and slate roof at H. M. Dockyard.—A. Drysdale, Chairman Provincial Public Works, invites tenders up to 28th inst. for alterations to roof of provincial building. Plans by H. E. Gates, architect, Roy building.

HAMILTON, ONT.—The City Clerk is this week taking tenders on construction of sewers.—Thomas Lewis is reported to have purchased the large residence of F. W. Watkins at 312 Bay street south, and will make most costly improvements thereto.—Charles Lenz will build a residence on Emerald street south and A. M. Souter one on George street, west of Queen.—David Brown will build four artistic houses on Queen street south, near Homewood ave.—Notice is given of the intention of the Council to construct pipe sewers costing \$7,609.

WINNIPEG, MAN.—H. S. Griffith, architect, is taking tenders on a residence on Walnut street for Carl Wolff.—A. & W. Melville, architects, are taking tenders on a brick and stone residence on Hargrave street for P. C. Small.—Tenders will be received by J. C. Brown, City Clerk, up to Monday, August 15, for the supply of 1000 1/2-inch water meters.—Tenders for erection of an immigration building in this city will be received by F. Gelinas, Secretary Department of Public Works, Ottawa, up to August 2. Plans at office of J. E. Cyr, Examining Warehouse, this city.—James Chisholm, architect, 22-23 Western Canada Block, is preparing plans for a stable for 200 horses and would like catalogues of iron stall fittings, ventilators, etc.—The Provincial Government have decided to aid in the construction of a steel bridge across the Souris river at Melita.—Paul Clemens, architect, is preparing plans for three brick residences to be built on Farley street.—Plans are being prepared for the new post-office in this city, and as soon as completed tenders will be invited.—The Fairchild Co. have bought 132 x 100 feet of land on the west side of Princess street, immediately south of the Gerrie block, and will erect a new building on the site.—H. S. Griffith, architect, is taking tenders up to August 1st for a frame residence on stone foundation for N. J. Lindsay.—Tenders are invited up to August 1st for erection of a 3-storey frame factory and warehouse. Plans at office of the Winnipeg Supply Co., 302 McIntyre Building.

MONTREAL, QUE.—The following building permits have been granted:

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



Moulds and the Tile they make.

STEEL MOULDS

Latest Improved
Making 4' to 36'

CONCRETE TILE

All kinds of
ROAD MAKING MACHINERY and
CONTRACTORS' SUPPLIES.

SAWYER & MASSEY CO., Limited
Hamilton, Canada.

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 Canadian Casualty and Boiler Insurance Co.

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

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

A STEAM BOILER POLICY

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

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

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

y 27, 1904
s streets and
\$24,000.
Patrick Bar-
tenders up
tion of stone
superstructure
across the
by J. L.
It is under-
prepared for
here by the
of which
rphy, E. C.
of Ottawa,
aylor-Forbes
for extension
for installa-
in the public
received at
Works, Otta-
is at office of
NT.—L. K.
ent of Rail-
tenders up to
substructures
the Welland
the other at
a Allanburg
ffice of the
re.
—Manion,
structed J. C.
e plans for a
4 stories, to
erty on Vic-
os. have had
addition to
r will be in-
he Dominion
nders up to
of a wharf
to the post-
Ph. Beland,
ce Building,
sident Engi-
Desjardines,
ce Building,
M. Dodd,
for an addi-
office of the
rchitect Law-
brick terrace
opposite the
hand plans
y Mr. Skin-
avenue and
—Forster &
pared plans
ilding to be
n and Scrope
e and base-
r probably of
r will be a
he Canadian
ntend build-
ory, although
ed until next
as been de-
ove the Char-
al Help, Dia-
s, of Montreal,
e new Mac-
e the Jeffrey
late Mrs. J.
100,000—The
ten out a per-
er of Grande
to cost \$12,-
s been decid-
prepare plans
s system. It
ctory system
s.—F. Clark,
tenders up to
n of a brick

Montreal Street Railway Co., one-storey car barn, De Florimont street, cost, \$46,000; Congregation of Notre Dame, two-storey building, St. Antoine street, cost \$13,000; H. E. Stearns, three-storey residence, 6 McGregor street, cost \$20,000; J. W. Guimond, two three-storey residences, City Hall ave., cost \$6,000; C. A. Briggs, 2½-storey residence, Dorchester street, cost \$5,000; J. O. Gagnon, two three-storey residences, Rylwin street, cost \$4,800; Joseph Feron, two two-storey residences, 1101-3 St. Hubert street, cost \$3,500; P. Meloche, three-storey building, Lagauchetiere street, cost \$4,000; L. Renaud, three dwellings, Champlain street, cost \$3,000; P. P. Renaud, three three-storey dwellings, Plessis street, cost \$7,500.

OTTAWA, ONT.—Tenders will be received at the Department of Public Works up to August 8 for the construction of a landing pier at St. Jean des Chailions, Lotbiniere County, Quebec. Cheque for \$4,000 to accompany each tender.—It is understood that plans have been prepared for a new Y.M.C.A. building to cost about \$125,000.—The Separate School Board have decided to call for tenders for three new schools, viz., Our Lady's, Guigues, and one in St. Joseph's parish.—H. J. Sims & Co. intend making alterations and additions to their store premises, 110 Sparks street.—The Ottawa Steel Casting Co. are having plans prepared for a foundry to be built at 203 Bridge street, 132 x 55 feet and one storey high. It is probable that construction will be commenced this fall.—Plans are being prepared by the Ontario Government architect for important alterations to the Normal school building in this city.—The Ketchum Boat

Co., Limited, has been organized and will acquire the boat-building business of Ketchum & Co. Extensive alterations to the premises are projected.—L. K. Jones, Secretary Department of Railways and Canals, will receive tenders up to August 10th for construction of a concrete dam at Poonamalie Lock, on the Rideau Canal.—At a meeting of the Board of Health last week, it was resolved that the tenders for the additional storey to the Isolation Hospital annex be not then opened, but that the City Council should consider the advisability of placing proper heating facilities with requisite baths in the annex.—Building permits: Mrs. Timmis, brick dwelling, west side Preston street, cost \$2,000; Oliver Asselin, alterations to dwelling, south side St. Andrews street, cost \$1,000; John D. Robertson, brick veneer dwelling, south side Fourth avenue, cost \$1,600.

