# CANADIAN

# **Contract Record**

A Weekly Journal of Public Works, Tenders, Advance Information and Municipal Progress

This Paper Reaches Every Week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers, Purchasers of Municipal Debentures and Leading Contractors in All Lines Throughout Canada

TORONTO, MONTREAL, WINNIPEG, FEBRUARY 1, 1905

THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY an Intermediate Edition of the Canadian Architect and Builder.

VOL. 15.

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Telephone Main 2303. Branch Offices : 36 Alliance Building, Montreal, Telephone Main 2999. 730-731 Union Bank Building, Winnipeg. 21 Great St. Helen's, London, England.

## Debentures for Sale

Offers will be received at the Clerk's Office, Seaforth, up till noon, FEBRUARY for State for \$400 Local Improvement Debentures, pay-able in 15 years. Interest at 4/6 per cent, pay-able in 15 years. Interest at 4/6 per cent, pay-able yearfy. The highest or any offer not nec-essarily acceeted. The debentures are \$400 each.

WM. ELLIOTT, Clerk

## CONCRETE PILES

For Frocuring Chap Persanent Flanks in Filled or Soft Grounds I am prepared to put in concrete piles or to furnish contractors with the necessary cores on a Royally basis, under my Patents. Estimates furnished on application. Address

dress A. A. RAYMOND, Office of Medler & Arnott, Foot of Berkeley St., Toronto, Ont,

# **Tenders for Debentures**

Sealed tenders will be received by the under-signed up to noon of Friday, the toth day of February, sog, for the purchase of fit.go.co. Local Improvement Debeatures (cement walks) of the Town of Onhawa, bearing interest at 4% annual installments, of principal, as a interest. Accound instead to the purchaser. The highest or say tender not necessify ac-cepted.

THOS. MORRIS, Oshawa, January 23rd, 1905,

# **TENDERS FOR** DREDGING AND FOUR BRIDCES

Sealed enders will be received by the under-raned until a O'CLOCK P.M. on THURBDAY, RRUANY rato, too, for dredging about 3/4 lies in the Rivard Drain, in the Township of over, County I Kent. Also for building two cell and two wooden bridges over and drain. Plans and specifications can be seen at the fice of A. McDonell, civil engineer, in the city Chatham.

hatham. he lowest or any tender not necessarily ac-

ed. nders to be marked "Tenders for Dredging, for Bridges "respectively. H. N. BECHARD, Commissioner, Dover South P.O.

## SITUATIONS VACANT.

Wanted by an institution engaged in numer-ous building operations, young architect or ar-building operations, and a set of the set of the possessed of some practical knowledge and with an aptitude for detail. He will be required to scrutinize plans and specifications furnished by architects; keep in communication with the clerk of the different works; see that detailed working drawings are promptly placed in the hands of the various contractors; and generally to exercise a systematic supervision of the oper-ations. Permanent position. The salary will ity of the appointee. Box 66, CONTRACT RE-CORD, Toronlo, Ont.

# Tenders for the Supply of from 1000 to 1500 **Tons of Asphalt**

Sealed tenders, addressed to the Chairman of the Committee on Works, for the apply of from f,coo to 1, 500 tons of asphall for street paving for the City of Winniper, will be receiv-ed at the office ef the undersigned up to 5,30 p. m. on TUK-DAY, FEBKUAKY 2181, 1905. Specifications and forms of tender may be ob-tained upon application at the office of Col. H. N. Ruttan, City Engineer. Winniper, by H. ac-cepted cheque or cash deposit for the sum called for up the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract, with approved surveites, if called upon to do so.

to do so. The cify reserves the right to reject any or all tenders or to accept any bid which appears ad-vantageous to the City of Winnipeg.

C, J. BROWN, City Clerk. City Clerk's Office, Winnipeg, Jan. 27, 1905.

# Tenders for Bridge

A DIRUCTO IVI DIRUCO
 Sendei tenders addreased to R. Nicholson, Raq., Revev of Arran T., will be received up to 6 p.m. Raturation of following: Arao Cement-Concrete Bridge Abutnents, containing some tractic yards.
 One Steel Bridge to foot span C-C, to foot roadway, Live Loads to lab. per so, ft., Mov-ing Load 6 tons on 6 ft. asles.
 Bridge as above with cedar flooring and the containing and the contained flooring and contained anabove with cedar flooring and the contained of the source of the source of the contained of the source of the source of the contained of the source of the source of the contained of the source of the source of the contact of failing in the performance there and on the saucompany each tender, to be foreited in case of the source soil tendered and the contact of failing in the performance of the source of the source of the source soil tender and the contact of failing in the performance of the source of the source of the and the contact of failing in the see of non-the of the source of the source soil tendered and to be returned in case of anon-the source of the source soil tendered and the source of the source soil tendered and the tentained the source soil tendered and the source of the source soil tendered and tendered and the source source of tendered and tendered and the source source tendered and the source source tendered and tendered and the source source tendered and the source tendered and tendered and the

cepted. R. NICHOLSON, ESQ., R. McDOWALL, C. E. Reeve, Tara. Township Engineer, Owen Sound.

