

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. 14

AUGUST 5, 1903

No. 25.

#### THE CANADIAN CONTRACT RECORD.

PUBLISHED EVERY WEDNESDAY

As an Intermediate Edition of the Canadian Archi ect and Builder.

Subscription price of the Canadian Architect and (including " Canadian Contract Builder" Record") \$2 per annum, payable in advance.

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

CONFEDERATION LIFE BUILDING, TORONTO Telephone 2362.

Branch Offices:
Imperial Building, Montreal,
22 Great St. Helen's, London, E. C.

Telephone Main 2299.
Advertising Rates on application.

Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publishers of any irregularity in delivery of paper.

#### Debantures for Sale.

Scaled tenders will be received by the under-signed up to 8 o'clock p. m. on AUGUST 1971, 1995, for the purchase of \$61,000 Debentures of the Village of Elmin, bearing four per cent, interest, payable in twenty annual instalments. The highest or any tender not necessarily arcepted.

J. H. RUPPEL, Clerk.

## NOTICE TO ENCINE BUILDERS.

Sealed tenders, addressed to James Dixon, Rsq., chairman Water Commissioners. Windsor, Ont., and marked. "Te commissioners windsor, Ont., and marked "Te with undersigned up to 12 o'clock, noon, on Widdness Harris DAY OF AUGUST, 1903, for the building and installing of one Horizontal Cross Compound High Duty Crank and Fly-Wheel Condensing Pumping Engine having a capacity of 5 millions inspering for 18 millions and the season of the s

The Water Commissioners, W. A. HANRAHAN, Sec'y, Windsor, Ontario, July 23, 1903.

#### **TENDERS**

will be received by the undersigned until 4 o'clock P, M., AUGUST 14TH, 1903, for Heating by Steam the County and City Buildings known as Harrison Hall, in the City of Chatham, Kent County, Ontario, Persons tendering must submit plans and specifications. Information required will be given by the County Clerk. The lowest or any tender not necessarily accepted.

J. GOSNELL, Chatham, August 1st, 1903. County Clerk.

## Glen Road Bridge, ROSEDALE

Tenders will be received by the undersigned up to noon of SATURDAY, 15TH AUGUST, for the re-construction and repair of the Glen Road Pringle for the Municipality of the Township of Video

York.

Plans, specifications and forms of tender may be seen at the office of W. A. Clarke, Bay, Clerk be seen at the office of W. A. Clarke, Bay, Clerk Victoria street, Toronto, and also at the office of the undersigned.

A certified bank cheque to the amount of 5 per cent. of the tender shall accompany the tender. The lowest or any tender not necessarily accepted.

accepted.
Tenders shall be marked "Tender for the Glen
Road Bridge" and shall be forwarded to

ROSS & HOLGATE, Engineers, 80 St. Francois Xavier street, Montreal.

#### TENDERS

# Water Works Supplies

Scaled tenders, addressed to the Chairman of the Fire, Water and Light Committee, for the supply of lead pipe, brass goods, etc., will be received at the office of the undersigned up to the state of the control of the state of the control of the state of the control of the state of the stat

C. J. BROWN, City Clerk.
City Clerk's Office,
Winnipeg, July 30, 1903.

BUSINESS NOTES. William Oman & Son, contractors, Montreal, have dissolved.

M. Guilbault & Company have regispartnership as contractors tered Montreal.

J. A. Bouliot and Eugene Gervais, doing business as painters and decorators, Quebec, have consented to assign.

Hinde & Brownsworth have established large brick making works at Anvil Island, B. C. They are adding a continuous

#### CONTRACTS OPEN.

ELMVALE, ONT .- John Middleton intends building.

LINDSAY, ONT.—Dougal Sinclair intends building a residence.

BOIESTOWN, N. B.—The Baptists have decided to build a new church.

TILBURY NORTH, ONT.-Victor Chauvin will probably build an hotel here. PORT SYDNEY, ONT.-L. Stam-worth, of Toronto, purposes building a residence here.

GRANBY, QUE.-J. Mullin has decided to build two stores on the site of his former dwelling.

VANKLEEK HILL, ONT .law will be submitted to provide \$3,275 for drainage of the town.

HULL, QUE. -The city engineer will submit an estimate of the cost of proposed street improvements.

ST. FRANCIS XAVIER, MAN. -N. Todd is this week taking tenders on a school house, 30x20 feet.

ST. THOMAS, ONT .- The question of increasing the water supply has been postponed until next year.

PORT COLBORNE, ONT .- A permanent wharf will be built on Steele's Reef for the Humberstone Club.

NIAGARA FALLS, ONT .- William Nichols, architect, has prepared plans for a new residence for Mrs. M. Kick.

LISTOWEL, ONT .- W. E. Binning, architect, has completed plans for new school at S. S. No. 6, Mornington.

HARROW, ONT. — Alex. Hackett wants tenders by 8th inst. for erection of office building in the fair grounds.

HINTONBURG, ONT. — If sufficient funds can be raised the Methodists will build an addition to their church.

FERNIE, B. C.—The Elk Lumber & Manufacturing Co., of this place, purpose building a saw mill at Hosmer.

pose building a saw mill at Hosmer.

NIAGARA FALLS, ONT. — The
Automatic Clerk Co., of Newark, N. J.,
will build a factory on Buttery street.

CHEMAINUS, B. C.—The Victoria
Lumber Co. contemplate making considerable improvements to their saw mill

ST. LOUIS, QUE. -- The taxpayers will vote on a by-law on August 11th authorizing the issue of \$250,000 debentures.

PEMBROKE, ONT .- James Grieve has purchased a site adjoining the Murray block on which he intends building.

LOUISE BRIDGE, MAN.—Bids received by G. T. Hoyes, Secretary School Board, up to August 10th for \$2,400 debentures.

