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. 12.

MAY 22, 1901

No. 16

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY WEDNESDAY

Asan Intermediate Ec. ion of the "Canadian Architec anc Builder."

Subcription price of " Canadian Architect and Builder" (including "Canadian Contract Rocord"] \$2 per annum, payable in advance.

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

CONFEDERATION LIFE BUILDING, TORONTO. Telephone 2362.

Branch Office:

Imperial Building, Montreat. Telephone Main 2200. Advertising Rates on application.

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

TO ARCHITECTS

The undersigned is open for re-engagement as Quantity Surveyor or as Clerk of Works. W. FRAZER, vi Clinton Street, Toronto.

TENDERS

Will be received by the undersigned up to noon of MAY 9711, for the erection of Building in Parliament

The lowest or any tender not necessarily accepted. S. G. CURRY, 90 Yonge Street, Toronto.

TO CONTRACTORS

Scaled Tenders will be received up to MONDAY, THE 27TH INST., for all trades required in making certain alterations and additions to No. 26 Wellington street east, for the North British & Mercantile Insurance Co.
Plans and at suffications can be seen at the offices of the architects, to whom tenders are to be addressed.
The lowest or any tender not necessarily accepted.

GOUINLOCK & BAKER, Architects, 714 Temple Building, Toronto.

Tenders Wanted

Sealed Tenders, marked "Tenders for Sewerage, addressed to the undersigned, will be received until

SATURDAY, 1st day of June, 1901, AT NOON,

or the putting in of a Sewerage System for the whole Town of Campbellton, N. R., according to the plan and specifications of Willis Chipman, C. E., Totonio,

Town of Campbellion, N. B., according to the plant and specifications of Willis Chipman, C. E., Toronto, Ont.

Plans and specifications may be seen at the office of one said Willis Chipman, C. E., Toronto and at the office of the undersign d Chairman of Sewerage Committee, Campbellion, N.B. The work to be completed on or before the oth day of October, 190.

Each tender must be accompanied by a certified bank cheque, payable to the Town Treasurer, or eash for an amount equal to five per cent. of the tender, which will be forfeited if the party tendering declines to enter into contract when called upon, or fulfill specifications. Should the tender not be accepted the deposit will be returned.

Not obliged to accept the lowest or any tender.

WM. MURRAY,

WM. MURRAY,

Chairman of Sewerage Committee. Campbellton, N.B., May 7th, 1901.

TO CONTRACTORS

Tenders will be received from MAY 2911 until JUNE 6711, inclusive, at the office of Messrs. Power & Son, architects. Kingston, Ont., for masonry, car pentry and steam heating in connection with the building of an Opera House in the city of Kingston. Plans and specifications may be seen on and after May 20th at the office of the architects. No tender necessarily accepted.

EDW. J. B. PENSE, Grand Opera House Co., of Kingston, Limited.

STEEL HICHWAY BRIDGE AND STONE MASONRY

Sea d Tenders will be received by me up to MON DAY NOON, JUNE 3RD, 1901, for erection of a bridg, over the Moira river at Canniton, three miles north of Belleville, Ontario.

Tender to be for steel bridge in two spans of 9492 feet each, with roadway to feet wide in clear, and to carry a moving load of 100 pounds to square foot of floor area.

Tenderers for this part must furnish complete plans, strain sheets, specifications, etc., for the superstructure ready for travel; and
The tender for one stone pier and two abutments to be separate and for work and materil according to specifications to be seen at my office.

The over and abatments to be finished ready for superstructure on later than the first day of August mext, and the superstructure complete ready for travel two weeks thereafter.

The lowest or any tender not necessarily accepted WM, R, AYLSWORTH,

WM. R. AYLSWORTH, County Clerk, Box 2, Belleville, Ont.

Shire Hall, Belleville, May 6th, 1901.



To Contractors, Etc.

Tenders for Exhibition Buildings

Tenders addressed to the undersigned will be received, through registered post only, up to noon on

Saturday, June 1st, 1901

for the various works required in the erection of the following buildings on the Loronto Exhibition terounds.

- New Manufacturers' or Main Building. New Art Gallery. New Dairy Building.

Plans and specifications can be seen, and all information obtained, for No. 1, at the office of Goundock & Baker, architectis, Temple Building, Bay street, for No. 1, at the office of Beaumon Jarvis, architect, McKinnon Building, Melinda street, and for No. 1, at the office of Gregg & Gregg, architects, 94 King street weet.

Kinnon Busining, sources, architects, 94 King street office of Gregg & Gregg, architects, 94 King street weet.

Tenders must be accompanied by a marked cheque, payable to the order of the Chy Treasurer, or candeposit equal to e per cent. on tenders up to \$1,000, and \$2\tilde{\text{p}}\$ per cent. on tenders over that amount.

Should any party whose tender is accepted fail to execute the necessary contracts and bonds, and give satisfactory security for the due fulfillment of the contracts, the deposit accompanying the tender will be forfeited to the city.

The lowest or any tender not necessarily accepted. The deposits of unsuccessful tenderers will be returned.

The acceptance of any of the above tenders is subject to the by-law to provide for the issue of debentures to defray the cost of carrying out the above work receiving the sanction of the duly qualified ratepayers on the 31st inst., and passing the City Council.

City Hall, Toronto, May soth, 1901.

Chairman Board of Control.

TENDERS WANTED

Tenders will be received by the Council of the Township of Stanley, up to MONDAY. THE 10711 DAY OF JUNE, 1001, for the construction of the following drainage work:

e work :

Main Drain, 33,40 cubic yards.

Tap Drain No. 1, 2,750 cubic yards.

Tap Drain No. 2, 0,160 cubic yards.

Tap Drain No. 3, 1,780 cubic yards.

we hundred dollars of a deposit to be made with

each tender.

Plans and profiles may be seen at the office of the

Satisfactory bonds are required to be formshed by the contractors.

JOHN E. HARNWELL. Township Clerk.

Varna, May 2nd, 1901.

NOTICE TO CONTRACTORS

Scaled Tenders, addressed to the undersigned, will be received until noon on MONDAY, THE 3RD OF JUNE, for the following works.

One abutuient and two pedestals to be erected for the south approach to the Godham Road Bridge over the river Thames between the counties of Elgin and Middlesex.

Two concrete abutments to be erected for the bridge over the Cathsh Creek between the townships of Mala hide and South Dorchester.

Tenders must be separate for each portion of the

Plans and specifications may be seen at the office of the undersigned, and blank forms of tender obtained.

A marked chaque for \$100, made payable to the Treasurer of the County of Elgin, must accompany each tender.

The right is reserved to reject any or all tenders.

IAS, A. BELL. County Engineer.

NORTH TORONTO

WATERWORKS

Notice to Contractors

Seated Jenders, marked Tender for Waterworks Plant, addressed to the undersigned, all he received until 6 o'clock p m., on TUESDAY NEXT, THE 28 in DAY OF M.W. INST., 6 each or the whole of the several works required for the proposed work. Contract 8 o. i. For building power house, brick wall, shingle roof, and foundations for pump and other machinery, and for setting boiler.

Contract No. i. For supplying and draving according to the set of long, i in at thick end and not less than 8 in at small end.

Contract No. j. For taking down present compound dupler neam points, verhauling, and putting same in first class condition, and erecting same on new foundation some two miles distant.

Contract No. 4. For supplying and fixing one new scohorsepower boiles and iron smokestack.

Plant and specifications can be seen and forms of tender procurred at the office of R. E. Speakman, C. E., 99 Canada Life Building, Toronto.

A certified and accepted land, heaver for an amount equal to 3 pet on 1 of the a union of tender must accompany each tender, or it will not be considered.

The appration of not bind the makes to accept the lowest or any tender.

W. J. DOUGLAS, Tewn Clerk, Newt Termer, Eclipster Portroffee

W. J. DOUGLAS, Tewn Clerk, North Toronto, Eglington Post-office.

North Toronto, May 20, 1901.

TO CONTRACTORS

Sealed Tenders, addressed to the undersigned, will be received until noon on FRIDAY, FHE 3157 INST., for building Concrete Abutments, Pedestals and Concrete Floor for the Wilson viaduct in the City of St. Thomas. The work consists of two aburments, eighteen pedestals and fifteen thousand seven hundred and seventy square feet of flooring.

