#### 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.

TORORTO, MONTREAL - AUGUST 49, 1906 - WINNIPEG, VANCOUVER

No. 26

#### 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, &s per annum, payable in advance,

COMPRDERATION LIPS BUILDING, TORONTO Telephone Main 2362.

Roand Offices :

Roand Solves : Room B94. Board of Trade Building, Montreal,
Telephone Main 2999.

720-721 Union Bank Building, Winnipeg.
Telephone 1774

Davis Chambers, 6:15 Hastings St., Vancouver,
E. C. Telephone 226

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

#### WANTED

Information regarding good farm for rale 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 bow far from town, and mention improvements. Address W. C. CUNNINGHAM,
Andrus Bidg., Minnespolis, Minn.

#### Debentures for Sale County of Hastings

Bealed tenders will be received by the undersigned up to noon of TURSDAY, 47H DAY OF BEFTEMBER, 10.5, for the purchase of twenty debentures of the County of Hustings aggregating Say,000, drawing 5 per cent. Interest. Interest. Interest. County of Hustings aggregating Say,000, drawing 5 per cent. Interest. On the County of Hustings aggregating the County of the Cou Further information given on application to

B. MALLORY,
Treasurer County of Hastings,
Belleville, Ont.

## SALE OF DEBENTURES

Sealed bids will be received by the undersign ed, the City Treasurer of the City of Fredericton New Brunswick, at his office in the City of Fredericton, until moon SEFFEMBER 1511, 1906, for any or all of the following City Debentures issued under authority of the Acts of Assembly of New Brunswick: 45,000 Fredericton Water Improvement Bonds bearing 4%, payable half yearly on March 15th and September 15th, principal payable 5,000 amuslly, beginning September 15th, 1917, and balance of \$10,000 payable September 15th, 1917, and balance of \$10,000 payable September 15th, 1917.

and balance of \$10,000 payable september 13th, 1946.
Also \$15,000 Sewersge Bonds at the same rate with accrued interest from July 13th 1946, maturing July 13th, 1946. 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.
City Treasurer.
Prederiction N. B., August 13th, 1906.

#### To Architects

The undersigned solicits re-engagement as Clerk of Works or Quantity Surveyor. W. FRASER. 143 Grace St., Toronto.

#### EXTENSION OF TIME

TOWN OF MOOSOMIN Province of Saskatchewan

#### TENDERS FOR WATER WORKS

Scaled tenders addressed to the Secretary-Treasurer of the town of Moosomin, Sask., will be received until 7.15 p m, on

#### THURSDAY, SEPTEMBER 20TH, 1906,

for the following subdivisions of the proposers:

for the following subdivisions of the proposed works:

Contract "A."—Trenching, Pipelaying, etc., for 6,000 feet of water mains and 2,000 feet of storm sewers.

Contract "B."—Foo feet of storm sewers.

Contract "D."—Pipes and Specials.

Contract "D."—Pipes and Specials.

Contract "D."—Pipes and Pire Hydrants.

Contract "B."—Sewer Pipes.

Contract "B."—Sewer Pipes.

Contract "G."—Fire Fump and Gasoline Rugins and pecilis will be ready for inspection of the Secretary-Treasurer, Moosomie, Sask., about August 2 st, 1906.

A. WHYTE, Hsq., JOHN SMITHERS, Esq., Mayor.

Mossomiu, Sask.

WILLIS CHIPMAN, C.E.

WILLIS CHIPMAN, C.E.

wil, Lis Chipman, C.E.
Chief Eugineer,
103 Bay Street,
Toronto, Ont.

#### Tenders for Supply of WATER METERS

Scaled tenders addressed to Ald. J. C. Gibson, Chairman ef the Fire, Water and Light Committee, for the supply of 2,000 one-half inch water melters for the city waterworks will be reserved at the office of the undersigned up to 2,30 p.m. on

MONDAY, SEPTEMBER 1978, 1906,

MONDAY, SEPTEMBER 1978, 1906, September 1978, 1906, obpselfications and forms of tender may be obpselded at the office of H. N. Ruttan, City Engineer, Wienipeg, Canada.

Engineer, Wienipeg, Canada.

Engineer, Wienipeg, Canada.

In order the contract of the order of the contract of the

City Clerk's Office.
Winnipeg, August 16, 1906.

#### Wanted

Able energetic superintendent for architect; executive ability; one who can push work intelligently and use necessary foresight to this end. Apply to Box 85, Contract Record.

#### Debentures For Sale

Sealed lenders will be seceived up to noos of MONDAY, SEPTEMBER and, 1966, for the purchase of \$60,000 Water Works Lebentines of the Town of Oshaws dated August 18th, 2006, bearing interest at 4% per cent. Der namen, and repayable at the office of the Treosucer, Oshawa, in 30 equal annual installments of principal and interest. The highest of any tender not necessarily accepted.

THOS. MORRIS,
Town Clerk.

#### CITY OF GUELPH

#### TO CONTRACTORS

Scaled tenders marked "Tender for Cement Walks", will be received by the undersigned up to 3187 INSTANT for the laying of from 5,000 to 10,000 feet of cement walk in accorded to the City Received to the control of the City Received to the City Received to the City Received to the City Received to the City Received.

RICHARD MITCHELL, City Clerk.

#### City of Moosa Jaw, Saskatchewan

#### TENDERS FOR WATERWORKS GONSTRUCTION

Sealed tenders will be received by the under-signed up to MONDAY, SEPTEMBER 1711, 1906, at 50 clock p. m., for the undermentioned contracts, plans and specifications of which can be seen at the office of the City Engineer. The Council reserves to itself the right to reject any able to the Secretary Treasurer at Moose Jaw, is to accompany each tender.

#### CONTRACT A

Labour and certain materials in connection with installing a gravity water supply consisting of 11,800 lineal feet 12" wood stave water main; 29,715 lineal feet 12" wood stave water main, and 650 feet 15" tilt gallary, with all necessary valves and fittings, more or less.

#### CONTRACT B

For the construction of a Concrete Dam with earth embankment at the Snowdy Springs, eight miles south west of the city and a con-crete lining to one side of basin.

#### CONTRACT C

For cleaning off the top soil at Snowdy Springs to a depth of five feet more or less.

#### CONTRACT D

For the construction of a Re-inforced Steel Concrete Storage Reservoir adjoining the City Power House.

JOHN D. SIMPSON, Secretary-Treasurer, Moose Jaw, Sask.

#### WANTED

Position as Engineer to small Town, or as Assistant to City, Town or County Engineer, 7% years similar experience, any part. Box 86, CONTRACT RECORD, Toronto.

## Sealed Tenders

will be received upto SEPTEMBER 18T, NOON, 1006, for the erection and completion of a Public Library building, in whole 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. Lowest or any tender not necessarily accepted. Plans and striker particulars of the property of the proper

#### CONTRACTS OPEN.

SASKATOON, SASK.—The citizens have decided to build a hospital.

PRESTON, ONT.—Dr. Ochs is preparing to build a fine residence.

SHOAL LAKE, MAN.—The Council will purchase a chemical fire engine.

BERLIN, ONT. - The Western Shoe Co., capital \$40,000, will build a factory here.

EAST TORONTO, ONT. — The Toronto Type Foundry Co. intend building here.

TILSONBURG, ONT.—A by-law has been carried providing \$5,000 for waterworks.

MEAFORD, ONT.—The question of constructing a sewerage system is under consideration.

PETERBORO, ONT. — G. Walter Green intends building two residences on

Cedar street.

SYDNEY, N. S.—The Council are considering the building of a bridge over

considering the building of a bridge over Wentworth creek. PARIS, ONT.—The Grand Valley Railway Co. will build a stone or cement

Railway Co. will build a stone or cement block passenger station here. MORRIS, MAN. — On September

MORRIS, MAN. — On September 10th the ratepayers will vote on a by-law to provide \$7,000 for a gas plant.

INGLIS FALLS, ONT.—R. G. Little is this week taking tenders for repairing the dam at the electric light power house.

LADYSMITH, B. C.—The by-law to borrow \$35,000 for installing an electric light plant was defeated on the 11th inst.

ATWOOD, ONT.—T. G. Ratcliffe, Township Clerk, wants tenders by 15th inst. for reconstruction of the Nicholson drain.

THAMESVILLE, ONT.—The waterworks by-law was voted on Monday last. Result not learned at time of going to press.