PORT ARTHUR, ONT. — By-laws were carried last week providing funds for waterworks, sewers, extension of

street railway and purchase of street cars. The vote was in favor of a pumping system of waterworks.

ST. MARY'S, N. B.—C. H. Thomas, of Fredericton, intends building a large store.

ST. MARY'S, ONT.—Building operations will commence early in the fall on proposed cement works.

BROCKVILLE, ONT. — B. Dillon, architect, has been instructed to prepare plans for Carnegie library building, to cost about \$12,000.

RIVIERE DU LOUP, QUE. — The Intercolonial Railway want tenders by 20th inst. for construction of engine house at this place.

STOUFFVILLE, ONT.—Sylvester & Dougherty intend building an addition 25 x 40 feet.—Alterations will be made to the Sovereign Bank.

KING, ONT.—Tenders received by N. A. McDonald or A. D. Kary up to 10th inst. for painting and papering King street Methodist church.

COATICOOK, QUE. — Plans have been completed for new Eastern Townships Bank building here, one-storey, yellow brick, with stone trimmings.

GODERICH, ONT.—There is an appropriation of \$16,000 for repairing the superstructure of the south pier, and the work will likely be undertaken shortly.

SPRINGHILL, N. S.—Plans are being prepared by Chappell Bros. & Co., Ltd., for the new Y. M. C. A. building to be erected here, at cost of about \$10,000.

FAIRVIEW, B. C. — Tenders are being taken this week for building high school, from plans by C. R. Oldershaw, architect, 810 Hastings street, Vancouver.

FORT FRANCIS, ONT. — W. J. Keating intends building a fine residence. —The Wells Hardware Co. are preparing to build a large store and ware-

FREDERICTON, N. B.—The Fredericton Gas Co. have accepted the offer of the council to purchase the electric light plant. The council will install new boilers.

QUEBEC, QUE.—The Quebec Harbor Commission will petition the Dominion Government to grant immediate aid towards improving the harbor facilities here.

NEW WESTMINSTER, B. C.— Local and eastern capitalists propose establishing another tannery in this city. They will organize the Fraser River Tanning Co.

FOREST, ONT. — H. McFarlane, reeve, will receive tenders up to August 31st for construction of Ladell drain. Plans at office of Guide-Advocate newspaper, Watford.

PICTOU, N. S.—The ratepayers will be asked to declare whether they are in favor of purchasing the existing electric light plant at a cost of \$8,000 or of installing a new plant.

SYDNEY MINES, N. S.—The following have purchased building sites: B. Dawe, W. Milburn, W. B. Predes, J. F. Elliott, M. D. Keigan, Charles Maloney and J. J. McLeod.

OTTAWA EAST, ONT.—The Ottawa East Water Co. last week elected James Bannatyne as managing director and decided to begin work on the pump house and other buildings early this all.

GUELPH, ONT. — The Guelph Waterproof Clothing Co. will rebuild.—
R. L. Mackinnon will erect an office building on Douglas street, brick, stone foundation, 40 x 62 feet, hot water heating.

EDMONTON, N. W. T.—The town council have decided to build a dock on the river front.—The new jail on which work is about to be commenced is expected to cost about \$150,000.

IROQUOIS, ONT.—The American Shovel & Stamping Co., of Lorain, Obio, have written to the council asking what inducements would be offered for the establishmant of a branch factory here.

ST. CATHARINES, ONT. — Alex. Mine, Superintendent of Waterworks, wants tenders by the 10th inst. for furnishing material and construction of a concrete and timber spillway at the reservoirs near DeCew Falls.

MONCTON, N.B.—The Intercolonial Railway want tenders by 10th inst, for building for conductors, express rooms, etc.— The New Brunswick Petroleum Co. intend erecting a large refinery and purchasing four new drills.

MIDDLETON, N. S.—It is anticipated that the Middleton and Victoria Beach Railway, recently purchased by MacKenzie & Mann, will be completed to Victoria Beach next year, and a large wharf built at that place.

PETERBOROUGH, ONT.—A franchise for an electric railway has been granted to the Peterborough and Ashburnham Radial Electric Railway Co. The plans include extensions to Ashburnham, Lakefield, Young's Point and Chemong.

PORTAGE LA PRAIRIE, MAN.— The Bank of Commerce have decided not to construct their proposed new block until next year. — The plans prepared by Willis Chipman, C. E., Toronto, for waterworks system here are before the town council.

VICTORIA, B. C.—The city council have approved of the plans and agreement submitted by the Canadian Pacific Railway for a large tourist hotel to be built here.—F. M. Rattenbury, architect, has been instructed to prepare plans for an addition to the Jubilee Hospital.

OWEN SOUND, ONT. — Plans have been prepared for a new business block to be built by William Legate at corner of Poulett and Union streets. — The Beulah Mission of the Mennonite church have purchased a lot, corner Bay and Peel street, on which to build a two-storey brick hall and residence.

PARRY SOUND, ONT. — The council have decided to construct the substructure of new bridge by day labor. The tenders received for contract were Thomas Clearey, Ottawa, \$8,000; Evereidge & Bregg, \$5,750. — By-laws were carried on Monday last to provide \$10,000 for waterworks improvement and extensio and \$5,000 for a steel bridge.

COLLINGW OOD, ONT.--The county council have received an engineer's estimate of \$5,600 for a new bridge over the Severn river to replace Bennet's bridge.The Collingwood Furniture Co. are having plans prepared for their building; main building will be 150 x 60 feet, brick, three-storeys; boiler rooms will be brick, 30 x 56 feet, and dry kiln of brick, 20 x 80 feet.

STRATFORD, ONT, -The Stratfordin-the-Lake Co. are considering the building of cottages.—A. Hepburn, architect, has been instructed to prepare plans for improvements to Shakespeare school, to cost about \$1,000.—An electric light plant will be installed in the new Windsor Hotel, plans for which have been prepared by Orr & Russell, architects.—The Stratford Radial Railway Co. have applied for right of way, etc., to build an electric railway from Sebringville to Stratford.