TORONTO, ONT.—A. J. Rattray, architect, is taking tenders up to Thursday of this week for all trades except plumbing and heating for residence on Wells street.—Tenders are wanted at 96 Macpherson ave. for all trades for pair of brick houses.—J. Davis, architect, 77 Adelaide street east, wants separate tenders for erection of a dwelling.—Thomas Urquhart, Chairman Board of Control, will receive tenders up to Tuesday, August 2nd, for supply of hose wagons, chemical engine, fire hose, and tarpaulins.—Tenders are wanted at 66 Beverley street for erection of a pair of semi-detached houses.—Plans of city hall and power house to be built at Moose Jaw, N.W.T., may be seen at the office of Willis Chipman, C.E., 103 Bay street. Tenders close August 15.—Tenders for installation and operation of a telephone

service in this city are invited by the Board of Control up to October 1st.—The Council have given notice of their intention to construct the following works: Macadam roadway on Eastern ave., from Pape to Caroline ave., cost \$2,942; asphalt pavement on Crawford street, from King to Queen street, cost \$8,390; cedar block pavement on Logan ave., from Queen street to 2,124 feet south, cost \$11,760; on Vermont ave., from Bathurst street to Palmerston ave., cost \$1,970; on Gerrard street, from River street to bridge, cost \$1,836; sewer on Conduit street, from Dundas street to west city limit, cost \$1,515.—The Corundum Refining Co., Limited, have adopted plans for a large corundum mill to be built at Palmer Rapids, Renfrew County. J. P. Tilden, of Hamilton, is interested in the company.—It is probable that a by-law will be submitted to the ratepayers to raise about \$80,000 for the construction of a breakwater to protect the Lake Shore road.—F. S. Darling, Canadian Pacific Railway engineer in charge of construction work east of Winnipeg, states that the proposed C.P.R. line from Toronto to Sudbury will cost about \$8,000,000, and of this amount \$2,000,000 will be required for the construction of 58 miles from Romford to Byng Inlet.—Sproatt & Rolph, architects, have charge of the new building at corner of Simcoe and Adelaide streets for the lithographing firm of Rolph & Clarke.—Excavations were begun last week for a factory on Wellington street, between Bay and York streets, for Millichamp & Co.—It is understood that the Molsons Bank have purchased fifty feet of property on Bay street, just north of the Mail Building, with the intention of

July 27,
erecting a
site, their
King and
chased son
Insurance
Co. have
accommod
Canada
factory in
architect,
tenders up
houses and

Breeze's
Forest Mi
tally destr
of J. McCa
Feather &
Toronto, d
Residence
Severn Bri
line street,
Morris.

COI
AUROR
walks: Cle
PORT A
for W. F. C
PRINCI
tist church
contractor.
SMITH'
hospital bu
contractors
STOUFI
for Todd &
ville, contri
SUDBU
Edward H
Falls, conti
CHATH
heating sy
Watt & Son
STRATI
mercial H
Badson; ci
FERGU
O'Hara &
purchase of
crued interi
KILSYT
tawataime
David Chal
tor, price \$4
HALLVI
cession and
Frank Ellic
ful tenderer.
ST. STE
building: H
Joseph Mc
Brick with
ST. JOH
Singer Sey
Stewart & C
The buildin

... NEW and RELAYING ...

STEEL RAILS

45 lb. Relayers Immediate Delivery.

- ALSO -
LIGHT RAILS ALL WEIGHTS

RANSOME

CONCRETE MIXERS



WRITE FOR PRICES AND PARTICULARS.

F. H. HOPKINS & CO.

EVERYTHING IN SUPPLIES.MONTREAL

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

JOHN
Mem
CONSU
Dams, M
Room
20 King
Te

J. A. L. WAD
Mem. Can.
Mem. Inst.
Mem. Am.

Wad
Consulti
Canadian Hen
Manning
Montreal

erected by the
October 1st.—
notice of their
the following
y on Eastern
ine ave., cost
on Crawford
on street, cost
nent on Logan
to 2,124 feet
Vermont ave.,
lmerston ave.,
l street, from
\$1,836; sewer
ndas street to
—The Coran-
have adopt-
m mill to
ids. Renfrew
Hamilton, is
—It is prob-
submitted to
ut \$80,000 for
water to pro-
—F. S. Dar-
lway engineer
work east of
the proposed
to Sudbury
3, and of this
e required for
is from Rom-
at & Rolph,
the new build-
and Adelaide
g firm of Rolph
ere begun last
lington street,
eets, for Mill-
stood that the
ased fifty feet
t, just north of
ie intention of

erecting a new bank building on the site, their present location on corner of King and Bay streets having been purchased some months by the Canada Life Insurance Co.—The Canadian Kodak Co. have decided to double their factory accommodation.—It is probable that the Canada Biscuit Co. will enlarge their factory in the near future.—S. H. Davis, architect, 2½ Queen street east, is taking tenders up to August 5th for four warehouses and fifteen residences.

FIRES.

Breeze's woollen mill and saw mill at Forest Mills, near Napanee, Ont., totally destroyed; loss \$6,000.—Premises of J. McCausland & Co. and the Toronto Feather & Down Co., King street west, Toronto, damaged to extent of \$3,500.—Residence of William Montgomery at Severn Bridge, Ont.—Houses on Caroline street, Hamilton, owned by Mrs. Morris.