Wanted — A Competent Draughtsman for Architect's Office; one capable of taking entire charge during proprietor's absence. State salary wanted and give idea of previous experience. Address Box 67, CONTRACT RECORD, Teronto, Qui.

No. 51

# **TO CONTRACTORS**

Separate or lump tenders will be received until FRIDAY, THE 17TH OF FEBRUARY, for the erection of a

Large Power House Building which will be built of eith r cut stone or granite, and will be erected adjacent to Queen Victoria Park, at Niagara Falls, Ont., for the

Electrical Development Co. of Ontario, Limited

Plans and specifications (an be seen and all other information obtained at the office of the architect, Torouto, and also at the office of the company, Queen Victoria Park, Niagara Falls, Ont,

E. J. LENNOX, Architect, Toronto.

# **TENDER FOR** Supplying and Laying Submerged Pipe

Sealed tenders marked "Tenders for Sewer Oullets," and addressed to M. W. Flannery, Town Clerk, will be received by the Corporation of the Town of North Bay, Ontario, not later than 12 o'clock noon of the 20th DAY OF PERBUARY, 1905, for the supplying of material and labor necessary in connection with the con-struction of two submrrged sever outlets of cast iron pipe 13" diameter each 640 feet long. Plans, defails, specifications and form of pro-posal may be seen at the office of the Town Knginee?, 6, O Clarke, and from whom copies can be obtained. The lowes or any tender not necessarily ac-cepted. M. W. FLANNERY, Town Clerk,

M. W. FLANNERY, Town Clerk.

North Bay, Ontario, January 27th, 1905.

#### TOWN OF EAST TORONTO PROVINCE OF ONTARIO

#### TENDERS FOR

# PUMPING STATION

Tenders will be received by the undersigned up to 8 p.m. on MONDAY. FEBRUARY 2018, 1995, for providing the materials and labor re-quired for the erection of a

#### Reinforced Concrete Pumping Station at the foot of Beech Ave., East Toronto.

at the root of nexts attended to the second and forma of tender obtained at the effice of the under-signed, or at the Head Office of John Galt, C.E. & M.E. Chief Engineer, Toronto. A certified bank cheque for \$500 must accom-pany each tender. W. H. CLAY, Clerk, Town of East Toronto.

#### CONTRACTS OPEN.

SWIFT CURRENT, N.W.T. Muggleston intends building a new residence.

STRATHBURN, ONT. John Tr tain purposes building a residence in the spring.

and Levi Mays each intend building brick houses. "

grist mul recently burned,

CORNWALLIS, N. S.-James Mc-Gowan intends rebuilding his cooperage mill recently burned.

GALT, ONT .- W. M. Davis, C.E., has been instructed to prepare plans for proposed lateral sewers.

WEYBURN, N.W.T.--J. A. Mitchell purposes building a warehouse and store on corner of Main street.

WOODSTOCK, ONT. - The Canadian Bank of Commerce will erect a bank building here to cost \$20,000.

MASHAM, QUE.—The members of L.O.L. No. 28 are preparing to build a new Orange hall at Lascelles Corners.

PETERBORO, ONT .-- It is under-stood that the Bank of Nova Scotia purpose erecting a bank building here.

LADYSMITH, B.C.-It is under-stood that Chinese capitalists have de-cided to build a large saw mil at Canton

BRANTFORD, ONT .- J. A. Smith, Township Clerk, wants tenders by 4th inst. tor supply of cement, lumber and hardware.

ST. CATHARINES, ONT. -B. Welstead intends building a two-storey brick veneer house on William street, to cost \$2,700

OWEN SOUND, ONT. - It is expected that the Dominion Government will build a new post office here in the near future

RICHMOND, QUE.-It is reported that the Grand Trunk Railway contemthe enlargement of the present plate round house.

ST. JOHN, N.B.-G. E. Fairweather, architect, is this week taking tenders on a brick building to be erected for Raymond & Doherty.

NIAGARA FALLS, ONT. - It is understood that the City Council are about to ask for tenders for auxiliary pumping apparatus.

WHEATLEY, ONT. William Trembley has purchased a site, corner Erie and Foster streets, and intends building a residence.

SYDNEY, N.S.-A company of English capitalists propose establishing large cement works here and have asked for a bonus of \$10,000.

BURK'S FALLS, ONT .- G. H. C. Swain, V.liage Clerk, has just taken tenders on extension of 300 feet of 10-inch water main into the lake.

POPLAR, B.C.—The Lardeau Valley Mines, Limited, a Spokane concern, will erect a mill and concentrator about six miles west of this place.