KENORA, ONT.—Voting on the bylaw to provide \$200,000 for a municipal water power development is taking place to-day.

KAMLOOPS, B. C.—The Council intend to construct a modern sewerage system and are investigating septic tanks.

STRATHCONA, ALTA.—W.H. Martin & Co. have been appointed architects for the completion of the Grandin street school.

WALLACEBURG, ONT.—Contracts are shortly to be let for a new public library, red brick and Roman stone, cost \$10,000.

PRESTON, ONT. — By-laws were carried here on Monday last to establish water works and sewerage systems costing \$73,000.

POWASSAN, ONT.—The ratepayers will vote on a by-law September 1st to raise \$2,000 by debentures for erection of town hall.

SOURIS, MAN.—Bids for purchase of \$3,500 5 per cent. debentures will be received by J. W. Breakey up to September 29th.

OAK POINT, N. B.—Tenders for construction of what here close at the Department of Public Works, O tawa, September roth.

CHARLOTTETOWN, P. E. I.— Tenders are invited up to September 4th for construction of car shop here for Intercolonial Railway.

NORTH BAY, ONT.—Dr. Bell, of Toronto, intends erecting a fine residence here.—The \$10,000 public school debentures have not been sold.

STURGEON FALLS, ONT.—A bylaw was carried here last week to bonus the Northern Ontario Smelting & Refining Co. to establish a smelter.

PORT HOPE, ONT.—Engineers for the Northumberland-Durham Power Co. are making surveys of Healey Falls for the development of electric power.

WELLAND, ONT.—Tenders for construction of main sewer will be received by R. Cooper, Chairman Streets & Sidewalks Committee, up to September 4th.

WOODSTOCK, ONT.—A by-law to loan \$25,000 to Canadian Bearings, Limited, to establish a factory here will be submitted to the ratepayers September 12th.

PORT ARTHUR, ONT.—Thomas Hanley, architect, is taking tenders up to Sept. 3rd for erection of a Baptist church. Plans at store of I. L. Matthews.

NORTH VANCOUVER, B. C.— By-laws were carried last week to raise \$25,000 for waterworks purposes and \$50,000 for improvements in the town site.

GEORGETOWN, ONT. — R. W. King has sold the old foundry to a gentleman who intends converting it into a factory for the manufacture of canners' supplies.

WIARTON, ONT.—Bids for construction of septic tank will be received by W. J. Ferguson, Town Clerk, up to September 3rd. Plans by R. McDowall, C. E., Owen Sound.

PARRY SOUND, ONT.—It is said that the C. P. R. will build a line of rail-way from this place to North Bay.—The Canadian Bank of Commerce will build a fine bank on the old Seguin House lot

BOGNOR, ONT.—J. M. Thomson will receive tenders up to September 3rd for building two concrete abutments for a bridge over Beaver river at Heathcote. Plans by R. McDowall, C. E.

REGINA, SASK.—Bids wanted by J. K. Hunter, City Clerk, by September 15th for purchase of the following debentures: \$130,000 waterworks; \$50,000 sewerage; \$180,000 local improvements,

ST. MARY'S, ONT.—A. E. Welch has submitted a proposition to the Town Council to construct an electric railway between this place and London. He asks the town to purchase \$40.000 of stock.

\$40,000 of stock.

REGINA, SASK.—John Woodman,
C.E., Winnipeg, has been retained by
the Board of Trade to prepare plans for
a Union station.—The Council will ask
for tenders for construction of a storehouse 100 x 62 feet.

MOOSOMIN, SASK.—A Ly-law will likely be submitted to the ratepayers providing for the issue of \$25,000 of debentures for construction of waterworks system, \$5,000 for town hall, and a smaller sum for granolithic walks.

KENTVILLE, N. S.—Tenders are invited by J. Carroll, Town Clerk, up to September 1st, for furnishing material and constructing a system of sewerage, also separate tenders for furnishing the

following sewer pipe: 425 ft. 18 inch; 365 ft. 15 inch; 300 ft. 9 inch; 600 ft. 12 inch; 750 ft. 20 inch; 675 ft. 24 inch; also for supply of cement.

NIAGARA FALLS, ONT.—E. D.

NIAGARA FALLS, ONT.—E. D. Pitt, architect, will probably let contracts this week for new buildings for the Ramapo Co.—Charles F. Townshend has bought property on Bridge street on which to build a residence.

LETHBRIDGE, ALTA.—The ratepayers have approved of by-laws granting exemption from taxation to a flour mill, guaranteeing bonds for a woollen mill, and ratifying the agreement with the Electric Light Co. to bore for gas.

WATERLOU, ONT.—The ratepayers have sanctioned the following by-laws: \$5,000 for a third storage tank and additional waterworks improvements; \$3,000 for park improvements; \$510,000 loan to Interior Hardwood Furnishing Co.

QU'APPELLE, SASK.—J. R. North is about to build a two-story and basement brick business block.—The rate-payers will vote on a by-law to grant a franchise to the Moore Milling Co. to install an electric light plant for the town.

CENTREVILLE, ONT. — E. F. Hinch, Clerk Township of Camden, wants tenders by September 15 for constructing a steel bridge over the Salmon river, also for moving the east pier back its feet and building a 12 ft. wing wall.

15 feet and building a 12 ft. wing wall.
LONDON, ONT.—The Grand Trunk
Railway propose to make improvements
in South London, including the rebuilding of the Cove bridge.—Engineer Moore
has submitted to the City Council a report on the available water supply between Springbank and Kilworth.

BRANTFORD, ONT.—The Waterous Engine Works Co. will build a large addition to their main shop.—T. Harry Jones, City Engineer, is taking tenders up to 30th inst. for construction of macadam pavement on Lorne street and about 2,500 lineal feet of concrete kerb.

PORT COLBORNE, ONT.—A bylaw granting a fixed assessment to the Great Lakes Portland Cement Co. was carried on the 23rd inst.—A. C. Cross is asking for tenders up to September 6th for erection of a residence on Clurence street, two stories and basement, of concrete and brick.

BATTLEFORD, SASK.—The ratepayers have almost unanimously decided in favor of a waterworks system, cost \$30,000, including provision for a building of sufficient size for an electric light plant. The water will be obtained from the Saskatchewan river. A system of sewerage will likely be installed later.

NEW WESTMINSTER, B. C.—It is understood that the project of the British Columbia Electric Railway Company to build an electric railway from this city to Chilliwack has been postponed until next year.—F. J. Hatt & Co. are taking tenders for addition to Mahon block.

GALT, ONT.—Joseph Rigley, Township Clerk of North Dumfries, wants bids by September 8th for roadway construction, including 1,500 cubic yards of excavation.—The Bell Telephone Co. will remodel their system here next year.—Tenders will be invited for heating the fire hall.

PRINCE ALBERT, SASK.—A by-law will likely be submitted to the rate-payers to grant \$25,000 towards a rail-way and traffic bridge across the Saskatchewan river, to be built by the Camadian Notthern Railway.—The directors of the Prince Albert & Hudson's Bay Railway have decided to begin the preliminary survey at once.

HAMILTON, ONT.—A by-law will likely be submitted to the ratepayers next January to raise \$30,000 to build a Home

378 (

379

399

402

390

1

404 ( 382 (

382 ( 382 ( 382 (

391 386

387 388

388 405 385

-

V

1;

id n

th

rs

s:

an

o.

th

to

m,

en,

nk

nts ld-

re-

er-

rge

ers

ıca ind

rb.

by

the

was

055

em-

on

ase-

ateded

cost

ild-

ight

rom

-It the

omrom

teou Co hon

own

ants

con s of

next

neat-

byrate-

rail-Sas-Can-

ctors Bay pre will

next Iome

## Second-Hand Plant IMMEDIATE SALE

378 2 No. 25 Beatty Hoisting Engines, shop Nos. 467 and 468, with No. 2 swingers, 12 ft. turn table rims.

379 suspensions rods, leading sheaves, straps, pins and bolts.

380 1 No. 27 Beatty Hoisting Engine, shop No. 470, with 3 drums to operate clam and No. 2 swinger, 12 ft. turn table rim, suspension rods, leading sheaves, etc.

394 (261/2 in. x 8 in. Marsh & Henthorn Double Cylinder, Double Drum Hoisting Engine and Boilers complete with swingers.

