

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 — JULY 18, 1906 — WINNIPEG, VANCOUVER

No. 20

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

As an intermediate Edition of the Canadian Architect and Builder.

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

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

CONFEDERATION LIFE BUILDING, TORONTO
Telephone Main 2362.

Branch Offices:

Room B34, Board of Trade Building, Montreal,
Telephone Main 2999.

750-751 Union Bank Building, Winnipeg,
Telephone 1274.

Davis Chambers, 415 Hastings St., Vancouver,
B. C. Telephone 2248

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

The Royal Institute of British Architects, London.

Examination for Admission as Associate.

An examination for admission as Associate of
the Royal Institute of British Architects, Lon-
don, will be held in Toronto, from the 16TH to
23RD OF NOVEMBER, 1906.

Full particulars and all information regarding
this examination can be had by applying to F.
S. Baker, Honorary Secretary for Canada, Mail
Building, Toronto.

SIDEWALKS

Tenders will be received by the undersigned
up to the 25TH INSTANT, for making at least
1,000 yards of Cement Sidewalks in this Village.

WM. MILLAR,
Clerk.

Dated at New Hamburg, July 10th, 1906.

Tenders Wanted

Sealed tenders will be received by the under-
signed up to 7 o'clock p. m. on FRIDAY, THE
27TH DAY OF JULY, 1906, for constructing tar,
gravel and plank sidewalks in the town of
North Toronto, County York, as per plans and
specifications which can be examined at the
Town Hall and specially at sight of Walks from
five to six o'clock p. m. on Saturday, the 21st
day of July, 1906. The Town Engineer to be
present to explain as to same.

Tenders to be at a rate per lineal foot for the
4 feet in width, to include lanes, private entranc-
es and road crossings.

A certified cheque for \$25 to accompany each
tender to be payable to the undersigned which
will be returned when the successful tenderer
enters into contract with the Town.

The lowest or any tender not necessarily ac-
cepted.

Write on outside, tender for sidewalk.

(Signed) W. J. DOUGLAS,

Clerk and Treasurer

Town North Toronto,

Hglington, P. O., County York, 16th July, 1906.

CANADIAN

CITY OF SASKATOON

Province of Saskatchewan

TENDERS FOR WATERWORKS, SEWER- AGE AND ELECTRIC EQUIPMENT

Tenders will be received by the Secretary,
Treasurer of the City of Saskatoon, Sask., until
8 p. m. on

TUESDAY, AUGUST 14TH, 1906

for the following works:

Contract "A"—Labor pipelaying on water-
works and sewers.
Contract "B"—Power house and chimney.
Contract "C"—Water tower and foundation.
Contract "D"—Cast-iron pipes and specials.
Contract "D 1"—Wooden stave pipe.
Contract "E"—Fire hydrants, valves, etc.
Contract "F"—Sewer pipes and junctions.
Contract "G"—Pumping machinery.
Contract "H"—Boilers.
Contract "J"—Electric light engine.
Contract "K"—Electric lighting equipment.

Plans and specifications may be seen at the
office of the Chief Engineer, 103 Bay street, Tor-
onto, Ont., or at the office of the Secretary-
Treasurer, Saskatoon, Sask. No tender neces-
sarily accepted.

JAS. CLINKSKILL, ESQ., Mayor, Saskatoon,
Sask.; ADAM TURNER, ESQ., Secretary-Treas-
urer, Saskatoon, Sask.; WILLIS CHIPMAN, C.
E., Chief Engineer, 103 Bay street, Toronto, Ont.

THE PROVINCE OF SASKATCHEWAN

DEPARTMENT OF PUBLIC WORKS

TENDERS FOR THE SUBSTRUCTURE

Of Traffic Bridge at Battleford

Sealed tenders addressed to "The Deputy
Commissioner of Public Works, Regina, Sask."
and endorsed "Tenders for Battleford Bridge"
will be received up to 4.30 p. m., MONDAY,
AUGUST 13TH, 1906, for the contract of all mat-
erials and the construction of eight (8) concrete
piers and two (2) abutments for a traffic bridge
over the Saskatchewan River at Battleford.

About 9000 cubic yards of concrete will be
required in the works.
A certified cheque for the sum of \$4,000 must
accompany each tender. The cheque will be
retained until the necessary contract and bond
are executed and the work commenced.

The cheques of unsuccessful bidders will be
returned after the contract is signed.

The right is reserved to reject any or all bids
or waive any defects.

Plans, specifications and all information may
be obtained on application to the undersigned.
Dated at Regina, Sask., June 29, 1906.

F. J. ROBINSON
Deputy Commissioner of Public Works

TENDERS

will be received by the undersigned up to
WEDNESDAY, THE 1ST DAY OF AUGUST,
for building an Iron Bridge (with stone or con-
crete abutments) over Big Creek, in the Town-
ship of Onondaga, in the County of Brant.
Specifications can be seen at the Clerk's office
in the Village of Middleport.

S. J. MCKELVEY,
Clerk.

Tuscarora, P. O., July 9th, 1906.

PORT ELGIN WATER WORKS

Sealed tenders will be received by the Village
Clerk until 8 p. m. on

TUESDAY, JULY 24TH, 1906,

for the construction of a system of Water Works
for the Town of Port Elgin.

The works will be subdivided as follows:
Contract "A"—Labor on Pipelaying, about 14,-
000 feet.

Contract "B"—Pump House.
Contract "C"—Water Tower and Foundation.
Contract "D"—Cast Iron Pipes and Specials.
Contract "E"—Fire Hydrants and Valves.
Contract "G"—Pumping Machinery.
Contract "H"—Boilers.

Contract "I"—Well and Gallery.
Plans and specifications may be seen at the
Town Hall, Port Elgin, or at the office of the
Chief Engineer, Toronto, on or after July 6th,
1906.

D. GEDDES, Esq., R. MUNRO, Esq.,
Reeve Village Clerk,
Port Elgin, Ont. Port Elgin, Ont.
WILLIS CHIPMAN, Esq., C. E.,
103 Bay Street, Toronto, Ont.

DEBENTURES FOR SALE

TOWNSHIP OF DERBY - COUNTY OF GREY

Sealed lump tenders will be received by the
undersigned up to 3RD AUGUST, 1906, at 6
o'clock p. m. for the purchase of Drainage De-
bentures of the following description: Twenty
of \$150 each, including both principal and
interest, payable at the Traders Bank in the
Town of Owen Sound on the 10th day of Decem-
ber in each year, the first to fall due on the 10th
day of December, 1907, and the last on the 10th
day of December, 1926. The Debentures will be
deposited in the said Bank and delivered on the
receipt of the purchase price in a lump sum on
or before the 31st day of August, 1906.

For further particulars apply to the Town-
ship Solicitors, Messrs. MacKay, Sampson &
Telford, Box 100, Owen Sound, or to
WILLIAM BEATON, Td. Clerk,
Township of Derby, Box 39, Kilsyth, Ont.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE.]

POSITION WANTED

Situation wanted by experienced architectural or builders' superintendent. Recommendations supplied. Box 84, CONTRACT RECORD.

FOR SALE CHEAP

About 75,000 ft. Best quality Scotch Sewer Pipe Sizes 7" to 18" diameter, ex S/S "HERSTIA" on wharf Halifax, N. S. and St. John, N. B. For particulars apply to

HYDE & WEBSTER,
Montreal, Que.

TO CONTRACTORS

Tenders, separate or bulk, will be received by the undersigned up to noon of JULY 30th, for the several trades works required in the rebuilding of Christ Church, Tyndinaga Indian Reserve, near Deseronto, for the Interior Department, Ottawa.

Plans and specifications may be seen on and after the 20th inst. at the offices of the undersigned, Belleville, the Rectory, Deseronto and Power & Son, architects, Merchant's Bank Chambers, Kingston.

The lowest or any tender not necessarily accepted.

AYLESWORTH, ESQ., Indian Agent,
County Buildings, Kingston, Ont.

CONTRACTS OPEN.

RED DEER, ALTA.—E. Michener intends building a business block here.

WEYBURN, SASK.—W. H. Hunt intends erecting a new post office this season.

VICTORIA, B. C.—W. H. Gee has purchased a site near Oak Bay ave., for residence.

MAGOG, QUE.—Improvements are to be made to the waterworks system to cost \$8,000.

REVELSTOKE, B. C.—R. Howson is preparing plans for a business block to cost \$40,000.

ST. JOHN, N.B.—J. F. Williamson will build a machine shop next to the Court block.

STANSTEAD, QUE.—The Council have decided to construct a new lock-up and fire station.

COBALT, ONT.—Some Arizona capitalists are considering the erection of a smelter here.

NORTH BATTLEFORD, SASK.—The C.N.R. will erect a large freight warehouse here.

ARROWHEAD, B.C.—Preparations are being made to rebuild the stores recently burned here.

AMHERST, N.S.—N. A. Rhodes and W. A. Fillmore will erect a large brick block on Church street.

STRATHCONA, ALTA.—Tenders have been taken for erection of a residence for J. J. Duggan.

GYPSUMVILLE, MAN.—The Manitoba Gypsum Co., purpose rebuilding their mill recently burned.

DAUPHIN, MAN.—D. C. McKinnon is having plans prepared for a large hotel building on Main street.

MANOR, SASK.—The Northern Bank have made preparations for erection of a two storey brick building.

OSHAWA, ONT.—Tenders will soon be called for the construction of a steel bridge with concrete abutments.

CHATHAM, ONT.—Tenders will soon be called for repairs and renovations of Central and McKeough schools.

ROSTERN, SASK.—A by-law has been carried to raise \$3,000 for improvements, etc., for the fire department.

PETERBORO, ONT.—It has been decided to locate one of the Provincial Normal schools here, cost \$50,000.

ADAMSVILLE, N.B.—R.A. Frechet, architect, Moncton, will receive tenders

up to July 21st for erection of a church here.

