

CANADIAN Contract Record

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

This Paper Reaches Every Week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers, Purchasers of Municipal Debentures and Leading Contractors in All Lines Throughout Canada

VOL. 16.

TORONTO, MONTREAL — NOVEMBER 1, 1905 — WINNIPEG, VANCOUVER

No. 35

THE CANADIAN CONTRACT RECORD

PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Architect and Builder.

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

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

CONFEDERATION LIFE BUILDING, TORONTO
Telephone Main 2362.

Branch Offices:

36 Alliance Building, Montreal,
Telephone Main 2299.

730-731 Union Bank Building, Winnipeg.
Telephone 1274

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

22 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 pub-
lishers of any irregularity in delivery of papers.

Debentures for Sale

Sealed tenders will be received up to noon of
SATURDAY, NOVEMBER 11TH, 1905, for the
purchase of \$41,000 Local Improvement Debentures
of the Town of Oshawa, dated December
1st, 1905, bearing interest at 4½ per cent per
annum, and repayable at the office of the
Treasurer, Oshawa, in 30 equal annual instal-
ments of principal and interest.

The highest or any tender not necessarily
accepted.

THOS. MORRIS,
Town Clerk.

CONTRACTS OPEN.

ARTHUR, ONT.—It is probable that
an addition will be built to the High
school.

PINE, ONT.—The Pine Lumber Com-
pany purpose installing additional power
in their saw mill.

HOPEWELL HILL, N. B.—The
Church of England will shortly build a
new church here.

TILBURY, ONT.—Miss Sarah Gahan,
of Tilbury North, intends building on a
lot on Cathcart street.

TRURO, N.S.—The Town Council
will engage an engineer to report on a
waterworks system.

CALENDAR, ONT.—The Tema-
gami Lumber Company are building a
large saw mill here.

NORTH SYDNEY, N. S.—A com-
pany is being formed here for the purpose
of building a new rink.

PORT HOPE, ONT.—The Britannia
Paper Company will build a paper mill
here to cost about \$50,000.

PETROLEA, ONT.—The Council
will likely issue \$17,000 of debentures for
erection of a central school.

PHENIX, B.C.—Richard Armstrong

is working on a plan to erect a concentra-
tor in the Boundary district.

SASKATOON, N.W.T.—Hoge &
Thompson have asked the Council for a
franchise for electric lighting.

WINDSOR MILLS, QUE.—J. R.
Hebert is talking of building a two storey
summer hotel on Coney Island.

PEMBROKE, ONT.—The Town
Council are receiving tenders on pur-
chase of about \$34,000 of debentures.

CHIPPEWA, ONT.—The construc-
tion of a system of waterworks, to cost
about \$25,000, is under consideration.

SHERBROOKE, QUE.—The Cana-
dian Rand Drill Company contemplate
building a large addition to their works.

WOODSTOCK, ONT.—The Canadian
Bank of Commerce have decided to put
in the foundation for their new building
this fall.

WEST SHEFFORD, QUE.—Louis
Gauthier has been granted a franchise
for the construction of a waterworks sys-
tem here.

REVELSTOKE, B. C.—The Bow-
man Lumber Company intend making
extensive improvements to their saw mill
at Comaplix.

COLLINGWOOD, ONT.—The Col-
lingwood Furniture Company purpose
erecting new buildings and making other
improvements.

PETERBORO, ONT.—The Peterboro
Canoe Company are about to erect a
three-storey factory addition, 125 x 25
feet, cost \$4,000.

LONDON, ONT.—The Southwestern
Traction Company will shortly start the
surveys for an electric railway from this
city to Hamilton.

WELLAND, ONT.—The Council will
construct a ten inch water main to the
Cordage Company's works, at an esti-
mated cost of \$9,000.

NORTH BAY, ONT.—A proposi-
tion has been submitted to the Town
Council to erect a smelter here. John
Ferguson is interested.

FERNIE, B.C.—It is understood that
the Elk Lumber & Manufacturing Com-
pany have decided upon the plans for
their proposed saw mill.

PORTAGE LA PRAIRIE, MAN.—
John P. O'Leary, architect, has just taken
tenders on the steam heating and plumb-
ing of the Merchants' Hotel.

ST. BONIFACE, MAN.—The Do-
minion Government have purchased
property on south side of Provencher
avenue as a site for new post office.

RAINY RIVER, ONT.—The Town
Council are endeavoring to secure con-
trol of the river front for the purpose of
building a power house, docks, etc.

FONTHILL, ONT.—The Imperial
Bank of Canada have purchased a site on

corner of Front and South Pelham streets
on which to erect an office building.

KINCARDINE, ONT.—The pros-
pects are that C. P. R. will next spring
complete the road from Teeswater to this
town and connecting with Walkerton.

EAST TORONTO, ONT.—It is es-
timated that the proposed High school
will cost \$20,000 and the Council will be
asked to issue debentures for this sum.

TORONTO JUNCTION, ONT.—The
Canada Cycle & Motor Company have
started work on the erection of a brick
building for the manufacture of automo-
biles.

CRANBROOK, B.C.—Chicago capi-
talists have been examining the Bull
River Power Company's works with a
view of carrying the enterprise to com-
pletion.

SYDNEY, N. S.—The Harris Abat-
toir Company, of Toronto, have purchas-
ed a block of land between Pitt and
Prince streets, presumably for building
purposes.

BOUCK'S HILL, ONT.—George
Lane, Township Clerk, is asking for bids
by November 25th for purchase of ten
debentures of \$864.62 each, bearing 4½
per cent interest.

BRANTFORD, ONT.—A scheme is
on foot to erect a modern hotel facing the
new G. T. R. station. The name of Simon
James is mentioned in connection with
the project.

CHILLIWACK, B.C.—The Elk Creek
Water Company has been organized here,
to construct a waterworks system. The
Canadian Pipe Company, Vancouver, are
behind the project.

NEW GLASGOW, N. S.—Tenders
are requested by the Department of Rail-
ways and Canals, Ottawa, by Monday,
6th inst, for construction of an addition
to freight shed, a loading platform and a
crane at this place.

REGINA, N. W. T.—At a congrega-
tional meeting of the Methodist church
held last week, it was decided to procure
plans for a new edifice so as to commence
the work next spring.

ST. JOHN, N.B.—The Board of Trade
have appointed a committee to enquire
into the feasibility of the city obtaining
chief power from a near-by falls. Particu-
lars from H. B. Schofield.

CARMAN, MAN.—The Methodist
Church congregation have decided to
take immediate steps towards the erection
of a new church. Particulars from S. J.
Staples or H. Armstrong.

PRESQUE ISLE, ONT.—The by-
law granting exemption from taxation to
the Manning Wood Fibre Company, of
Toronto, was carried in the Township of
Sarawak last week.

ARNPRIOR, ONT.—The Montreal
Suspender & Umbrella Company have

purchased property on William street as a site for the shirt factory which they propose to erect here.

VALLEYFIELD, QUE.—Montreal capitalists are negotiating with Lewis Simpson to acquire a portion of the Northrop Iron Works with the object of converting it into a bag factory.

WOODSTOCK, N.B.—The late L. P. Fisher has bequeathed about \$200,000 for the establishment of a free manual and industrial training school which would also give instruction in agriculture.

WINDSOR, ONT.—John Davis has submitted a proposition to the Council to erect a building on Pitt street, to cost about \$20,000, for the use of the county officials who have offices in Windsor.

OTTAWA, ONT.—The Rideau Manufacturing Company have begun the erection of a four-story brick factory on north side of Albert street, between Metcalfe and O'Connor streets. Percy Sparks is manager.

WATERLOO, ONT.—The ratepayers will vote on a by-law on Monday, November 20th, to furnish a site and grant exemption from taxation to Charles Mueller, who proposes establishing a large coopeage plant.

QUEBEC, QUE.—The Dominion Government are about to erect an immigration and detention hospital costing \$60,000.—The contract will shortly be let for the construction of an elevator from Mountain Hill.