Plans and specifications may be seen, and blank forms of tender obtained at this office.

The right is reserved to reject any or all tenders.

A certified cheque made payable to the Treasurer of the City of St. Thomas for two hundred dollars must accompany each tender as a guarantee of good faith.

JAS. A. BELL, City Engineer.

St. Thomas, Ont., May 20th, 1901

Tenders for Hydrants

Scaled tenders, addressed to the Chairman Fire, Water and Light Committee, for the supply of 50 hydrants (six and eight inch) will be received at the office of the undersigned up to 8.30 p.m. on

Monday, June 10, 1901.

Each tender submitted must be accompanied by a blue print and specifications, giving the details of how the hydrant is constructed.

Any further information required by intending tenderes can be obtained at the office of the Water and Light Commissioner, Winnipeg, Canada Each tender must be accompanied by an accepted cheque or cash deposit for the sum of \$100, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract with approved securities if called upon to do 50.

The city reserves the right to refect any or all tenders, or to accept any bid which appears advantageous to the City of Winnipeg.

City Clerk's Office, Winnipeg, May 15, 1901.

C J BROWN, City Clerk.



Notice to Contractors

Tenders for Pavements, Side-walks and Sewers.

Tend rs will be received by registered post o ly address d to the Chairman of the Board of Control, City Hall, Toronto, up to noon on WEDNESDAY, MAY 29711, 19 1, for the following works:

ASPHALT PAVEMENTS:

King street, from Hathurst street to Strachan avenue. King street, from Strachan avenue to Armour street. Wellington street, from Peter street to Clarence

BRICK PAVEMENT:

Grange avenue, from Esther street to Hackney CONCRETE SIDEWALKS.

Prospect street, south side, from Parliament street

Prospect street, south sade, from Parliament street to Rose avenue.

Prospect street, south side, from Rose avenue to Ontario street, except 117 feet already laid.

Ontario street, west side, from first lane north of Carlton to Wellesley.

Beverley street, east side, from Grange to D'Arcy

Street
York street, west side, from Queen to 5½ north of

York street, west side, from Queen to King.
York street, east side, from Queen to King.
Terauley street, west side, from 155½ north of Queen
to Albert.
Front street, south side, from Jarvis street to George Queen street south side, from Lewis ttreet to G.T.R.

PIPE SEWER:

PIPE SEWER:
Ritchie avenue, from Dundavs reet to Herman.
Maude avenue, from Perth to west end.
Contents of envelopes containing tenders must be plainly marked on the outside.
Plans and specifications may be seen, and forms of tender obtained at the office of the City Engineer on and after Wednesday, May 2 nd. 1901
A deposit in the form of a marked cheque payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for up to \$1,000, and \$2\$ per cent. on the value of the work tendered for over that amount, must accompany each and every tender, otherwise they will not be entertained. Tenders must bear the bona fide signatures of the contractor and his sureties, or they will be ruled out as informal.
Lowest or any tender not necessarily accepted.
O. A. HOWLAND (Mayor),

O. A. HOWLAND (Mayor), Chairman Board of Control City Hall, Toronto, May 17th, 1901.

TO DRAUGHTSMEN.

Architectural draughtsmen open for engagemen may learn of vacancies by communicating with the office of the CONTRACT

TENDERS WANTED

Tenders will be received by the undersigned up to the 7711 DAY OF MAY, at 5 o'clock p.m. for the construction of 15,00 to 30,000 square feet cement con, icle sidewalks in the Town of Walkerton during the current season No tenders necessarily accepted.

R. H. McKAY,

Chairman of Public Works,

Walkerton, Ont.

TENDERS WANTED

Tenders in bulk for masonry, carpe dry, plastering, slating, painting, glazing, etc., of a

Brick School at Dublin, Ont.,

will be received until MAY 315T, by Rev. William Fogarty, at Dublin. Ont. Plans, etc., at the Pastor's residence or at the office of Moore & Henry, architects, London, Ont. Lowest or any bid not necessarily accepted.

London, May 20th, 1901.

TENDERS WANTED

Drainage Work

Scaled Tenders, endorsed "Tenders for Drainage," and addressed to J A Cockhurn, Crysler, Ont., wil, be received up to the hour of one o'clock on TUESDAY, THE SOURTH DAY OF JUNE, 1901, for the deepening widening, improving, etc., of the Whissell Creek Drain, in the Townships of Finch and Cambridge. Estimated cost, \$2,113.15.
Plans, specifications, forms of tender, etc., to be seen at the office of J A. Cockburn, C erk of the Township of Finch, and at the office of Ge v. L. Brown, Engineer, Morrisburg, Ont., on and after the 25th day of May, A.D., 1901.

The lowest or any tender not necessarily accepted.

JOHN K. McLEAN, Reeve. J. A. COCKBURN, Clerk. GEO. L. PROWN, Engineer

MIDLAND WATER WORKS

Scaled Tenders will be received by D. L. White, Eq., Chairman Water Works Committee, Midland, Ont., until 7.30 p. m. on

Monday, the 17th day of June, 1901.

for the following sublivisions of the above works, comprising-

> Pipelaying, Water Tower, Pipes, Fire Hydrants and Valves, Pumping Machinery and Boilers.

Plans and specifications may be seen at the office of the Chairman of Water Works Committee, Midland, or at the office of the Chief Engineer, 103 Bay Street, Toronto, on and after May 8th, 1901

WILLIS CHIPMAN, Chief Engineer, Toronto.

D. L. WHITE. Chai man of Water Works Committee, Midland.

CONTRACTS OPEN.

CARLETON PLACE, ONT.-The C.I R. is said to have authorized a survey tor a railway between this place and Perth

SARNIA, ONT. - R. Fawcett, archaect, has prepared plans for a two-storey frame residence for Capt. A. E. McG.egor.

WALKERTON, ONT .- Tenders are asked by S. J. Cameron, up to May 31st, for building brick residence on Frank st.

ST. JOHNS, QUE. — The Council has agreed to grant a bonus of \$5,000 for the establishment of cordage works here.

BRIDGBURG, ONT.— Architect Birrel, of Buffalo, will prepare plans for alterations and additions to the I.O.O.F. hall.

VIRDEN, MAN.—Tenders are asked up to June 12th for erection of brick veneer church. Particulars from George Perry.

ATWOOD, ONT .- T. Fullerton, municipal clerk, wants tenders by 27th inst. for construction of drain in township of Elma.

BRANDON, MAN.-W. H. Shillinglaw, architect, has prepared plans for a large addition to the Merchants bank build-

OSHAWA, ONT. — The council have concluded an agreement with the Detroit Wire Fence Co. to establish a factory in this town.

PARRSBORO, N.S.—Bids are asked by C. A. E. Kelly, up to Saturday, 25th inst, for the purchase of \$25,000 electric light debentures.

WATERFORD, ONT.— On May 30th the ratepayers will vote on a by-law to raise \$2,000, being half of the cost of a new town hall.

LEAMINGTON, ONT. — Mr. Maycock, architect, is preparing plans for a new hotel at Wheatley and for a residence in this town for Charles Allison.

THOROLD, ONT. - By-laws providing \$30,000 for granolithic walks and \$6,000 for extension of electric light plant were carried by the ratepayers on the 13 h

CALGARY, N.W.T .- By laws to provide funds for sewer construction, fire alarm system and purchase of street machinery were defeated by the ratepayer; last week.

ARROW LAKE, B.C.—The Minister of Railways and Canals has brought in a resolution at Ottawa to grant a subsidy of \$96,000 for a railway from this place to Duncan Lake.

PICTOU, N.S.—Tenders are invited by F. MacKaracher, town clerk, up to Tuesday, 28th inst., for building pumping station and stand pipe foundation and connecting artesian wells.

IROQUOIS, ONT.-The Council have decided to accept none of the tenders submitted for the purchase of debentures.

—Willis Chipman, C. E., Toronto, will make plans for an electric light plant as well as waterworks extensions.

GODERICH, ONT—The cost of the proposed plant of the Mailand River Power Co. will be about \$120,000. The necessary surveys have already been made. James Clark, manager Dominion Fish Co., and John E. Johnston, of the Chatham Gas Co., are directors.