ODESSA, ONT.—Mrs. Geo. J. Ham, of Mexico City, intends donating \$1,000 towards a new public library building here.

SHOAL LAKE, MAN.—On July 21st a by-law will be voted on to loan \$15,000 to Randa I & Greenshaw to erect a flour mill.

PORTAGE LA PRAIRIE, MAN.—A by-law will be voted on August 7th to raise \$50,000 for sewage and water system.

CHESLEY, ONT.—The Provincial Board of Health have approved of the plans for the water system here, cost \$30,000.

OAKVILLE, ONT.—By-laws will be voted on August 10th for raising \$40,000 for waterworks and \$10,000 for electric light plant.

WOLSELEY, SASK.—E. C. Brown will receive tenders up to August 1st for purchase of \$20,000 five per cent debentures.

HUNTSVILLE, ONT.—The Council gives notice of its intention to construct sewers in Main street, from Lorne street to Muskoka river.

TREHERNE, MAN.—Hooper & Walker, architects, Winnipeg, have taken tenders for erection of a brick school house here.

VERMILLION, ALTA.—The Methodist congregation will build a church to cost \$3,400.—Price & Prentice purpose building a hotel here.

OWEN SOUND, ONT.—The First Methodist church will erect a Sunday school building, near corner of St. Vincent and Douglas streets.

STRATHCONA, ALTA.—A. T. Mode will receive tenders up to September 4th for purchase of \$15,000 five per cent. school debentures.

LYN, ONT.—B. Dillon, architect, Brockville, will receive tenders up to July 21st for erection of an addition to Anglican church rectory.

BARRINGTON, N. S.—A.H. Doane, Municipal Clerk, will receive tenders up to August 10th for purchase of \$6,000 four per cent. debentures.

CARBERRY, MAN.—Geo. Balfour will receive tenders up to July 23rd for cast iron water pipe and special castings, fire hydrants and gate valves.

ST. LAMBERT, QUE.—Tenders will be received up to July 21st, for erection of a town hall. A. Verne, architect, 15 St. Lawrence boulevard, Montreal.

BRACEBRIDGE, ONT.—G. R. Jones, Town Engineer, will receive tenders up to July 23rd, for construct on of 30,000 square feet cement sidewalk.

GLACE BAY, N.S.—The Dominion Coal Company are preparing plans for a wharf along the harbor, and a spur of railway from No. 2 colliery to the harbor.

REGINA, SASK.—The Dominion Bank purpose building a three-storey building here.—John Gunn & Sons, Winnipeg, will build a large warehouse here.

CHILLIWACK, B.C.—N. F. Mackay Deputy Commissioner of Lands and Works, Victoria, has taken tenders for the erect on of a two-storey school building here.

CALGARY, ALTA.—H. E. Gills, City Clerk, is this week receiving tenders for construction of concrete sidewalks in the city, also for construct on of water mains.

GODERICH, ONT.—The Town Council gives notice of its intention to construct cement sidewalks on Culborne, St. Patrick, Hamilton, Trafalgar and Bruce streets.

DUNDAS, ONT.—Tenders will be received up to July 21st for heating of post office. Applications to be made to R. T. Wilson, or to A. W. Peene, architect, Hamilton.

DUNNVILLE, ONT.—The Dunnvill, Wellandport & Beamsville Electric Railway Co., purpose building a line from this town to Lake Ontario. J. D. Bennett, Beamsville, is a director.

VICTORIA, B.C.—W. W. Northcott, Superintendent of Public Works, has taken tenders for alterations and additions to Oaklands fire hall, also for repairs to city hall and market.

STRATFORD, ONT.—It is stated that a Normal school will be established here, cost \$50,000.—The proposed by-law for extension of city waterworks at cost of \$18,000 has been approved.

BRANTFORD, ONT.—Building permits have been issued to S. Hartley, for a brick house on Pearl street, cost \$1,400; and E. Tanton, for brick dwelling on Duke street, cost \$1,800.

HALIFAX, N.S.—The City Engineer has recommended the construction of permanent sidewalks on Hells, Barrington, Pleasant, Bishop, Sackville and Prince streets and Bedford row.

PRINCE ALBERT, SASK.—The C. N. R. intend erecting a station here to cost \$12,000.—Tenders have been taken by Geo. Will for erection of a mill building for Farmers' Milling and Elevator Co.

LETHBRIDGE, ALTA.—Plans for the new C.P.R. bridge over the Belly river have been completed.—W. Oliver will erect a two story brick block on Round street, next to the Dalas Hotel.

MONCTON, N.B.—C. H. La Billiois, Department of Public Works, Fredericton, will receive tenders up to August 6th, for metal superstructure for Halls Creek bridge. Plans at the Department.

BRANDON, MAN.—W. A. Elliott has taken tenders for plumbing and steam-heating in Ladies' Building, Brandon College.—The Brandon Machine Works Co. have decided to begin at once to erect their new offices and warehouse.

MEDICINE HAT, ALTA.—The C. P. R. intend building a large repair shop here, also enlarging the round house.—Tenders have been taken for erection of a brick and cement block warehouse for North West Jobbing and Commission Co.

CROSS POINT, QUE.—F. Gelinias, Department of Public Works, Ottawa, will receive tenders up to August 2nd, for building an extension to wharf. Plans at the Department, with Postmaster here, and with Ph. Beland, Post Office building, Que.

NORTH BAY, ONT.—This town has been chosen as the location for one of the new Normal schools. F.R. Heaker, Provincial architect, has prepared plans, cost \$50,000.—The Montreal Reduction & Smelting Co. have purchased a site for a smelter.

PORT COLBORNE, ONT.—L. K. Jones, Department of Railways and Canals will receive tenders up to August 15th, for erection of an 800,000 bushel elevator. Plans with Chief Engineer at the Department and with J. A. Jamieson, Board of Trade building Montreal.

WELLAND, ONT.—Dietrick & Kennedy will receive tenders up to 18th inst. for erect on of a house for G. R. Boyd.—L. K. Jones, Department of Railways and Canals, will receive tenders up to July 26th for construction of a turning basin and dock. Plans with Superintending Engineer, St. Catharines.

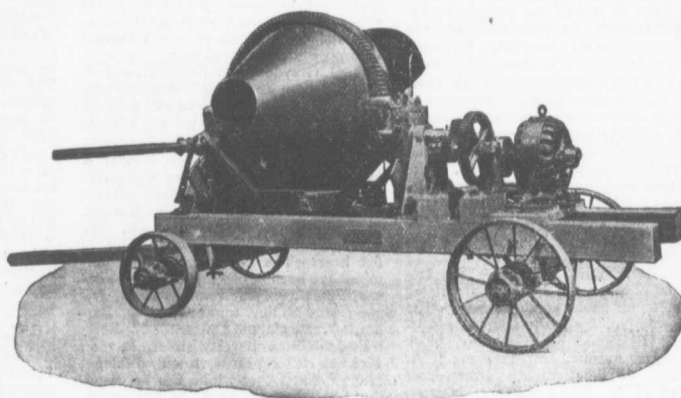
ST. JEAN, I. O. QUE.—F. Gelinias, Department of Public Works, Ottawa, will receive tenders up to July 27th for an extension to wharf here. Plans at the Department or with Postmaster here,

The **SMITH** **CONCRETE** **MIXER**

BETTER THAN EVER
MORE POPULAR
THAN EVER
SALES GREATER
THAN EVER

WHY?

Because we build the machine of the best material, with the best workmanship, with the result that when other machines are broken down and out of business



(Smith Mixer on Truck, Motor Driven.)

THE SMITH is still
making and saving money
for the Contractor.

W. H. C. MUSSEN & CO.

Railway, Mining and Contractors' Supplies
MONTREAL

also with C. Desjardins, Post Office, Montreal, and A. R. Decary, 5 du Fort street, Quebec.

KAMLOOPS, B.C.—N. F. Mackay, Deputy Commissioner of Lands and Works, Victoria, has taken tenders for erection of a school building at Canoe creek. — The Norma Mines, Limited, Vancouver, will receive tenders up to 23rd inst. for sinking a shaft etc. at their claim on Coal Hill. Plans with E. F. Appelbe.

PORT ARTHUR, ONT.—H. Simpson, architect, Toronto, is preparing plans for an eight roomed school building. — The International Harvester Co. purpose erecting a large warehouse here. — J. W. Morgan will receive tenders up to July 25th for plumbing and heating of the new ward school. Plans with H. Simpson, 17 Toronto street, Toronto.

QUEBEC, QUE. — The Frontenac Gas Company have completed arrangements for installing their new gas plant here. — The Dominion Parliament, in their supplementary estimates, have made the following appropriations for this city: Drill shed for school of gunnery, \$10,000; immigrant hospital, \$30,000; main store building at arsenal, \$7,000.

SASKATOON, SASK.—Mark Bros. will build a store on First avenue. — A. Turner will receive tenders up to August 14th, for pipelaying on waterworks and sewers, power house and chimney, water-tower, cast-iron pipe and specials, wooden stave pipe, fire hydrants, sewer pipe, pumping machinery, boilers, electric light engine and equipments. — Plans with above and with W. Chipman, 103 Bay street, Toronto.

EDMONTON, ALTA. — The Dominion Parliament have appropriated \$200,000 for public buildings here. — The following building permits have been issued: Brackman-Ker Company, block on Jasper avenue, cost \$12,000; J. A. Haller, dwelling, Eighth street, cost \$4,000; Mr. Fife, residence, between Hardisty and Saskatchewan avenues, cost \$2,600; A. Dodge and F. J. Dodge, three dwellings, Short street, cost \$1,200 each; Revillon Bros., warehouse, College avenue, cost \$1,200.