LACOMBE, N.W.T.—A by-law to provide \$5,000 to aid in the construction of a grist mill by Frank Danner will be submitted to the ratepayers on November 21st, also a by-law to raise \$3,000 for fire protection and sidewalks.

FORT FRANCES, ONT.—It is reported that the Rat Portage Lumber Company will build a large saw mill here next spring.—The plans of John Galt, C. E., Toronto, have been accepted for a sewerage system for this place.

STRATHCONA, N. W. T.—The Council will offer for sale \$38,000 of waterworks debentures.—P. Burns & Company, of Calgary and Vancouver, have acquired property here on which to establish stock yards and an abattoir.

FORT WILLIAM, ONT.—The Northern Engineer, Construction & Supply Company, capitalized at \$100,000, purpose locating here, the intention being to begin the construction of their plant next spring. Their solicitor is F. R. Morris.

STRATFORD, ONT.—Work will be commenced immediately on the new factory of the Dominion Thread Company. J. W. Siddall, of Toronto, is the architect.—It is understood that the interior of the post office is to be remodelled.

PETROLIA, ONT.—John McHattie, Town Clerk, will receive bids up to Monday, November 13th, for purchase of the following debentures: \$14,000, 4½ per cent. 30 year; \$6,143 18 4½ per cent. 20 year; \$14, \$21.92, 4½ per cent. 10 year.

GUELPH, ONT.—A civic deputation last week interviewed the Provincial Board of Health with reference to the proposed water filtration system. The Council favor a mechanical system, while the City Engineer recommends sand filtration.

KINGSTON, ONT.—F. C. Ireland, City Treasurer, invites bids up to Friday, November 3rd, for purchase of the following 4 per cent. debentures, payable semi-annually: \$20,000 30-year electric light debentures; \$2,000 15-year high school debentures.

EDMONTON, N.W.T.—Tenders are invited by the Department of Public Works, Ottawa, up to Saturday, November 11th, for erection of an Immigration Building here. Plans at the above de-

partment and on application of W. R. Wylie at the Dominion Lands Office.

NIAGARA FALLS, ONT.—A number of prominent residents have decided to organize a Good Roads Association. It is proposed to build a boulevard along the Niagara river from Lake Erie to Lake Ontario.—Tenders close to-day for erection of hospital building on Jepson street. E. D. Pitt, architect.

BEAVERTON, ONT.—The Council will ask separate tenders for construction of an intake at foot of John street and at river bank on Main street and a cement tank at corner of York and Simcoe streets.—The question of building a new town hall will probably be taken up at an early date.

BLACKVILLE, N. B.—The Department of Railways and Canals, Ottawa, are asking for tenders up to Monday, 6th inst., for repairing the Intercolonial Railway between Indiantown and this place. Plans at office of the Station Master here and at office of Engineer of Maintenance, Moncton, N. B.

NEW WESTMINSTER, B.C.—E. J. Fader will build a wharf and small warehouse on two water lots east of the Cleeve cannery.—The British Columbia Electric Railway Company will probably build a branch line from this city to the Fraser River saw mills, at an estimated cost of \$35,000.

MOOSE JAW, N. W. T.—The Canadian Bank of Commerce have been granted a permit for their new building on corner of Main and High streets. It will be 32 x 72 feet and cost about \$30,000.—The ratepayers have petitioned the Council to submit a by-law to raise \$30,000 for the extension of the electric light and waterworks systems.

VICTORIA, B.C.—F. M. Rattenbury, architect, is preparing plans for proposed children's ward in connection with General Hospital. Improvements to the heating apparatus of the hospital are also proposed.—The Western Canadian Ranching Company have purchased full control of the British Columbia Market Company and propose to make improvements to the Victoria and Vancouver establishments and to install cold storage plants.

HAMILTON, ONT.—The City Council will be asked to submit a by-law to the ratepayers to raise about \$60,000 for the construction of a sewerage system and disposal works for the annex.—Building permits have been granted as follows: J. Russel, brick residence, Leeming street, between Cannon and Barton streets, cost \$1,800; Charles Plant, brick residence, Birch avenue, between Cannon and Barton streets, cost \$2,000.—The Banwell-Hoxie Wire Fence Company, the Canadian branch of the McGregor-Bandell Company, of Adrian, Mich., will build a factory on Princess street, this city. Building operations will be commenced immediately.

WINCHESTER, ONT.—S. Larue, of Mountain Station, will receive tenders up to November 4th for construction of the Baldwin drain in Townships of Mountain and Matilda; estimated number of cubic yards to be excavated, 11,796. Plans at office of Dunn & Fullerton, engineers, this place, and Hugh Martin, Township Clerk, Hallville.—Tenders are invited by George Quart, Clerk Township of Winchester, up to Wednesday, November 15th, for purchase of nine debentures of \$256.67 each, five debentures of \$346 each and ten debentures of \$110.93, all issued for the construction of drains.

CHATHAM, ONT.—The Canadian Cordage Company, of Toronto, capitalized at \$250,000, propose to erect a factory here costing \$60,000. The directors include G. H. Campbell, J. P. Murphy and

William Mackenzie, of Toronto.—Peter Antuya is asking for tenders by Saturday, 4th inst., for supplying material, building a drainage wheel, wheel channels and dams, and removal and repair of pump house of the Dolson Creek Mechanical Drainage Works, Dover. Plans at office of J. W. Shackleton, C. E.—A permit has been granted for the Bank of Montreal's new building, which will be two stories, 48 x 64 feet, cost \$15,000.

VANCOUVER, B.C.—City Engineer Clements has reported that the cost of sewers for certain districts recommended by the Medical Health Officer would be \$289,000.—Plans are being prepared for a stone church to be built by the First Baptist congregation, of which Rev. J. W. Litch is pastor. The site selected is the corner of Nelson and Burrard streets and the cost will be about \$35,000.—The Vancouver Portland Cement Company, whose plant is situated at Todd Creek, Saanich Arm, purpose making improvements and additions which will double the capacity of the plant.—Colonel Anderson, of the Department of Marine and Fisheries, Ottawa, has announced that lighthouses will be constructed at Estevan Point, at the entrance to Nootka Sound; at Entrance Island, at the mouth of Quatsino, and at the entrance to Kyuquot Sound. The bar at Hesquiot will be buoyed.

MONTREAL, QUE.—The plans of Maurice Perrault, architect, have been accepted by The Catholic Board of School commissioners for the St. Eusebe school. They call for an expenditure of about \$45,000.—The Council have given notice of the intention to construct a sewer on Sherbrooke street, from Delorimier avenue to a point about 275 yards west.—The Department of Militia, Ottawa, have five sites offered them upon which to erect a permanent barracks in this city.—John F. Ryan, of New York, is promoting a project for the building of a new race track in this city.—Building permits have been granted as follows: Victor Levesque, Park Lafontaine, brick and frame dwelling, cost \$6,000; John B. Delorimier, Cedar avenue, two brick and stone dwellings, cost \$8,000; Galaineau & Racebe, St. Herbert street, three brick and frame dwellings, cost \$4,000; Royal Scot Armory, Montgomery street, brick and frame building, cost \$50,000.