OREIGN and DOMESTIC PORTLAND CEMENTS **FOREIGN**

Pure refined Coal Tar for Tar Macadam Roadways and Pavements.

Sanitary Building Papers and Patent Wire Edged Ready Roofing for Municipal and other Buildings. ECONOMICAL DURABLE FIREPROOF

THE PATERSON MANF'G CO., LIMITED.

BRUSSELS, ONT.—John Leckie will muld a residence.

BOTHWELL, ONT.—Improvements may made to the town hall.

SEAFORTH, ONT.—A brick residence will be built by Robert Wills.

SUSSEX, N.B.—It is proposed to raise \$25,000 to construct a waterworks system.

FINCH, ONT.— Hugh Carr intends building three dwelling houses this summer.

VICTORIA, B.C.—Plans are being prepared for a large building for the Albion fron Works Co.

QUEBEC, QUE.—The residents of Lachevrotiere street have petitioned for an asphalt pavement.

UXBRIDGE, ONT.—The ratepayers will vote on a by-law to raise \$4,000 for building a new town hall.

GALT, ONT.—Some sewer work is to be carried out, from plans by Willis Chipman, C. E, of Toronto.

BUCKINGHAM, QUE.—R. D. Ross has purchased property on which he will erect a brick store and dwelling.

ARNPRIOR, ONT.--The time for receiving tenders for sewerage construction has been extended to May 28th.

NORTH SYDNEY, N. S.—It is believed that the ratepayers will decide upon a complete system of sewerage.

WATEORD, ONT.—Tenders have just been taken for building concrete sidewalks; Alex. Saunders, clerk.

BRACEBRIDGE, ONT.—A. C. Salmon, town c.erk, invites tenders up to 29th inst. for erection of power house.

PARKHILL, Ont.—An engineer will be engaged to prepare plans and an estimate of the cost of a waterworks system.

DUTTON, ONT.—The question of purchasing a hand fire engine will be submitted to the ratepayers on June 3rd.

KINGSVILLE, ONT.—W. A. Smith, town clerk, invites tenders up to 25th for construction of bridge over mill creek.

FORT WILLIAM.—F. R. Morris is this week taking tenders on erection of dwelling. Address A. McNaughton, 'own clerk.

ZURICH, ONT.—Fred. Hees, township clerk, invites offers up till Monday, June 3rd, for purchase of \$6,200,55 drainage debentures.

VANCOUVER, B.C.—T. F. McGuigan, city clerk, invites offers up to May 31st for purchase of \$230,000 40 year 3½ per cent. debentures.

BARRIE, ONT.—Tenders will be invited next week for ejection of Royal Victoriahospital. Plans by Gouinlock, & Baker, architects, Toronto.

BROCKVILLE, ONT.—The question of improving the present electric light and gas plants is still under-consideration by the commissioners.

PORTAGE LA PRAIRIE, MAN.—T. T. Bailey is taking tenders for erection of a brick block. Plans by H. S. Griffith, architect, Winnipeg.

MIDLAND, ONT.—Gouinlock & Biker, architects, Toronto, are taking tenders for

a new building, including Y.M.C.A premises, for F. W. Jeffrey.

PEMBROKE, ONT.—The waterworks committee has been authorized to pur chase a new pump and condenser, and may call for tenders therefor.

NAPANEE, ONT.—It is understood that steps will be taken at once to build a pubic library, a grant for the purpose having been made by Mr. Wilson, M.P.

SARNIA, ONT.—Willis, Chipman, C.E., of Toronto, has been engaged to report on the removal of the waterworks intake pipe from its present location to Lake Huron.

WALKERTON, ONT.—A sewer will be constructed on Victoria street, at cost of \$2,475. The ratepayers will be asked to vote \$9,000 for waterworks and sewerage construction.

PETAWAWA, GAT.—The pulp mill to be built here by Messrs. J. C. Scovell and A. P. Mohr, of Buffalo, will cost about \$200,000. Construction work will commence in the fall.

COBOURG, ONT.—General Fitzhugh, an American gentleman, has just commenced the erection of two large residences, to cost about \$10,000 each, brick with pilastered front, hot water heating.

MIDLAND, ONT.—At last council meeting a motion was carried to engage Willis Chipman, C.E., of Toronto, to prepare plans for waterworks and electric light plants to be installed by the town.

HAMILTON, ONT.—W. A. Edwards; architect, wants tenders by May 31st for erection of 5:ore, and flats above, corner York and Bay streets, also for a dwelling on Ray street north for Jacob Flatt.

STRATFORD, ONT.—Plans prepared by A. Hepturn, architect, have been accepted for the new building for domestic science and manual training in connection with the collegiate institute. Tenders for construction will be invited immediately.

The Hodd & Cullen Co. have decided to rebuild their grist mill.

FORT FRANCIS, ONT.—William Bishop contemplates erecting a two storey building. - Plans have been completed for Mosher & Bartley's new hotel, which will be 40x60 feet, three storeys, finished outside with steel sheeting.

HULL, QUE.—Work will shortly be commenced on the axe factory to be built by Mr. Walters.—The city council has accepted the plans for new city hall submitted by Chas. Brodeur. Building will be three storeys, 50x72 feet, stone, cost \$24,000.

PORT ARTHUR, ONT.—Tenders are asked for erection of eight room addition to school building; separate tender for steam heating. Particulars from C. W. Wheeler.—J. G. King proposes to build a new steel elevator annex to cost about \$100,000.

KINGSTON, ONT.—Power & Son, architect, have taken tenders for additions and alterations to residence on King street west.—B. W. Folger states that the proposed extension of the Kingston and Pembroke railway from Sharbot Lake to Carieton Piace will be built at once.

PORT HAWKESBURY, C. B.—Robert J. Campbell, president of the Cape Breton Railway Extension Co., states that operations will be commenced this week on a railway from this place to Louisburg, a distance of eighty miles, with a branch to Sydney. The company have power to bridge or tunnel the straits of Causo.

BRANTHORD, ONT—Tenders close 23rd inst., at office of W. Hall, architect, for erection of Salvation Army Barracks.—Tenders close 27th inst., at office of Gounlock & Baker, for alterations and additions to Zion Presbyterian Church.—E. P. Worthington is taking tenders on addition to livery stable. Plans by G. W. Hall, architect.

Good Roads Machinery Co. (Registered)

JOHN CHALLEN, Manager, Hamilton, Ont.

"CHAMPION" Rock Crushers, Road Rollers, Road Graders, Road Plows, Bacadam Spreading Wagons, Street Mud Cleaners, Wheel & Drag Scrapers.

Now introduced in every Province of Canada.

.. Send for Twentieth Century Catalogue.

McGREGOR & MCINTYRE 65 to 73 Pearl Street TORONTO, ONT.

STRUCTURAL IRON WORKS

Trolley Pole Brackets; Electric Light Arms; Prison and Jail Cells; Fire Escapes Automatic Fire Shutters and Doors; Iron Sidewalk Doors, Etc.

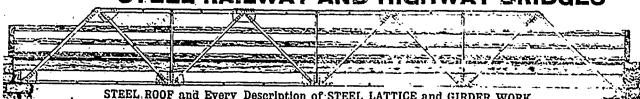
We stock Bar Iron, Bar Steel, Steel Angles, Channels, Etc.



STONE Crushers, Stone Spreading Wagons, Wheelers and Drag Scrapers, Plows, Steam and Horse Rollers, Road Graders, &c.

SAWYER & MASSEY COMPANY, Limited - Hamilton, Canada

THE HAMILTON BRIDGE WORKS CO., LIMITED, HAMILTON, CANADA Manufacturers of ... STEEL RAILWAY AND HIGHWAY BRIDGES



STEEL ROOF and Every Description of STEEL LATTICE and GIRDER WORK.

Beams, Channels, Angles and Tees always in Stock.

Estimates Purnished on Application.

CHATHAM, ONT. - The promoters of the Kent & Essex electric railway held a meeting in the office of the Westinghouse Construction Company, Detroit, week, at which it was stated that construction was likely to be com-menced at an early date.—Plans pre-pared by Mr C rswell, architect, for new separate school have been accepted.