ST. JOHN, N. B.—An architect will be engaged to prepare plans for a new engine house in Carleton, to cost about \$20,000.—The question of the proposed swing bridge was discussed at the last meeting of the Dry Dock Committee of the city council, but no definite action was taken.—The waterworks superintendent will submit a report on the cost of installing new heating apparatus in the waterworks office.—Tenders cloze 2 p. m. of 7th inst. for additions and improvements to general hospital. Plans at office of F. N. Brodie, 42 Princess street.

OTTAWA, ONT. — L. K. Jones, Secretary Department Railways and Canals, desires bids by 6th inst. for repairs to stone protection of the Soulanges canal slopes.—The Canada Atlantic Railway Co. are making arrangements to survey the proposed extension to Sault Ste. Marie. G. A. Mountain, chief engineer, will have charge of the survey—Tenders will shortly be invited for erection of fat stock building, to cost about \$10,000, for the Exhibition Association.

SYDNEY N. S.—Tenders are invited by A. W. Routledge up to August 8th for erection of Carnegie library building, of brick and stone, to cost about \$15,000, from plans by Chappell Bros. & Co.—The company formed some time ago to build summer hotels in Cape Breton are developing their scheme and hope to commence work on one or two hotels at an early date. The sites already decided upon are Mira, Sydney, Baddeck, Little Bras d'Or and Hyc.comagh. Mira will be connected with Sydney by an electric road.—The ratepayers will be asked to grant a further sum of \$75,000 for sewerage extension.

VANCO''VER, B. C.—C. W. Cook & Co. and others contemplate the construction of a new steamer.—William Blackmore & Sous, architects, are taking tenders up to 4 p. m. of 5th inst. for erection of distributing station for the British Columbia Electric Railway Co.—G. W. Grant, architect, has been commissioned to make plans for two additional storeys to the Mint building, corner Hastings and Carrall streets, for Mrs. Templeton.—The North Vancouver Ferry Co. are taking tenders on repairing ferry slip and erecting new bridge.

HAMILTON, ONT.—The Bank of Hamilton will add six-storeys to their head office building at corner of King and James streets.—It is reported that the Imperial Bank has bought the old Stimson Bank building and will erect a handsome structure.—A conference between the city council and Superintendent McGuigan, of the Grand Trunk Railway Co., was held last week to consider the question of a bridge at Ferry street. The railway is in favor of a steel bridge with steel approaches.—Building permits have been granted as

## TH HANOVER PORTLAND CEMENT CO. LIMITED

HANOVER, ONTARIO.

Manufacturers of the Celebrated

"SAUGEEN BRAND" of Portland Cement

Prices on Application.

s for il, to light

new

been

18 have

d an

to

will

bout

osed

last

e of

end-f in-

the

). m.

overeet.

nes and reilanintic s to

ault en-

for cost

SSO-

ited

for of 000,

) to

are to

ided

ittle

will

tric d to wer-

k &

tention tish

W ned

reys ings

ton. are

and : of heir ling

old

ct a

be-

ten

unk

to r of

as

ED

follows: Hon. J. M. Gibson, addition to building, 311 South Bay street, cost \$1,800; Ald. Allen, brick residence, Barton street, between Wellington street and Euclid avenue, cost \$1,600.

and Euclid avenue, cost \$1,600.

WINNIPEG, MAN.-Aby-law to raise \$60,000 for improvements to general hospital defeated last week.—It is understood that plans have been prepared for new immigration building in this city and the work may be undertaken this fall.—The council will construct the following works: Granolithic walks, south side Portage avenue, cost \$7,000; north side College avenue, Main street to Aikins street, cost \$1,025; east side Main street, Pritchard avenue to \$L. John's avenue, Charles to Power street, cost \$1,694; macadam pavements, Pritchard avenue, Main to Aikins street, cost \$4,270; south side Stella avenue, Charles to Power street, cost \$1,694; macadam pavements, Pritchard avenue, Main to Aikins street, cost \$4,746; Henry avenue, Main to Isabel street, cost \$4,746; Henry avenue, Main to Isabel street, cost \$4,746; Henry avenue, Main to Salter street, cost \$5,599; Stella avenue, Aikens to Salter streets, cost \$605; asphalt pavements, Nassau street, MacMillan avenue to Pentina road, cost \$10,260; Maryland street, Portage avenue to Ellice street, cost \$1,5,64.—It sunderstood that the hospital directors believe that the recent vote was sufficient to permit the city council to proceed with the erection of a new hospital directors WINNIPEG, MAN .- A by-law to raise believe that the recent vote was sufficient to permit the city council to proceed with the erection of a new hospital building.—The Turnbull & McManus warehouse will be commenced this week.—The directors of the Winnipeg Industrial Exhibition have under consideration the construction of a mile race track.—James Chisholm, architect, has just taken tenders on a frame residence.

MONTREAL OULE—Plans of stone

MONTREAL, QUE.—Plans of stone work to be done on the Soulanges canal may be seen at the office of the superinending engineer, 2 Place d'Armes, this city.—The council will construct sewers on Hutcheson street from end of existing on Hutcheson street from end of existing sewer north a distance of 130 feet, and on Frontenac street, from end of existing sewer to about 200 feet north of Rachel street. — The Harbor Commissioners have instructed John Kennedy, chief engineer, to revise the plan for new permanent freight sheds. These are estimated to cost upwards of \$2,000,000.—
The project will report on the cost of mated to cost upwards of \$2,000,000.— The engineer will report on the cost of constructing a pier for the Locomotive & Machine Co. at Longue Pointe.— Finley & Spence are taking tenders for Metropolitan Bank. — Building permits have been granted as follows: T. Prefontaine, 3 story bldge, Dorchester St., cost, \$6,000; S. P. Valleres, part 2 story bldgs., Brensielle St., cost \$2,100; H. L'Hereux, pair 3 story bldgs., Dorchester St., cost \$5,300; Bell Telephone Co., 3 story bldgs, St. Andre St., near St. Catherine St., cost \$40,000.—Tenders are invited by the city up to August 10th

THE CREY AND BRUCE PORTLAND
CEMENT COMPANY

of Shallow Lake, Limited.

