

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. 13.

OGTOBER 15, 1902

No. 35

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

Asan Intermediate Edition of the Canadian Architect and Builder.

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

G. H. MORTIMER PUBLISHING COMPANY of Toronto, Limited;

CONFEDERATION LIFE BUILDING, TORONTO Telephore 2362. Branch Offices:

Imperial Building, Montreal, 22 Great St. Helen's, London, B. C. Telephone Main 2299.

Advertising Rates on application.

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

TENDERS

To Contractors

Bulk of separate tenders will be received up to 4 p.m. on Saturday, the 18th inst., for all the various trades, except heating, required in the rection of

erection of

A Five-Storey Factory Building, 52' 0" x 180' 0",
on the north side of Lombard street, for the
Toronto Brass Mnfg. Co., and the National Cash
Register Co., Ltd., of Dayton, Ohio.
The lowest or any tender not necessarily actepted. Plans and full particulars can be obtained at the office of the undersigned.

F. H. HERBERT, Architect 9 Toronto street.

TENDERS WANTED

for the supplying of material, building fof abut-ments, centre piers and guards and superstruc-fure for a

Steel Swing Bridge

scross the Welland River at Montrose, about four miles from Chippewa, in the County of Welland, Length over all about 190 feet, length of swing 110 feet, fixed span 80 feet, with a clear roadway of 16 feet. Concrete piers and abutments.

Plans and specifications may be seen at the blice of George Ross, Esq., C. E., Welland, Ont. Separate tenders required for substructure and superstructure. Tenders to be accompanied by accepted cheque for two hundred dollars as a guarantee of good faith, and to be in my hands on or before TUESDAY, OCYOBER 2187, at 12 o'clock noon. Cheques of all unsuccessful tenderes will be returned. Tenders to be endorsed "Tenders for Montrose Bridge" and addressed to Norval B. Hagar, Allanburg, Ont., Chairman of Road and Bridge Committee of the County Countil of the County of Welland.

The lowest or any tender not necessarily accepted.

ROBERT COOPER.

ROBERT COOPER, County Clerk.

The Taylor-Forbes Company has been briganized at Guelph, Ont., to manufacture radiators, boilers, etc.; capital stock \$300,000; incorporators, J. M. Taylor, Adam Taylor, J. S. Taylor and Emma Taylor, of Guelph, and G. D. Forbes, of Hespeler.

CONTRACTS OPEN.

NEW HAMBURG, ONT.-Mr. Zolibrigg intends rebuilding his mill.

ST. THOMAS, ONT. — E. H. Pink will erest two brick cottages on William street.

BRANDON, MAN.--Debentures for \$150,000 will be issued by the corpora-

ST. MARY'S, ONT .- David Maxwell & Sons contemplate enlarging their works.

AMHERSTBURG, ONT. - Harry Martin purposes erecting a factory building 300 feet long.

CORNWALL, ONT. - New tenders will be invited for the purchase of municipal debentures.

OSHAWA, ONT .- The McLaughlin Carriage Co. purpose building a brick warehouse.

SYDNEY, N. S.—A. H. Pool has prepared plans for new residence for Captain M. W. Florains.

STRATFORD, ONT. - Debentures will be issued by this city for municipal improvements.

WEYMOUTH, N.S.- The Sissiboo Pulp & Paper Co. intend erecting a warehouse 300x50 feet.

BURK'S FALLS, ONT .- A site has been purchased for a new church for St. Andrew's congregation.

PARRY SOUND, ONT .- G.D. Gladman purposes rebuilding his saw mill in the township of Carling.

ST. JOHN, N.B.-T. McAvity & Sons have decided to build a four-storey building on Water street.

-T.T. Jean, munici-ARACHAT, C.B.pal clerk, will receive offers up to October 31st for a loan of \$10,000.

DRESDEN, ONT. -- Arthur Smith, town clerk, desires tenders by October 22nd for purchase of \$40,000 debentures.

GALT, ONT .- G. R. Mellish, architect, is preparing plans for the Carnegie library. Tenders will be asked this fall.

WIARTON, ONT.—J. J. Clark will receive applications up to October 18 for position of chief engineer of waterworks.

MONCTON, N.B.—A Ly-law to raise funds for extension of waterworks system was defeated by a large majority last

DRAYTON, ONT.—Bids will be received by A. C. Woodman, town clerk, up to 20th inst. for heating the new town

BRANTFORD, ONT .- Frank Cockshutt intends building a number of new dwellings in the vicinity of Huron street school.

MOUNT FOREST, ONT. - The tenders for St. Mary's church being too high, the work may be done by day labor.

CAMPBELLFORD, ONT .- By-laws were carried here last week granting bonuses to the Dickson Foundry Co. and the Weston Shoe Co.

NANAIMO, B.C.—The Great Northern Railway Co. is reported to be considering the feasibility of building across Vancouver Island, from Nanaimo to Al-

BARING, N. B.-Irving R. Todd and H. F. Dowst purpose building a mill here for preparing wood for pulp. It will be 95x25 feet, exclusive of engine and boiler room.

PRINCE ALBERT, N. W. T. — On behalf of the corporation F. H. Clinch will receive bids up to December 15th next for purchase of \$15,000 20 year 4½ per cent. debentures.

FREDERICTON, N.B.—Plans have been prepared for a steel bridge with masonry piers to be erected at the mouth of the Oromocto river, to be 544 feet long and having two spans.

NEW WESTMINSTER, B.C.-Tenders are invited by the Provincial Government up to O tober 27th for altera-tions and additions to the asylum, including a new laundry plant.

PETERBOROUGH, ONT. — It is proposed to submit a by law to the rate-payers to grant a bonus of \$6,000 to the Skelton Mfg. Co. to build a factory here for the manufacture of shovels and other

CALGARY, N. W. T.—Bids for the purchase of corporation debentures will be received up to the 20th inst.—
Plans are being prepared for new block
for J. Y. Griffin & Co., to be stone, 30x150 feet.

BERLIN, ONT.—The council will submit a by-law to the ratepayers to grant a loan of \$75,000 to H. Mickler and W. S. Hudson to establish a factory for the manufacture of bank and office furniture and hardwood fin shings.

PORT ARTHUR, ONT. - It is stated that the C.P.R. will build a large addition to their cleaning elevator next spring -J L. Meikle & Co. contemplate the erection next spring of a four-storey addition to their wholesale premises.

COLCHESTER SOUTH, ONT. - William Newman, C.E., of Windsor, has submitted to the township council a re-port on a scheme of dramage involving an expenditure of nearly \$100,000. It is improbable that the work will be undertaken.

HEDLEYVILLE, QUE. - The council has passed a resolution granting exemption from taxation to a company whose object is to build a 1,000-foot wharf fronting on the St. Charles river, warehouses, elevators, lumber and coal landings, etc.

COLLINGWOOD, ONT—It is reported that George Cook contemplates building four stores on his property south of the Toronto House.—John Wilson has prepared plans for addition and alterations to the Queen's Hotel for Capt. J. Ganley.—H. Dixon has decided to build a larger foundry.

ST. CATHARINES, ONT. — The council has decided to purchase the Stevenson Gardens as a site for proposed drill hall.—The tenders received for erection of public library are in excess of the appropriation, and if more funds cannot be obtained the plans will probably be modified.

FORT FRANCES, ONT.—A deputation, including Senator McMullen, interviewed the Ontario Government last week regarding the proposal to develop the water power of the Rainy River at this place. W. H. Bachus, of Minneapolis, representing an American syndicate, is also interested.

KAMLOOPS, B. C.—It is announced here that the Canadian Real Properties, Limited, of London, England, intend bringing under cultivation, by irrigation, some 6,000 acres of arable land within a few miles of this place. The capital of the company is \$215,000, and R.H. Alexander is to be local manager. It is proposed to construct a canal to cost about \$50,000.