WINNIPEG, MAN.—C. J. Brown, City Clerk, invites tenders up to Monday, November 6th, for supply of 20 tons of ½-inch pipe and 20 tons of ¾-inch pipe. Specifications at office of H. N. Rutan, City Engineer.—The Winnipeg Grain Exchange have appointed I. M. Ross, Robert Muir, Charles Gage, D. E. Sprague and J. J. Bettingen a committee to report upon the cost of the erection of a grain exchange building.—It is reported that the Independent Order of Foresters have under contemplation the erection of a magnificent building in this city. The site spoken of is the corner of Main street and Portage avenue.—It is understood that Drew & Campbell, of Detroit, are considering the erection of a first-class theatre in this city.—An agreement is said to have been reached for the erection of a union depot by the Grand Trunk Pacific and Canadian Northern Railways.—The City Solicitor has been instructed to prepare a by-law authorizing an expenditure of \$600,000 for a municipal gas plant.—The members of the First Baptist church have decided to build a new edifice in the vicinity of St. James Park.—The Dominion Government have purchased the north-east corner of Rorie street and McDermott avenue as the site for an examining warehouse to be built next year.—The City Clerk will receive tenders up to Tuesday, November 7th, for supply of a quantity of sewer pipe.—George Browne, architect, is tak-

Second Hand Plant

Immediate Delivery Subject to Prior Sale

- 1 1 3/4 yd. Vulcan Steam Shovel.
- 1 2 1/2 yd. Marion Steam Shovel.
- 1 1 3/4 yd. Bay City Steam Shovel.
- 1 1 1/2 yd. Beatty Steam Shovel.

◆ ◆ ◆

- 1 40 ton S. G. Locomotive with Tender.
- 1 45 ton S. G. Locomotive with Tender.
- 1 35 to 40 ton S. G. Locomotive with Tender.

◆ ◆ ◆

- 2 6 x 12 D.C., D.D. Beatty Hoisting Engines.
- 1 5 x 8 D.C., D.D. Monday Hoisting Engine.
- 1 8 1/4 x 10 Quick Hoisting Engine.
- 1 Clutch Hoist and Boiler for 5 to 6 ton load.
- 2 8 ton Guy Derricks.
- 1 1/2 ton Stiff Leg Derrick.
- 1 1 ton Stiff Leg Derrick.
- 1 1 1/2 ton Stiff Leg Derrick.
- 1 Extra Heavy Stiff Leg Derrick.

◆ ◆ ◆

- 2 Double Drum Horse Powers.
- 2 Single Drum Horse Powers.

◆ ◆ ◆

- 1 No. 3 Warrington Steam Pile Driver.
- 1 Pile Driver 35 ft. Lead.
- 1 Pile Driver 40 ft. Legs.

Also a number of pile driver hammers of different weights.

- 1 Sullivan Diamond Drill.
- 3 Mac Rock Drills.

◆ ◆ ◆

- 36 No. 3 K. & J. Wheel Scrapers.
- 80 No. 1 K. & J. Drag Scrapers.

◆ ◆ ◆

- 1 Sheffield Motor Inspection Car.

◆ ◆ ◆

- 2 10 ton Hydraulic Jacks.
- 2 20 ton Hydraulic Jacks.
- 6 Track Jacks.
- 4 Ratchet Jacks.
- 2 Bottle Jacks.

- 80 1 yd. Two-Way Dump Cars.
- 33 4 yd. Western Dump Cars.
- 4 Platform Cars with Tilting Frame
- 1 Tool Car.

◆ ◆ ◆

- 1 Drake Concrete Mixer.
- 1 Cube Concrete Mixer.
- 1 Continuous Concrete Mixer.

◆ ◆ ◆

- 1 No. 5 Gates Crusher.

◆ ◆ ◆

- 1 20 H. P. Vertical Boiler.
- 1 20 H. P. Locomotive Boiler.
- 1 12 H. P. Boiler.

◆ ◆ ◆

- 1 10 H. P. Shop Engine.
- 1 18 H. P. Waterous Traction Engine.

◆ ◆ ◆

- 1 6 x 4 x 6 Worthington Pump.
- 1 Beatty Cent. Pump, 10 in. Suct., 9 in. Disch.
- 1 Morris 6 in. Centrifugal Pump.
- 1 Cent. Pump, 12 in. Suct., 10 in. Disch.
- 1 Duplex Feed Pump.

◆ ◆ ◆

- 4 1 yd. Stuebner Buckets.
- 1 14 cu. ft. Stuebner Bucket.
- 2 Self Righting Coal or Concrete Buckets.

◆ ◆ ◆

- 1 50 H. P. Motor.
- 1 20 H. P. Motor.

◆ ◆ ◆

- 1 Williams Self Feeding Drilling Machine.
- 1 Shaping Machine, 18 in. Stroke.
- 1 Emery Wheel and Table.
- 1 Frame Workshop.
- 1 Sawing and Planing Outfit.
- 1 Ton Tool Steel.

◆ ◆ ◆

- 2 Wells Contractors' Lights.

◆ ◆ ◆

Also Rails, Frogs, Switches, Rail Benders, Track Tools, Etc., Etc.

If the above list does not contain what you want, let us know. We can get it for you.

W. H. C. MUSSEN & CO.

Railway, Mining and Contractors' Supplies

MONTREAL

ing tenders up to noon of 3rd inst. for additions and alterations to the second and third stories of the Canada Permanent Block, corner Main street and Portage avenue.—The Department of Marine and Fisheries have decided to build a steamboat for the use of officers of the Department employed on Lake Winnipeg; estimated cost, \$10,000.—The Finance Committee will recommend to Council that a by-law be submitted to the ratepayers to raise \$150,000 for hospital improvements, including a new morgue and other accommodation.—C.E. Kelpin, city quarry superintendent, states that about \$6,000 will be expended on the quarry property at Stoney Mountain. The foundation for the stone crushers will likely be commenced immediately.

TORONTO, ONT. — The Central Canada Savings & Loan Company have not yet reached a decision regarding the new building to be erected on the corner of King and Victoria streets. It has been rumored that negotiations were under way looking to the acquisition of the entire property facing on north side of King street, between Victoria and Yonge streets, with the object of erecting a new building covering the entire block.—A canvass is now being made for funds with which to enlarge the Home for Incurables.—The Board of Control are asking for tenders up to Tuesday, November 7th, for additions and alterations to the High Level pumping station, including excavation and masonry, steel and iron work, carpenter and joiner work, slating, galvanized iron work and painting and glazing. Plans at office of the City Architect, City Hall.—Tenders are also invited by the Board of Control up to 7th inst. for furnishing and erecting a return tubular boiler of 75 horse power for the Island pumping station. Plans at office of the City Engineer.—Several plans for the proposed new church on Spadina avenue for Knox Church congregation were submitted at a meeting held last week. The Building Committee will make a definite recommendation within a few days.—The City Engineer has reported to the Board of Control in favor

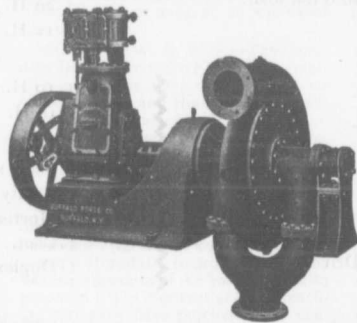
of the construction of either a swing bridge or a rolling lift bridge from the foot of Bathurst street across the western gap for the purpose of providing a street car route to the Island. The cost in each case would be about \$200,000.—The Stanley Gun Club have leased 40 acres of land on the Kingston road and will at once commence the erection of a club house.—Building permits have been granted as follows: Moses Hunter, grain elevator, Perth ave., near Bloor st., cost \$4,000; W. A. Young, alterations to brick dwelling, 143 College st., cost \$6,000 (C. J. Gibson, architect, Smallwood Bros., contractors); H. F. Saunders, two-storey stone, brick and cement dwelling, Wright ave., cost \$2,500; Devitt & Holt, 2½-storey brick and stone dwelling, corner

Markham and Herrick streets, cost \$5,500; Wm. Heap, three brick veneered dwellings, 281-5 St. Clarens ave., cost \$4,500; Mrs. Reid, 2 1-2-storey brick and stone dwelling, Palmerston ave., near Ulster, cost \$5,000; Samuel Stratford, pair 2-storey brick and frame dwellings, Radcliffe ave., cost \$2,500; M. Manley, two-storey and attic stone and brick dwelling, College st., near Gladstone, cost \$3,000; C. A. Brink, two-storey brick and stone factory, corner Dundas st. and Soho ave., cost \$12,000 (Gordon & Helliwell, architects); R. Laidlaw & Co., brick office, Dundas st., cost \$2,000; Fred Ingram, pair two-storey brick and roughcast dwelling, Tiverton ave., cost \$3,200; E. F. Leidy, four two-storey roughcast dwellings, Tiverton ave., cost \$6,000; H. Hut-

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**



Buffalo Centrifugal Pumps

for
Dry Docks, Sewerage
Hydraulic Dredging

Belted or Direct Connected
to Horizontal, Vertical, Marine, Simple or Compound
Buffalo Engines.