BROCKVILLE, ONT .- Senator Fulford has donated \$10, coo to the Brock-ville General Hospital for the erection of a suitable home for the nurses.

QUEBEC, QUE.-Steps are being taken by the congregation of St. Mat-thew's church, of which Rev. F. G. Scott is pastor, to erect an addition to their building.

SEAFORTH, ONT. - Tuckersmith Township Council will not decide upon the location of the proposed steel bridge to replace the Campbell bridge until after the spring freshet.

FREDERICTON, N. B .- It is improbable that the Estey saw mill which was burned last week will be rebuilt. The building was owned by Senator Thompson.

GLACE BAY, N.S.-D. A. Hewitt, architect of the Department of Public Works, Ottawa, was here last week for the purpose of selecting a site for a new public building.

PEMBROKE, ONT.—The Petawa-wa Power Co. have submitted to the Town Council the terms upon which they desire a franchise for furnishing light and power.

NELSON, B. C. - The School Board will petition the Council to submit a by-law to the ratepayers to raise \$40,000 for a new public school building, which is greatly needed.

EDMONTON, N.W.T.-It is likely that tenders will be invited this week for the waterworks and sewer extension here. Willis Chi, man, C.E., of Toronto, is the consulting engineer.

GODERICH, ONT .- Steps are likely to be taken in the near future to improve the water supply of the town. It is probable that the electric light plant wi 15 al o be modernized.

SELKIRK, MAN.—The Town has applied to the Legislature for permission to issue bonds to the amount of \$100,000 for the establishment of a sewerage system and other improvements.

CARP, ONT .-- T. A. Brown, Secre-ry School Board, desires tenders by tarv Wednesday, February 15, for erection of a school house here, from plans by J. MacLaren, 104 Sparks street, Ottawa.

POINT-AUX-TREMBLES, OUE. Plans have been prepared for new school buildings to be built here, to cost about \$60,000. Particulars may be obtained from Rev. William Shearer, of Sherprooke.

MORRIS, MAN.—At a public meet-ing held last week it was decided to ask the Dominion and Provincial Govern-ments for financial assistance towards the construction of a traffic bridge over the Red river.

EAST TORONTO, ONT.-. The Globe Funriture Co., of Walkerville, Ont., are still negotiating with the Town Coun-cil for the establishment of a plant here. They are willing to spend \$50,000 on plant and building and building. plan

SHELBURNE, ONT .- The Central Dufferin Telephone Association, of which Dr. R. Rooney is president, proposes to extend the line four miles into Amaranth Township and seven miles to Black's Corners.

PORT STANLEY, ONT .- It is understood that the new owners of the Fraser House have extensive improvements in contemplation. The hotel is to be completely renovated, an electric plant installed and an incline railway built, to be operated by electricity.

CAMPBELLFORD, ONT. The roposed by-law to provide for an electric light plant has not yet been submitted to the ratepayers, as the Waterworks and Electric Light Commissioners are con-sidering a more extensive expenditure than was at first proposed.

COLLINGWOOD, ONT.-Capt. G. Pearsall has decided to build a large brick warehouse on Pine street.-The Department of Public Works, Ottawa, are asking for tenders up to Friday, February 17th, for construction of a wharf here. Plans on application to the Postmaster.

Postmaster. PORT BURWELL, ONT. — Addi-tional work will be undertaken this spring in connection with the harbor here. A breakwater 800 feet long will be built and the east pier will be lengthened

and feet. Another work that will be undertaken is the diversion of the Otter river.

ST. MARY'S, ONT. I. A. Humphris has submitted to the Town Counci estimates of the cost of a new steel bridge to span Trout creek .- Will's Chipman, C Toronto, has been commissioned E., of to submit estimates for improvements to waterworks and electric light plants, the including new pumps and new dynamos.

WINDSOR, ONT. — The company which will build an electric railway from this city through Leamington and Kings-ville to Chatham will be known as the Windsor, Essex and Lake Shore Rapid Railroad Co. Their American head-quarters are at 1020 Chamber of Com-merce, Detroit. Work is expected to commence this spring.

BATTLEFORD, N. W. T .- Tenders BATTLEFORD, N. W. T.—Tenders are invited by the Department of Public Works, Ottawa, up to Monday, Febru-ary 20, for construction of three concrete piers and one abument at this place. Plans on application to the Postmaster and at offices at Z. Malhoit, resident engineer, Winnipeg, and Paul Paradis, resident engineer, Calgary.

CHILLIWACK, B.C. — The Chilli-ack Light & Power Co., of which J. B. Morgan is manager, are planning to commence work early in the spring on their power plant and electric railway, the latter to extend from Chillwack to New Westminster. The power plant and transmission line is estimated to cost \$125,000.