Beatty Hoists, 3 drum No. 25.

408 1 Boiler, 25 h.p.

409 I Boiler Upright and I Stack.

410 1 Engine. 396 1 No. 21/2 Smith Concrete Mixer on truck with engine and boiler.

389 1 No. 21/2 Smith Concrete Mixer, shop No. M723, on truck with boiler and engine.

399 1 No. 2 Ransome Concrete Mixer complete with 30 x 84 boiler and 6 x 6 engine mounted on wooden frame and wheels, and automatic water tank feed and discharge chute and poles.

402 I No. 2 Ransome Concrete Mixer equipped with 6 x 6 engine and 30 x 84 boiler, mounted on wooden frame and wheels complete with automatic water tank feed and discharge chute and pole.

390 5 34 yd. Cyclopean Concrete Buckets, hand trip, with chain bail.

384 1 30 H.P. 11 x 10 Engine, driving pulley 52 x 15.
1 40 H.P. Locomotive Boiler, No. B, with usual castings and fittings, including injector and 40 ft. of 18 in. ga. stack, boiler placed on skids.

1 No. 4 Champion Steel Frame Crusher on skids

having manganese steel dies.

1 14 ft. Elevator with driving connections.
1 Chute Screen with 1 in. perforated holes.

100 ft. of 4 ply, 8 in. Rubber Belting. 1 set Manganese Steel Dies for No.4 Crusher.

401 6 Dump Cars. 6 Dump Cars, and 3 pairs wheels and axles.

10 Dump Cars.

404 6 Cars. 382 6 Steel Skips, 4 ft. x 5 ft. 3 sets of Chains with roosters.
382 6 Steel Skips, 4 ft. x 5 ft.

382 6 Steel Skips, 4 ft. x 5 ft. 382 6 Steel Skips, 4 ft. x 5 ft.

2 sets of Chains with roosters. 400 4 Holland Lights.

2 No. 3 Wells Lights complete. 2 No. 3 Wells Lights complete. 1 Cement Tester, No. 3184.

386 1 8 in. Ericson Hot Engine No. 16672, 11/2 in. pump, fittings, etc.

387 I Blake Duplex Steam Pump, 4½ x 2¾ x 4, No. 123482-3.

388 I Albert Force Hand Pump and Fittings. 405 I 6 x 5 x 7 Brass Fitted Duplex Pump. 385 2 No. L. G. Drills, fitted for steam.

393 1 No. 5 Horizontal Centrifugal Pump complete with fittings.

2 Tripods complete.

3 No. 2 L. G. Drills, fitted for steam.

3 No. 3 Tripods complete with weights.
381 3 sets of No. 2 Beatty Guy Derrick Irons with new pattern shoes, including extra pieces for one set of irons to use third rope.

383 2 sets No. 3 Beatty Stiff Leg Derrick Irons with new pattern M & B shoes, and No. 2 top leg straps, comprising 2 M & B shoes 10 in. inside, 2 Steps with 2 Parallel Sheaves.

2 Gudgeons.

2 Mast Bands.

2 Mast Bands with one link.

2 Mast Brackets with two 12 in sheaves.

2 Boom Bands with two links.

2 Sheave Blocks with eye hook and overhaul weight.

Sheave Blocks without hook.

2 Sheave Blocks without hook with becket.

4 No. 2 Top Leg Straps 6 in. and 11/2 in. x 16 bolts.

4 Bottom Leg Straps 5 in. x 1 in. and 12 bolts. 4 Bottom Leg Strap, Pins and Washers. 2 12 in. x 56 in. Sheaves.

2 Sheave Pins 11/4 in. x 12 in. 8 5/8 in. Rope Clips, 45/8 in. Thimbles.

2 sets No. 3 Beatty Stiff Leg Derrick Irons with new pattern mast and boom shoes, comprising 2 mast and boom shoes 10 in.inside,

2 Steps Parallel Sheaves.

2 Gudgeons

Mast Bands.

2 Mast Bands, 1 link.

Mast Brackets, 2 sheaves.

Boom Bands, 2 links.

2 Sheave Blocks, eye hook, overhaul weight.

2 Sheave Blocks, no hook.

2 Sheave blocks, no hook, with becket. 4 Top Leg Straps 5 in. x 1 ½ in. 16 bolts.
4 Bottom Straps 5 in. x 1 in. 12 bolts.
4 Bottom Straps pins and washers.
2 12 in. x 5% in. Sheaves.

8 5/8 in. Wire Rope Clips

1000 ft. 5/8 in. x 19 Crucible Cast Steel Rope.

500 ft. ½ in. x 19 Crucible Cast Steel Rope.
398 500 ft. ½ in. best C. C. S. 6 x 19 whc.
1100 ft. 5% in. best C. C. S. 6 x 19 whc.
700 ft. ¾ in. best C. C. S. 6 x 19 whc.
600 ft. 1 in. Galvd. S. M. S. 6 x 7 whc. 812 lbs.

600 ft. ½ in. Galvd. S. M. S. 6 x 7 whc. 247 lbs. 397 500 ft. 5/8 in. x 19 Crucible Cast Steel Rope.

500 ft. 1/2 in. x 19 Crucible Cast Steel Rope.

750 ft. 5% in. x 19 Crucible Cast Steel Rope. 500 ft. ½ in. x 19 Crucible Cast Steel Rope.

2 Lengths 56 in. Best C. C. S. 260' ea. 1040'.
2 Lengths 56 in. Best C. C. S. 300' ea. 600'.
20 Lengths 1 in. Galvd. S. M. S. 200' ea. 5680'.
403 1 Royal Western Chief Blower.

412 Drag Link, Counter Shaft, Pulley, Boxes.

411 Several sizes Wire Rope Sheaves.

Full Particulars on Application.

## W.H.C. MUSSEN & CO.

Railway, Mining and Contractors' Supplies

MONTREAL

thi free on be the Pa Bi be Hi ho irre in bu de br & wi for of

in

ter Po ric an co

str in co str W 51 on to ea D

eri

C

M

T

for Incurables.—The City will likely construct a bridge at Emerald street.—E. D. Cah II will bu ld five residences on Sanford avenue, and three on Madison avenue., cost \$14,000; Stewart McPhie, architect.

PORTAGE LA PRAIRIE, MAN.— The Bell Telephone Co. have purchased property on Campbell street on which to erect a new building. — The Waterloo Manufacturing Co. will build a large storehouse and factory here.—The Detachable Boiler Flue Co., in which J. M. Cozier is interested, will build a factory here.

VICTORIA, B.C.—Two waterworks schemes will probably be submitted to the ratepayers, one proposed by the Mayor and costing about \$300,000, and the other proposed by the Water Committee, and costing approximately \$167,-000.— It is understood that Fred Pemberton has had plans prepared for a new office building on Broad street, to cost \$17,000.

QUEBEC, QUE. — L. A. Auger, architect, has prepared plans for extensive alterations and improvements to the head office of the Nationale Bank of Quebec. —Cox & Amos, architects, Montreal, are the architects for the Union Bank improvements.—Under the management of the Deleware & Hudson Railway Co., the Quebec Southern & South Shore Railways will be extended. Fifty lines will be built this fall and early next spring the line will be extended to Quebec.

MONCTON, N. B.—D. Pottinger, manager Intercolonial Railway, wants tenders by September 3rd for steel superstructure of bridge at Doaktown, steel superstructure and masonry substructure of bridge at Boiestown, and superstructure of bridge at Boiestown, and superstructure of bridge at Boyer River, Que., also up to September 8th for excavating and grading for new tracks between North street station and the grain elevator at Halifax, N. S.

OTTAWA, ONT.—Plans have been prepared in the Public Works Department for an addition to the Supreme Court building.—Ald. James Davidson and A. E. Dyment, M.P., will erect a \$60,000 apartment house on Sparks street.—P. Shearson Gregory, architect, is this week taking tenders on addition to 73 Rideau street.—F. Gelinas, Secretary Department of Public Works, Ottawa, desires tenders by September 11th for construction of an addition to the Supreme Court Library.

FREDERICTON, N. B.—Provincial engineers recently inspected several bridges, and as a result the Sawmill Creek and Hamilton Creek bridges are likely to be rebuilt.—The city is offering debentures for sale. Bids received by I.