Manufacturers of

"HERCULES" PORTLAND OF

Very finely ground. Unsurpassed for Side-alka, Floors and all work requiring the ghest Grade of Portland Cement. For prices

for erection of three fire stations, from plans by the following architects: No. 1 station, by Perrault & Lesage; No. 9 station, W. E. Doran; No. 19 station, by L. R. Montbriant. In the course of a few weeks the Fire Committee will consider the remodelling of some old fire stations.

TORONTO, ONT. — The Executive of the Toronto Mission Union hope to be able to take steps at an early date to replace the old buildings on Hayter street by a new and commodious structure. It is understood that tenders on plans submitted will be invited with the object of ascertaining whether there are sufficient ascertaining wenter there are sufficient funds to warrant the commencement of the work.—Plans for the new northern city stables are being prepared by the Crty Commissioner's Department. The building will be of brick and of substantial construction.—The City Commissioner's of the original their the properties of the original their properties. sioner is of the opinion that a new build-



SAWYER & MASSEY CO., LIMITED HAMILTON, CANADA. Send for prices.

# **Portland Cements**

Highest Grade

Ganadian, German, English and Belgian

DRAIN PIPES and Connections of all kinds. PAVING BRICKS. ENAMELLED BRICKS. FIRE BRICKS, FIRE CLAY, Etc., Etc. 36 36

F. HYDE & CO.,

31 Wellington Street

MONTREAL



### LPHA Portland Cement

Quality Unexcelled. The Recognised Standard American Brand. Always Uniform. Best in the World for Sidewalks. ALPHA PORTLAND CEMENT CO, anufacturers of but one grade—Strictly Straight Portland. General Office: ALPHA, N. J.

Sole Canadian Sales Agents **HENDERSON & TAYLOR** 203 Commissioners Street, MONTREAL

65 to 73 Pearl Street, Toronto, Ont.

### STRUCTURAL IRON WORKS

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

IN STOCK

A FULL LINE OF

RAILS, CARS, ENGINES, DERRICK FIT-TINGS, SCRAPERS, WHEEL BARROWS, PICKS, SHOVELS, HAMMERS, ETC.

RANSOME DRUM MIXERS

(SIMPLE AND PORTABLE) A. D. CREASOR, Sec'y-Treas. Head Office, Owen Sound, Ont. JAMES COOPER. MONTREAL.

EDWARD CRONYN.

JOHN B. KILGOUR.

C. E. A. GOLDMAN

MUNICIPAL DEBENTURES BOUGHT

ÆMILIUS JARVIS & CO. (Toronto Stock Exchange) 19-21 King St. West, TORONTO, Ont.

should be erected to replace the Berkeley street fire hall instead of repair-ing the old building, as proposed. He will report on the matter.—A recommend-ation to remove the Bay street fire hall from its present site and erect a new hall will be considered at an early meeting of the Fire and Light Committee. — The council has given notice of its intention

to construct a brick pavement on Fredor construct a price pavement on Free re-erick street, from Front to Esplanade, at cost of \$2,750, and a cement concrete sidewalk on West Roxboro street, north side, from Yonge street to Avenue road, at cost of \$3,340.—H. H. Beasley has purchased a lot at corner of Triller and Harvard avenues and intends building a residence.-The city engineer has

again called the attention of the city again caused me attention of the city council to the necessity of constructing additional groynes to protect the island. — Building permits have been granted as follows: Charles Mould & Co., three-storey brick and stone dwelling, 226 Campbell avenue, cost \$2,700; James McDonald, alterations and additions to dwellings, 228 and 230 St. Clarens

#### FIREMEN'S LADDERS

-AND-

### LADDER TRUCKS

We make the lightest, quickest, strongest and cheapest. Every Town and Village needs them and can afford them. They will save 50 time price in insurance premiums. They will save 50 times for circulars and quotations.

THE WAGGONER LADDER CO. Limited

The Best is the Cheapest,

The .

## PORTABLE GRAVITY CONCRETE MIXER



E. F. Dartnell Montreal.

THE PHOENIX BRIDGE & IRON WORKS.

## CENERAL STEEL CONTRACTORS

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

Consulting Engineers and Cement Work Specialists

Specifications and Estimates. Superintendence of Construction.

Inspection and Reports of Cement Material and Properties. Analysis and Tests of Raw Material and Cement.

Designed and constructed 24 CEMENT PLANTS in United States and Canada 20 YEARS PRACTICAL EXPERIENCE designing, constructing and operating cement works.

CEMENT PROPERTIES FOR SALE.

For further information address- ROBERT F. WENTZ, M.W.S.E., PRES'T

OFFICES: 12-15 Babp's Block, - - NAZARETH, PA., U. S. A. TORONTO, ONT., CAN,



FOR

# Sewers, Culverts and Water Pipes

Inverts for Brick Severs

WRITE FOR DISCOUNTS

ST. JOHNS, P. Q.

HAMILTON, ONT.

TORONTO, ONT.

# The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF

# RAILWAY AND HICHWAY BRIDGES

ocomotive Turn Tables, oofs, Steel Buildings and tructural Iron Work of all descriptions

## STEEL-CLAD AND BRICK SET INCINERATORS



MANUFACTURED Toronto Furnance & Crematory Co., LIMITED 14 and 16 Queen St. East, TORONTO, CANADA

Experts in sanitary disposal of dangerous wastes,

Garbage, Refuse, Night Soil, Dead Animals,

For Cities, Towns, Hospitals, Hotels, Abattoirs, etc.