Write for Circular

The Canadian Buffalo Forge Co., Limited
MONTREAL, QUE.

The Good Roads Machinery Co., Limited, Hamilton, Canada
CHAMPION" Full Line of Road Making Machines. **THE VERY BEST** Send for Descriptive Catalogue and Record

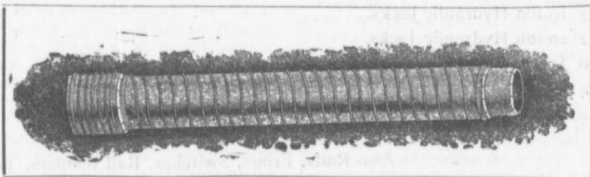
CANADIAN PIPE COMPANY VANCOUVER, B.C.

Phone 1642 P.O. Box 915

Some reasons why Wooden Pipe is replacing Iron Water Pipe—

Because it is half the price, more durable, easier handled, no frost breaks, no corrosion, no contraction

LIMITED

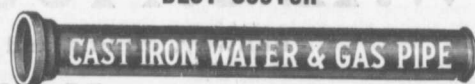


L. H. GAUDRY & CO.

DIRECT IMPORTERS AND AGENTS



SALT GLAZED VITRIFIED
SEWER PIPE
BEST SCOTCH MAKES



CAST IRON WATER & GAS PIPE

ALL WEIGHTS AND TESTS TO SUIT REQUIREMENTS.

Superior Quality

Large Stock

Prompt Shipments

OFFICES: HOCHELAGA BANK BUILDINGS

QUEBEC, CANADA

son, pair two-storey and attic brick residences, Dewson st., near Delaware ave., cost \$5,500; Thos. Walker, two-storey brick and stone dwelling, Boustead ave., cost \$3,000; Wilkins & Co., three pair two-storey brick dwellings, Albany ave., near Dupont st., cost \$12,000; A. Clubb, two-storey and attic stone and brick dwelling, Avenue Road, near Farnham, cost \$7,000; Wilkins & Co., two pairs two-storey and attic brick dwellings, Dupont st., cost \$8,000; Richard Reid, pair two-storey concrete, brick and roughcast dwellings, Jones ave., cost \$3,000; W. W. Hiltz, pair brick residences, 663-5 Broadview ave., cost \$4,000; H. Parr, three brick front and roughcast dwellings, Howie ave., cost \$4,200; Norman Baird, pair brick and stone dwellings, Bloor st. west, near Lansdowne, cost \$4,000; John Kee, two two-storey brick and stone dwellings, Birtle ave., cost \$5,000; John A. Alexander, pair brick and stone dwellings, 169 and 171 Roxborough ave., cost \$6,000; Sovereign Bank, alterations to offices, 28 King st. west, cost \$11,000.

CONTRACTS AWARDED.

WOODSTOCK, ONT.—Cement abutments for bridges over the canal and creek: McNeil & Bain, of Embro, contractors.

MOOSE JAW, N. W. T.—The Town Council have disposed of \$46,500 debentures to Aemilius Jarvis & Company, Toronto. This sum covers the expenditure for local improvements.

PETERBORO, ONT.—Oatmeal building and elevator for Peterboro Cereal Company: Brickwork, A. J. McPherson; carpenter work, McIntyre Bros.; lumber, The Dickson Company; brick, Curtis Bros.

ST. BONIFACE, MAN.—Senecak Smith is the lowest tenderer for erection of fire hall in Norwood, at \$11,119.—The contract for sewer on Provencher and Lillian avenues has been let to Dobson & Jackson, of Winnipeg, at \$1,800.

TORONTO, ONT.—The following tenders were received for hydrants for high pressure water works system:—Canada Foundry Company, \$122.50 each; A. P. Smith Manufacturing Company, \$124.55; Canada Iron Works, \$150.50; Glenfield & Kennedy, \$378.14; M. & L. Samuel, Benjamin Company, \$135.

WATERLOO, ONT.—The Town Council received tenders for supply of hose wagon and fire appliances from Darch & Company, Smith Bros. and Hugh Cameron & Company, all of Toronto. The tender from H. Cameron & Company, representing the Seagrave Co., of Walkerville, has been accepted.

NIAGARA FALLS, ONT.—New Sunday school building at St. Andrews Presbyterian church: Masonry, G. A. Lockhart, \$2,300; carpenter work, Jacob Lovell, \$2,425; plumbing and heating, Cole & McMurray, \$900; painting, John Worthington, \$299.

JOHN GALT

C. E. and M. E.

CONSULTING ENGINEER
and EXPERT

SPECIALTIES:
WATERWORKS, SEWERAGE
AND ELECTRIC LIGHT

Chief Assistant Engineers:

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

23 Jordan Street TORONTO

JOHN S. FIELDING

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

CONSULTING ENGINEER.

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

Quick Delivery of HOISTING ENGINES

We have them complete ready for immediate shipment, and others in all stages of construction which can be finished on short notice. If you need a Hoisting Engine drop us a line.

MARSH & HENTHORN Belleville, Ont

WINNIPEG, MAN.—McLeod & McLean have been awarded the contract for erection of new racing stables at the Kirkfield track, to be 288 feet by 30 feet.

GANANOQUE, ONT.—The following tenders were received by the Town Council for purchase of debentures: Wm. C. Brent, \$32,759; G. A. Stimson & Co., \$33,023; H. O'Hara & Co., 95 5-100 p.c.; Dominion Sec. Corp'n, \$33,309; Canadian Sec. Co., \$33,409 (accepted).

The Canadian Fairbanks Company, Montreal, will shortly issue the first section of their new supply catalogue, which will be devoted to pipe and steam fitters' tools.

J. G. White & Company, incorporated, announces that it has secured as superintendent of masonry construction Mr. James C. Hain, who resigns as engineer of masonry construction from the Chicago, Milwaukee & St. Paul Railroad.

The Pratt & Whitney Company, of Hartford, Conn., have purchased a plant in Dundas, Ont., for the manufacture of its full line of small tools, taps, reamers, milling cutters, punches, dies, etc. The building is a modern structure and the power plant is already in place. The machinery equipment is being gotten ready and will be sent there and operations begun immediately. This plant will include a department for manufacturing

BEAMS AND GIRDERS

For municipal bridge, concrete and general construction work a great

ECONOMY

can be effected by using seconds

GIRDER RAILS

Write us for prices.

Also Scotch Derricks, Hoisting Engines, Stone Sawing Frames and Contractors' Machinery.

ST. LAWRENCE SUPPLY CO., Limited
42 Seven Street, MONTREAL

a full line of twist drills, an elaborate equipment of special machinery having been purchased for this purpose. The output of this new factory will be handled by the Canadian Fairbanks Company, Limited, who will have the exclusive agency for Canada.

WATER WASHED SAND

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

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

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

CONSIDER :

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

THE BITULITHIC PAVEMENT

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

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

McGREGOR & McINTYRE, LIMITED

67 to 91 Pearl Street, Toronto, Ont.

STRUCTURAL IRON WORKS

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

SOLE AGENTS FOR DUPLEX HANGERS

WRITE FOR ESTIMATES.

The IMPERIAL CEMENT CO.

LIMITED

OWEN SOUND, ONT.

Makers of the Celebrated

Imperial Portland Cement

The Newest

Our sales of these Concrete Moulds for the past 2 years have been unprecedented.

We are now selling them all over the U. S. and enquiries are coming in from British Colonies as well.

Get our prices.

