

Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

Coloured covers/
Couverture de couleur

Coloured pages/
Pages de couleur

Covers damaged/
Couverture endommagée

Pages damaged/
Pages endommagées

Covers restored and/or laminated/
Couverture restaurée et/ou pelliculée

Pages restored and/or laminated/
Pages restaurées et/ou pelliculées

Cover title missing/
Le titre de couverture manque

Pages discoloured, stained or foxed/
Pages décolorées, tachetées ou piquées

Coloured maps/
Cartes géographiques en couleur

Pages detached/
Pages détachées

Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)

Showthrough/
Transparence

Coloured plates and/or illustrations/
Planches et/ou illustrations en couleur

Quality of print varies/
Qualité inégale de l'impression

Bound with other material/
Relié avec d'autres documents

Continuous pagination/
Pagination continue

Tight binding may cause shadows or distortion along interior margin/
La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure

Includes index(es)/
Comprend un (des) index

Title on header taken from: /
Le titre de l'en-tête provient:

Blank leaves added during restoration may appear within the text. Whenever possible, these have been omitted from filming/
Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.

Title page of issue/
Page de titre de la livraison

Caption of issue/
Titre de départ de la livraison

Masthead/
Générique (périodiques) de la livraison

Additional comments: /
Commentaires supplémentaires:

This item is filmed at the reduction ratio checked below /
Ce document est filmé au taux de réduction indiqué ci-dessous.

10X	12X	14X	16X	18X	20X	22X	24X	26X	28X	30X	32X
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL
OF THE CONTRACTING INDUSTRY

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. 9.

JUNE 15, 1898

No. 20

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

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

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

C. H. MORTIMER, Publisher,

CONFEDERATION LIFE BUILDING, TORONTO.
Telephone 2362.

Information solicited from any part of the Dominion regarding contracts open to tender.

Advertising Rates on application.

New York Life Insurance Building, Montreal.
Bell Telephone 2299.

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

TENDERS

Sealed Tenders, separate or bulk, addressed to S. Dubler, Esq., Chairman of Building Committee, will be received by the undersigned up to six o'clock p.m. 17th JUNE, INSTANT, for the various trades required in the erection of a

BRICK AND STONE TWELVE ROOM SCHOOL BUILDING

on Balachara Street, St. Thomas, Ont., plans and specifications for which may now be seen and forms of tender obtained at the office of J. Z. Long & Son, Architects, St. Thomas, Ont. A deposit of 2½ per cent. of the amount of the tender must accompany each tender. The lowest or any tender not necessarily accepted.

J. Z. LONG & SON, Architects,
Journal Building, St. Thomas.

CITY OF WINNIPEG

WATERWORKS

Proposals, addressed to W. G. Bell, Chairman Fire, Water and Light Committee, Winnipeg, Man., will be received at the office of the undersigned up to 8.30 o'clock on

MONDAY EVENING, THE 25TH DAY OF JULY, 1898,

FOR THE

Construction and Supply of a System of Wells and Pumping Plant

for the supply of 4,000,000 gallons of water daily to the reservoirs of the City.

Information and specifications may be obtained from H. N. Ruttan, City Engineer.

C. J. BROWN,
City Clerk.

TENDERS FOR ROCK CRUSHER

Tenders for a Rock Crusher will be received by the undersigned up to FRIDAY, JUNE 17th, 1898. The lowest or any tender not necessarily accepted.

W. COLE,
Chairman Streets and Sidewalks Committee,
Niagara Falls, Ont., June 10, 1898.

TENDERS WANTED

STEEL BRIDGE IN LINDSAY

Tenders will be received by the undersigned until JUNE 30th INSTANT, for a steel superstructure to be placed on the stone piers of the Lindsay Street Bridge, on plans and specifications to be submitted by the tenderer.

Bridge to consist of two spans of about fifty feet each in length, width of roadway 17 feet, and sidewalk about five and one-half feet.