The plants embody the newest features of modern practice and are constructed to meet the requirements of the smallest towns and the largest cities, capacities ranging from 4 to 100 tons daily. Correspondence invited.

#### ALWAYS IN STOCK

# PIG LEAD, PIG TIN AND SOLD

Syracuse Smelting Works, montreal, P.Q.

#### Notice to Contractors.

The Niagara Falls Machine & Foundry Co., Limited, Niagara Falls, Ont.,

are making a specialty of improved HOISTING AND BUILDING ENGINES.

## ARTIFICIAL STONE

SIDEWALKS A SPECIALTY

CORPORATIONS Will do well to consider our work and prices before letting contracts

The Silica Barutic Stone Company of Ontario, Limited.

WALTER MILLS

Head Office ; INGERSOLL, ONT.



Flue Linings Fire Brick Fire Clay **Portland Cement** 

Ask for catalogue and discounts.

Toronto Pottery Co. TORONTO, ONT.

Sales Agents

#### CEMENT PORTLAND

SAMSON BRAND

MAGNET BRAND

MANUFACTURED BY

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

Works at SHALLOW LAKE, ONT.

The Leading Canadian Portland Cement.

Gapacity of Works: 500,000 Barrels Per Year.

The RATHBUN CO.
310-312 Front Street West, TORONTO, ONT.

SALES AGENTS St. Lawrence Portland Cement Co. 101-102 Board of Trade Building, MONTREAL.

## IESS, STRENCTH AND ECONOMY

atent Trussed Ladders, Trussed Aerial, City Service and Village der Trucks, Combination Hook and Ladder Trucks and Chemical Engines, Trussed Trucks and Hand Pumps, Com-



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

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

Long Distance Phones 606 and 504 W. E. SEAGRAVE, WALKERVILLE ONT.

# Fire Apparatus

# Road Machinery

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. CORRESPONDENCE SOLICITED.

WATEROUS, Brantford, Canada

Hugh Cameron & Co., Selling Agents, 16 East Queen Street, Toronto



tackpole Patent Improved Street Sweeping Machine



Studebaker Sprinkler

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

IMPROVED VERTICAL SPRAY

Geo. Heaman, Mnfr., London, Ont

avenue, cost \$1,000; R. M. Campbell, two-storey dwelling, 20 D'Arcy street, cost \$1,600; Nordheimer Piano & Music cost \$1,600; Nordheimer Piano & Music Co., six-storey office building, 6 Colborne street, cost \$10,000; J. M. Henderson, two-sto rey brick residence, 16 McPherson avenue, cost \$2,800; J. F. V. May, brick dw elling, east side Concord avenue, cost \$2,500; Consumers Gas Co., additional storey and alterations to old court house, Adelaide street east, cost \$15,000; Henry Cawthya, additional brick storey to store. Cawthra, additional brick storey to store, 92 and 94 Yonge street, cost \$2,000; Crompton Corset Co., additional storey

and alterations, Clarence creet, near Wellington, cost \$3,000; O. B. Coon, pair two and a half-storey brick dwellings, McPherson avenue, near Yonge street, cost \$9,600.

#### CONTRACTS AWARDED.

VANCOUVER, B. C.— The Great Northern Railway Co. have let the con-tract to Ironsides, Rannie & Campbell for construction of trestle and bridge work over False Greek; price between \$35,000 and \$40,000.

BARRIE, ONT.-J. L. Russell, architect, of Stratford, has awarded the contracts to local contractors for building Methodist church here, brick, two-storeys,

At x 04 feet.

ST. JOHN, N. B.—Four story brick building for the Canadian Drug Co.: B. Mooney & Sons, contractors.—The contract for No. 4 warehouse in connection with harbor improvements has been let to G.S. Mayes at \$23,980. D. Clark ten-dered at \$34,134. ST. MARY'S ONT.—Crushed stone for corporation work: Horse-Shoe Quar-



**Portable Boilers Hoisting Engines Pumping Machinery** 

TOLET

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

WM. HOOD & SON MONTREAL 10 Richmond Sq.

#### **DEBENTURES**

Municipalities contemplating the issue of Debentures will find it to their advantage to communicate with

G. A. STIMSON & CO. Investment Dealers 24 and 26 King St. W. -

### THE DELANO-OSBORN **ENGINEERING CO., LIMITED**

MANNING CHAMBERS, TORONTO

CONSULTING CIVIL, MECHANICAL AND ELECTRICAL ENGINEERS.

# Pittsburgh Testing Laboratory,

Inspecting and Metallurgical Engineers and Chemists

SPECIALTIES: Inspection of RAILS and all material for BRIDGES, BUILDINGS, and other structures, cast from pipe, wood and steel railroad cars.

MANDFACTURE AND ERRCTION.

Expert examination and steel railroad cars.

AND EXPERT CAMBRIDGES of the steel of

### THE STEEL "CHAMPION" IS THE KING OF GRADERS

CHAMPION" Road Machines are now in use in every Province of Canada.



Address for 20th Century Catalog

The Good Roads Machinery Co., Limited (Late Killey-Beckett Engine Works)
44 YORK STREET - HAMILTON, ONT.



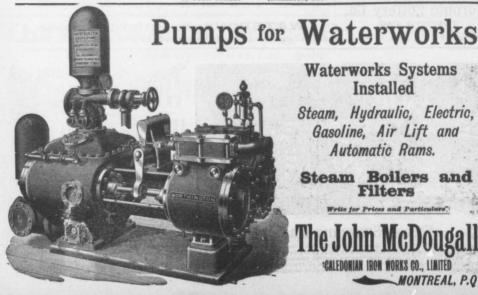
and Foundation Work.

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 908 Queen St. E.-Phone M. 2007.