GANOQUE, ONT.—The following building permits have been issued: Mitchell & Wilson, two-storey frame dwelling, corner William and King streets; Joseph Dempster, two-storey cement building for livery and office, King street; Hugh Wilson, continuation of two-storey brick tenement block, Charles street; Hugh Wilson, two-storey brick dwelling, Pine street; W. G. Rogers, two-storey brick block, King street.

MONTREAL, QUE.—It has been decided to call for new tenders for No. 5 station. — The Dominion Government has decided to erect a new gaol building. — Building permits have been issued as follows: J. J. M. Pangman, residence, Ontario street, \$20,000; Robert Loring, 2-storey residence, McGregor street, \$15,000; H. J. Fuller, 3-storey residence, McGregor street, \$15,000; Montreal Steel Works, warehouse, 208 St. Etienne street, Point St. Charles, \$14,800; N. Naud, two houses, Delorimier street, \$5,000; Henry Birks & Sons, five-storey sandstone building, corner Phillips square and Cathcart street, \$150,000.

OTTAWA, ONT.—The Council gives notice of its intention to construct tar macadam pavement on Sweetland avenue from Laurier to Osgoode street and on Laurier avenue from Elgin to Percy streets. — It is reported that the Coventry Ordnance Works will establish a factory near this City for manufacture of artillery field guns, etc. — Building permits have been issued as follows: U. Carrisse, separate school building, Empress street, \$15,000; Miss E. Lepage, three brick

veneered dwellings, Daly avenue, \$4,200; R. A. Daly, solid brick house, Daly avenue, \$8,000; James Davidson, brick veneered dwelling, Maple street, \$1,700; James Davidson, three brick veneered dwellings, Maple street, \$3,300; George Ramsay, brick veneered dwelling Arthur street, \$2,800; Alex. Gamble, brick veneered dwelling, Cooper street, \$2,600.

LONDON, ONT.—The Crandall Cutley Co., of Bradford, Penn., is looking for a site for a factory here. — Building permits have been issued as follows: N. Linder, brick house on Maitland street; Frank Elson, cement and brick residence on the Cove road; Mr. Webster, brick-veneer residence, on Grosvenor street; A. E. Christie, residence on Hellmuth avenue; R. Angus, two-storey brick residence, corner William street and Princess avenue; R. H. Welburn, two-storey brick-veneer residence, 522 William street; H. J. Clarke, frame dwelling on Walnut street; George Buck, brick-veneer residence, corner Nelson and Maitland streets; J. D. Long, brick-veneer cottage, Richmond street. — Tenders for construction of new Chalmers Church will be received up to July 23rd. — A. O. Graydon, City Engineer, will receive tenders up to 19th inst. for construction of asphalt pavement on Park ave., between Queen's ave. and Dundas street.

VANCOUVER, B.C. — Hooper & Walker, architects, have completed plans for a four-storey block, corner Hastings street and Columbia avenue, for A. W. Vowell. — A. McEvoy, City Clerk, has taken tenders for 3,000 feet of fire hose. — The following building permits have been issued: J. & F. Robertson, frame dwelling, Princess street, \$1,200; Mrs. Ridley, frame dwelling, Bernard street, \$2,400; Mrs. Z. Z. Kerr, frame dwelling, Barclay street, \$2,700; Mrs. M. T. Edwards, frame dwelling, Haro street, \$3,300; John Coville, frame dwelling, Eighth avenue, \$1,500; F. A. Round, dwelling, Albert street, \$1,600; Carl Johanson, dwelling, Seventh avenue, \$1,600; Robert Gibson, frame dwelling, Hamilton and Davie streets, \$2,700; Jas. Dugan, dwelling, Fifteenth avenue, \$1,800; Jas. Borland, brick addition, Princess street, \$5,500; S. A. McLeod, dwelling, Sixth avenue, \$2,500; E. Zearn, dwelling, Eighth avenue, \$2,000. — The City Clerk will receive tenders up to August 1st for supply of cast-iron pipe for the city.

HAMILTON, ONT. — Tenders will be received by Thos. E. Hillman, C.E., Hamilton Provident & Loan Building, up to July 27th, for construction of electric railway between this city and Galt, and this city and Guelph. — The Hamilton Bridge Works Company purpose building a large addition to their plant at an early date. — The congregation of Central Presbyterian church will have plans prepared for rebuilding their church. — The Canadian branch of the Berlin Company, of Beloit, Wis., have secured a site on which they will erect ten buildings. — The Chairman of the Board of Education has been officially notified that a normal school will be built here, cost \$50,000. — The City Council gives notice of its intention to construct cement walks on Bold, Caroline and Peter streets, also pipe sewers in Peter and King streets. — It has been decided to erect a new Y.W.C.A. building on the site of the present one, to cost about \$50,000. — Building permits have been issued as follows: James Byers, two brick houses, Burreis street, \$4,000; B. Leeming, frame cottage, Hannah street.

WINNIPEG, MAN. — S. Mulvey, Secretary School Board, will receive tenders up to July 24th for purchase of

\$200,000 four per cent. school debentures. — H. B. Rugh, architect, has taken tenders for erection of a residence in Crescentwood, for J. Suckling. Same architect will receive tenders up to July 25th for a building for Keeley Institute, Fort Roage. — B. M. Fraser is arranging to erect a house on Bannatyne avenue, to cost \$3,000. — A residence will be erected on Victor street, for Johnson & Blondal, cost \$4,000. — A residence will be erected on Corona street, for C. S. Macdonald, cost over \$3,600. — A. N. Macdonald will build additions to his horse shoeing shop at 309 Elgin avenue, cost \$8,000. — C. McKenzie will build a residence on Colony street, cost \$4,000. — A residence will be erected at 659 William avenue, for G. Thomas, cost \$4,000. — W. A. Kemp is to have a residence built on Spence street, cost \$3,000. — Mrs. Wade Forrson has had plans prepared for three houses, to be erected in Rosedale, to cost \$9,600. — A residence for S. Bjornason will be erected at 433 Toronto street, cost \$3,500. — Plans have been prepared for the erection of a residence on Ethelbert street, for J. Manley, cost \$3,500. — It is estimated that a supply of hose costing \$8,000 will be required for the fire department. — The Works Committee have taken tenders for 20,000 barrels of cement, also for construction of a number of granolithic walks, sewers and pavements. — Darling & Pearson, architects, will receive tenders up to July 27th for building for Imperial Bank, corner Main street and Bannatyne avenue. — A residence will be built on Wardlow avenue, for A. G. Hopkins, cost \$4,500. — A residence is to be erected for A. McDonald on Furbystreet, cost \$4,000. — A residence will be built for W. Fleming on Langside street, cost \$3,000.

TORONTO, ONT.—A. G. Strathy & Co., real estate brokers, will erect a laundry building at 311 College street. — The same dealers have sold sites on which residences will be erected as follows: Lot on Hamburg ave., north of Main street, to Mrs. J. Pinkham; lot on Brunswick ave., north of Bloor street, to Thos. H. Scarfe, lot on Yonge street, to W. Muston; lot No. 147 Elzabeth street, to Louis Rotenberg. — H. Simpson, architect, is taking tenders for alteration to Little York Hotel. — Same architect is preparing plans for an eight-roomed school building in Port Arthur. — Mr. Simpson has also been instructed to prepare plans for an apartment house in Parkdale. — The property committee and executive council will select a site for new O.C.P.S. building. — S. B. Coon, architect, has taken tenders for erection of residence on Litz ave. — Jarvis street Baptist congregation have decided to erect a mission church on Pape ave., near Queen street, to cost \$4,000. — F. S. Baker, architect, is preparing plans for two houses on Binscarth road and one on Liszt ave., also for large departmental store and a warehouse. — Same architect will call for tenders for erection of a residence on Roxborough street east. — Tenders will soon be called for the new public library, corner St. George and College streets. — The Miller Cartage Co., have bought a site, corner Christie and Dupont streets, for large storehouse, office and stables. — Tenders will be received up to 19th inst. for enlargement of Grace church, corner Gore Vale and Arthur streets. Plans with J. W. Peter, 127 Lippincott street. — The following building permits have been issued: R. Watts, 2-storey and attic brick and stone dwelling, Rushmore road, cost \$3,800; P. Maher, 2-storey brick driving shed, 24-26 Hayden street, cost \$10,000; H. Stevens, pair 2-storey brick dwellings 30-32 Macdonell avenue, cost \$5,000; H. H. Sydam, 2-storey and attic brick dwelling, Spadina road, cost \$4,700; Alex. Faith, 2-storey brick

vener dwelling, Emerson avenue, cost \$2,500; Brunswick-Balke-Collender Co., 1-storey brick storehouse, Pacific avenue, cost \$2,500; E. D. Brown, 2-storey and attic brick dwelling, Oriole road, cost \$7,500; T. A. Russell, 2-storey and attic brick and stone dwelling, 160 Walmer road, cost \$4,775; Albert Maas, 2-storey and attic brick dwelling, Walmer road, cost \$4,500; Traders Bank, 3-storey brick and stone addition to bank, corner Avenue and Davenport roads, cost \$3,000; M. Coutemanche, two 2-storey brick dwellings, Grace street, cost \$4,500; Toronto Y.M.C.A. 2-storey brick and stone gymnasium, 17 McGill street, cost \$5,500; Chas. Coutts, pair 2-storey brick dwellings, Garden avenue, cost \$4,600; Arthur Pinel, pair 2½ storey brick dwellings, Grace street, cost \$5,000; W. W. Hill, pair 2½-storey brick dwellings, Sparkhall avenue, cost \$5,000; Jas. Laing, 2-storey and attic brick dwelling, Lynd avenue, cost \$2,500; H. S. Mara, three 3-storey brick dwellings, corner College and Grace streets, cost \$9,000; Mrs. Harry Halls, 2-storey and attic brick dwelling, Howard Park avenue, cost \$4,000; M. F. Thompson, pair 2-storey and attic brick and stone dwellings, Beatrice street, cost \$5,000; H. Larkin, 2-storey brick and stone dwellings, Erinbridge street, cost \$4,000; Board of Education, 3-storey and basement brick and stone Collegiate Institute and Gymnasium, Jamieson avenue, cost \$34,000; H. Greisman, pair 2-storey and attic brick dwellings, University avenue, near Agnes street, cost \$6,000; A. R. Williamson, 3-storey brick apartment house, near corner Esther street and