R. Golding, City Treasurer, up to September 10th.—Tenders are requested by C. H. LaBillois, Commissioner of Public Works, up to September 3rd for rebuilding M Iton bridge in parish of Sackville, Westmorland county. Plans at the Department and at office of A. B. Pott, M. P. P., Sackville.

EDMONTON, ALTA. — Alderman Sm th and R. Driscoll intend bu lding a brick block on property recently purchased on Rice street.—H. A. Magoon, arch tect, has prepared plans for a new

EDMONTON, ALTA. — Alderman Sm th and R. Driscoll intend bu lding a brick block on property recently purchased on Rice street.—H. A. Magoon, arch'tect, has prepared plans for a new Y.M.C.A builling at corner of Howard and May streets.—Plans have been received here for the new building on Jasper avenue for the Credit-Foncier Co. It will be three-stories, solid brick walls, with concrete and stone finish and hot water heating.—By-laws were carried here last week as follows: \$46,000 for parks, exhibition grounds, etc.; \$12,000 to purchase road and ditching machinery; \$65,400 to install a new telephone system; \$11,500 additional for Isolation hospital.

MONTREAL, QUE.—It is probable that the Canadian Pacific Railway will shortly call for tenders for renewal of 48 bridges on the main line between this city and Quebec, to be entirely of steel.—It is understood that the Bell Telephone Co. intend building a new exchange in the north end of the city.—Morgan & Co. will build an automobile and general warehouse in the vicinity of Beaver Hall H II, at cost of \$55,00.—A large addition will be built to the Place Vigers Hotel at the close of the present season.—The Canadian Rubber Co. have decided on extensive improvements, including the erection of new buildings.—It is understood that the promoters of the Vaudeville theatre on corner of St. Catherine and City Councillors street will erect an entirely new buildings, of pressed brick and concrete, cost \$70,000.
—The bulling permits granted in this city up to August 23rd represented a valuation of \$5,782,323.

VANCOUVER, B.C.-McLean Bros.

are about to build a saw mill near the mouth of the Fraser river.—The British Columbia Powder Co. intend building a powder mill on the west side of the Nosth Arm of the inlet. Plans for the mechanical equipment are now being prepared.—Plans are understood to have been finally accepted for the court house to be built in this city, at estimated cost of \$250,000. F. M. Ra'tenbury is the architect, while Dalton & Evrleigh will superintend the work of construction.—The City Counc I have decided to submit a by-liw to the ratepayers to provide \$35,000 for the purpose of a site for an incinerator.—The Counc I will also ask the approval of the Department of Marine & Fisheries of a plan for the improvement of the unoper end of False Creek.—Sawyer & Yale have returned to this city after an inspection of the linds of the Orient I Power & Poly Co., and state that Mr. Hardy, the engineer, has tiken the necessary levels for making the plans for the mill as well as for the devel pment of the water power.

as for the devel spinent of the water power, architects, have prepared class for the new sub-txtion to be built by the City. It wil be of brick and stone, with reinforced concrete floors and steel beams.— The City Clark desires tenders by September toth for supply of 2,000 one-half inch water meters.—It is reported that the C.P.R. have definitely decided to build a summer hot-l at the Beach.—It is understood that plans will be prepared immediately for the new Col'egiate Inst tute.—The Canadian Northern Railway are said to have decided on Fort Rouge as the site for their new shops.—Ridgley Lodge I.O.O.F. have purchased land on Tache street on which to build a hall.—The Fire, Water & Light Committee will this week make an examination of Potter's Springs as a probable source of water supply.—The Gurney Foundry Co., of Toronte, have purchased land on Lombard street, this city, on which to build a warehouse, five stories, cost \$50,000.—G. A. Tetter, arch tect, is

## BUFFALO STEAM PUMPS

High Grade

Steam and Power Pumps.

Single Cylinder Independent Air Pumps and Jet Condensers

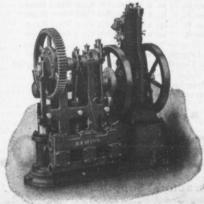
Write for Latest Catalogue



Steam Pumps of every Description

Size and Styles for Every Known Duty

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



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

OWET &

y levels as well power.

Bros.,

he City.

eams. by Sepone-half ted that

ided to

ol'egiate ern Rail-

on Fort shops. irchased build a it Com-

xamina

Gurney

irchased

city, on

h tect, is

Pumps

ription

nd Styles

Every

n Duty

deal

ONTREAL

this week taking tenders on erection of frame residence on stone foundation British frame residence on stone foundation on Ethelbert street for J. Gowler.—It is believed that the new Union Depot of lding a e North nechanbelieved that the new Union Depot of the Canadian Northern & Grand Trunk Pacific Railways will be built on the Broadway site. The plans have already been prepared for final approval.—V. W. Horwood, architect, is taking tenders for hot water heating, plumbing, galvanized from work, electric light wiring and paint-ing and planing for a residence to be ared. a final'y e built 150,000 while nd the iron work, electric light wiring and painting and glazing for a residence to be built on Balmoral street for J. J. Wallace.

—J. H. Cadham, architect, desires tenders by September 1st for erection of brick and stone warehouse for the Frost & Wood Co.—C. J. Brown, City Clerk, will receive tenders up to September 1st for supply of 1,000,000 to 2,000,000 feet of lumber. to the for the r.—The of the es of a Yale inspec

TORONTO, ONT.—John S. Fielding, C. E., has extended the time for tenders for water wheels, generators and transmission line for the Delhi Light & Power Co. to September 3rd.—J. Berridge & Co. wants tenders for roofing and galvanized iron work of ten Louses, corner of Beverley and St. Patrick streets.—The Board of Control are asking for tenders up to September 18.h for construction of steel foot bridge and stairways across the railway tracks at Wallace avenue, also up to September to Bloor street, from Lansdowne avenue to Dundas streets.—Chadwick & Beckett, architects, have just taken tenders for erection of a building on Booth avenue

for the Dunlop Rubber Co.—Themas Ogilvie & Sons have purchased the property at the south-east corner of Bay and We.lington streets and will build a fine warehouse thereon.—It is reported that the Bell Telephone Co. will build a new exchange in the northwest part of the city.—Building permits have been issued as follows: Wm. McMillan, 2 stores and dwellings, Queen street, near Elm Grove avenue, cost \$\$,000; john McLeod, 2½-story brick dwellings, Roxborough street west, near Yonge, cost \$9,500; C. Ayre, 2-story and attic brick dwelling, coiner Queen street and Moiley avenue, cost \$6,000; C. Coulter, four 2-story brick dwellings, Rathna'ly avenue, cost \$6,000; C. Coulter, four 2-story brick dwellings, Beatrice street, cost \$9,000; James Taylor, 2-story and attic brick dwel ing, 101 Euclid avenue, cost \$5,500; Andrew McLean, 1-story brick store, B'oor street near Dovercourt road, cost \$2,7000; John Winnett, 2-story brick work shop, McFarlane Lane, near Queen street, cost \$2,000; Mr. Dale, 2-story detached brick dwelling, Montrose avenue, near College street, cott \$4,500; A. J. Peters, 1-story brick addition to bakery, 104 and 106 Augusta avenue, cost \$2,000; Wm. Davies Co., 3-story concrete and brick stall', corner Nu I and Vine streets, cost \$20,000; Austrian Jewish Congregation, 1-story brick synargogue, Teraulay street, near Agnes, cost \$18,000; Sisters of \$1. Joseph, 3-story brick Infarts Home, Sackvil'e stiect, near King, cost \$4,600; the Toronto Platter Co., 2-storey wood and iron factory, Brock avenue, near Florence street, cost

\$2,000; Frank Watts, 2-storey and attic brick dwelling, Macdonnell avenue, near Queen street, cost \$3,500; George Puddy, 2-story brick dwelling, Gerrard street, near Pembroke, cost \$5,000. — The Temiskaming & Northern Oatario Railway Commission are about to ask for tenders for constructing three new branch lines, one from Cobalt through the Gillies limit, five miles; another from Englehart to foot of Long Lake, seven miles; another from Haileybury to Lake Temiskaming. —Tenders will be received by the Board of Control up to September 11th for following trades for erection of freight shed on the harbor square: Plng; concrete piers; carpenter, etc.; paminer and glazier; sl ter, etc.; plumbing. Plns at the office of the City Arch tect.

#### CONTRACTS AWARDED.

PORT ARTHUR, ONT. — Heating Ward 3 school: Marshall & Sime, contractors.