Waterworks Systems Installed

Steam, Hydraulic, Electric, Gasoline, Air Lift and Automatic Rams.

Steam Boilers and **Filters** 

The John McDougall

GALEDONIAN IRON WORKS GO., LIMITED MONTREAL, P.Q 75,

B.

m to

n-

ld-

ER

0

Wax.

5 AP

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

## VILLIS CHIPMAN

Hon, Grad. McGill University.
M. Can. Soc. C.E. M. Am. Soc. C.E. M. Am. Soc. C.E.
M. AM. Soc. C.E. M. Am. Soc. C.E.
M. ATERWORKS, SEWERAGE WORKS, GAS
WORKS, ELECTRIC LIGHT AND
POWER PLANTS
Reports, Surveya, Construction, Valuations

103 BAY STREET - TORONTO

#### R. E. SPEAKMAN, C.E. A. M. Inst. C. E., 1878.

### CONSULTING ENGINEER

orks, Sewerage and Sewage Disposal. Municipal Improvements.
Granolithic Pavements.
Electric Light Plants.
Drainage and Irrigation of Land.
Coal Handling Plant and Machinery.
Plans, Specifications and Estimates.
Construction and Valuations.

Canada Life Building - TORONTO

### Roderick J. Parke CONSULTING ENGINEER

ydraulic Power Development, Long Distance Power Transmission. Steam Plants, Electric Lighting and Power Systems. Tests Valuations. Reports.

1-51 Janes Building, Cor. TORONTO, CANADA King and Yonge Streets TORONTO, CANADA

Telephones {Office—Long Distance Main 3047 Residence-Long Distance North 2204 Telegraphic address: "Rodparke." W. Ü. Code, Univ. Edition.

# WILLIAM H. BREITHAUPT, G.E. M. AM. SOC. C.E., M. CAN. SOC. C.E.

CONSULTING STRUCTURAL ENGINEER

Foundations, Bridges, Buildings. BERLIN, ONT.

# CEMENT TESTING

Dr. J. T. Donald Official Analys. of the Dominion Government. Established 1880.

Physical and Chemical Tests on all kinds of CEMENTS and RAW MATERIALS. Prompt returns and lowest rates consistent with accurate

112 St. Francois Xavier Street, Montreal, Canada

### ROSS & HOLGATE

#### Consulting and Supervising Engineers

Waterworks, Electric Light and Power Plants, Structural Work, Reports, Estimates, Arbitrations.

SO ST. FRANCOIS XAVIER ST. - MONTREAL

# CEO. L. GRIFFITH, C.E. Mem. Dom. Inst. Amal. Rug.; Mem. Can. Min. Inst.

Municipal Engineering in General.

Waterworks, Sewerage and Sewage Disposal, Street Rallways, Concrete Pavements, Concrete Steel Bridges, Drainage and Irrigation, Water Power Development, Reports, Plans, Specifica-tions, Estimates, Construction.

General Instrumental Surveys undertaken for Public Works of every description. Bank of Hamilton Chambers, Winnipeg, Man.

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

## LOCOMOTIVES & CARS

John J. Gartshore 

### John H. Jackson

CIVIL ENCINEER

WATER POWER, ELECTRIC RAIL-WAYS, STRUCTURAL STEEL.

Niagara Falls, Canada

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

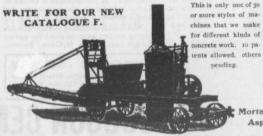
#### CHARLES BRANDEIS

Consulting Blectrical and Mechanical Engineer.

Electric Lighting, Power and Railway Plants.
Liverpool, London and Globe Building,
MONTREAL.

Long Distance Telephone Main 3256.

# The Greatest Concrete Mixer Made



Mortar and Asphalt Mixers

### DRAKE STANDARD MACHINE WORKS

Factory, 7-9-11-13 Garden Street, Chicago.

Office and Salesroom, 298-300-302 W. Jackson Boul, CHICAGO, ILL., U. S. A.



18 Different Sizes and Styles. Mounted

Skids Trucks.

With Without Power

Are Unexcelled for Rapid and Thorough Mixing. They are the Simplest and Strongest in Con-struction. Capacities up to 350 Cubic Yards per Day.

W.H.C. MUSSEN & CO., 763-765 Craig St. MONTREAL.

# CANADIAN HAND-BOOK

and Estimator

Third Edition

Price \$1.50; to subscribers of the Canadian Architect and Builder, \$1.00.

SEND FOR A COPY

C. H. Mortimer Publishing Co. Teronto.

Please mention THE CONTRACT RECORD when corresponding with advertisers.

## McKELVEY CONCRETE

MANUFACTURED W. A. MCKELVEY, McKinnon Building, TORONTO.



These machines are made to mix either continuously or in batches, and can be operated either by Hand, Steam or Gasoline Power.

ry Co., successful tenderers.-Block for A. Beattie & Co.: Masonry, William Cockram; carpenter work, Johnston &

WOODSLEE, ONT.—County bridge over Belle river: Tunnel City Bridge Co., of Port Huron, Mich., successful ten-

GREENWOOD, B. C .- The British Columbia Copper Co. have let a contract to Frank Coryell, of Grand Forks, to supply 4,000,000 bricks for smoke stack for the smelting works here.

MONTREAL, QUE.—Residence on Forden avenue, Westmount, for R. M. Ballantyne, cost \$17,000: Masenry and brick work, Heggie & Stewart; carpenter work, Jas. Shearer Co.; plastering, R. D. Clark; painting, Alex. Craig; plun.bing, Jas. Atchison; roofing, Geo. W. Reed & Co.; electric work, F. R. Crombie; Saxe & Archibald, architects.