Grange avenue, cost \$14,000; R. B. Burkell, three 2-storey and attic brick dwellings, Shaw street, near Arthur, cost \$7,000; T. Gibson, four 2-storey brick dwellings, Lansdowne avenue, near Bloor street, cost \$8,000; C. O'Neil, 2-storey brick and stone dwelling, Boustead avenue, cost \$2,800; Thos. Thompson, pair 2-storey and attic brick dwellings, 195-7 Bolton avenue, cost \$4,500; Hudson Bros., 2-storey brick and stone dwelling, St. Clarens avenue, near Bloor street, cost \$3,500; F. W. Phillips, 2-storey brick dwelling, Westmoreland avenue, cost \$2,500; John Kee, three 2-storey brick and stone dwellings, Abbott avenue, cost \$7,500; J. W. Butchart, 2-storey brick and stone dwelling, Barrett avenue, cost \$2,200; National Club, 5-storey brick and stone club, Bay street, near King, cost \$115,000.

loss \$20,900.—Five-storey building, 16 Cote street, Montreal, loss \$75,000.—Four buildings at Stafford, Alta., loss \$5,000.—Store of Mr. McLeod at Beaver, Man., loss \$7,000.—Art store of R. R. Bland, London, Ont., damage \$4,000.—

FIRES.

Cataract sub-station at Grimsby, Ont., totally destroyed, loss \$25,000.—The mill of the Manitoba Gypsum Co., at Gypsumville, Man., was totally destroyed.—Flour mill of John Lee, at Arcola, Sask.,

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

ENGINEERS
Drying Apparatus
Mechanical Draft
Exhaust Systems
Pumping Machinery

CANADIAN BUFFALO FORGE CO.
MONTREAL, QUE.

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.
Citizen Building **OTTAWA**

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
4855 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.

THE BITULITHIC PAVEMENT
ADOPTED IN THE EAST AND WEST

HALIFAX: Awarded contracts for 30,000 sq. yds.—May 15, 1906.
REGINA: Awarded contracts for 15,000 sq. yds.—May 21, 1906.
Over 8,3 holes in the Trinidad Asphalt Pavement in Toronto. The Bitulithic
Pavement is "Best by Every Test."

WARREN BITUMINOUS PAVING COMPANY, LIMITED
Head Office: 164 Bay Street, **TORONTO**

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

A. & E. LOIGNON, C. E.
17 Place D'Armes Hill, **MONTREAL**
REINFORCED CONCRETE CONSTRUCTIONS

FOR
Fireproof Buildings, Hydraulic and Public Works
Steel Structures for Bridges and Buildings
Warehouses, Factories, Water Power Development



Robinson'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. Sizes 4" to 48".

Climax Road Machine Co., 64 King East, HAMILTON, CANADA

Engine shed of Bay of Quinte Railway at Tweed, Ont., completely destroyed.—Building occupied by L. Bolduc & Co., confectioners, Lachine, Que., loss \$4,000.—Queen's Medical College, Kingston, Ont., loss \$70,000.—Lumber sheds of H. Fanteaux, Fanteaux ave. St. Cunegonde, Que., loss \$7,000.—Windsor Hotel, Montreal, damage \$10,000.—Hcliton's sash and door factory, 937 Logan ave., Winnipeg, loss \$14,000.

CONTRACTS AWARDED.

PETERBORO, ONT.—Construction of sewers: R. Sheehy, contractor, at \$9,095.

CARDSTON, ALTA.—\$30,000 town debentures: J. W. Nay, Regina, purchaser.

NORTH SYDNEY, N.S.—Construction of concrete sidewalks: C. A. Lowe, contractor.

WELLAND, ONT.—New business block for Goodis & Waite: M. Vanderburg, contractor.

SYDNEY MINES, N.S.—Erection of new town hall: A. Beaton, North Sydney, contractor.

MONCTON, N. B.—Planing mill for I.C.R.: Rhodes, Curry & Co., Amherst, N. S., contractors.

GODERICH, ONT.—Construction of cement sidewalks: W. J. Anthistle, London, contractor.

LONDON, ONT.—Building on Rectory street for Geo. White & Sons: R. G. Wilson, contractor.

VICTORIA, B. C.—Enlargement of Union Club building: Thomas Catterall, contractor, cost about \$4,000.

MOOSE JAW, SASK.—\$10,000 school debentures: National Trusts Co., successful tenderers, for \$10,410.

AMHERST, N. S.—Construction of permanent sidewalks: Warren Bitulithic Paving Co., at \$2.75 per square yard.

BRANDON, MAN.—Erection of Bridge block on Eleventh street, McDougall & Ireland, contractors, cost \$25,571.

FREDERICTON, N. B.—5,000 barrels of English cement for The Maine & N. B. Electrical Power Company: J. S. Neill, contractor.

CRANBROOK, B. C.—Business block for the Fink Mercantile Co.: Kerr & Campbell of Fernie, contractors. Cost about 20,000.

OTTAWA, ONT.—Construction of C. N. R. branch from this city to Hawkesbury, 55 miles: J. T. Schell, M.P., Glengarry, contractor.

CLARESHOLM, ALTA.—Construction of water works: J. E. Woods, Pincher Creek, contractor.—Erection of hotel: Mr. Malcolm, contractor, cost \$16,000.

STRATFORD, ONT.—Construction of two bridges on the Oxford-Perth town line: Steel work, J. A. Vance, of New Hamburg; cement floors and abutments, J. Duval, Tavistock.

SASKATOON, SASK.—Store building for J. Clinksill: Hoge & Thompson, contractors.—\$30,000 five per cent. debentures: National Trust Co., successful tenderers, for \$30,674.

ST. CATHARINES, ONT.—Construction of sewers on Clark and Niagara streets, City Engineer, contractor.—Laying of asphalt block pavement on Church street, Langley & Cook, contractors, cost \$30,851.82.

ST. STEPHEN, N. B.—Power plant and supplies for water system: Steel bars for concrete work, Portland Rolling Mills, St. John; iron gates, Renssler Valve Co., Troy, N. Y.; special castings, Montreal Pipe Foundry Co., Londonderry, N. S.; pumping plant, Olds Gas Producer Co. Cost \$26,350.

EDMONTON, ALTA.—Installation of

water mains: Shannon & Graham, successful tenderers, at \$11,334.—Taylor, Boucher & Peters have secured the following contracts: Concrete trunk sewer along Rat creek, cost \$162,556; concrete sewer on Mackenzie avenue, cost \$17,925; pipe work in sub-mains, \$12,485.

WINNIPEG, MAN.—Grain elevator at Point Douglas for Canada Paint Co.: Northern Construction Co.—Frontenac apartments: Masonry, W. Griffiths; carpentry, J. E. James; painting and glazing, J. A. Payne; electric wiring, Shipman Electric Co., cost \$54,500.—St. Pauls church: Northern Construction Co., successful tenderers, cost about \$50,000.—Icelandic Good Templars' Lodge: Masonry, Sveinn Brongorffson; electric work, Mr. Hudson; plumbing, C. L. Robb.

GUELPH, ONT.—Two storey brick house, corner Glasgow and Kent streets, for City Treasurer Scroggie: Masonry, S. Rundle; carpentering, Hebden & Johnston; plastering J. J. Mahoney; painting, Dennis & Moore; plumbing, Mahoney Bros.; heating, H. Occomore; tinsmithing, W. Sunley. McPhie & Mahoney, architects.—Enlargement of greenhouse at Ontario Agricultural College: Superstructure, King Construction Co., Toronto; sub-structure, Guelph Cement, Brick & Paving Co., cost about \$5,000.

DELHI, ONT.—Tenders were received by John S. Fielding, C.E., consulting engineer, 15 Toronto street, Toronto, for concrete dam for the Delhi Light & Power Co. as follows: Jenks & Dresser, \$23,094; John C. Webb, \$21,925; Frazer & Eichele, \$18,886.11; D. McDermid, \$17,556.75; O. D. Oatman, \$16,414.50; A. C. Stewart & Co., \$15,864.20; David Chalmers, \$15,100.30; Patterson, Ellis & Whelehan Co., \$15,231; Brantford Building & Paving Co., \$14,949; A. E. Oakley & Co., \$12,730.65; A. Winger & Son, \$12,700. The contract was awarded to A. Winger & Son.

TORONTO, ONT.—Residence in Rosedale for T. Rennie: Carpentry, J. McKenzie; brickwork, R. Chalkley & Son.—Residence on Bedford road for H. E. Bydwell: Brickwork, R. Chalkley & Son; carpentry, R. J. Batt.—Residence on Admiral road for J. D. Prentis: Brickwork, A. Davidge; carpentry, J. Hoops.—Residence on Broadview avenue for A. E. Walton: Carpentry, T. D. Liddell; brickwork, Chas. Bully. H. Simpson is architect of the above named buildings.—Traders Bank building, corner Bloor and

Yonge streets: Masonry, Wickett Bros.; steel work, Locomotive Machine Co., Montreal; carpentry, Walker & Robertson; fire-proofing, Expanded Metal Co.; plastering, Dancy Bros.; ornamental iron works, Canada Foundry Co.; marble work, McIntosh & Gullett; plumbing and heating, Purdy, Mansell & Co.; tinsmithing and roofing, A. B. Ormsby & Co.; painting, Jos. McCausland & Son. F. S. Baker, architect.—Residence on Walmer road for A. Maas: Masonry, Conery & Hillman; carpentry, Moir & McCall; plastering, A. J. Madden; plumbing and heating, J. W. Oram. F. S. Baker, architect.—Constructing & Paving Co. have secured the contracts for the following asphalt pavements: Broadview avenue, Gerrard street to Danforth avenue, cost \$29,334; Queen street, Niagara to Gladstone, cost \$28,885; Queen street, Gwynne to Roncesvalles avenues, cost \$25,667; Delaware avenue, Bloor street to Shanley avenue, cost \$4,985.