SASKATOON, N.W.T.-At a meet-ing of the Board of Trade last week, a resolution was passed asking for Government assistance for the immediate construction of a combined railway and traffic bridge.—The Fire, Water & Light Committee have recommended the erection of a hose tower and purchase of a hook and ladder truck and two ladders

HAMILTON, ONT .- The directors of the Hamilton, Grimsby and Beams-ville Railway have under consideration a plan to extend the road four miles from Vinemount.-The Bay Front Committee of the City Council have decided to petia revetment wall 1,875 feet in length to protect the shore, it being the opinion that the sheet piling which was proposed would not be sufficient.

VICTORIA, B.C .- There is an agitation in favor of improving the electric light plant and it is probable that some light plant and it is probable that some steps in that direction may be taken this year.—Arthur L. Adams has been en-gaged by the City Council to report on proposed waterworks improvements. He proposed by the City Council to report on proposed waterworks improvements. He will report on both the Goldstream and Beaver Lake systems.—It is learned that the British Columbia Electric Railway Co. intend constructing a branch line to the Gorge this coming summer.

OTTAWA, ONT. - J. MacLaren, architect, has prepared plans for a new school house to be built at Carp, Ont.-The School Board will, at an early date, consider plans to provide increased school accommodation.-The Central Counties Railway Co. have petitioned the Dominion Government for authority to build a bridge from Point Fortune, on the south side of the Ottawa river, to Carillon, County of Argenteuil, also to construct a railway from Carillon to Montreal -- Plans of wharf to be built at Collingwood, Ont., and three concrete piers and an abutment to be constructed at Battleford, N.W.T., may be seen at the Department of Public Works in this city.

MONTREAL, QUE.-L. O. David, City Clerk, is asking for tenders' up to noon on Thursday, 9th inst., or the sup-ply of 5,000 feet of double jacket cotton

KILLYLEAGH, ONT .- David Allan

FEVERSHAM, ONT .- The Osprey Muluag Co. have decided to rebuild their

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### CANADIAN CONTRACT RECORD

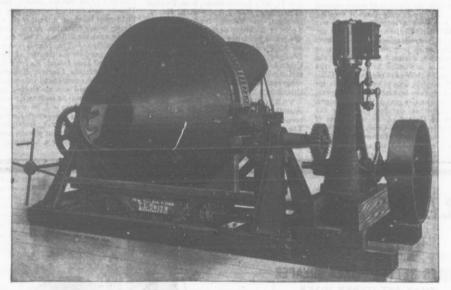
# Smith Concrete Mixer

MIX RAPIDLY AND THOROUCHLY. IN USE THROUGHOUT CANADA DEMONSTRATE THE GOOD POINTS OF A MACHINE WHICH HAS

DISCHARGE BY TILTING WHILE RUNNING

EARNED THE REPUTATION OF BEING

# "A PERFECT MIXER."



1905 Model - Discharging Side.

Austin Gyratory Crushers Cyclopean Concrete Buckets Kinnear Steel Rolling Doors Bucyrus Steam Shovels Contractors' Lights Railroad Plows, Etc.

W. H. C. Mussen & Co. RAILWAY. MINING AND CONTRACTORS' SUPPLIES Montreal fire hose 2¼ in 85-ft. aerial ladder truck, 1 H. & L. truck, 3 hose wagons, 3 hose sleighs and 1,000 hydrant valves; also up to Thursday, March 2nd, for furnishing one 1,000 Imperial gallon steamer.— The City is applying to the Quebec Legislature for power to establish a drainage system for St. Denis ward and the Sewage Farm through the territory of outside municipalities, to empty into the Ottawa river.—It is reported that David Russell is the promoter of the \$3,000,000 hotel which it is said will be built in this city.—The directors of the Annex Presbyterian church have had plans prepared for a new building to be built on the corner of St. Viateur and Hutchison streets; estimated cost, \$15,-000. The committee in charge are J. P. Gladston, W. Kennedy and J. Parsons.

LONDON, ONT.-F.W. Farncombe, C.E., is asking for tenders up to Februarry 3 for the construction of a deep tile drain in the townships of London and Lobo.-The City and County will probably join in the erection of a new registry office.-At the County Council meeting here last week a recommendation was adopted that Commissioner Talbot act with the commissioners from Lambton and Huron to prepare plans, advertise for tenders and award contracts for the Aux Sauble river near corner of McGillivary Township, also to prepare plans for other bridges to be built during this year, including the Gray and Sylvan bridges. It was further decided to notify the County of Oxford of the willingness of the Middlesex County Council to join with hem in the erection of there new bridges on the line between E ist and West Nissouri and a bridge over the Thames river north of Putnam.—The Sovereign Bank propose establishing a branch bank in this city.