CONTRACTS AWARDED.

AURORA, ONT.—Granolithic sidewalks: Clement & Leal, contractors.

PORT ARTHUR, ONT.—Residence for W. F. Gilby: Geo. Otto, contractor.

PRINCE ALBERT, N. W. T.—Baptist church on First street: William Knox, contractor.

SMITH'S FALLS, ONT.—Roofing hospital building: Cameron & Leacock, contractors.

STOUFFVILLE, ONT.—Elevator for Todd & Cook: Mr. Powers, Unionville, contractor.

SUBURBY, ONT.—Erection of King Edward Hotel: M. Healy, of Smith's Falls, contractor.

CHATHAM, ONT.—Remodelling heating system in Separate school: Jas. Watt & Sons, contractors.

STRATHCONA, N. W. T.—Commercial Hotel: Brickwork, Peasey & Badson; carpenter work, William Deitz.

FERGUS, ONT.—The tender of H. O'Hara & Co. has been accepted for purchase of debentures at \$8,850 and accrued interest.

KILSYTH, ONT.—Drainage of Potawatimie river, Township of Derby: David Chalmers, Owen Sound, contractor, price \$6,000.

HALLVILLE, ONT.—Eighth Concession and Castore Extension drain: Frank Elliott, Morewood, Ont., successful tenderer, \$12,650.

ST. STEPHEN, N.B.—New telephone building: H. H. Mott, St. John, architect; Joseph McVey, St. Stephen, contractor. Brick with granite trimmings.

ST. JOHNS, QUE.—Shops for the Singer Sewing Machine Co.: James Stewart & Co., of New York, contractors. The building will be quite extensive.

JOHN S. FIELDING

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

CONSULTING ENGINEER.

Dams, Mills, Bridges, Machinery.
Room 41, National Trust Building,
20 King Street East, TORONTO, ONT.
Telephone Main 3488.

J. A. L. WADDELL,
Mem. Can. Soc. C. E.
Mem. Inst. C. E.
Mem. Am. Soc. C. E.

IRA G. HEDRICK,
Mem. Can. Soc. C. E.
Mem. Inst. C. E.
Mem. Am. Soc. C. E.

Waddell & Hedrick
Consulting Bridge Engineers
KANSAS CITY, MO.

Canadian Head Office:
Manning Chambers, TORONTO, ONT.
Montreal Office: 185 St. James Street.

PORTAGE LA PRAIRIE, MAN.—New Collegiate Institute building: D. Winton, architect, \$20,895 exclusive of concrete floor, heating and plumbing.

BADEN, ONT.—Bridge at New Prussia, Wilnot: Superstructure, James A. Vance Contracting Co., \$1,425; abutments, George C. Bulmer, \$5.10 per cubic yard.

MOOSE JAW, N.W.T.—The contract for engines, boilers, etc. for electric light and waterworks station has been awarded to the Robb Engineering Co., of Amherst, N.S.

GODERICH, ONT.—Construction of breakwater: Battle & Conlon, of Thorold, contractors.—Electric light meter debentures have been sold to W. L. Horton for \$1,167.

BELLEVILLE, ONT.—Repairs to Christ church, Indian Reserve, Tyendinaga: Masonry, John Cook; carpentry, James S. Pock; painting, George Weymark, all of this place.

ST. CATHARINES, ONT.—Macadam roadways, R. E. Speakman, City Engineer, contractor, 75 cents per square yard; concrete walks, Wilson & Jones, 12½ cents per square foot; concrete curbs and gutters, W. Bennett, 54 cents per lineal foot.

FERNIE, B.C.—Bank of Commerce building: Smith Bros., contractors; E. L. Wriglesworth, sub-contractor for mason work.—Stewart & Welch, contractors for the Great Northern extension from Morrissey to Fernie, have let a sub-contract to A. V. Macdonald.

WINNIPEG.—Tenders for fire protection apparatus have been accepted as follows: Cast iron water pipe and specials, Gartshore-Thomson Pipe & Foundry Co., Hamilton, \$38 and \$65 per ton respectively f.o.b. Winnipeg; steam fire engine, Waterous Engine Co., Brantford, Ont., \$6,080 f.o.b. Winnipeg; one 85-foot aerial truck, \$5,140, and one 65-foot water tower, \$7,900, W. E. Seagrave, Walkerville, Ont. The Canadian Westinghouse Co. will supply electrical apparatus and lamps.

LONDON, ONT.—The Canadian Electric Traction Co., Limited, have awarded the contract for equipment of their road to Bruce, Pebbles & Co., of Edinburg, Scotland, at a price exceeding \$200,000. The line will run from London through the city of St. Thomas to Port Stanley, a distance of thirty miles, and will be extended later.—Residence for C. R. Dennis: Carpenter work, George C. Young; mason and brick work, William Copp.—Concrete walks at Myrtle street school: A. E. Ponsford, contractor, 11½ cents per foot.

TORONTO, ONT.—Contracts for the construction of the James Bay Railway from Toronto to Parry Sound have been awarded to Angus Sinclair, C.E., and the firm composed of A. R. Mann and A. Mackenzie. The work is to be completed

by September, 1905.—The Board of Control last week awarded contracts as follows: Asphalt pavements, Markham street, Herrick to Bloor street, \$4,518, Construction and Paving Co.; brick pavement, Jarvis street, Front street to 93½ feet south, \$300, City Engineer; bitulithic pavement, Avenue road, Davenport road to north limit of Toronto Railway tracks \$15,191, City Engineer; tar macadam pavement, Carlaw avenue, Queen street to Eastern avenue, Constructing and Paving Co.; concrete sidewalks, Gerrard street north, Broadview avenue to Howland road, 62 cents per lineal foot, Queen City Constructing and Paving Co., Maple Grove north, Brock avenue to O'Hara avenue, \$1, Ossington avenue west, College to Dewson, 70 cents, Peter street east, King street to 114½ feet south of Adelaide street, 82 cents, City Engineer; sewers, Hunt street, Jones avenue to 300 feet east, \$549, John Maguire; Wallace avenue, Perth avenue to 170 feet west, \$478, City Engineer.