Tenders must be accompanied by a marked cheque for ten per cent. of amount of tender, payable at a chartered bank in Lindsay.

F. KNOWLSON, Town Clerk,
Lindsay, Ont.

WATERWORKS

Listowel, Ont.

Sealed tenders, addressed to the undersigned, will be received by this Corporation up to 8 p.m. of

Wednesday, the 29th June, 1898

Separate or bulk tenders wanted, covering all material and labor complete, for POWER HOUSE, STEAM BOILER, ELEVATED STORAGE TANK, WATER MAINS, VALVES, HYDRANTS, &c.

Full particulars can be had and plans and specifications seen at Listowel, or at the head office of the Consulting Chief Engineer, JOHN GALT, C.E. and M.E., Canada Life Building, Toronto.

Marked bank cheque, payable to the Corporation, for 6 per cent. of tender, must accompany bid. The lowest or any tender not necessarily accepted.

W. E. BINNING, Town Clerk.

CITY OF WINNIPEG

Tenders for the Supply of Cast Iron Pipe, Specials, Hydrants, &c., for the Purpose of a Waterworks System.

Sealed tenders, addressed to W. G. Bell, Esq., Chairman of the Committee on Fire, Water and Light of the City of Winnipeg, for the supply of the Cast Iron Pipe, Specials, Hydrants, Valves, &c., required for the establishment of a Waterworks System in the City of Winnipeg, will be received at the office of the undersigned up to 8.30 p.m. on

Monday, 8th August, 1898.

Specifications, bills of quantities, &c., may be obtained on application at the office of the City Engineer, Civic Office, Winnipeg.

The lowest or any tender not necessarily accepted.

C. J. BROWN, City Clerk,
City Clerk's Office, Winnipeg, June 8th, 1898.

Sealed Tenders

Separate or bulk, addressed to S. Dubler, Chairman of Building Committee, will be received by the undersigned up to 6 o'clock p.m. of the 17th JUNE, INSTANT, for the various trades required in the erection of a Brick and Stone School Building on Wellington Street, in the City of St. Thomas, Ont.

Plans and specifications may now be seen and forms of tender obtained at the office of N. R. Darrach, Architect, St. Thomas, Ont.

A deposit of 2½ per cent. of the amount of tender must accompany each tender.

The lowest or any tender not necessarily accepted.
N. R. DARRACH, Architect,
St. Thomas, Ont., June 6th, 1898.

TENDERS WANTED

FOR

Drainage Work

Sealed tenders, endorsed "Tender for Drainage," and addressed to J. A. Cockburn, Crisler, Ont., will be received up to the hour of 8 o'clock p.m. on

Tuesday, the 5th Day of July, 1898,

for the deepening, widening, straightening, improving, etc., of the Payne River and Beaver Creek, in the 1st concession of the Township of Finch.

Section 1, Payne River, length 1 mile.	
Estimated cost of excavation	\$5,532.50
Highway Bridge	600.00
Section 2, Payne River, length 4,600 feet.	
Estimated cost of excavation	2,280.00
Section 3, Beaver Creek, length 4,300 feet.	
Estimated cost of excavation	261.00
Bridges	75.00
Total	\$9,348.50

Plans, specifications, forms of tender, etc., to be seen at the office of J. A. Cockburn, Esq., Clerk of the Township of Finch, and at the office of T. H. Wiggins, Engineer, Glengarry Block, Cornwall, Ont., on and after Monday, June 27th, 1898.

The lowest or any tender not necessarily accepted.

J. R. W. CRYSLER, Reeve
J. A. COCKBURN, Clerk.

T. H. WIGGINS, Engineer.

NOTE: The work below is an extension of this work.

TENDERS WANTED

FOR

Drainage Work

Sealed tenders, endorsed "Tender for Drainage," and addressed to R. C. McGregor, Esq., Sandringham, Ont., will be received up to the hour of 8 o'clock p.m. on

Thursday, the 7th Day of July, 1898,

for the deepening, widening, straightening, improving, etc., of the Payne River in Finch and Roxborough Townships.