WINNIPEG, MAN.--William Whyte, of the C.P.R, has been in Montreal consulting with the president and directors, and states that about \$4,000 ood will be expended in improving the railroad, including 500 miles of new track between Montreal and Winnipeg. A number of new stations will be built. It has been practically decided to double track the line from Fort William to Winnipeg, but the report that the contract has been given to Foley Bros. is not officially confirmed.--St. Giles congregation are considering plans for the enlargement of their church building. -- Tenders are about to be invited for the following works: Macadam pavement on McMillan ave., from Pembina street to Hugo street, cost \$1,280; sewers, Kingsway street, from Wellington crescent to Haro street, cost \$3,580; Lipton street, from Portage to B II ave., cost \$2,225.-F. R. Evans, architect, is taking tenders up to 8 p.m. of Saturday next for the erection of a frame residence on stone foundation for R. Fletcher.-The Canada Malting Co. have submitted a proposition to the Council to erect in this city a four-storey malting house.-The German Lutheran congregation will likely rebuild their church on a new site.

VANCOUVER, B.C.—Edward Lewis intends building a two-storey block on corner of Pender and Seymour streets.— The block to be bulk at corner of Richards and Pender streets by Dr. Powell, of Victoria, will be started shortly. It is said that buildings to the value of \$300, 000 are planned to be built on Pender street during the coming summer. The portion of this street lying between Granville and Hamilton streets is to be paved. —The City Engineer has cleared a site for the proposed new reservoir, which will have a capacity of 15,000.com og allons and will cost about \$30,000. A new main under the Narrows is also proposed.— The prospectus of the proposed Vancouver Athletic Club has been issued. Five different sets of plans have been prepared for the projected building and the promoters hope to be in a position to commence the work within a few weeks. The proposed site is at the corner of Dunsmuir and Beatty streets.—McWhinney & Lewerke announce their intention of erecting a brick and stone business block on north side of Hastings street, adjoining the Rubinowitz Departmental Stores, to be 33x90 feet and three stories high. Plans are being prepared and tenders will be invited shortly.—S. Swabagano, of Wetaskiwin, N.W.T., has purchased a to on Pender streets, between Hornby and Burard streets, on which he intends building a residence. — The Young Men's Christian Association will let the contract within a short time for a new building.— The papers have been finally signed for the transfer of the Vancouver and Lulu Island Railway to the British Columbia Electric Railway Co. Work will be commenced interdiately to convert the road into an electric system. A sub-station will be built at Eburne and electric locomotives will be used in the bandling of freight.—James Findlay has purchased a lot on Pender streets, hetween Granv. He and Seymour streets, and purposes building thereon a brick and stone

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business block.—E E. Blackmore and W. T. Whiteway, architects, are jointly preparing plans for a wirehouse to be built on corner of Water and Abbott streets by McLennan, McFeely & Co. It will be of white pressed brick with stone will be of white pressed brick with stone trimmings, three stories and concrete basement and will have a frontage of 66 feei on Water street and 132 feet on Abbott street. Tenders will be invited within a few days.—Philp White is ar-ranging to build a three-storey business block on Granville street, to be  $85 \times 50$ feet and built of pressed brick and cut stone. W. T. Whiteway, architect, is preparing plans.—The Vancouver Lum-ber Co. are having plans prepared for a large addition to their saw mill. TORONTO, ONT - h is announced

large addition to their saw mill. TORONTO, ONT. - It is announced that Mark Fisher & Sons, dry goods merchants, Montreal, intend building a five-storey cut-stone warehouse at &4 Bay street, this city. - Dr. Bond purposes building a brick residence on north-east corner of Yonge street and Roehampton ave. -A. E. West, of Brantford, will build a residence on Broadway, North Toronto. -Plans of wharf to be bult at Colling-wood, Ont., by the Dominion Govern-ment may be seen at the office of H. A. Gray, C E., Confederation Life Building, this city. Tenders close February 17.---The Board of Control are asking for ten-ders up to Tuesday, February 7, for the ders up to Tuesday, February 7, for the construction of an hydraulic dredge, also construction of an hydraulic dredge, also pipe sewers on the following streets : Aberdeen ave., from Parliament street to 222 feet east of Ontario street ; Royce ave., from Symington ave. to G. T. R. tracks ; Hallam street, from Ossington ave. to Shaw street.—The York and Tor-onto Radial Railway Co. have plans un-der way for considerable setuding the der way for considerably extending the radial railway system around Toronto. The extension from Long Branch to Oakville will be undertaken at an early date and the Metropolitan extension to Lake and the Metropolital extension to Lake Sincoe will be commenced as soon as spring opens.—Dr. Sheard has reported that the cost of constructing a public swimming bath near the City Hall would be \$25,000 for a brick building with con-