VICTORIA, B.C.—The British Columbia Government is about to build school houses at Minto and Alberni.—Hugh Grieve has decided to add two storeys to the Imperial Hotel and install an elevator and other modern improvements. Plans for the work are in course of preparation.—Ald. Barnard has submitted to the council a scheme for the extension of the sewerage system of the city.

LONDON, ONT. — The London, Aylmer & North Shore Electric Railway Co., of New York city, has been incorporated, to construct an electric railroad from London to Port Burweil, Ont. A.S. Melyon, of Aylmer, Ont., is interested.— The Builders' Supply Co, which comprises a number of city builders, have decided to establish a brick manufactory on Adelaide street north.

VANCOUVER, B. C. — Parliament will be asked to incorporate the Vancouver & Coast Kootenay Railway Co., to build a railway from this city to Midwiy, with branch lines.—Tenders close 24th inst. for purchase of \$182,000 city debentures. Particulars from C. F. McGuigan, city cterk.—J. Rogers has had plans prepared for a four-storey building to be built on the corner of Hastings and Homer streets, to cost \$50,000.

OWEN SOUND, ONT.—It is probable that work will be commenced next month on the new machine shops of the Owen Sound Iron Works Co., of which C. A. Fieming is vice-president and secretary. Main building will be 300 feet long, of stone, with steel roof and portland cement floor. There will be a pattern metal storage building 40 feet long and two storeys high, pattern shop 40 feet long, boiler shop toox40 feet, and perhaps one or two other buildings.

KINGSTON, ONT.—E. M. Storey, architect, is preparing plans for new farm residence for Thomas Sherwood, Latimer.—Queen's University has acquired more land near the College and either a new theological building or observatory will be built thereon. — Gillies Bros., of Braeside, have secured an option on property just east of the G. T. R. depot, and it is understood that they propose starting cement works.

LINDSAY, ONT.—The town commissioner has submitted a report on the paving of King street, the cost being estimated as follows: Asphalt, \$37,000; vitrified brick, \$37,000; bituminous macadum, \$32,000; tai macadam, \$17,500. It has been recommended that tenders for pavements be invited this fall, so that the contractor will be in a position to proceed early in the spring.—Last week the ratepayers in the township of Bexley voted to grant exemption from taxation to the Raven Lake Cement Co.

HALIFAX, N. S.—The new issue of \$150,000 of stock by the Nova Scotia Telephone Co. will be used for the extension and improvement of the company's lines to the eastward.—C. A. Flaherty, chief engineer of the Egerton Tramway Co., of Boston, states that his company proposes to build an electric railway between the towns of New Glasgow, Westville, Stellarton and Trenton.—Toronto capitalists interested in the Nova Scotia Eastern Railway Co. are said to have reached an agreement with the Nova Scotia legislature under which the latter agrees to give a subsidy of \$5,000 a mile towards the proposed railway from Halifax to the Strait of Canso, with branches, a total distance of 190 miles. It is stated that the survey will be started at once.

HAMILTON, ONT.—C. Mills, architect, is reported to have obtained an option on 5,000,000 bricks to be delivered next April. It is believed that the bricks are required in connection with the proposal of a syndicate to erect a large number of dwellings for working-men in the north-east section of the city.—Building permits have been granted as follows: Chadwick Bros., alterations to factory, King street east, cost \$1,500; Charles Plant, brick dwelling, King William street, for Thomas Anderson,cost \$1,200.—Charles Mills, architect, has prepared plans for large departmental store to be built by Stanley Mills & Co., to be of steel, brick and plate glass.—The Deering Harvester Co. have decided to proceed at once with the crection of their warehouse building instead of waiting until next spring.

WINNIPEG, MAN.—The Lake of the Woods Milling Co. have decided to build another large flour mill in this province. — The construction of the following works has been recommended: Sewer on Boyd avenue, Charles to Aikins, cost \$1,060; macadam pavement on lane between Kennedy and Edmonton streets, cost \$2,440; asphalt pavement on Henry avenue, from Maple to Argyle street, cost \$6,920; on Ellen to Argyle street, cost \$6,920; on Ellen to Argyle street, cost \$6,920; on Ellen to Argyle street, has submitted his report on the improvements to the water supply. The cost is estimated at \$15,150.—At the next meeting of the city council a bylaw will be introduced to provide for the erection of suburban fire halls. — Dr. Jamieson, M. F. P., of Durham, Ont., arrived here last week in connection with the proposed establishment of cement works in this province.—J. R. Shrimpton has purchased the Henderson block on Princess street, which will probably be reconstructed for the purposes of an

OTTAWA, ONT.—No decision has as yet been reached as to the successful tenderer for the Royal Mint building and the harbor improvements at Quebec.—A New York architect is preparing plans for the new building to be built by James W. Woods, work on which will commence next spring; estimated cost \$\$0,000.—Three sets of plans have been prepared for the new Central depot.—R. E. Jamieson, baker and confectioner, is forming a joint stock company and proposes to extend his plant and building.—The following building permits were granted last week: S. J. Davis, brick veneered dwelling, O'Connor street,

cost \$2,500; Mary Ronan, brick veneered dwelling, McLeod street, cost \$2,000; Elizabeth Sharp, two brick dwellings, Daly avenue, cost \$4,000.

MONTREAL, QUE. — The Water Committee of the City Council has approved of the plans for new pumping stations to be erected at the high level reservoir.—The city is prepared to receive offers for suitable sites for erection of proposed isolation hospital. — David Ogilvy, architect, has been instructed to prepare plans for rebuilding the Castle des Monts Hotel in Agathe Lake. The building is owned by E. H. Dunham, of this city.—It is proposed to construct sewers on Parthenais street, from end of existing street northward.—Proposals are invited by the city clerk up to October 21st for erection of building for new electric pump at the high level pumping station.

TORONTO, ONT.-Within the past two weeks subscriptions amounting to upwards of \$10,000 have been received towards the proposed erection of a building for the Library and Museum of Knox College. Building operations will likely be commenced next spring.-The andra Palace Co., Limited, capital \$100, 000, has been incorporated, to erect an apartment house in this city. Dr. Oronhyatekha and W. W. Dunlop are interested.—The city engineer has recommended the construction of a new swing bridge over Keating's channel, at a cost of \$1,000, also the following local imof \$1,000, also the following local improvements: Brick pavement, Sherbourne street, Front to Esplanade, cost \$3,980. Cedar block, Dundas street, Lansdowne to Bloor, cost \$11,495; Robinson street, Palmerston to Euclid avenue, cost \$700. Tar macadam, Saulavenue, cost \$700. Tar macadam, Saulter street, Queen to point 835 feet south, cost \$4,240. Cement concrete sidewalks, Phoebe street, south side, Soho to Spadina, cost \$548; Morris street, north side, Huron to Spadina, cost \$354; King street, north side, Princess to point 39 feet east, cost \$136; Vanauley street, Queen to point 800 feet north and to Grange avenue, cost \$1,569; Vanauley street west, cost \$1,577; Richmond, south, Widmer to Peter, cost \$448; Victoria west, Queen to point 317 feet south of Gould, cost \$2,370; St. Patrick, north, McCaul to Beverley, cost \$530; Sack-McCaul to Beverley, cost \$530; Sack-ville east, Queen to Gerrard, cost \$2,171; Margueretta street east, Queen to Gerrard, cost \$1,330; Booth avenue, east, Queen to Eastern avenue, cost \$1,453. The council has given notice of its intention to construct the following works: Brick pavement on Drummond place, from Adelaide street to 198 feet north, cost \$1,120; tile pipe sewer on Wallace avenue, from Dufferin street west, cost \$2,220; on Barton ave. Howland to Albany, cost \$620; on Macdonnell, from point 134 feet north of Wright avenue to point 144 feet further north, cost \$250; cement concrete sidewalks on Langley avenue, from Broadview to Logan, cost \$1,546; Cimeron street, Queen street to

The

Dominion Securities

Corporation, Limited 26 King St. E., TORONTO.

