# CANADIAN ontract Record

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

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

Vol. 16.

TORONTO, MONTREAL, WINNIPEG, MAY 24, 1905

#### THE CANADIAN CONTRACT RECORD PUBLISHED EVERY WEDNESDAY

#### As an Intermediate Edition of the Canadian Architect and Builder.

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

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

### Sale of Dredge Work

Notice is hereby given that about three miles of dredging in the Rivard Drain in the Town-ship of Dover, County of Kent, will be sold by public auction at the Town Hall, Dover, Ont, on TURSDAY, MAY 307H, 1905, at ro'clock in the afternoon.

noon. H. N. BECHARD, Commissioner, Chatham, P. O.

## **Tenders Wanted**

Sealed tenders will be received by the under-signed marked "Tenders for Electric Lighting" up to SATURDAY, THE 27RUDAY OF MAY, 1905, for lighting the attreets of the Town of Orangeville, Town Hall, Pire Hall and Engi-nee's Residence and Band Stand. Full particulars can be had by corresponding with the undersigned. The lowest or any tender not necessarily accepted.

The lo accepted.

A. A. HUGHSON, Town Clerk, Orangeville P. O., Ont.

## **TO CONTRACTORS**

Sealed tenders, endorsed " Tenders for Bridges" and addressed to J. A. Cockburn, Township Clerk, Crysler, Ont., will be received up to Twelve o'clock, noon, on the FIRST DAY OF JUNE, 1905, for the making of the necessary excavation for and the construction of concrete piers and the building of approaches for bridges to cross the Payne River on the road between the 8th and 9th Concessions, Plans and specifications may be seen at the office of J. A. Cockburn, Clerk, Crysler, and at the office of W. H. Magsood, Engineer, Corn-wall, on and after the Tweaty-third inst. Ten per cent. of amount of tender must accompany arthe bused or any tender not exactly the second

The lowest or any tender not necessarily

l. (Sgd ) W. E. CRAIN, Reeve, (Sgd.) J. A. COCKBURN, Clerk, (Sgd ) W H. MAGWOOD, Engineer, Crysler, May 12, 1805.

TENDERS

## **Tenders Wanted**

Tenders will be received by the undersigned up to SATURDAY EVENING, MAY 20TH, rgo, for the laying of about 16,000 square feet of Granolithic Sidewalk in the Town of Ux-bedge

ordee. Tenders will be received for the furnishing of all the material and also for just the work and gravel without the cement. The lowest or any tender not necessarily accepted. Copies of the specifications may be seen at the clerk's office.

J. W. GOULD, Town Clerk.

TENDERS

Sealed tenders will be received by Mr. Wm. Davidson (County Clerk of Perth) up to 12 ociock a m. TUESDAY, the 6rm DAY OF JUNK, for the construction of a Steel Bridge to be built across the Thames river at the lowal line of Pullatron, Blanshard and Downie, span -15 Ht. to the red pins. -16 for the construction of abutments and share all for the structures of abutments and the sub-tender the structure of abutments and the sub-tender the structure of abutments and the sub-tender. The contractor to four for the struc-ture of the constructure of the structure of the sub-tender. The contractor to four four shares a bile to the Treasurer of the County of Perth for the and on the returned in case of non-tacerplane. Plans and specifications for each contract may

acceptance. Plans and specifications for each contract may be seen at the County Clerk's or Engineera offices. The lowest or any tender not necessarily accepted.

JOHN ROGER, Engineer, Mitchell, Ont.

A LEAKAGE AND A STATE AND A ST

A. J. MCLEAN, Town Engineer. Strathcona, May 3rd, 1905.

TOWN OF MEDICINE HAT TENDERS WANTED

The Town of Medicine Hat has the following four lots of Municipal Debentures for sale, for which tenders will be received up to 9 o'clock on the 197H DAY OF JUNE, 1905: \$12 000.00 Natural Gas, \$10,000.00 Water works, \$10,000.00 Water works, \$10,000.00 Water works, \$10,000.00 The purchase of the New Edinburg Natural Gas well, Gas and Water plant. These four lots of Debentures all date from the

returns Gas well, Gas and Water plant. These four lots of Debentures all date from the 1st of August, 1905, beat interest at 3% and are repayable in 20 equal annual instalments of principal and interest. For particulars address the undersigned. The highest or any lender not necessarily accepted.

W. N. ADSIT, Secretary-Treasurer, Town of Medicine Hat.

WANTED

No. 13

Position as Draughtsman in Architect's office or Builders' Clerk by young man having four years at practical building and three years in Architect's office. Address H. A. P., Waverly Hotel, Newcastle, N. B.

#### TENDERS

for the construction of about 34,000 feet Grano-lithic Sidewalks in the Village of Lucknow, Ont., will be accepted up to noon MAY 3 TH, 1995. Specifications on application. No tender necessarily accepted.

P. A. MALCOMSON, Clerk

## Town of Lindsay

Sealed tenders will be received at the Town Clerk's office up to noon on THURSDAY, JUNB isr, 1905, for the nonuclion of about Lindsay. Specifications may be seen and form of tender obtained at the office of the Town Clerk, during office hours. A marked check for five per cent, of the ten-dered picc must accompany each tender, and will be returned when contract is awarded. The lowest or any tender not necessarily ac-cepted.

W. C. WAY, Town Engineer. F. KNOWLSON, Town Clerk.

City of Winnipeg

#### PROPOSALS FOR SUPPLY OF ELEC-TRIC POWER AND WATER POWER LOCATIONS

The City of Winnipeg invites proposals for the supply of Electric Power upon certain conditions, a copy of which may be obtained upon application at this office, and also pro-posals from parties who own Water Powers for the sale to the City of such Water Power. The proposals shall be addressed to Ald J.W. Cockburn, Chairman of the Special Power Committee, and will be received at the office of the sale size to to clock noon on Mon-day, June 19, 905

ELECTRIC POWER.

