

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. 17.

TORONTO, MONTREAL — APRIL 11, 1906 — WINNIPEG, VANCOUVER

No. 6

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

As an intermediate Edition of the Canadian Architect and Builder.

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

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

CONFEDERATION LIFE BUILDING, Toronto
Telephone Main 2364.

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

720-721 Union Bank Building, Winnipeg.
Telephone 1274.

Davis Chambers, 615 Hastings St., Vancouver,
B. C. Telephone 2248.

Subscribers who may change should give prompt notice of same, giving both old and new address. Notify publishers of any irregularity in delivery of papers.

If we were not fully prepared with the most eminent counsel to support our basic patents, the tried and proven excellence of our road in points where other roads fail would not count. An agent holding our permanent contract has a valuable property. Our literature and terms to agents on application. Address
THE NASH ROAD,
Borough of Brooklyn, New York City.

TOWN OF INDIAN HEAD PROVINCE OF SASKATCHEWAN

TENDERS FOR WATER WORKS AND SEWERAGE

Contract "A"—All labor necessary for constructing the water works, supply main and distribution system and certain materials therefor.
Contract "B"—All labor for constructing sewerage system and certain materials therefor.
Contract "C"—All labor and materials for constructing a reservoir and dam at the Squirrel Hills.
Contract "D"—Supplying wood pipe and special castings and valves for wood pipe.
Contract "E"—Supplying cast iron pipes and special castings.
Contract "F"—Supplying fire hydrants and gate valves.
Contract "G"—Supplying vitrified tile pipes.
Contract "H"—Supplying cast iron manhole covers, catch basin covers, etc.
Contract "I"—Supplying Underwriter fire pump.

Sealed tenders will be received by the Secretary-Treasurer until 8 p. m. on TUESDAY, APRIL 17TH, 1906.

Plans and specifications may be seen and forms of tender obtained at the office of the Secretary-Treasurer, or at the head office of the Chief Engineer.

F. L. MACKAY, ESQ.,
Mayor,
C. J. GODFREY, ESQ.,
Secretary-Treasurer,
JOHN GALT, C.E. & M.E.,
Chief Engineer,
Toronto, Ontario.

TENDERS FOR NEW THEATRE

Sealed tenders will be received by the undersigned up to 6 o'clock p. m. of SATURDAY, APRIL 14TH, 1906, for the various trades required in the erection of a new Theatre Building, Hamilton, Ont.

Lowest or any tender not necessarily accepted.

STEWART & WITTON, Architects,
Hamilton, Ont.

Tenders for Bridge

Sealed tenders, addressed "S. R. Armstrong, City Clerk, Peterborough, Ont., and endorsed "Tenders for Bridge," will be received up to 4 p. m.

Saturday, April 14th, 1906,

for the construction and completion of a Concrete and Steel Bridge of 50 feet clear span over the creek on Charlotte Street, Peterborough.

Parties may tender separately or combined for (a) Concrete Abutments, Sidewalks and Reinforced Concrete Deck.

(b) Steel Floor System in accordance with plans and specification which may be seen at the office of the undersigned on and after April 8th.

Tenders must be accompanied by a marked cheque equal to 5 per cent. of estimated bulk sum of (a) Concrete Work, and for the sum of \$75.00 for (b) Steel Work.

The lowest or any tender not necessarily accepted.

T. A. S. HAY,
City Engineer.

TENDERS FOR House of Refuge

Sealed tenders for House of Refuge, on site near Belleville, in County of Hastings, will be received by the undersigned up to noon of the 17TH DAY OF APRIL, 1906, for whole building or for each kind of work, according to plans and specifications, namely:—

1. Bulk tender for whole building.
2. Mason, Brick and Plaster work.
3. Heating, Plumbing and Metal work.
4. Carpenter and Joiner work.
5. Painting and Glazing work.

Plans and specifications may be seen at the office of the County Clerk, Belleville; or at the office of G. M. Miller & Company, Architects, Toronto.

Approved security for the satisfactory completion of whole building by 1st August, 1907, will be required of contractor.

If separate contracts for the different kinds of work are made each kind of work must be done in time for the whole building to be finished as aforesaid.

The lowest or any tender not necessarily accepted.

WM. R. AYLESWORTH,
County Clerk,
Belleville.

Shire Hall, March 15th, 1906.

Municipal Debentures FOR SALE

The Town of New Liskeard is constructing a Water Works System and issuing Debentures therefor.

For particulars write

H. HARTMAN,
Clerk.

NOTICE TO CONTRACTORS

Tenders will be received, addressed to the undersigned and marked "Tender for Trenching," up to noon on APRIL 23TH, 1906, for Trenching for water and sewer pipes according to plan and specification.

Approximate distance to be excavated about 5,000 lineal feet. Rock (slate) 5,000 cubic yards. Earth 1,400 cubic yards.

Also for Trenching for a sixteen inch water pipe for a distance of about 10,000 lineal feet, mostly earth.

Tenders will be received for the whole or sections of the work.

Plans and specifications can be seen at the office of the Superintendent of Water Works, Dartmouth, N. S.

Each tender must be accompanied by a certified cheque, payable to the Town Treasurer of Dartmouth, for the sum of \$400, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract with approved sureties, if called upon to do so.

The Town of Dartmouth reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the Town.

ALFRED ELLIOTT,
Town Clerk.

Dartmouth, N. S., March 29, 1906.

TENDERS WANTED WATER POWER DEVELOPMENT

for the Town of Kenora, Ont., on the Eastern Outlet from the Lake of the Woods to the Winnipeg River.

Sealed proposals will be received up to APRIL 16TH, 1906, for the works in connection with the construction of a water power development, and will include all works of coffer damming, unwatering the site, also rock and earth excavation, concrete masonry, steel work, carpenter work, etc. In short, all works required in connection with the construction of a power house building, flumes, wheel pits, tail races, etc.

Approximate quantity of rock excavation, 4,300 cubic yards.

Approximate quantity of concrete work, 5,566 cubic yards.

Approximate quantity of steel work, 122 tons.

Plans and specifications may be seen at the offices of the Town of Kenora, Ont., or at the offices of T. Pringle & Son, engineers, Coristine Building, Montreal.

All tenders must be made out in accordance with general conditions specified and on special form of tender, which may be obtained at either of the above addresses. The Town of Kenora reserves the right to reject any or all bids if deemed necessary. Bidders will be required to submit with their proposal a certified check for \$10,000.00 on a Canadian bank, payable to the order of the Town of Kenora. Tenders may be sent in to either of the above addresses.

T. PRINGLE & SON, Engineers, Montreal.
D. H. CURRIE, Town Clerk, Kenora.

Tenders for Cement

Tenders will be received by Richard Mitchell, City Clerk, Guelph, up till noon on WEDNESDAY, APRIL 18TH, 1906, for the supply of the Portland Cement required by the corporation for this season. The cement to be delivered in car lots as required.

The lowest or any tender not necessarily accepted.

J. HUTCHSON,
City Engineer.

Guelph, April 6th, 1906.

TOWN OF PERTH TENDERS

Sealed tenders will be received until six (6) p. m., MONDAY, APRIL 30, 1906, for the furnish- ing of all materials and labor, for the construction of all concrete sidewalks and crossings in the Town of Perth, that the Municipal Council of the Town of Perth may desire to construct during 1906.

Tenders to be addressed to John A. Kerr, Town Clerk, Town of Perth, Ont.

An accepted cheque for \$200.00 must accompany each tender.

The lowest or any tender not necessarily accepted.

For forms of tender, specifications and all other information apply to

HARRY WELCH, Town Engineer,
Box 255, Perth, Ont.



TEMISKAMING and NORTHERN ONTARIO RAILWAY

TENDERS FOR GRADING

Sealed tenders, addressed to the undersigned, will be received until 12 o'clock noon on TUESDAY, APRIL 24TH, 1906, for all the work, excepting the ballasting and track laying, connected with the building of an extension from the present existing tracks at North Bay Junction to Nipissing Junction, a distance of about three miles.

And also for an extension from North Bay Junction to Regina street, in the Town of North Bay. Plans and specifications will be on exhibition at the office of the Commission, 25 Toronto street, Toronto, and at the office of the Chief Engineer, North Bay, Ont.

Tenders must be made on printed form which will be provided by the Commission.

The Commission will not be bound to accept the lowest or any tender.