Highest market prices paid for

MUNICIPAL DEBENTURES

835 feet north, cost \$735; Duke street, Ontario to Berkeley, cost \$669; Brooke avenue, Logan to Howland, cost \$678; avenue, Logan to Howland, cost \$678; Dovercourt road, Queen street to point 869 feet south, cost \$552; Spadina Crescent, Russell street to Spadina avenue, cost \$316.—F. H. Herbert, architect, desires tenders by 4 p.m. of Saturday next for all trades except heating for erection of five-storey factory building, 180 x 52 feet, on Lombard street, for the Toronto Brass Mfg. Co. and the National 180 x 52 feet, on Lombard Sirect, for the Toronto Brass Mfg. Co. and the National Cash Register Co. — Building permits have been granted as follows: J. O. Patterson, brick dwelling, 215 St. Batrick street, cost \$3,000; Bank of Hamil on, three-storey and basement bank, store and office building, of brick and stone, corner Queen street and Spadina avenue, cost \$50,000; T. F. Robertson, pair of brick dwellings, Delaware avenue, cost \$3,600; W. H. Williams, pair of brick dwellings, 34 and 36 Waimer road, cost \$6,000; W. D. Hodgson, pair brick dwellings, 49 Albany avenue, cost \$3,300; A. Pollard, brick store, Delaware avenue, cost \$4,500; F. D. Manchee, brick store, A. Pollard, orick store, Delaware avenue, cost \$4,500; F. D. Manchee, brick store, Scarth road, near South Drive, cost \$7,000; C. E. Trovite, dwelling, Galt avenue, cost \$1,200; C. M. Lelland, pair dwellings, corner Bathurst street and Rosberg ave, cost \$6,000; R. F. Howland, brick dwelling, 242 Rasholme road, cost \$2,800; Hillock & Co.. factory, 152 George street, cost \$6,000; F. Capp, dwelling, Ashort avenue, cost \$1,500; George street, cost \$6,000; F. Capp, dwelling, Ashport avenue, cost \$1,500; Redford & Co., pair dwellings, Lenty avenue, Kew Beach, cost \$2,000; H. Wood, dwelling, Crawford street, cost \$2,000; R. McDow, dwelling, 3r8 Davenport road, cost \$1,800; M. C. Ellis, brick dwelling, 15 Elm avenue, cost \$15,000, M. T. Evans, brick dwelling, Brunswick avenue, cost \$4,800.

FIRES.

Saw mill of Peter Sayer in Nassageweya, near Brockville, Ont.—Granary of William Thompson at Oak Lake, Man.
—Factory of the Goderich Organ Co.,
Goderich, Ont., totally destroyed; loss about \$50,000. — Residence of John Clowes at Upper Gagetown, N. B.

CONTRACTS AWARDED.

ALMONTE, ONT. — Skating and curling rink. John Donaldson, contractor; price about \$5,000.

NEWMARKET, ONT .- Addition to factory of Office Specialty Co.; Masonry, T. Hunter; carpenter work, James Benning.

BROCKVILLE, ONT. — Brown & Semple have secured contract for plumbing and heating the International Hotel, Gananoque.

FORT WILLIAM, ONT. — Hospital building: Brick work, M.H. Braden; carpenter work, A. H. Dale; plastering, R. Henderson.

GODERICH, ONT .- The offer of

THE GREY AND BRUCE PORTLAND **CEMENT COMPANY**

of Shallow Lake, Limited.

Manufacturers of

BRAND OF NEKUULED PORTLANDGEMENT

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

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

W. C. Brent, of Toronto, for purchase of \$11,000 town debentures, at \$10,891, has been accepted.

ST. JOHN, N. B. — Plumbing of summer residence of J. G. Gordon at Pollet River. Henry Dunbrack, this city, successful tenderer.

PETERBOROUGH, ONT. - Sewer on Smith street, Water street, and lane between Inverlea and Smith streets: John E. Hayes, successful tenderer.

HAMILTON, ONT.-Iron castings, Burrows, Stewart & Milne, successful tenderers, \$2.45 per 100 pounds; brick, Geo. E. Mills, \$6.90 per thousand.

WINNIPEG, MAN.—Stores on Alexander avenue for Wright & Stewart: Architect, J. Chisholm; masonry, Hodgins & Horner; carpenter work, A. C. Sutherland.

CHATHAM, ONT.—T. J. Rutley & Son have a cepted the following tenders for block for Mr. Baby: Carpentering, J. Finister; brick work, J. Oldershaw; plumbing and heating, Westman Bros., netallic work, Stephens & Douglas, painting, J. Tilt; plastering, R. Conner. Cooper.

VANCOUVER, B. C.— It is repoted that the Vancouver Power Co. have just awarded to the Westinghouse Electric &

A.E. AMES & CO.

BANKERS. 18 King Street Bast, TORONTO.

Buy and Sell

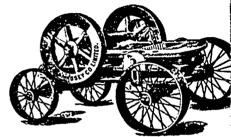
GOVERNMENT, RAILROAD and MUNICIPAL SECURITIES.

Mfg. Co., of Pittsburg, the contract for electrical apparatus for the Coquitlam Lake power development.—Two-storey and basement stone and brick block for D. B. Stevens: A. Adams, contractor.

MONTREAL, QUE.-W. E. Doran, architect, has awarded the contract for La Corona Hotel, on Guy street, to Jno. Quinlan & Co.; Wm. Strachan & Co., proprietors.

WINNIPEG, MAN .- Tenders for WINNIPEG, MAN.— Tenders for waterworks supplies, meters, etc., have been accepted as follows. Water pipe, Gartshore Thomson Pipe & Foundry Co., Hamilton, \$44 per ton; specials, ditto, 3½ cents per pound; sewer pipe, W. F. Lea, \$2,912; hydrants, Vulcan Iron Co., \$41.50 each; valves, Canada Foundry Co., Toronto; lead pipe, Jenkins & Hardy, Toronto, \$4.20 per 100

HIGH-GRADE MACHINERY



GOOD ROADS

Largest and most replete stock in Canada. Free catalogue.

Sawyer & Massey Co., Limited, HAMILTON, CANADA.

Portland Cements

Highest Grade

American, German, English and Belgian

DRAIN PIPES and Connections of all kinds. PAVII OF BRICKS, ENAMELLED BRICKS. FIRE BRICKS, FIRE CLAY, Etc., Etc. 🗈 🕉

F. HYDE & CO.,

31 Wellington Street

MONTREAL



PHA Portland Cement

Quality Unexcelled. The Recognized Standard American Brand Always Uniform. Best in the World for Sidewalks.

ALPHA PORTLAND CEMENT CO,
Manufacturers of but one grade—Strictly Straight Portland.

General Office: ALPHA, N. J.

Sole Canadian Sales Agents

HENDERSON & TAYLOR

203 Commissioners Street, MONTREAL

McGREGOR & McINTYRE,

65 to 73 Pearl Street, Toronto, Ont

STRUCTURAL IRON WORKS

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

MUNICIPAL DEBENTURES BOUGHT

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

pounds; meters, Hersey Mfg. Co., 225 ½ or 5% bronze rotary Hersey meters at \$13.00 each, with couplings complete; 25 ½ or 5% bronze disc meters at \$9.76 each; National Meter Co., 250 ½ or 5% Empire meters at \$12.50 each, 250 ½ Empire meters at \$12.50 each, 250 ½ Empire meters at \$18.75, 50 one-inch Empire meters at \$25.00 each; hardware for waterworks department, divided between Miller, Morse & Co. and James Robertson Co.; construction of sewer in Aikins street and Burrows avenue, Dobson & Jackson, \$1,544.60.

BIDS.