Sawyer & Massey,
ROAD MCH. DEPT.

Hamilton, - - - Ontario



NEW COMPANIES.

Dominion Engineering and Construction Company, Limited, Montreal, capital \$100,000. Promoters, V. E. Mitchell, E. F. Surveyer, C. M. Cotton, J. W. Weldon and S. J. LeHuray.

W. C. Wilcox, Limited, Winnipeg, Man., incorporated, capital \$200,000, to manufacture and deal in machinery, engines, boilers, etc.,

City of Winnipeg Power Association, Winnipeg, Man., incorporated, capital \$100,000, to generate and transmit electric power. Promoters, J. H. Ashdown, John Arbutnot, Alex. MacDonald, D. W. Bole and R. T. Riley.

Opemican River Improvement Company, Limited, Hawkesbury, Ont., incorporated, to construct dams, slides, booms, etc. Directors, W. C. Edwards, H. K. Egan, Hiram Robinson and others.

Ruethel Mining Company, Limited, Windsor, Ont., incorporated, capital \$50,000. Directors, W. A. Thorpe and H. C. Rees, of Detroit, and others.

Thorn Plumbing Company, Limited, Toronto, incorporated, capital \$20,000, to

JOSSON CEMENT

Is the Highest Grade Artificial Portland Cement and the Best for High Class Work. Has been used largely for Government and Municipal Works.

TO BE HAD FROM ALL CANADIAN DEALERS OR FROM

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

ROGERS SUPPLY CO.**CRUSHED STONE**

ALWAYS ON HAND

for Cement Sidewalks, Road Foundation and Concrete Work

Head Office: 3 KING STREET EAST

Phone Main 4155

TORONTO

YARDS

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

Canadian White Company, Limited

SOVEREIGN BANK BUILDING, MONTREAL, CANADA

ENGINEERS AND CONTRACTORS

FOR

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

CORRESPONDENTS

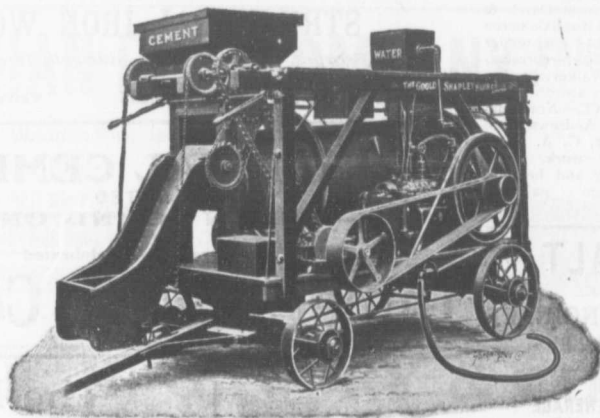
J. G. WHITE & COMPANY, INC.,
New York City

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

WARING-WHITE BUILDING CO.,
London, England

Ideal Automatic Concrete Mixers

The Only Successful Automatic Mixer Made



We also manufacture **Windmills, Tanks and Towers**
for Waterworks, Fire Protection, Etc.

WE INVITE CORRESPONDENCE

GOOLD, SHAPLEY & MUIR COMPANY, LIMITED
BRANTFORD, CANADA

carry on a general plumbing business. Directors, J. H. Thorn, F. W. Jenkins, A. J. Jackson, F. B. Garbutt and A. J. Lafay.

Waltham Cabinet Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture cabinets, shop fittings, etc. Directors, John Morrison, Frank Shepster and R. H. Clark.

Majestic Oil Company, Limited, Toronto, incorporated, capital \$100,000. Directors, G. L. Lovejoy, T. H. Graham, and others.

Standard Ideal Company, Limited, Port Hope, Ont., incorporated, capital \$500,000, to manufacture enamelled ware, plumbers' supplies, water pipes, etc. Directors, H. T. Bush, A. E. Pipher, P. L. Bush and A. M. Pipher.

Imperial Silver Mining Company, New Liskeard, Ont., incorporated, capital \$50,000. Directors, Murdoch McLeod, Herbert Bennett, A. J. Morgan and others.

Electric Meter & Stamping Company, Toronto, incorporated, capital \$200,000, to manufacture electric, water and gas meters, electric supplies, etc. Directors, Anthony Crane, William Bullock, John Creighton, F. Sinclair and George Kirwin.

Haldimand Natural Gas Company, Limited, Dunnville, Ont., incorporated, capital \$40,000. Directors, R. A. Harrison, F. J. Ramsey and F. R. Lallor.

D. B. Martin, Limited, Toronto, incorporated, capital \$200,000, to construct abattoirs and cold storage plants. Directors, Robert McKay, Andrew Dods, and others.

Peterboro Sandstone Brick Company, Limited, Peterboro, Ont., incorporated, capital \$50,000, to manufacture bricks and other building materials. Directors, J. J. English, Andrew Brown, Robert Hartstone, J. J. Hartley and E. S. Clarley.

Long Lake Lumber Company, Limited, Toronto, incorporated, capital \$40,000, to manufacture lumber, shingles, etc. Directors, Alex. Mills, of Toronto, G. W. Hulbert, of Novar, Ont., and others.

Niagara Engine Works, Limited, Niagara-on-the-Lake, Ont., incorporated, capital \$50,000, to manufacture gas and gasoline engines, etc. Directors, E. R. Lundy, of Niagara Falls, J. A. Keyes, of St. Catharines and others.

The Superior Portland Cement Company, Limited, has been authorized by letters patent to manufacture and sell in Ontario Portland cement, fire bricks, sewer pipes, stone, etc. The head office has been changed from Toronto to Orangeville.

Liskeard Brick, Coal & Lumber Company, Limited, Toronto, incorporated, to manufacture and deal in bricks, tile, lumber, etc. Directors, M. R. Jennings, J. H. Woods and H. J. Martin, all of Toronto.

Chester Silver Mining Company, Limited, New Liskeard, Ont., incorporated, capital \$25,000. Directors, J. A. Pritchard, A. V. Summers and others.

Economy Powder Company, Limited, Ottawa, incorporated, capital \$10,000. Directors, J. T. Embree, A. W. Heim, and others.

Colonial Cordage Company, Toronto, incorporated, capital \$50,000. Promoters, W. B. Converse, C. O. Pangman and S. I. LeHurry, of Montreal, and others.

Meyer-Thomas Company, Limited, Montreal, incorporated, capital \$100,000, to manufacture boxes, etc., and to operate saw and planing mills. Promoters, N. A. Meyer, of Granby, Que., J. W. Thomas, of Montreal, and others.

Alexandar Oil and Developing Company, Toronto, incorporated, capital \$100,000. Directors, A. R. Boswell, Joseph Montgomery, J. G. Shaw, H. W. Edgar and A. McGlashan.

Alberta Portland Cement Company, Limited, Toronto, incorporated, capital \$100,000, to establish cement works at Calgary, Alta. Promoters, E. T. Malone, J. W. Mitchell, J. A. Fraser, of Toronto, R. P. Butchart, of Owen Sound, and others.



Robnison's Patent Moulds

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

Climax Road Machine Co., Hamilton, Canada

Phone No.: PARKDALE 1809.

Post Office and Telegraph Address: SWANSEA.

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



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

**- VITRIFIED SALT GLAZED -
SEWER PIPES**

Price Lists and Discounts on Application

In Sizes from 4 Inches to 24 Inches

PORTLAND CEMENT.

SEWER PIPES

FIRE BRICKS

FIRE CLAY

ALEX. BREMNER

50 Bleury Street, MONTREAL



KERR'S WATERWORKS VALVES

Are tested to 300 pounds hydraulic pressure before being stocked. They are of good substantial weight and design, and can be relied upon.

Write for catalogue, and we will tell you more about them.