WESTRUMITE FOR ROAD SPRINKLING.

Westrumite, the invention of Herr van Westrum, is a mixture of oil, which may be diluted as desired and sprinkled over a road with an ordinary watering cart. The water evaporates, leaving the westrumite as a moist film, which absolutely prevents the rising of dust. Tested in London on a dry roadway where every vehicle raised clouds of dust, the material so affected the surface that several automobiles at highest speed raised no dust whatever.—Exchange.

OUR WINNIPEG OFFICE.

The publishers of this Journal have recently opened a branch office at No. 310 McIntyre Block, Winnipeg. A resident representative has been appointed who will be exclusively employed in advancing the circulation of this Journal and in keeping our readers informed regarding the latest developments throughout the west. The kind co-operation of our friends in the west is solicited in behalf of the success of this enterprise.

The dissolution is announced of Bouthillier & Malouin, plasterers, Montreal.

The Best Sand to withstand Fire is the Sand that is all Sand, namely, **Water Washed Sand.**

It is the Best. It is the Cheapest.
SAND & DREDGING, Limited
Tel. M. 4507 John Street Dock, TORONTO

PALMERSTON BOULEVARDE, Toronto

is to be paved with the Bitulithic pavement.

It has been laid in London, Chatham, Montreal and Glace Bay and contracts have been awarded to us for 16,000 sq. yds. in Walkerville, Ont., also for the Driveways around the Dominion Parliament Buildings in Ottawa. Write for particulars and estimates to

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

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. 39.

IMPORTANT DECISION AFFECTING BUILDERS.

Mr. Justice Fortin has rendered judgment in a case of importance to builders. Mr. Miller L. Hersey, analytical chemist, sued Charles J. Brown and the late Ed. Riel, of Montreal, for damages arising from the fact that a house purchased by him from them had become affected by dry-rot, owing to defective construction of the floor of the basement, to such an extent that it became necessary to renew all the woodwork in that part of the house. The court adopted the argument of Messrs. Ryan and Bickerdike, who acted for the plaintiff, that the defendants were liable as builders for the partial destruction of the house, and that such responsibility was not affected by the fact that at the time the house was built the defendants were owners of the soil because persons who built houses for sale are subject to the same liability as builders who contract with proprietors of land for the erection of the houses. It was also held that the construction of a basement floor by laying

the sleepers directly on the earth, which was moist owing to defective drainage, and without providing proper ventilation, was a latent defect rendering the defendants liable as vendors; and \$300 damages were accordingly allowed. A quantity of expert evidence was adduced as to the nature of dry-rot, including a scientific description of the fungus and its conditions of growth, by Miss C. M. Derick, M. A., lecturer in botany in McGill College.

For thawing the covers of water-works service boxes, which have been frozen

into their frames, Mr. Edwin C. Brooks, superintendent of water-works, Cambridge, Mass., uses a little benzine, which is poured onto the cover and ignited. At a meeting of the New England Water Works Association, he stated that the benzine did the work perfectly and saved the trouble of running into neighboring houses for pails of hot water.

Speight & Van Nostrand
LAND SURVEYORS, ETC.

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

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.

**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.

TORONTO POTTERY CO., Toronto, Ont.

Long Distance Phone North 1787.

DISTRIBUTORS

Gilbreth's Rotary Concrete Mixer (for Power)

The Portable Gravity Concrete Mixer

The Rotary Man Power Concrete Mixer

The Accurate Measurer & Feeder

The Portable Platform Set Up

The Tipping Box

For
Feeding
Concrete
Mixers.

E. F. DARTNELL, Agent

MONTREAL

SEND FOR CATALOGUES.

**Surveying
and
Drawing
Instruments**

Best English Quality

Manufactured by

A. G. Thornton

Manchester, Eng.

Surveyors' and
Engineers' Supplies

Write Us For Catalogue
and Prices

56

**C. H. MORTIMER
PUBLISHING CO.**

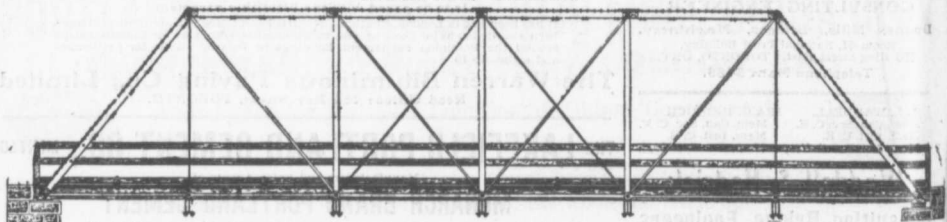
of Toronto, Limited

AGENTS FOR CANADA

Confederation Life Bldg., TORONTO
Imperial Building, MONTREAL

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.

July 2
The Hal
M
"SAUG
P
Granite s
to any
But
Quarr
JOS. E
TUNNI
Ste
Works :
H
Roofs,
In
ARTIFI
SI
CORPOR
The SH
WALTER
General M
T. A
PURVE
Munic
Corpo
Archit
Engin
Mines
Railwa
Buildi
GONTE
Stackpole
Patent I
Because
It Sweep
clean. It
less gartin
reasonable

Established 1898.
The Hanover Portland Cement Co., Ltd
 Hanover, Ontario.
 Manufacturers of the Celebrated
 "SNAUGEEN" 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

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

ARTIFICIAL STONE PAVEMENTS

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

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

T. A. Moppison & Co.

PURVEYORS TO

Municipal Corporations
 Architects
 Engineers
 Mines
 Railway and Building

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

CONTRACTORS

204 St. James Street MONTREAL

PORTLAND CEMENT
SAMSON BRAND MAGNET BRAND

MANUFACTURED BY

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

THE CANADIAN PORTLAND CEMENT COMPANY, LIMITED

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

The Leading Canadian Portland Cement.

