

# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF PUBLIC WORKS, TENDERS, ADVANCE INFORMATION AND MUNICIPAL PROGRESS

EVERY WEDNESDAY

This paper reaches every week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers, Purchasers of Municipal Debentures and leading Contractors in all lines throughout Canada.

Vol. 13.

MARCH 19, 1902

No. 7

## THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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

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

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

CONFEDERATION LIFE BUILDING, TORONTO  
Telephone 2361.

Branch Office:

Imperial Building, Montreal.  
Telephone Main 2296.

Advertising Rates on application.

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### SEALED TENDERS

Addressed to the undersigned, will be received up to noon on FRIDAY, MARCH THE 21ST, for all trades required in the erection of a pair of semi-detached Houses on the west side of Spadina Avenue, north of College Street. Plans and specifications may be seen at the offices of the architects. The lowest or any tenders not necessarily accepted.

GOUNLOCK & BAKER, Architects,  
714 Temple Building, Toronto

### SEALED TENDERS

Will be received up to noon on MONDAY, MARCH THE 18TH, for Masonry, Plastering, Carpentry, Tinsmithing, Roofing, Painting and Glazing, and Constructional Steel Work required in the erection of an

Apartment Building in University Ave., Toronto.

Plans and specifications may be seen and tender form procured at the offices of the architects, to whom tenders are to be addressed.

The lowest or any tenders not necessarily accepted.

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

### TO CONTRACTORS

Sealed tenders addressed to the undersigned will be received until noon on FRIDAY, THE 21ST INST., for the necessary labor and material required in constructing

Concrete Curbing and Gutters, and Concrete and Granolithic Sidewalks

to be built in the City of St. Thomas during the year.

Plans and specifications can be seen at the office of the undersigned.

A marked cheque payable to the Treasurer of the City of St. Thomas for \$200 must accompany each tender.

The committee reserves the right to reject any or all tenders.

JAS. A. BELL,  
City Engineer.



Sealed tenders, addressed to the undersigned, and endorsed "Tender for Work," will be received at this Department until noon of Saturday, the 22nd March, for excavating for foundations of a building on College street, in connection with the School of Practical Science.

Plans and specifications may be seen at the Department, where Forms of Tender can be procured on application.

An accepted bank cheque, made payable to the undersigned, for ten per cent. of the amount of tender for the above work, will be required. The cheques of unsuccessful parties tendering will be returned. The bona fide signatures and business addresses of two parties as sureties must accompany each tender. The Department will not be bound to accept the lowest or any tender.

F. R. LATCHFORD,  
Commissioner.

Department of Public Works, Ontario, Toronto, March 17th, 1902.

### TENDERS

Sealed tenders, addressed to the undersigned, will be received up to 12 o'clock, noon, on WEDNESDAY, THE 20TH INST., for the various trades (separately or in bulk), required for the erection of a

#### Four-Room Separate School Building,

on Close Avenue, Toronto.

Plans and specifications may be seen at the office of A. W. Holmes, Architect, 170 Spadina Avenue, on and after Thursday, the 20th inst.

A cash deposit or marked cheque, payable to the order of the Secretary-Treasurer of the Board, equal to 10 per cent. of the amount of tender, together with the names of two responsible sureties, must accompany same. The cheque will be forfeited if the party tendering fails to carry out the contract when called upon to do so. The lowest or any tender not necessarily accepted.

M. WALSH,  
Chairman Sites and Building Committee,  
Separate School Board, 23 Duke Street.

### TORONTO PUBLIC SCHOOL BOARD.

#### Tenders Wanted

Sealed tenders will be received by the Secretary-Treasurer of the Board until MONDAY NOON, MARCH 31ST, for the several works required in the

#### Completion of Bathurst Street School

as follows: Masonry, Carpentry, Plastering, Painting, Plumbing, Tinsmithing, Steam Heating and Iron Fencing.

Plans and specifications may be seen and all information obtained at the office of the Board, City Hall, on and after Tuesday, March 18th.

Each tender must be accompanied by the deposit mentioned in the said specifications and forms of tender.

The lowest or any tender will not necessarily be accepted.

R. A. BUCK, V.D.,  
Chairman of Committee.

W. C. WILKINSON,  
Secretary-Treasurer.

### TENDERS

The tenders on Machine Shop for Wm. & J. G. Grey, and Convocation Hall to Wycliffe College, will close on SATURDAY, MARCH 22ND, at the office of G. M. MILLER & Co., Architects, 59 Yonge Street.

### TENDERS

Will be received by the undersigned up till NOON OF THE 27TH INST., for all trades required in the erection of branch works at Toronto Junction for the Gurney Foundry Co., Ltd. Plans and specifications may be seen at the office of the architect. The lowest or any tender not necessarily accepted.

A. R. DENISON, Architect,  
20 King Street West.

### SEWERS

#### Niagara Falls, Canada

Sealed proposals, addressed to John Robinson, Town Clerk, will be received by the Corporation of the town of Niagara Falls, Canada, until 8 p. m. MONDAY, MARCH 31ST, 1902, for the construction of Section No. 8 of the Niagara Falls Sewerage System.

The works to be built under this section are approximately as follows:

About 1300 feet of 10, 12 and 15-inch sewers. About 3500 feet of 8 and 9 inch sewers, including all rock excavation and appurtenances.