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

The Toronto Pottery Company, Ltd.
Toronto, Ontario

Manufacturer and Jobbers of

Contractors' Supplies

Fire Brick, Paving Brick,

Portland Cement, Sewer Pipe

Write for prices

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

John J. Gartshore
83 Front St. West,

(Opposite Queen's Hotel.) TORONTO

T. A. Morrison & Co.

PURVEYORS TO

Municipal
Corporations
Architects.
Engineers
Mines
Railway

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

CONTRACTORS

204 St. James Street
MONTREAL

ELECTRICITY

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

Canadian Electrical News and Engineering Journal

A 44 PAGE MONTHLY.

PRICE \$1 PER YEAR

Write for free sample copy to

The G. H. Mortimer Publishing Co.
LIMITED

Toronto Montreal Winnipeg Vancouver

WATER SUPPLY APPLIANCES

For Corporations, Municipalities, Villages,
Residences, Etc.
Sprinkler Systems a Specialty.



Wood and Steel Tanks,
Steel Substructures.

Windmills, Pumps, Gasoline Engines,
Hydraulic Engines, Etc.

ONTARIO WIND ENGINE AND PUMP CO., LTD.

WINNIPEG TORONTO MONTREAL

THE ONTARIO ASPHALT BLOCK CO., L'TD.

MANUFACTURERS OF

ASPHALT BLOCK PAVING

Information and samples furnished municipalities on application.

Main Office: WINDSOR, ONT.

Works: WALKERVILLE, ONT

NO PATENTS! NO MONOPOLY! NO EXORBITANT PRICES!

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

MASSILLON STONE & FIRE BRICK CO.,

Wm. G. HIPP Gen. Mgr.

Massillon, Ohio, U. S. A.

Owning and Operating
DUNDAS QUARRY
RYMAL QUARRY

Daily Capacity
1,000 TONS
250 TONS

Operating
SLAG QUARRY,
EAST HAMILTON

Daily Capacity
500 TONS

DOOLITTLE & WILCOX, LIMITED

Crushed Stone and Slag

For Cement Sidewalks, Road Foundation and Concrete Work

Head Office: TRADERS BANK BUILDING.

Hamilton, Ont.

Lafarge (NON-STAINING) Cement

For Setting, Pointing and Backing Limestone, Granite or Marble,

where freedom from discoloration is desired—Send

for Descriptive Catalogue.

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

F. HYDE & CO.,

King, Queen and Wellington Sts. - MONTREAL

The Cement used in the

Croton Dam

—the largest dam in the world—is the Old Reliable

"GIANT."

The Cement used for the

New York Subway

—more than 1,000,000 barrels—is the Old Reliable

"GIANT."

The Cement used for the

Pennsylvania Railroad Terminal and Tunnels

—and 2,000,000 barrels will be needed to complete this work—is the Old Reliable,

"GIANT."

The first Cement ordered for the

Panama Canal

—the 1905 supply—calls for the Old Reliable

"GIANT."

If it's "good enough" for these works, isn't it good enough for you?

Our Booklet, "The Test of Time," is yours for the asking.

KENNEDY STINSON & CO.

CANADIAN DISTRIBUTORS

207 Wellington Street

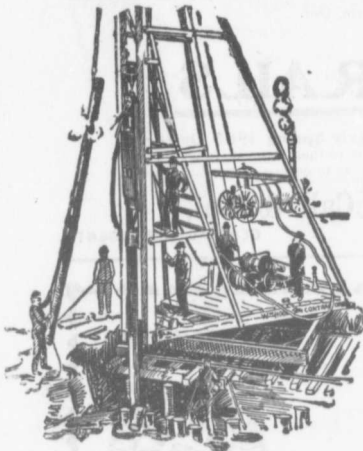
MONTREAL, QUE.

The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF RAILWAY AND HIGHWAY BRIDGES

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



Pile Driving

on land or water by Steam Pile Drivers or Drop Hammers.

Portable Boilers, Hoisting Engines, Pumping Machinery To Let—Bridge Building, Trestle Work, Wharves, Dams, Diving Submarine Work and General Contracting.

WM. HOOD & SON
10 Richmond Sq. - MONTREAL

CANADIAN EMPLOYMENT AGENCY

Licensed Labor Contractors
182 1/2 St. Antoine Street . . .
MONTREAL
All classes of labor, skilled and otherwise supplied at short notice.
Special attention given to gangs for construction, lumber camps, etc.
All Orders given Special Attention.

The Ontario Accident Insurance Co.

ACCIDENT, EMPLOYERS, ELEVATOR AND GENERAL LIABILITY

104 St. Francois Xavier St Montreal

DEBENTURES

. . Bought and Sold . .

G. A. STIMSON & CO.

15 and 16 King Street West - TORONTO

HEADQUARTERS FOR

Pig Lead, Pig Tin, Solder, and Manganese Anti-Friction Babbitt Metal.

Syracuse Smelting Works
Montreal, Que.

M. BEATTY & SONS LIMITED

WELLAND, ONT.

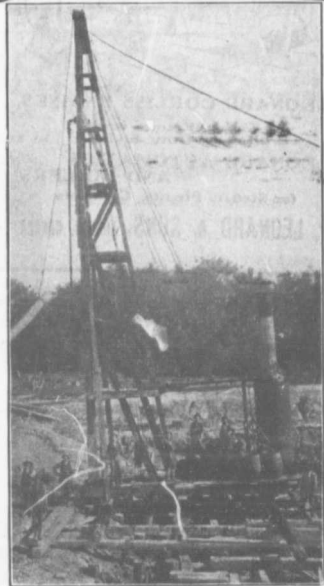
DREDGES, DITCHERS, DERRICKS

Steam Shovels, Submarine Rock Drilling Machinery, Mine Hoists, Contractors' Machinery

HOISTING ENGINES

Centrifugal Pumps for Water and Sand, Stone Derricks, Clam Shell Buckets, Coal Tubs, Concrete Tubs.

Please mention this paper when corresponding with advertisers.



PILE DRIVING

and Foundation Work.

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

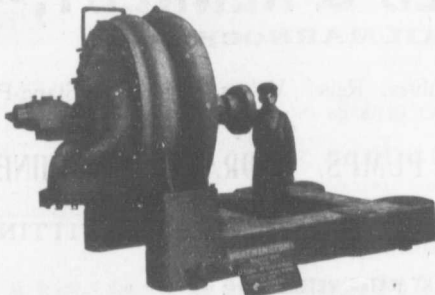
BUILDING MOVER AND WRECKER

General Contracting.

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

WORTHINGTON PUMPS

FOR WATER WORKS SERVICES



"WORTHINGTON" TURBINE PUMPS

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

WE ALSO MANUFACTURE

Boilers, Tanks, Filters
Etc.

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

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

The John McDougall Caledonian Iron Works Co.,

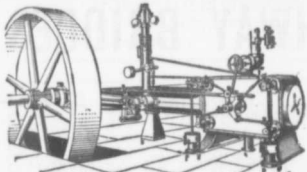
ESTABLISHED 1852

Montreal.

Limited.

Speight & Van Nostrand

LAND SURVEYORS, ETC.

Room 405 Temple Building, TORONTO, CAN
Field Notes of the late W. F. Passmore.**LEONARD CORLISS ENGINES**Girder Frame and
Heavy Duty Styles**LEONARD AUTOMATICS
AND BOILERS**

for Steam Plants, Complete

E. LEONARD & SONS, LONDON, CANADA**SAMSON CEMENT**

MANUFACTURED BY

THE OWEN SOUND PORTLAND CEMENT COMPANY, LIMITED
Owen Sound, Ont.Works at *SHALLOW LAKE, ONT.*

Write us for prices

The **ALGOMA STEEL COMPANY, Limited**
Sault Ste Marie, Ont.

