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 - AUGUST 28, 1906 - WINNIPEG, VANCOUVER

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.

COMPRESENTION LIFE BUILDING, TORONTO Telephone Main 2362. Reanch Offices :

Branch Offices:

Room B34, Board of Trade Building, Montreal,
Telephone Main 2090.
780-721 Union Bank Building, Winnipeg.
Telephone 1274
Davis Chambers, 61; Hasting 81., Vancouver,
8, 6. Telephone 246

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

WANTED

Information regarding good farm for sale with good title somewheres near Toronto. Give price and description and character of soil. Also state when possession can be had. Owners only need answer. State how far from town, and mention improvements, Address W. C. CUNNINGHAM, Andrus Bidg., Minnespolis, Minn.

WHEELS, GENERATORS AND TRANSMISSION LINE.

Scaled tenders are required for (1) Turbine Water Wheels, Governor, etc.; (2) Generators, Exciters, Switch Panel, etc.; (3) Swimles of Translates Lightner (4) Distribution Line, for Translates Lightner (4) Distribution Line, for the Company Plans and specifications at the office of 1MO. 8. PILE, DING. C. R., Consulting Bugineer, 15 Toronto street, Toronto, Out., to whom tenders may be sent, or to the office of the Company at Delhi, not later than 277H INSTANT.

\$34,000.00 TOWN OF CARMAN Debentures for Sale

Scaled tenders addressed to the Secretary-Treasurer of the Town of Carman and marked "Tender for Waterworks and Sewer Debatures" will be received up to 8 o'clock p.m. on SATURDAY, THE 35TM DAY OF ADGUST, 1906, for the purchase of Debatures of the Town of Carman amounting to Thirty-Pour Town of Carman amounting to Thirty-Pour Carman amounting to Thi

annum
Principal and interest payable at the Canadian Bank of Commerce, Carman, and the
debentures such that the total amount of principal and interest will be as nearly equal as
may be in each year.

The highest or any tender not necessarily
accorded as

accepted.
Any information desired may be obtained by
Any information desired may be obtained by
addressing the Secretary-Treasurer.
A. MalCOLMSON,
Secretary-Treasurer of the Town of Carman.

Dated at Carman, Man., July 18th, 190.

Tenders for DAM and POWER HOUSE

Scaled tenders will be received by the under-signed at their office, 13 Bay Street, Toronto, until soon, hEPTERMBER 5711, 1906, for the con-struction of a Dam and Power House at Eugenia Palla, Grey County, Ontario. Plans and speci-fications may be seen at the above address. The right is reserved to reject any or all

GEORGIAN BAY POWER CO., LT'D. THOMAS MCLAUGHLIN,

Toronto, August 10th, 1906.

\$24,000.00 TOWN OF CARMAN Dependures for Sale

Sealed tenders addressed to the Secretary Treasurer of the Town of Carman and marked "Tender for Electric Light and Power Debentures" will be received up to 8 octock p.m. on SATURDAY, THE 23TH DAY OF AUGUST, 1966, for the purchase of Debentures of the Town of Carman amounting to twenty-Four Thousand Dollas [Sadoo Co.] with payments distributed the Day of June, A. D., 1966, with interest at the rate of five [6] per centum per annum. Principal and interest payable at the Canadian Bank of Commerce at Carman, and the debentures such that the total amount of principal and interest will be as nearly equal as may be in each year. The highest or any tender not necessarily accepted.

Any information desired may be obtained by addressing the Secretary-Treasurer.

A. MALCOL, MSON,

A. MALCOLMSON, Secretary Treasurer of the Town. Dated at Carman, Man., July 18th, 1906.

To Bridge Builders

Sealed tenders marked "Tenders for Priceville Bridge," addressed to John McArthur, County Councillor, Priceville, will be received up to two o'clock p.m. on FrIDAY, 3:rrl AUGUST, INSTANT, for the erection of a Steel Bridge over the Saugeen River, on this town line between Artemesia and Colenty prepared by I. Trayour, engineer, and which may be examined at the store of John McArthurin the said village of Priceville. The work to be completed inside of 30 days from the time of letting of the contract.

Tenders may be put in for the work complete, or for Concrete Abutments, for Steel Work and of the contract of the con

JOHN MCARTHUR. County Councillor. Priceville, August 2, 1906.

Debentures For Sale

Sealed tenders will be received up to noom of MONDAY, SEPTEMBER 3RD, 1996, for the purchase of 500,000 Water Works Debentures of the Town of Oshawa dated August 19th, 1906, bearing interest at 4% per cent. Per annum, and repayable at the office of the Treasurer, Oshawa, in 30 equal annual installments of principal and interest. The highest or any tender not necessarily accepted.

THOS. MORRIS,
Town Clerk.

TOWN OF MOOSOMIN

Province of Saskatchewan

TENDERS FOR

WATER WORKS

Sealed tenders addressed to the Secretary-Treas-urer of the town of Moosomin, Sask., will be re-ceived until 2 to p. m. on

TUESDAY, SEPTEMBER 4TH, 1906,

TUESDAY, SEPTEMBER 4TH, 1906, for the following subdivisions of the proposed works:

Contract "A"—Trenching, Pipelaying, etc., for 6,600 feet of water mains and 6,600 feet of water mains and 7,600 feet of water mains and 7,600 feet of storm sewers.

Contract "B"—A,600 feet of storm sewers.

Contract "B"—Steel Walter Tower.

Contract "P"—Steel Walter Tower.

Plans and given.

No steeler necessarily accepted.

No tender necessarily accepted.

No tender necessarily accepted.

A. WHYTE, Esq., JOHN SMITHR'RS, Esq.,

MOSOMIN, Sask., MOOSOMIN, Sask.

WILLIS CHIPMAN. C.R.

Chief Rugineer,

(O) Bay Street.

Toronto, Ont.

Debentures for Sale County of Hastings

Bealed tenders will be received by the undersigned up to noon of TURSDAY, 47H DAY OP SRPTEM BERR, 1906, for the purchase of twenty debentures of the County of Hastings aggregating \$27,000, drawing 59 per cent. interest. One debenture and all interest coupons paid each year amounting to say \$1,166,35. First of The highest or sixth day of August, 1907. The highest or any tender not necessarily accepted.

accepted. Further information given on application to B. MALLORY, Treasurer County of Hastings, Belleville, Ont.

TENDERS

for Hot Water Heating of St. Marys Schools, McDonnell Square, Toroxto, will be received until 3 o'clock p.m. FRIDAY, 4arm INST.
Tenders to be addressed to the Chairman of the Management and Supplies Committee, Separate school Board, 25 Duke Street. Specifications may be seen at the office of the Architect of the Board, A. W. HOLMES.

Sealed Tenders

will be received upto SEPTEMBER 18T, NOON, 1906, for the erection and completion of a Public Library building, in who'e or in parts, in the Town of Bracebridge. A marked cheque for 10 per cent. of the amount of tender must accompany each tender as a guarantee of good faith and will be returned to each unsuccessful tenderer as soon as contract is signed. Library and further actual tender and picture of the secretary of Library Board, Box P, Bracebridge, Ont. MOSES J, DICKIE, Secretary.

To Builders, Contractors and Others

First Class Contractors Man is open for re-engagement to manage or partly manage bus-iness, competent to take quantities and estimate for all trades; good draughtsman, thoroughly competent in the preparation and adjustment of accounts, good organizer and manager, salary \$150.00. Only first-class firms with permanent position to right nam need apply to Box 34 Board of Frade building, Montreal.

Sealed bids will be received by the undersigned, the City Treasurer of the City of Fredericton, New Comments of the City of Fredericton of Fredericton of Fredericton of the City of Comments of the City of Comments of the City of the Acts of Assembly of New Brunswick:

44,000 Fredericton Water Improvements of the City of Comments of City of Comments of City of Comments of City of

and balance of provide and the same rate with accrued interest from July 15th 196, 6 maturing July 15th 196, 6 maturing July 15th 196, All above bonds are issued in amounts of \$500 each.