Capacity of Works: 500,000 Barrels Per Year.

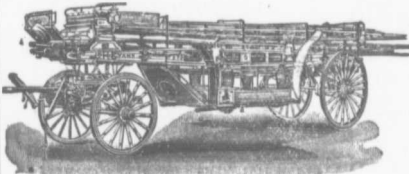
SALES AGENTS

The HATHBUN CO.
310-312 Front Street West, TORONTO, ONT.

St. Lawrence Portland Cement Co.
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.

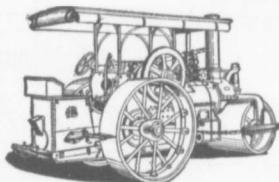


Prompt attention given all inquiries. All goods built to order.

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

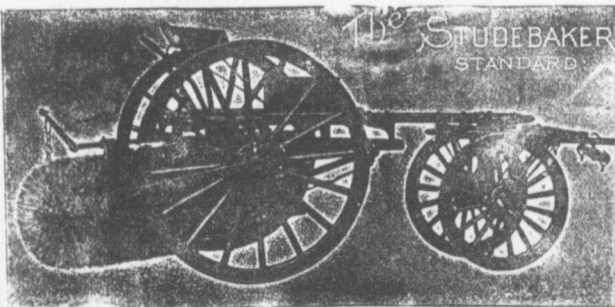
We Rebuild other makes of Fire Engines with our patent Boiler.

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.

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.

strand ETC.

ONTARIO, CAN. Passmore.

ITED

Cells, IRON

ENT

it. BUTTORS

wer) er Mixer

For Feeding Concrete Mixers.

REAL

Limited

S and PLATES

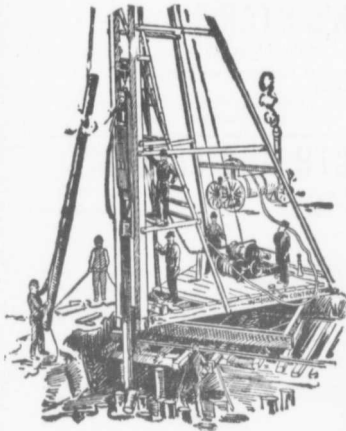
The Canadian Bridge Co., Limited

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

A TRIUMPH OF THE METALLURGIST'S ART

MANGANESE

Anti-Friction
Babbitt Metal.

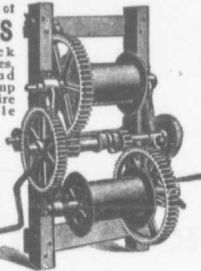
Syracuse Smelting Works, Montreal.

Notice to Contractors.

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

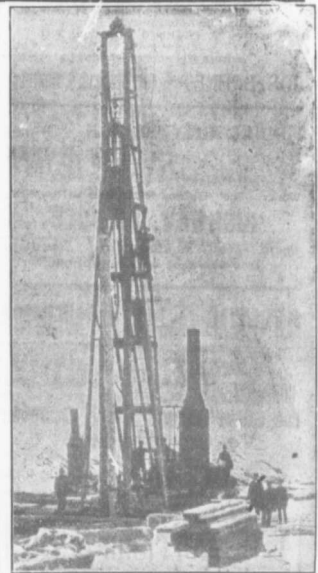
are making a speciality of improved
HOISTING AND BUILDING ENGINES.
Write for Prices.

Manufacturer of
DERRICKS
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.
463 West 2nd Street, Chicago

If you want to reach Muni-
cipalities advertise in the
CONTRACT RECORD.



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

Pumps for Waterworks

Waterworks Systems
Installed

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

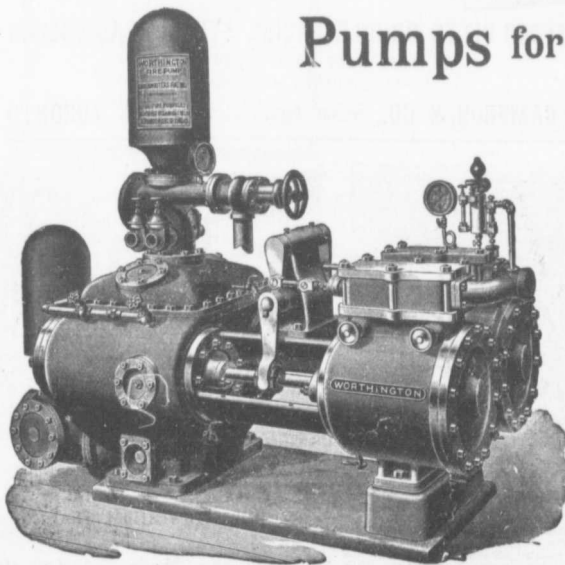
**Steam Boilers and
Filters**

Write for Prices and Particulars

The John McDougall

GALEOPOLIAN IRON WORKS CO., LIMITED

MONTREAL, P.O.



DEBENTURES

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

G. A. STIMSON & CO.

Investment Dealers
34 and 36 King St. W. TORONTO

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

Please mention this paper when corresponding with advertisers.

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.

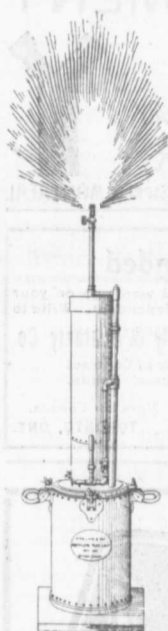
Toronto Agent: GBO. E. EVANS,
38 Canada Life Bldg., TORONTO, ONT



The Highest Grade of American
Portland Cement is "Iron Clad"

It is the most finely ground (97 per cent. passing No. 100 sieve) and most uniform, having a Ten Years' Record. Used on some of the most important work in Canada and U. S. A.