Is now booking orders for

STEEL RAILSFor late Summer 1905, and Early Spring 1906 Delivery.
Parties intending purchasing will find it to their interest to let us have
their specifications at an early date so as to ensure desired deliveries.**Drummond, McCall & Co.,**

OFFICE: Canada Life Building, MONTREAL

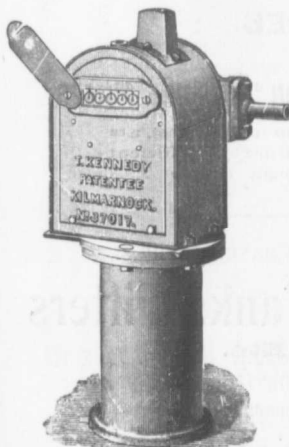
GENERAL SALES AGENTS

One Grade**"The Cement of Quality"****The Highest****NATIONAL
PORTLAND
CEMENT**Acknowledged by competent Architects and Engineers to be unequalled for fine-
ness, wonderful development of strength and sand carrying capacity.**THE BEST IS THE CHEAPEST****The National Portland Cement Company**

Limited

Toronto Sales Office: 22 James Building

Head Office and Mills: DURHAM, ONTARIO



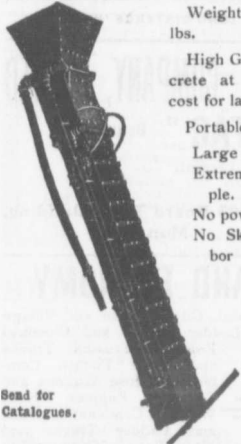
Water Meter.

GLENFIELD & KENNEDY, LTD
KILMARNOCKSluice Valves, Air Valves, Relief Valves, Hydrants, Stand-Posts
AND ALL CLASSES OF WATER FITTINGS**ACCUMULATORS, PUMPS, HYDRAULIC MACHINERY****PENSTOCKS, FLUSHERS, SEWERAGE FITTINGS**

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

ASHLEY'S PATENT DEEP-WELL PUMPSCanadian Representative: **JOHN T. FARMER,**
Coristine Building, Montreal

THE PORTABLE GRAVITY CONCRETE MIXER



Weight about 500 lbs.

High Grade Concrete at very low cost for labor.

Portable.

Large capacity. Extremely simple.

No power used No Skilled Labor

Continuous in action.

Send for Catalogues.

Other Mixers and Concrete Mixing Machinery

E. F. Dartnell
Montreal

J. HARVEY

CONTRACTOR
PETROLIA, ONT.

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



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

REFERENCES GIVEN

MACHINE BANDED WOOD STAVE WATER PIPE



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

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

W. & F. P. CURRIE & CO.

345 St. James St., Montreal

Importers of

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



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

FAIRBANKS HYDRANTS AND WATER VALVES

Valve Boxes
Indicator Posts
Pipe and Fittings
Waterworks Supplies

Send for Circular describing our Improved Fire Hydrant as shown in cut.

The Canadian Fairbanks Co., Limited
MONTREAL TORONTO VANCOUVER WINNIPEG



The Business Office of

RAVEN LAKE PORTLAND CEMENT CO.

Limited

Has been Removed to the Works, RAVEN LAKE, ONT.

Long Distance Telephone : RAVEN LAKE, ONT.

Telegraph Address : VICTORIA ROAD, ONT.

Post Office Address : VICTORIA ROAD, ONT.

Sewer Castings.
The Miller Automatic Syphon.
Special Design Man Hole Tops.
Septic Tanks, Sewerage for
Private Residences, &c. Write
Y. HILL
P.O. Box 245 - - Niagara Falls, Ont.

Notice to Contractors.

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

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

Manufacturers of
**"HERCULES" BRAND OF
PORTLAND CEMENT**
Very finely ground. Unsurpassed for Side-
walks, 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.

The
SOLAR SPECTRUM
alone is richer than the
ACETYLENE

A prominent Montreal busi-
ness man who has recently
installed one of our

ECLIPSE GENERATORS

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

—◆—◆—
LET US QUOTE YOU
—◆—◆—

The Continental Heat &
Light Co.
MONTREAL

Blue Lake Brand Portland Cement

MADE BY

THE ONTARIO PORTLAND CEMENT Co. LIMITED.
HEAD OFFICE: BRANTFORD, ONT. LONG DISTANCE PHONE 194

THE CANADIAN PORTLAND CEMENT COMPANY, LIMITED

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

The Leading Canadian Portland Cement.

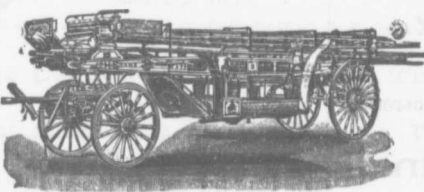
SALES OFFICES:

310-312 Front Street, West,
Toronto.

202-203 Board 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

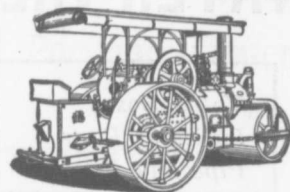


Engines, Trussed Trucks and Hand Pumps, Com-
bination Hose Wagons and Chemical Engines, Hose
Wagons, Combination Hook and Ladder Trucks and
Hose Wagons, Chemical En-
gines, Fire Extinguishers,
Hose Reels, Patrol Wagons,
Ambulances, Specialty Wag-
ons, Patent Sleigh Runners,
and other Modern Fire Fight-
ing 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



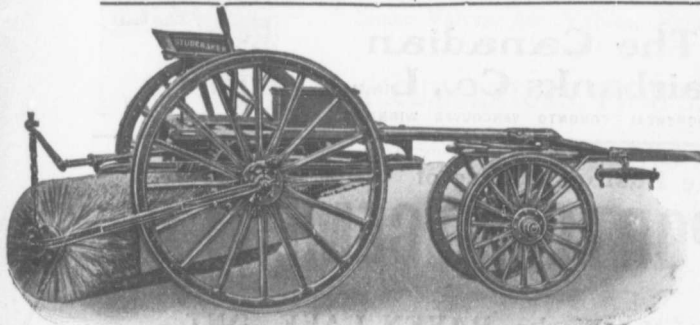
FIRE ENGINES in five sizes,
with a full line of fire-
fighting goods

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, 73 Queen St. West,
Manning Chambers, **TORONTO**



Stackpole
Patent Improved

Street Sweeping Machine

Is the Standard
of Perfection

Because no sweeper so effectually does the work for which it is designed as "The Studebaker."
It Sweeps Clean. No sweeper is constructed with the same degree of care and mechanical pre-
cision. 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.



Studebaker Sprinkler

(PATENT IMPROVED.)

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

We also make an . . .

IMPROVED VERTICAL SPRAY

for Pavements.

Geo. Heaman, Mnfr., London, Ont.

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



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

STONE For Street Kerbing and Crossings. . .
 Write for Prices.
Credit Valley Freestone Quarry Co.,
 Glenwilliams, Ont.
 Toronto Office, 358 Yonge Street
 Long Distance Phone M 507.

WE WILL BOND YOU



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

Write for Particulars

THE UNITED STATES FIDELITY & GUARANTY CO.
 6 Colborne Street, Toronto
 A. E. KIRKPATRICK, Canadian Manager

Please mention the **CONTRACT RECORD** 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.

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

STEEL BRIDGES

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

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

STANDARD INSPECTION BUREAU, LIMITED
OF CANADA

Expert Examination and Tests of Material and Workmanship.
 Inspection of Steel Rails and Fittings, Cars, Locomotives,
 Bridges, Cast Iron Pipes, Etc.
 Chemical Analyses and Physical Tests made.

Head Offices: 23 Jordan Street - TORONTO, ONT.
 Telephone Main 3488.

PORTLAND CEMENT

T. M. Morgan

Manufactures the

CRESCENT AND DIAMOND BRANDS

AS GOOD AS THE BEST FOR ANY PURPOSE

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



"Lehigh" Portland Cement

Capacity 11,000 Barrels Per Day.

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

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

The Locomotive and Machine Company
OF MONTREAL, LIMITED

NEW YORK OFFICE:
 111 BROADWAY
 N.Y.