# CANADIAN CONTRACT RECORD

crete halls and floors and containing 12 bath rooms, 12 shower baths and two plunge baths.—The Management Com-mittee of the Board of E-lucation have recommended that a new school be tuilt in the vicinity of Huron and Bithurst streeets, north of Bloor street.—E. J. Lennox, architect, is asking for tenders up to February 17, for the erection of a cut stone or granite nower house building at some or granite power house building at Niagara Falls, Ont., for the Electrical Development Co. of Ontario.—The Can-adian Back of Commerce are about to build three branch banks in this city, the locations being corner College street and Dovercourt road, corner B oor street and Dovercourt road, corner B oor street and Lansdowne ave., and on Queen street west, Parkdale.-P. S. Gibson & Sons, York Township Engineers, W llowdale, have just taken tenders on building a lurge bridge on Summerville ave., near Yonge street.-The present contract for lighting the city expires at the end of this year, and the Fire and Light Committee will at an early date consider the question of installing a civic plant for lighting the streets and municipal buildings. -The congregation of St. Cyprian's church, Dupont street, have subscribed \$2,350 for the erection of a new edifice.-Build-ing permits hive been granted as foling permits have been granted as fol-lows : R. C. Vaughan, two pairs two-storey and attic brick and stone dwel-lings, east side Bathurst street, near College, cost \$8,000 ; K. McKenze and W. McKain, pair 21/2-storey brick ve-

neered dwellings, stone foundations, north side Halam street, near Preston ave., cost \$2,500; S. J. Graydon, two-storey and attic stone and brick dwel-ling, 128 Spadina road, cost \$4,500; Dr. John Hoskin, two-storey stone and brick addition to residence, 21 Dale ave., cost \$1,500; Canada Liunch Works, Limited, two-storey office and one storey workshop, frame and steel clad, east side Carlaw ave., near East-ern, cost \$2,500; Mrs. Lela S. John-son, pair two-storey and attic brick dwel-lings, north side Langley ave., near Broadview, cost \$3,850; R. Saunders, two pair two-storey concrete, stone and brick dwellings, Concord ave, near Northumberland street, cost \$6,500; McCuley & Bishop, two pair two-storey and attic brick and stone dwel-lings, east side Markham street, near Harbord, cost \$8,000; William Apps, pair two-storey brick dwellings, 901 and 003 Bathurst street, cost \$4000; Mr. Harbord, cost \$8,000 ; William App pair two-storey brick dwellings, 901 ar 903 Bathurst street, cost \$4,000 ; Mr. Cawthra, interior alterations to store, cast bronze and plate glass, south-west

#### SAND The Water Washed Variety

GRAVEL

Slag for foundations and fireproof work. SAND & DREDGING LIMITED, Tel. M. 4507. John Street Dock.

Was awarded the Gold Medal at the St. Louis Exposition 1904

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Rock Cruhers, Klevators and Screens to specification. Rock Cruhers, Klevators and Screens to Successful and Screens and Caris. Newest style moulds for concrete drain tiles, all sizes. Engines specially built for drawing and driving above.

SAWYER & MASSEY CO. Road Machinery Dept. HAMILTON -- -- 0 CANADA

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.

> **Other Mixers and Concrete** Mixing Machinery. Send for Catalogues.

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



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Montreal Office : 185 St. James Street.

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J. A. I., WADDELL, Mem. Can Soc. C. E. Mem. Inst. C. E. Mem. Am. Soc, C. E.

# Waddell & Hedrick

KANSAS CITY, MO.

Canadian Head Office : Manning Chambers, TORONTO, ONT.

JOHN S. FIELDING Mem. Soc. C. R. West Peun, '87. CONSULTING ENGINEER.

WELLAND, ONT.

**Steam Shovels** 

suit any work.



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2,500,000 square yards laid in America. FOR PARTICULARS APPLY

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Yonge and Temperance street, corner cost \$18,000.

6

#### FIRES.

FIRES. Flour mill and elevator at Trebrne, Man., owned by C. Wiechman, complete-ly destroyed, loss \$15,000 – Saw mill at Ravena, Ont., owned by Albert Mac-Kean, loss \$2,000 – Premises of the National Rubber Co. and J. W. Kilgour & Bros., wholesale furniture warehouse, Craig street, Montreal, damaged to extent of \$75,000. The buildings belong-ed to the Jesse Joseph Estite. -Block at Campbel tord, Ont., owned by Mrs. Townsend, partially destroyed. -Three-storey brick building at Collingwood, Ont., owned by S. W. Lindsay, damaged to extent of \$20,000, covered by insur-ance.-Thibodeau block on Main street, Pembroke, Ont., occupied by Grave Bros., boots and shoes, R. Goody, paints, oils and wall paper, and Pembroke Elevicie Linkt Core offices and Pembroke oils and wall paper, an Electric Light Co's offices.

#### CONTRACTS AWARDED.

MOOSE JAW, N.W.T. - Contract for new customs house and post office here has been let to Patrick Navin; esti-

mated cost, \$25,000. MITCHELL, ONT.—The Mitchell Bridge Co. have secured the contract for the superstructures of the Cranbrook and White's bridges in Grey County ; price \$3,339

GALT, ONT .- David Chalmers, Owen Sound, has secured the contract for the reconstruction of the subway here. Work will be commenced about March 1st.