ELECTRIC POWER. ELECTRIC POWER. The maximum quantify of power to be used at any time will be 1,500 horse power. The power is to be delivered to the City at a power is to be delivered to the City at a power is to be delivered to the City at a power is to be delivered to the City at a power is to be delivered to the City and will be determined by Wait Metersplaced on the City is incoming switch-board. Any party or company tendering for the right or franchise in the City under the conditions herein referred to shall submit with such tender a deposit in cash or marked cheque of \$5,000. In case of acceptance of such tender so,000 within thirty deposit an additional retained by the City as security for the comple-tion of the company's works to develop the Water Power and for the works and plant necessary for the transmission of same to the City. MATER POWER LOCATIONS.

WATER POWER LOCATIONS.

City. WATER POWER LOCATIONS. In addition to the above the City will receive proposals from parties who own Water Powers, such proposals to be accompanied by plans showing the location of such Water Powers and any works of development which may be done upon them. The City reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg. C. J. BROWN, City Clerk's Office,

City Clerk's Office, Winnipeg, Canada, May 13th, 1905.

[FOR ADDITIONAL ADVERTISEMENTS FOR TENDERS SEE NEXT PAGE.]



## **Gontractors' Notice**

Tenders are invited until JUNE 7TH 1905, for the following works to be done in the City of Calgary 155 of 6" water main. Laying 15 miles tile sever. Laying 90,000 square feet concrete sidewalks works and the City Regineer, Calgary. P. W. THOROLD, B. A. Sc., City Engineer, Calgary.

#### **TENDERS WANTED** FOR ELECTRIC LICHTINC

Tenders will be received up to 6 p. m., JUNE 5TH, 1928, for lighting the streets of the Town of Meaford by electric light, with privileges of supplying light for residences, etc.

J. G. CLARKE, \* Chairman Fire, Water and Light Committee Meaford, Ont., May 17th, 1905

## **TO CONTRACTORS**

Tenders will be received up to 6 p. m., WRDNESDAY, MAY 31ST, 1905, for the com-pletion of the Gait Severage Disposal Works. Plans and specifications may be seen and forms of lender obtained at the office of the Hngineer, Wm, Mahlon Davis, Berlin, or Town Clerk, Town Hall, Gait, on and after Fasturday, May zoth inst. The lowest or any, tender need not necessarily be accepted.

J. MCCARTNEY, Town Clerk, Galt, Ont.

## **Tenders Wanted**

Sealed tenders, addressed to the undersigned, will be received up to noon of SATURDAY. TUNE and, 1905, for the erection of three steel bridges and a battments therefor in the Town-ship of East Zorra, Oxford County. Bridges to be of 4, 0, os is to be of steel and floor of wood or expanded metal and concrete. A buttments may be either quarry stone or concrete. Contractors to furnish short specification of work tendered for ; state time of proposed completion and price per lineal foot for bridges and per cubic tof a buttments. Tenders opened and contract awarded if above date, at s o'clock in the afternoon. Ad-dress JAMES ANDERSON

JAMES ANDERSON, Clerk East Zorra, Tavistock P. O.

#### TENDERS FOR

#### SUPPLY OF WATER PIPE AND SPECIALS AND WATER METERS

MELLING Sealed tenders, 'ddressed to the Chairm an of the Fire, Water and Light Committee, for the supply of Water lipe and specials of various sizes for fligh Pressure Fire Service, and for the upply of the following quantities of Water Meters, iz. -Soo one-half anch Meters, soo one-half anch Meters, soo one-half anch Meters, soo one-half nech Meters, soo one-half meters, sections and forms of tender may be obtained at the office of H N. Ruttan, City Ba-ser, and H N. Ruttan, Anger Stan, Anger S

City Clerk's Office, Winnipeg, Canada, May 15th, 1905.

First class draughtsman disengaged. Pen and lak and color perspectives. ASHTON PENTE-COST, Post Office, Norway, Ont.

**TENDERS WANTED** 

for cement sidewalks on several streets in Beamawille Village. Tenders to be opened JUNE 127H, 1905. For particulars apply to H. V. ROBINS, Beamawille, Ont.

#### **TENDERS WANTED**

For concrete work on boundary line between the Counties of Waterloo and Wellington. CONCRETE PIER

Chamber's Bridge over Grand; River, about miles below Elora.

#### CONCRETE ARCH

CUNCKETE ARCH 20 ft. span over small stream near Winfield. Plans. specifications and forms of tender may be obtained from the undersigned or from Jas. Beattle, Ray, County Clerk, Fergus, Rd. Gainer, Esq., Arthur, and Leander Bowman, Rsq., winterbourne. Tenders must be in the hands of the under-signed by noon on TURBDAY, JUNK 6rn, 1900, and will be opened same day at Court House, Guelph. The lowest or any tender not neces-sarily accepted.

HERBERT J. BOWMAN, Civil Engineer.

Berlin, May 18th, 1005.

#### TOWN OF OSHAWA **Province of Ontario**

## NOTICE TO CONTRACTORS

Sealed tenders will be received by the Secre-tary of the Board of Water Commissioners until 8 p m. on JUNK irrn, for laying a 12 lach Cast Iron Submerged Intake Pice, about 1, 30 (set in length, for the Oshawa Water Works System. Pians and specifications may be seen at the office of the Chief Engineer, 103 Bay Street, Toronto, and at Oshawa. No tender necessarily accepted.