STEEL

HIGHWAY

BRIDGES

JENKS & DRESSER

SARNIA, ONT.

BUILDERS OF

STEEL HIGHWAY BRIDGES

STRUCTURAL STEEL WORK

CONCRETE ABUTMENTS

PORTLAND CEMENT.

SEWER PIPES

FIRE BRICKS

FIRE CLAY

ALEX. BREMNER

50 Bleury Street, MONTREAL



DRILLING CONTRACTORS

WATER, SALT, OIL AND GAS WELLS

to any depth from 100 to 3000 feet. Contracts taken in any part of Canada. Excellent references. Estimates, Geological Reports, Expert Drillers and Complete Drilling Rigs Furnished.

JAMES PEAT & SONS

Established 1865. PETROLEA, ONT.

JUNE BUILDING OPERATIONS.

In Toronto, for the month of June there were 571 building permits issued, the estimated value of which is \$1,350,142. This makes a total of \$6,195,470 for the first six months of this year, showing an increase of \$1,701,144 in value of buildings erected, as compared with the same period of last year.

In Montreal, there were 166 permits for new buildings granted, of an estimated value of \$2,343,579. For alterations 55 permits were issued, valued at \$72,585. The estimated value of buildings erected there up to the end of June totals \$4,990,375, showing an increase of \$2,126,536 over last year.

In Winnipeg, there were 416 building permits issued valued at \$1,285,250. This shows a decrease of \$739,150 as compared with June of 1905.

In Hamilton the value of buildings for which permits have been taken out for the first six months of 1906 is \$760,000, an increase of about \$30,000 over the record of the same period last year.

In Vancouver permits were issued in June to the value of \$296,000, whereas in June of 1905 their value was \$131,500.

JOHN T. FARMER

MECHANICAL and
HYDRAULIC ENGINEER

416 Coristine Bldg. - MONTREAL

A. LEFRED

(Graduate of McGill).

Consulting Engineer

WATERWORKS A SPECIALTY.

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

Storage

IN BOND OR FREE

We have every facility to transfer, forward and store all kinds of merchandise. Two track warehouses. Low insurance rates.

TEES & PERSSE, LTD.

315-319 William Avenue,
Winnipeg.

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.

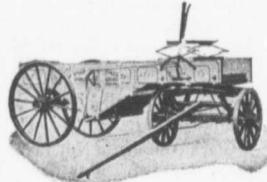
STONE AND GRAVEL SPREADERS

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. Canada
Hamilton



THE JOHNSON CORRUGATED STEEL BAR

FOR

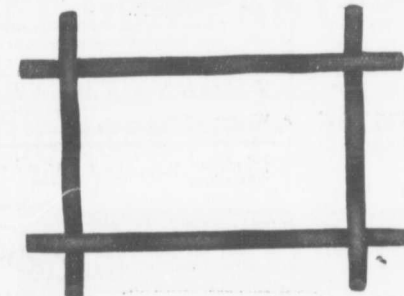
REINFORCED CONCRETE

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 CO.
LIMITED
HAMILTON, ONT.
MONTREAL, QUE.

**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

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

L. H. GAUDRY & CO., Canadian Agents for Robt. MacLaren & CO., Glasgow **QUEBEC, P. Q.**

NEW COMPANIES.

Canadian Consolidated Rubber Company, Limited, Montreal, incorporated, capital \$5,000,000. Promoters, E. F. Surveyer, A. C. Casgrain and others.*

Gatineau Drive Company, Limited, Hull, Que., incorporated, capital \$20,000. Promoters, J. Gilmour, W. C. Edwards, and others, all of Ottawa.

Northern Engineering & Supply Company, Limited, Fort William, Ont., incorporated, capital \$100,000. Promoters, J. Crerar, Chicago, W. J. Ross, Fort William, and others.

Clark Automatic Nut-Lock Company, Limited, Montreal, incorporated, capital \$500,000. Promoters, J. D. Good, E. James and others.

Para Construction Company, Limited, Toronto, incorporated, capital \$2,000,000. Promoters, J. S. Lovell, W. Bain and others.

Peterborough Lumber Company, Limited, Peterborough, Ont., incorporated, capital \$40,000. Directors, G. Lenton, J. Thompson and D. Davidson.

Howard Cooperage & Lumber Company, Limited, Ridgeway, Ont., incorporated, capital \$30,000. Directors, D. A. Leitch, A. Leitch and others.

Berlin Building & Supply Company, Limited, Berlin, Ont., incorporated, capital \$40,000. Directors, J. A. Lang, H. Krug and others.

Amalgamated Cobalt Mines, Limited, Toronto, incorporated, capital 1,000,000. Directors, G. M. Clark, T. C. Russell and E. M. Lindsay.

Wabi Cobalt Silver Mining Company, Limited, Cobalt, Ont., incorporated, capital \$500,000. Directors, J. R. Gamble, T. Langton and others.

Cobalt Diamond Drilling & Development Company, Limited, Toronto, incorporated, capital \$50,000. Directors, S. Jenkins, D. Ponton and G. J. Ashworth.

Supreme Heating Company, Limited, Owen Sound, Ont., incorporated, capital \$200,000. Directors, S. J. Parker, A. J. Ross and others.

The city of Calgary has recently placed a large order for wood stave pipe with the Canadian Pipe Company, of Vancouver, B.C. The pipe supplied by this firm last year having been tested, was found to be working in a perfectly satisfactory manner. This company have sent a large shipment of wooden pipe to Niagara Falls, Ont., and are filling an order for Regina. They also have in hand a \$38,000 contract with Vancouver for stave pipe of 30 and 36 inch diameter for the new intake up the Capilano canyon.

SAMSON CEMENT

MANUFACTURED BY

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

Works at SHALLOW LAKE, ONT.

Write us for prices.

Crushed Stone and Slag

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

Doolittle & Wilcox, Limited, Hamilton



"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.

W. S. CALVERT, M.P. GEO. S. MAY, M.P.P. F. B. POLSON J. A. McANDREW A. ARDAGH
Strathroy Ottawa Toronto Toronto Toronto

TELEPHONE MAIN 6730



302, MANNING CHAMBERS,
West Queen St

TORONTO

Write for Pamphlet

Write for Instructions for Use

CONCRETE MIXING MACHINERY

14 Distinct types of Mixers
3 Types of Measurers and Feeders
for Concrete aggregates

DERRICK BOXES

STORAGE BINS

&C., &C., &C.

SEND FOR CATALOGUES

E. F. DARTNELL, MONTREAL

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

FROST-PROOF CULVERT PIPE

We have on hand large stocks of 6, 8, 10, 12, 15, 18, 21, 24, 27,
30 and 36 inch well matured

Reinforced Concrete Culvert and Sewer Pipe

FROST-PROOF AND PRACTICALLY INDESTRUCTIBLE

Larger sizes made to order—We also make an Oval or Egg shape
Sewer Pipe 2' x 3' for City and Town Sewers

RAILWAY CULVERT PIPE A SPECIALTY—Orders Solicited

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

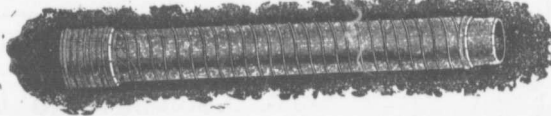
FIRE ESCAPES

Wire Screens for Road Making

Wrought Iron and Wire Guards and Enclosures for Jails, Asylums, Etc.

The Geo. B. Meadows, Toronto Wire, Iron & Brass Works Company
67 Wellington Place, TORONTO Limited

No frost breaks, no corrosion.
No electrolysis
It is easily and cheaply laid
Its carrying capacity is never
decreased by rust.



GALVANIZED WIRE WOUND WOODEN PIPE.

CANADIAN PIPE COMPANY VANCOUVER, B.C.

Phone 1642 P.O. Box 915

LIMITED

AMES 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.



CAST IRON PIPE

3 inches to 60 inches diameter.

for Water, Gas, Culvert and Sewer

HAMILTON, ONT.

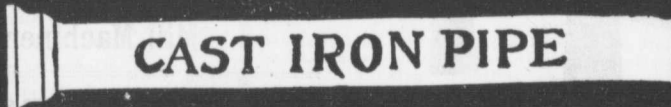
THOS. J. DRUMMOND,
President.

JAMES T. McCALL,
Secretary-Treasurer.

C. ED. GUDWILL,
Vice-President.

Montreal Pipe Foundry Co., Limited

Special
Castings
Flange Pipe
Branches
Hydrants
Valves



CAST IRON PIPE

Valve Boxes
and
general
Water
Works
Supplies

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

Combined daily capacity:
175 Tons Pipes and Castings.

HEAD OFFICE CANADA LIFE BUILDING,

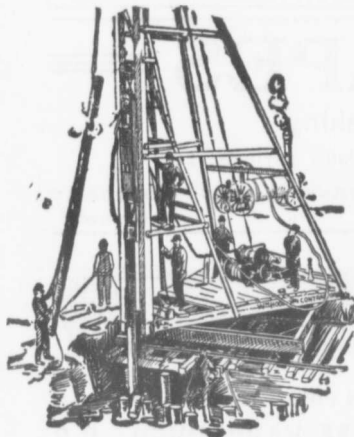
MONTREAL

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
 The Temple Building, 185 St. James St.
 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, Orders, &c.
 New and Second Hand.
LOCOMOTIVES & 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

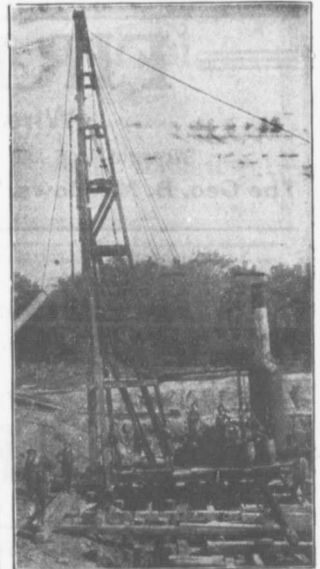
A 44 PAGE MONTHLY.