The City reserves the right to reject any or all bids or to accept any bid.

I. R. GOLDING,

I. R. GOLDING,
City Treasurer.
Fredericton N. B., August 13th, 1906.

Tenders Wanted

Scaled bids or proposals for construction of a concrete masoury dam and appurtenances in the Town of Amherst, N. S., will be received at the Town Clerk's office until 5 o'clock p.m. AUGUST

27тя, 1906.
All bids will be compared upon the Engineer's estimates of quantities of work to be done as

follows:		
Surface excavation 4.000	cubic	yard
Embankment		**
Slope paving 100		. 11
Rock excavation 600	cubic	**
Concrete masonry3,700		**
Portland cement in barrels	2,300	bbls
Portland cement in bags	3,300	bbls
Gate house superstructure.		
Seeding.		

Seeding.

Laying 16 and 24" cast-iron pipe ... 140 feet. All bids must be made on the blank form of proposal furnishes the made on the blank form of proposal furnishes the proposal furnishes the seed of the sum of \$1,000 and the seed of the sum of \$2,000 and the seed of the sum of \$1,000 and the seed of the seed of the faithful performance of the work or other security astifactory to the town.

Also sealed bids or proposals for the waterproofing of the present distributing reservoir will be received with the consist of about \$4,800 square yards of layers of roofing felt and coal tar pitch placed upon the present concrete lining and covered with a 4" layer of concrete.

Hids must be made upon the blank form of proposal furnished by the town and must be accompanied by a certified check for the sum of \$500.000.

\$500.00.

A bond in the sum of \$2,500 oo will be required for the faithful performance of the work or other security satisfactory to the town,
Plans and specifications for the above may be seen at the Town Clerk's office.

W. F. DONKIN, Towa Clerk and Treasurer

TENDERS WANTED

Sealed tenders, addressed to the Secretary-Treasurer of the board, will be received until

Friday, August 31st, 1906, (Noon)

for the several works required for the enlarge ment of the following schools, viz:

ESSEX STREET WITHROW AVENUE

Plans and specifications may be seen and all information obtained at the offices of the Board, City Hall. Hach tender must be accompanied by the deposit mentioned in the said specifications and forms of tender. The lowest or any tender will not necessarily be accepted.

W. C. WILKINSON, Secretary-Treasurer. H. SIMPSON, Chairman of Committee.



Tenders addressed to thd undersigned will be received by registered post only up to

Tuesday, September 4th, 1906,

for the Slating, etc. of the roof of Firehall No. 8 College street, situated at south-west corner of College street and Believue avenue. Envelopes containing tenders must be plainly marked on the outside as to contents. Specifications may be seen and all information relative to the foregoing obtained at the offices of the Property Department, City Hall, Toronto. The usual conditions relating to tendering as prescribed by City By-law must be strictly complied with.

The lowest or any tender not necessarily accepted.

HMHRSON COATSWORTH, Mayor.

EMERSON COATSWORTH, Mayor, Chairman Board of Control. City Hall, Toronto, August 20th, 1906.

CONTRACTS OPEN.

TAVISTOCK, ONT.—F. Libier is pre-paring for the erection of a new hotel

WEYBURN, SASK .- Tenders are being invited for erection of Presbyterian

MAPLE CREEK, SASK.—A by-law has been carried to raise \$60,000 for waterworks.

GRIMSBY, ONT.—A by-law has been carried for the issue of waterworks debentures.

MELFORT, SASK. - The Agricultural Society will erect an agricultural hall here this season.

MELITA, MAN.—The Roman Cath-olic congregation will build a new church here this fall.

LISTOWEL, ONT .- Vandrick Bros. are preparing to erect a business block on Wallace street.

MEDICINE HAT, ALTA. - Western Canneries Limited will erect a cannery, cost about \$100,000.

STAR CITY, SASK.—Tenders have been taken for erection of a two-story school building here.

OTTAWA, ONT.—The plans for the new Railway station are being prepared and work will soon begin.

TORONTO JUNCTION, ONT.— The Dominion Carriage Co. have pur-chased a site on Churchill ave., for a factory, to cost \$60,000.

ST. BONIFACE, MAN. - Tenders have been taken for construction of bitu-lithic pavement on several streets.

RED DEER, ALTA.-By-laws have been carried to raise \$30,000 for sewer system, and \$6,000 for the hospital.

BRENDA, MAN.—The Melita-Arthur Telephone Co. have obtained permission to erect a branch of their system here.

KINISTINO, SASK .- It is reported that a departmental store will be erected on corner of Main and Kinistino avenue.

HOLMFIELD, MAN .- The Bank of Ham lion have leased the Keele block which they will have altered for office

CHATHAM, ONT .- Tenders have been taken for the renovation of the old market building. J. L. Wilson & Son, architects.

MOOSE JAW, SASK.-A Montreal Boot and Shoe Manufacturing Company have secured options on sites for a factory bulling.

MASSON, QUE. - A by-law has been carried to grant a bonus of \$10,000 to L. J. B. Senez to establish a boct and shoe

PETERBORO, ONT.—It has been decided to erect the new Isolation Hospital on the Bay shore, near the hospital building.

NIAGARA, ONT. -J.3H. Burns will receive tenders up to August 28th for the purchase of \$15,000 4½ per cent. town

PICTON, ONT.—The plans of W. Newlands, architect, Kingston, for the new Collegiate Institute building have been accepted.

NEW WESTMINISTER, The City Council are considering plans in connection with improvements to the water system.

BRACEBRIDGE, ONT.—Tenders will be received by Moses J. Dickie, Box F, up to September 1st. for erecting of a library building.

LETHBRIDGE, ALTA.—On August 25th. a by-law will be voted on for an issue of \$40,000 debentures of the Medicine Hat woolen mills.

BLAIRMORE, ALTA. — Mr. Mc-Donald, architect, Lethbridge, is preparing plans for a san tarium at the sulpher springs for R. Steeves.

PEMBROKE, ONT. — The tenders for erection of weave sheds for Rosamund Woolen Co., were not satisfactory. Work has been postponed for a time.

CARLETON PLACE, ONT.—The Council gives notice of its intention to construct concrete sidewalks on Charlotte street from Bridge to Moffat.

WOODSTOCK, ONT.-A by-law will be voted on September 12th. to loan \$25,000 to the Canadian Bearings Company, of Hamilton, to locate here.

KAMLOOPS, B. C .- Neil F. Mackay, Deputy Commissioner of Lands and Works, Victoria, has taken tenders for erection of school-house at Fruitland. ST. FRANCOIS XAVIER, MAN.—

G. Laralles will receive tenders up to September 3rd for construction of vault at council chambers, and other work.

CALGARY, ALTA.—The C. N. R. are seeking a site from the city for station, freight shed, etc. They purpose building many branch lines from the city.

NEEPAWA, MAN.—J. W. Pattison will receive tenders up to August 24th for construction of 12 inch tile drain on Mountain avenue, from Hamilton street to Mill street.

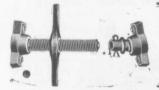
FORT FRANCIS, ONT .- Tenders are being taken for the erection of an

TRENCH DIGGING EQUIPMENT



"Carson" Trench Machines

do twice the work done in the ordinary way in half the time and minimize the obstruction to traffic



an edi-

re-

ork

law oan

and

ault

R.

on

ders f an Trench Braces





W.H.C. MUSSEN & CO.

Railway, Mining and Contractors' Supplies

MONTREAL

addition to the Methodist parsonage.— Mr. Haskell will erect a new residence, on Victoria street.

ORILLIA, ONT .- C.E. Grant will receive tenders up to August 22nd. for the purchase of \$35,000 30 year, \$45,000 30 year, and \$25,000 20 year town deben-

TILLSONBURG, ONT .- A by-law has been carried to extend waterworks system at a cost of \$5,000. The by-law or street improvement cost \$6,000 defeated.