THOS. MORRIS, ESQ., Sec. Board of Com, Oshawa, Ontario.

Oshawa, Ontara WILLIS CHIPMAN, C.E., Chief Engineer, 103 Bay Street, Toronto,

W. F. COWAN RSQ., Chairman Board of Com., Oshawa, Ontario,

#### CONTRACTS OPEN.

STRATHCONA, N.W.T.-Plans are eing prepared for a new Presbyterian church here.

MIDWAY, B.C. — The British Co-lumbia Copper Co. will probably build a smelter here.

FULLARTON, ONT .- John Wilson ants tenders by 27th ins'. for construction of four cement arches.

OWEN SOUND, ONT .- The Town Council are being urged to invite tenders for construction of cement walks.

SACKVILLE, N.B.-C. C. Avard un-tends erecting a brick building contain-ing printing office and book bindery.

ANNAN, ONT.—Bids received by James Cannon up to June 1st for pur-chase of \$20,000 4 per cent. debentures. CALGARY, N. W. T.—It is probable that the School Trustees will be com-pelled to build another ten-roomed school.

WASKADA, MAN.-Bids received by Henry Wheler up to 31st inst. for purchase of \$5,000 6 per cent. debentures.

CHILLIWACK, B.C.—The citizens have subscribed \$10,000 towards the enterprise of the Chilliwack Power & Light Co.

SMITH'S FALLS, ONT.-B. E. Spar-ham, Town Clerk, wants bids by June 3rd for purchase of \$84,193 4½ per cent. debentures.

AMHERST, N. S.—Claude D. Black intends building a brick block.—M. A. McKim will build a residence on Spring street.

BERLIN, ONT.-C. Knechtel, archi-tect, has prepared plans for new block, corner of King and Yonge streets, for Peter Hymen.

MEDICINE HAT, N.W.T .- A bylaw to provide \$60,000 for a sewerage system will be submitted to the electors next month.

NEEPAWA, MAN.-J. W. Pattison will receive tenders up to June 2nd for construction of 10,000 square feet of concrete sidewalk.

INGERSOLL, ONT. — The rate-payers have approved of the proposal to loan \$20,000 to the Ingersoll Nut Co. to build a factory here.

PEMBROKE, ONT.-Alex. Millar will receive tenders up to June 10th for building an addition to the East and West Ward schools.

ST. CATHARINES, ONT. — Ten-ders for laying 4-inch and 6-inch sewer connections will be received by the City Clerk up to 27th inst.

OTTAWA EAST, ONT. — The Ottawa Architectural & Engineering Co. have been instructed to prepare plans for public school here.

ARCOLA, N.W.T.-J. J. Murison will receive tenders up to June 5th for erection of town hall. Plans by W. A. erection of town hall. Plan Elliott, architect, Brandon.

LAKEFIELD, ONT. — Plans are being prepared by E. W. Argus, archi-tect, Peterboro, tor a large annex to the Craig House here owned by Isaac East-wood.

FLORENCEVILLE, N.B. - W. Mitchell, architect, St. John, has com-pleted plans for a consolidated school at this place, two stories and basement, hot air heating.

BELLEVILLE, ONT. - The City Council have decided to build \$20,000 worth of granolithic walks.-The Belle-ville Hardware Co. will enlarge their premises.

SUSSEX, N.B.-An expenditure of \$6,000 in improving the water and sewer-age systems has been sanctioned by the electors. A new pumping station will be built.

WESTMOUNT, QUE.-The by-law to raise \$250,000 for construction of conciete sidewalks, macadamized roads and drains was carried by the ratepayers last week.

COLLINGWOOD, ONT .- John Wilson has prepared plans for a 65-foot addition to Capt. W. A. Clark's store on Hurontario street occupied by Darroch Bros.

**QUEBEC**, **OUE**.-Ernest Caron has asked permission from the Council to construct an elevator from Mountain Hill at to Frontenac Park, estimated cost of \$50,000.

MORRISBURG, ONT.—George L. Brown is making a survey of the canal bank with a view of selecting a site for coffer dam and power house to be built by the Council.

CRYSLER, ONT. - The Township of Finch has requested the Ontario Gov-ernment to grant financial aid towards rebuilding four bridges over the Payne river, estimated cost \$25,000.

May 24, 1905

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o Govtowards Payne CANADIAN CONTRACT RECORD



## FACTS ABOUT IT

- I. Four years on the market.
- 2. 1100 sold—all giving satisfaction.
- 3. Twice as many in use as of any other make.
- 4. A Smith Mixer was never in a single case disapproved by engineer or inspector (A hundred or more letters of endorsement from government, railroad and civil engineers. Several hundred from contractors.)
- 5. A Smith Mixer was never displaced by a Mixer of other make, while it has frequently replaced other machines.
- 6. A Smith Mixer will perfectly mix a batch in less time than any other mixer on the market.
- 7. Has a record of 90 batches an hour under rigid inspection.
- 8. Hundreds of Smith Mixers have run from 2 to 4 years without one dollar for repairs.
- 9. The Smith Mixer cleans as easily as any Mixer, and more easily than most. A few pails of water and a few revolutions, just before shutting down—That's all.
- 10. 65 sold during March. 70 in April.



FORT WILLIAM, ONT.—Thomas Hanley, architect, Port Arthur, has prepared plans for an extensive addition to the St. Louis Hotel here.—The Hudson Bay Co.'s store will be enlarged.