Section 3, Payne River, Length	15,200 ft.
" 4, " "	14,000 "
" 5, " "	20,110 "
Estimated cost, Earth Excavation	\$12,200.64
Road Culverts	425.00
Total	\$12,625.64

Plans, specifications, forms of tender, etc., to be seen at the office of R. C. McGregor, Esq., Clerk of Roxborough Township, and at the office of T. H. Wiggins, Engineer, Glengarry Block, Cornwall, Ont., on and after Monday, June 27th, 1898.

The lowest or any tender not necessarily accepted.

H. CAMPBELL, Reeve
R. C. MCGREGOR, Clerk.

T. H. WIGGINS, Engineer.

NOTE: This work is an extension of the (Payne River and Beaver Creek drainage) above work.



TENDERS FOR UNBROKEN STONE

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

Wednesday, the 22nd Inst.,

for the supply of 200 tons of Unbroken Stone, suitable for macadam, to be delivered at the city yard, foot of Frederick Street.

Specifications may be seen and forms of tender obtained at the office of the Street Commissioner, Toronto, on and after June 14th 1898. A marked cheque, payable to the order of the City Treasurer, or a cash deposit, equal to 5 per cent. on the value of the stone tendered for, must accompany each and every tender.

Should any party whose tender is accepted fail to execute the necessary contract, and give satisfactory security to the City Treasurer for the due delivery of the stone tendered for, his deposit will be forfeited to the city. The deposits of unsuccessful tenderers will be returned. The lowest or any tender not necessarily accepted.

JOHN SHAW, Mayor,
Chairman Board of Control

City Hall, Toronto, June 14th, 1898.



NOTICE TO CONTRACTORS

Tenders will be received, by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, up to noon on

Wednesday, the 22nd Inst.,

for the construction of the following works, viz.:

BRICK PAVEMENTS:

On Leonard Avenue, from Bellevue Avenue to Nassau Street.

On Clinton Street, from College Street to 2,305 feet north.

On Close Avenue, from King Street to Huxley Street.

ASPHALT PAVEMENTS:

On Yonge Street, Bloor Street to Davenport Road.

On Euclid Avenue, from College Street to Ulster Street.

CEDAR BLOCK PAVEMENT:

On St. Patrick Street, from Bathurst Street to Denison Avenue.

CONCRETE WALKS:

On Simcoe Street, e.s., Wellington Street to a point 50' 6" south

Wellington Street, e.s., Simcoe Street to a point 130' 6" east.

SCORIA BLOCK PAVEMENT:

On Yonge Street, from King Street to Hayter Street (track allowance only).

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after June 13th, 1898.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 2½ per cent. on the value of the work tendered for, must accompany each and every tender, otherwise they will not be entertained.

Tenders must bear the bona-fide signature of the contractor and his sureties, or they will be ruled out as informal.

Lowest or any tender not necessarily accepted

JOHN SHAW, Mayor,
Chairman Board of Control.

City Hall, Toronto, June 14th, 1898.

CONTRACTS OPEN.

HARTLAND, N. B.—The new residence of G. R. Burt will cost \$5,000.

STRATHCLAIR, MAN.—S. Russell intends building a dwelling house.

WESTON, ONT.—Extensive improvements will be made to the high school.

CHISELHURST, ONT.—The foundation for a Presbyterian church is being built.

GALT, ONT.—A sewer will be built from the hospital to the river, cost \$800.

GRANBY, QUE.—Steps will be taken by the town to build an armory and drill hall.

COATICOOK, QUE.—The town council has decided not to buy a stone crusher at present.

ORILLIA, ONT.—The G.T.R. will build a new railway bridge at the Narrows, near this town.

AYLMER, QUE.—John Watt is preparing to rebuild.—The old Ogilvy hotel will be extended.