WEBBWOOD, ONT. - The Spanish River Pnlp & Paper Co. are inviting tenders up to June 1st, for machinery for the ground wood pulp mill to be built at this place. ltems include boilers, engines, pumps, barkers, conveyors, overhead cranes, wet machines, electric equipment, etc. l'articulars may be obtained from the company's engineer, Jos. H. Wallace, C.E., Temple Court Bldg., New York.

ST. JOHN, N. B.-J. J. Barry has purchased a lot on Leinster street on which to build a dwelling.—The municipal council of the county of St. John have had plans prepared for alterations and additions to the jail, to cost about \$12,000.— F. N. Brodie, architect, has in band a large four storey tenement house, with hot water, heating, open plumbing, elecric bells, etc., also a double house c. Leinster street.

LONDON, ONT.—Herbert Matthews, architect, is calling for tenders for additions and improvements to Victoria school, South London; also for residence on Queen's avenue for Dr. C. N. Abbott.— Moore & Henry, architects, invite tenders up to 23rd inst. for R.C. church on Lyle street.—H. C. McBride, architect, is calling for tenders for a factory on Clarence street.—It is reported that Toronto capitalists will build a large hotel in this city, to cost about \$100,0000.-A new residence will be built on Elwood avenue for Mrs. Dunnett.

OTTAWA, ONT.-Bryson, Graham & Co. intend erecting a five storey addition to their premises, cost \$20,000.—An extension will be built to the furniture factory of Boyden, Harris & Campbell.—Adelard Auclair has purchased property on Nicholas street on which he will build a large cottage.—The Government has decided to establish a Mint in this city, for which purpose abuilding will be erected.—Building permits have been granted as follows: R. B. Whyte, brick and stone warehouse, 5 Rideau street, cost \$12,000, Mrs. Law, tou: brick houses, Sherwood street, cost \$4,000, Thomas Saunders, brick veneer dwelling, Second avenue, cost \$1,400.

SAULT STE. MARIE, ONT. - A.S. Crane. chief engineer Lake Superior Power Co., invites tenders up o July 1st for construction of power canal, 2,500 feet long, 150 feet wide, and 30 feet deep, to be excavated through sandstone ledge.-H. R. Dalton, architect, has prepared plans of a new Roman Catholic church to be built here, and addition to the Windsor hotel. Tenders are invited by the Tagona Water & Light Company up to June 10th for furnishing 62 fire hydrants. Particulars from G. W. Chance, chief engineer.

—The by-law to raise \$60,000 for construction of sewerage system has been carried by the ratepayers. Tenders for the work will be invited at once.

WINNIPEG, MAN. - H. S. Griffith, architect, has taken tenders for a Presbyterian church at Minnedosa, also for a store building at Portage la Prairie.— Plans have been prepared for improve-

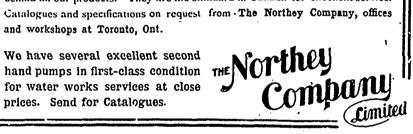
ments to the C.P.R. shops.—It is understood that the Canadian Northern Ra way will shortly commence to enlarge the shops here.—H. S. Griffith, architect, h. prepared plans for a brick and stone build ing to be built by C. Olasson, cost \$1.000.—S. F. Peters, architect, has take tencers for alterations to building for Massey-Harris Co.—The school trustees are taking steps to secure the erection of a new school in ward 5.—C. J. Brown, city clerk, invites tenders up to June 10th, for supply of 50 hydrants. H. S. Griffith, architect, invites bids up to 27th inst., for erection of brick residence on Harmane erection of brick residence on Hargrave street for E. Nicholson.—The city will call for tenders for 1,500 feet of fire hose. J. H. G. Russell, architect, vill receive tenders up to the 28th inst., for the erection of three-storey brick and stone building on River avenue. Fort Rouge, for the infant's Home.—Bulk or separate tenders are asked by A. A. Andrews, of the Vinnipeg Rubber Co., for residence on Assinboine avenue.

MONTREAL, QUE.—At a meeting of the Board of Trade Council held last week,

Jumping Machine

Power Pumps **Duplex Pumps** Electric Puzips Artesian Well Pumps Compressed Air Pumps

We are prepared to equip municipal or other water works plants with Pumping Machinery of the latest and most approved designs. We manufacture Steam and Power Pumps of all types, for any duty. Our long experience is behind all our products. They are the standard in Canada for excellent service. Catalogues and specifications on request from . The Northey Company, offices

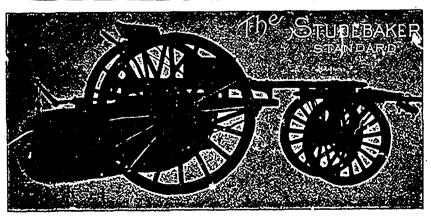


The Canadian Bridge Co., Limited WALKERVILLE, ONT.

MANUFACTURERS OF

RAILWAY AND HIGHWAY BRIDGES

Locemotive Turn Tables, Roofs, Steel Buildings and Structural Iron Work of all descriptions.



Is too Standard ta-kpole Patent Improved Street Sweeping Machine

Because no sweeper so effectually does the work for which it is designed as "The Studebaker."
It Sweeps Clean. No sweeper is constructed with the same degree of care and mechanical precision.
It Wears Weij. "The Studebaker" has the smallest mossible number of working parts, and has less
ing than any other sweeper made. It is free from uncreased compile ions. With reasonable care it



Studebaker Sprinkler

(PATENT (BIPROVEIL) Poes not clog or get out of order. Greatest width of Can be graded from driver's seat to any volume.

IMPROVED VERTICAL SPRAY for Pavement

Geo. Heaman, Work. London, Out.

the reconstruction of their building was considered. It is understood that a competition for plans among Canadian ar hitects will be opened. The Lachine hipids Hydraulic & Land Co. are about is build a 2,500 horse power steam plant n this city, and are now negotiating for a te-Building permits have been issued as follows:—J. & T. Bell, four storey building, 190 Inspector st, cost \$170,000; Rodier Estate, two 3-storey houses, Emery st, cost \$6,300 each; Bank of Mandlen and Welliams at the cost \$7. Taylor real, one-storey house, Magdlen and Wellington sts., cost \$10,000 (A.T.Taylor, architect); H. Courtois, two 4-storey houses, Desery and Stadacona sts., cost \$2,250 each; Mrs. Wm. Kennedy, two storey house, 271 William st., cost \$3,700; A. Lacroix, two-storey house, 1201 & 1593 St. Andre st., cost \$1,400; S. D. Vallieres, three-storey house, Mount Royal ave., cost \$3,000; A. Pilon, three-storey house, Robin st., cost \$4,500; J. J. Hawke, two 3-storey houses, St. Hypolite st., cost \$3,000 each; (J. Frappier, architect). architect).

TORONTO, ONT.—The Toronto Milk-men's Company has been incorporated, with a capital of \$125,000, to conduct a dairy business. It is intended to erect a suitable building on Queen street west, near Spadina avenue. Hon. N. Clarke Wallace and Dr. Pyne are directors.— Tenders are invited by the Department of Public Works up to Wednesday, 29th inst., for erection of physical museum and biological laboratory at the Agricultural College, Guelph. Building will be stone and brick, threestoreys, 118x55 feet.—The city is taking tenders up to 29th inst. for construction of pavements, sidewalks and sewers, also for supplying 450 feet of 12-inch wrought iron pipe.—S. F. Davis, architect, 160 Macdonell avenue, is taking tenders from all trades for eraction of building.—Bulk or separate tenders are wanted at 97 Elliott street for erection of new house.—The street commissioner will

again recommend to council the establishment of two garbage crematories on the island, at a cost of \$6,000.—Tenders are invited by the Public School Board up to May 29th for supply of school desks and seats,dergarten tables and chairs, garden hose, etc. - Bond & Smith, architects, wa. tenders for carpenter work of two houses on Bathurst street.—Tenders specifications at 1444 Queen street east.