ST. CATHARINES, ONT. — The following tenders were submitted for construction of Carnegie library building: Newman Bros., \$31,000; John W. Carl, \$32,800; George Wilson & Co., \$33,000. For the completion of certain portions of the work the following tenders were received. S. D. Gourlay, metal work, skylights, plumbing, sewer and gas pipes, painting and finishing. \$3,817; W. E. Hudson, masonry, iron and steel work, painting, glazing and carpenter's work, \$28,590; Parnell & Bald, metal work and skylights, plumbing, sewer and gas pipes, heating and ventilation, \$3,784; Chaifield & Co., ditto, \$3,807; E. C. Nicnolson, excavating, stonework and cut stonework, brick and cement work, lathing, plastering and stucco work, carpenters and joiner's work, iron and steel work, glass and glazing, roofing, painting and furnishing, \$27,300, Martin Electric Supply Co., electric wiring, \$385, Chas. A. Southcott, best blue Queenston cut stone, \$11,249; Bedford Bowling Green Stone Co., (of Bowling Green, Kentucky) all cut stone required, including four courses rock-faced ashlar and water table, all cut ready to set, f. o. b. cars here, \$9,079. Or, all cut stone rimmings above the water-table, f. o. b. cars here, \$6,790.

BUSINESS NOTES.

The stock and chattels of the Brockville Pressed Brick and Tile Company, of Brockville, Ont., were disposed of by auction last week for \$400. G. Brown purchased the stock of manufactured bricks, amounting to 50,000.

E. R. C. Clarkson, assignee, 33 Scott street, Toronto, is asking for tenders up to October 20th for the purchase of the contracting plant belonging to the estate of W. J. Hill and situate in Sault Ste. Marie, Ont. The plant consists of trushers, mixers, engines, boilers, derricks, pile-driver, pumps, etc., and is ralued at \$12,000.

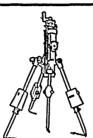
DEBENTURES

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.

TORONTO



Here you're face to face with the Empire Rock Drill, which is the best for municipal excavations.

Catalogue and full particulars mailed on application

T. A. MORRISON & CO., 202 St James St, Montreal.

GEO. L. CRIFFITH, C.E.

Mem. Dom. Inst. Amal. Eng.; Mem. Can. Min. Inst.

Municipal Engineering in General.

Waterworks, Sewerage and Sewage
Disposal, Street Railways, Concrete
Pavements, Concrete Steel Bridges,
Drainage and Irrigation. Water Power
Development, Reports, Plans, Specifications, Batimates, Construction.

General Instrumental Surveys undertaken for Public Works of every description, Bank of Hamilton Chambers, Winnipeg, Man. Now Ready—Third Edition

CANADIAN CONTRACTOR'S HAND-BOOK AND ESTIMATOR.

The third edition of the Canadian Contractor's Hand Book has been published and is now on sale. The book has been revised and enlarged to upwords of two hundred pages, and the title changed to the Canadian Contractor's Hand-Book and Estimator, considerable matter bearing upon the cost of performing various kinds of work having been added.

The price of the third edition, mailed free, is \$1.00 to subscribers of the CANA-DIAN ARCHITECT AND BUILDER, and \$1.50 to non-subscribers. Order from the publishers,

The C. H. Mortimer Publishing Co., of
Toronto, Limited
Confederation Life Bldg., Toronto

JOSSON CEMENT ... Manufactured at...

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. MONTRBAL

The Rotary Man Power Concrete Mixer



Capacity five cubic yards per hour.

Continuous in Action.

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

E. F. DARTNELL,

Sales Agent.

180 St. James Street.
Montreal.

The Canadian Bridge Co., Limited

WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

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

PERFECTION STEEL-CLAD AND BRICK SET INCINERATORS

MANUPACTURED 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 SOLDER

Syracuse Smelting Works, Montreal, P.Q.

STONE

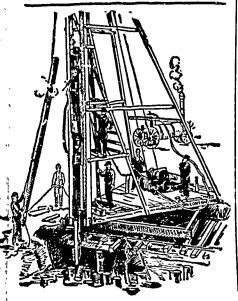
SIDEWALKS A SPECIALTY

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

The Silica Barutic Stone Company of Ontarlo, Limited.

WALTER MILLS General Manager.

Mead office:



Portable Boilers Hoisting Engines Pumping Machinery

TO LET

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

WM. HOOD & SUN 10 Richmond Sq. MONTREAL |

PORTLAND CEMENT

Samson Brand

Magnet Brand

MADE AT SHALLOW LAKE, ONTARIO

Our celebrated SAMSON BRAND has been before the public for many years, and har made hosts of friends among Contractors and Municipal Corporations until it has become one of the leading Cements on the market today, being excelled by none. This year we have decided to place the MAGNET on the market, and respectfully ask consumers to give it a trial. It will, we think, do its own advertising.

Correspondence invited.

GEO. S. KILBOURN, Secretary-Treasurer.

WORKS: Shallow Lake, Ont.

HEAD OFFICE: Owen Sound, Ont.

CANADIAN PORTLAND CEMENT CON Manufacture "RATHBUN'S STAR

The Leading Canadian Portland Cement.

Gapacity of Works: 500,000 Barrels Per Year.

SALES AGENTS

7 he RATHBUN CO. 310-3.2 Front Street West, TORONIO, ONT.

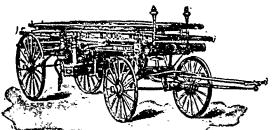
St. Lawrence Portland Cement Co. 2664 Notre Dame Street West, MONTREA, QUE

bination Hose Wagons and Chemical Engines, Hose

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

LIGHTNESS, STRENGTH AND EGONOMY

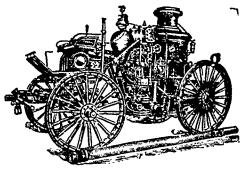
Seagrave Patent Trussed Ladders, Trussed Aerial, City Service and Village,
Hook and Laddder Trucks, Combination Hook and Ladder Trucks and Chemical
Engines, Trussed Trucks
and Hand Pumps, ComLight Ladder Trucks and Chemical
Engines, Trussed Trucks
and Hand Pumps, ComLight Ladder Trucks and Chemical
Engines, Trussed Trucks
and Hand Pumps, ComLight Ladder Trucks and Chemical
Engines, Trussed Trucks
and Hand Pumps, ComLight Ladder Trucks and Chemical
Engines, Trussed Trucks
and Hand Pumps, ComLight Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines, Trussed Aerial, City Service and Village,
Ladder Trucks and Chemical
Engines Aerial Ae



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

ong Distance Phones 686 and 684

W. E. SEAGRAVE, WALKERVILLE, ONT.



FIRE APPARATUS

ing Tools.

ROAD MACHINERY

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

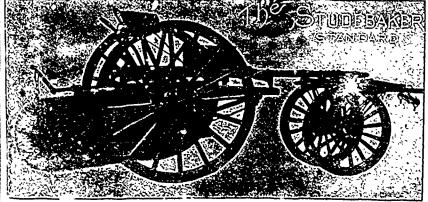
We Rebuild other makes of Fire Engines with our patent Boiler.

BRANTFORD PITTS DOUBLE ENGINE STEAM ROAD ROLLER

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

WATEROUS, Brantford, Canada.

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



Patent Improved Street Sweeping Machine is the Standard of Portfection

Because no sweeper so effectually does the work for which it is designed as "The Studebaker.'

It Sweeps Clean. No sweeper is constructed with the same degree of care and mechanical p. ccuston. It Wears Well. "The Studebaker" has the smallest possible number of working parts, and has beaung than any other sweeper made. It is free from allnuestecessary compations. With reasonable care does not get out of order. Send for completee descriptive catalogue



Studebaker Sprinkler

(FATENT IMPROVED.)

Do s not clog or get out of order. Greatest width of spra

Can be graded from driver's scattto any volume.

IMPROVED VERTICAL SPRAY

Geo. Hearran, Mnfr., London, O.

SAFE LOAD FOR PILES.