Proposals are to be made for the whole work and must be on the proposal sheets supplied. Each proposal must be accompanied by a certified cheque for \$500.00 payable to the Town Treasurer, said cheque to be returned to the person making the proposal unless he fail to execute the contract should it be awarded him.

A Bond by a Surety Company for the sum of \$1000.00 will be required from the successful bidder for the faithful performance of the work.

Plans and specifications may be seen and forms of proposal may be obtained at the office of the Engineer, Niagara Falls, on and after Monday, March 24th, 1902.

The Town reserves the right to reject any or all proposals.

GEORGE HANAN, Mayor  
C. H. MITCHELL, Engineer.  
Niagara Falls, Canada, March 20th, 1902.

### CONTRACT OPEN.

STRATTON, ONT.—A. Lunn will build a new hotel.

GRANBY, QUE.—E. Bradford proposes to build a residence.

GLACE BAY, N. S.—Mr. Fried is about to build a large store.

MOSA, ONT.—A brick residence will be built this spring by D. Hurley.

OSHAWA, ONT.—Dr. Kaiser will erect a brick residence this summer.

TAVISTOCK, ONT.—George Stebler intends erecting several fine residences.

BERLIN, ONT.—J. S. Westcott will probably build a factory in this town.

WALKERVILLE, ONT.—Charles Chilvers will erect two two storey brick stores.

NORTH TORONTO, ONT.—Extensive repairs are to be made to the pumping engine.

WINDSOR, N. S.—James O'Brien invites bids up to noon of 22nd inst. for a loan of \$15,000.

**QUYON, QUE.**—Plans are being prepared for new Roman Catholic church at this place.

**CARGILL, ONT.**—H. Cargill & Son have just taken tenders on erection of new brick dwelling.

**PEMBROKE, ONT.**—Sewer extension to cost about \$5,000 will likely be carried out this year.

**HESPELER, ONT.**—A four-room addition to the public school is likely to be built this spring.

**EAST TORONTO, ONT.**—The corporation will build a fire hall on Spruce avenue, cost \$600.

**STURGEON FALLS, ONT.**—Cockburn & Sons will build a saw mill either here or at Cache Bay.

**FREDERICTON, N.B.**—The by-law to provide funds for sewerage was defeated on the 10th inst.

**ST. CATHARINES, ONT.**—The City Council will take steps at once to build the Carnegie library.

**FRANKTOWN, ONT.**—The Presbyterians are asking for tenders for building new stone church.

**FENELON FALLS, ONT.**—The village clerk has been instructed to secure prices on road graders.

**NORTH SYDNEY, N. S.**—It is expected that steps will be taken at once to build a new Anglican church.

**BRIDGEBURG, ONT.**—Voting on a by-law to provide for a waterworks system takes place on 20th inst.

**WESTON, ONT.**—Residences will be built this spring by Mrs. Vanalestine, Mr. Wheeler and Mr. Moffat.

**PARIS, ONT.**—The vestry of the Sacred Heart church will be enlarged this summer, at a cost of \$2,000.

**OIL SPRINGS, ONT.**—Malcolm Dunlop has made a proposition to the council to establish a grist mill here.

**ARKWRIGHT, ONT.**—Tenders close 26th inst. for erection of brick school house. Particulars from W. J. Sithe.

**BRANTFORD, ONT.**—The Cockshutt Plow Company have given up the idea of enlarging their works this year.

**SYDNEY, N. S.**—Donald McAdam is asking for tenders up to 21st inst. for enlarging the Church of the Sacred Heart.

**MILVERTON, ONT.**—The village clerk has been instructed to obtain tenders for construction of cement sidewalks.

**WOODSTOCK, ONT.**—The ratepayers will vote on a by-law on March 25th to loan \$12,000 to the Woodstock Wagon Co.

**BROCKVILLE, ONT.**—The plans of B. Dillon, architect, have been accepted for alterations and improvements to Victoria school.

**ORILLIA, ONT.**—W. H. Croker, architect, has been instructed to prepare plans for new Sunday School for St. James' church.

**TOTTENHAM, ONT.**—Voting takes place on 21st inst. on a by-law to establish a municipal electric light plant, at a cost of \$6,000.

**PILOT MOUND, MAN.**—The question of building a new school is submitted to the ratepayers last week. Result not learned.

**FRANKTOWN, ONT.**—Tenders close Saturday, 29th inst., for erection of new Presbyterian church, of stone. Address Peter McEwen.

**PERTH, ONT.**—Bids are asked by John A. Kerr, town clerk, up to Monday April 7th, for purchase of \$17,186 local improvement debentures.

**INDIAN HEAD, N.W.T.**—A. M.

Fraser, architect, has prepared plans for a residence to be built at Rosthern, Saskatoon, by A. J. Bell.

**GUELPH, ONT.**—Steps are progressing towards the installation of a sewerage system, and at an early meeting of council plans will be submitted.

**STRATFORD, ONT.**—Frank Smith, of London, purposes erecting a large brick building on the corner of Ontario and Market streets in this city.

**DRESDEN, ONT.**—The Dominion Government have been asked to dredge the Sydenham river, between Wallaceburg and Dresden, to a depth of 11 feet.