Structural Steel

WORKS:
 LONG POINT
 MONTREAL

FOR ALL PURPOSES

BRIDGES

NEW AND SECOND HAND CONTRACTORS' LOCOMOTIVES

STEAM SHOVELS

Principal Office: Imperial Bank Building, MONTREAL

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

WILLIS CHIPMAN

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

E. VON DER OSTEN & CO.,
Consulting Engineers

Industrial Plants. Waterworks.
Lighting and Power Plants
Sewerage and Sewage Disposal
Garbage Reduction Plants
Municipal Improvements
Roncesvalles Ave. & High Park Road,
TORONTO, ONT.

Cable: Ackcoll

J. J. COLLINS
B.A.S., C.E., M.E., E.E.

Consulting Engineer
Ottawa, Ont., Canada

LEA & COFFIN
and H. S. FERGUSON
ENGINEERS

Waterworks, Sewerage, Water Powers
Pulp and Paper Mills

Cristine Building - MONTREAL

Paving Granite

Granite Sets for Street Paving. —CURBING cut
to any shape ordered. — Fine Rich Colors for
Building and Monumental Purposes.
Quarries, St. Phillippe d'Argenteuil, P.Q.

Address all communications to

JOS. BRUNET - COTE DES NEIGES, MONTREAL

Please mention this paper when cor-
responding with advertisers.

John H. Jackson

CIVIL ENGINEER

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

RODERICK J. PARKE

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

CONSULTING ELECTRICAL ENGINEER.

Electrical Light and Power.
Steam Plants, Gas Power Plants, Water
Power Plants.
Estimates. Tests. Reports. Valuations.
52-53 James Building - TORONTO, CAN.
Long Distance Telephones—Office and Residence
Cable Address "Rodparke" (W. U. Code.)

A. W. CONNOR

B.A., C.E., (Tor.) A. Mem. Can. Soc. C. E.

STRUCTURAL ENGINEER

Fireproof Steel Office and Mill Buildings,
Bridges, Towers, &c. Reinforced Concrete,
CEMENT TESTING LABORATORY
36 TORONTO ST. TORONTO, ONT

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

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

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

CEMENT WALKS

Built in 40 Towns and Cities with entire satis-
faction. Write us for information and price.

FOREST CITY PAVING COMPANY,
B. V. HOLE, MANAGER LONDON, 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

P C A N A M L A**"FACTS are better than ASSERTIONS"**

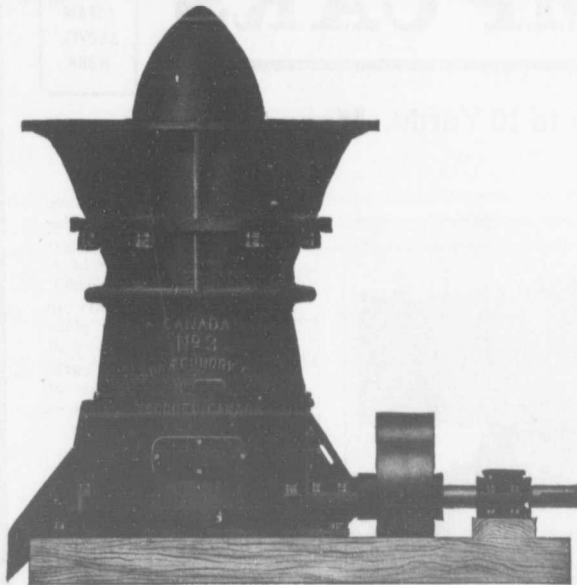
The Isthmian Canal Commission wisely demanded a special quality cement for the Panama contract let May, 1905. The sea water clause, while necessary to insure the work, was undoubtedly severe. One of the largest American Companies tied the bid of Alsen's. The Government awarded the contract to Am. Alsen's in preference, at equal figures. The bids are on record at Washington. Alsen's product has always been recognized as of higher average quality than any other brand. It is ultra high grade and a more practically portland. It has become known as the "absolutely safe cement."

Over 40 years experience catering to Engineers of all countries and superior raw material should count for something.

*"Most cement is good at times."**"Many cements are usually good."**"ALSENS—ALWAYS"***ALSEN'S - 45 Broadway, NEW YORK**

A Cement which matures slowly is stronger ultimately, but we gladly furnish quick setting when specified

ROCK CRUSHER



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

Send for Bulletin No. 31

CANADA FOUNDRY CO., Limited

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

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

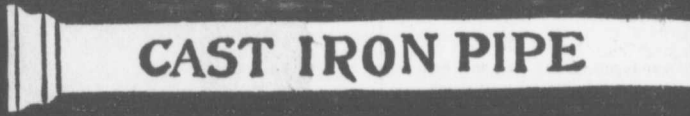
THOS. J. DRUMMOND, President.

JAMES I. McCALL, Secretary-Treasurer.

C. ED. GIDEWELL, Vice-President.

Montreal Pipe Foundry Co., Limited

Special Castings
Flange Pipe
Branches
Hydrants
Valves



Valve Boxes and general Water Works Supplies

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

Combined daily capacity
175 Tons Pipes and Castings.

HEAD OFFICE CANADA LIFE BUILDING,

MONTREAL

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

THE GARTSHORE-THOMSON PIPE & FOUNDRY CO. LIMITED.

Manufacturers of

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



3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

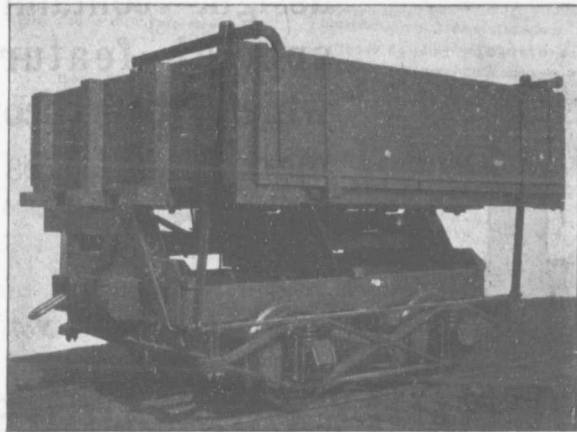
HAMILTON, ONT.

FOR
HAND
WORK

DUMP CARS

FOR
STEAM
SHOVEL
WORK

All Sizes up to 10 Yards. Many Styles



Our **DUMP CARS** are unquestionably superior both in material and workmanship to any cars heretofore manufactured. Latest improvements in method of operating place our car far in advance of all others. All working parts are made throughout of wrought steel. All parts of each are interchangeable.

**ONE AND TWO-WAY
DUMP CARS**

FOR PROMPT DELIVERY

Extremely Low Prices
Sent on Application

STEEL ORE CARS

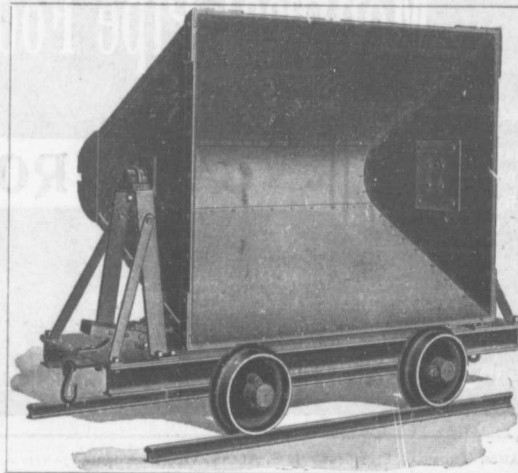
All Styles

All our **ORE CARS** are very carefully and substantially built throughout. The boxes are made of best quality of Steel Plates, very strong for their weight and properly balanced. Heavy Cast Iron Wheels, chilled on the face and with full web centre.

We are prepared to furnish Ore Cars of any style, and box of any size, and for any gauge track, and will furnish estimates on receipt of specification.

ALSO

**SMALL CARS OF ALL
KINDS**



WRITE FOR CATALOGUE

F. M. Hopkins & Co.

Successors of the Late James Cooper
MONTREAL

Dunn Bros. & Company, Winnipeg Agents