A test of the safe load for piles was made a few years ago at New Quay, Royal Victoria Dock, London, which has been described in "Engineering." The piles driven in some of the work at that place when 36 to 38 feet in the ground were found to respond to the blows of the hammer more than had been expected. A test was accordingly made of one which had been going at the rate of 214 inches to four 8-foot blows of an 1,800-pound monkey. The pile was of pitch pine 36 feet in length below the cut-off and 121/2x-111/2 inches in cross section. The head of the pile was loaded with steel joists weighing 56.8 pounds per foot. A small indicator was arranged just above the level of the ground to record the deflection, which was as follows:

At the end of this time there was no further deflection. On the load being removed the pile rose 3-16 inch, showing that a great deal of the deflection was due to the fibers of the timber being put in compression.

The twelfth annual convention of the Association of Railway Superintendents of Bridges and Buildings will be held at Minneapolis October 21 to 23. S. F. Patterson, of Concord, N.H., is secretary.

HE GRESGENT CONGRETE PAVING GO. Contractors for all branches of

CONCRETE WORK

77 Victoria Street, TORONTO

/ards 133-135 Wellington St West Phone Main 1649.

Ernest G. Hopson Member Boston Society Civil Engineers.

aterworks, Sewerage. Power Development, Structural Design.

REPORTS, DESIGNS, SURVEYS AND

SUPERVISION.

ffices: 56 Barrington Street, Halifax, N. S. Commercial Bank Bldg, Sydney, C. B.



In Exeavating in rock for sewers, gas or water mains, use our

ROCK DRILLS

CANADIAN AND DRILL CO., Sherbrooke & Montreal, Que.

Dominion **Bridge**

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

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

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



PORTLAND GEMENT

Sewer Pipes Fire Bricks Fire Clay

BREMNER

50 Bleuru Street, MONTREAL



Sewers

mad

lo

CULVERTS

AND

WATER PIPES, INVERTS

FOR Brick Sewers

Write for Discounts TORONTO

Pumps for Waterworks

Waterworks Systems Installed

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

Steam Boilers and **Filters**

Write for Prices and Particulars

The John McDougall

CALEDONIAN IRON WORKS CO., LIMITED MONTREAL, P.O. MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

WILLIS CHIPMAN

Hon. Grad. McGill University.

Can. Sec. C.E. M. Am. Soc. C.E.

Mem. Am. W.W. A. n.

PATERWORKS, SEWERAGE WORKS, GAS

WORKS, ELECTRIC LIGHT AND

POWER PLANTS

Resorts, Surveys Construction, Valuations

103 BAY STREET - TORONTO

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

CONSULTING ENGINEER

Waterworks, Sewerage and Sewage Disposal. Municipal Improvements. Granolithic Pavencents. Electric Light PLants. Drainage and Irrigation of Land. Coll Handling Plant and Machinery. Plants, Specifications and Estimates. Construction and Valuations.

unada Life Building - TORONTO

loderi**c**k J. Parke im, Can, Soc. C.E., A.M Amer. Inst. E.E

CONSULTING ENGINEER

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

relations, TORONTO, CANADA
Celephones Coffice—Long Distance Main 3047
Residence-Long Distance North 2204
Telegraphic address: "Rodparke."
W. U. Code, Univ. Edition.

m. Mahlon Davis

Graduate R. M. College. Can. Soc. C. E. Ont Land Surveyor.

CONSULTING ENGINEER

BERLIN, ONT.

rks, Sewerage Sewage Disposal under The Municipal Act, Roadways.

G. McNeill Thompson CONSULTING ENGINEER

M. Can. Soc. C. R. M. Am. Soc. C. E. M. Am. Soc. C. E. Diraction of Works, Reports, Water Power Development, &c., &c.

ĜATHAR+NES, ONTARIO

ROSS & HOLGATE

nsulting and Supervising Engineers

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

t. Ben st. INTON BLDG.

MONTRBAL

sifcival W. St. George

em. Inst. C. E. London, England. Mem. Can. Soc. C. E.

30NSULTING ENGINEER Rathway, Sewerage, Water, Hydraulic, Expert and Arbitrations, &c.

E TELEPHONE BLDG. MONTRBAL. Telephone, Main 4717.

AMES C. KENNEDY

MEM. CAN. SOC. C.E.

Reports, Supervision, Con-Arigciion, Dams, Water-Paver Development, Water Works, Sewerage, Foundaa**da**s, &c.

▶ ®0x 710,

OWEN SOUND, ONT.

mention THE CONTRACT RECORD ien corresponding with advertisers.

THE PHOENIX BRIDGE & IRON WORKS,

MONTREAL

CENERAL STEEL CONTRACTORS

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

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC AND ARTIFICIAL STONE SIDEWALKS.

Sewer Pipes,

Best English Cements. Best Belgian Cements

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

345 St. James St., Montreal Importers of

SEWER PIPES.

CULVERT PIPES, ETC.

VENT LININGS,

Flue Covers,

FIRE BRICKS. FIRE CLAY,

WHITING.



GERMAN BELGIAN

PLASTER OF PARIS

Borax,

CHINA CLAY.

SMITH CONICAL **CONGRETE** MIXER

18

Different

Sizes and Mixes in Batches. Discharges by Tilting while Running. Mounted on Skids or Trucks. Catalogue on Application.

– SOLE CANADIAN AGENTS –

W. H. C. Mussen & Co., 763 Graig St., MONTREAL

GANADIAN CONTRACTORS HAND BOOK

Estimator

Thi d Edition

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

SEND FOR A COPY

C. H Mortimer Publishing Co.

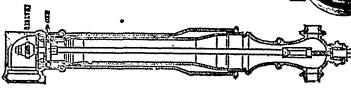
The KERR ENGINE GOMPANY, Limited

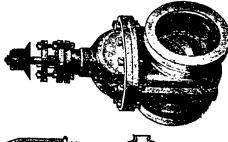
PUMPING MACHINERY HYDRANTS and **VALVES**

Are our Specialty

Don't fail to write us for Catalogue and prices.

WALKERVILLE, ONTARIO





DISPOSAL OF REFUSE.

The Municipal Journal and Engineer tells of a combined refuse destructor and electric generator works in use in London which not, only gets rid of the city refuse but turns it to economic account. In the electric station are two steam sets of 100 kilowatts at about 500 volts, a booster, and a storage battery. After the gases produced by the refuse leave the furnaces, they pass through a combustion chamber in which most of the dust settles and then through the boiler flues and regenerator into the chimney. The normal capacity of each furnace is one ton per hour, but this can be doubled if necessary. The maximum load on the station is eighty kilowatts. which can be easily maintained by the consumption of two tons of refuse per hour. Only two stokers and a trimmer are required, and a ton per hour for each stoker is easy firing. The maximum output in kilowatt hours per ton averages 35. The plant is only kept in operation six or seven hours per day, so that the best results are not obtained. In the boiler-room are two 30-foot Lancashire boilers, adapted for coal firing, which are only used when there is an insufficient supply of refuse. There is no smoke or dust from the chimney nor any odor in the vicinity. What a waste of fuel is going on in the refuse burners of our cities. Large institutions, instead of burning up hundreds of tons of coal, might be heated and supplied with power from the refuse which they now find it hard to get rid of.

WESTERN ONTARIO GOOD ROADS ASSOCIATION.

At the recent Toronto Industrial Exhibition, the Western Ontario Good Roads Association was formed. The constitution and by-laws are as follows:

- This Association shall be called the Western Ontario Good Roads Association.
- The objects of the Association are as follows:
- (a) To bring the question of good roads up for discussion in every way possible throughout the various municipalities of Western Ontario.
- (b) To organize and hold meetings at central points in the counties of Ontario west of Kingston, at which the various county and municipal representatives will be able to meet, discuss and form intelligent decisions on questions pertaining to the improved construction and manage-ment of roads.
- (c) To assist in every way possible in having the Statute Labor question discussed and considered before the rate-payers, with the object of having it finally commuted or abolished and a more sys-tematic and permanent system of read management adopted.
- (d) To hold an annual large central convention at some point in Western Ontario.
- (e) To assist in securing and disseminating information pertaining to the construction of permanent roads.