H. W. PEARSON, Secretary-Treasurer,
25 Toronto Street, Toronto.

Papers inserting this advertisement without authority will not be paid for same.



BUILDERS AND CONTRACTORS

Tenders for New Press Bureau

Separate or bulk tenders, addressed to the undersigned, will be received through registered post only, up to noon on

TUESDAY, APRIL 17, 1906,

for the various works required in the erection and completion of a Press Bureau on the Toronto Exhibition Grounds.

Plans and specifications may now be seen, and all information, together with forms of tender, obtained at the office of Mr. George W. Gouinlock, Architect, Temple Building, Toronto.

Tenders must be accompanied by a marked cheque, payable to the order of the City Treasurer, or a cash deposit, equal to 5 per cent. on tenders up to \$1,000, and 2½ per cent. on tenders over that amount.

Should any party whose tender is accepted fail to execute the necessary contract and bond and give satisfactory security for the due fulfilment of the contract the deposit accompanying the tender will be forfeited to the city.

The lowest or any tender not necessarily accepted. The deposits of unsuccessful tenderers will be returned.

E. COATSWORTH, (Mayor),

Cement Brick business for sale; everything complete. Machine imported from Germany; stock on hand. Apply Box 101, CONTRACT RECORD, Toronto.

FOR SALE

Twenty-five horse power Steam Boiler on wheels, in good order, only used eight months. Price Three Hundred and Fifty Dollars. Apply C. H. CLARKE, Gananoque, Ont.

Clerk of Works

A competent Clerk of the Works required for important job, commencing April 16th. Apply personally to

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

To Paving Contractors

Sealed tenders, addressed to the Chairman of the Committee on Works, will be received by the City Clerk, St. Catharines, Ont., until 12 o'clock noon, on MONDAY, 30TH INST., for about 16,000 square yards of paving with vitrified brick upon concrete foundation and about 2,500 lineal feet of 5" stone curbing on St. Paul Street, in the said city.

Plans and specifications may be seen and form of tender obtained at the office of the City Engineer on and after the 20th inst.

The lowest or any tender not necessarily accepted.

R. E. SPEAKMAN,
City Engineer,
St. Catharines, Ont.

April 10, 1906.

CONTRACTS OPEN.

OSHAWA, ONT.—Offers have been received for a site for public library building.

CAMPBELLTON, N.B.—New Brunswick capitalists are preparing to erect a hotel here.

CHATHAM, N.B.—The Miramichi Lumber Co. will build a new mill here, cost \$50,000.

HANOVER, ONT.—A by-law has been carried to establish a Carnegie library here.

SWANSEA, ONT.—Dr. Spalding will erect a brick house on Ellis avenue, cost \$3,000.

BURLINGTON, ONT.—A by-law has been carried to purchase a site for a public library.

CAYUGA, ONT.—The Imperial Plaster Company will erect a large grinding mill here.

HAILEYBURY, ONT.—It is reported that a large smelter is to be erected here, cost \$75,000.

NORTH TORONTO, ONT.—The Misses Nichols will build a residence on Rohampton avenue.

TILBURY, ONT.—A by-law granting \$5,000 bonus to a canning factory has been carried here.

MITCHELL, ONT.—Dr. Hurlburt will remodel his present residence and also erect a new one.

CAMROSE, ALTA.—It has been decided to build a new school for district No. 13, cost \$5,000.

COLLINGWOOD, ONT.—Wilson Bros. will build a saw mill and an addition to their planing mill.

HAMPTON, N.E.—H. J. Fowler is taking tenders this week for alterations to the County buildings here.

GODERICH, ONT.—R. Parsons and Joseph Whitely purpose erecting new store buildings this year.

WINGHAM, ONT.—W. H. Green will build a block of stores, corner of Josephine and Patrick streets.

MOUNT ALBION, P. E. I.—Robert Jenkins has taken tenders for the building of a new school house here.

BRADFORD, ONT.—The Town Council are considering the establish-

BERLIN, ONT.—Plans for the re-modelling of the G.T.R. station here have been prepared, cost \$10,000.

DUNREA, MAN.—J. H. Putman will receive tenders up to April 16th for \$4,000 6 per cent. school debentures.

FORT QU'APPELLE, SASK.—Tenders have been taken by L. P'Elarp for the erection of a school house.

MIDGELL, P. E. I.—Tenders have been taken by L. B. McMillan for the erection of a 50-foot steel bridge here.

SOUTHAMPTON, ONT.—The Baptist congregation are considering the building of a new church this season.

NIAGARA FALLS, ONT.—G. C. Brooks, of Fallsview, is interested in having an electric ore smelter built here.

BATH, ONT.—Max Robinson, Town Clerk, will receive tenders up to April 25th for a new bridge to be erected here.

MORRISBURG, ONT.—J. F. Howard, Montreal, has secured an option on a site for a stove manufacturing building.

SELKIRK, MAN.—H. W. Newton, Box 852, will receive tenders up to April 17th for \$9,000 5 per cent. school debentures.

FREDERICTON, N. B.—Engineer Barbour has been instructed to prepare plans for new filtration plant to cost \$60,000.

ST. CROIX, N.B.—The St. Croix Soap Manufacturing Company will erect a three-storey factory building, 55 x 50 feet.

PORT ARTHUR, ONT.—Thomas Hanley, architect, has taken tenders for the erection of a residence for N. N. Jopeland.

MOOSE JAW, ALTA.—John D. Simpson will receive tenders up to April 16th for construction of a dam on Moose Jaw Creek.

OWEN SOUND, ONT.—The plans for the Collegiate Institute addition have been approved and tenders will soon be called for.

FOREST, ONT.—R. Karr, Village Clerk, will receive tenders up to April 17th for excavation and construction of cement culverts.

WESTPORT, ONT.—B. Deacon, Village Clerk, will receive tenders up to April 21st for construction of cement sidewalks here.

GUELPH, ONT.—Tenders are invited by J. E. Hutcheon, City Engineer, up to 18th inst. for the annual supply of portland cement.

ARKONA, ONT.—W. J. George will receive tenders up to April 14th for re-modelling the Baptist church here. J. W. Murray, architect.

NEW WESTMINSTER, B.C.—Mr. Brock, of Lynden, Wash., intends operating a factory here for the manufacture of stamp destroyers.

RED DEER, ALTA.—Tenders have been taken for excavation for one mile of canal near the town. Plans with the Great West Lumber Co.

FINGAL, ONT.—N. R. Darrach, architect, St. Thomas, has taken tenders for the erection of a brick church for the Presbyterian congregation.

CAMPBELLFORD, ONT.—J. L. Wilson & Son, architects, Chatham, Ont., will prepare plans for new church building here, cost \$25,000.

DELHI, ONT.—Quance Bros. will build a concrete dam for the development of electric energy, from plans by J. S. Fielding, C. E., Toronto.

TERRA COTTA, ONT.—Toronto capitalists will build a concrete dam here. John S. Fielding, C. E., Toronto, is the engineer.

No. 10

Railroad Forge

An Old Friend

In a New Dress



(Open)

We illustrate herewith a forge equipped with the same blower and hearth as our well known No. 625 Forge, but more adapted to rough handling.

Tools can be locked in the hearth at night, and lever removed.

Railroad Contractors and Bridge Builders will find this outfit very convenient and strong.

Height to top of bowl 31 in.; size of hearth 18 in. x 18 in.; weight 125 lbs.



(Closed)

W. H. C. MÜSSEN & CO.

Railway, Mining and Contractors' Supplies
MONTREAL

tation has asked the Minister of Public Works to have a dock and breakwater constructed here. Estimated cost \$150,000.

HESPELER, ONT.—J. R. Phin will receive tenders up to April 10th for additions to the Methodist church here. Plans at post office or at Phin's drug store.

MIDLAND, ONT.—The Legislature has granted permission to the town to issue debentures for \$20,920 for sewer construction, and \$30,000 for permanent sidewalks.

ROSTHERN, SASK.—Willis Chipman, C.E., Toronto, has reported regarding a system of waterworks for fire protection, also electric light and telephone systems, cost \$30,000.

BROCKVILLE, ONT.—The Board of Works will receive tenders up to May 1st for lumber for sidewalks, salt glazed sewer pipes, Portland cement, cut and steel wire spikes and macadam.