OSHAWA, ONT .- The Railway & Municipal Board have approved of a bylow to raise \$20,000 debentures for extension of waterworks system. Wo will soon begin.

WELLAN , ONT.-By-laws have been carried providing for the location of the Automobile factory here, and to con-struct macadam pavement on North Main street, cost \$5,060.

HAILEYBURG, ONT.-The Con-struction of roads and concrete sidewalks at a cost of \$15,000 is being considered.-The purchase of a site for town hall and

a jail is being considered.

VERMILLION, ALTA.—Plans for the new Anglican church building are being prepared.— It is understood that O. Baker, of Baker & Sons, will build an elevator here this summer.

BROCKVILLE, ONT .- C. P. Gable, chairman Board of Works, will receive tenders up to August 23rd for construc-tion of abutments over Sheppards Creek on the line of Brock street west.

NIAGARA FALLS, ONT. — The Canadian Niagara Power Co. have ap-plied to the Railway and Municipal Board for approval of plans for proposed

line from this town to Fort Erie. VERNON, B.C.—The Roman Catholic congregation have purchased a site for a new church. They also purpose erecting a convent. — The Episcopal church purpose erecting a new church building

BRANTFORD, ONT .- Building permits have been issued to W. J. Kerr for a brick dwelling on Richmond street, cost \$1,300, and to T. Field for brick dwelling on Marlborough street, cost

STRATHCONA, ALTA. — J. Wize, architect, has taken tenders for the erection of residence.—Tenders have been taken in connection with fitting up basement and installing plumbing, etc. Grandin street school.

FORT WILLIAM, ONT .- F. Lee, Division Engineer will receive tenders up to August 22nd. for additions to coal bins and pockets for C. P. R.—C. H. Bowman, of the Great Lakes Irrigating Co. is interested int he ship building and repairing plant, to be erected, cost \$50,

GLADSTONE, MAN.-S. Schooley will receive tenders up to September 1st for construction of a steel truss bridge Warner truss) over the White Mud river. Plans with above named and at Public Works Department, Winnipeg.

PORT MAITLAND, ONT.-L. K. PORT MAIL LAND, ONLY IN JOINES, Department of Railways and Canals, Ottawa, will receive tenders up to August 28th for renewal of the east pier. Plans with Superintending Engineer of Weiland canal, St. Catharines.

HEATHCOTE, ONT .- J. M. Thom-HEATHCOTE, ONT.—J. M. Thomson, Bognor, will receive tenders up to September 3rd. for building two concrete abutments for bridge over Beaver River. Plans with A. C. Patterson, Blantyre: Neil Coleman, Thornbury and J. Rutherford, County Clerk, Owen Sound.

OAK POINT, N. B.—F. Gelinas, Department of Public Works, Ottawa, will receive tenders up to September 10th for construction of a wharf. Plans at the Department, with postmaster here, with E. T. P. Shewen, St. John, and with G.

E. T. P. Shewen, St. John, and with G. Stead, Chatham.

AMULREE, ONT.-J. D. Fisher, Township Clerk, has taken tenders for construction of steel bridge with concrete flooring and abutments over the Avon river on side line 40 and 41, also for steel bridge and concrete flooring at Hamp-stead.

VICTORIA, B. C .- Hooper & Watkins, architects, have taken tenders for erection of a frame residence on Catharine street for J. Gilbert.—Pither & Leiser have taken tenders for the excavation for a new building corner Fort and Wharf street. Hooper & Watkins, architects.

SASKATOON, SASK. - Guppy & MacDougall purpose erecting a new store on Second avenue.—S. Hill & Sons are preparing to erect a new factory on Nine-teenth street.—The Canadian Bank of Commerce are considering the erection

of a new building, corner Second avenue and Twenty-First street.

DELORAINE, MAN.—The Delor-hine Farmers' Elevator Co., purpose building a flour mill in connection with the elevator.—Tenders have been taken for erection of a brick building for the Dominion Bank. Darling & Pearson, architects, Winnipeg.

MONTREAL, QUE.—A new site, corner St. James and St. Felix streets, has been secured for the branch post office for which plans have been prepared. It is expected building will soon begin.—
The Fire Committee have decided to discontinue work on No. 5 fire station until necessary funds are voted by the Council.

Council.

HAWKSHAW, N. B.—C. H. LaBillois, Department of Public Works, Fredericton, will receive tenders up to October 15th for building masonry substructures and approaches to Hawkshaw bridge over the St. John river. Plans at the Department at office of Hon. L. J. Tweedle, Premier, Chatham, and with Hon. Wm. Puglley, St. John. Tenders will also be taken for the metal superstructure for which plans may be seen at the Department. seen at the Department.

PORTAGE LA PRAIRIE, MAN.by-law has been carried to expend \$50,000 in waterworks and sewage extensions.—Local capitalists have formed a company to construct a new laundry building, cost about \$10,000.—Waterloo Threshing Machine Co. have selected a site for warehouse and repair shop.—The Detachable Boiler Flue Manufacturing Co. have decided to locate here.

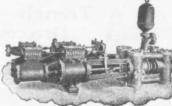
QUEBEC, QUE. — The following building permits have been issued: T. Buieau, repairs to building on Notre Dame des Anges street; Delle. Gagnon, building on Rousseau staeet, cost \$2,000; E. Parent, building on Des Grisons street cost \$3,000; Cauchon & Frere, building on St. Paul street, cost \$3,000; Wm. Jewel', building on Artillery and Drolet

BUFFALO STEAM PUMPS COMPOUND PUMPING ENGINES

High Grade Steam and Power Pumps.

Single Cylinder Independent Air Pumps and Jet Condensers

Write for Latest Catalogue



Pumps of every Description

Size and Styles for Every Known Duty

Canadian Buffalo Forge Co., Limited, Montreal, Oue.

We manufacture and carry in stock

TRIPLEX POWER PUMPS **DUPLEX STEAM PUMPS** SINGLE CYLINDER STEAM PUMPS

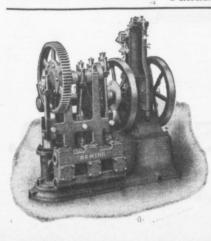
For every service

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

DARLING BROTHERS, LIMITED

Branch Offices : TORONTO

Reliance Works : MONTREAL



nue

or-ose

ith

ken the on,

ite. ets, ost

ion the

Bil

ub-wk-

of

hn

etal be

end ex-ned

dry

rloo

ring

ring otre

10n,

reet

ling

Vm olet

mps

tyles

hity

D

REAL

streets, cost \$2,000 ; O. Parent, con struction of hangars, etc., on Laframboise street, cost \$5,000; A. Fleury, building on Ste. Cecile street, cost \$1,200.

KINGSTON, ONT. — New York capitalists are considering the erection of a sanitarium on one of the Thousand Islands. — Specifications for the new Rindpoisal building are helical properties. Islands. — Specifications for the new Biological building are being prepared. — The Government is preparing for additions and renovations to the Tete du Pont barracks, cost \$100,000. — Preparations are being made for enlarging the locomotive works here.

the locomotive works here.

HAMILTON, ONT.—It is expected that the new theatre promoted by C. W. Bennett, of London, will be erected in connection with the Union station at King and Hughson streets.—J. J. Holland, of Acton, has purchased the Station Hotel, Stuart street, on which he purposes making alterations.—Plans have been prepared for rebuilding front of the old armory building.

old armory building.

EDMONTON, ALTA. — Building permits have been issued as follows: Pickering Bros., dwelling, Sixth street, \$7,000; Joseph Langlais. dwelling, Seventh street, \$3,000; C. Turgeon, dwelling, Second street, \$1800.—A large hotel to cost \$20,000 will be erected on 1st street.—Gorman & Clancey, dealers in wholesale builders' supplies, will build a large warehouse on 4th street. a large warehouse on 4th street.