KENTVILLE, ONT.—S. H. Kent has purchased two lots, and will erect a residence thereon.

CARBERRY, MAN.—The by-law to raise \$6,000 for fire protection was defeated by the ratepayers.

WALLACEBURG, ONT.—W. Colwell will erect a two-story brick block on the Queen's Hotel site.

WELLAND, ONT.—The sum of \$1,616 will be borrowed by the town to build a sewer in Third ward.

BRANTFORD, ONT.—The Massey-Harris Co. contemplate building a large addition to their factory.

NIAGARA FALLS, ONT.—W. Cole is open to receive tenders up to 17th inst. for supplying a rock crusher.

THOROLD, ONT.—The ratepayers will be asked to sanction a loan of \$7,000 to extend the electric light plant.

TILBURY CENTRE, ONT.—The tenders for the R. C. convent were found too high, and offers will again be asked for.

TORONTO JUNCTION, ONT.—Mr. Powell has had plans prepared for a two-story dwelling to be built on Quebec avenue.

PETERBORO, ONT.—A by-law providing for the extension of the sewerage system has been given its first reading in council.

NEW WESTMINSTER, B. C.—The Royal Agricultural and Industrial Society purpose erecting additional exhibition buildings.

PARRY SOUND, ONT.—Mr. Harcourt is arranging for building a spool and bobbin factory here, and will let contracts this week.

OSHAWA, ONT.—F. L. Fowke invites tenders up to June 20th for supplying material and constructing two grain elevators.

DURHAM, ONT.—Offers for the purchase of \$15,820 of consolidated debentures will be received by W. Calder, Mayor.

MADOC, ONT.—A vote of the ratepayers will be taken on July 14th on the question of purchasing a steam fire engine.

ALMONTE, ONT.—T. A. Thompson wants tenders by 20th inst. for remodeling and reseating school house No. 12, Ramsay.

MOUNT FOREST, ONT.—W. C. Perry, town clerk, will receive tenders up to June 20th for the purchase of \$40,500 of debentures.

MAPLE CREEK, N. W. T.—Jean Claustre will build a stone store, 50 x 70 feet, two storeys, of freestone, with sandstone front.

GANANOQUE, ONT.—The citizens will vote on a by-law granting \$5,000 to assist in the rebuilding of the McKenzie furniture factory.

WALLACEBURG, ONT.—On July 6th the ratepayers will vote on a by-law to borrow \$5,000 for granolithic walks. H. E. Johnson, town clerk.

BRAMPTON, ONT.—Tenders will be received by J. H. Watson, Snellgrove, up to 17th inst. for stone abutments for bridge, also stone arch.

ROCKWOOD, ONT.—Separate or bulk tenders are asked for building Presbyterian manse up to 18th inst. John McNab, secretary of committee.

QUEBEC, QUE.—J. R. Booth, of Ottawa, was in the city recently in connection

with the possible extension of the Great Northern Railway to Quebec.

OWEN SOUND, ONT.—A company has been formed here to construct granolithic pavements, the capital being placed at \$25,000. Plant will be purchased at once.

DELHI, ONT.—Roger Chrysler wants tenders by June 25th for 10,000 feet stock plank, 2" thick, 8" wide and 12 to 16 feet long, and 6,000 feet cedar scantling 4 x 4.

SUSSEX, N. B.—J. P. Bryne, barrister, is about to commence a three-storey brick building, with 60 feet frontage.—Work was commenced last week on the new R. C. church.

WESTMOUNT, QUE.—Proposals for the purchase of \$200,000 of bonds will be received by William Minto, secretary treasurer of the municipality, up to 20th inst.

ST. THOMAS, ONT.—The House of Industry Committee of the County Council have had plans prepared for a small brick and stone building, with slate roof, to cost \$1,149.