STRATFORD, ONT.—The following building permits have been granted: A. F. Waddell, residence, Birmingham street; Mr. Schlotzhauer, residence, Water street; A. Knechtel, residence, Elm street.

HALIFAX, N. S.—Tenders will be received up to April 12th by F. Gelinax, Department of Public Works, Ottawa, for electric wiring and fixtures for the Custom House. Plans with C. E. W. Dodwell, resident engineer.

BARRIE, ONT.—Thos. Kennedy, architect, is taking tenders on a pair of brick houses for E.T. Tyrer, to be erected on John street, also on brick residences for Jas. Wynne and A. Gendron, both of Penetanguishene.

SOURIS, MAN.—The Town Council have decided to replace the wooden sidewalks on the main streets with granolithic walks.—Trustee Board of the Methodist church have decided to erect a new church, cost \$12,000.

VEGREVILLE, ALTA.—Alanson, Gulley & Co. will build a large hotel here.—A large addition is to be built to the Queen's Hotel.—A public school is to be erected, cost \$10,000.—The Presbyterian congregation will build a new church.

KENORA, ONT.—Tenders will be received by D. H. Currie, Town Clerk, or by T. Pringle & Sons, engineers, Montreal, up to April 16th for work in connection with the construction of water power development here. Plans with above named.

AMHERST, N. S.—The Nova Scotia Telephone Co. will receive tenders at 26 Saultier street, Halifax, for the erection of a brick and stone building, corner LaPlanche and Victoria streets. Plans at office of Company here or with H. E. Gates, architect, Halifax.

ST. MARY'S, ONT.—The Council will submit a by-law to provide \$7,500 for road improvement and \$2,000 for permanent sidewalks.—The Town Clerk will draft a by-law providing \$2,000 to purchase a site for the new cordage factory.

WELLAND, ONT.—W. W. Wilson will receive tenders up to April 18th for an addition to the Mansion House. Plans with T. L. Nichols, architect, W. W. Nichols, architect, Niagara Falls, and with above named.—O. H. Garner has taken tenders for the erection of five frame dwellings here.

VICTORIA, B.C.—Hooper & Watkins, architects, have taken tenders for the erection of a residence corner of Cadboro Bay road and School street.—The Corporation has given notice that work will soon begin on con-

Quebec, Toronto and Montreal capitalists have a controlling interest in the Quebec Gas Co. and purpose improving the plant at a cost of \$150,000. W. H. Pearson, Toronto Gas Company, is interested.—Tenders are invited by Ouellet & Levesque, architects, for a presbytery to be built at St. Ludger, Temiscouata county.

ST. JOHN, N. B.—S. L. Gorbell, manager of the Seamen's Institute, is soliciting funds for a new building, to cost about \$10,000.—The Salvat Army expect to build a Provincial headquarters building on the site of the barracks on Charlotte street, to cost \$12,000.

AURORA, ONT.—Tenders will be received by S. H. Lundy, Town Clerk, up to April 21st for a covered wooden tank 18 feet high and 23 feet 9 inches diameter, for the necessary steel trestle to support the tank and for a covered steel plate tank with supporting trestle.

BRANTFORD, ONT.—The trustees of the Y. W. C. A. are considering extensive improvements for Victoria Hall.—City Engineer Jones has recommended a sewer on Rawdon street to cost \$71,000.—J. H. Schultz has taken out a permit for a residence on William street, cost \$2,500.

SASKATOON, SASK.—A. Melville, architect, will receive tenders up to April 14th for construction of a block for the National Trust Company.—E. F. Hutchings, of the Great West Saddlery Co., has purchased a site for a factory, warehouse and store.—The Town Council will submit a by-law to raise \$12,000 for addition to school.

PETERBORO, ONT.—E. M. Elliott, County Clerk, will receive tenders up to April 14th for construction of two steel highway bridges over the Indian river, also for concrete or stone abutments for Evans and Keene bridges over the Indian river. Plans with J. E. Belcher, C. E.—The Public Works Department, Ottawa, are preparing plans for the new armouries here.

EDMONTON, ALTA.—The following building permits have been issued: J. A. Paul, residence, Roland street, cost \$1,900; D. W. McDonald, block, corner of Second and Jasper streets, cost \$4,000.—C. V. Semerad and other business men propose organizing a company to build an opera house, cost \$40,000.—The British Pacific Railway Co. are applying for a charter to build a road from Victoria, B. C., to this city.

CALGARY, ALTA.—A prominent company of Eastern Canada has decided to erect a large office building here to cost \$150,000.—The following have been granted building permits: McDonald, Dunlop Co., warehouse, cost \$8,000; Moodie & Co., hotel, cost \$35,000; Jesse Morrice, residence, cost \$1,500; Mrs. James Grant, residence, cost \$1,400.

LONDON, ONT.—A. O. Graydon, City Engineer, will receive tenders up to April 12th for sewers on Dufferin avenue and Ontario street.—The congregation of Talbot street Baptist church have decided to build a new church, cost \$50,000.—The Dominion Office & Store Fittings Company have applied for incorporation and purpose erecting a factory on Dundas street. D. H. Gillies is interested.

CHARLOTTETOWN, P. E. I.—L. B. McMullen has taken tenders for erection of a 70 foot steel bridge over the Dunk river.—Tenders will be received by the Secretary of Department of Railways and Canals, Ottawa, Ont., up to April 17th for the construction of two rest piers for the Hillsborough bridge, P. E. I. Specifications at office of Resident En-

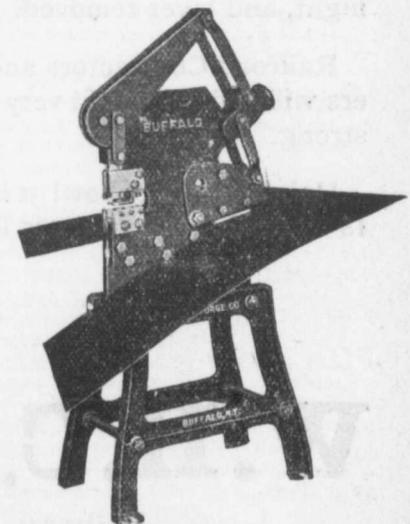
HAMILTON, ONT.—E. B. Patterson, architect, has taken tenders for alterations and additions to school buildings in S. S. No. 1, Barton.—The following permits have been issued: D. Barton, brick store, corner Barton and William streets, cost \$2,600; T. W. Stewart, brick house, West avenue; Wm. Kirpatrick, brick house, corner Barton and McNabb streets, cost \$1,900.—The T. H. & B. Railway will soon erect new shops on Garth street.—Stewart & Wotton, architects, will receive tenders up to April 14th for the erection of a new theatre here.

TORONTO JUNCTION, ONT.—The Bank of British North America have purchased a site next to the post office on which it is understood they will erect a new building.—The Heintzman Piano Company purpose building extensions to their factory in the near future.—The Royce avenue Presbyterian congregation will build a mission church, to cost \$5,000.—The Kerr Manufacturing Co. will erect a three-storey building on Pelham avenue.—J. G. Wright will erect a brick dwelling on Louisa street.—I. Woods will build a brick cottage on Mullock avenue.—J. Mooney will build several houses on Cooper avenue.

EAST TORONTO, ONT.—C. F. Wagner, architect, will receive tenders up to April 13th for the erection of a Masonic Temple at Balmy Beach. Same architect is preparing plans for four brick stores on Queen street near Luety avenue, cost \$15,000.—Thomas Clayton has purchased a site, corner of Wheeler avenue and Queen street, on which it is expected a store will be built.—C. F. Wagner, architect, has purchased two lots on Hamby and two on Wineva avenues and will build houses thereon.

BRANDON, MAN.—G. F. Sykes will receive tenders up to April 12th for \$90,000 4½ per cent. waterworks debentures.—The directors of the Agricultural Association purpose increasing their stabling accommodation at a cost of \$6,000.—Messrs. Borbridge intend erecting a four-storey building 30x115 feet on Eleventh street, at a cost of \$10,000.—Tenders have been taken for the erection of the new building for the Merchants'

ARMOURED PLATE PUNCHES AND SHEARS



No. 42 in. Combined Punch and Shear

CANADIAN BUFFALO FORGE CO. LTD.

Bank here.—The City Engineer will ask for tenders for a new steam roller and second-hand stone crusher.