EDMONTON, ALTA.—Residence for J. S. Smith<sup>4</sup>: J. J. McKay, contractor, \$4,500.

STRATHCONA, ALTA.-New Pres-



# JOHN GALT CONSULTING ENGINEER and EXPERT

WATERWORKS, SEWERACE AND ELECTRIC LIGHT

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

25 Jordan Street TORONTO

JOHN S. FIELDING

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

Mem. Rugineer'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.

Citizen Building - OTTAWA

The Electric Blue Print Co.

BLUE PRINTS
POSITIVE BLUE PRINTS
BLACK PRINTS
MULTI-COLOR PRINTS

Best Finished Work on the Market at the Lowest Prices.

Men for Contractors

Phone WINNIPEG, MAN, main st. Men of all descriptions furnished on short notice for railroad and building contracts. Special Attention Given to Furnishing Ganga

#### M BITULITHIC PAVEMENT RECORD M

Laid 1901 — 16,400 Sq. Yds.

Under Contract June 1, 1906, 1,5,8734 Sq. Yds.

Bitulithic Pavement Contracted for in 3 years: 4,95,859 Sq. Yds.

Increase in 5 years, 9,500 for onto the Bitulithic Pavements

Bitulithic Pavements

WARREN BITUMINOUS PAVING COMPANY, LIMITED

## **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., Moniteal

## 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

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 Wagens, Steam and Gasoline Engines. Send for prices.

E. E. BRYANS & CO. Climax Road Machine Co., Hamilton, Ont.

byterian church: Thomas Richard, contractor, \$22,625.

SPRINGHILL, N.S.-Erection of town hall: McLellan Bros., successful tender-ers, \$10,990.

REGINA, SASK.—Electric light ma-chinery: Canadian Westinghouse Co., Hamilton, successful tenderers.

VICTORIA, B.C.—Residence on Rock-land avenue for S. J. Pitts: S. Maclure, architect; George Calder, contractor.

PORT COLBORNE, ONT. — Grain elevator for Dominion Government: P. Lyall & Sons, Montreal, contractors.

CARMAN, MAN .- Methodist church : Elliott & Gardhouse, contractors, cost \$25,000, W. Fingland, Winnipeg, archi-

MATTAWA, ONT.—Superstructure of steel bridge at confluence of Mattawa and Ottawa rivers: Dickson Bros., Campbellford, contractors.

PETERBORO, ONT. — Additio works of Canadian General Electric Addition to Dominion Engineering & ConstructionCo., Montreal, contractors.

ST. STEPHEN, N. B.—Erection of pumping station for water supply: E. M. Nesbitt and E. B. Hanson, successful tenderers, cost \$9,785.

MONTREAL, QUE.—Academy for the Sisters of the Congregation of Notre Dame on Fulum street: Martineau & Prenoveau, contractors. Marchand & Haskell, architects.

SASKATOON, SASK.—The contract for construction of waterworks system has been let to Mr. Fry, of Moose Jaw, at \$73,000. The Canada Foundry Co, Toronto, will supply the cast iron pipe at

#### JOHN S. FIELDING

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

Telephone: Main 5127.

Shirley Davidson, B. A. Sc.

**Gontracting and Gonsulting Engineer** Bank of Ottawa Bullding, 224 St. James Street, 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

## 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.



#### TRACTION and PORTABLE ENGINES

(Simple and Compound)

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

Powers Quality the Best Correspondence Solicited All Powers

Sawyer & Massey Co., Ltd.

Road Machinery Department

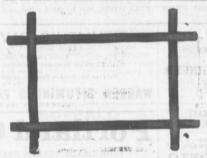
#### JOHNSON CORRUGATED STEEL BAR



REINFORCED CONCRETE

#### THE CORRUCATED STEEL BAR CO. OF CANADA, LIM!TED

Office: Coristine Building, MONTREAL



## CONCRETE BONDING

OF

#### CRIMPED STFEL WIRE

THE STRONGEST, BEST AND CHEAPEST

If interested write for pamph-let and full particulars

THE

#### GREENING CO.

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' o" LENGTHS 3 TO 48 INCHES DIAM.



MADE IN SEVERAL WEIGHTS PROVED FROM 100 TO 700 LBS.

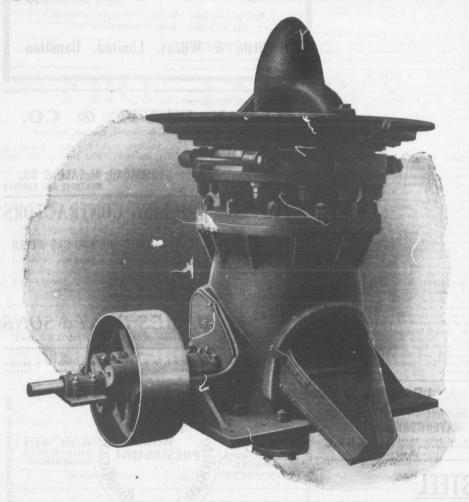
AND SPECIAL GASTINGS

"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., Robt. Maclaren & Co., Glangow. QUEBEG AND MONTREAL

# GATES "K" BREAKER



Gates Style "K" Gyratory Breaker has greater capacity and consumes less power per ton of rock broken than any other breaker ever built. See Bulletin 1916.

## CONTRACTORS' PLANT

"Ingersoll" Air Compressors and Rock Drills; "Lidgerwood" Hoisting Engines and Ballast Ulnoaders; "Gates" Rock Breakers; Allis-Chalmers Steam Shovels; "Bullock" Electric Motors and Generators.

# ALLIS-CHALMERS-BULLOCK

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

ed vro

1906

GINES

Ltd.
Canada

BAR

MITED

NDING

APEST pamphars . .

C CO.

ors

y gland.

ONTREAL

WEIGHTS

700 LBS.

CANADA

Mur

Ma

Spe

Flan

Br Ну

approximately \$20,000.—Erection of new school in Ward two and enlargement of school in Ward three: A. W. Cassidy, contractor.

VANCOUVER, B. C. — Three-story brick and concrete building, corner of Burrard and Pender streets, for Mrs. E. Charleson: J. J. Honeyman, architect; B. Davidson, contractor.

WELLAND, ONT.—Buildings for the Ontario Iron & Steel Co.: William Irvin & Sons Co., of Hamilton, and the Welland Construction Co., contractors, cost about

PORTAGE LA PRAIRIE, MAN.—
Hotel on Main street: A. McLarty, contractor; 80 x 40 feet, three stories, brick veneer, stone foundation.— Distributing warehouse for Imperial Oil Co.: D. Winton, contractor.

WOODSTOCK, ONT .- New knitting WOODSTOCK, ON1.—New knitting factory: Carpenter work, Fred Richardson; cement, stone and brick work, C. W. Crocker & Son; architect, Mr. McNichol; 108 x 50 feet, three stories, cement stone and brick, with gravel roof.

cement stone and brick, with gravel roof.

MEDICINE HAT, ALTA. — \$58,000
5 per cent, debentures have been sold to
Wood, Gundy & Co., Toronto, at \$59,396
and accrued interest. Other bidders
were: National Trust Company, 59,356;
Aemilius Jarvis & Company, 58,783.

BRANDON, MAN.—The tender of the
Northern Electrical & Manufacturing Co.,
has been accepted for supply of automatic
fire alarm system, at \$2,645.—The Gutta
Percha & Rubber Manufacturing Co.,
Toronto, will supply Paragon hose at 90
cents per foot.

WINNIPEG, MAN.—The City Council

WINNIPEG, MAN .- The City Council WINNIPEG, MAN.—The City Council has accepted the following tenders: Brass goods, Robert Mitchell Co.; fire hose, Canadian Rnbber Co. and Winnipeg Rubber Co.; three hook and ladder trucks, W. E. Seagrave, Walkerville, \$2,765. The Council have also decided to purchase a Decaire incinerator,—Erection of Imperial Bank building, corner Banatyne Ave. and Main street: Kelly Bros., Mitchell Co., contractors, cost about Mitchell Co., contractors, cost about \$150,000

#### A. LEOFRED Consulting Engineer WATERWORKS A SPECIALTY.

39 St. John Street QUEBEC Metropolitan Ins. Bldg. Phone 546.

## STEEL

## HIGHWAY BRIDGES

& DRESSER 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

Clyde Patent Wire Rope Works, Rutherglen, Glasgow, Scotland

WIRE ROPES for Capleways, Actual Roperty, etc., etc. for Cableways, Aerial Ropeways, Elevators,

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



### DRILLING CONTRACTORS

#### WATER, SALT, OIL AND GAS WELLS

to any depth from 100 to 3000 leet. 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.