Prices on application to all dealers, or to
The Glens Falls Portland Cement Co.,
224 Board of Trade, MONTREAL, P. Q.
W. A. COOK, Agent



THE BEST LIGHT
For Contractors,
Railways, Mines,
Steamboat Lines,
Etc.

is the
HOLLAND PORTABLE LIGHT

Cheaper to operate and cheaper to buy than any other gives 300 candle-power of light and costs less than 3 cents an hour to operate. Suitable for any cut-of-door work in any weather. Delivered at any railroad station in Canada for \$42.00.

HOLLAND PORTABLE LIGHT WORKS
17-19 Busby Lane,
Montreal, P. Q.
Phone Main 2399.
P. O. Box No. 229

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. 436 Ring 2.



"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.

The Locomotive and Machine Company OF MONTREAL, LIMITED

NEW YORK OFFICE:
25 BROAD STREET
N.Y.

Structural Steel

WORKS:
LONG POINT
MONTREAL

FOR ALL PURPOSES

Principal Office: Imperial Bank Building, MONTREAL

ted
IGES

ING
WRECKER
Toronto
M. 2007.

rks
ms

lectric,
and

and

ugall
MONTREAL, P.O.

FOUL GAS IN SEWERS.

1. Open the lids of two adjacent man-holes so as to provide a down-cast and an up-cast shaft; or if only one manhole is available, and there is no other outlet by an open sewer or vent pipe, place a wooden tube about 1 ft. square down the one manhole for use as a down-cast shaft.

2. Use one manhole, or the wooden pipe above described, as a down-cast shaft by means of a heavy shower of water from a large watering can with a rose-jet, or else from a rose-jet on a hose-pipe from the town's water mains.

3. Where there are two manholes near together, use one for the down-cast shaft, by means of the shower of water above described, and use the other for the hoisting and working shaft.

4. Test the air in any shaft before men go down it by lowering a lighted candle down it. If the light burns dull, even

without going out, the shaft must not be entered. Ventilate the shaft as before described, and test it again; and do not enter it until a light will burn brightly in it.

5. Beware of any mixture of combustible or explosive gas in the sewers or their manholes, and if any signs of such gases are found, obtain skilled men and safety-lamps from some colliery, and let those men direct the work, giving them the help of ventilation, etc., as before described.

6. When a man has to descend a risky manhole or shaft, he must have a strong rope properly tied about his shoulders, so that he could be lifted by it, and the ropes must be kept in hand ready to lift him up if he becomes overpowered by the gas. When a man has to crawl along a risky sewer he must have a short rope securely tied to his ankles, and a rope from it to hand, so as to draw him back if he becomes overpowered by the gas.—Building News, England.

Oscar Cote, contractor, Montreal, is reported to have assigned. A new company has been formed, to be known as Oscar Cote & Cie.

The Sun Portland Cement Company, of Owen Sound, Ont., have their new plant in operation, by means of which they expect to effect a large saving in the cost of manufacture.

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.

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.

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.

PORTLAND CEMENT

SEWER PIPES

FIRE BRICKS

FIRE CLAY

ALEX. BREMNER

50 Bleury Street, MONTREAL

**You Are Offended**

If your friend won't go on your Bond. Be independent. Write to

The United States Fidelity & Guaranty Co.

They make a specialty of Contract and Municipal Officers' Bonds.

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

THE STANDARD
Where Cement



IN ALL COUNTRIES
Is Known.

ALSEN

"THE ABSOLUTELY SAFE CEMENT"
48 BROADWAY, NEW YORK

Yearly Capacity Over

Two Million Barrels



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

WM. H. BREITHAUP, C.E.

M. Am. Soc. C.E. M. Can. Soc. C.H.
CONSULTING STRUCTURAL ENGINEER
Foundations, Bridges, Buildings.
BERLIN, ONT.

JAMES C. KENNEDY,

MEM. CAN. SOC. C. E.
Civil and Hydraulic Engineer
Examinations, Reports, Plans, Estimates,
Supervision of Construction of Water
Powers, Waterworks, Sewerage, etc.
P. O. Box 131, HAWKESBURY, ONT., and
877 Dorchester Street, MONTREAL, QUE.

ROSS & HOLGATE

Consulting and Supervising Engineers
Water Powers, Electric Light and Power
Plants, Structural Work, Reports,
Estimates, Arbitrations.
80 ST. FRANCOIS XAVIER ST. - MONTREAL

E. VON DER OSTEN & CO.,

Consulting Engineers
Industrial Plants, Waterworks,
Lighting and Power Plants
Sewerage and Sewage Disposal
Garbage Reduction Plants
Municipal Improvements
73 Queen Street West,
507 Manning Chambers, **TORONTO, ONT.**

Cable: Ackcoll

J. J. COLLINS

B.A.S., C.E., M.E., E.E.
Consulting Engineer
Ottawa, Ont., Canada

EDWARD B. MERRILL
ELECTRICAL & MECHANICAL ENGINEER
18 KING ST. W. **TORONTO**

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.
82-83 James Building - **TORONTO, CAN.**
Long Distance Telephones-Office and Residence
Cable Address "Rodparke" (W. U. Code.)