**GRACEFIELD, QUE.**—The Ottawa, Northern and Western Railway will probably extend its line from Gracefield to Maniwaki this year, distance 30 miles.

**REVELSTOKE, B.C.**—The city has been asked to grant assistance towards the construction of a bridge over the Columbia river. The cost will be about \$30,000.

**BUCKINGHAM, QUE.**—At last Council meeting a by-law was passed to raise \$25,000 to erect a market, put in a system of drainage and construct macadam roads.

**KINCARDINE, ONT.**—A joint stock company has been formed, capital \$20,000, to establish a summer hotel here. John Ruettel and William Arnold are directors.

**ALMONTE, ONT.**—The corporation is asking for tenders up to noon of April 7th for the purchase of ten debentures of \$735.82 each. Particulars from L. Coulter, town clerk.

**COMBER, ONT.**—The Michigan Central Railway will probably construct a waterworks system and make an arrangement for supplying the village; estimated cost, \$20,000.

**CARLETON PLACE, ONT.**—The Congregationalists will build a new church this spring.—The School Board have decided to build a new school. N. Riddell is chairman of the Board.

**RONDEAU, ONT.**—The coal hoist and storage plant to be built by the Lake Erie and Detroit River Railway will cost about \$75,000. There will be a dock 24 feet wide and 400 feet long.

**RENFREW, ONT.**—Architects have been asked to submit plans for additions and alterations, including installation of steam heating system, to St. Andrew's church. Rev. Mr. Hay, pastor.

**PALMERSTON, ONT.**—M. Woolbridge has submitted a proposition to the Council to establish a furniture factory here, agreeing to erect a three-storey building, either of brick or cement, 40x80 feet.

**QUEBEC, QUE.**—The Harbor Commissioners are said to have completed arrangements with the Dominion Coal Company under which the latter will erect a coal handling plant in this city to cost \$5,000.

**SMITH'S FALLS, ONT.**—The Frost & Wood Co. have had plans prepared for new office building on Water street, and their architect is now working on plans for another large building to be built this summer.

**EGANVILLE, ONT.**—The Council will submit to the ratepayers a by-law to raise \$3,000 by way of debentures to aid in the construction of a stone bridge across the Bonnechere river; probable cost of bridge, \$15,000. Voting takes place on the 29th inst.

**SAND POINT, ONT.**—Seventy-five acres of land at Norway Bay have been bought by the Canadian Bible Institute, and permanent buildings to be willerected for accommodation of those who attend

the summer rescrpt. Rev. J. A. McFarlane is the moving spirit.

**VANCOUVER, B. C.**—Plans are being prepared by Dr. S. J. Turnstall for a three storey block on the corner of Granville and Dunsmuir streets, to include three stores.—The Pacific Coast Lumber Company is about to commence the construction of a large wharf at Coal Harbor.

**BRACEBRIDGE, ONT.**—Bids are asked by A. C. Salmon, town clerk, up to noon of 24th inst. for purchase of \$12,000 4 per cent. debentures.—The deputation that went to Ottawa last week believe that the government will make a grant towards the proposed new town wharf.

**MIDLAND, ONT.**—The Dominion Government has been memorialized to build a wharf for this town.—A new residence will be built on corner of King and Yonge streets by S. Campbell.—A committee has been appointed to secure plans for a new Presbyterian church.

**TWEED, ONT.**—Dr. Weston Price, of Cleveland, Ohio, was in town recently making arrangements for the erection of a large summer hotel on Lake Massanoga. The contracts will be awarded immediately so that the hotel may be completed by July 1st. It is said that the C.P.R. is interested.

**ST. JOHN, N. B.**—The Board of School Trustees have decided to build a ten roomed school building on Elm street, with mansard roof, cost \$25,000.—The Canadian Pacific Railway will this year continue their extensions and improvements on the west side, including the building of the section of the terminal yard.

**LONDON, ONT.**—It is said that Mr. Rumble has decided to rebuild the Columbia Handle Company's factory.—Herbert Matthews, architect, is preparing plans for new factory for the McCormick Mfg. Co., this city, alterations to residence in South London for R. F. Puddicombe, and new brick residence on Central avenue for H. M. Douglas

**TRURO, N. S.**—The Colchester Electric Co., Limited, is taking steps to establish an electric light and power plant in town. George Lewis and Richard Craig are mentioned as promoters.—Incorporation is being sought for the Nova Scotia Northern Railway Co., to build a railway from a point on the Eastern Extension Railway to connect with the Oxford and New Glasgow Railway. T. G. McMullen is interested.

**SHAWINIGAN FALLS, QUE.**—The Shawinigan Falls Terminal Co. is seeking incorporation from the Quebec Government to construct a railway in this village and the counties of St. Maurice and Champlain; capital stock \$200,000; promoters, J. E. Aldred, W. C. Johnson and R. W. Douglas, of Montreal, and Vivian Burrill and F. Stoughton, of this place.

**WINDSOR, ONT.**—Plans have been accepted for new public library building, to cost \$20,000, and tenders will be asked for at once.—A. J. Nelles, the promoter of the Windsor, Essex and Lake Shore Railway, is endeavoring to interest J. W. Burke, of Wall street, New York, in the project. Accompanied by their engineer, Mr. Newman, they went over the proposed route last week. Mr. Burke is the owner of the electric railway at Sherbrooke, Que.