MONTREAL, QUE.—The Parks and Ferries Committee have approved of the plans for an overhead bridge from Berri street to the Ferry Landing, to cost \$10,000.—The new Labor Temple which is proposed to be erected here will cost about \$700,000.—J. R. Barlow, City Surveyor, gives notice that it is proposed to construct sewers in Dufferin and Dorion streets.—The Jesuit Fathers have taken out a permit for the erection of a new chapel, corner of Laurier avenue and Gilford street, cost \$100,000.—The Board of Protestant School Trustees of St. Louis have secured \$25,000 to build an annex to the school, corner of Esplanade and Fairmount avenue.

OTTAWA, Ont.—John Henderson, City Clerk, will receive tenders up to April 12th for construction of a swimming bath. Plans with M. C. Edey, architect.—F. Gelinias, Secretary Department of Public Works, will receive tenders up to April 18th for dredging at the following places: Penetanguishene, Meaford, Fesserton, Goderich, Point Edward, Port Stanley, Port Burwell, Rondeau, mouth of River Thames, Owen Sound, Nigger Island Channel and Trenton. Plans at the above mentioned offices.—F. Gelinias, Secretary Department of Public Works, will receive tenders up to April 18th for dredging at the following places in the province of Quebec: River du Loup, Yamaska river, Doucet's Landing, Hudson, Como, Rigaud, Ile Aux Foins, Blanche

Shoals, Maskinonge river, St. Maurice river, River Ouelle, St. Placide, River Jesu, North river, L'Assomption river. Plans at the above named office.

VANCOUVER, B. C.—The Park Commission have instructed Parr & Fee, architects, to prepare plans for addition to the bathing pavilion at English Bay, cost about \$2,400.—E. E. Blackmore, architect, has taken tenders for the erection of a hotel corner of Cordova and Seymour streets for Baron Cope.—The British Columbia Electric Railway Co. intend erecting storehouse, shops and car barn on Westminster avenue.—C.S. Battle has purchased part of the property of the Western Canadian Fish Company on which it is said he will build a large mill.—The Civic Water Committee have taken tenders for water meters.—The Anglo-American Lumber Co. purpose erecting a large saw mill on Burrard Inlet, cost \$100,000. R. H. McKee is interested.

FORT WILLIAM, ONT.—S.F. Flatt will build a brick apartment house corner of Miles and Archibald streets, to cost \$12,000.—H. R. Halton, architect, is preparing plans for a hotel at Westfort, to cost \$20,000.—Some Port Arthur business men will build a block on Simpson street, to cost \$20,000.—J. C. Stinson, architect, is preparing plans for the following: F. Symes, brick dwelling on Archibald street, cost \$4,500; T. Dow, brick residence on Archibald street, cost \$2,800; Dr. Mitchell, brick residence on Archibald street, cost \$5,500; L.L. Peltier, brick store on May street, cost \$10,000;

A. J. Timbers, brick hotel on May street, cost \$25,000; H. J. Tharle, brick tenement house on Dease street, cost \$6,000; H. Harkness, brick store at Westfort, cost \$2,500; Street Bros., two-storey block on Syndicate avenue; A. McDonald, brick dwelling on Brodie street, cost \$2,500; A.W. Frodsham, two-storey block corner May and Miles street. — Superintendent

SAND and SLAG

For Roadbuilding, Sewer Construction, Concrete Foundations and Footings is our specialty.

SAND & DREDGING, Limited
Tel. M. 4507. Office: John St. Dock, TORONTO

A. LEOFRED

(Graduate of McGill)

Consulting Engineer
WATERWORKS A SPECIALTY.

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

CORRUGATED
WRITE FOR PRICES
METALLIC ROOFING CO.
LIMITED.
TORONTO, CANADA.
IRON

DERRICKS, HOISTING WINCHES

and Contractors' Specials in Sheaves, Shafts, Truck Axles, etc.

Every Style of Derrick

Every Capacity

Prices on Application

MILLER BROS. & TOMS, MONTREAL

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.**

McDOUGALL & McRAE
ENGINEERS

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

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**

JOSSON CEMENT

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

TO BE HAD FROM ALL CANADIAN DEALERS OR FROM

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

SAMSON CEMENT

MANUFACTURED BY

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

Jones has been instructed to proceed with the building of a new electric light sub-station, cost \$10,000.

WINNIPEG, MAN. — Darling & Pearson, architects, are taking tenders this week for the erection of a residence on Kingsway.—The Winnipeg Rowing Club are discussing the construction of a new boat house, at a cost of about \$15,000.—The Ministerial Association are discussing the erection of a chapel at the General Hospital, to cost \$5,000.—The Works Committee have recommended that the construction of the following works be advertised: Asphalt pavements—Wardlow avenue, from Wellington Crescent to Guelph street, cost \$24,500; on Scotia street, from Cathedral avenue north to City limits, cost \$10,172. Sewers—Clare avenue, from Pembina to Fisher street, cost \$3,570; Fisher street, from Balfour to Clare, cost \$1,120; Mountain avenue, from McKenzie to Garlies street, and Garlies street, from Mountain avenue to Machray, cost \$15,532; McGregor street, from St. John avenue to Mountain, and Mountain avenue, from McGregor street to McKenzie, cost \$11,808; Winnipeg avenue, from east line of C.P.R. to McPhillips street, cost \$3,670.—J. H. Cadham, architect, will receive tenders up to April 14th for erection of a block on Edmonton street for Barrett Bros.

TORONTO, ONT.—T. E. Washington, real estate broker, has sold a site at corner of Avenue road and Chicora street to Isaac W. Plewes on which five brick houses will be erected, also a site on Euclid avenue to W. J. Cole for a brick residence and one on Pape avenue to R. Lancon for a pair of houses.—The Board of Control will receive tenders up to April 17th for the erection of the press building at the Exhibition grounds. G. W. Gounilock, architect.—Burke & Horwood, architects, are preparing plans for a new Science building for McMaster University, to cost about \$100,000.—J. J. Walsh, real estate dealer, is preparing to erect two houses on Wilson avenue, a residence on Springhurst avenue, to cost \$8,000, and two residences in Rosedale, to cost \$14,000. He has sold a site on Queen street to R. Wilson for three stores. He also expects to build several houses on Stuart street.—The Advisory Board of St. Clement's church are considering building an addition to their church.—George Faulkner, real estate broker, has sold a site, 38 Olive avenue, to C. Roberts for a store building.—F. W. Stair, proprietor of the Star theatre, has purchased the property at northwest corner of Bond and Queen streets on which he intends erecting a theatre to cost \$75,000.—It is stated definitely that work on the new Shea theatre, corner of Victoria and Richmond streets, will begin at once.—A. G. Strathy & Co. real estate dealers, have sold a site at corner of Howland and Bloor streets for two stores and dwellings, also a lot on Ossington avenue to W. R. Switzer for a dwelling. They have sold the property at 143 Simcoe street, which is to be remodelled into a free dispensary, and the Federal block, corner of Victoria and Lombard streets, to W. S. Dinnick, to which it is expected that alterations will be made; also the property corner of Adelaide and Duncan streets, which will be altered as a flat building for light manufacturing.—The Sharples Separator Co. have purchased a site, corner of Dundas and Vincent streets, for the erection of a large factory.—The Board of Management of Knox College are almost unanimous in favor of the erection of a new building near Toronto University, estimated cost from \$300,000 to \$400,000.—George S. McConkey has bought

WATSON'S DUMPING WAGGON

FOR
Street Paving, Road Building and
Contractors' use. First in the field
and last in the repair shop. Sizes from
1½ to 5 yards.

Canadian Sales Agent

JOHN ROBINSON
64 King St. E., HAMILTON, ONT.



PORTLAND CEMENT.



SEWER PIPES

FIRE BRICKS

FIRE CLAY

ALEX. BREMNER

50 Bleury Street, MONTREAL



Lafarge (NON-STAINING) Cement

PORTLAND CEMENT

FIRE BRICKS

DRAIN PIPES

FIRE CLAY

CULVERT PIPES

SEWER BRICK

SEWER BOTTOMS

F. HYDE & CO.,

King, Queen and Wellington Sts. - MONTREAL

Turbine Pumps and Electric Motors

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

MADE BY

MATHER & PLATT, Ltd., Manchester, England.