MONCTON, N. B.—L. K. Jones Department of Railways and Canals, Ottawa, will receive tenders up to August 28th. for erection of a passenger car repair shop, paint shop and store house for the I. C. R. Plans at the Department and at the office of the general manager of Govern-ment-Railways and with the superinten-ding engineer of canals of the Province of Onebec, No.2 Place d'Armes, Montreal.

to Quebec, No. 2 Place d Armes, Montreal.

LONDON, ONT.—Building permits have been issued as follows: H. McLean, brick veneer dwelling, Roberts avenue; W. Gurd, two-story brick dwelling, 4th Princess avenue; W. Pegler, dwelling, West William street; J. W. Cawrse, two-story brick residence, corner Wharncliffe road and Victoria street; Green-Swift Company, three-story and basement warehouse, Talbot street; A. Greer, three brick veneer dwellings, Wellington street; H. E. Whetter, cement block street; H. E. Whetter, cement block residence, James street; G. K. Campbell, two-story pressed brick dwelling, St. James street; J. W. Clayton, one-and-a half story brick residence, Cath-cart street; Kowland Oates, a one-and-ahalf story cement block residence, Eva street.—Tenders have been taken for constructing sewers in Duchess avenue and Marley place.

VANCOUVER, B.C.—It is understood that the new Bank of Commerce building to be erected corner of Granville and Hastings streets will cost \$300,000.—A three-storey brick block is to be erected on Abbott street for Mrs. R. Winters.— Parr & Fee, architects, have prepared plans for a two-storey frame block, corner Granv lle and Smithe streets for M-Caulay & Nicolls.—Plans have been pre-Cauray & Nicoris.—Frans have been pre-pared for a five street warehouse on Beatty street, cost \$30,000.— Grait & Henderson, architects, have prepared plans for a brick and stone block on Pender street for Dr. N. Drier, cost \$7.

ooo.— Captain B. J. Ree will build a residence on Pandora street, cost \$1,600.

—P. W. Hempville will build two houses on Lansdowne avenue,—Sam Sing will erect a building on Princess street, cost \$1,500.—The Vancouver Free Library building will be remodelled into an hotel building for H. G. Gissett.—The following permits have been issued: D. G. McLennan, one frame dwelling, Seymour street, \$2,000; William Gormiley, one frame dwelling, Seymour street, \$2,000; R. Bowman, brick warehouse, Beatty street, \$15,000.

WINNIPEG, MAN. — Minister of Public Works has taken tenders for new metal roofing on the cld Gourt House.—F. W. Drewry, Chairman of the Parks - Captain B. J. Ree will build a

metal roofing on the cld Gourt House.—F. W. Drewry, Chairman of the Parks Committee will receive tenders up to August 23rd for fencing Alexander Square.—F. Gel nas, Department of Public Works, Ottawa, will receive tenders up to August 27th for the erection of forge building at Fort Obborne. Plans at the Department and with J. Greenfield, Superintendert of Public Buildings.—The Fire, Water and Light Committee will receive tenders up to September 10th for supply of 2,000 half inch water meters. They will also receive tenders



JOHN GALT

CONSULTING ENGINEER and EXPERT

> WATERWORKS, SEWERACE AND ELECTRIC LICHT

Chief Assistant Engineers:
O. W. SMITH, C. E. W. J. BOWERS, C. E.

23 Jordan Street TORONTO

JOHN S. FIELDING

Mem. 80c. C. E. West Penn. '87.

Mem. Engineer's Club, Toronto

CONSULTING ENGINEER

Water Power Development
Room 2, 15 Toronto Street, TORONTO, ONT.

McDOUGALL & McRAE **ENGINEERS**

Electric Light and Power Plants. Electric Railroads. General Consulting Work. OTTAWA Citizen Building

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

Men for Contractors

thone WINNIPEG, MAN. Main St. Men of all descriptions furnished on short notice for railroad and building contracts. tion Given to Furnishing Gangs

E. E. BRYANS & CO.

BITULITHIC PAVEMENT RECORD ■ BITULITHIC PAVEMENT RE

Under Contract June 1, 1906, 1,558 734 89, Vds.

Bitulithic Pavement Contracted for in 5 years: 4,953 659 8q. Yds.

Increase in 5 years, 9,500 (Over 12,700 holes in Trinidad Asphelt Pavements in Toronto, Notone in the Bitulithic Pavements.

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 W. McNALLY & CO., Montreal Culvert Pipes, &c.

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

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

Machinery for Bad Roads

Graders, Stone Crushers, Scrapers, Concrete Culvert Moulds, Gravel Screening Plants (portable), Spreading and Dumping Wagons, Steam and Gasoline Engines. Send for prices.

Climax Road Machine Co., Hamilton, Ont. up to August 27th for erection of warehouse, transformer house and repair shop for the electric department. Pluns with Eade Bros., architects.—F. R. Evans, architect, has taken tenders for alterations and additions to residence on Rupert street for R. Robinson.—The property owners on Logan avenue have petitioned for asphalt pavement from Ellen to Nena street.—The Fire, Water and Light Committee have decided to erect three new fire halls they will also repair the fire hall, corner York and Smith streets.—The Sherwin-Williams Paint & Varnish Co. have purchased a site on Notre Dame avenue for wareup to August 27th for erection of waresite on Notre Dame avenue for ware-house.—Plans for the new Union station of the C. N. R. and G. T. P. R. are about completed, seven storey brick and stone building.

TORONTO, ONT. - Langley and Langley, architects, are receiving tenders for erection of Aged Women's Home, on Belmont street, brick and stone bu lding, 4-storey and basement.— A. Simpson, architect, is preparing plans for hotel, corner Sumach and King streets, for which tenders will soon be taken.—Eliis which tenders will soon be taken.—Elis & Connery, architects are preparing plans for a high school building at Oshawa, also for two factories at Toronto Juncton, a house for F. J. Fisher and additions to buildings of Sheppard Printing Co.—Same architects are calling for tenders for erection of a residence for J. Armstrong.—Copeland & Fairbairn, real estate brokers, have sold a site on Westmoreland avenue, north of C.P. R. for two residences.—A Pennsylvania steel firm are negotiating for a site on Royce avenue, for a branch of their industry.—Tenders are invited at 675 Dufferin street for carpenter work on two houses.—The Wm. Davies Co. will erect a two-storey brick stable on Vine street, cost \$20,000.—The erection of a new church for St. Anne's congregation is being considered. Anne's congregation is being considered.

-Building permits have been issued as follows: John Dixon, 3-storey brick dwelling, Chestnut Park road, cost \$8,-

JOHN S. FIELDING

Mem Engineer's Club. Toronto
CONSULTING ENGINEER

DAMS

Room 2, 15 Toronto Street, TORONTO, ONT.

JOHN T. FARMER

MECHANICAL and HYDRAULIC ENGINEER

418 Coristine Bldg. - MONTREAL

WHY PURCHASE STRUCTURAL STEEL

We offer 300 tons second hand TEE AND GIRDER RAILS, for bridges, &c., cut in lengths to suit purchasers.

SESSENWEIN BROS., MONTREAL CANADIAN AGENTS

Crushed Stone. Limited

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

KIRKFIELD, ONT.

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



New, Re-built and Second-hand

TRACTION and PORTABLE ENGINES

For drawing and driving Rock Crushers, Road Graders, Cement Mixers, Grinders, Threshers, Plows, Saw Mills and miscellaners,

All Powers Quality the Best Correspondence Solicited

Sawyer & Massey Co., Ltd.

Road Machinery Department Hamilton

OHNSON CORRUGATED STEEL BAR

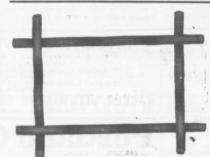




REINFORCED CONCRETE

THE CORRUGATED STEEL BAR CO. OF CANADA. LIMITED

Office: Coristine Building, MONTREAL



CONCRETE BONDING

CRIMPED STFEL WIRE

THE STRONGEST. BEST AND CHEAPEST

If interested write for pamph-let 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.

MATHER & PLATT, Ltd., Manchester, England.