**SAULT STE. MARIE, ONT.**—Hamilton capitalists have purchased property and will construct an immense fueling and merchandise dock, at an expenditure of \$50,000. William Southam, of Hamilton is interested.—H. R. Halton, architect, is taking tenders for erection of business block on Queen street.—D. and T. Dean, M. McFadden and others are

about to turn the Wilson Farm into a summer resort and will build an hotel and cottages.

**WINNIPEG, MAN.**—S. F. Peters, architect, has taken tenders on new warehouse for the Fairchild Co.—The C. H. Wilson Furniture Co. intend building an addition to the warehouse recently purchased.—The city has given notice of its intention to construct a granolithic walk on both sides of Pacific avenue, from Isabel street to Nena street, at a cost of \$3,971.—It is proposed to construct a macadam pavement on Pembina street, at a cost of \$14,635.

**FORT WILLIAM, ONT.**—John Acquoil will probably build a three storey brick hotel.—J. G. King has returned from Duluth with plans formulated for construction of new cleaning and drying elevator here. It will likely be built of cement and consist of three portions; the handling plant, a building 90x96 feet and 160 feet high, with eight elevating legs; the drying house will be two storeys 90x96 feet, and the boiler house 125x50 feet.—The application of the town to develop 10,000 horse power at Kakabeka Falls was granted by the Ontario Legislature last week.—The C. P. R. have decided to make alterations to the Kamistiquia Hotel, at cost of \$15,000.

**HAMILTON, ONT.**—James E. Dodson is building a dwelling on West avenue, to cost \$1,500.—Charles Mills, architect, is preparing plans for a store to be built on Colborne street, Brantford, by Grafton & Co., clothiers, of this city. Mr. Mills is also building a large departmental store in Brantford for E. B. Crompton & Co.—F. Slater has taken out a building permit for two Lick dwellings on William Street, to cost \$2,100.—At the last meeting of the Board of Education the purchase of property for the new Mary street school was considered. A committee had recommended that a twelve-room school be built. A number of trustees favored a ten-room school and the report was finally referred back to the committee.

**COLLINGWOOD, ONT.**—J. Wilson has prepared plans for several houses to be built by the Collingwood Land Co.—Dr. McCall is having plans prepared for a residence, corner Pine and Second streets.—Stewart & Cameron are taking tenders for a four-storey grist mill.—P. Palen, architect, is asking for tenders up to 22 inst. for erection of brick residence.—E. H. Nolan contemplates building two brick-cased houses on Pine street.—A. McLean has purchased property, corner Elm and First streets, and intends building a store.—An addition to the Arlington Hotel will be built by J. B. McFayden at cost of \$4,500.—William & Walter Stewart, architects, of Hamilton, are preparing plans for the new library to be built in this city.

**OTTAWA, ONT.**—George C. Roe states that a company of United States capitalists is being formed to establish steel works in this city.—The Christian Brothers are having plans prepared for a large addition to their premises on Sussex street.—Ald. James Davidson is having plans prepared for a modern 160 room hotel to be erected on the site of the Cecil House; estimated cost \$75,000.—W. D. Holmes, of this city, is endeavoring to establish a mica factory in Kingston.—In Parliament last week several members suggested that a new public building be erected for the purposes for which certain buildings are now rented. Hon. Mr. Fielding stated

that the Government had already arranged for new public buildings in Ottawa which would cost about \$1,000,000.—Plans are being prepared by Capt. Jones for a new side-wheel steamer to be built by A. Lumsden, M. P. P.—Mrs. T. Martin, of Rideau street, will build four modern dwellings this summer on the east side of King street, near Theodore street.—Robert Haste, chairman waterworks com-

mittee, is asking for tenders up to April 1st for supply of four street sprinkling carts.—Bids are invited by F. Gelinas, secretary department of public works, up to Wednesday, April 2nd, for installation of a hot water system at the armouries, St. Thomas, Ont.—Building permits have been granted as follows: Doucet & Normand, brick veneer dwellings, Cathcart street, cost \$1,700; trustees Grace church, brick Sunday school

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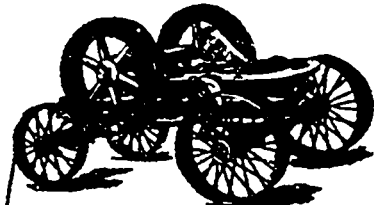
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**MUNICIPAL DEBENTURES BOUGHT**

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building, Elgin street, cost \$2,700; Mrs. A. Martin, frame shop and dwelling, Lyon street, cost \$1,200; William F. Frazer, two frame cottages, LeBreton street, cost \$1,500.