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

TELEPHONE MAIN 6730



VESSEL HULLS. PAVING BLOCKS, FOUNDATIONS.

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 Sonds and Debentures Bought Highest Prices Paid.

G. A. STIMSON & CO.

Please mention this paper when corresponding with advertisers

#### Ve

#### 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. x 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



#### CALVANIZED 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, Secretary. ALEX. L. GARTSHORE, Treasurer.

## THE CARTSHORE-THOMSON PIPE & FOUNDRY CO.

Manufacturers of

Instructions for

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

\*\*\*\*\*\*\*\*\*\*\*

IGAD OFFICE CANADA LIFE BUILDING,

## **CAST IRON PIPE**

3 inches to 60 inches diameter.

MONTREAL

for Water, Gas, Culvert and Sewer

THOS J. DRUMMOND.
President

Montreal Pipe Foundry Co., Limited

Special
Castings
Flange Pipe
Branches
Hydrants
Valves

CAST IRON PIPE

CAST IRON PIPE

Works
Supplies

Combined daily capacity:
175 Tons Pipes and Castings.

Au

Pri

Red N

Buff 1

Hard

Mouse Terra \$2.0 Roofs

Oram
te
Enan
Porot
D
Vitril
SemiComr
Sewe
Stone

Brow Buff 1

### The Canadian Bridge Co., Limited WALKERVILLE, ONT.

MANUFACTURERS OF

AND HIGHWAY BRIDGES

Lecometive 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-stridge Building, Trestle Work, Wharves, Dams, Diving Submarine Work and General Contracting.

WM. HOOD & SON MONTREAL 10 Richmond Sq.

#### 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. Francois Xavier St. Montreal

Established 1898 The Hanover Portland Cement Co., L'td.

Hanover, Ontario
Manufacturers of the Celebrated

SAUGEEN" Brand PORTLAND CEMENT

UULLN
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

If 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 \$1 PER YEAR Write for free sample copy to

The G. H. Mortimer Publishing Go.

LIMITEI Toronto Montreal Winnipeg Vancouver



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

BUILDING MOVER AND WRECKER General Contracting.

JNO. E. RUSSELL, - Toronto Residence, 1010 Queen St. R.-Phone M. 4616 Office and ya d 307 Logsu 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.

## 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.,

Montreal.

## PRESSED BRICK, Per M.

TORONTO PRESSED SRICK AND TERRA	F.O.B. Milton, Ont
Red No. 1	\$13 00
** 2	11 50
Buff No. 1	10 00
Buff No. 1	17.00
11 2	13.00
Brown	15 00
Roman Red	20 00
" Buff	35 00
" Brown	4 CO
	8 0
Hard Building	8 00
" Sewer	
" Back ng	7 00
Monay and Ornamental from \$2.00 to	\$3 co her 100
Terra Cotta String Courses and Frieze,	irem soc. t
\$2.00 per ft. run.	
Roofing Tiles, \$20.00 per 1,000.	

DON VALLEY BRICK WORKS.	1
Nos. 1 and 2, Red Pressed Bricks.  Nos. 1 and Bull Pressed Brick  Nos. 1 and Bull Pressed Brick  Nos. 1 and Bull Pressed Brick  Ponedian Red, Bull and Brown Pressed  Oramental Bricks of all kinds for Mantel Pressed Bricks  Forous Terra Cotta Fireproofing of all Descriptions.  Vitrified Street-Paving Bricks.  Semi-Vitrified Broundation Bricks  Common Stock Red and Grey Bricks.	
Common Stock Red and Grey Bricks	0

### BRAMSVILLE BRICK AND TERRA COTTA CO.

	Beamsville.
Red Peerless Facing	\$16 00
" No.1	14 00
" ho	12 00
" No. 3	10 00
Brown Peerless Facing	20 00
" No. 1	18 00
Buff Peerless	20.00
" No. I	18 01
14 No. 8	15 00
Moulded and Ornamental Brick from	Sa to fip per C
Roman Red (Size 12 x 4 x 1 % in.).	30 00
" Buff "	30 00
" Brown " "	5 10
Vitrified Paving Brick No. 1	18 00
William Paving Brick No. 2	15 00
	8 00
Sewer	94.00
Roofing Tile	41.00

I.UMBER		
CAR OR CARGO LOTS, F.O.B.	TORON	TO.
The state of the s		M. Ft.
1 inch No. 1 Pine cuts and better		0 \$51.00
11/2 to 2 inch No. 1 cuts and better	53.00	55.00
1 inch No. 3. Pine cuts and better	38 00	
1 % to 2 inch No. 3 cuts and better	40.00	42,00
1 inch Pine Dressing and better	4	
shorts	24.00	26.00
T T A 6 and 8 Common	27,00	21,00
1 x 10 and 12 Common	21 00	24.00
rinch mill run sidings	21,00	23,00
1 inch mil! /un	21,00	22,00
1 x 10 and 12 mill culls	17.00	18.00
1 inch dead cull sidings	12.00	11.00
1 % nch Flooring	27 00	28 00
1% nch Flooring Hemlock, 1 x 4 to 8 inch	16 00	7 00
2 X 4 to 8 inch. 12 to 16 feet	17.00	15.00
2 X 4 to 10 iuch, 18 feet	18 03	19.00
1% inch No. 14 R. Pine Lath	4.50	5.00
1% inch No. 2 1 ft. Lath	3.40	3.50
11/2 inch No. 1 4 ft. Hemlock		
Lath		3.50
XXXX Pine Shingles	2.90	3.00
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

CKER

ater

0.,

HARDWOODS-PER M. FEET	CAR LOT	B.
Ash, white, 1sts and 2nds, 1 to		
2 inch	\$33 oo to	\$35.00
Ash, black, 1sts and 2nds, 1 to		
11/4 inch	28.00	30,00
Birch, M. R. 1 inch	22.00	24 00
" 1% inch to 2	23.00	25.00
Basswood, Common and better,		
1 to 11/4 inch	2 .00	24 00
Basswood, 11/2 to 2 inch	24.00	26.00
Elm, soft, mill run, 1 to 11/2 in .	23.00	24.00
Elm, rock, mill run. 1 to 11/2 in.	23.00	25.00
Maple, common and better, 1 to		
1%,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		
134 inch	42 00	44.00
Only overstand rate and ands	80 00	80.00

#### Western Debentures

J. W. NAY, - New Leader Slock Regins, Sask. P.O. Drawer. 771. Codes: Liebers, A.B.C., Fourth Edition.

## Prices of Building Material Lafarge (Non-staining) Cement

PORTLAND CEMENT DRAIN PIPES CULVERT PIPES SEWER BRICK

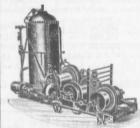
FIRE BRICKS FIRE CLAY

SEWER BOTTOMS

#### F. HYDE & CO.,

King. Queen and Wellington Sts.

MONTREAL



## M. BEATTY & SONS, Limited

#### DREDGES, DITCHERS, DERRICKS, STEAM SHOVELS.

Submarine Rock Drilling Machinery, Marine Rock Drilling macinery, Mine Holste, Holsting Engines Centrifugal Pumps for Water and Sand Ie Derricks, Clam Shell Buckets, Steel Skips, Coal and Concrete Tubs, and other Contractors' Machinery.

Office 75 Cottingham Street Yords 75-81

DISTRIBUTORS

Long Distance Phone North 1787.



The Recognized Standard for Sidewalks

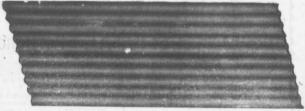
A strictly High-Grade Portland Cement. Pronounced by prominent contractors to be the most Uniform Portland Cement on the market.

One Quality Only.

Capacity 5,000 bbls. per day.

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

## CORRUGATED IR O



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 p-inted and galvanized. Made in 11, 21 or 2½" 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, Oue. Ottawa, Ont. Toronto. Ont. London, Ont. Winnipeg, Man. Vancouver, B. C. 321-3 Claig St. W. 423 Sussex St. 11 Colborne St. 69 Dundas St. 50 Lentard St. 615 Fender St. Write your nearest of ice. Head office and Works, OSHAWA, ONT.
"Keeping Everlastingly at it Brings Success."