WATERLOO, ONT.—The ratepayers have sanctioned the by-law granting a bonus of \$12,000 to the Galt and Preston Electric Railway for the extension of its road.

ASHBURNHAM, ONT.—Arrangements have been made for the construction of a system of waterworks for the village, the supply to be obtained from the Peterboro' Water Company.

MORDEN, MAN.—C. R. Dumsford, honorary secretary, wants tenders by 20th inst. for putting in hot water apparatus in the Freemason's Hospital. Plans at Vulcan Iron Works.

VICTORIA, B. C.—Notice is given of the incorporation of the Ymir Waterworks Company, capital \$12,000, and the Casca Trading and Transportation Company, of Glenora, capital \$100,000.

DOMINION CITY, MAN.—Tenders have been asked for building traffic bridge across Rosseau river.—J. Otway will receive tenders up to June 14th for building an elevator. Plans at office of Mr. Bagshaw.

EDMONTON, N. W. T.—P. Heiminek & Co., on behalf of Wm. McMoran, of St. Hyacinthe, Que., has made a proposition to the town to erect a woollen mill. A free site and exemption from taxation is asked.

HALIFAX, N.S.—E. Prosper Bender, of Montmagny, Quebec, and John Hollingshead, of London, England, are considering the question of establishing an abattoir in this city, for the purpose of shipping to England.

ROSSLAND, B. C.—The Hamilton Powder Co. will erect a magazine capable of holding 10 carloads of powder.—Edward Mohun, C. E., of Victoria, has reported regarding the disposal of the sewerage of this town.

AMHERST, N. S.—The surveying of a route for the proposed railroad from Amherst to the North Shore via Truemanville and Chapman Settlement, has been decided upon by the Amherst, and Eastern Railway Co.

PORTAGE LA PRAIRIE, MAN.—John Griffith, architect, has received instructions to prepare plans for alterations to the Pratt opera house.—T. C. Silverthorne, architect, is preparing plans for the proposed new school.

LENNOXVILLE, QUE.—At the annual meeting of the corporation of Bishop's College, a committee was appointed to report on the question of college extension. If funds are forthcoming, a new residential building for students will be erected.

LUCAN, ONT.—Dr. Shaw is making arrangements for building telephone lines to some of the neighboring villages. We understand a line will be built first to

Southgate, in London township, and afterwards to Santsbury and Mooresville.

RAT PORTAGE, ONT.—It is reported that Mr. Hilliard has in contemplation the re-building of the opera house here.—Tenders are invited up to 28th inst. for building central school, from plans by Head & Co., architects. Address W. A. McLeod, chairman Building Committee.

RENFREW, ONT.—B. Dillon, architect, wants tenders by June 18th for the following work: Hot water heating and plumbing in residence of G. E. Reid, Portage-du-Fort; hot water heating and plumbing in residence of John McLaren, Renfrew; plumbing in the Barnett Block, Renfrew.

ST. HYACINTHE, QUE.—The St. Hyacinthe and Granby Railway propose building a bridge across the Yamaska and a passenger depot on the site of the old Duclos & Payan tannery. The proprietors have petitioned the council for a grant of \$75,000 as the city's contribution.

BROCKVILLE, ONT.—The Mayor has advertised for sites suitable for proposed pork packing establishment.—The time for receiving tenders for the extension to St. Vincent de Paul hospital has been extended to June 22nd. Whole or separate tenders are asked. Liston & Liston, architects.

LINDSAY, ONT.—The telegraph and electric light companies will probably be asked to lay their wires underground.—The Property Committee will report as to the better ventilation of the council chamber.—The Lindsay street bridge is in an unsafe condition, and it is probable that an iron structure will be built by the town.

HULL, QUE.—The city council is considering the question of purchasing property on which to build a slaughter house.—The contract for the Toronto Rubber Co.'s factory has not yet been awarded. It is said that the building when completed, will cost \$100,000. John Kennedy is consulting engineer for the company.