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.

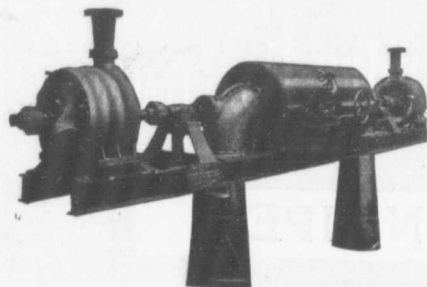
BUILDING MOVER AND WRECKER

General Contracting.

JNO. E. RUSSELL, - Toronto

Residence, 1010 Queen St. E.—Phone M. 456
 Office and yard 307 Logan Ave.—Phone M. 1007

PUMPS FOR WATER WORKS



Two Worthington 3-Stage Turbine and McCormack Water Wheels, built for Port Arthur, Ont. Water Works, 1440 gal. per minute against 350 ft. head.

WATER WORKS SYSTEMS INSTALLED

Boilers, (Return Tube and Water Tube,) Tanks, Penstocks, Mill Machinery.

Builders in Canada of

"**WORTHINGTON**" TURBINE PUMPS

The John McDougall Caledonian Iron Works Co.,

Estimates Cheerfully Furnished

Montreal.

Limited.

Prices of Building Material

PRESSED BRICK, Per M.

TORONTO PRESSED BRICK AND TERRA COTTA WORK
F.O.B. Milton, Ont.

Red No. 1.....	\$13 00
" " 2.....	11 50
" " 3.....	10 00
Buff No. 1.....	17 00
" " 2.....	13 00
Brown.....	25 00
Roman Red.....	30 00
" Buff.....	35 00
" Brown.....	47 00
Hard Building.....	8 00
" Sewer.....	8 00
" Backing.....	7 00

Moulded Ornamental from \$2.00 to \$5.00 per 100.
Terra Cotta String Courses and Friezes, from 50c. to \$2.00 per ft. run.
Roofing Tiles, \$20.00 per 1,000.

DON VALLEY BRICK WORKS.

Nos. 1, and 2, Red Pressed Bricks.....	
Nos. 1 and 2 Buff Pressed Brick.....	
No. 1 Brown Pressed Brick.....	
Pompeian Red, Buff and Brown Pressed Bricks.....	
Ornamental Bricks of all kinds for Man- tel purposes.....	
Enameled Bricks of all Colors.....	
Porous Terra Cotta Fireproofing of all Descriptions.....	
Vitrified Street-Paving Bricks.....	
Semi-Vitrified Foundation Bricks.....	
Common Stock Red and Grey Bricks.....	
Sewer Bricks.....	
Stone or Macadamized Roadways.....	

Please write to head office,
34 Toronto St., Toronto, for
catalogue and prices.

BEAMSVILLE BRICK AND TERRA COTTA CO.
F.O.B. Beamsville.

Red Peerless Facing.....	\$16 00
" No. 1.....	14 00
" No. 2.....	12 00
" No. 3.....	10 20
Brown Peerless Facing.....	20 00
" No. 1.....	18 00
Buff Peerless.....	20 00
" No. 1.....	18 00
" No. 2.....	15 00
Moulded and Ornamental Brick from \$3 to \$10 per C	
Roman Red (Size 12 x 4 x 1 1/4 in.).....	30 00
" Buff.....	15 00
" Brown.....	18 00
Vitrified Paving Brick No. 1.....	15 00
" " No. 2.....	8 00
Sewer.....	22 00
Roofing Tile.....	22 00

LUMBER

CAR OR CARGO LOTS, F.O.B. TORONTO.

	Per M. Ft.	Per M. Pt.
1 inch No. 1 Pine cuts and better	\$45.00	\$51.00
1 1/2 to 2 inch No. 1 cuts and better	53.00	55.00
1 inch No. 3, Pine cuts and better	38.00	40.00
1/2 to 2 inch No. 3 cuts and better	40.00	42.00
1 inch Pine Dressing and better shorts.....	24.00	26.00
1 x 4, 6 and 8 Common.....	20.00	21.00
1 x 10 and 12 Common.....	21.00	22.00
1 inch mill run sidings.....	21.00	22.00
1 inch mill run.....	21.00	22.00
1 x 10 and 12 mill culls.....	17.00	18.00
1 inch dead cull sidings.....	12.00	13.00
1 1/2 inch Flooring.....	27.00	28.00
Hemlock, 1 x 4 to 8 inch.....	15.00	17.00
2 x 4 to 8 inch, 12 to 16 feet.....	17.00	18.00
2 x 4 to 10 inch, 18 feet.....	15.00	16.00
1 1/2 inch No. 1 1/2 ft. Pine Lath.....	4.50	5.00
1 1/2 inch No. 2 1/2 ft. Lath.....	3.40	3.50
1 1/2 inch No. 1 1/2 ft. Hemlock Lath.....	3.50	3.00
XXXX Pine Shingles.....	2.90	3.00
XX Cedar Shingles.....	2.25	2.30
B.C. Shingles:		
XXX 6 butts to 2 inch.....	3.14	
XXXX 6 to 2 1/2 inch.....	3.37	
XXXXX 5 to 2 inch.....	3.70	

HARDWOODS—PER M. FEET CAR LOTS.

Ash, white, 1sts and 2nds, 1 to 2 inch.....	\$33.00 to \$35.00
Ash, black, 1sts and 2nds, 1 to 1 1/2 inch.....	28.00 30.00
Birch, M. R. 1 inch.....	22.00 24.00
" " 1 1/2 inch to 2.....	23.00 25.00
Basewood, Common and better, 1 to 1 1/2 inch.....	21.00 24.00
Basewood, 1 1/2 to 2 inch.....	24.00 26.00
Elm, soft, mill run, 1 to 1 1/2 in.....	23.00 24.00
Elm, rock, mill run, 1 to 1 1/2 in.....	25.00 26.00
Maple, common and better, 1 to 1 1/2 inch.....	22.00 23.00
Oak red plain, 1sts and 2nds, 2 to 4 inch.....	44.00 46.00
Oak, white, 1sts and 2nds, 1 to 1 1/2 inch.....	42.00 44.00
Oak, quartered, 1sts and 2nds.....	70.00 80.00

Western Debentures

I am always open to buy all classes of Manitoba, Saskatchewan and Alberta debentures. I deal exclusively in Western issues. Highest prices paid. Prompt settlement. Write or wire.

J. W. NAY, - New Leader Brick
Regina, Sask.
P. O. Drawer, 971
Cotes: Liebers, A.B.C., Fourth Edition.

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

M. BEATTY & SONS, LIMITED



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

Office 75 Cottingham Street DISTRIBUTORS
Yards 75-81
Long Distance Phone North 1787.

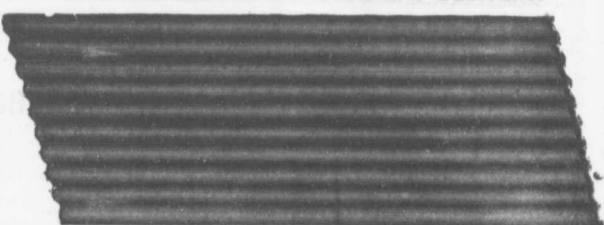


VULCAINTE PORTLAND CEMENT
The Recognized Standard
for Sidewalks

A strictly High-Grade Portland Cement. Pronounced by prominent contractors to be the most Uniform Portland Cement on the market.
One Quality Only. Capacity 5,000 bbls. per day.

The Toronto Pottery Co., Limited, Toronto, Ont.

CORRUGATED IRON
600 TON STOCK. PROMPT DELIVERY.



Pedlar's Corrugated Steel Sheets are manufactured on a 38,000 lb. Oil Press—one corrugation at a time—and are guaranteed straight and true to size. Six Hundred Tons in Stock in Oshawa, Montreal, Toronto, Ottawa and London, in gauges varying from 28 to 18, both painted and galvanized. Made in 1 1/2, 2 or 2 1/2" corrugation—corrugation lengthwise or across the sheet. Sheets 2, 3, 4, 5, 6, 8 or 10 feet long at no extra charge. Ask for Catalogue No. 14 R, and give specifications for prices.

We are the largest makers of Sheet Metal under the British Flag.
ESTABLISHED 1861 — CAPITAL INVESTED, \$250,000.

THE PEDLAR PEOPLE

Montreal, Que. Ottawa, Ont. Toronto, Ont. London, Ont. Winnipeg, Man. Vancouver, B.C.
321-3 Clough St. W. 473 Burnside St. 11 Colborne St. 59 Dundas St. 54 N. Main St. 612 1/2 Cedar St.

Write your nearest office. Head office and Works, OSHAWA, ONT.
"Keeping Everlastingly at it Brings Success."

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

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

Phone No.: PARKDALE 1809. Post Office and Telegraph Address: SWANSEA.
THE DOMINION SEWER PIPE CO., LIMITED
SWANSEA, TORONTO, ONT.