Drummond, McCall & Co.,

MONTREAL

Spigot and Faucet Pipe

Flanged Pipe

Turned and Bored Pipe

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



MADE IN SEVERAL WEIGHTS PROVED FROM 100 TO 700 LBS.

-AND SPECIAL GASTINGS-

"THE WORLD'S STADARD 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. QUEBEG, P.Q.

R

E

ED

0.

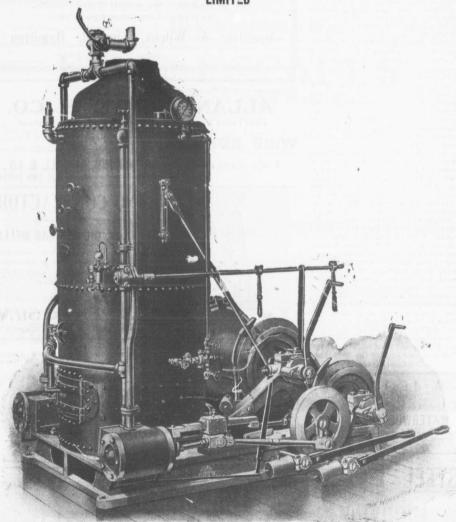
S

po

GHTS LBS.

Q.

ALLIS-CHALMERS-BULLOCK



LIDGERWOOD" DOUBLE

This Holsting Engine, built by us from Lidgerwood designs, is of the most improved type where two independent drums are required. It is specially adapted for pile driving, dock, and bridge building, quarries and railways.

HOISTING ENGINES **ROCK DRILLS** AIR COMPRESSORS

ROCK CRUSHERS BALLAST UNLOADERS STEAM SHOVELS **ELECTRIC LICHT PLANT**

Head Office and Works: MONTREAL

District Offices: MONTREAL: Sovereign Bank Bldg. NEW GLASGOW: N.S. Telephone Bldg. WINNIPEG: Canada Life Bldg.

TORONTO: McKinnon Bldg. NELSON: Josephine St. VANCOUVER: 416 Seymour St.

ooo; N. W. Piper, 2-storey brick addition to factory, corner Front and Windsor streets, cost \$5,000; Benjamin Pears, 2-storey brick dwelling, Roxborough street west, near Avenue road, cost \$4,000; Robt. G. Smyth, 2½-storey brick dwelling, Chestnut Park road, cost \$7,000; M. Charlton, 2-storey brick dwelling, Chestnut Park road, cost \$7,000; M. Charlton, 2-storey brick dwelling, Clinton street, near Bloor, cost \$2,500; John A. McKenzie, 2-storey brick dwelling, St. Clarens avenue, near Wallace, cost \$3,000: T. Yoe, 2-storey and attic brick dwelling, Queen street, near Macdonnel avenue, cost \$3,500; W. R. Hunter, pair brick dwellings, 2-storey and attic brick dwelling, Huron street, near Dupont, cost \$7,000: The George Coles Co., Ltd., brick addition to basement, 719-72t Yonge street, cost \$2,200; J. D. Prenter, 2-storey and attic brick dwelling, Admiral 100ad, cost \$6,000; J. M. Kilgour, 2½-storey brick dwelling, 498 West Marion street, cost \$2,500; A. Laughton, 2-storey and attic dwelling, 26 Leuty avenue, cost \$2,500; A. Laughton, 2-storey and attic brick dwelling, Grace street, and attic brick dwelling, 26 Leuty avenue, cost \$2,500; A. Laughton, 2-storey and attic brick dwelling, Grace street, and attic brick dwelling, Grace nue, cost \$2,500; A. Laughton, 2-storey and attic brick dwelling, Grace street, near Evans avenue, cost \$3,000; Nichel-as L. Garland, 2-storey brick addition to as L. Garland, 2-storey brick addition to store, 1214 Yonge street, cost \$4,500; J. J. Woodroff, 2 storey brick dwell ng, St. Anne's road, cost \$5,000; O sler Wade, 2-storey brick dwelling, Woodlawn ave-nue, cost \$5,000; W. J. Eenner, 2-storey and attic brick dwelling, Glendale avenue, cost \$5,000; Herbert Galbraith, pair 2½-storey brick dwellings, 263-265 Grace street, cost \$4,000; Herbert Galbraith, pair 2½-storey brick dwellings, 261-3 Beatrice street cost \$5,000; R. W. Harri-son, three 2-storey brick stores and dwellson, three 3-storey brick stores and dwellings, Bathurst street near Bloor, cost \$8,000; Norman Baird, 2-storey and attic dwelling, Bloor street, near Lansdowne avenue, cost \$35000; Thos. Hill, pair 2 storey and attic brick dwell ngs. Park road, cost \$5,000; Orr Bros. Ltd., (Continued on page 14.)

A. LEOFRED Consulting Engineer WATERWORKS A SPECIALTY.

39 St. John Street QUEBEC

STEEL HICHWAY

BRIDGES

& DRESSER **JENKS** SARNIA, ONT.

BUILDERS OF STEEL HICHWAY BRIDGES STRUCTURAL STEEL WORK **CONCRETE ABUTMENTS**

Crushed Stone and Slag

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

Doolittle & Wilcox, Limited, Hamilton

Contractors to H. M. Governments

ALLAN, WHYTE @ CO.

Clyde Patent Wire Rope Works, Rutherglen, Glasgow, Scotland

WIRE ROPES for Capleways, Actial Ropertays, Cranes, Derricks, Pile Driving, etc., etc. for Cableways, Aerial Ropeways, Elevators,

Large stocks carried by DRUMMOND, McCALL & CO., MONTREAL AND TORONTO



DRILLING CONTRACTORS

WATER, SALT, OIL AND CAS 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.

W. S. CALVERT, M.P. GEO. S. MAY, M.P.P. F. B. POLSON J. A. McANDREW A. ARDAGH Strathroy Ottawa Toronto Toronto TELEPHONE MAIN 6730

arboline WOOD TIES, SPILES, **PRESERVATIVE** HARBOR WORK, BRIDGES. O (LIMITEO) RITO

VESSEL HULLS, PAVING BLOCKS, FOUNDATIONS.

for

Instructions

for

302, MANNING CHAMBERS, West Queen St

TORONTO



"Lehigh" Portland Cement

Capacity 11,000 Barrels Per Day.

Capacity in 1906 will be 20,000 Barrels per day.

The Lehigh Company are now erecting a plant at Belleville, Ontario, of 4,000 barrels per day capacity. For prices, etc., address—

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

Municipal and Other Bonds and Debentures Bought

Higheat Prices Pald.

G. A. STIMSON & CO.

Please mention this paper when corresponding with advertisers



NOTICE TO CONTRACTORS

We carry in stock large quantities of well matured

Reinforced Concrete Pipe

In 6, 8, 10, 12, 15, 18, 21, 24, 27, 30 and 36 inch; also an Egg shape Sewer Pipe 2 ft. \times 3 ft.

This pipe is Frost Proof and practically indistructable.

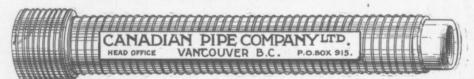
THE DOMINION CONCRETE CO., LIMITED, KEMPTVILLE, ONT.

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



GALYANIZED WIRE WOUND WOODEN PIPE

No frost breaks, no corrosion. No electrolysis. It is easily and cheaply laid.

It carrying capacity is never decreased by rust.

JAMES THOMSON, President. J. G. ALLAN, Vice-President. JAMES. A. THOMSON, Scoretary. ALEX. L. GARTSBORE, Tressurer.

THE CARTSHORE-THOMSON PIPE & FOUNDRY CO.

Manufacturers of

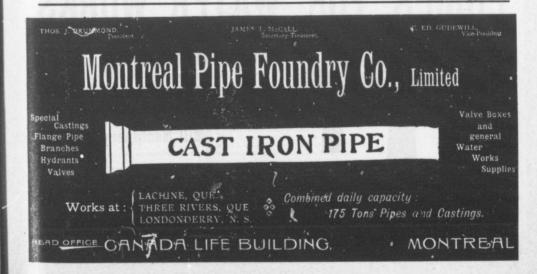
Flexible and Flange Pipe, Special Castings and all kinds of Waterworks Supplies.