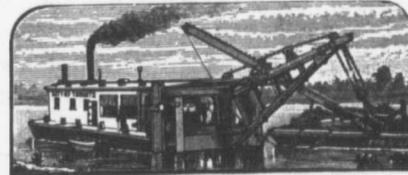
Drummond, McCall & Co.,

CANADIAN AGENTS

MONTREAL

M. BEATTY & SONS, LIMITED

WELLAND, ONTARIO, CAN.



Dredges, Ditchers,
Derricks,
Steam Shovels,

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

ROGERS SUPPLY CO. CRUSHED STONE

ALWAYS ON HAND AND ARRIVING DAILY

for Cement Sidewalks, Road Foundation and Concrete Work

Head Office: 3 KING STREET EAST

Bathurst Street, Opposite Front Street

confectionery. — Building permits have been issued as follows: Eugene Coste, 2-storey and attic brick dwelling, Poplar Plains road, cost \$7,000; H. J. and E. R. Reynolds, two 2½-storey brick dwellings, Dundonald street, near Church, cost \$8,000; John Peacy, 2-storey brick and roughcast dwelling, Seaton square, near Palmerston avenue, cost \$1,800; James Cairns, 1-storey stone and brick store and dwelling, 1289 Bloor street, cost \$2,300; Hedges Bros., three 2-storey and attic frame dwellings, Bellwoods avenue, near Croaker street, cost \$6,000; I.W. Plewes, two pair 2-storey and attic stone and brick dwellings, Chicora avenue, near Avenue road, cost \$13,000; S. Napolitano, 2-storey and attic stone and brick dwelling, Woodlawn avenue, near Yonge street, cost \$3,750; E. B. Freeland, 2½-storey brick dwelling, Chestnut Park road, cost \$9,000; J. Macdonald, pair 2-storey brick and roughcast dwellings, 17 and 19 Cumberland street, cost \$3,600; Wm. Lightle, pair 2½-storey brick dwellings, Victor avenue, cost \$4,500; W. R. Munbery, 2-storey brick hotel, corner Simcoe and Front streets, cost \$6,000; Dr. I. Butler, pair stone and brick dwellings, Grace street, near College, cost \$4,800; E. R. French, 2½-storey brick dwelling, Beaconsfield avenue, near Argyle street, cost \$2,700; J.H. Carman, 2-storey and attic frame dwelling, Lee avenue, near Queen street, cost \$2,500; Caleb Evans, pair 2-storey and attic stone and brick dwellings, Palmerston boulevard, near Harbord street, cost \$8,000; McCauley & Bishop, pair 2-storey and attic stone and brick dwellings, Brunswick avenue, near Bloor

street, cost \$5,500; A. Nelson, pair 2-storey and attic stone and brick dwellings, Palmerston boulevard, near College street, cost \$10,000; W. G. Simpson,

pair 2-storey and attic stone and brick dwellings, 426 and 428 Delaware avenue, cost \$4,500; E. Sellers, 3-storey stone and brick store and dwelling, College

Crushed Stone, Limited

STONE

of any Size and in any Quantity on hand for Sidewalks, Roadwork or Concrete Work

Works: KIRKFIELD, ONT.

Head Office: 47 Yonge St. Arcade. TORONTO
Phone Main 4516
G. W. Essery, Manager.

STONE AND GRAVEL SPREADERS

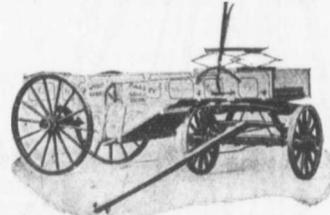
A perfect device for spreading Stone, Gravel, &c., on the road of any required depth.

NO MORE SHOVELLING REQUIRED

Nicely balanced, broad tires, turns with in its own length. The only one of its kind made in Canada.

Sawyer & Massey,

Road Machinery Dept. Hamilton Canada



THE JOHNSON CORRUGATED STEEL BAR

FOR

REINFORCED CONCRETE



Manufactured by

THE CORRUGATED STEEL BAR CO. OF CANADA, LIMITED

Operating under Johnson Patent No. 91650 and by license of Sir Wm. Mather.

Office: Coristine Building, MONTREAL

CONCRETE BONDING

OF CRIMPED STEEL WIRE

THE STRONGEST, BEST AND CHEAPEST.

If interested write for pamphlet and full particulars.

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

CANADIAN PIPE COMPANY VANCOUVER, B.C.

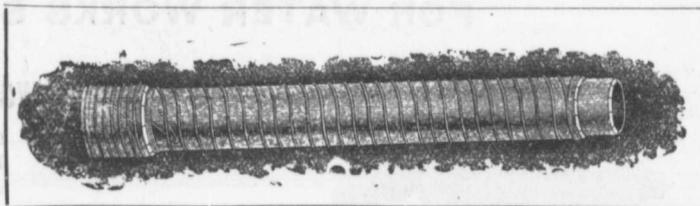
Phone 1642

P.O. Box 915

LIMITED

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



Spigot and Faucet Pipe

Flanged Pipe

Turned and Bored Pipe

MADE IN 12' 0" LENGTHS
3 TO 48 INCHES DIAM.



MADE IN SEVERAL WEIGHTS
PROVED FROM 100 TO 700 LBS.

AND SPECIAL CASTINGS

"THE WORLD'S STANDARD FOR ACCURACY, QUALITY AND FINISH."

WE ARE PREPARED TO QUOTE DELIVERED PRICES, AND MAKE PROMPT DELIVERIES IN ANY PART OF CANADA

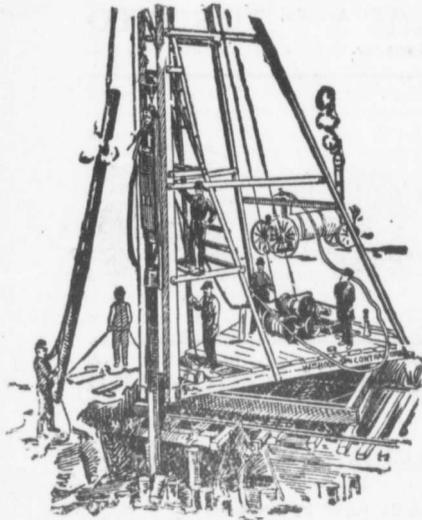
The Canadian Bridge Co., Limited

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

- o 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

Established 1898

The Hanover Portland Cement Co., Ltd.

Hanover, Ontario

Manufacturers of the Celebrated

"SAUGEEN" Brand PORTLAND CEMENT

Prices on application.

Prompt shipments.

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

LOCOMOTIVES AND CARS

John J. Gartshore

83 Front St. West,

(Opposite Queen's Hotel.) TORONTO

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

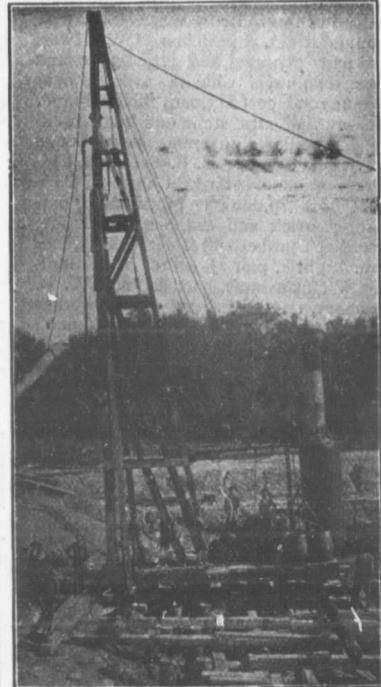
A 44 PAGE MONTHLY,

PRICE \$1 PER YEAR

Write for free sample copy to

The G. H. Mortimer Publishing Co. LIMITED

Toronto Montreal Winnipeg Vancouver



PILE DRIVING

and Foundation Work.

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

BUILDING MOVER AND WRECKER

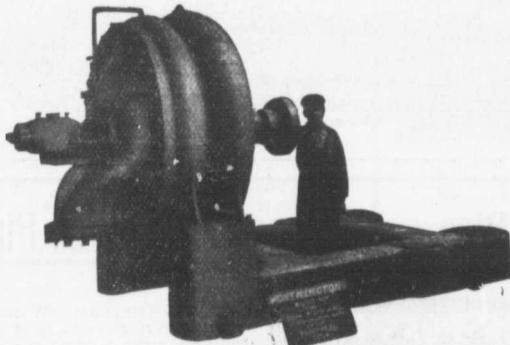
General Contracting.