John H. Jackson

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

CEMENT TESTING

Dr. J. T. Donald
Official Analyst to the Dominion Government.
Established 1880.
Physical and Chemical Tests on all kinds of
CEMENTS and RAW MATERIALS. Prompt
returns and lowest rates consistent with ac-
curate work.
112 St. Francois Xavier Street, Montreal, Canada

CHARLES BRANDEIS

A. M. Can. Soc. C. E., A. M. Amer. Inst. R.R.
Mem. Amer. Electro-Chemical Soc., Etc.
CONSULTING ENGINEER
Estimates, Plans and Supervision of Hydraulic
and Steam-Electric Light, Power and Railroad
Plants. Specifications, Reports, Switchboard
Designs, Complete Factory Installations, Elec-
tric Equipment of Mines and Electro-Chemical
Plants.
Long Distance Telephone Main 32-6
Cable Address: Brandeis-Montreal.
W. U. Code, Univ-Edition.
Liverpool & London **MONTREAL**
& Globe Building.

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

LOCOMOTIVES & CARS

John J. Gartshore
83 Front St. West,
Opposite Queen's Hotel.) **TORONTO**

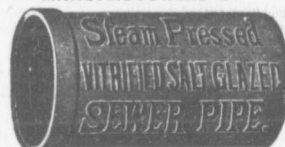
THE ONTARIO ASPHALT BLOCK CO., L'T'D.

MANUFACTURERS OF
ASPHALT BLOCK PAVING
Information and samples furnished municipalities on application.
Main Office: WINDSOR, ONT. Works: WALKERVILLE, ONT.

'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.

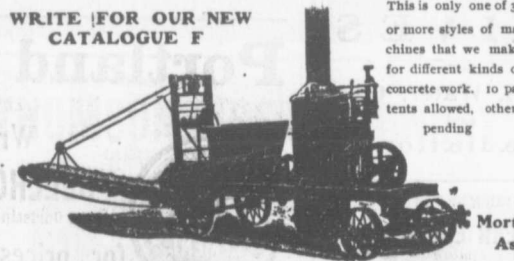


FOR
Sewers, Culverts and Water Pipes
Inverts for Brick Sewers

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, **Chicago, Ill., U. S. A.**
Office and Salesroom, 298-300-302 W. Jackson Road
79-11-13 Garden Street, Chicago. Eastern Agent, Walter S. King, 27 St. John's Place, Brooklyn, N. Y.

NEW COMPANIES.

William Beatty Company, Limited, Parry Sound, Ont., incorporated, capital \$60,000, to manufacture and sell lumber. W. J. B. Beatty, of Parry Sound, John D. Beatty, of Sarnia, and others.

Bertram Brake Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture and sell air brakes. C. J. Leonard, Goodwin Gibson, C. S. Robertson, and others.

Woodruff-Robins Company, Limited, Toronto, incorporated, capital \$100,000, to carry on business as architects and builders. S. H. Woodruff, architect, F. B. Robins, real estate agent, Buffalo, and others.

Ontario Crude Oil Company, Limited, Toronto, incorporated, capital \$300,000, to carry on mining, milling, and reduction of ore. J. W. Stokes, W. D. Earngey and James Kynock.

Plummer-Ferguson Hardware Company, Limited, Sault Ste. Marie, Ont., incorporated, capital \$50,000. Directors, W. H. Plummer, C. V. Plummer, J. H. Luscombe, R. G. Ferguson and W. F. Ferguson.

St. Catharines Wood & Lumber Company, St. Catharines, Ont., incorporated, capital \$40,000, to manufacture lumber. Directors, W. H. McCordick, of St. Catharines; H. J. Nicholls, of Huntsville; E. O. Babcock, of Niagara Falls, N. Y.

Knitted Goods, Limited, Toronto, incorporated, capital \$40,000, to manufacture cotton and woolen goods. Directors, Thomas Prest, A. R. Moore, and others.

The Lakefield Canoe Building & Manufacturing Company, Limited, Lakefield, Ont., incorporated, capital \$40,000. Directors, E. R. Tate, John E. Richardson and G. A. Baptie, of Lakefield.

Orangeville Furniture Company, Limited, Orangeville, Ont., incorporated, capital \$60,000, to manufacture furniture. Directors, R. J. Disney, C. Hertel, of Hanover, and others.

Fruitland Brick & Supply Company, Limited, Hamilton, Ont., incorporated, capital \$40,000, to manufacture bricks, tile, and other building materials. Ferdinand Hamilton, of Hamilton, and Joseph Twedde and P. H. Hamilton, of Township of Saltfleet.

Manufacturers' Lumber Company, Limited, Winnipeg, Man., incorporated, capital \$1,000,000, to manufacture and sell lumber.

The A. D. Gall Petroleum & Chemical Company, Limited, Montreal, incorporated, capital \$200,000. A. D. Gall, of Westmount; C. J. Caron, of Montreal, and others.

E. N. Heney Company, Limited, Montreal, incorporated, capital \$200,000, to manufacture harness and saddlery. C. R. Hosmer, H. S. Holt, and others.

Deloraine Gas Company, Limited, Deloraine, Man., incorporated. R. A. Wylie, of Winnipeg; S. K. Colquhoun and F. L. Kilbourn, of Deloraine, and others.

Wood-Vallance Hardware Company, Limited, capital \$50,000, and Lawrence Hardware Company, Limited, capital \$50,000, incorporated at Victoria, B. C.

Flathead Valley Oil Lands Develop-

ment Company, Limited, incorporated by British Columbia Government, capital \$250,000.

British Columbia Foundry & Engineering Company, Limited, Victoria, B. C., incorporated, capital \$100,000. W. F. Bullen and others.

Elk River Coal & Oil Company, incorporated at Victoria, B. C., capital \$25,000.

BUSINESS NOTES.

F. H. Hopkins, James A. Rosevear and R. A. C. McNally have registered as proprietors of the business of F. H. Hopkins & Company, railway and contractors' supplies, Montreal.

George Newlands, a well known contractor, died in Kingston July 21st. Deceased was born in Frogieside, Banffshire, Scotland, on July 24th, 1827, and came to Canada when nine years of age. The first large building he constructed was the present Regiopolis College on King street, Kingston.