·

GAST IRON PIPE

3 inches to 60 inches diameter.

for Water, Gas, Culvert and Sewer



1966

vators,

D., PRÓNTO DRS

tracts ences.

NS

ARDAGH Toronto

S S S S

rio, of

. Y.

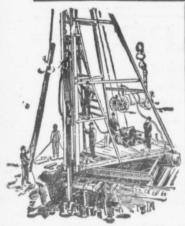
The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

Lecomotive 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 En-gines, Pumping Machinery

To Let-Bridge Building, Trestle Work, Wharves, Dams, Diving Submarine Work and General Contracting.

WM. HOOD & SON MONTREAL

A NEW PAPER Givil Engineering, 6d.

"C. E. Contracts" " Engineering in the Colonies"

185 Fleet Street, London, Eng.

The Ontario Accident Insurance Co.

ACCIDENT, EMPLOYERS, ELEVATOR AND GENERAL LIABILITY . .

104 St. Prancois Xavier St. Montreal

Established 1898

The Hanover Portland Cement Co., L'td. Hanover, Ontario
Manufacturers of the Celebrated

SAUGEEN" Brand PORTLAND GEMENT

Prices on application.
Prompt shipments.

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

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

ELECTRICITY

ar you desire to keep posted on the wonderful progress that is taking place in the use of elec-tricity for an almost endless var-iety of purposes, you should sub-scribe to the

Canadian Electrical News

and Engineering Journal A 44 PAGE MONTHLY, PRICE SI PER YEAR

Write for free sample copy to

The G. H. Mortimer Publishing Go.

Toronto Montreal Winnipeg Vancouver



and Foundation Work.

5-ton Automatic Steam Pile Hami 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. 4646 Office and yard 307 Logs n Ave.—Phone M. 2007

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.,

Prices of Building Material

PRESSED BRICK, Per M.

TORONTO PRESSED BRICK AND TERR	F.O.B. Milton, Ont.
Red No. 1	\$13.00
14 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	4100
Hard Building	8 0
" Sewer	8 00
" Backing	7 00
Mount ond Ornamental from \$2.00 Terra Cotta String Courses and Frie \$2.00 per ft. run.	to \$5.00 per 100 ze, from 500. to

DON VALLEY BRICK WORKS.	
Nos. 1, and 2, Red Pressed Bricks Nos. 1 and 2 Buff Pressed Brick No. 1 Brown Pressed Brick Pompeijan Red, Buff and Brown Pressed	d office,
Bricks Oramental Bricks of all kinds for Man- tel purposes Enameled Bricks of all Colors Porous Terra Cotta Fireproofing of all	e to hea St. Toro
Descriptions Vitrified Street-Paving Bricks Semi-Vitrified Foundation Bricks	ase writ
Common Stock Red and Grey Bricks Sewer Bricks Stone or Macadamized Roadways	0 -

Vitrified Paving Brick No. 1....

CAR OR CARGO LOTS, F.O.B.	TORO	NTO.
	Per	M. Ft.
I inch No. I Pine cuts and better		
11/2 to 2 inch No. 1 cuts and better	53.00	55.00
1 inch No. 1. Pine cuts and better	38.00	40.00
1 16 to 2 inch No. 3 cuts and better	40.00	42.00
I 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	31.00	24.00
I inch mill run sidings	21,00	22,00
1 inch mili run	21,00	22,00
1 x 10 and 12 mill culls	17.00	18.00
r inch dead cull sidings	12.00	13.00
11/4 inch Flooring	27.00	28.00
Hemlock, 1 x 4 to 8 inch		17.00
2 x 4 to 8 inch, 12 to 26 fee,	17.00	18.00
2 X 4 to 10 inch, 18 feet	18.00	19.00
11/2 inch No. 14 ft. Pine 1,2th	4.50	5.00
1% inch No. 2 4 ft. Lath	3.40	3.50
11/2 inch No. 1 4 ft. Hemlock		
Lath		3.50
XXXX Pine Shingles	2.90	
XX Cedar Shingles	2.25	2.30
B.C Shingles:		
XXX 6 butts to 2 inch		3.1
XXXX 6 to 23-16 inch		3.37

(ER

er

PS

).,

HARDWOODS-PER M. PERT CAR LOTS.

and the sale and ands a to		
Ash, white, 1sts and 2nds, 1 to 2 inch	\$33.00	to \$35.00
116 inch	28.00	30.00
Birch, M. R. 1 inch	22.00	24.00
" 1½ inch to 2	23.00	25.00
Basswood, Common and better,		
1 to 11/2 inch	21.00	24 00
Basswood, 11/2 to 2 inch	24.00	26.00
Elm, soft, mill run, I to 11/4 in .	23.00	24.00
Elm, rock, mill run, 1 to 11/2 in	24.00	25.00
Maple, common and better, I to		
1%,inch	22.00	23.00
Oak red plain, 1sts and 2nds,		7.0
2 to 4 inch	44.00	46.00
Oak, white, 1sts and 2nds, 1 to	44	
1½ inch	42.00	44.00
Oak quartered rate and ands.	70.00	80.00

Western Debentures

I am always open to buy all classes of Mani-toba, Saskatchewao and Alberta debentures. I deal exclusively is Western issues. Highest prices paid. Prompt settlement. Write or

J. W. NAY, "New Leader Block Regina, Saak. P.O. Drawer, 771. Codes: Liebers, A.B.C., Fourth Edition.

Lafarge (NON-STAINING) Cement

PORTLAND CEMENT DRAIN PIPES

FIRE BRICKS FIRE CLAY

CULVERT PIPES

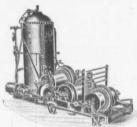
SEWER BRICK

SEWER BOTTOMS

F. HYDE & CO..

King, Queen and Wellington Sts.

- MONTREAL



M. BEATTY & SONS, Limited

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, Goal and Concrete Tubs, and other Contractors' Machinery,

The Toronto Pottery Company, Ltd. Toronto, Ontario

Manufacturers and Jobbers of

Contractors' Supplies

Fire Brick, Paving Brick,

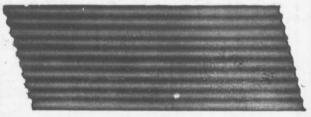
Portland Cement, Sewer Pipe

Write for prices

CORRUGATED

600 TON STOCK.

PROMPT DELIVERY.



Pedlar's Corrugated Steel Sheets are manufactured on a 38,000 lb. Ohl Press one corrugation at a time—and are guaranteed straight and true to size.

Six Hundred Tone in Stock in Oshawa, Montreal, Toronto, Ottawa and London, in gauges varying from 28 to 18, both painted and galvanized. Made in "", "" or "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 lagest 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 Craig St. W. 423 bussex St. 11 Colberne St. 64 Dundas St. 161, emlaid St. 615 Fender St.

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

THE CREY AND BRUCE PORTLAND CEMENT COMPANY

of Shallow Lake, Limited.

Manufacturers of

BRAND OF NEKGULEO PORTLANDCEMENT

CREASOR, Sec'y-Trass. Head Office, Owen Sound, Ont.

Phone No.: PARKDALE 1809.

Post Office and Telegraph Address: SWANSEA.

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



MANUFACTURERS OF

VITRIFIED SALT GLAZED -

In Sizes from 4 Inches to 24 faches

Judge a Cement by Works."Its

AMFRICAN



GERMAN

D

make in good faith. That guarantee is backed by the oldest and most responsible is sold under a guarantee other portlands manufacturers in the world. Selected for PANAMA CANAL in Preference at Equal Prices and is exceeding those severe requirements.

West this year.

The best color and most durable for cement blocks and sidewalks.

93,000 bbls. City of Rochester Reservoir.
Write for list of other important works in all sections.