Officers were elected as follows: President, George Gero, warden of the county of Ontario; vice-presidents, the wardens of all the counties in the territory of the Association; secretary-vreasurer, J. E. Farwell, Whitby, clerk of the county of Ontario: executive committee, the officers and the chairman of the roads and bridges committees of all county councils. The membership is to consist of the president, ex-presidents, executive officers, members of municipal councils, persons appointed by municipal councils, and such others as may be elected members and subscribe to the constitution, provided that no county shall have more delegates than two for each township.

It having been pointed out by some of those present that the act was in some respects unsatisfactory, a committee was ap, pointed to report to the executive committee such changes in legislation as seem necessary in order that advantages may be taken by the province of the Legislative grant for good roads, the executive committee to take such action as they deem best.

The annual meeting of the Association wss fixed for the second Tuesday of the Toronto Industrial Exhibition.

The city council of Houston, Texas, having read of the experiments being made in Paris, France, with glass as a paving material, has decided to give it a trial, provided it proves equal to the The claims advanced in its behalf. French inventor has a method of toughening the glass so that it is not easily broken and the pavement is described as smooth, clean, non-slippery and impervious to Houston being conveniently located to large beds of fine glass sand, at the mouth of San Jacinto river, can obtain the requisite materials for a superior article of glass at minimum expense and is anxious to make the experiment. Results will be watched with interest. It should make a durable pavement, with little expense for repairs.

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

JOHN GALT, G. E. & M.

MEM. CAN. SOC. C.E. AND C.E.A., ETC. CONSULTING ENGINEER and EXPLI-

ROOM 12, ABERDEEN CHAMBIRS. Cor. Victoria and Toront;

Specialties - Water Supply and Sewerage.

WATERWORKS PUMPS

Municipalities contemplatin the installation of waterwork pumps will find it to the advantage to investigate ou pumps—both as to cost an service.

Northey pumps are givin satisfaction under all sorts (conditions in scores of town in Canada.

WE MAKE

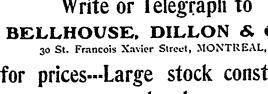
Lumbing

Write or telegraph and wi will send a representative to you to make a personal in spection.

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

Company Limited, Foronto

Portland Cement..



Write or Telegraph to BELLHOUSE, DILLON & CO.,

for prices---Large stock constantly on hand.

BELLHOUSE, DILLON & CO., 30 St Francois Navier St., Montreal

DYCKBRHOFF " and "WHITE CROSS"

NORTH'S GONDOR" BRAND AWARDED FIRST PRIZE AND GOLD MEDAL AT THE ANTWERP EXHIBITICAL

&M.

XPD

70r}-

the **0**U

in

1e ori

Canada Foundry Co., Limited

Head Offices and Works: TORONTO, ONT.

CAST IRON PIPE FOR WATER OR CAS



Special Castings, Tees, Crosses, Flange Pipe, Valves, Hydrants, Stand Pipes, Valve Boxes, Drinking and Ornamental Fountains

District Offices .

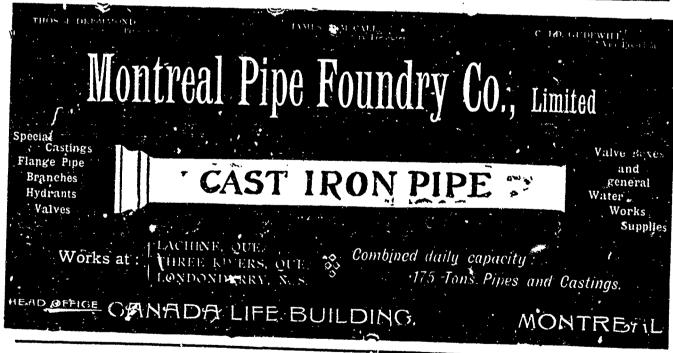
MONTREAL

HALIFAX

WINNIPEG

VANCOUVER

ROSSLAND



ALEX. GARTSHORE, President. J. G. ALLAN, Secretary and Treasurer. JAS. THOMSON, Vice-President and General Manager. THE CARTSHORE-THOMSON PIPE & FOUNDRY CO.

Manufacturers of:::

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

3 inches to 60 inches diameter.

GASTIRON PIPE

For Water, Gas, Culvert and Sewer HAMILTON, ONT.

Marie Colored

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 TEIRES, MONTREAL

BEATTY & SONS

WELLAND, ONT.

Dredges, Ditchers, Derricks and Steam Shovels

of various styles and sizes to suit any work.

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

Prices of Building Materials.

PRESSED BRICK, Per M. MILTON PRESSED BRICK AND SEWER PIPE CO.

	P.O.B. Milton, Ont.	F.O.B. Montreal
Red No. 1	\$12 50	\$1800
2	10 50	16 00
. 3	R ea	14 00
Bun No. 1	15 00	20 00
. 24444444444	1200	18 50
		25.50
Noman Red		30 50
. 4944		33 50
DIOWIL	****	40 50
maru building	6 60	12 00
ocwers	**** 6 50	12 00
" Backing	600	XX 50
DON VALLEY PRESSE	D BRICK WORK	٠.
Nos 1, 2 and 2 Red Present	Deinka	
NOS. 1 and 2 Bull Present D	l riok	_ '& \& \
IVO. I Drown Pressed Reick.		. 655
Pompeisan Red, 'uff and Bros	on Pressed Brick	
Pompeisan Red, Utiliand Brow Ornamental Bricks of all kind	s for Mantel per	to head office.
poses. dorous Terra Cotta Bri ks for		
Jorous Terra Cotta Rei be for	r lining	. 55.

Virined Street-Paving Bricks Se ni-Vitrified Foundation Bri ks Common Stock Red and Grey Bricks Sower Bricks Common Stock Red and Grey Bricks TORONTO PERSSED BRICK AND TERRA COT F.O.B. Milton, Ont.	DA Please wr
Ked No. 1 12 50	78 co
2**************************************	1600
Buff No. 1 8 50	74 OO
2	20.00

D-4 M-	,,	
Red No. 1	12 50	28 co
**************	- 10 50	16 co
Ref No.	. 850	14 00
Buff No. 1	15 00	20.00
		18 Sc
Brown Pad	. 20 00	25 50
Roman Red	. 30 oo	30 50
		33 50
		40 50
		1200
Sewers	. 650	12 00
		22 50
Moulded and Ornamental from S	2.00 to \$5 (PO DOT 173.
Szee per fa. rus.	Fr cze, m	m soc. to
Cosing Tiles, \$20.00 per 1,000, \$	25.00 Mont	real.

EAMSVILLE BRICK AN	TERRA COT	TA CO.
	F.O.B.	P.O.R.
Red Peerless Facing.	···-\$15 00	\$20 50
		28 50 75 50
Ren n Pecrloss F cing	8 50	14 00
		25 50
		25 50 25 50
" No a	150)	23 50
MOUICCUAN! Ornamental B :	a (Sio per C:
		33 50
Brewn "	- 3400	33 50 39 50
till nod Pavin Bine No. t.,	1300	#3 50
Sewer Roof # Tile	6 (0	20 50
Room P Tile	*** 33 00	25 00
STON	E	
Common Rubble, per touse, delivered	Toronto.	Montreal
CONTACTER **********	12.00	