FORT FRANCES, ONT.—It is re-ported that the contract for the con-struction of the large power dam at this place for the Buckus Co. has been let to Pemmier & McGuire, of Providence, R.I.

STRATFORD, ONT.-Contracts for new Queen's Hotel have been let as folnew Queen's Hotel have been let as fol-lows: Brickwork, Wm. Filey; carpenter work, Ruston Bros; plastering, Thos. Henderson; painting and glazing, A. E. Cash; tinning and galvanizing, George Harkness; tile floorings, Rice Lewis & Son, Toronto. Building will be red brick, three stories, with tower, and will be commended about March U. be commenced about March 15.

TORONTO, ONT.-A. B. Ormsby, Limited, of this city, have been awarded the contract for metal ceilungs for the new Eaton departmental store in Winnipeg, the contract amounting to over one quarter million square feet.-Sproatt & Rolph, architects, have awarded con-tracts as follows for new club house for the Royal Canadian Yacht Club : Car-penter work, A. Weller & Co.; painting and glazing, Joseph McCausland & Sons; plumbing, etc., Keith & Fitzsimmons ; plastering, Davery Bros. TORONTO, ONT.-A. B. Ormsby,



# **Fire Clay Products** BONN Codes used, A.B.C. and Glenyards. Cablegrams : Glenyards, Bonnybridge.

Manufacturers of all kinds of Fire Clay Goods, Ganister and Silica Goods, for Iron and Steel Works and Gas Works, including Boiler Seating Blocks and Covers of all sizes. Ground Fire Clay, Ganister and Silica in all kinds



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LIMAX ALL STEEL

February 1, 1905

#### ANNUAL MEETING OF CIVIL ENGINEERS.

The annual meeting of the Canadian Society of Civil Engineers opened in the Society's rooms, Montreal, on Tuesday, January 24th, with the president, Lieut .-Col. W. P. Anderson, of Ottawa, in the chair. There were probobly one hundred members present.

The report of the council was read. It stated that the total membership was 1,253, mide up of 10 honorary members, 386 members, 382 associare members, 38 associates, and 437 students. The member-hip in the preceding year was 1,145. The Gzowski medal for 1903-4 had been awarded to Mr. J. A. Jamieson for his paper on "The Pressure of Grain in Deep Bins, and the Problem of Grain Bin Design." Prizes for students' Electrical, Mr. C. H. Wright, "An Investigation of a 16-Kilowatt Constant Current Transformer"; mining, Mr. L. Heber Cole, "The Centre Star Mine, Rossland, B. C."; general, Mr. J. M. Hogan, "Port Colborne Harbor Works," The examiner for the mechanical section had reported that none of the papers submitted to him were of sufficient merit to justify recommendation for a prize.

A desultory discussion took place upon the best way in which the society could help those residing at remote distance from headquarters and it was decided that the Council should take the matter up and endeavor to formulate plans for making the society more interesting and valuable to outside members.

In the evening the President delivered his annual address, in which he said in part : "As engineers, we have good reason to feel proud of our past achievements. and by them we know that we are justified in looking forward confidently to a brilliant future. This splendid young country owes much to those members of our profession who developed its network of railways, its system of canals, its public works, its mining machinery, and its spler.did mechanical and electrical installations. With increased population and resources, the demand for further railway and industrial extension is rapidly growing greater and more urgent.'

The President referred to the water powers of the country and pointed out that a further source of prospective riches to Canada was the plentiful presence of the constituents of Portland cement in places convenient for shipment. The inception of another transcontinental railway was spoken of as the most important event of the year in Canada, from an engineering point of view, and it was stated that this great national undertaking would for many years to come create a demand for the services of engineers of all grades, that could not but be stimulating to the profession.

A subject that appeared to demand the immediate attention of the society, was the advocacy of the establishment of some central bureau for the registration of plans of all surveys in Canada, and cognate to this question was that of better surveys of the whole Dominion. Work heretofore done had not been based upon any gener-