The Toronto Pressed Steel Go., 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

WINNIPEG OFFICE: BANK OF BRITISH NORTH AMERICA BUILDING

ENGINEERS AND CONTRACTORS

FOR

Steam and Electric Railroads: Electric Light and Power Plants: Building Con-struction: Water and Gas Works: Docks, Harbor Works, etc., etc.

J. G. WHITE & COMPANY, INC.,

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

WARING-WHITE BUILDING CO.

"The Cement of Quality"

The Highest



Tests of Portland Cement

The City Engineer of Toronto for 1903-4

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

Year.	y y y					Setting Time in Minutes		Tensile Strength in pounds per square inch.								
	ampl	Soundness Faiji Test.	avit	est on 100 Sier	Neat.		Neat,			3 (Sand) to 1 (Cement)						
	No S	Paigi Test.	Spe	Resi Te No. 1	Initial	Final	t dy.	7 d, s	a9 dys.	3 mos	t yr.	ı dy.	7 dys.	28 dys.	3 mos.	ı yr.
1903	20	о.к.	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

Head Office and Mills : DURHAM, ONTARIO

D

GEO. H. ARCHIBALD CONSULTING CIVIL ENGINEER

820 Union Bank Bldg. WINNIPEG, CAN.

Municipal Improvements. ReinforcedConcrete and SteelConstruction

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, SEWERACE AND SEWACE DISPOSAL

Wm. Mahlon Davis, Herbert Johnston, C. R. M. Can. Soc. C. R. 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 Barutic Stone Company of Ontario, Limited.

WALTER MILLS
General Manager.

Head Office : INGERSOLL, ONT.

THE PHOENIX BRIDGE & IRON WORKS, LIMITED

GENERAL STEEL CONTRACTORS

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

Dominion Bridge

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

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

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

PORTLAND



Manufactures the

AS GOOD AS THE BEST FOR ANY PURPOSE

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



The Locomotive and Machine Company

NEW YORK OFFICE: 111 BRGADWAY N.Y.

Structural Steel

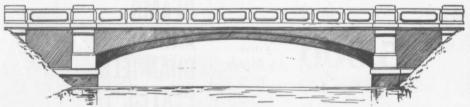
WORKS: LONG POINT MONTREAL

BRIDGES

NEW AND SECOND HAND CONTRACTORS' LOCOMOTIVES

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

I-storey brick and steel restaurant, 35-37 Queen strees east, \$30,000.—The Ontar of Cabinet will be asked to consider giving an additional \$150,000 towards the new Physics Building to be erected in Queen's Park.—J. D. Farquhar, 12 King street east, is asking for tenders for all trades except brick and stone, for erection of three houses.—E. C. Whitney, Ottawa, is interested in the erection of a residence for Toronto University, for which plans have been prepared.—The G. T. R. are considering the erection of a large brick freight shed, on Wellington street, from Simcoe to John.—The Board of Control will receive tenders up to August 28th, for construction of Asphalt pavement on Ulster and Hayter streets, Mulock, Heward and Laxton avenues, also a number of concrete sidewalks and other works; also up to September 4th for slating etc., of roof of Firehall No. 8, College street.

CONTRACTS AWARDED.

LANARK, ONT.— Alterations to St. Paul's church: W. Connors, contractor. ELGIN, MAN.—Erection of Methodist

ELGIN, MAN.—Erection of Methodist church: Israel McGrath, contractor, cost about \$5,000.

MAXVILLE, ONT.— Construction of granolithic walks: Morrisburg Concrete Co., contractors.

LONDON, ONT. — Construction of sewers in Grosvenor and York streets: F. Harding, successful tenderer.

NEW WESTMINSTER, B. C.—Erection of twelve houses at Millside for Fraser River Sawmills Co., Patrick Kelly, contractor.

MONCTON, N. B.—The C. P. R. have ordered from the Kingston locomotive works two passenger locomotives for the Prince Edward Island road, cost about

\$13,000 each. REGINA, SASK.—Construction of Bell

SAMSON CEMENT

MANUFACTURED B

THE OWEN SOUND PORTLAND CEMENT COMPANY, LIMITED

Works at SHALLOW LAKE, ONT.

Write us for prices.

PORTLAND CEMENT.



SEWER PIPES
FIRE BRICKS
FIRE CLAY
ALEX. BREMNER

50 Bleury Street, MONTREAL

Portland Cement



Monarch Brand

Highest quality—guaranteed to fulfill the requirements of specifications for Portland Cement approved of by the Canadian and American Societies of Civil Engineers.

Prompt shipments from mill or stock at Fort William and Port Arthur.

THE LAKEFIELD PORTLAND CEMENT CO.,
LAKEFIELD, ONT.

WE BUILD

STRUCTURAL STEEL

for

Bridges, Viaducts

5.000 Tons in Stock

BEAMS
ANGLES
CHANNELS
PLATES, ETC.

Stock lists furnished on application

The HAMILTON BRIDGE WORKS COMPANY, Limited HAMILTON, CAN.

Tele der M, S E Clat beer ooo by the corn try, Bros Liste

Shi Gon

I KAN

E. L

LE

Patent

Because :
It Sweep
cision. I
leus geari

1906

MITED

TREAL

Cement n Socie-

it Fort

CO.,

LIMITED

Telephone building on Lorne street: Sny der Bros., contractors, cost \$19,000. E. M. Storey, architect.

M. Storey, architect.

EDMONTON ALTA. — Gorman & Clancey dealers in builders supplies, have been awarded the contract to furnish 15, ooo barrels of Portland Cement to be used by the E. J. Taylor Co., in the construction of sewers here.

ion of sewers here.

TORONTO,ONT.—Remodelling hotel, corner King and George streets: Carpentry, James McKenzie; brickwork, Holtby Bros.—Alterations to factory building of Lister & Co., on Stewart street: Brickwork, R. Chalkley & Son; carpentry, J. McKenzie, H. Simpson is architect for both buildings.

both buildings.

OTTAWA, ONT. — Construction of pavement on Elgin street, from Albert street to the Driveway, bitulithic with creosoted blocks between tracks: Warren Bituminous Paving Co., Toronto, coriractors, cost \$65,892.—Construction of new vandeville theatre: E.C. Horn, New York, contractor, cost \$70,000. contractor, cost \$70,000.

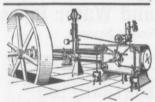
SASKATOON, SASK.—Ths city council have let the following contracts in connection with the waterworks system: Sewer and water pipe laying, Fry & Masterson, Moosejaw, 87,3420; power house, Willoughby & Covert, Saskatoon, \$21,000; water tower, Ontario Wind Engine and Pump Co., \$8,200; iron water pipe and specials, Montreal Pipe Foundry Co., \$30,633; hydrants and valves, R. D. Wood Co., Philadelphia, \$4,000; sewer pipe, Macomb Ili., \$6,500; pumping machinery, Canada Foundry Co., Toronto, \$10,450. SASKATOON, SASK .- The city coun-

Telephone: Main 5127.

Shirley Davidson, B. A. Sc.

Gontracting and Gonsulting Engineer

Bank of Ottawa Bullding, 224 St. James Street, MONTREAL



LEONARD CORLISS ENGINES Girder Frame and
Heavy Duty Styles
LEONARD AUTOMATICS
AND BOILERS

for Steam Plants, Complete

E. LEONARD & SONS, LONDON, GANADA

Blue Lake Cement

THE ONTARIO PORTLAND CEMENT CO. LIMITED. HEAD OFFICE: BRANTFORD, ONT.

OR & MCINTYRE, LIF 67 to 91 Pearl Street, Toronto, Ont.

STRUCTURAL IRON WORKS

Fire Escapes, Library Racks, Sidewalk Door, Jail Cells, 1ron Stairs, Railings, Etc., Etc. SOLE ACENTS FOR DUPLEX HANGERS

WRITE FOR ESTIMATES.

LIGHTNESS, STRENGTH AND ECONOMY

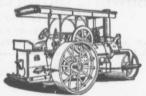


Prompt attention given all inquiries. All goods built to order.