MANUFACTURERS OF
VITRIFIED SALT GLAZED - SEWER PIPES

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

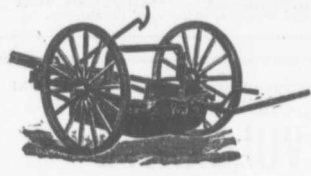
GERMAN ALSEN, at higher prices than competitors has again this year been awarded the most important contracts of the World because practical tests by leading Engineers proved its merit and relative economy. Note the following:

MEXICO CITY	1905-1906	120,000 bbls.	U.S. PHILIPPINE GOVMT. ORDER	40,000 bbls.
X DAM (shipping instructions so far 60,000 bbls.) approximate amount		175,000 bbls.	GOVMT. ORDER SOUTH AMERICA	150,000 bbls.
XOCHIMILCO WATER WKS., MEX. approximate		200,000 bbls.	RIO DE JANEIRO, SANTOS, ETC.	40,000 bbls.

Also enormous quantities for the PACIFIC COAST, AUSTRALIA, ENGLAND, SOUTH AFRICA, ac.

There is always a certain trade who will pay for the best. We also make American Alsen, the highest grade of domestic Portland cement.

CEMENT 45 BROADWAY, NEW YORK CITY **CEMENT**
We protect our customers!



The Toronto Pressed Steel Co., Limited
Toronto and Winnipeg

Manufacturers of
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
WINNIPEG OFFICE: BANK OF BRITISH NORTH AMERICA BUILDING

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

J. G. WHITE & COMPANY, INC., New York City
CORRESPONDENTS
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 Faiji 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 d.	28 d.	3 mos.	1 yr.	1 dy.	7 d.	28 d.	3 mos.	1 yr.
1903	20	O.K.	3.135	2.1	162	345	307	701	783	827	*	74	214	299	367	*
1904	44	O.K.	3.150	2.0	132	342	300	744	848	914	938	86	262	354	401	427

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

THE BEST IS THE CHEAPEST
The National Portland Cement Company
Limited
Head Office and Mills: DURHAM, ONTARIO

GEO. H. ARCHIBALD
CONSULTING CIVIL ENGINEER

820 Union Bank Bldg.
WINNIPEG, CAN.

Municipal Improvements.
Reinforced Concrete and Steel Construction

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

All kinds of Italian Laborers furnished
on short notice.

DAVIS & JOHNSTON
CIVIL ENGINEERS

WATER WORKS, SEWERAGE
AND SEWERAGE DISPOSAL
Wm. Mahlon Davis, Herbert Johnston, C. E.
M. Can. Soc. C. E.
Offices: BERLIN and GALT

ARTIFICIAL STONE PAVEMENTS

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

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

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

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.

The Locomotive and Machine Company
OF MONTREAL, LIMITED

NEW YORK OFFICE:
111 BROADWAY
N.Y.

Structural Steel

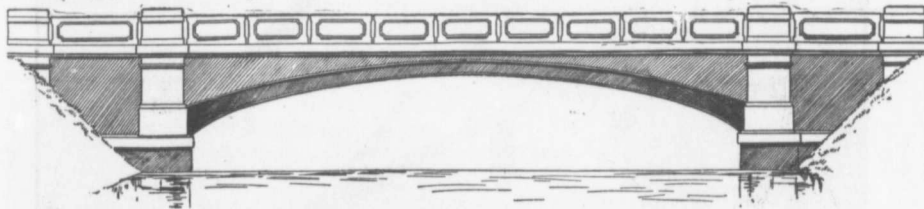
FOR ALL PURPOSES

WORKS:
LONG POINT
MONTREAL

BRIDGES NEW AND SECOND HAND CONTRACTORS' LOCOMOTIVES STEAM SHOVELS

Principal Office: Imperial Bank Building, MONTREAL

REINFORCED CONCRETE BRIDGES

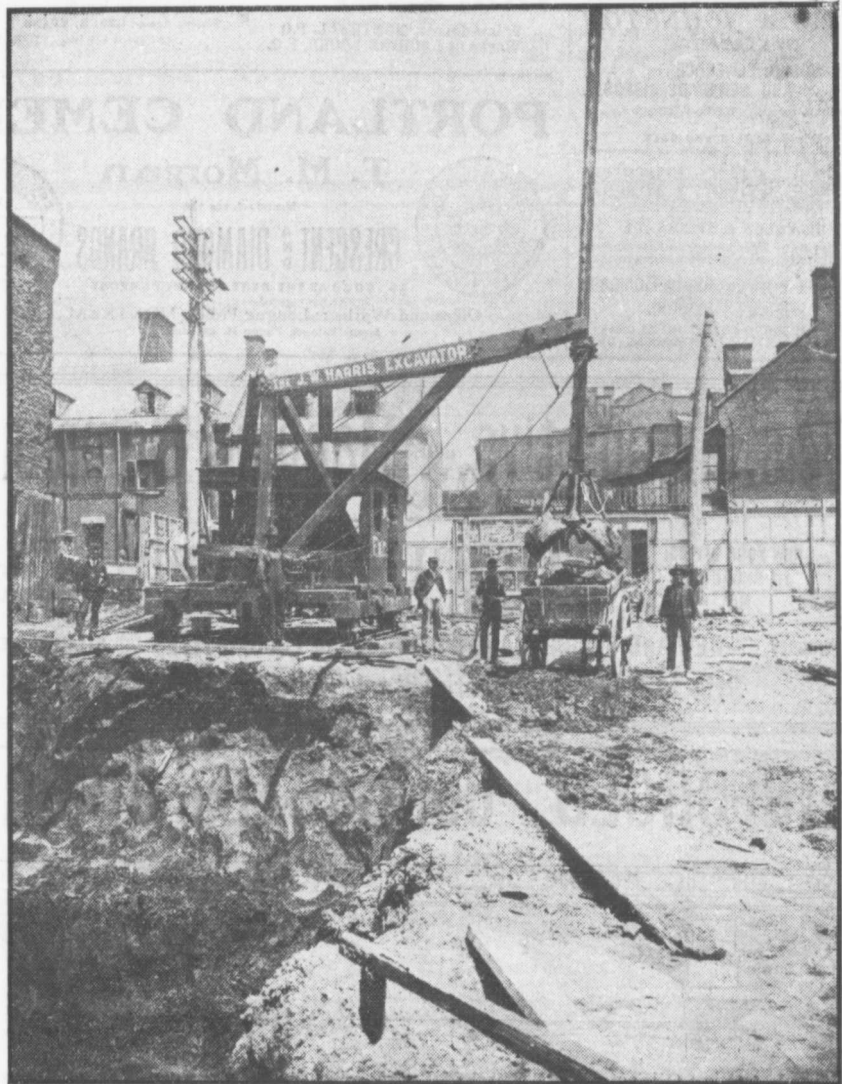


This cut shows ONE of SEVEN arch bridge spans which we are now completing at Ottawa, Ont. All parts including arches and railings are in concrete thoroughly reinforced with steel bars imbedded in same. This construction is very rigid under heaviest loads, and will resist any flood or ice flow. No painting or maintenance; they are there to stay as long as the native rock. Cost about same as for steel bridges, and superior beyond comparison. Plans and tenders promptly submitted.

STEEL CONCRETE CO., Limited
Merchants' Bank Building, MONTREAL

A GREAT LABOR SAVER

THE J. W. HARRIS EXCAVATOR at present working in the City of Montreal on the excavation of a cellar 21 feet deep for the erection of the Montreal Light, Heat & Power Company's General Office Building, is adapted for any kind of work of excavation, but it will be much more profitable, especially in Railroad Work, where large cuts have to be taken out and also on large sewers, as the machine operates from the crown of a cut and the top of a sewer and discharges the contents of the bucket into carts or cars standing on the side or at the back of the machine.



The merits of this machine have been investigated by the Engineering Department of the Canadian Pacific Railway Company and as a result of the investigation, the Company have closed a contract with the J. W. Harris Company for the use of a machine on their Lachine Canal Branch.

This machine will save any Contractor from one hundred to two hundred per cent. over and above hand labor for any kind of work on which it may be placed.

FOR PARTICULARS APPLY TO

The J. W. HARRIS CO., Montreal, or W. H. C. MUSSEN, Montreal
SOLE AGENTS FOR CANADA.

BUSINESS NOTES.

The contracting firm of Barette & Godbout, of Quebec, have registered their business.

Alexis Chopin and Arthur Aubuchon, contractors, Montreal, have had their business registered under the name of Chopin & Aubuchon.

J. U. Bordua & Co. is the name under which Mrs. J. U. Bordua and E. L. Rivard, manufacturers of cement bricks, etc., St. Paul, Que., have registered their business.

The Canadian White Company, Limited, of Montreal, have opened a western office in the Bank of British North America, Winnipeg, from which western building operations will be handled, also railroad work, of which they have on hand the construction of about 140 miles of G.T.P.R., from Touchwood Hills to Saskatoon.

Blue Lake Cement

MADE BY

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

McGREGOR & McINTYRE, LIMITED

67 to 91 Pearl Street, Toronto, Ont.

STRUCTURAL IRON WORKS

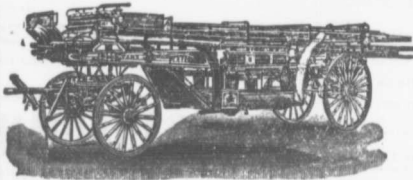
Fire Escapes, Library Racks, Sidewalk Door, Jail Cells, Iron Stairs, Railings, Etc., Etc.

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



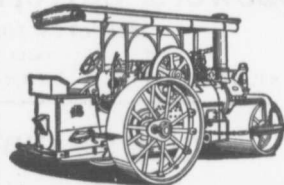
Engines, Trussed Trucks and Hand Pumps, Combination Hose Wagons and Chemical Engines, Hose Wagons, Combination Hook and Ladder Trucks and Hose Wagons, Chemical Engines, Fire Extinguishers, Hose Reels, Patrol Wagons, Ambulances, Specialty Wagons, Patent Sleigh Runners, and other Modern Fire Fighting Tools.

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.