All

D

WAT

All

sai

pai

THE GREY AND BRUCE PORTLAND CEMENT COMPANY

of Shallow Lake, Limited.

Manufacturers of

#### BRAND OF PORTLAND CEMENT

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.



# - VITRIFIED SALT CLAZED -

CERMAN ALSEN, at higher prices than competitors has again this year been awarded the most important contracts of the

Price Lists and Discounts on Application

MEXICO CITY

X DAM

(shipping instructions so far 60,000 bbls.

XOCHIMILCO WATER WKS., MEX. approximate amount

Also enormous quantities for the PACIFIC COAST,

There is always a certain trade who will pay for the best.

We also make American Alsen, the highest grade of

CEMENT

45 BROADWAY, NEW YORK CITY

CEMENT



#### The Toronto Pressed Steel Go., Limited

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

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.

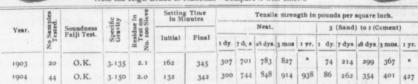
"The Cement of Quality"

The Highest



## Portland Cement

The City Engineer of Toronto for 1903-4 Note the High Grade of National. Compare it with others.



\* 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

, 1906 ISEA.

MITED

ZED -

ES

ing:

1906 bbls.

bbls.

bbls.

127

ARIO

#### CEO. 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. E.

Offices: BERLIN and GALT

### FARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY CORPORATIONS Will do well to consider our wand prices before letting contra

The Silica Barutic Stone Company of Ontario, Limited.

VALTER MILLS

#### THE PHOENIX BRIDGE & IRON WORKS, LIMITED

MONTREAL

#### CENERAL STEEL CONTRACTORS

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

## Dominion Bridge

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 CEMENT



T. M. Morgan

Office and Works: Longue Point, MONTREAL, QUE.

# The Locomotive and Machine Company

**NEW YORK OFFICE:** 111 BROADWAY

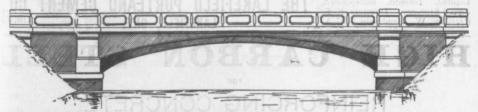
## Structural Steel

LONG POINT MONTREAL

**NEW AND SECOND HAND CONTRACTORS' LOCOMOTIVES** 

Principal Office: Imperial Bank Building, MONTREAL

## REINFORCED CONCRETE BR



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

#### NEW COMPANIES.

Inter-Ocean Real Estate Company, Winnipeg, incorporated, capital \$100,000. Promoters, G. S. Wyman, A. B. Rowe, T.D. Thompson and others.

Tenby and District Milling Company, Limited, Tenby, Man., incorporated, capital \$20,000. Promoters, T. J. Hare, R. Robbins, T. R. Huxman and others.

BritishColumbiaTimbers, Limited, Montreal, Que., incorporated, capital \$100,000. Promoters, A. L. MacLaurin, G. A. Forbes, R. H. Fulton and others.

St. Lawrence Canadian Navigation Company, Limited, Montreal, incorporated, capital \$1,000,000. Promoters, W. Paul, Sorel; L. Lacouture, J. Jean, of Montreal, and others.

Grand Trunk Pacific Town & Development Company, Limited, Montreal, incorporated, capital \$5,000,000. Promoters, C. M. Hays, F. W. Morse, W. Wainwright, W. H. Biggar and D. Tate.

Lamb-Watson Lumber Company-Limited, Winnipeg, incorporated, capital \$850,000. Promoters, C. R. Lamb, Minneapolis; O. Lachmund, Arrowhead, B.C.; G. D. Minty, G. C. McTavish and H. W. Hollis.

Coleraine Asbestos & Exploratian Company, Limited, Coleraine, Que. incorporated, capital \$50,000. Promoters, W. J. Henderson, A. W. G. Macalister, J. Rockwell, J. Jenkins and C.T. Jette, all of Montreal.

Multi Scale Company, Limited, Guelph, Ont., incorporated, capital \$40,000. Promoters, H. Wright, G. Henderson, D. Anderson, D. Bailey, W. Wright and G. Taylor.

Saunderson Manufacturing Company, Limited, Sydney, N. S., incorporated, capital \$45,000, to manufacture and deal in roofing material, tar paper, coal lar, asphalt etc. Promoters, A. E. Collas, A. A. Saunderson, A. L. Melvin, R. E. Harris and H. B. Stairs, all of Halifax.

Reardon Rifle Sight Company, Limited, Toronto, incorporated, capital \$100,000. Directors, R. E. Reardon, W. Henderson, F. A. Fleming, R. O. Montgomery and J. P. Murray.

Ivor Match Machine Company, Limited, Toronto, incorporated, capital \$40,000. Directors, J. R. L. Starr, T. E. Wilson and W. H. Phelan.

Boston Mines Limited, Toronto, incorporated, capital \$50,000. Directors, F. Rielly, G. Verney, J. Ross, E. E. Wallace and A. R. Clute.

Perth Bolt & Forging Company, Limited, Perth, Ont., incorporated, capital \$50,000. Directors, J. A. Stewart, A. E. Hanna, D. W. Dwyre, W. B. Hart and others.

Model Paint Company, Limited, Toronto, incorporated, capital \$40,- ooo. Directors, H. Isaacs, G. H. Fairles, J. Warring, J. Hill, and G. Stretton.

Niagara District Telephone Company, Limited, Jordan, Ont., incorporated, capital \$10,000. Directors C. Wismer, A. Moyer, A. Culp, E. Wener and A. Troup.

Hamilton Mirror Plate Company, Limited, Hamilton, incorporated, capital \$40,000. Directors, Z. Gallagher, E. C. Berkinshaw and H. M. English, all of Toronto.

Monarch Motor Company, Limited, Montreal, incorporated, capital \$250,000. Promoters, L.D. Robertson, J. S. McKenzie, J.T. Warrington and others.

Steel Fence Post Company of

## SAMSON CEMENT

MANUFACTURED BY

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

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 For William and Port Arthur.

THE LAKEFIELD PORTLAND CEMENT CO.,
LAKEFIELD, ONT.

## HIGH CARBON STEEL

FOR

### REINFORCING CONCRETE

TWISTED SQUARES

ELASTIC LIMIT 50,000 LBS. OR HIGHER



CUT TO REQUIRED LENGTHS

BUFFALO STEEL CO., TONAWANDA, NEW YORK

Toron

H. B Brink Ma Limit ed, ca K. Ho G. W

pany, incorr rector Purvi and V Cor Limit capita Wood

Son ai Doi Limit capita Horsi Londa Ber Limit capita Yates

Beloit Bigga The Limit ooo, suppl nected W. W. John, N. A. other Rei Limit ooo. J. G. B.; J. B., a.

pany, ated, J. S. McNi St. pany, corpc moter leur, and c

Bri



Patent Secause m 1906

G. H. ind G.

Comincor-

rectors ılp, E.

npany prated,

w and

Limit-

capita lobert-

arring-

any of

IMITED

ATREAL

Cement

an Socie-

at For

CO. LIMITED Toronto, Limited, Toronto, incorporated, capital \$40,000. Directors, H. Buckel, T. Patterson, C. A. Brink and others

Maple City Oil & Gas Company, Limited, Chatham, Ont., incorporated, capital \$40,000. Directors, T. K. Holmes, J. Innis, A.D. Chaplin, G. W. Cowan and others.

North Bay Brick and Tile Company, Limited, North Bay Ont., incorporated, capital \$50,000. Directors, T. A. Drummond, T. R. Purvis, H. E. Brasier, J.P. Holmes and W. Jackson, all of Toronto.

Commercial Brick Company, Limited, Toronto, incorporated, capital \$50,000. Directors, J. H. Woods, M. J. Evans, J.L. Richardson and others.

Dominion Carriage Company, Limited, Toronto, incorporated, capital \$250,000. Directors, H. Horsman, Toronto; A. G. Howse, London, and J.D. Dort, Flint, Mich.

Berlin Machine Works of Canada, Limited, Hamilton, incorporated, capital \$500,000. Directors, P. B. Yates, L.D. Forbes, F. L. Lane, Beloit, Wis.; J. Patterson and S.D. Biggar, Hamilton.