Gouinlock & Baker, architects, are taking tenders up to 27th inst. for alterations and additions to 26 Wellington street east

for the North British & Mercantile Insur-Same architects are preparing ance Co. Same architects are preparing plans and will take tenders next week for a residence on Rathnally avenue and for extensive additions to building, northwest corner King and Bathurst streets, for the Newell-Higel Co. They have just closed tenders for alterations, including new pews and decoration, Sherbourne street Methodist church.—Tenders close June 1st for erection of manufacturers' building for Exhibition Association, from ance Co. building for Exhibition Association, from plans by Gouinlock & Baker, for the art gallery, from plans by Beaumont

jarvis, and for the dairy building, from plans by Gregg & Gregg. - Building permus have been granted is follows: W. T. Kernahan, pair of two-story brick dwellings, 31 and 33 Wellesley street, cost \$5. oon; Mr Manning, buck dwellings, 734 and 736 Geriard street east, cost \$3,500; Frank Dineen, brick stable, south side Pearl street, near York, cost \$2,000; Cos-Pearl street, near York, cost \$2,000; Cosgrave Brewing Co., addition to biewery, rear 393 Niagara street, cost \$4,000; Inglis & Son, addition to foundry rear 41. Strachan avenue, cost \$1,200 Mt. Babster, dwelling at 121 and 121½ Palmerston avenue, cost \$3,200; Robt. McKee, dwelling on Lansdowne avenue, near Union street, cost, \$2,600; J. F. Bird, architect. I rank Fleming, 2-stop brick dwelling, 55 Bernard avenue, cost \$3,000 dwelling, 58 Bernard avenue, cost \$3,500, Bond & Smith, architects; John E. Webb, masonry contractor.

FIRES.

Sawmill of Whaley Lumber Co. at Huntsville, Ont., totally destroyed; loss \$8,000, insurance \$4,000. The Pacific Hotel and residences of Messes. Lonsdale and Laking at Port Moody, B. C., totally destroyed.—



BRAND

HIGHEST C! ASS PORTLAND CEMENT

McGILL UNIVERSITY TESTS, 1898:
Fineness:—residue on 100 sieve, 4.45%.
Tensile strength: neat: 7 days, 629 lb.
" 28 " 773 lb.

28 " 773 lb. -OF ALL FIRST CLASS DEALERS



"HEIDELBERG

(formerly "Schifferdecker")

Highest Class Portland Cement.

Very finely ground. Output 1900-one million barrels. Used extensively in construction of the Chaudiere Dam.

... OF ALL FIRST-CLASS DEALERS

TOWNSHIP DEBENTURES WANTED

Highest Market Prices paid for Township and other Bonds by

The Central Canada Loan & Saving Co'y Cor. King & Victoria S: <. TORONTO.

Thorn Cement Co. "LEHIGH" PORTLAND CEMENT

Capacity, 4,000 Barrels every day in the year.

For Sidewalks and all other work requiring the highest quality Portland Cement. Used by the U. S. Government and the largest contractors and users of Portland Cements in the United States.

THORN CEMENT CO., 112-118 Church Street, BUFFALO, N.Y., U.S.A

A.E.AMES & CO.

BANKERS. 18 King Street Past, TORONTO.

Buy and Sell

GOVERNMENT, RAILROAD and MUNICIPAL SECURITIES.

M. 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 Pumps for Water. Sand and Gold Mining, and other Contractors' Plant.

The KERR ENGINE GOMPANY, Limited

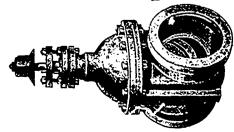


Gorporations and Gontractors . . :

should not fail to obtain our prices on

PUMPING MACHINERY, HYDRANTS and VALVES

ONTARIO WALKERVILLE,



Hotel of Roy & Sevigny and several stores and residences in Lower Town, Ottawa, burned on May 8th.—Mansion Honarint Bridgeburg, Ont., owed by J. T. James.—Saw mill of George Mills & Son at Mountain Grove, Ont.—Saw mill of Chute & Co. at Doon, Ont., totally destroyed; logs \$10,000.—Saw and shingle mill of Thomas Robins at Wyebridge, Ont., loss \$5,000. Gram elevator of the Lake of the Woods Milling Co. at Indian Head, N.W.T.—Bayview Hotel at Bath, Ont., owned by Norman Rightley, total loss;—Saw mill of J. A. Heise at Bethesda, Ont.

CONTRACTS AWARDED.

LISTOWEL, ONT.—Residence for William Strachan: Horn & Calder, contractors.

PARRY SOUND, ONT.—Residence for John Argue: E. Shropshire, contractor.

Truro, N. S.—\$57,500 town debentures: A. E. Ames & Co., Toronto, purchasers, at \$58,076.

WINDSOR, ONT.—William Lyons has secured the contract for laying 2,100 feet of water mains, at 1134 cents a foot.

CHATHAM, ONT.—Brick and stone factory for Chatham Binder Twine Co., Hadley & Co., contractors, \$11,324.

St. John, N.B.—I. N. Brodie, architect, has let the contract for a club house for the Royal Kennebeccasis Yacht Club to John Duffy.

OTTAWA, ONT.—The tender of M. J. Sigouin, of McGee street, has been accepted for construction of breakwater at Riviere a la Tortue.

AMHERSTBURG, ONT.—The Amherstburg Electric Light Go. have let the contract-for rebuilding their power house to Thomas Muir & Son.

ORILLIA, ONT. -G.A. Stimson & Co., of Toronto, have purchased the Collegiate Institute bonds instead of O'Hara & Co. as stated in last issue.

GUELPH, ONT.—The Royal Artiffcial
Stone Paving Co., of this city, have secured contracts for granolithic sidewalks for Fergus and Teeswater.

CARLETON PLACE, ONT.—The tender of A. E. Ames. & Co., of Toronto, for purchase of debentures, has been accepted; price, \$12,612 and accrued interest.

LINDSAY, ONT .- The following tenders. LINDSAY, ONT.—The following tenders were received by the council for supply of 350 barrels of cement: Rathbun Co., Stat brand, \$2.45; Beaver, \$2.25; Ensign, \$2.05. R. Bryans & Co., Imperial No. 1, \$2.69. D. Cinnamon—Star, \$2.68; Beaver, \$2.33; Eusign, \$2.08. McLennan &

ASK FOR

BVIC Bros.' Gement

made at Cronfestu (Belgium).

One of the best in the market-

"BALANCE BRAND"

ACENTS:

L. Morin, Pelgrims & Co. 199 Gommissioners St., MONTREAL

ALWAYS IN STOCK

Syracuse Smelting Works, Montreal, P.O.

STINE

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, General Manager.

Head office: INGERSOLL, ONT,

Co. Imperial, \$2.60. The council decided to purchase 20 barrels of Imperial cement from McLennan Bros, and the balance from the Ruthbun Co.

CHARLOTTETOWN, P.E.I.-For the Hillsboro bridge the iron work will be supplied by Pillow, Hersey & Co., Montreal; the lumber by H. II. Acom, of Souris, and Rhodes, Curry & Co., of Amherst, and the cement by the Atlas Portland Gement Co.

NORTH GOWER, ONT .- The following tenders were received for improvements to tenders were received for improvements to Mud creek and branches: John Baskins, Norwood, \$14,742,56; Hugh L. Ross, Hintonburg, \$13,695; John Kemp, Hazeldean, \$12,207; Beamish and McKeown, \$21,492; Broder, Wilson & Boucher, Ottawa, \$11,500; John Bruce, Ottawa, \$10,450. The contract was awarded to John Bruce, Ottawa.

TORONTO, CINT .- C. J. Gibson, architect, has let the masonry co ract of residence on Jamieson avenue to R. Chalk-ley, and the carpentry to J. Hoops.—Darling & Pearson, architects, have accepted the following tenders for residence in Queen's Park for J. W. Flavelle: Brick

JOHN GALT, G.E.&M.E.

MRM. CAN. SOC. C.E. AND C.E.A., ETC. (Late City Engineer of Ottawa and Chief Engineer of the Water Works Dept.)

CONSULTING ENGINEER and EXPERT

NATIONAL TRUST BUILDING. 20 King Street E., TORONTO.