**MONTREAL, QUE.**—The directors of the Windsor Hotel have decided to make improvements to the rotunda, including redecorating.—Sir William MacDonald has given \$10,000 to the Montreal Day Nursery to erect a new building.—L. O. David, city clerk, wants tenders by noon of 20th inst. for repairs to No. 3 fire station.—The residence of the late Joseph Duamel, 241 Sherbrooke street, has been purchased by the Sisters of Hope, and plans are being prepared to convert the house into a community building, the work to be done this summer; estimated cost, \$15,000.—At a meeting of the Board of Chairmen of the different Civic Committees, which was held last week, it was decided to grant \$60,000 of the \$238,000 available to the Water Committee, \$7,000 to the Fire Committee, and \$93,000 to the Roads Committee. The Water Committee will lay a 24-inch main along Commissioner street from St. Sulpice to McGill streets, and a 12-inch main from St. James to Recollet streets, at a cost of \$15,000, and will purchase a new electric pump for the high level reservoir, at a cost of \$24,000. The appropriation to the Fire Committee will be used to purchase two large fire engines, to cost \$15,000, build a new central fire station, cost \$30,000, and purchase other smaller supplies.—H. A. Hodge, president of the South Shore Railway, 20 Sacramento street, is asking for tenders up to the 29th inst. for construction of railway from St. Gregorie, Nicolet county, to a point on the Chaudiere river in Levis county, a distance of seventy miles. The contract will include the furnishing of all labor and material, including grading, excavation, fencing, draining, foundation work, concrete or masonry in bridges and culverts, and timber work in trestles and culverts.—Arthur J. Cooke, architect, 43 St. Sacramento street, has prepared plans for the following work: 4 residences on Elm avenue, Westmount, for T. H.

Christmas, stone fronts; 4 residences on St. Famille street for J. G. Kennedy, stone fronts; 3 residences for W. Rutherford, Westmount, stone fronts; residence on Roslyn avenue, Westmount, for A. R. Whitehall, pressed brick; residence on Roslyn avenue, Westmount, for G. M. Webster, pressed brick; residence on Cote St. Antoine Road, Westmount, for

Mr. Broome, pressed brick; residence on Bruce avenue for J. McD. Hains, stone front; cold storage building on Grey Nun street for Gould Cold Storage Co. Same architect is calling for tenders for two stone residences on Dorchester street for Walter Grose, Westmount, and addition to residence on Stanley street for James Davidson.—Build-

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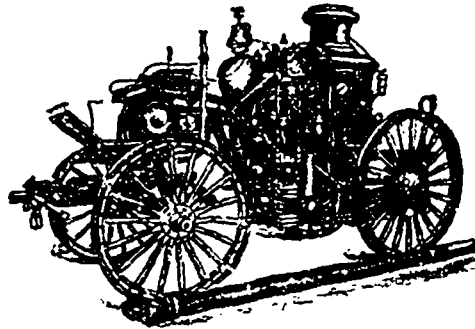
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**L. H. GAUDRY, 101 St. John St., Quebec**

ing permits have been granted as follows: Timothy Starr, five storey warehouse, 97 Jurors street, cost \$7,000, Eric Mann, architect; Henry Birks & Son, five storey factory, rear 12 Phillips Square, cost \$3,500, also alterations to four story office building, cost \$34,000, Hutchinson & Wood, architects; Hon. S. C. Rodier, three storey house and store, 2727 Notre Dame street, cost \$2,650, C. Dufort, architect; Montreal Light, Heat & Power Co., one storey factory, St. Charles street, cost \$2,000.

TORONTO, ONT.—W. R. Strickland, architect, 35 Adelaide street east, wants tenders by 21st inst. for additions and alterations to a house in Parkdale.—Mr. Coatsworth, city commissioner, states that \$25,000 should be spent this year in building new pens, extending the railway platforms, putting in 900 feet of drains and 900 feet of water mains at the cattle market.—It is said that plans have been submitted to prominent Masons for a large Masonic temple to be built in this city, and it is likely that the matter will be brought before the various lodges at an early date.—It is understood that plans have been completed for the new convocation hall for Wycliffe College, and that tenders for construction will be advertised for at once.—A bill was introduced in the Ontario Legislature last week to facilitate the proposed strengthening or reconstruction of the Glen Road bridge across the Rosedale ravine.—The Dominion Government is about to build a branch post-office at the south-east corner of Queen and Abell streets in this city.—Tenders are wanted at 103 Albert street for building a pair of rough-cast houses on Shanley street, lumber supplied.—The Public School Board are asking for tenders in this issue for completion of the Bathurst street school.—Bids are invited by J. A. Ramsden, county clerk, up to 27th inst. for purchase of \$84,000 4 per cent. debentures.—Although the proposed new fire hall for the down town district has been left over until next year, the Fire and Light Committee will make an effort to have the

new fire hall on Cowan avenue proceeded with at once.—The Board of Control are asking for tenders up to noon of 21st inst. for metallic fittings required for the vault in the county court clerk's office at the city hall. Specifications at office of the E. J. Lennox, architect, corner King and Yonge streets. Tenders are also invited by the city up to April 1st for repairs to the asphalt pavements.—The city has given notice of its intention to construct a cedar block pavement on Concord avenue, from Dewson street to a point near Hepbourne street, cost \$3,770, and a macadam roadway on Munro street, from Queen to Gerrard street, cost \$8,560.—The Ontario Department of Public Works is asking for tenders up to 21st inst. for excavating for foundations for the proposed new science building to be built on College street.—The city engineer has reported that an electric light plant for the island would cost \$2,000 for 150 arc lights, and \$30,250 for 150 arcs and 1,500 incandescent lights.—The following works have been recommended: Brick pavement on track allowance, on Howard Park avenue, from Dundas street to High Park, cost \$8,650, and on Dundas street, from the bridges to Bloor street, cost \$5,620; concrete sidewalks on Parliament street, east side, Queen to St. David street, cost \$1,462; west side Wellesley to Howard, \$825; Huron street, east side, College to Russell, cost \$521; Ontario street, west side, Gerrard to Carlton, cost \$973; Coolmine Road, west side, Dundas street to St. Anne's Road, cost \$570; Elm Grove ave., west side, King to Melbourne ave., cost \$781.—The time for receiving tenders for construction of a garbage destructor on the island has been extended to April 1st.