MOOSOMIN, N.W.T.-W. White, K.C., has decided to erect a business biock on corner of Main street and Broadway,  $60 \times 125$  feet, 3 stories and basement, brick, with stone foundations and trimmings.

LISTOWEL, ONT. — The congregation of All Saints church have decided to build a new edifice, at cost of \$10,000. Rev. T. B. Clarke, pastor. —Vandrick Bros. are preparing to build brick block.

DAUPHIN, MAN. — J. A. Fraser wants tenders by June 5th for erection of Presbyterian church...—The Town Council will invite tenders for purchase of \$25,000 electric light and \$10,000 town hall debentures.

hall debentures. TRENTON, ONT.—George Collins desires tenders by Saturday, 27th inst., for clearing, grubbing and grading of the Whitney extension of the Central Ontario Railway from Bancroft to Bird's Creek, 3½ miles. EDMONTON, N.W.T.- The Vestry of All Saints church have decided to increase the seating capacity.--W. F. Studebaker, grocer, contemplates the erection of a block.--Revillon Bros. will build a wholesale warehouse.

FERNIE, B.C.—T. H. Tracey, C.E., of Vancouver, has reported that a sewerage system for this place would cost approximately \$30,000, and a waterworks system \$50,000. A by-law to provide the necessary funds will likely be submitted to the ratepayers.

ORILLIA, ONT.—Plans prepared by W. S. Frost, of this place, have been accepted for a new Y.M.C.A. building to be erected on Peter street, cost \$20,ooo, main building to be 42×50 feet, 3 stories and basement, with 2 storey gymnasium 43×55 feet, all red brick, with Longford limestone trimmings. BRANTFORD, ONT.— The Build-

BRANTFORD, ONT. — The Builders Hardware Co., of Toronto, are negotiating for the old pottery works, which, if acquired, will be enlarged and remodelled. — The Board of Emanuel Baptist church have decided to enlarge the edifice. The Wesley Methodist church may also be enlarged.

THE GOOD ROADS MACHINERY COMPANY, LIMITED, Hamilton, Canada

Our No. 4 " CHAMPION " Mounted Rock Crusher with Elevator and Chute Screen

The Very Latest "UP-TO-DATE" Portable Mounted Outfit Manufactured

HAMILTON, ONT.— The Department of Militia and Defence, Ottawa, are asking for tenders up to June 6th for construction of additional target accommodation at the rifle range here. Plans on application to Major S. C. Newburn, 13th Regiment.—The Royal Hamilton Yacht Club will build a \$2,000 boat house at the Beach.

nouse at the Beach. ST. JOHN, N.B.—Plans will shortly be completed for the new mills to be erected by the Pender Nail Co.; estimated cost, \$50,000...—The New Brunswick Government purpose constructing an interprovincial bridge over the Metapedia river, at a probable cost of \$50,000. ...—The Dominion Government is preparing to call for tenders for dredging here.

ST. THOMAS, ONT.-N. R. Darrach, architect, has taken tenders for erection of a new sacristy and confessional for the Holy Angels church. The work of extending the main building will be done next year. The improvenents are expected to cost about \$25,000.-It is understood that a new hotel will be erected on the Campbell property, corner Moore and Albert streets.

Patented June 7th, 1900. Telented June 7th, 1900. Description of the road of t

The Steel "CHAMPION" Rock Crusher is the result of years or practical experience in crushing Rock from the limestone Ridges to the very hardest Syenite Rock. For crushing hard Boulders they have been proved to be superior to all competitors.

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

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Good Roads Machinery Company, Limited, President and General Manager. Address-Late Killey Beckett Works, 144 York Street, HAMILTON, ONT.

L. H. GAUDRY & CO. DIRECT IMPORTERS AND AGENTS BEST SCOTCH SEWER PIPE BEST SCOTCH MAKES

ALL WEICHTS AND TESTS TO SUIT REQUIREMENTS.

Superior Quality Large Stock
OFFICES : HOCHELAGA BANK BUILDINGS

Prompt Shipments QUEBEC, CANADA

#### May 24, 1905

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CANADIAN CONTRACT RECORD

# DERRICKS

We manufacture every class of Hoisting Derricks both for Hand or Power. Write for our price list of Standard Builders' and Contractors' Derricks, 1500 pounds to 7 tons capacity.

### MILLER BROS. & TOMS MONTREAL

GUELPH, ONT. - The by-law to raise \$55,000 for improvements and additions to gas plant will be voted on June 24. –President Creelman, of the Ontario Agricultural College, has recom-mended additions to the chemical laboratory, a large building furnished with shalting, electric power, etc., for the study of implements, and a new laundry building.

OTTAWA, ONT. — William Rea, Secretary Public School Board, is this week taking tenders for erection of addition to Archibald street school.-Extensive improvements are to be made this sive improvements are to be made this summer to St. Anne's church, at cost of \$10,000. Particulars from Rev. Father Myrand. — The Architectural & Engi-neering Co. are taking tenders on a resi-dence for N. J. Ker, City Engineer, and have completed plans for new church of St. Albans at Prince Albert, Sask.

St. Albans at Prince Albert, Sask. CHATHAM, ONT.-A. M. Ppier, architect, has just taken tenders on a brick block for A. E. Williams.-J. L. Wilson & Son, architects, are preparing plans for new bending works for Bryan & Murphy, of Berlin.-The Chatham, Wallaceburg and Lake Erie Electric Railway Co. have purchased property on King street west on which to build their proposed power house and general offices.