Sewer	the not rate one no. t	12 co	#3 50
Read w Tile	C	` .00	20 50
STONE. Comm. n Rubble, per touse, delivered			
Comm. n Rubble, per touse, delivered 1200 1200 1200 1200 1200 1200 1200 120	KOND P INC	33 00	
Comm n Rubble, per touse, delivered		-	
delivered			
Large flat Rubble, per tosse, delivered	COMME IS CHOOSE, PET TORE.	oronto.	Montreal
Foundati in Blocks, per c. ft. Granite (Stantead) Ashlar, 6 in. to sain., rise onn., per ft. Amherst Red Sandstone Amherst N.S., per cab. ft. Sackville, N B., brownstone Masulton. Stanstead ranite paving blocks, Sin. t vs in.x6 in. x4 M in. per M Granite curbing stees, C in.x Bo in. per lineal foot	Large flat Rubble, per touse.	1300	11 00
Granite (Stanstead) Ashlar, 6 in. to rain., rise oin., per ft. Amherst. Red. Sandstone Amherst. N.S., per calb. ft. Sackville. N.B., brown stone Massilon. Stanstead, Tranite paving blocks, 5 in. t vs in.x6 in. x4½ in. per M	geliacieg	14 00	28 co
Stantice of Ashler, 6 in. to spin, just on, perfe, Amherst Red Sandstone Amherst N.S., per cab. ft. Sackwille, N.B., brown stone Stanticed ranite paving blocks, 5 in.t vs in.x6 in. x4 % in. per M. se in. per lineal foot.	roundati in Blocks, per c. ft.	30	
in. to rain., rise oin., per ft. Amherst Red Sandstone Amherst N.S., per cab. ft. Seckville. NB., brown stone Massilon	Giantic (Stansicad) Ashlar, 6		20
Amherst Red Sandstone Amherst N.S., per cab. ft. Sackville, N.B., brownstone Sackville, N.B., brownstone Stanstead ramite paving blocks, Sin.t vs in.x6 in. x4% in. per M. So co grante curbing stone, 6 in.x so in. per lineal foot.	ID. to in in. rise oin., per fr.		
Amherst N.S., percall ft. Sackwille, N.B., brownstone Masillon	Amherst Red Sandstone		32
Manilon	Attherst. N.S., per cub. ft.	2.	
Manilon 30 00 Stanzie ad ranite paving blocks, Sin.t vs in.x6 in. x4% in. per M. 50 00 Grante curbing stone, 6 in.x so in. per lineal foot.	SALETHIC, N. H., BYAWA PIANA		
Stanteau Tante paving blocks, 5 in. 1 s in. 6 in. 14 in. per M	Masilion.		75
blocks, Sin. t sain.x6 in. x4½ in. per M	Stankicad Transfe review	30 00	
Grante curbing stone, 6 in.x	blocks, Sin.t vain.x6 in.		
no in. per lineal foot	_ M% id. per M		
17 martine 1 - 1717 - 172	Granite Curbing stone, Cin.x		20 ₩
	an in. per lineal foot		
	Buctouche Olive Freest me.	V C	
Clive Sandstone (andiantown, N.H.) R.	Olive Sandstone (andiantown, N. It)	20	
Brown " (Sackville, N.P.). Fo	Brown " (Sackville, N.P.)		74

INDEX TO ADVERTISEMENTS

Architects.
Ontario Directory111 Ouebec Directory111
Architectural Roules
tors and Carvers.
Holbrook & Molling.

Work.
Canada Foundry Co 144
Dominion Bridge Co. I Geo. B Meadows Co xvi
Bells and Clocks. Mencely & Co xiii
Bridges.
Capalian Mila-

Canadian Bridge	
Company.	. 142
Company Dominion Bridge Co	
Hamilton Bridge	• •
THE DRUGE	
Works Co	ΙV
Builders' Suppli	
Alabara Suppli	cs
Alabas ine Co	. I
Luxfer Prism Co.,	
Limited	
Managed Ville	XΥ
Montreal Directory.	XYI

Ontario Lime Associa	×۷.
tion	χv
Robertson & Co D Rice Lewis & Sou	iv
Toronto Directory	Xvi
Building Stone	
Dealers.	
Ambient Red Sease	

Dealers.
Amherst Red Stone
Quarry Co.
Quarry Co
Cracheter Course
Crookston Quarries
Bro ie Jas
Heod & Son
Kline John
Kline John
Rober en & Co , D
Silex Stone Quarries
Co Stone Chaines
Co
Sackvi le Free Stone
Co.,

Co
Sackvi le Free Stone
Samuel & S ns, Thos. i
Samuel & S ns, Thos. i
Builders' Hard.
ware.
Aikenhead Hardwate
Co ix

Pice Lewis & Son. 1
Vokes Hardware Co. x
Bricks.
American I nameled
Brick & Tile Co
Peamsville Brick &
Terre Cotta Co I
Lon Valley Brick
won valley Brick
Works 14
Toronto Pressed Brick &
Terra Cotta Co 11
Milton Brick Co 14
O
Ceme t Blo ks.
Cement Block Ma.

Brick & Tile Co i Peamsville Brick & Terra Cotta Co II Lon Valley Brick Works	Robertson & Co
Raven Lake Cement Co xi	Mail Chutes. The Cutl- Mfg Co.
Moat red sandstone, per cu	Toronto. Montres
Black Parture buff stone, p. Nova Scotia blue grey, per Coursers 4 in. to ' in. bed, St. Mary's, per cord	er cu. fi cu. fi

Not referred	oronto. Montreal
	So 65
DIACK FAILURE DUIT STORE DATE: 5	
ATUVE OCCUR DISSE CREEK THE CH. A.	<u> </u>
	65
Footing all and corting	4 0 0 00
Footing, 21/2 to 3 in. wi e. 6 in.	
thick, per running foot	7
make plone, to to in thick	•
1.0.0. St. Mary's per cond X	~
	9 %
6 in. to 2 in., rise 9 in., pr ft.	
Dimension Stock Grani e. (Lan -	25
mondon Street Grani e, (Lan.	-
entian Pink) for building pur-	
	••
AVA. IUT I GLADING PRITTAGES CO. C.	40
2 tons weight, per cubic foot	
0 77- 1-00000	P A D T 70
Dimension stock granite for build-	P.O.B. Halifax.
incommer manufactor build.	
Do, for polishing purposes, up to 2	\$0.50
wo, for possesting perposes, up to a	***
- was weight, her cubic foot	1 (4)
Paving sets, per thousand block	
	60 04
CREDIT VALLEY STO	
Datus	.O.B. Quarries.
Brown Coursing, up to 10	50

Datus	2.0.B. Quarrie
Rubble, per toa	- (
DIOWN COURIDG, unio 10	
DCI SUD, Vand	
Ster Courses and the Court	. (
Grey Coursing, per sup. yard	1 :
And Checumon ber Cop. II	•
SLATE.	Toront- Manage
Rochng (Viguari).	Toronto. Montre:
" red	
n purple	850 -0
-Ling green	len am a
n'ach	4. 1 4.
A CIDA LISTER TE PROPER	
Orgamental Black Slate Roof	
The state of the s	mg 750 68
PORTLAND	OEMENT.
E-1-1/1821-	*
Brook's Shoobridge Brand	
Excelsion Prand	300 31
Belgian	_ 31,
Excipitati ne	•
"Josson" Brand	ಾನ್ತೆ ತಿರಿ೦ ಇನಿ೦ ಇನಿ
"NOTION CARGOS	
OF DILL & TOKE OF	
AVCKCTRON	37S I &
Atlas.	3 20 3 40
Hammer	750 26
Part Care View	क्ष ^क करे
Red Cross Brand	

Plant ory	Maniels, Grates, and Tiles.
IV	Holbrook& Mollington
land	Rice Lewis & SonIV

Contractors' Plant and Hachinery Rice Lewis & Son IV Coments. Owen Sound Portland Cement Co III The Rathbun Co vii Creosote Stains Cabot Samuel ix Canada Paint Co 141 Zanzibar Paint Co iv Elocators Fensom, John I Mall xh & Co I Mall xh & Co i	Maniels, Grate, and Tiles. And Tiles. Holbrook Mollingtor Rice Lewis & Son Moulding. Roynton & Co Decorators' Supp y Co S. Knechtel Wood Turi ing Co Mortar Coiors an Skingle Stains. Cabot, Samul Michael, Andrew.
Miller Bros & Toms. viii Turnbull & Russell ColV	Zanzibar Paint Co :
	()mm

is Elevato Co I	
fall xh & Co	
liller Bros & Tome viii	
umball & Russell Calv	
Villiams & Wilson II	
Ragegness	
an. Photo-Eng Bu-	
a moto tout 1964	