**CONTRACTS AWARDED.**

EMERALD LAKE, B. C.—Hotel for Canadian Pacific Railway: T. Tompkins, Brockville, contractor.  
 DESERONTO, ONT.—Plumbing for new post office and customs house: John Lewis & Co., Belleville, successful tenderers.

BERLIN, ONT.—Mennonite church: Masonry, John Letter; painting, C. Wolfe; carpenter, work not let.  
 TORONTO, ONT.—The Don Valley Brick Works have been awarded the contract for buff bricks for the Board of Trade building, Montreal.—Steinberger,

The  
**Dominion Securities**  
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 26 King St. E., TORONTO.

Highest market prices paid for

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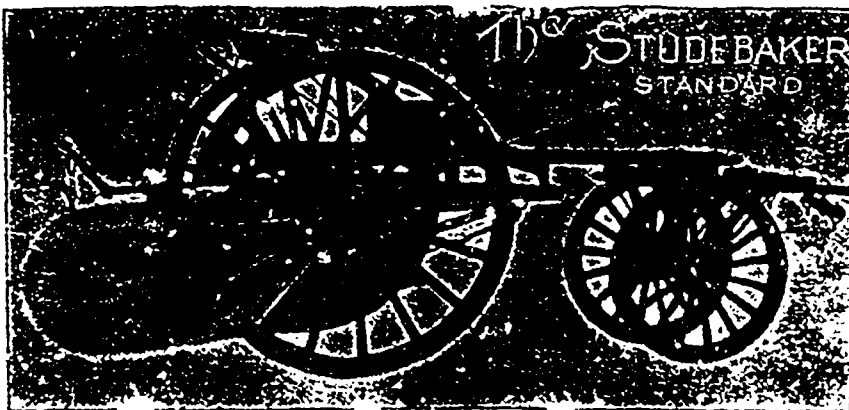
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Hendry & Co. have been awarded the contract for the supply of slates, rulers, wooden pointers and chalk crayons for the Public School Board.

**BROCKVILLE, ONT.**—Driscoll & Fitzpatrick, of this city, have secured the contract for erecting a large summer school on Float Island, in the St. Lawrence, to be run in connection with Trinity School, New York, of which Rev. Mr. Ulman is principal; estimated cost, \$10,000. Plans were prepared by Power & Son, of Kingston.

**MONTREAL, QUE.**—The Fire & Light Committee have awarded Beck & Sautter the contract for supplying 5,000 feet 2½ inch Keystone brand fire hose manufactured by the Canadian Rubber Co., of Montreal. The same firm was awarded the contract for four 55 foot Seagrave Trussed Ladders, and two water tower connections. Three hundred feet of wall ladders will be purchased from H. K. Martin at \$1.25 a foot. Garth & Co. were awarded the order for eight hand extinguishers, known as Babcock's, at \$18 each.—Contracts for extension of Birk & Sons, premises have been let as follows: Masonry and brickwork, Wighton, Morrison & Co.; wood work, Simpson & Peel; roofing, plumbing and heating, Lesard & Harris; plastering, John Morrison & Sons; painting and glazing, Mr. J. Arcand.

**OTTAWA, ONT.**—Tile pipe sewer on Louisa street: P. Labell, successful tenderer, \$857.—Tenders for waterworks supplies have been let as follows: Lead pipe and pig lead, McKinley & Northwood, \$1,066; oils and grease, Queen City Oil Co., \$346; fire alarm supplies, Ahearn & Soper, \$869.42; cast iron pipe, A. Fleck, \$1,058.75; iron castings, Thomas Lawson, \$3 per 100 lbs.; brasswork, McKinley & Northwood, \$163.30; hydrants and valves, Thomas Lawson, \$568.—The following tenders have been accepted for supplies for the Board of Works: Hardware, McDougall & Cuzner, \$93.43; plank and cedar, W. H. McAuliffe, \$2,830; broken stone, T. Sidney Kirby & Co., \$2,435; stone curbing, H. Robillard & Son, \$699.50; sand, H. F. Cumming, 85 cents per cubic yard; brick, Odell Bros., \$7.20 per thousand; portland cement, Ottawa Fire Proof Supply Co., 55½ cents per 100 lbs; vitrified pipe, T. Sydney Kirby & Co., \$6,033 for Scotch pipe.

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

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

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Fineness:—residue on 100 sieve, 4.45%.  
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Highest Class Portland Cement.

Very finely ground.  
Output 1900—one million barrels.  
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MADE AT SHALLOW LAKE, ONTARIO

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Correspondence invited. . . . .

GEO. S. KILBOURN, Secretary-Treasurer.

WORKS: Shallow Lake, Ont. - HEAD OFFICE: Owen Sound, Ont.