The Master Plumbers' Association of Canada, at their annual meeting in Toronto last week, elected the following officers: President, R. Ross, Toronto; Vice-President, A. J. Hammond, Winnipeg; Treasurer, F. G. Johnson, Ottawa; Secretary, I. G. Gordon; Presidents for provinces — Ontario, Henry Mahoney; Toronto; Quebec, W. J. R. Hughes; New Brunswick, Wm. Watson, Moncton; Manitoba, Jas. Mould, Winnipeg; British Columbia, J. Coughlin, Victoria. Legislative Committee—F. Bonhomme, Montreal (chairman.) Chairman Apprenticeship Committee—Wm. Harrison, Toronto. Sanitary Committee—William Clarke, Hamilton.

JOHN GALT, C.E.&M.E.

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

If Its

**WATERWORKS
PUMPING
ENGINES**

**FIRE
HYDRANTS**

OR

V AL V E S

for
Steam, Water, Gas
and
Radiation

Get Catalog and Prices of
THE KERR ENGINE COY
Limited
Walkerville - - Ontario

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

BLAST . . SLAG A MOLTEN FURNACE ROCK . . .

Cement Sidewalks, Road Foundation and Concrete Work

**STRONG AS STONE
CHEAP AS GRAVEL**

Doolittle & Wilcox, Hamilton, Ont.

Portland Cement..

ALL GRADES.

Write or Telegraph to

BELLHOUSE, DILLON & CO.

201-203 Coristine Building, St. Nicholas Street, Montreal

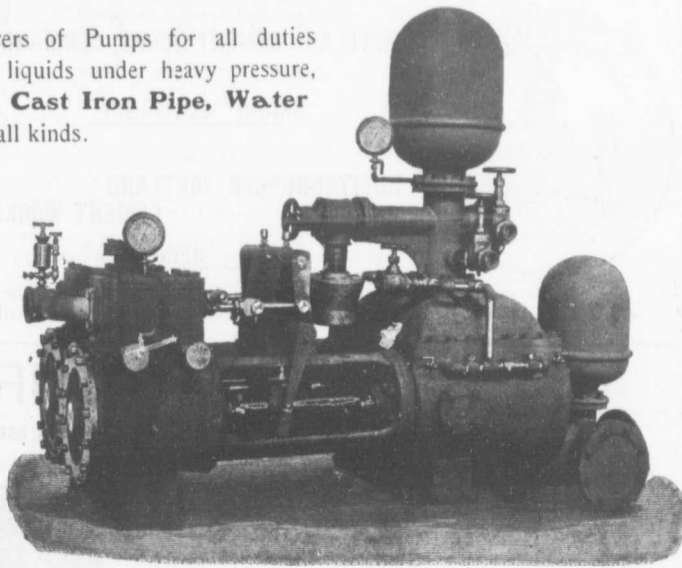
for prices---Large stock constantly
on hand.



Largest Makers in the World.

UNDERWRITERS' PUMPS

We are manufacturers of Pumps for all duties requiring the delivery of liquids under heavy pressure, **Valves, Hydrants, Cast Iron Pipe, Water Works Supplies** of all kinds.



STEAM BOILERS

—AND—

RIVETED STEEL

PLATE WORK

of every description.

CANADA FOUNDRY COMPANY, LIMITED

Head Office and Works: TORONTO, ONT.

District Offices: MONTREAL HALIFAX OTTAWA WINNIPEG VANCOUVER ROSSLAND

THOS. J. DRUMMOND
President

JAMES I. McCALL
Secretary-Treasurer

C. ED. GIDEWELL
Vice-President

Montreal Pipe Foundry Co., Limited

Special Castings
Flange Pipe
Branches
Hydrants
Valves



CAST IRON PIPE

Valve Boxes
and
general
Water
Works
Supplies.

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

Combined daily capacity:
175 Tons Pipes and Castings.

HEAD OFFICE CANADA LIFE BUILDING, MONTREAL

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

THE GARTSHORE-THOMSON PIPE & FOUNDRY CO. LIMITED.

Manufacturers of:::



CAST IRON PIPE

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

3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

~~~~~ HAMILTON, ONT ~~~~~

SIEVERS @ RAVENBORG, HAMBURG, GERMANY



Sole, Export Agents of the Famous PORTLAND CEMENT WORKS, GERMANIA Largest Cement Works in Europe

BRAND "GERMANIA"

Also of the BREITENBURGER PORTLAND CEMENT WORKS

BRAND "HERCULES"



We solicit enquiries and orders from Canadian Dealers and Contractors on these well known Cements. Orders accepted only when accompanied by letters of credit.

Prices of Building Materials.

Table listing prices for PRESSED BRICK, Per M. Includes items like Red No. 1, Buff No. 1, Brown, Roman Red, etc., with prices ranging from \$15.00 to \$40.50.

Table listing prices for DON VALLEY PRESSED BRICK WORKS. Includes items like No. 1 and 2 Buff Pressed Bricks, Romanian Red, etc., with prices ranging from \$10.50 to \$18.00.

Table listing prices for TORONTO PRESSED BRICK AND TERRA COTTA WORKS. Includes items like Red No. 1, Buff No. 1, Brown, Roman Red, etc., with prices ranging from \$10.50 to \$40.50.

Table listing prices for BEANSVILLE BRICK AND TERRA COTTA CO. Includes items like Red Peerless Facing, Buff Peerless, Roman Red, etc., with prices ranging from \$10.50 to \$40.50.

Table listing prices for TORONTO POTTERY CO. Includes items like Common Rubble, Large flat Rubble, Foundation Blocks, etc., with prices ranging from \$1.50 to \$11.00.

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.

Large table listing various building materials and their prices. Columns include item names, quantities, and prices in Montreal and Toronto. Items include Portland Cement, Granite paving blocks, Dimension stock granite, etc.

(CORRECTED UP TO JULY 26TH)