Long Distance Phonos 686 and 684 W. E. SEAGRAVE, WALKERVILLE

"WATEROUS"

ROAD MACHINERY AND FIRE APPARATUS



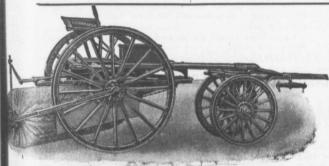
FIRE ENGINES in five sizes, with a full line of firefighting goods

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

BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

IN THREE 81ZE8-10, 12 and 15 ton. CORRESPONDENCE SOLICITED.

HUCH CAMERON & CO., Selling Agents, Manning Chambers, TORONTO





Studebaker Sprinkler

Does not clog or get out of order. Greatest width of spray Can be graded from driver's seat to any volume. tackpole
Patent Improved Street Sweeping Machine to the Standard Can be grade
of Perfection we also make as ...

IMPROVED VERTICAL SPRAY

Recause no sweeper so effectually does the work for which it is designed as "The Studebaker."
It Sweeper Clean. No sweeper is constructed with the same degree of care and mechanical pretion. It Wears well. "The Studebaker" has the smalloot number of working parts, and has
less gearing than any other sweeper made. It is free from all unancessary completations. With Goo. Heaman, Mnfr., London, Ont.

imited

8

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

WILLIS CHIPMAN

Hon. Grad. McGill University.
M. Can. Soc. C.E.
M. Am. Soc. C.E.
Mem Aa. W.W. As'o.
WATERWORKS, SKWERAGE 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.

Coristine Building - MONTREAL

RODERICK J. PARKE

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

CONSULTING ELECTRICAL ENGINEER.

Hlectrical Light and Power. Steam Plants, Gas Power Plants, Water Power Plants. Rstimates. Tests. Reports. Valuations.

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

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

CONNOR, CLARKE & MONDS
CONSULTING ENGINEERS

Hydraulic, Municipal and Railway Work; Long,
Listance Power Transmission; Machinery,
Pumps; Complete Industrial Flants; Fireproof Steel or Reinforced Concrete Office and
Mill Buildings; Bridges, Towers, etc. CEMENT TESTING LABORATORY
36 TORONTO ST. TORONTO, ONT

Paving Granite

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

JOS. BRUNET - COTE DES NEIGES, MONTREAL

SUPPLY

Specialty. Municipalities, Corporations, Residences, inkler For



Wood and Steel Tanks. Steel Substructures Windmilis, Pumps, Gasoline Engines, Hydraulic Engines, Etc.

ONTARIO WIND ENGINE AND PUMP CO., LTD.

WINNIPEG TORONTO MONTREAL

John H. Jackson

CIVIL ENCINEER

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

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

JOHN S. FIELDING

CONSULTING ENGINEER

Expert on Bridges and Machinery Room 2, 15 Toronto Street, TORONTO, ONT

When corresponding with advertisers please mention the CANADIAN CONTRACT RECORD

10

contracts under construction continually. That is why we can do work CHEAPER, QUICKER, JETTER, than small contractors.

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

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

ASPHALT LOCK PAVING

Works : WALKERVILLE, OFT Main Office : WINDSOR, ONT.

THE CANADIAN

MANUFACTURERS OF



Sewers, Culverts and Water Pipes

Inverts for Brick Sewers

ST. JOHNS. P.O.

WRITE FOF DISCOUNTS HAMILTON, ONT.

TGRONTO, ONT

"GIANT" AND "NORTHAMPTON"

PORTLAND CEMENT

For Immediate Delivery

The above Cement we fully guarantee to tulfil 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.O.

REGINALD LAWSON

WESTERN REPRESENTATIVE, UNION BANK BUILDING

Phone 3397

WINNIPEG, MAN

For the Province of Saskatchewan :

REGINA STORAGE AND FORWARDING CO.

REGINA

G

as

NI

ted

MAN

INA

FOUNDATION OF ROADS is the subject no 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 life 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 Seweraye Systems, Railways Temple Building. MONTREAL

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. HARVE

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 or Municipal Water Works. Estimates or geological information cheerfully furnished.

REFERENCES GIVEN

- - - MACHINE BANDED WOOD STAVE WATER PIPE



24", half the cost of cast iron. Write for Catalogue

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

Importers; of

SEWER PIPES.

CULVERT PIPES, ETC. VENT LININGS.

FLUE COVERS,

FIRE BRICKS. FIRE CLAY.

WHITING.



HIGH GRADE ENGLISH

" GERMAN 66 BELGIAN

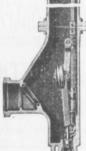
PLASTER OF PARIS BORAX,

CHINA CLAY.



WATERWORKS **SUPPLIES**

HYDRANTS - VALVES PIPE FITTINGS STEAM PUMPS



PUMPING MAGHINERY

8 pecific etre Respectfully Solicited.



The Canadian Fairbanks Co., Limited MONTREAL TORONTO WINNIPES VANCOUVER

- Unexcelled for Strength and Uniformity -

RAVEN LAKE PORTLAND CEMENT

Limited

Long Distance Telephone: RAVEN LAKE, ONT.

Telegraph and Post Office Address: VICTORIA ROAD, ONT

W. J. Lownds, plumber, Toronto Junction, Ont', has assigned to E. R. C. Clarkson.

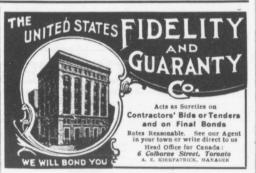
H. Blais & Company, plumbers, Napierville, Que., is the name under which the business of Mrs. Henri Blais is registered.

The business of J. A. Guenard & Company, contractors, Quebec, Que., has been registered.

SIMPSON & LEWIS Civil Engineers

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

Advertisements in the CONTRACT RECORD bring results



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

DERRICK BOXES

STORAGE BINS

&C., &C., &C.

SEND FOR CATALOGUES

E. F. DARTNELL, MONTREAL



THE Matthews Fire Hydrant

Is the recognized Standard Hydrant, and is the easiest Hydrant to keep in order.

Our Hydrants are thoroughly tested before shipment, and are of substantial proportions and weight.

Have your Engineer specify "The Matthew's" and get our tender.

THE KERR ENGINE CO., LIMITED Walkerville

Dist

ritish Golumbia General Contract Company, Limited Telegraphic Address: "Dredging" Fairfield Building, VANGOUVER, B. G.

ENGINEERS and CONTRACTORS

Municipal Works and Buildings

Concrete Construction Harbor Works

Railways Dredging and Reclamation

MANHOLE COVERS and FRAMES



V'e have several designs and this shows the article in most general use. It is Heavy and Substantial, made from good materials and will stand any strain to which it may be subjected.

Will be pleased to furnish particulars of these, together with

CATCH BASINS, HYDRANTS, CURB BOXES, ETC.

R. McDOUGALL COMPANY, Limited. GALT, CANADA.



CANADA FOUNDRY COMPANYLIMITED TORONTO, ONT.

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,

d.

HALIFAX.

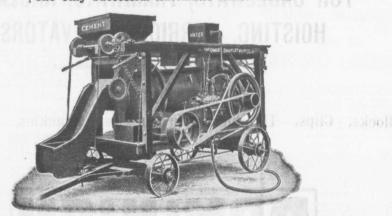
OTTAWA. WINNIPEG.

VANGOUVER.

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

GOOLD, SHAPLEY & MUIR COMPANY, LIMITED BRANTFORD, CANADA

Cableways

For any span for

Bridge, Canal and Dam
Construction

With Aerial Dump and Other Features

WIRE ROPE

FOR CABLEWAYS, TRAMWAYS, HAULAGE HOISTING, DERRICKS, ELEVATORS

Wire Ropes Manufactured for Special Applications

FITTINGS

Blocks, Clips, Thimbles, Turnbuckles, Shackles, Etc., Etc.

Prices on Application.

DOMINION WIRE ROPE CO LE MONTREAL.