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(For all Duties)

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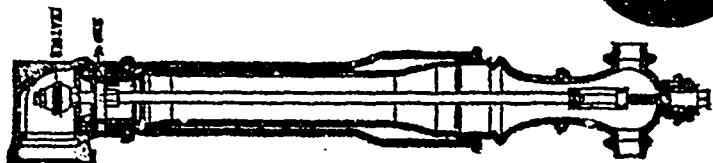
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HYDRANTS and VALVES  
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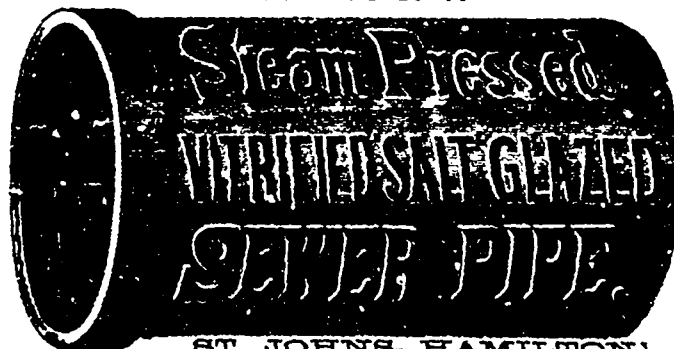
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Sewers**

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Write for Discount  
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**MACADAM PAVEMENTS.**

The annual report of Col. H. N. Ruttan, city engineer of Winnipeg, Man., deals at length with the much discussed question of macadam pavements. Of the 47.1013 miles of pavement in Winnipeg 25.67 are of macadam, most of which has been done during the last four years. Most of the macadam roads up to this year were constructed of broken stone 10 inches thick at centre and 8 inches at the sides, the first course being of limestone and the top three inches trap. Roads are now being constructed, of all limestone. One street has been laid with flat stones in foundation.

The most modern and approved systems have been adopted in the construction of the pavements, and the macadam has answered its purpose quite as well as its advocates expected.

Macadam is not a pavement suitable for a heavy traffic city street, and the fact that it has not been satisfactory on Princess street and Higgins avenue is only what might have been expected. On residence streets, macadam is giving excellent service for the amount of money expended. The fact is too often lost sight of, that the advantages of asphalt at \$2.25 per square yard cannot be expected from macadam at 80 cents per square yard. As has been pointed out from the first, the full benefit of macadam cannot be realized while a great portion of the streets and lanes remain unpaved, and loose mud is carted from them onto the macadam, the mud being so tenacious that the surface of the macadam is torn up and destroyed. In some places, the whole depth of the macadam in the wheel tracks has been taken up and carried off on mud-coated wheels.

In order to assist in overcoming the above difficulty, it is suggested that every encouragement be given to induce the early pavement of lanes in the more closely built portions of the city. The cost to the property of 18 feet pavement (macadam) on lanes would be 12 cents per foot of property per annum for ten years. The saving effected to the city, on general macadam repairs, would be very considerable, and the character of the macadam pavement very much improved, if the lanes were paved.

Referring to the method of constructing macadam pavement it has been suggested that improvements would be made by (a) giving the roads more crown in the centre, (b) using flat stones for a foundation, (c) a greater depth of broken stone.

It may not be generally known that Macadam strongly disapproved of all these suggestions, and as it may be of interest to know exactly what he thought of them, the following extracts from his reports are given.

"A road should be as flat as possible with regard to allowing the water to run off at all, because a carriage ought to

stand upright as much as possible. I have generally made roads three inches higher in the centre than I have at the sides when they are 18 feet wide.

"When a road is made flat, people will not follow the middle of it as they do when it is made extremely convex. Travellers generally follow the track in the middle, which is the only place where a carriage can run upright, by which means three furrows are made by the horses and the wheels, and the water continually stands there; and I think more water actually stands upon a convex road than on one which is reasonably flat."

Macadam's great objection to laying down a bottom of large stones was that such a foundation "acts as a sieve which lets the water in which penetrates the whole mass, when the road is liable to give way in all changes of weather."

He says: "I should think that 10 inches of well consolidated material is equal to carry anything. I should not care whether the substratum was soft or hard; I should prefer a soft to a hard one."

A good Telford foundation would, no doubt, be found satisfactory, but it would be much more expensive than the all broken stone pavement, which, as far as the foundation is concerned, appears to answer every purpose. The chief trouble with our pavement arises from damage to the surface by tenacious clay brought on by wheels, and, in this respect, there would be the same trouble with the Telford as with the ordinary macadam.

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

**NOTES.**

The Hahn Brass Company, of New Hamburg, Ont., has been incorporated, with a capital of \$40,000.

According to the annual report of the city engineer, the sum of \$147,000 was spent in local improvement works by the city of Ottawa last year. On the main drain the outlay was \$148,000, and on the waterworks \$63,800. Snow cleaning cost \$9,989. The total expenditure on granolithic walks was \$74,009.30 and the cost 16 7/10 cents per foot. The cost in the previous year was 16 7/10 cents. The total mileage of concrete walks is 74.22, and the total mileage of asphalt roadway 4.59. Fourteen miles of roadway are occupied by the street railway, and the track mileage is 24.04.