LISTOWEL, ONT. — Tenders for construction of waterworks system have been accepted as follows: P. K. Weber, Berlin, laying pipe, setting valves and hydrants, \$1,504.00; Gartshore & Thomson Co., Hamilton, pipe and specials, \$7,324.62; Canada Foundry Co., Toronto, hydrants, valves and boxes, \$814.80; hydrants, valves and boxes, \$814.80; Hunter Bros., water tower, \$5,300.00; Canada Foundry Co., pumping machin-ery, \$1,900.00; Hunter Bros., boiler, \$1. 100.00,

#### BIDS.

OTTAWA, ONT .- Only two tenders were received for furnishing new fire en-gine, as follows: Waterous Engine Co., Brantford, \$5,500 for a 750 gallon en-gine; Canadian Fire Engine Co., Lon-don, Ont., \$5,200 delivered at Ottawa or \$4,800 at London. The contract has not been awarded. been awarded.

NIAGARA FALLS, ONT.—The following tenders were received for paving Bridge street: John McGuire, Toronto,

Lyons Electric Co. - Brantford, Ont. Contractors, Specialists, General Supplies. Close Figures on High Class Work.

new curbstone, 68c a lineal foot; re-setting old curbstone, 23½c a lineal foot; brick pavement with 6-in. concrete found. ation, \$2.48 a square yard; brick pavement with 4-inch concrete foundation, \$2.22 a square yard. F. V. E. Bardol; New curbstone, 48c; re-setting old curb-\$2.65; brick pavement, 4-in. concrete, \$2.65; brick pavement, 4-in. concrete, \$2.45. Forest City Paving Co.: New curbstone, 44c; re-setting old curbstone, curbstone, 44c; re-setting old curbstone, 13c; brick pavement, 6-in. concrete, \$2.29; brick pavement, 4-in. concrete, \$2.00. Spicer & Canovan, Niagara Falls, N. Y.: New curbstone, 6oc; re-setting old curbstone, 12c; brick pavement, 6-in. concrete, \$2.70; brick pavement, 4-in. concrete, \$2.30. Tenders referred to the engineer for report.

### JOHN GALT, C.E.&M.E.

MEM. CAN. SOC. C.E. AND C.E.A., ET CONSULTING ENGINEER and EXPERT

National Trust Building Toronto 20 King Street East Toronto Specialties—Water Supply and Sewerage.

.. Manufactured at.

NIEL ON RUPELL

## MUNICIPAL SUPPLIES

Complete Stone Crushing Plants, 75, 100 and 300 tons per day, Road Graders, Mud Scrapers, Rock Drills, Steam Road Rollers, Gasoline Fire Engines, etc.

#### T. A. MORRISON & CO.

204 St. James St.

MONTREAL

# WATERWORKS PHMPS

Municipalities contemplating the installation of waterworks pumps will find it to their advantage to investigate our pumps-both as to cost and service.

Northey pumps are giving satisfaction under all sorts of conditions in scores of towns in Canada.

WE MAKE

Forall Duties"

Write or telegraph and we will send a representative to you to make a personal inspection.

Northey pumps are designed for efficient, continuous work and meet the requirements.

Company Limited, Foronto

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

C. I. de Sola, Manager in Canada : 180 St. James Street, MONTREAL

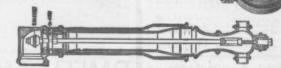
# The KERR ENGINE GOMPANY, Limited

HYDRANTS and VALVES

Are our Specialty

Don't fail to write us for Catalogue and or

WALKERVILLE, ONTARIO





# "Lehigh Portland C

Capacity 11,000 Barrels every Day in the Year. For Sidewalks and all other work requiring the highest quality Pertland Cement

Used by the U.S. Government and the largest contractors and users of Portland Coments in the United States. Absolutely the most popular Coment in Canada on account of its merits.

THORN CEMENT CO. - Buffalo, N. Y.

# **Portland Cement**

Write or Telegraph to BELLHOUSE, DILLON & CO.
201-203 Coristine Building, St. Nicholas Street, Montreal

for prices---Large stock constantly on hand.

5, 1903

eal foor

concrete

ent, 4-in

ed to the

E.&M.E. EXPERT Coronto

ured at.

UPELL

DATREAL

mited

TORONTO, ONT.

# Ornamental and Drinking **Fountains**



and Artistic For Man and

Very Neat

Beast.



Iron Fences from \$1 per foot upwards. Lawn Vases, Lawn Sears and Benches, Lawn Rollers, Hitching Posts, Etc., Etc. Send for Bulletin No. 18.

District Offices

MONTREAL

HALIFAX

OTTAWA WINNIPEG

VANCOUVER

VICTORIA

POSSLAND

Montreal Pipe Foundry Co., Limited Special Castings Valve Boxes Flange Pipe CAST IRON PIPE Water Hydrants Works at : 175 Tons Pipes and Castings. HEAD OFFICE CANADA LIFE BUILDING. MONTREAL

ALEX. GARTSHORE, President. J. G. ALLAN, Secretary and Treasurer. JAS. THOMSON, Vice-President and General Manager.

ISON PIPE & FOUNDRY CO.

Manutacturers of:::

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

**CAST IRON PIPE** 

3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer 

ontreal

Y.

intly

#### **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.

Address all communications to

JOS. BRUNET - COTE DES NEIGES, MONTREAL

#### M. BEATTY & SONS WELLAND, ONT.

Dredges, Ditchers, Derricks and Steam Shovels

of various styles and sizes to sult any work.

Submarine Rock Drilling Machinery, Hoisting Engines, Suspension Cableways, Horse-Power Hoisters, Gang Stone Saws, Centrifugal Pumps for Water, Sand and Gold Mining, and other Contractors' Plant. Plant.

Prices of Building Materials. PRESSED BRICK, Per M. MILTON PRESSED BRICK AND SEWER PIPE CO AND SEWER PIPE CO.
F.O.B. F.O.B.
Milton, O. t., Montreal
Silkon
S Buff No. 1. 90 Bows Buff No. 1. 90 Bows Buff No. 1. 90 Buff No. 1. e to head office. st., Toronto, ne and prices Ornamental Bricks of all kinds for stantel purposes.

dorous Terra Cotta Bri ks for lining.