JNO. E. RUSSELL, - Toronto

Residence, 1010 Queen St. E.—Phone M. 4516
Office and yard, 307 Logan Ave.—Phone M. 3007

WORTHINGTON PUMPS

FOR WATER WORKS SERVICES



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

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

"WORTHINGTON" TURBINE PUMPS

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

WE ALSO MANUFACTURE

Boilers, Tanks, Filters
Etc.

The John McDougall Caledonian Iron Works Co.,

GEO. H. ARCHIBALD
CONSULTING CIVIL ENGINEER

820 Union Bank Bldg.
WINNIPEG, CAN.

Municipal Improvements.
Reinforced Concrete and Steel Construction

SIMPSON & LEWIS
Civil Engineers

Electric, Hydraulic Plants,
Waterworks, Sewerage, Bridges.
33 Bank St. Chambers, OTTAWA.

ARTIFICIAL STONE PAVEMENTS

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

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

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 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.

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

The **IMPERIAL CEMENT CO.**
LIMITED
OWEN SOUND, ONT.

Makers of the Celebrated

Imperial Portland Cement

PORTLAND CEMENT

T. M. Morgan

Manufactures the



CRESCENT & DIAMOND BRANDS



AS GOOD AS THE BEST FOR ANY PURPOSE

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

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

Manufacturers of
"HERCULES" BRAND OF PORTLAND CEMENT

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

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

Phone No.: PARKDALE 1809. Post Office and Telegraph Address: SWANSEA.

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



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

- VITRIFIED "SALT GLAZED" SEWER PIPES

Price Lists and Discounts on Application — In Sizes from 4 inches to 24 inches

"Judge a Cement by Its Works."

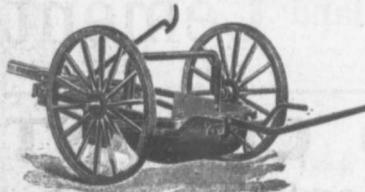
AMERICAN



GERMAN

is sold under a guarantee other portlands cannot make in good faith. That guarantee is backed by the oldest and most responsible manufacturers in the world. Selected for PANAMA CANAL in Preference at Equal Prices and is exceeding those severe requirements.

90,000 bbls. Key West this year. The best color and most durable for cement blocks and sidewalks.
90,000 bbls. City of Rochester Reservoir. Write for list of other important works in all sections.



The Toronto Pressed Steel Co., Limited
Toronto and Winnipeg

Manufacturers

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

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



Canadian White Company, Limited
SOVEREIGN BANK BUILDING, MONTREAL, CANADA
ENGINEERS AND CONTRACTORS

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

CORRESPONDENTS

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

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

WARING-WHITE BUILDING CO.
London, England

One Grade "The Cement of Quality" The Highest

Tests of

NATIONAL Portland Cement

BY

The City Engineer of Toronto for 1903-4

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

Year.	No Samples Tested.	Soundness Fajji Test.	Specific Gravity	Residue in Test on No. 100 Sieve	Setting Time in Minutes		Tensile Strength in pounds per square inch.									
					Initial	Final	Neat.					3 (Sand) to 1 (Cement)				
							1 dy.	7 ds.	28 dys.	3 mos.	1 yr.	1 dy.	7 dys.	28 dys.	3 mos.	1 yr.
1903	20	O.K.	3.135	2.1	162	345	307	701	783	827	*	74	214	299	367	*
1904	44	O.K.	3.150	2.0	132	342	300	744	848	914	938	86	262	354	401	427

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

THE BEST IS THE CHEAPEST

Municipal and Other Bonds
and Debentures Bought
Highest Prices Paid.

G. A. STIMSON & CO.
24 and 26 King Street West - TORONTO

Please mention this paper when
corresponding with advertisers

CONTRACTORS AND ENGINEERS

Please write down in your note book that we have large stocks on hand of well matured

Reinforced Concrete Culvert and Sewer Pipe

Sizes 6, 8, 10, 12, 15, 18, 21, 24, 27, 30 and 36 inch. Larger sizes made to order. We also make 2' x 3' Oval or Egg-Shape Sewer Pipe for City and Town Sewers. Please write us for particulars and oblige

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

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.

THOS. J. DRUMMOND,
President

JAMES T. MCCALL,
Secretary-Treasurer

C. ED. GUDWILL,
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

GLENFIELD & KENNEDY, LTD

KILMARNOCK

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

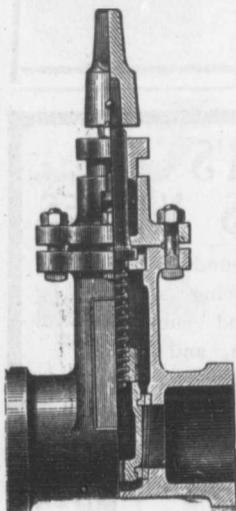
AND ALL CLASSES OF WATER FITTINGS

ACCUMULATORS, PUMPS, HYDRAULIC MACHINERY

PENSTOCKS, FLUSHERS, SEWERAGE FITTINGS

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

ASHLEY'S PATENT DEEP-WELL PUMPS



Canadian Representative: John T. Farmer,

street, near Euclid avenue, cost \$3,800; Amos Shunk, pair 2-storey and attic brick dwellings, Delaware avenue, cost \$7,000; Taylor & Nesbitt, pair 2-storey stone and brick dwellings, 14 and 16 Havelock street, cost \$6,000; F. L. Beecroft, 2 1/2-storey stone and brick dwelling, Roxborough street west, near Yonge, cost \$4,000; Geo. Sparling, 2 1/2-storey brick dwelling, corner Dufferin street and Lindsay avenue, cost \$3,000; Moore & Davis, pair 2-storey roughcast dwellings, Lansdowne avenue, near Lappin street, cost \$3,600; Huylers, alterations to 4-storey stone, brick and steel store and factory, 130 and 132 Yonge street, cost \$20,000; W. O. McTaggart, 2-storey and attic brick dwelling, 258 Delaware avenue, cost \$4,000; Dr. J. H. Auger, 3-storey brick dwelling, Chestnut Park road, cost \$9,000.

CONTRACTS AWARDED.

SHUBENACADIE, N.S.—Presbyterian manse: G. Forbes, contractor.

SASKATOON, SASK.—J. H. Armstrong, C.E., and S. D. Lake, contractors, of Hanley, Sask., will build 50 miles of G.T.P.R. eastward from this town.

STELLARTON, N.S.—M.P. McNeil & Company, of New Glasgow, N.S., have the contract for a number of buildings for Acadia Coal Company, to cost \$50,000.

GOLDEN, B.C.—The contract for construction of ten miles of the Kootenay Central Railway southward from this town has been awarded to the General Contract Company, of Vancouver.

NIAGARA FALLS SOUTH, ONT.—Addition to residence for Mr. Paine, banker: Masonry and brick work, S. E. Miller; carpenter work, E. McCredie; plumbing and metal work, S.R. Ward.

VANCOUVER, B.C.—Laying of basement drain on Hastings street: Boyd, Clendenning & Company, contractors, \$5,128.—Addition to Atlantic Saloon on Cordova street: Smith & Sherburne, contractors, cost about \$15,000.—Cedar Cove school building: Peter Tardiff, successful tenderer, at \$9,095.

GODERICH, ONT.—Huron & Perth County Council have awarded the contract for construction of two bridges on the County boundary between McKillop and Logan townships as follows: Concrete work, Hensworth & Eckmire, of Ethel, at \$4.25 per cubic yard; steel

superstructures, A. Hill & Company, Mitchell, at \$530.

COBOURG, ONT.—The Counties Council have accepted the following tenders for construction of jail: Carpenter and joiner work, Henderson Bros.; heat-

ing, plumbing and metal work, A. R. Dundas; masonry, brickwork and plastering, Jex & Company; painting and glazing, H. Dell; cells and steel work, Van Dorn Iron Works Company, Cleveland, total cost \$41,745.

A. & E. LOIGNON, C. E.

17 Place D'Armes Hill, MONTREAL

REINFORCED CONCRETE CONSTRUCTIONS

FOR

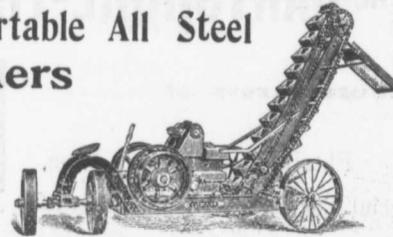
Buildings, Hydraulic and Public Works, Steel Structures, Foundations and Water Power Development.