Specialties-Water Supply and Sewerage.

work, Dancy Bros.; carpentry, J. C. Soupplumbing, Bennett & Wright; galvenic of iron, G. Duthie & Son.—The following contracts for civic works were let last week; contracts for civic works were let last week; Brick pavement, Wellington street, York to Sinico streets, \$6,485, to W.F. Grant and Co. Brick track allowance pavement, Dundas street, Lansdowne avenue to the bridges, \$946, A. Chamberlain. Asphabpavement, Lowther avenue, Walmer road to Brunswick avenue, \$2,689, to Constructing and Paving Co.; Bedford road, Bloor street to Lowther avenue, \$4,715, Donning Paving and Constructing Company. street to Lowther avenue, \$4,715, Dominion Paving and Constructing Company, Queen street, Don bridge to G. T. R. fracks, \$23,300, Barber Asphalt Company.

Architects and engineers will be interested in knowing that you are submittingla tende, as the result of the advertisement for tenders, published in the CONTRACT RECORD. Mention the fact.

EMENT-

SAYLOR'S PORTLAND Best Imported.

Write to

For Side-Walks and Bridge Work. JOHN: MANN & SONS,

WESTERN AGENTS.

LONDON, CÁNADA

... Manufactured at... NIEL ON RUPELL

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

PORTLAND CEMENT

Samson Brand

Magnet Brand

MADE AT SHALLOW LAKE, ONTARIO

Our celebrated SAMSON BRAND has been before the public for many years, and has made fosts 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, doits own advertising. Correspondence invited. . . .

GEO. S. KILBOURN, Secretary-Treasurer. WORKS: Shallow Lake, Ont. HEAD OFFICE: Owen Sound, Ont.

The Canadian Portland Cement Company, Limited

Manufacture "RATHBUN'S STAR"
"BEAVER" "ENSIGE "ENSIGN"..

WORKS:

Strathcona, Ont.; Marlbank, Ont.

CAPACITY: 500,000 Barrels per Annum. -For Prices, write, wire, phone or call on our Sales Agents:

THE RATHBUN COMPANY 310-312 Front Street West
TORONTO, ONT.
Telephone Main 1379.

St. Lawrence Portland Coment Co. 2664 Notre Dame Street West Montregal, Quel.
Tilephone Main 3987.

W. & F. P. CU MONTREAL

Importers of

SEWER PIPES.

CHIMNEY TOPS, VENT LININGS.

FLUE COVERS, FIRE BRICKS.

mer, FIRE CLAY, 1 175

WHITING.



B. S. & Co. "Anchor. ALSO OTHER BRANDS.

PLASTER OF PARIS, BORAX.

CHINA CLAY.

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

LS CHIPMAN

Hon. Grad. McGill University.

Soc. C.E. M. Am. Soc. C.E.

Mem. Am. W.W. Ass'n.

WATE VORKS, SEWERAGE WORKS, GAS ORKS, BLECTRIC LIGHT AND POWER PLANTS
Repoi , Surveys, Construction, Valuations

183 BAY STREET - TORONTO

R. E. SPEAKMAN. C.E.

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

GONSULTING ENGINEER

Waterworks, Sewerage and Sevrage Disposal.
Municipal Improvements.
Granolithic Pavements.
Electric Light Plants.
Drainage and Irrigation of Land.
C al Handling Plant and Machinery.
Plans, Specifications and Estimates.
Construction and Valuations.

Canada Life Building -

TORONTO

RODERICK J. PARKE

A M. American Institute E. E.

A M. American Institute E. E.
CONSULTING ENGINEER
Design and Superintendence of :—Electric Railroads,
Steam and Hydraulic Plants, Long Distance Power
Fransmissions, Municipal Electric Lighting Systems,
Welding and Electricytic Processes.
Estimates Valuations —sals
Reports for Financial Institutions
409-410 Temple Ruilding, TORONTO, CANADA
Long Distance Telephone 8047.

W. T. ASHBRIDGE, C.E.

A. M. CAN. SOC. C.E.

1444 Queen St. East,

TORO NTO

, Special Attention given to

Sewerage Works, Water Supply, Pavements, Oncrete Construction, Etc.

Wm. Mahlon Davis

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

CONSULTING ENGINEER

BERLIN. ONT.

Waterworks, Sewerage, Sewage Disposal, Drainage under The Municipal Act, Roadways.

PORTABLE...

Gravity Concrete Mixer

The CHEAPEST, SIMPLEST and BEST Machine for mixing concrete ever invented. High Grade Concrete at low cost.

E F. DARTNELL, AGENT, 180 ST. JAMES ST., MONTRFAL

Heat = DiscomfortElectric Fan = Comfort

GET ONE AND REVEL IN LUXURY DURING THE HOTTEST WEATHER.



Send for Bulletin No. 120.

John wait too long to place your order.

All kinds in stock.

IGanadian General Electric Go., Elmitea

Montreal Halitax

Head Office: Toronto, Ont. Winnipeg Vancouver

Rossland

THE PHŒNIX BRIDGE & IRON WORKS

MANUFACTURERS OF STAY BOLTS AND ALL KINDS OF RIVETS

STEEL AND IRON STRUCTURAL AND ARCHITECTURAL WORK

Beams, Channels, Angles and Tees always in stock.

29 to 49 McGIII Street. P.O. Box 893.

Prices on Application.

MONTREAL

Dominion **Bridge**

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

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

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

RERLIN IRON BRIDGE CO.,

THREE RIVERS, P.Q.

MANAGER: P. E. LANE, PLACE VIGER HOTEL, MONTREAL. MANUFACTURERS

Steel Bridges, Steel and Iron for Buildings,

and Structural Metal Work of all kinds.

Send for Catalogues, Plans and Estimates.

SILEX STONE CO'Y Walks A SPEC!ALTY **CURBINGS**

TO CORPORATIONS,—Our to years' experience in Building Walks and Grading enables us to save the expense of an englneer in small towns where one is not regularly employed.

C. W. CADWELL, Manager, WINDSOR, ONT.

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC AND ARTIFICIAL STONE SIDEWALKS.

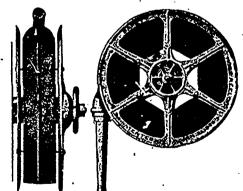
Sewer Pipes,

Best English Cements. Best Bulgian Cements

Culvert Pipes, &c.

W. McNALLY & CO., Montreal

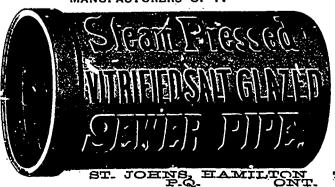
SAFETY AUTOMATIC CLIFF



Unreeling hose opens valve; water received in ten seconds. For Public Buildings and Warehouses, standard of the U.S. Government.

F. E. CAME, MFR.

17 Place d'Armes Hill, MONTREAL



Sewers

CULVERTS AND

WATER PIPES.

en: Brick Sewers

Wrste for Discounts TORONTO

ORIGINAL FORMULÆ FOR THE WEIGHT OF BRIDGES.

By H. G. Tyrrell, C.E., Boston.

RAILROAD BRIDGES.

All weight are per lineal foot of single track bridge. Steel only.

·Live loads, two engines, too tons each, and 4,000 lb. per lineal foot of track, units 10,000 lb. and 12,000 lb. per square inch.

Deck-plate girder bridge 100 +	g	1
Deck-plate girder bridge 100 + " lattice " " 100 +	8	'n
Half through plate girder		
bridge 300 +	12	I
Half through plate girder		
bridge, ties on shelt angle 200 +	81/2	I
Halt through plate girder		
bridge with solid steel		
floor 600 +	10	1
Riveted through truss		
bridge	6	1
Riveted deck truss bridge		
ties on top chord 200 +	7 .	I
Through pin bridge 400 +	51/2	ı
Deck pin bridge with		
stringers 400 +	6	1
Deck pin bridge ties on top		
chord 300 +	6	1

RAILROAD TRESTLES.

Loads as above.

Weight of spans as above.

bents and bracing=9 lb. per square foot of side profile, from ground to base of rail.

ELECTRIC RAILROAD BRIDGES.

To carry 25 ton cars, or 2,000 lb. per lineal foot of tracks, units 10,000 lb. and 12,000 lb. per square inch.