Vitrified Street-Paving Bricks.

Semi-Vitrified Foundation Bri ks.

Common Stock Red and Grey Bricks.

Sewer Bricks.

Sewer Bricks. Please write t BEAMSVILLE BRICK AND TERRA COTTA CO.

| BRAMSVILLE BRICK AND TERRA COTTA CO. | P.O.B. | Boansville. Montreal | Boansville. Montre

FIRE BRICK
F. O. B. Toronto
Car lots
1 ces
21 00 M. 25 00 M.
23 50 M. 27 50 M.
27 50 M. 32 00 M. Boyd W. W. Co. Savage Crown STONE. Toronto. Montreal

Common Rubble, per toise,		
delivered at building	13 50	11 00
Large flat Rubbie, per toise,		
delivered	14 00	18 00
Foundation Blocks, per c. ft.	30	50
Granite (Stanstead) Ashlar, 6		100
in. to 12 in., rise 9 tn., per ft.		95
Amherst Red Sandstone		
Amherst, N.S., per cub. ft.	85	70
Sackville, N.B., brown stone		
f. o. b. Quarries	35	45
Masslon	30 00	
Stanstead granite paving		
blocks, 8 in. to va in. x6 in.		
x41/2 in. per M		50 00
Granite curbing stone, 6x		
so in. per lineal foot		70

#### Portland Cemen

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC AND ARTIFICIAL STONE SIDEWALKS.

Best English Cements. Best Beigian Cements Sewer Pipes, W. McNALLY & CO., Montreal Culvert Pipes, &c.

# Dominion Bridge Co., Ltd.

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

# STEEL BRIDGES

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

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

#### CEMENT ORTLAND



SEWER PIPES FIRE BRICKS FIRE CLAY

ALEX. BREMNER

50 Bleury Street, MONTREAL

# W. & F. P. CURRIE & C

345 St. James St., Montreal

SEWER PIPES.

CULVERT PIPES, ETC. VENT LININGS, FLUE COVERS,

FIRE BRICKS, FIRE CLAY,



### PORTLAND CEMENTS.

HIGH GRADE ENGLISH

GERMAN BELGIAN

PLASTER OF PARIS BORAX.

CHINA CLAY. WHITING.

				0.000	
Ty	oronto.	Montrea1		to. Mont	real.
touche Olive Freestone re Sandstone (Indian-	85	65	English—		
wn, N. B)wn Sandstone (Sack-	80	70	Brook's Shoobridge Anchor 2 35 2 Excelsior Brand	40 2 00	2 10
lle, N. B	80	70	Belgian - "Castle" Brand	2 10	* **
at red sandstone, per l. ft		60	" Josson" Brand 2 60 = 2 70 " North's Condor 2 40 2 50	2,30	2 45
er cu. ft		50	"White Cross " 2 15 2 20	1 85	
ra Scotia blue grey, per cu. ft.		65	Atlas 2 50 2 70		
rsers, 4 to 6 in. bed, f. o.			Hammer "	v 80	1 90
, St. Mary's, per cord	4 00	3 00	Sams n	1 80	
ting, 216 to 3 in. wide, 6 in.			R d Cross Brand		1 90
nick, per running foot	70		Waterloo "		2 20
dge Stone, to to 13 in. thick,			Raevel's 396 lb. bbl		2 55
o, b. St. Mary's, per cord.	6 00	9 00	Levie Bros., " 2 25 2		2 50
inite (Laurentian Pink) Ash-				55 2 00	2 10
r,6 to a in.,rise 9 in., per cft.		25	Offentacher Brand 2 80 2 9	0 2 30	4 45
neusion Stock Granife,(Lau utian Pink) for building pur	T+		Dyckerhoff 2 40 2 5		2 45
oses, per c. ft., f.o.b. quarries		40	Karlstadt 2 80 2 5		2 50
, for polishing purposes, up	11. 23	40	Hercules 2 40 2 7		2 30
a tons weight, per cubic foot		70	Heemmoor 2 40 2		2 15
a tom meight per emoie root			Cannon 2 40 2		
		B. Halifax	Heidelberg 2 40 2		2 15
nension stock granite for		Sanday De Local Plans	Canadian		
uilding purposes, per cu. ft., for polishing purposes, up		50	Star Brand 240 3		
o a tons weight, per cubic ft		1 00	Ensign " 215 2	70	
ring sets, per thousand block	N. 114	60 00	Citadel " 2 00	B 10 20	
ring sees, per chousand brock		00 00	Trowel "	60 I 75	1 80
CREDIT VALLEY 83				40	
	F.O.B	. Quarries.	Monarch " 2 10	40	
bble, per ton		60		50	
wn Coursing, up to 10 per	r		Lion Brand 2 25 2		
up. yard		2 00	American—		
own dimension, per cub. ft		70		50 2'50	2 65
ry coursing, per sup. yard		1 25	Alsen's 2 50 2	0 2 25	2 35
y dimension, per cub. ft		50		00	2 50
SLATE.	-	o. Montreal		20	250
AND THE PARTY OF T	TOLOWE	o. montieur			2 35
fing (\$ square).			Kerne's Cuperfine "Whites' 10 00 12		100
red	20 0	20 00	Keene's Coarse "Whites" 650 7		
purple	9:0	10 00	Fire Bricks, Newcastle, per M 27 00 32 Scotch " 28 00 33	00 17 00	22 00
unfa ling green	9(0	11 00		30	
a Cotta Tile per sq	23 00	9 00	H H White		
amental Black Slate Roofing	*5 00	32.00		00	200
amental common college at country			" " N. S 3	00	2 00