MONTREAL, QUE.—Sir William Macdonald has made an additional dona-tion of \$50,000 towards the building and equipping of a students' building at McGill University.—The Committee of

Management of the General Hospita are Management of the General Hospita are considering means of providing increased accommodation.—M. S. Blaiklock, super-intendent Grand Trunk Railway, Bona-venture Station, will receive tenders up to 27th inst. for erection of concrete roundhouse near St. Henri.—The rate-payers at Maissoneuve have approved of a by-law to raise \$175,000 to improve the streets, build a fire station and pay off indebtedness. indebtedness.

BARRIE, ONT. - Thos. Kennedy, BARRLE, ONT. — Thos. Kennedy, architect, will receive tenders up to May 31st for a residence for Dr. Wallevin, Mary street; pressed brick work, car-penter work, hot water heating, plumb-ing, galvanized iron and painting. Same architect has prepared plans for two stores and dwellings on Mulcaster street and a seven-room cottage, to be with of corrects for Thompson built of concrete, for Thos. Thompson, also for additions to the Wellington Hotel and two large residences in Penetang.

HALIFAX, N.S.-Herbert E. Gates, architect, has prepared plans for alter-ations to the show rooms of M. S. Brown & Co.; for extensive additions to the

residence of Dr. A. C. Hawkins and Geo. E. Rock; for improvements to Victoria General Hospital including new stable; for a two storey brick building at Truro, N.S., for the Nova Scotia Telephone N.S., for the Nova Scotia Telephone Co. Ltd., for additions to the residence of J. W. Vidito, Dartmouth, N.S., and for a new school building at Advocate, N.S

TORONTO JUNCTION, ONT. Building permits were granted last week as follows : Wm. S:ruckey, brick dwell-ing, Louisa street, cost \$2,200 ; H. ing, Louisa street, cost \$2,200; H. Watkinson, two brick stores, Dundas street, cost \$3,300; E. Klinck, two brick houses, Hook avenue, cost \$2,100 each; James Archer, brick veneer dwell-ing, Maria street, cost \$1,000; Backers & Parsons, blick dwelling, Louisa street, cost \$1,800. – George Denbeigh & Son, brick dwelling, Louisa street, cost \$1,800; C. M. Cutts, hardware mer-chant, will erect a blick store, corner Dundas street and Pacific ave. Dundas street and Pacific ave.

VANCOUVER, B.C.-The Depart-ment of Public Works, Ottawa, are asking for tenders up to Friday, June 23, for erection of a post office building here.

SAND & DREDGING, Limited Tel. M. 4507 John Street Dock, TORONTO

Contractors' Supplies and

wo 7 x 12 Double Drum Hoisting Engines ith Boilers on hand ready for immediate elivery. Others under construction.

MARSH & HENTHORN Belleville, Ont.

### **BITULITHIC** :

One reason why the Bitulithic roadway maintains its popularity with those who demand the best of roadways is, that the "Bitu-lithic" standard of quality is never lowered in order to join the race for greater quantity.

The Warren Bituminous Paving Co., Limited 164 Bay Street, TORONTO, ONT.

Sawyer & Massey Co., Limited Road Machinery Department, HAMILTON, CANADA

Manufacturers of Strictly High Grade

ROCK CRUSHERS

#### AND COHTRACTORS' SUPPLIES

EF Handsome Illustrated Catalogue and Calendar on Application.

WATER WASHED SAND The List are the second HOISTING ENGINES

JOHN GALT, C.E. &M.E. MEM. CAN. SOC. C.E. AND C.E.A., ETC. CONSULTING ENGINEER and EXPERT

National Trust Building Toronto Specialties-Water Supply and Sewerage.

#### JOHN S. FIELDING Mem. Soc. C. E. West Penn. '87. CONSULTING ENGINEER. Water Powers Dams. Bridges

Room 2, 15 Toronto Street, TORONTO, ONT

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

Waddell & Hedrick

**Gonsulting Bridge Engineers** KANSAS CITY, MO.

Manning Chambers, TORONTO, ONT. Montreal Office : 18g St. James Street.

Ridges

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ents



at the Department, Ottawa, Plans Plans at the Department, Orlawa, and at the Vancouver Armory.—Con-struction will shortly be commenced on the Oddfeilows Hall, a 2-storey orick building to be located on corner of Homer and Pender streets.—City Elec-trician McCrossen has recommended improvements in the lighting system, and a committee has been appointed to visit a committee has been appointed to visit Seattle and Portland.—Macaulay&Nich-olls have sold the property on north-east corner of Smythe and Granville streets, and it is understood that the buyer intends erecting a building. WINNIPEG, MAN.—J. Woodman, architect, desires tenders by 27th inst.

for erection of 6-storey fire proof-building for John Leslie, elevators, electric light-ing.—George Browne, architect, is asking for tenders by noon of 29th inst. for erection of two-storey brick store and apartment block on Osborne street, Fort Rouge, for J. S. Aikins and G. A. Mut-tlebury.—H. B. Rugh, architect, is this tlebüry.—H. B. Rugh, architect, is this week taking tenders on a frame resi-dence, stone foundation, on Spence street for D. M. Duncan.—Tenders are invited by R. Rogers, Minister of Public Works, up to 29th inst., for erection of Land Titles building at Neepawa. Plans on application to S. Hooper, provincial architect. — Darling, Pearson & Over, architect, have prepared plans and are about to invite tenders for a large warehouse and office building on Victoria street for the Dominon Radia-Victoria street for the Dominion Radia-tor Co., of Toronto.-Over \$8,000 has been subscribed towards a new club house for the Catholic Club of Winnihouse for the Catholic Club of Winni-peg. It is proposed to erect a building costing \$40,000.-J. H. G. Russell, ar-chitect, is this week taking tenders for alterations and additions to residence on Donald street for W. L. Watt and for erection of frame residence on Welling-ton crescent for H. B. Brydges.-It is announced that plans for the new Cana-dian Northern Railway depot are likely to be ready this week.-J. F. & G. Galt have purchased the property at northto be ready this week.—J. F. & G. Galt have purchased the property at north-west corner of Lombard and Lorie streets and may build thereon.—Gilles-pie & Campbell, druggists, will build a block on south-west corner of Main street and Aberdeen ave. The following par-ties intend building on Wellington cres-