Weight of steel per lineal ft. of single track bridge are for

Beam bridges 5			1
Deck plate girder bridges. 50	+ (41/	
Pony truss bridges250	+ 0	1.5	I
Through truss bridges 250) +	1.3	ı

ELECTRIC RAILROAD TRESTLES.

Weight of spans as above.

bents and bracing=6 lb. per square foot en side profile, from ground to base of rail.

HIGHWAY BRIDGES, WITH WOOD FLOORS.

Dead weight of floor = 40 lb. per square foot. Live loads, 100 lb. per square foot,

DEBENTURES

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

G. A. STIMSON & CO.

Investment Dealers

TORONTO 24 and 25 King St. W.

MUNICIPAL **CLERKS**

When issuing Debentures for Sidewalks, Local Improvements, Sewerage, Drainage, or any other purpose, I solicit your order for calulating the schedules of the Debentures, as well as figuring the annual Tax on the property benefitted. Terms reasonable.

T. C. SCOTT, 337 Shaw Street, Toronto. Typewriting and other clerical work

and units 10,000 lb. and 12,000 lb. per square inch.

Weights are per square foot of floor, and include steel only, without joists.

Girder bridge with sidewalks... 3 + 75 without sidewalks. 3 + Truss with sidewalks.... 3 + without sidewalks. 5 +

HIGHWAY BRIDGES WITH SOLID FLOORS.

Dead weight of floor=150 lb. per square foot.

Deck-plate girder bridges.... 3 + 3 Half through bridges..... 3 + v's
Truss bridge..... 3 + 1

In the above 1 represents the length of span in feet, centre to centre of bearings.

CORK FOUNDATIONS.

In Germany cork is said to have been used with success in isolating the vibrations and consequent noise caused by machines installed in or near dwelling houses. A sheet made up of flat pieces of cork, in mosaic fashion, of corresponding size to the bed-plate of the machine, and held together by an iron frame, is laid under the machine. The source from which we gather this information also alludes to the isolation, by means of cork, of each bolt or connection between the bed-plate of the engine and its foundation, but does not describe in what manner such isolation is effected. It is, of course, apparent that the mere sandwiching of a sheet of cork between the bed-plate of a machine and its foundation would not

absorb troublesome vibrations, 🕟 🤫 each anchor bolt is a medium wh oby the vibrations of the engine may be transmitted to its foundation, thence to the floor and walls of he buildin, unless effectively isolated from the same this effective isolation is obtained by the use of cork sheeting remains to be explain ed. For our part, we should be more is clined to rely upon a specially prepare foundation of extra area and solidarity ag to a careful balancing of the reciprocating parts of the machine.-Kuhlow.

Winnipeg has completed arrangement for the introduction of the meter system's connection with its water supply. Am of 20 cents per thousand gallons will be levied upon citizens who use more that 45 gallons per room per day. The mis mum of 35 gallons per room per day will b allowed if the house has not a full comple ment of [modern conveniences. In future there will be no special lawn service rate Col. Ruttan, the city engineer, states the there is almost as much water wasted through people leaving taps running, etc. as is legitimately used.

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

Please mention the CANADIAN CONTRACT RECORD when corresponding with advortisers.

ORTLAND C



HIGHEST GRADE

SOLE AGENTS-

Bellhouse, Dillon & Co.

Largest Makers in the World.

30 St. Francois Xavier Street

MONTREAL

BELLHOUSE, DILLON & CO., 30 St. Francois Xavier St., Montrell Sole Agents for the Compagnie Generale des Asphaltes de France (Rock Asphalt).

"DYCKERHOFF" and "WHITE CROSS Brass

MORTH'S "CONDOR" ERAND, AWARDED FIRST PRIZE AND GOLD MEDIL AT THE ANTHERP EXHIBITION



PORTLAND GEMEN

Sewer Pipes Fire Bricks

Fire Clay

ALEX. BREMNER

50 Bleury Street, MON REAL

S

V

MUNICIPAL DEBENTURES BOUGHT

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

Ganada Foundry Gompany, Limited,

Engineers, Founders and Machinists.

STRUCTURAL STEEL AND IRON WORK

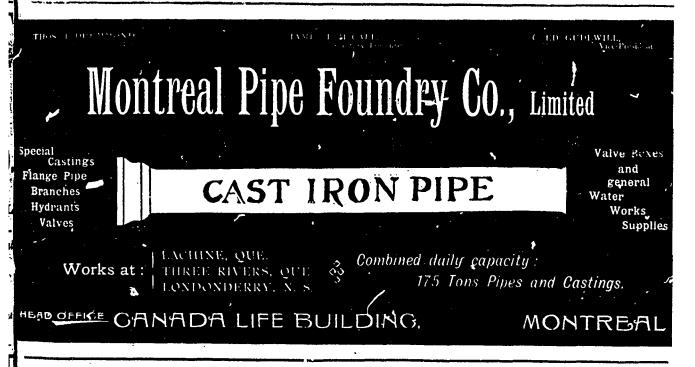
BEAMS, CHANNELS, ANGLES AND PLATES ALWAYS IN STOCK.

CAS AND WATERWORKS SUPPLIES

Cast Iron Gas and Water Pipe, Valves, Hydrants, Valve Eoxes, and Special Castings of Every Description.

OFFICE AND WORKS:

35 BERKLEY STREET, TORONTO.



ALFX. GARTSHORE, President.

J. G. ALLAN, Secretary and Treasurer.

JAS. THOMSON, Vice-President and General Manager.

THE CARTSHORE-THOMSON PIPE & FOUNDRY CO.

M inufacturers of:::

Flexible and Flange Pipe, Special Castings and all-kinds of Waterworks Supplies. GAST IRON PIPE

3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

HAMILTON ONT.

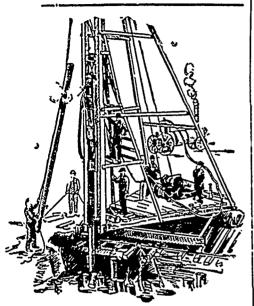
Paving Granite

Granite Sets for Street Paving. — CURBING cut to any shape ordered. — Pine Rich Colors for Building and Monumental Purposes.

Quarties, St. Phillipe d'Argentéuil, P. Q.

Address all communications to

JOS. BRUNET - COTF DES ALIGES, MONTREAL



on land or water by Steam Pile Drivers or Drop

Portable Boilers **Hoisting Engines Pumping Machinery**

TO LET

Bridg Building, Trestle Work, Wharves, Dans, Diving Submarine Work and General Contracting.

WM. HOOD & SON MONTREAL 10 Richmond 3q.

INDEX TO ADVERTISEMENTS

in the "Canadian Architect and Builder."

Architects.
Ontario Directory...III
Quebec Directory...III Architectural Sculp-tors and Carvers. Holbrook & Molling-Architectural Iron Work. Canada Foundry Co vi Dominion Bridge Co. I Hamilton Bridge Works Watson, John..... 111 Art Woodwork
Southampton Mfg.Co.111 Architects' Supplies Builders' Supplies. Johnston, J) ... 94
Montreal Dir. ctory , vii
Ontario Lime According
Robertson & Co D ii
Robertson & Co D ii
Torozto Directory... viii Building Stone Dealers.

Amhers.
Amhers Red Stone
Quarry Co...
Credit 1 orks Stone Co
Rrodie. Jas...
Heod & Son..... Builders' Hardrare.
Rice Lewis & Son. .. IV
Wheeler & Bain.... 95

Bricks. American Enameled
Brick & Tile Co
Beamsville Brick &
Terra Cotta Co... os
Toronto Pressed Brick &
Terra Cotta Co... vii

Chimney Top Morrson, J H..... 96

Contractors' Plant and Machinery Rice Lewis & Son.... IV

Comonts. Owen Sound Portland Cement Co..... vii The Rathbun Co... 94

Oreosote Stains Cabot, Samuel. ... 69

Elevators Elevators
Fensoin, John..... 1
Leitch & Tunball.... 1
Mallsch & Co.... i
Miller Bros & Toms. iv
Turnbull & Russell ColV
Williass & Co., A.R. II

Embossed Moulding Boynton & Co..... 94

Engravers.
Can. Photo-Eng Bureau..... vi

Folding Partitions. Springer, O. T..... i

Grilles and Railings.
Dennis Wire&fron Co. iv Toronto Fence & Orna-menta- Iron Works. iv Southamptor Mfg. Colli

Granite Branet, Jos ii

Gas and Ricctric Fixtures Black & Boyd Mig Co iv

Interior Decoration Elliott & Sen Co.... iv

Landscape Archi-toct Frederick G. Todd ... III

Lime.
Ontario Lime Associa-Robertson & Co....