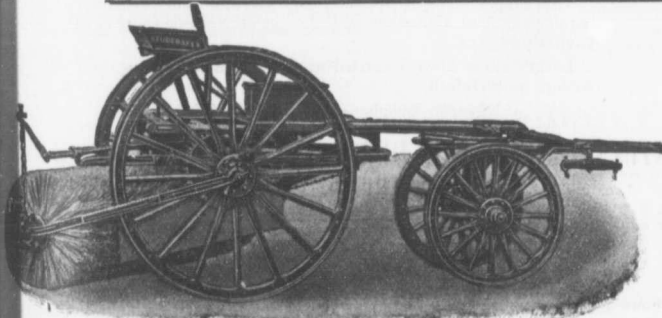
HUGH CAMERON & CO., Selling Agents, 72 Queen St. West, Maunson Chambers, TORONTO

If Its

WATERWORKS PUMPING ENGINES

FIRE HYDRANTS VALVES
 OR
 for Steam, Water, Gas and Radiation

Get Catalog and Prices of **THE KERR ENGINE CO'Y** Limited
 Walkerville - - Ontario



Stackpole

Patent Improved Street Sweeping Machine

Is the Standard of Perfection

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



Studebaker Sprinkler

(PATENT IMPROVED.)

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

IMPROVED VERTICAL SPRAY

for Pavements

Geo. Heaman, Mnfr., London, Ont.

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

LEA & COFFIN
and H. S. FERGUSON
ENGINEERS

Waterworks, Sewerage, Water Powers
Pulp and Paper Mills
Reinforced Concrete Structures of Every
Description.

Cristine 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.

58-53 James 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.—Pine Rich Colors for
Building and Monumental Purposes.
Quarries, St. Philippe d'Argenteuil, P.Q.

Address all communications to

JOS. BRUNET - COTE DES NEIGES, MONTREAL

First Number, June 1906—Now Ready
Civil Engineering, 6d.

READ:

"Engineering in the Colonies"
185 Fleet Street, London, Eng.

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
TORONTO
WINNIPEG 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 Co.,

B. V. HOLE, Manager. LONDON, ONT

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

MANUFACTURERS OF

ASPHALT BLOCK PAVING

Information and samples furnished municipalities on application.

Main Office: WINDSOR, ONT.

Works: WALKERVILLE, ONT.

THE CANADIAN SEWER PIPE CO.

MANUFACTURERS OF



FOR

Sewers, Culverts and Water Pipes
Inverts for Brick Sewers

WRITE FOR DISCOUNTS

ST. JOHNS, P.Q.

HAMILTON, ONT.

TORONTO, ONT

"GIANT" AND "NORTHAMPTON"
PORTLAND CEMENT

For Immediate Delivery

The above Cement we fully guarantee to fulfil the
requirements of Canadian and American Societies of
Civil Engineers.

Large stock always carried at Fort William, Port
Arthur and Duluth.

Telegraph, Telephone or write for prices.

STINSON-REEB BUILDERS' SUPPLY CO. Limited
MONTREAL, P. Q.

REGINALD LAWSON

WESTERN REPRESENTATIVE, UNION BANK BUILDING

Phone 3397

WINNIPEG, MAN

For the Province of Saskatchewan:

REGINA STORAGE AND FORWARDING CO.

REGINA

FOUNDATION OF ROADS is the subject now under most earnest investigation by Engineers throughout the World—poor foundations and good surfaces are found everywhere—well, short road roads.

THERE IS NOT ONE FOUNDATION ON THE MARKET TO-DAY THAT PROPERLY SUPPORTS THE SURFACE. The steel rail and the wooden cross tie always the same, but the high way is a different thing: different surfaces and different foundations are required for different services. We have these different foundations; they DO properly support the surface, and, IN OTHER WAYS, they give a tie to the surface that was never before even contemplated.

The Nash Road, Borough of Brooklyn, N. Y. City, U.S.A.

Brian D. McConnell
CIVIL ENGINEER

*Water Works, Water Powers
Sewerage Systems, Railways*
Temple Building,
MONTREAL
Phone Main 1473

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*

J. HARVEY
CONTRACTOR
PETROLEA, 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
" " BELGIA
PLASTER OF PARIS
BORAX,
CHINA CLAY.**



**WATERWORKS
SUPPLIES**

**HYDRANTS — VALVES
PIPE FITTINGS
STEAM PUMPS**

**PUMPING
MAGHINERY**

*Specific
Respectfully
Solicited.*

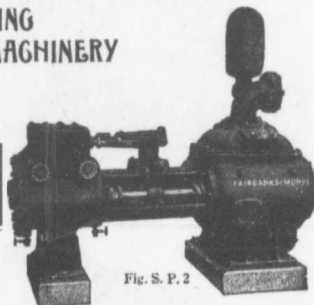


Fig. S. P. 2

The Canadian Fairbanks Co., Limited
MONTREAL TORONTO WINNIPEG VANCOUVER

"RAVEN" PORTLAND CEMENT

— Unexcelled for Strength and Uniformity —

RAVEN LAKE PORTLAND CEMENT CO.
Limited

ong Distance Telephone : RAVEN LAKE, ONT.

Telegraph and Post Office Address : VICTORIAROAD, ONT

Mr. John W. Kennedy, contractor, died at his residence, 151 Markham street, Toronto, the latter part of June. Mr. Kennedy was fifty-one years of age. He leaves a widow and four children. He was a member of the A.O.U.W.

SIMPSON & LEWIS
Civil Engineers

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

Advertisements
in the
CONTRACT
RECORD
bring
results

THE UNITED STATES FIDELITY AND GUARANTY Co.



Acts as Sureties on
Contractors' Bids or Tenders
and on Final Bonds
Rates Reasonable. See our Agent
in your town or write direct to us
Head Office for Canada:
6 Colborne Street, Toronto
A. E. KIRKPATRICK, MANAGER

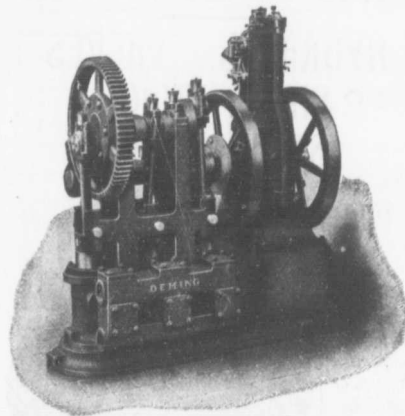
WE WILL BOND YOU

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, VANGOUVER, 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

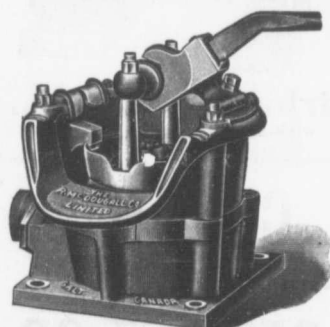
For every service

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**



DIAPHRAGM PUMPS

For Contractors' Use.—This class of pump will handle about anything that is wet and their usefulness has been shown in thousands of cases. We try always to have a few on hand for Emergency orders, also extra Diaphragms and 3" Suct'on Hose and Fittings.

Try us once if in a hurry or even if you have lots of time.

We also Supply

**Manhole Covers and Frames,
Catch Basins, Pavement Plates, Etc.**

The R. McDOUGALL COMPANY, Limited,
GALT, CANADA.



Head Office and Works,
Toronto, Ont.

CAST IRON PIPE FOR WATER OR GAS

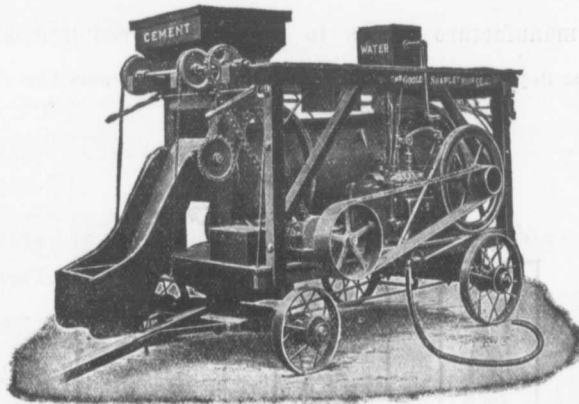
Special Castings,

Tees, Crosses, Flanges Pipe, Valves, Hydrants,
Stand Pipes, Valve Boxes, Drinking and Ornamental Fountains.

District Offices: MONTREAL, HALIFAX, OTTAWA, WINNIPEG, VANCOUVER, ROSSLAN

Ideal Automatic Concrete Mixers

The Only Successful Automatic Mixer Made



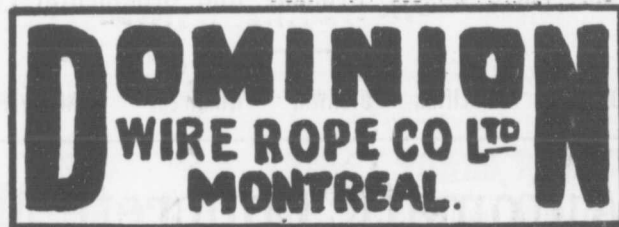
We also manufacture **Windmills, Tanks and Towers**
for Waterworks, Fire Protection, Etc.

WE INVITE CORRESPONDENCE

GOOLD, SHAPLEY & MUIR COMPANY, LIMITED
BRANTFORD, CANADA

Wire Rope

for all purposes in stock.
HOISTING-ELEVATORS-TRANSMISSION-GUYS



HAULAGE - MINES - COLLIERIES - LOGGING - ETC.

We manufacture Ropes to suit special requirements.

When you Require the Best Quality Wire Rope at an Extremely Low Figure
LET US HEAR FROM YOU.

Fittings

Clips,
Shackles,
Blocks
of all
Descriptions
in
Stock.



Turnbuckles,
Thimbles,
Sheaves,
Hooks,
Sockets
in
Stock.