cent : W. Russell, manager of the Grain Exchange branch of the Bank of Hamilton ; Donald R. Dingwall, Robt. J. Walker, agent ; E ton ; Donald R. Dingwall, jeweler ; Robt. J. Walker, agent ; Ernest Pitt, superintendent of insurance ; Andtew Lake, manager Accident Insurance Company ; Butcher Cox and W. Cuddy, of Springfield.—H. Harrison & Co. will build several houses in Silver Heights park.—King Edward Lodge A. F. & A.M. will erect a building on corner of Main street and Manitoba ave.—A. & W. Melville have just taken tenders on a nine-house frame terrace on Iarvis jeweler ; a nine-house frame terrace on Jarvis street for W. T. Grose.—The City Board of Works will call for tenders for 1,500 cords of cedar paving blocks. — Vice-president Whyte, of the Canadian Pa-cific Railway, announces that it has been decided to double track the line between Winnipeg and Fort William, a distance of 427 miles.—Herbert Matthews is this week taking tenders on a warehouse on Portage ave. east for D. S. Perron & Co.

TORONTO, ONT. — Tenders are wanted at 398 Queen street east for all trades except carpenter work for erection of residence on Simpson ave.-Trinity Methodist church will build or buy a \$6,000 parsonage.-The Toilet Laundry Co. have purchased property on east side of Yonge street, north of College, which they will remodel and equip for laundry purposes.—The Mason & Risch Piano Co. intends adding two stories to their factory on King street west.-The Board of Control desires tenders by Tuesday, June 6, for erection of a fire hall on Cowan ave. Plans at offices of the Property Department, City Hall. — The Ontario Government will immediately place at the

disposal of the Trustees of the University of Toronto the suni of \$495,000 to be expended on necessary buildings, to inexpended on necessary buildings, to in-clude a new general hospital, physics building, convocation hall, museum for the Science building, four men's resi-dences, and addition to women's resi-dence. These buildings are estimated to cost \$1,600,000.--11 is reported that the King Edward Hotel management have in view the addition of two stories to the building.--The three-storey brick build-ing at to and 12 Alice street has been ing at 10 and 12 Alice street has been purchased by the Dominion Coat & Apron Co., who will install a laundry plant.—The Board of Control have instructed the City Architect to prepare plans for an addition to the House of Industry, to cost about \$10,000.—A bill has been introduced in the Ontario has been introduced in the Ontario Legislature providing for the operation of the Temiskaming and Northern Ontario Railway by electric power. — The D. Conboy Carriage Co. have pur-chased 150,000 square feet of land in the old ball grounds at corner of Eastern and Bradwigen ways and intend exect. and Broadview aves. and intend erecting a factory costing probably \$100,000. —The Council intend constructing several costly pavements, including the follow-ing: Macadam on Queen street, from Kingston road to east city limits, cost \$30,730; vitrified block on Dundas street, 53, 55, reference to be a build street, cost from the bridge to Bloor street, cost \$29,178; asphalt on Alexander street, from Yonge to Church, cost \$6,616.— Building permits have been granted as allower W. C. Chickeler Building permits nave occu grantes ac follows: W. G. Chisholm, pair two-storey and attic brick and stone dwell-ings, 26 and 28 Delaware ave., cost \$4,000 ; C. German, two-storey stone and brick residence, Broadview ave.,

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May 24, 1905

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May 24, 1905

near Wolfrey, cost \$3,500 ; William Murray, pair two-storey stone and brick dwellings, Kendal ave., near Dupont street, cost \$6,000 ; Gordon McKay &

Co., three-storey brick storehouse, At-lantic ave., near King street, cost \$6,000; John N. Lake, 24-storey brick dwelling, 410 Jarvis street, cost \$5,r00. D. McDonald, two-storey and attic brick

Aberdeen, pair two-storey and attic stone and brick dwellings, north-west corner College and Gladstone ave., cost \$4,800; George Harrington, two-storey and attic roughcast dwellings, brick foundations and fronts, south side Victor ave., cost

CONTRACTS AWARDED. STELLARTON, N. S. - Y. M. C. A.

NORTH BAY, ONT. - Residence for

building : John McQuarrie, contractor.

\$3,000.

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#### CANADIAN CONTRACT RECORD

E. W. Ross: J. R. Eaton, Orillia, contractor.

HALIFAX, N. S. -- Baptist church : Rhodes, Curry & Co., of Amherst, con tractors.

GILBERT PLAINS, MAN.-Building Grand Central Hotel : B. Cutforth, contractor.

CHATHAM, N. B .-- Building for Hoff-

JOSSON

man & Sons: John MacDonald Co., con tractors

BRANDON, MAN. - Canadian Bank of Commerce building: T. M. Harrington, contractor.

WINCHESTER, ONT. - Henderson Creek drain: J. Champlong, of Hudson, Que., \$3,450.

THREE RIVERS, QUE .- Drill shed :

DIMENT



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#### "EXTRACT"

RESULTS OF CANADIAN AND UNITED STATES CEMENT TESTS JULY 1ST, 1902, TO JULY 1ST, 1903, AT THE LABORATORY OF THE CITY ENGINEER OF THE CITY OF TORONTO. C. H. RUST, City Engineer. W. A. CLEMENT, Asst. Engineer.