Legal. Quinn & Morrison.. III Mantles, Grates, and Tiles. and Tiles.
Holbrook&Mellington i
Rice Lewis & Su....IV
Mail Chutes.
The Cutler Mig. Co... 1

Mortar Colors and
Phingle Stains.
Cabot, Samuel 96
Muirhead, Andrew....

Ornamental Iron
Work.
Dennis Wire&IronCo iv
Toronto Fenc & Or amental Iron Works. v
Watson, John..... III

Painters.
Montreal Directory... viii
Toronto Directory... viii

Priams. Lyon, NT, Glass Co.. 92 Paints & Parnishes
Canada Paint C. v
Imperial Var. sh &
Clar Cv. 91
Murrhead, Andrew ... 1

Parquetry Floors
Elliott & Son Co....

Plumbers
Montreal Directory... viii
Toronto Directory... viii

Rooting Materials Ormsby & Co., AB., I Metallic Roofing Co., 93 Pedlar Metal Roofi

Prestor M tal Shingle an Siding Co. Roofers Supply, Co.

Ruofors
Campbell & C...a, vis
DuthSie & ons, u vis
Douglas Bircs... vi
Forbes Roofing C vis
Nicholson & C v. D. v.
Rennie & Son, Rett. vi
Ormsby & Co., A B. 1;
Ringham, George... vi
Stewart & Co., W T. vi
Williams & Co., U. vii

tained and Decome tive Glass
Bloomfield & Son,

Shangles and Midine Metallic Roofing Co., 9 Ormsby & Co., A B., 1 Pedlar Metal Roofing

Presto Metal S ingle and Sun g Co... vi Roofers Supply Co i South Pipe.

Toronto Foundry Co. III

Stairs H J amilto 1. vi

Tiles. Lunn, Charles..... II School and Church

Furniture.
Can. Office & School
Furniture Co.... Ill

Ventilators Geo. W. Reed & Co. 11

Valera Jenkins Bros. . . . IV Robt. Mitchell Co. . g

Wall Plaster
Albert Mfg. Co...
Wire Lathing
The B. Greening Wire
Company....
Jetallic Poefing Co...
P diaCompany...

In S gal. For gal. For gal. To gal. For gal.

Municipal Officers are asked to mention THE CONTRACT RECORD when writing to advertisers.

Prices of Building Materials.

PRESSED BRICK, Per M.

MILTON PRESSED DRICK AND SEWER FIFE CO. F.0.B. F.O.B. Milton, Ont. Montreal-\$18 co 16 co 14 co 20 co 18 50 25 50 25 50 40 50 40 50 Red No. 1.....\$12 50
 Red No. 1
 \$12 50

 " 2
 10 50

 " 3
 8 50

 Buff No. 1
 15 00

 " 2
 13 00

 Brown
 10 00

 Roman Red
 30 00

 " Buff
 30 00

 " Hirown
 35 00

 Hard Building
 0 50

 " Sewert
 6 50

 " Hacking
 6 50

" Backing	0 00	11.20
TOROISTO PRESSED BRICK AND TER	RA C07	TA WORKS.
F.	0.B.	F.O.B.
Milto	a, Ont.	Montreal.
Red No. 1	3 20	28 00
2	C 50	16 00
** 3	8 50	2410
Buff No.	610	20 00
4 2	300	18 SO
lirown		25 50
Roman Red 3	000	30 50
** Buff		33 52
" l'rown		40.50
Hard Building		12 00
" Sewers		13 00
" B ck nz		11 50
Moulde I and Orun ent from \$2.0	o to S	5.00 FET 100.
Terra Cotta String Cores s and Fi	ricze,	rom soc. to
Saca per facture		
Ruofing Tiles, \$20 00 per 1,000, \$23	.co Mo	mtreal.

REALISTILLE REICK AND TERRA COTTA CO. F.O.B. F.O.B.

	Beamsville.	Montroal
Red Peerless Facing	\$15 00	\$20.50
" No.1		18 50
" No. 2		16 50
" No. 2	₹∞	14 00
Brown Peerless Facing	30 00	# \$ 50

Be	amsville. I	Montreal.
Buff Peerless	. 20 Ou	25 40
" No. 1		23 50
" No. 2	. 15 00	20 50
Monided and Ornamental B ic	from So to	Sto per C
Roman Red (Size 12 x 4 x 1 % in.). 2802	33 50
Roman Red (Size 12 x 4 x 1 % in. Buff Brewn	23∞	33 50
Brown "	. 74 00	30 20
Vitrified Paving Brick No. 1	1800	23 20
" " No. 7	1500	20 50
Dewer	030	12 00
Roofing Tile		36 00
STONK.		
	Toronto.	Montreal.
Commen Rubble, per tosse,		
delirered	1000	11 00
Large flat Rubble, per toise,		_
delivered	11 00	1200
Foundation Blocks, per c. ft.	30	\$0
Granite (Stanstead) Ashlar, 6		
in to rain., rise oin., per ft.		15
Amherst Red Sandstone.		~-
Amherst. N.S., per cub. ft. Sackville, N.B., brownstone	8.	75 75
Masillon	20.00	73
Stanstead granite paving	30 00.	
blocks, 8 in.t 12 in.x6 in.		
x4% in. per M		50 00
Granite curbing stone, 6 in.x		•
ne in. per lineal foot		70
Bactage Olive Freestone	95	
Moat red sandstone, per cu. ft	••••	So 65
Black Parture buff stone, per cu	L ft,	Şo.
Nova Stotia blue grey, per co. (l	65
		. Halifax.
Pimension stock granite for bu	iki.	_
ing purposes, per cubic foot .	••••	2o t∩
I o., for polishing purposes, up	10 >	
tons weight, per cubic foct	•••	,1 00
Paving sets, per thousand block	• • • •	60 00
CREDIT VALLEY	STONE.	
		Onerrise

Paving sets, per thousand block.	600
CREDIT VALLEY S	TONE.
	F.O.B. Quarries
Rubble, per car of 15 tens Brown Coursing, up to 10 in.,	` 70
per sup. yard Brown Dimension, per cub.ft	1 50 to 1 7 6
Grey Coursing, per sup. yard Grey Dimension, per cub. ft.	10
SLATE.	Toronto. Montreal
Rocher (# square).	17.50 90.0

	•
	Toronto, Montre
n parple	£50 10
ding green	
plack	
Tena Cotta Ti.e per sq	
Orramental Black Slate Roof	ne 880 6
GEMENT, I	IMR, etc.
Portland Cements -	
" Josson " Brand Portland	. 305 325 270 2
North's "Condor	205 310 250 2
Alsen's (German)	300 315 267 3
"Karlstadt" (German) English, artificial, per bbl.	2 85 3 05 2 55 2
English, artificial, per bbl.	. 285 300 235 3
Belgian natural, per bbl.	3013
Rathbun's Star, per bbl	. 2 65 3 ∞
Beaver,	. 255 290
	2 40 2 75
Untaile	1 50
Roman	2 50 \$
Parian "	325 525 57' 5
Keene Superfine "Whites". Keene s Coarse "Whites".	. X : 00 13 00 Q CO 13
Keene v Coarse "Whitev".	. 8 850 850 P
Raevel's Helgian,bbl.396lb	, 21° 34
Levie Bros.	9,45 35
Fire Bricks, Newcastle, per M	30 00 35 00 160. 31
" Scotch	30 00 35 00 19 0 11
Lime, 100 lbs., Grey	. 30
" White	35
Plaster, Calcined, N. B	. #00
Hair, Plasterers', per bag	. \$0 100 °
ARCHITECTURA	L VARNISHES.
THE IMPERIAL VARNISH A (Highest	MD Color CO, Ith . mar.
(srignest	Einnel
	5 7 5

Exterior wearing body... \$, 50\$\$7 \$5.\$35 \$1.55 \$

(Cans free.