Designs and Superintendence of Works.

Climax Low Down Portable All Steel Crushers

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

Climax Road Machine Co.
Hamilton, Canada



Crushed Stone and Slag

Best for Concrete. Any quantity shipped promptly.
Get our prices. Long distance phone 286.

Doolittle & Wilcox, Limited, Hamilton

The Toronto Pottery Company, Ltd.

Toronto, Ontario

Manufacturers and Jobbers of

Contractors' Supplies

Fire Brick, Paving Brick,

Portland Cement, Sewer Pipe

Write for prices

The Electric Blue Print Co.
40 Hospital Street, MONTREAL

BLUE PRINTS
POSITIVE BLUE PRINTS
BLACK PRINTS
MULTI-COLOR PRINTS

Best Finished Work on the Market at the Lowest Prices.

Men for Contractors

EMPLOYMENT OFFICE

Phone 4855 WINNIPEG, MAN. 868 Main St.
Men of all descriptions furnished on short notice for railroad and building contracts.

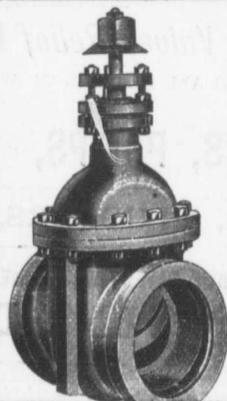
Special Attention Given to Furnishing Gangs.

E. E. BRYANS & CO.

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.



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.

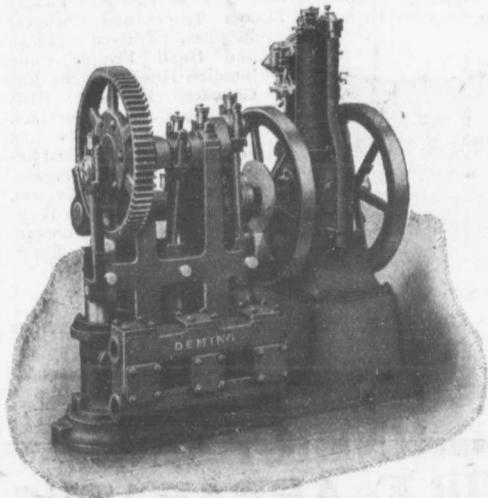
THE KERR ENGINE CO., LIMITED

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

The **British Columbia General Contract Company, Limited**
Telegraphic Address: "Dredging" **Fairfield Building, VANCOUVER, B. C.**

ENGINEERS and CONTRACTORS

Municipal Works and Buildings	Concrete Construction	Railways
Bridges	Harbor Works	Dredging and Reclamation



We manufacture and carry in stock

TRIPLEX POWER PUMPS
DUPLEX STEAM PUMPS
SINGLE CYLINDER STEAM PUMPS

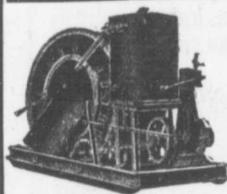
For every service

Our 110 page Catalogue "G" containing a great deal of valuable information will be mailed on application

DARLING BROTHERS, LIMITED

Branch Offices: **TORONTO**
WINNIPEG

Reliance Works: **MONTREAL**



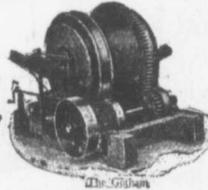
The Stanley



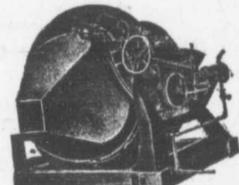
The Stanley



The International



The Stanley



The Stanley



The Kersting



The Kersting



The Kersting

CONCRETE MIXERS

Of 14 distinct types and in many sizes.
 Capacity 2 to 75 cubic yards per hour.
 Most up-to-date in the market.
 Of best material and workmanship.
 Prices \$100.00 and upwards.
 Hand, Gravity and Power.
 With power (Steam, Gasoline or Electric) if required.

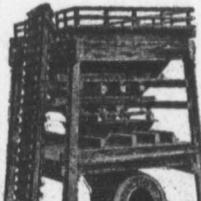
Made by the **UNITED CONCRETE MACHINERY CO.**

Sold by

E. F. DARTNELL, - Montreal



The Kersting



The Kersting



BANCO ZAROSSI

Italian Licensed Labor Contractor
460 St. James St., MONTREAL

All kinds of Italian Laborers furnished on short notice.

T. A. MORRISON & CO.

204 St. James Street
MONTREAL

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

The Military Camp
at Laprarie was
Beautifully Lighted
by an

ECLIPSE

ACETYLENE
GENERATOR

The Utmost Satisfaction
for
The Least Cost

Why not Light Your Camp
or Construction Offices?

The Continental Heat &
Light Co.
MONTREAL

Blue Lake Brand Portland Cement

MADE BY

THE ONTARIO PORTLAND CEMENT Co. LIMITED.

HEAD OFFICE : BRANTFORD, ONT. LONG DISTANCE 'PHONE 94

McGREGOR & McINTYRE, LIMITED

67 to 91 Pearl Street, Toronto, Ont.

STRUCTURAL IRON WORKS

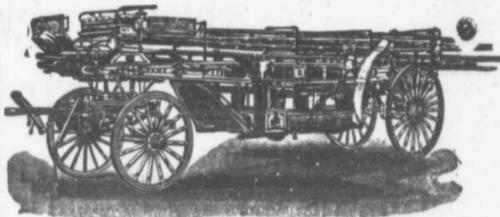
Fire Escapes, Library Racks, Sidewalk Door, Jail Cells, Iron Stairs, Railings, Etc., Etc.

SOLE AGENTS FOR DUPLEX HANGERS

WRITE FOR ESTIMATES.

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

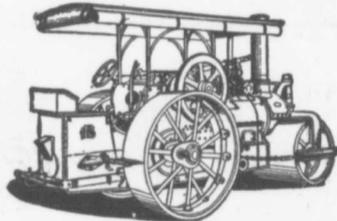
Prompt attention given all inquiries. All goods built to order.

Long Distance
Phones 686 and 684

W. E. SEAGRAVE, WALKERVILLE ONT.

"WATEROUS"

**ROAD MACHINERY AND
FIRE APPARATUS**



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

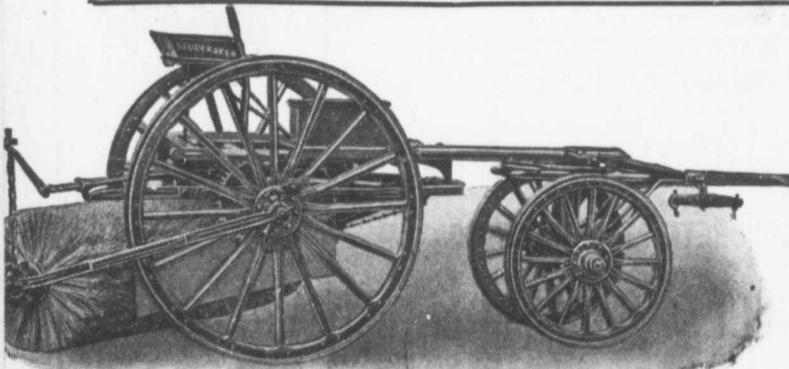
We Rebuild other makes of
Fire Engines with our
patent Boiler.

BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

IN THREE SIZES—10, 12 and 16 ton.

CORRESPONDENCE SOLICITED.

HUGH CAMERON & CO., Selling Agents, 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

Stackpole Patent Improve Street Sweeping Machine Is the Standard of Perfection We also make an . . .

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 moving parts and the

Cover Your Pipes With
ENGLISH MINERAL WOOL
 Of Superior Quality.
ALBERT CHAMBERLAIN.
 10 1/2 Terauly St. TORONTO.
 Sole Agent

PUBLIC WORKS

An Illustrated Magazine
 of
 Civil Engineering

Quarterly. 1/-

Annual Subscription, Home and Abroad, 5/- post free, payable in advance. Circular giving full details of the contents of Vols. 1 to 5, post free on application. Specimen Copy, post free, 1/-.

For Particulars of Advertisement Rates apply to the Advertisement Manager

A list of Technical Publications issued by the St. Bride's Press, Ltd, will also be sent free on application.