	Soundness. Faiji Test.	Specific Gravity.	Residue in per cent. on No. 100 Sieve	Setting in Minutes.		Tensile Strengths in Pounds per Square Inch.										
				Initial.	Final.	Neat.					3 (Sand) to 1 (Cement).					
						ı dy.	7 dys	28 dys.	3 mos	t yr.	t dy.	7 dys.	28 dys.	3 mos.	ı yr.	Where Made.
Alpha	O. K.	3.177	9.3	222	399	292	752	811	868	841	57	197	271	317	327	United States
Atlas	O. K.	3.100	9.3	152	387	385	579	622	710	712	61	186	246	305	339	
Hercules 41	% failed	3.159	7.1	120	240	292	696	836	777	711	51	174	222	242	231	Canada.
mperial	о, к.	3.213	6.2	40	75	250	352	400	484	485	61	128	176	254	321	
Lehigh	0. K.	3.183	9.1	166	356	348	746	849	897	880	73	201	273	334	361	United States
Monarch 4	% failed	3.154	7.5	176	355	366	653	701	731	701	66	173	242	303	355	Canada.
NATIONAL	о. к.	3.135	2.1	162	345	307	701	783	827	804	74	214	299	367	368	
Rathbun's Star	о. к.	3.140	5.0	123	305	359	581	640	677	676	75	193	255	313	349	**
Samson 7	% failed	3.118	6.3	107	252	257	462	525	583	612	67	163	231	284	338	

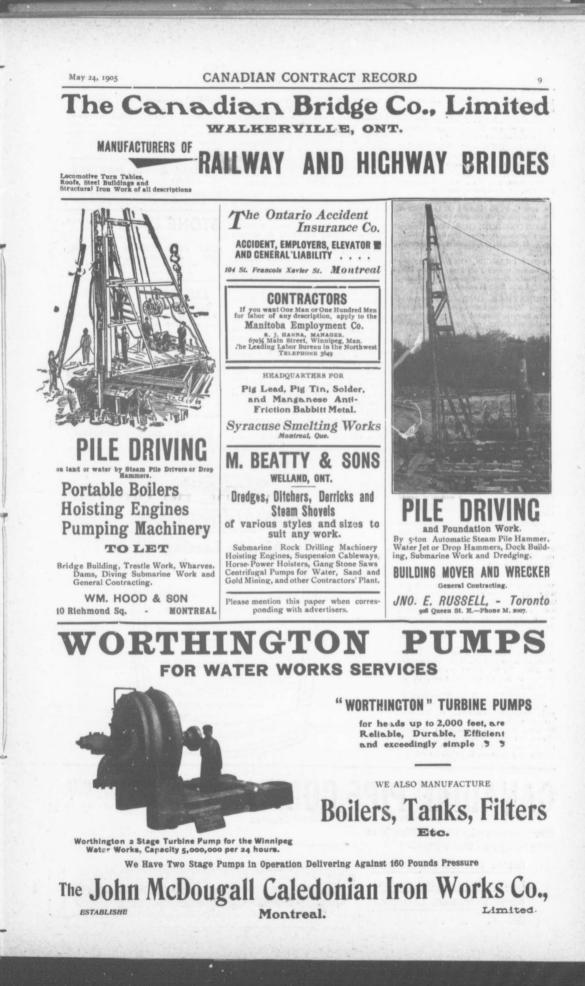
The Superiority of National Cement is Plainly Shown from the Above Figures, which can be verified from the Annual Report of the City Engineer for 1903. The Best is the Cheapest.

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Joseph Bourque, of Hull, contractor; brick, with stone facing. CALGARY, N. W. T.-Machinery for electrical plant : Allis-Chalmers-Bullock, Montreal, successful tenderers.

BERLIN, ONT. — Heating Methodist hurch : James Smart Manufacturing Co., Brockville, successful tenderers.

CARBERRY, MAN.—Construction of cement walks: James Fowler, successful tenderer, 90 cents per square foot. VICTORIA, B. C. — Structural steel for new C. P. R. Hotel: E. G. Prior & Co., this place, successful tenderers.

HUNTINGDON, QUE.-Steel bridge ver Chateauguay river: Dominion Bridge Co., Montreal, successful tenderers, \$1,775

FORT FRANCES, ONT.—Steam fire engine for town: Nott Fire Engine Co., St. Paul, Minn., successful tenderers, \$3,675 f.o.b. Fort Frances.

DUNNVILLE, ONT .- Construction of 20,000 feet cement concrete walks: Silica Barytic Stone Co., Ingersoll, suc-cessful tenderers, 9½ cents per square foot.

HAMILTON, ONT. -The Clin Road Machinery Co. have been awarded a large contract for tile moulds to make pipe for the James Bay and Canadian Paolo Deliment pipe for the Jan Pacific Railways.

ST. THOMAS, ONT .- Two a-stores ST. THOMAS, ON I. - 1 WO 2-storey pressed brick residences for James Buller, of London: Architect, N. R. Darrach; masonry, A. E. Ponsford; carpentry, Sanders & Powers.

TORONTO, ONT.—The contract for the Toronto-Sudbury line between Parry Sound and Bolton, 128 miles in length, has been awarded by the C. P. R. to George S. Deeks & Co.

RENFREW, ONT.— Waterworks im-provements: Supply of direct connected pump and motor, John McDougall Cale-donian Iron Warks Co., Montreal, \$3,913; two filters, Roberts Manufacturing Co., Philadelphia.