The A. B. McLean Company, Limited, incorporated, capital \$20,ooo, to carry on the oil and mill supply business and everything connected therewith. Promoters, F. W. Wisdom and C. H. McLean, St. John, N.B.; V. T. Williams and C. N. Ayres, Worcester, Mass., and others.

Renous Bridge Lumber Company, Limited, incorporated, capital \$50,000. Promoters, P. J. Young and J. G. Murdock, Renous Bridge, N. B.; J. B. Murdock, Chatham, N. B., and others.

British America Elevator Company, Limited, Winnipeg, incorporated, capital \$500,000. Promoters, ated, capital \$500,000. S. Lovell, R. Gowans, E. W.

McNeill and others, all of Toronto.
St. Johns Land & Building Company, Limited, St. Johns, Que., incorporated, capital \$20,000. Promoters, J. E. Molleur, C. A. Molleur, A. T. Dale, all of St. Johns, and others. and othersr

#### Lake Cement

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

# UK & MUNIYRE, 67 to 91 Pearl Street, Toronto, Ont,

#### STRUCTURAL IRON WORKS

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

SOLE ACENTS FOR DUPLEX HANGERS

WRITE FOR ESTIMATES.

#### LIGHTNESS, STRENGTH AND ECONOMY



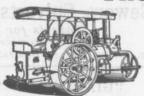
ing Tools.

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

Long Distance Phones 686 and 684 W. E. SEAGRAVE,

"WATEROUS"

#### ROAD MACHINERY AND FIRE APPARATUS



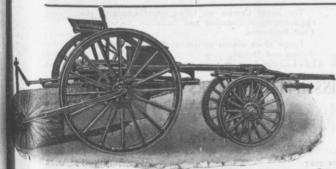
FIRE ENGINES in five sizes, with a full line of firefighting goods

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

#### BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

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

HUGH 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.

od as "The Studebaker."
core and mechanical preof working parts, and has
Geo. Heaman, Mnfr., London, Ont,

Patent Improved Street Sweeping Machine to the Standard Can be graded of Perfection we also make an .

ORK

#### WILLIS CHIPMAN

Hon. Grad. McGill University,
M. Can. Soc. C.E. M. Am. Soc. C.E.
Mem Am. W. Assin.
WATERWORKS, SEWERAGE WORKS,
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 EMGINEER.

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

88-63 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. W. Monds, B.A.Sc.

CONNOR, CLARKE & MONDS
CONSULTING ENGINEERS
Hydraulic, Municipal and Railway Work: Long
Listance Power Transmission; Machinety;
Pumps; Complete Industrial Plants; 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'Argenteul, P.Q.

Address all commu

JOS. BRUNET - COTE DES MEIGES, MONTREAL

### **APPLIANCES**

Specialty Corporations, Municipalities, Systems Residences. Sprinkler



Wood and Steel Tanks. Steel Substructures Windmills, Pumps, Gaseline Engines, Hydraulic Engines, Etc.

ONTARIO WIND ENGINE AND PUMP CO., LTD. TORONTO MONTREAL

#### John H. Jackson

CIVIL ENGINEER

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

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

#### 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

### **300**

Employed in cement walks, kerb and gutter, Paving and Building Construction. We can do work QUICKER, CHEAPER, BETTER, than small contractors.

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

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

#### ASPHALT LOCK PAVING

Main Office : WINDSOR, ONT.

Works : WALKERVILLE, ONT.

MANUFACTURERS OF



FOR

## Sewers, Culverts and Water Pipes

Inverts for Brick Sewers

WRITE FOP DISCOUNTS

ST. JOHNS. P.Q.

HAMILTON, ONT.

TORONTO, 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

Aug

Wat

Br

Stor Stec Fire

Con

CC

Drille We

Sever for Mi geolog

VG

IETV ONT

TNC

les

ited

MAN

GINA

FOUNDATION OF ROADS is the subject now under most excess in westlead too by Engineers throughout the World point foundations and good distances are found everywhere—result, short lived roads.
THERE IS NOT ONE FOUNDATION ON THE MARKET TODAY THAT PROPERLY SUPPORTS THE SUPPORT TODAY THAT PROPERLY SUPPORTS THE SUPPORT OF SUPPORTS AND ADMINISTRATION OF THE SUPPORT OF SUPPORTS AND ADMINISTRATION OF THE SUPPORTS OF TH

#### Brian D. McConnell CIVIL ENGINEER

Water Works, Water Powers Sewerage Systems, Railways

Phone Main 1473 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. 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.

345 St. James St., Montreal Importers' of

SEWER PIPES.

CULVERT PIPES, ETC. VENT LININGS, FLUE COVERS,

> FIRE BRICKS, FIRE CLAY, WHITING.

PORTLAND CEMENTS. HIGH GRADE ENGLISH

" GERMAN " BELGIAN

PLASTER OF PARIS BORAX,

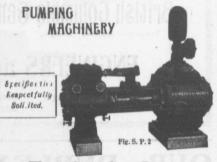
CHINA CLAY.



## WATERWORKS **SUPPLIES**

HYDRANTS - VALVES PIPE FITTINGS STEAM PUMPS





The Canadian Fairbanks Co., Limited MONTREAL TORONTO WINNIPES VANCOUVER

## "RAVEN" PORTLAND CEMENT

- Unexcelled for Strength and Uniformity -

## RAVEN LAKE PORTLAND CEMENT CO

Long Distance Telephone: RAVEN LAKE, ONT. Telegraph and Post Office Address: VICTORIA ROAD, ONT

Ont., have assigned to William Foster.

The plumbing establishment of

Norris & Lockhart, plumbers, Galt, the W. Handford Co., of Winnipeg, nt., have assigned to William Man., was destroyed by fire oster.

Handford Co., of Winnipeg, Man., was destroyed by fire recently. Practically nothing was saved.

#### SIMPSON & LEWIS Civil Engineers

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



Advertisements

in the

CONTRACT

RECORD

bring results

#### The Hand Power Continuous Concrete Mixer



Specialty adapted for Sidewalk and Street Work, and all classes of concrete work where a thorough mixture with but small capacity is required.

Other Mixers and Concrete Mixing Machinery.

Send for Catalogues.

E. F. DARTNELL Montreal.

If Its

WATERWORKS PUMPING **ENGINES** 

FIRE **HYDRANTS** 

VALVES

for

Steam, Water, Gas and Radiation

Get Catalog and Prices of

THE KERR ENGINE CO'Y

Distr

G(

The British Golumbia General Contract Company, Limited Fairfield Building, VANGOUVER, B. G.

## **ENGINEERS and CONTRACTORS**

Municipal Works and Buildings Bridges

Concrete Construction Harbor Works

Dredging and Reclamation

## OUR DUPLEX CATCH BASIN



has been recommended by eminent Engineers as the

MOST CONVENIENT FOR CUTTER WORK

Can be adjusted to different heights and is easily placed.

We also Make

Manhole Covers and Frames Hydrants and General Castings

The R. McDOUGALL COMPANY, Limited,



CANADA FOUNDRY COMPANYLIMITED

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.

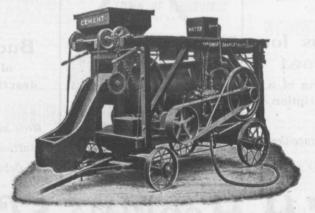
WINNIPEG,

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

WIS

ints ridges TAWA.

S

ES

rs

S Gas

of CO'Y ntario

lited

tion

**3 WORK** 

ited.

## Contractors'

## TUBS and BUCKETS

Suitable for every purpose

### CONTRACTORS' CLAM SHELL GRAB BUCKET

For handling loose material such as sand, gravel, coke, coal, broken stone, etc., and for light excavating purposes, our Clam Shell Buckets are most suitable.



#### ORANGE PEEL GRAB

This grab is of superior design and construction throughout, and is particularly adapted for excavating and is in common use by contractors and on dredges.



## "HOPKINS" CONCRETE BUCKET

This particular style of bucket is in high favor with contractors for all classes of concrete work.

# Tubs for Coal

handling of all description

All Capacities

Immediate Shipment



We manufacture this style bucket in any size or shape to meet your special requirements.

#### Buckets of all descriptions

Write us for full
particulars and
Catalogue

F.H. Hopkins & Co.

Successors to the Late James Cooper
MONTREAL

Dunn Bros., Winnipeg, Agents
Gorman & Clancy, Alberta Agents.