The Court of Appeals has maintained the judgment for \$5,800 rendered in the Superior Court against the city of Montreal, in the case of Brunet vs. the city. The plaintiff claimed \$12,000 as the value of property taken to open a street. The city produced a title made in 1871, from one Johnson. The plaintiff, Brunet, showed that he had bought the property at sheriff's sale since that date, and that the city had imposed taxes upon him as the proprietor or of the land, thus establishing his rights as proprietor. His claim was admitted by the Courts to the extent of \$5,800.

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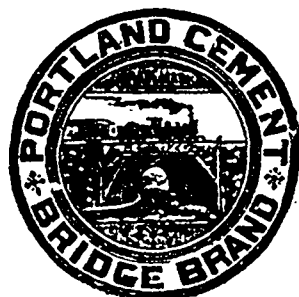
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NORTH'S "CONDOR" BRAND AWARDED FIRST PRIZE AND GOLD MEDAL AT THE ANTWERP EXHIBITION



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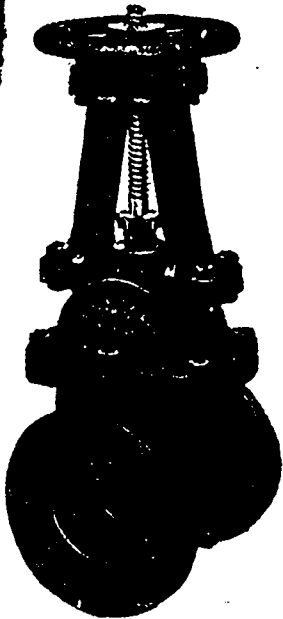




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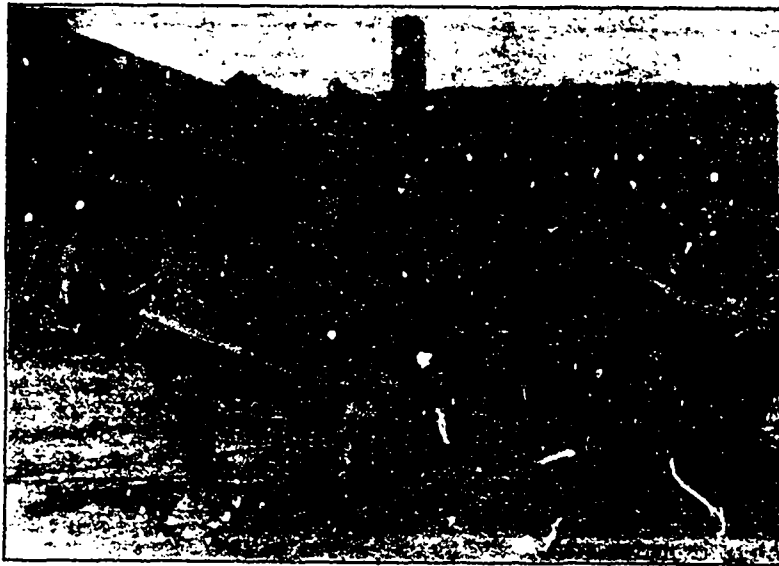
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Flexible and Flange Pipe,  
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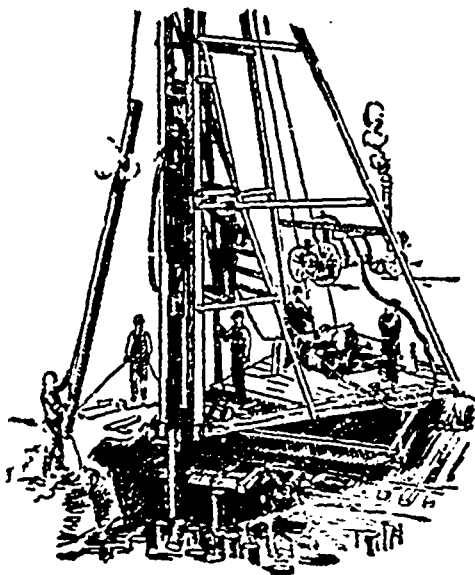


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Table listing prices for Milton Pressed Brick and Sewer Pipe Co. products in F.O.B. Montreal and F.O.B. Milton, Ont.

Table listing prices for Don Valley Pressed Brick Works products, including various types of pressed bricks and sewer blocks.

Table listing prices for Toronto Pressed Brick and Terra Cotta Works products, including various types of pressed bricks and terra cotta.

Table listing prices for Beamsville Brick and Terra Cotta Co. products, including various types of pressed bricks and terra cotta.

Index to advertisements listing various categories such as Architects, Contractors' Plant and Machinery, Mantels, Grates, and Tills, Reflectors, Roofing Materials, etc.

Beamsville, Montreal.

Table listing prices for Beamsville, Montreal products, including various types of bricks and tiles.

STONE.

Toronto, Montreal

Table listing prices for various types of stone, including rubble, granite, and limestone.

F.O.B. Halifax.

Table listing prices for stone products from F.O.B. Halifax.

CREDIT VALLEY STONE.

F.O.B. Quarries.

Table listing prices for Credit Valley Stone products from F.O.B. Quarries.

SLATE. Toronto, Montreal

Table listing prices for various types of slate in Toronto and Montreal.

CEMENT, LIME, etc

Table listing prices for various types of cement and lime.

ARCHITECTURAL VARNISHES.

THE IMPERIAL VARNISH AND COLOR CO., LIMITED. (Highest grade)

Table listing prices for various types of architectural varnishes.