GALT, ONT,-Remodelling of Central school: Architect, F.W. Mellish; masonry, W. J. Webster; painting, W. McLeod; metal ceilings, Galt Art Metal Co.; plumb-ing, H. Dakin; heating and ventilating, Sheldon & Sbeldon.

MIDLAND, ONT .- Thirteen tenders were received for construction of concrete sidewalks, the successful tenderer being the Pettypiece Silex Stone Co., of Amherst-burg, at following prices: Walks, 12 cents per ft.; curbing, 18 cents; crossings, 14 cents.

KINGSTON, ONT. — Residence on William street for T. F. Harrison: Architect, Arthur Ellis; masonry, H. W. Watts; carpentry, R. N. F. McFarlane; painting, T. W. Milo; plumbing, Mc-Kelvey & Birch; electric work, G. R. Tomlisses Tomlinson.

Tomlinson. ST. JOHN, N. B. — Alterations to Canada Permanent building: Robert Max-well, contractor.—Building on Waterloo street for St. Vincent de Paul Society : McKean & Dunn, architects; Andrew Myles, contractor.—Supply of 400 barrels of Trinidad asphalt: Schofield & Co., McRean & Dunn, artifictor, run Myles, contractor.—Supply of 400 bar of Trinidad asphalt: Schofield & successful tenderers, \$4.50 per barrel.

STRATFORD, ONT.-The City Coun-cil have let the contract for paving the tollowing streets: Ontario street, asphalt block; Market and Downie streets, to block; Market and Downie streets, to George street, asphalt block; Downie street, from George to Shakespeare, brick; Brunswick street, from Downie to Waterloo, brick. The Walkerville asphalt block and Metropolitan brick will be used. The contract for the work has been let to A. J. Murphy, of Port Huron, Mich., at \$28,26 \$38,326

\$38,326. LONDON, ONT. — William Murray, architect, has accepted the following ten-ders for new Sunday school for St. Andrews church, to cost about \$16,000 : Carpenter work, Archibald & Wilson; brick work, John Burnett & Sons: painting and glazing, A. T. Corp: plumbing, Smith Bros. & Co.; felt and gravel roofing, William Roughley; slating, John Whit-taker; lathing and plastering, Stratfold & Bawden; brass work, Dennis Wire & Iron Works: electrical Itings. Electrical Con-vors. Works; electrical fittings, Electrical Con-struction Co.; furnaces, W. Stevely & Son.

OTTAWA, ONT.—The successful ten-derers for Bronson ave, school are as follows: Brick and stone work and ex-cavation, A. Garvock, \$5,460; carpentry, Taylor & Lackey, \$4,470 35; plastering, F, Hunt, \$395; painting, W. J. Carson, \$632; roofing, Herbert & Son, \$110; plumbing, Butterworth & Co., \$1.347; galvanized iron work, \$527; electrical work, J. A. L. Ellacott, \$953; steel beams, Canadian Agency & Supply Co., \$228.91; boiler, stack and vent flue, W. J. Camphell, \$588; heating, Thompson & Livock, \$725. For Cartiers 4. school tenders were accepted as follows: Brick and stone work, A. Gar-vock, \$13,555; carpentry, A. Richards, OTTAWA, ONT .--- The successful ten\$9,227.82; plastering, F. Hunt, \$679; paint-ing, W. J. Carson, \$1,300; roofing, John Carnochan, \$260; galvanized iron work, Wadsworth & Shepnard, \$1,400; electric-al work, J. A. L. Ellacott, \$137.75; steel beams, Canadian Agency & Supply Co., \$864.40.

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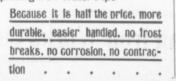
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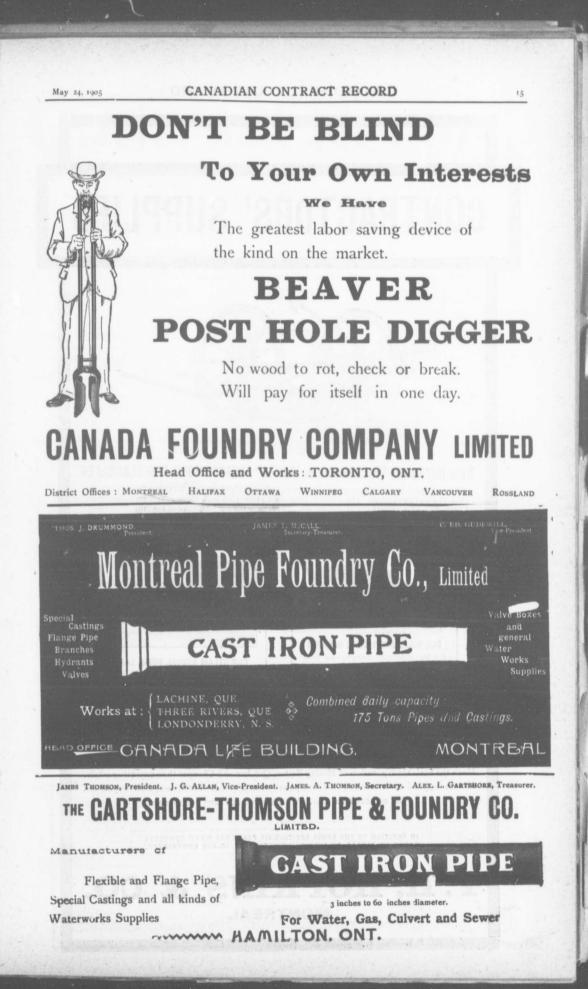


May 24, 1905

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

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May 24, 1005