	- 16
Fire - Proof Door	-8,
Etc.	
Canad an Fire-Proof	
Door and Shutter	
Co	v
Folding Partition	
Springer, O. T.	8.
springer, U. T.	11

Springer, O. T II
Grilles and
Railings. Dennis Wire & Iron
Co viii Geo. B. Meadows Co xvi
Gransto

Co	viii
Geo. B. Meadows Co	a vi
Granste	
Branet, Jos	vii
2,222, 100	VII
Heating,	
Clare Br s. & Co.	×
D ding Bros	iii
Ou sey, Ti den Co.	- 66
Ives & Ca	vi
James Smart	V
Mig. Ca	iv
Orms by & Co., A. B	14
Posts F. & Co., A. B.	.1
Pease Furnace Co	CIV
Interior Decorati	on
A -1	

į
civ
223
7
:::
iv
í-
11
vi
iv
I
v

a ziv	Plumber
	L'ennoer!
rchi-	Montreal Director
	Toronto Pirectory
111	doofers
	Campbell & Gilda
ie.	Sumbout & Gray
	Duth'e & Sons, G
. xvi	Douglas B S.
. iv	Forbes Ro fing Co
	Coroca vo nus Co
	Nicholson & C
11	Rennie & S n. Re
in'y	Dimshi & Ca. A
"	man & Cr. A
ı. xiii	Rin, ham George
XIII	Stewart & C W.
. ix	William
	William & Co., 1
. Xiii	Rubber Tilia
	C
••	Cutta Percha Rub
. ii	Co
. 1	Reflectors
. I	Frink I P
	.,

;	Zanzibar Paint Co xi
ı	Ornamental Iron Work,
	Dennis Wingston C.
i	Watson J hn.
	Ornamental Plaster
	Hynes, W Jxii
	Painters. Montreal Directory xv
	Toronto Directory. xy
	Prisms.
	Luxfer Prism Co.,
	Dilliana XV
	Globe Paint Co. Xiii
	Im crist l'er ich a
	CirCo 142
	Muirhead, Andrew
	Zanzibar Paint Co xiv
	Parquetry Floors Elliott & Son Co viii
	Plate Glass
	Filkington Rea
	I DE LORSO liderad Dis.
	Glass Co II
	Co. Plate Glass
	Plembana
	Montreal Disease
	Totolito / Hectory Avi
	.fantama
	Campbell & Gilday xvi Duth'c & Sons, G xvi
	Douglas &
	Forbes Ro fing Co xvi
	Renais & C. D xvi
	Douglas B s xvi Douglas B s xvi Forbes Ro fing Co xvi Ficholson & C - D xvi Rennie & S n, Rebt xvi Ormshv & C v. A B, Rin, ham George, xvi
	Rin, ham George. xvi
	Rin, ham George xvi Stewart & C W.T. xvi William & Co., H xvi
	Public may
	Rubber Tiling.
	Co

Maniels, Grates,	Rooting Materia
and Tiles.	Canada Supply Co. xi
Holbrook&Mollington i Rice Lewis & SonIV	Ormsby & Co A B Metallic Roofing Co.
Moulding.	Philip Carey Mfg Ca vi Roofers Supply Co. I Zanzibar Paint Co. x
Demonstratings,	Roofers Supply Co. 1
Roynton & Co	Zanzibar Paint Co xi
Decorators' Supp y	Sa h Cord.

	Roofers Supply Co I Zanzibar Paint Co xi
	Zanzibar Paint Co xi
	Sa h Cord.
×iii	Samson Cordage Works
. 11	Slate
nđ L	Steinberger H ndry
. ix	Stained and Decora

tivo Alass	
Bloomfield & Son.	
Henry	٧
Horwood & Sons, H.	٧
Ma key Stained Glass	5
Co	· v
McKenzie's Stained	
Glass Works	v
Pilkington Bros.	ī ti
Qo en City Pla e	
Glass Co.	riii
St George, H. F.	~;;
The Robert Mc Caus.	•
and Stained Glass	
Co	
	٧
Sanitary Suppli	cs -

The Comment Contract	•
Co	١.
Sanitary Suppl	
James Morrison Brass	
Co Co	٠.
Co	343
Shingles and Side	n.,
Metallic Roofing Co.	7
Urmshy & Co A D	
Roofers Supply Co	٠.؛
Modicis Supply Co	11
_ Soil Pipa	
Toronto Founder Co	77

Kooters Supply Co	1
Soil Pipe.	
Toronto Foundry Co.	I
Sash Look.	•
A. W. Adams.	,
Tubing and	•
Fittings	
Richmondt Conduit	
THE PROPERTY OF MODILE	

Ca	i
Tiles.	•
American Enameled	
Brick & Tile Co	
Holbrook & Mollington	2
School and Ohurch	•
Cul Eugniture.	
Globe Furniture	
Can. Office & School	•
Furniture Co I	
Veners.	•
Imperial Vencer C . 3	
Valves	٠
Ichline Reve	v
WALL PLANTER	۰
Alabari a Ca	

Furniture Co	. 11
Venesrs. Imperial Vencer C	
Valves	. x
Jenlins Bros.	11
Alabasi e Co	1
Albert Mfg. Co.,	71
Wire Lathin The B. Greeni g W	ir-
Company	111
Metallic Roofing Co	· Xi
Samson Cordage Wrks.	
WIKE.	w <u>i</u>

	_	_		
Racvel's 395 lb. bbl.	T	ronto	. Mor	itreal
Levie Bros.				300
0				2509
G:man-			•	
Offerbacher Brand	2 40	2 60		
Alsen's, Karlstadt	2 75		~ : Y	0-235
Karlstadt	3 60	:22	2 3	3 40
Canadian	- 30	2 00	2 10	2 50
Star Brand				
Beaver Brand	2 40	3 ∞		
Bosign		3 ∞		
	3 12	2 70		
	2()			
			I 75	z 85
Samson Bran	2,	3 60	- ••	- 43
Ma net Monarch	7 03	3, 10		
Honard	- :0	•		
Hercules "	2 10	2 25		
nwencan-		0		
Aloha Brand	310	240	2 60	≥ 60
· COIZD, ID bbl 210 lbe		3 00		4 00
Cotton sacks, 250 net		3 20		250
1 aber bace.		2 0		230
h nos uperfine "Whites"		- •		2 35
no's uperfine "Whites"	10 00 1	72.00		2 45
			9 50	10 00 7 00
THE PURPOSE A CHEMICALLIE, DAY M	27.00	-/	0 50	7 ℃
	25 00	32.00	18 00	22 00
dame, 100 lbs., Grev.	20 W ,		17 ∞	22 OO
		30		
Plaster, Calcined, N. B.				
" " " " " " " " " " " " " " " " " " " "				200
Hair, Plasterers', per bag		200		200
		100		1 00
ARCAITECTURAL	VA 2		27 24 L	
TH IMPERIAL W. BURGE AND	·	****	AN 452°	•
TH IMPERIAL VARNISH AND	coso	R CL, I	ZHITE	D.
(Highest er	20'01			

111

HINKING ANNISH	AND C	NOIO	CL. L	IMITE	11
(Highes	t grad	e)			~~
	ą	~	*	-	
	3	5	2	5	,
Cans free.	2.4	નું -:	52,1 821	KAL.	8.
	2 %	- 20	×.	In Se g	ក្ត
	<u>جي</u>	52	Ξà	ΞŽ	ē:
sterier wearing body					
dsto ia	3 20	373	3 52	4 3.	60
ory E ame inc	رده	3 75	256	4 '0	40
chtine	. 4 50	474	4 8 5	2 59	5 .
thit ctural Coach	. 1 50	376	1 3	170	4 3
anition floor finish					3 6