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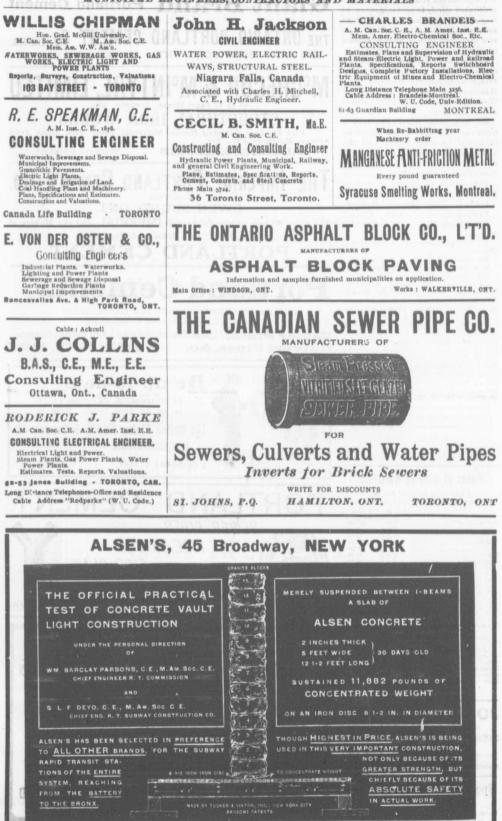
Waterproofing for Brickwork 

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February 1, 19-5

## CANADIAN CONTRACT KECORD

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS





al comprehensive scheme, but had been undertaken merely to meet exigencies as they arose. Canada had now surely grown sufficiently large and important to warrant the adoption of a general scheme connecting the country geodetically.

The members spent most of the second day in visiting the works of the Dominion Bridge Company, the Dominion Wire Manufacturing Company, the Dominion Wire Rope Works, and the Allis-Chalmers Bullock Company.

Mr. E. M. Archibald, B. Sc., read a paper on "The Effect of Load Factor on the Cost of Electrical Power," and Mr. C. B. Smith spoke on " The Construction of the Canadian Niagara Power Company's Plant, Niagara, Ont.'

The election of officers resulted as follows :

President-Ernest Marceau, Montreal. Vice-president-C. H. Keefer, Ottawa.

and Vice-president - D. McPherson, Montreal, 3rd Vice-president-G. A. Mountain,

Ottawa.

ard Vice-president—G. A. Mountain, Ottawa.
Treasurer—H. Irwin.
Secretary—Prof. McLeod, Montreal.
Librarian—H. R. Lordly, Montreal.
Counciliors—John Kennedy, Montreal.
W. S. Tve, Montreal; D. A. Keefer, New Westminster; C. H. Rust, Toronto;
A. E. Doucet, Quebec; Phelps Johnston, Lachine; R. W. Leonard, St. Catharines;
P. W. St. George, Montreal; W. B. Mackenzie, Montcon; Dr. Owen, Montreal; M. J. Butler, Ottawa; R. J. Durley, Montreal; D. P. B. Porter, Montreal, and H. C. Burchell, Newfoundland.
Dr. E. Haanel, Dominion Superintendent of Mines, read a paper on "The Electro-Thermic Production of Iron and Steel."

The annual banquet of the society was a most successful event.

The Concrete Building Block & Machine Compang have removed from 265 Church street to 32 Church street, Toronto.

## Prices of Building Materials.

# PRESSED BRICK, Per M.



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m 405 Temple Building, TORONTO, CAN Field Notes of the late F. F. Passmore.



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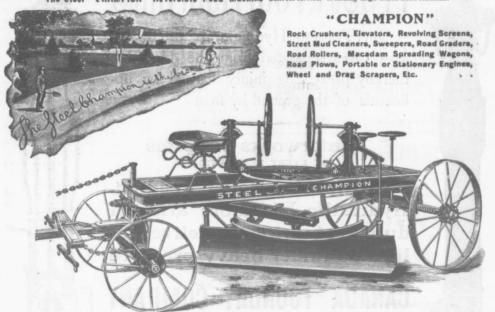
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February 1, 1905

# THE GOOD ROADS MACHINERY COMPANY, LIMITED, Hamilton, Canada The Steel "CHAMPION" Reversible Foad Machine The Simplest, Strongest and Best, Don't it look it?



The Steel "CHAMPION" is the King of Graders.

All mechanics agree that the simpler the machine the more valuable it is. In complicated machines look out for trouble and expense

Good Roads Machinery Company, Limited, JOHN CHALLEN, Address—Late Killey Beckett Works, 144 York Street, HAMILTON, ONT.

Prices of Building Material	Philip Gray Sandstones f.o.b.	nto. Montreal	Orcamental Black Slate Roofing	#\$ 00 #5 0 77 \$
(Continued from page 12.)	per cubic foot	75 6	5	
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" Backing 600 II 50	per ton	5	Diamond 350 2 20	8 30 1 Bg 19
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oofing Tiles, \$20.00 per 1,000, \$23.00 Montrea.	Footing, 6 to 10 in. per cubic ft.	1	5	1911
BEAMSVILLE BRICK AND TERRA COTTA CO. F.O.B. F.O.B.	Dimension Stone, f. o. b. St. Mary's, per cubic foot Granite (Laurentian Pink) Ash-		"Helderberg"	190 10
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TORONTO FOTTERY CO. F. O. B. Toronto Car lots Less	Grey coursi g, per sup. yard	1 2		
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avage Crown	6" x 3" Sills, tooled seated and		Hammer	175 1
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