LONDON :

St. Bride's Press, Ltd.
 24 Bride Lane, Fleet Street, E.C.

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

WATER VALVES
 HYDRANTS and
 WATERWORKS
 SUPPLIES

OF ALL KINDS

N.B. THE LARGEST VALVE IN THE WORLD

is a Fairbanks Gate Valve 109 in. opening in use at Niagara Falls. We will send a picture of this valve free on request.



Send for Valve and Hydrant Catalogue

The **Canadian Fairbanks Co., Limited**
 MONTREAL TORONTO WINNIPEG VANCOUVER

"RAVEN" PORTLAND CEMENT

— Unexcelled for Strength and Uniformity —

RAVEN LAKE PORTLAND CEMENT CO.
 Limited

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

WILLIS CHIPMAN

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

Cable: Ackcoll

J. J. COLLINS

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

LEA & COFFIN

and H. S. FERGUSON

ENGINEERS

Waterworks, Sewerage, Water Powers
Pulp and Paper Mills
Coristine Building - MONTREAL

RODERICK J. PARKE

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

CONSULTING ELECTRICAL ENGINEER.

Electrical Light and Power.
Steam Plants, Gas Power Plants, Water
Power Plants.
Estimates Tests, Reports, Valuations.

52-53 Jones Building - TORONTO, CAN.
Long Distance Telephones - Office and Residence
Cable Address "Rodparke" (W. U. Code.)

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**WATER SUPPLY APPLIANCES**

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

**Wood and Steel Tanks,
Steel Substructures.**

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

ONTARIO WIND ENGINE AND PUMP CO., LTD.

WINNIPEG TORONTO MONTREAL

John H. Jackson**CIVIL ENGINEER**

WATER POWER, ELECTRIC RAIL-
WAYS, STRUCTURAL STEEL.
Niagara Falls, Canada

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

A. W. Connor, B.A., C.E. E. R. Clarke, B.A.Sc.

W. Monds, B.A.Sc.

CONNOR, CLARKE & MONDS**CONSULTING ENGINEERS**

Hydraulic, Municipal and Railway Work; Long
Distance Power Transmission; Machinery;
Pumps; Complete Industrial Plants; Fire-
proof Steel or Reinforced Concrete Office and
Mill Buildings; Bridges, Towers, etc.

CEMENT TESTING LABORATORY
36 TORONTO ST. TORONTO, ONT.

300 MEN

Employed in cement walks, kerb and gutter, Pav-
ing and Building Construction. We can do work
QUICKER, CHEAPER, BETTER, than small con-
tractors.

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

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.

THE CANADIAN SEWER PIPE CO.

MANUFACTURERS OF



FOR

Sewers, Culverts and Water Pipes
Inverts for Brick Sewers

WRITE FOR DISCOUNTS

ST. JOHNS, P.Q.

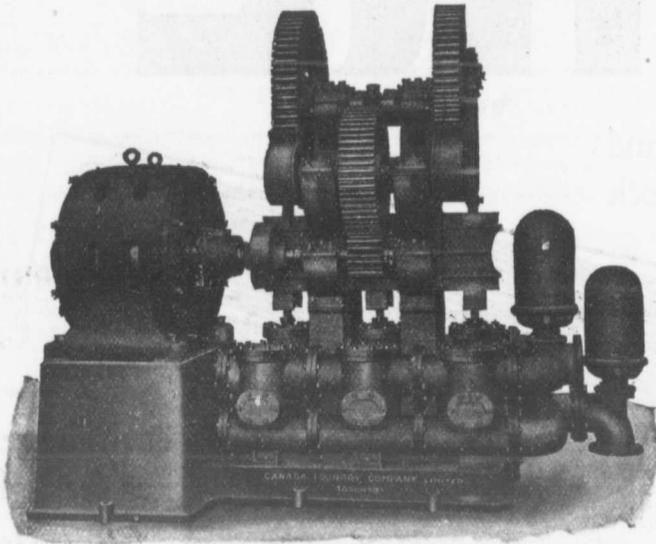
HAMILTON, ONT.

TORONTO, ONT.



Triplex Power Pumps

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



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

All styles and sizes for all duties.

A full line of waterworks' supplies carried in stock.

Write for Catalogue.

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

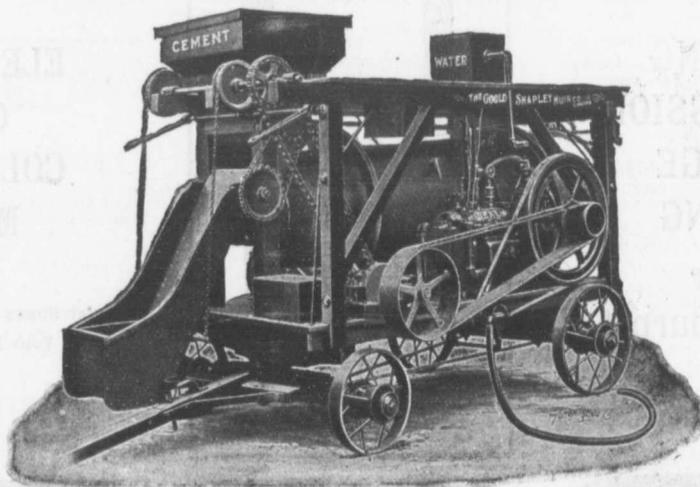
CANADA FOUNDRY CO., Limited

Head Office and Works: TORONTO, ONT.

District Offices: MONTREAL HALIFAX OTTAWA WINNIPEG VANCOUVER ROSSLAND

Ideal Automatic Concrete Mixers

The Only Successful Automatic Mixer Made



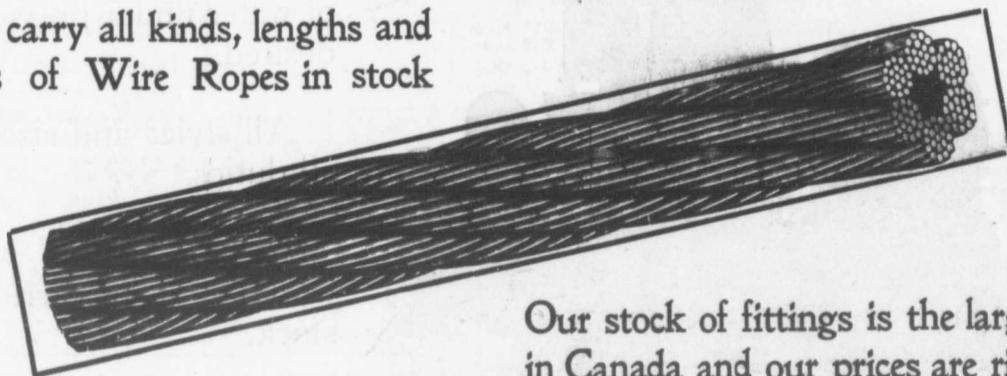
We also manufacture **Windmills, Tanks and Towers** for Waterworks, Fire Protection, Etc.

WE INVITE CORRESPONDENCE

GOULD, SHAPLEY & MUIR COMPANY, LIMITED
BRANTFORD, CANADA

WIRE

We carry all kinds, lengths and sizes of Wire Ropes in stock



Our stock of fittings is the largest in Canada and our prices are right



DOMINION WIRE ROPE CO.,

NEW IMPERIAL BANK BUILDING,
MONTREAL

Dunn Bros. & Co., WINNIPEG Agents

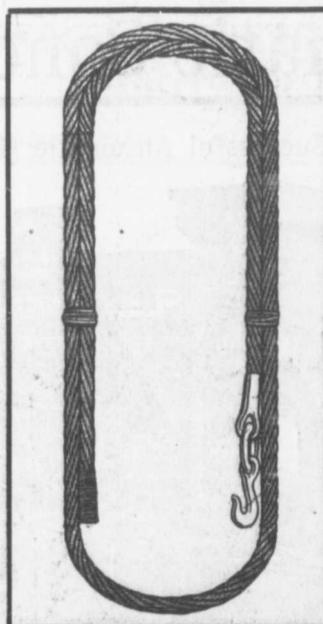


WIRE ROPE

FOR

HOISTING
TRANSMISSION
HAULAGE
LOGGING

and all other
purposes



WIRE ROPE

FOR

ELEVATORS
GUYS
COLLIERIES
MINES

Special Ropes Manufactured to Suit
Your Requirements

ROPE