VANCOUVER, B. C.—A large portion of the Board of Works appropriation will be spent this year in regrading Westminster avenue and Westminster road.—Tenders are wanted by W. T. Dalton, architect, for brick and stone building for G. Ward DeBeck.—A Mr. Curtis has purchased a site on which it is proposed to erect a fine theatre building.

KASLO, B. C.—The plans of Messrs. Ewart & Carie, of Nelson, have been chosen for the new municipal building for this place. The structure will be two stories and stone basement, with hot air heating, improved plumbing, cement floor in basement, electric wiring, etc.; estimated cost \$8,300. Bids for construction will be asked immediately.

ST. JOHN, N. B.—Robert Morrison will receive tenders up to 20th inst. for the erection, including plumbing, of an Alms House near Norton Station, in King's county. Plans at office of G. E. Fairweather, architect, this city.—The Dominion Government purposes expending half a million dollars on improvements to the harbor here, \$250,000 to be spent this year.

FORT WILLIAM, ONT.—The town council has decided to submit another by-law to raise \$40,000 to extend the waterworks system to Fort street.—Gordon & Ironsides, of Winnipeg, are looking for a site here on which to erect a cold storage warehouse.—S. T. Eagle and John Crerar, of Chicago, were here last week in the interest of blast furnace and iron industries, for which there is a standing offer of a bonus of \$50,000.

WINNIPEG, MAN.—The city council will invite tenders at once for macadam pavements on Bannatyne avenue, from Princess street to Nena street, cost \$12,000, on Hargrave street, from Portage avenue to Cumberland avenue, cost

\$4,000, and on Alexander avenue.—Miller, Morse & Co. will erect a large warehouse in rear of their wholesale establishment on Princess street.—Tenders for erection of brick and stone building, corner Portage avenue and Fort street, will be received by C. H. Enderton up to 16th inst.

KAMLOOPS, B. C.—Tenders for the erection of the superstructure of the bridge over North Thompson will be invited as soon as the drawings can be prepared by the provincial public works department. The bridge will be of the Howe truss pattern, 939 feet in length, inclusive of a draw span of 180 feet, with clear openings of 76 feet. The piers will be framed structures of three bents, sheathed on the outside with three-inch planking. These will rest on a substructure of piles protected by a stone-filled cribwork casing.

FREDERICTON, N. B.—The town council has voted to have plans prepared at once for necessary improvements to the pumping station, including new boiler.—Plans have been completed for the enlargement of the curling rink, including a small addition and new roof; estimated cost \$1,200.—The Y.M.C.A. have purchased Temperance hall on York street, and purpose making quite extensive necessary repairs to the exterior of the building. Later on the remodelling of the stores on the ground floor and putting in plate glass fronts is anticipated.

LISTOWEL, ONT.—Voting on the by-law to raise \$19,700 for electric light and waterworks takes place on July 5th.—W. E. Binning, architect, is preparing plans for a Sunday school building in connection with the Presbyterian church at Chesley, the building to be 72 x 30 feet, semi-circular in form, with transepts and gallery, basement, &c.; probable cost \$3,500. The plans for new Methodist church in same town are being modified, tenders opened being over the amount appropriated \$6,500. Bids will be received again until the 22nd inst. About 250,000 brick will be used in the two buildings, which are of modern design and fitted with the latest improvements. Plans at the architects' office, Main street, this town, and at Chesley.

HAMILTON, ONT.—William & Walter Stewart, architects, are preparing plans for the extension of the Times job printing establishment.—Robert Clohocy, architect, takes tenders up to June 16th for erection of a presbytery for the parish of St. Lawrence.—T. Beasley, city clerk, wants tenders by 20th inst. for annual supply of brick, waterlime, Portland cement, sand and castings for sewer de-

partment, also for constructing a pipe sewer on Ray street, from Hunter to Bold street.—A. S. James will erect a factory on King William street and put in new plant and machinery.—A building permit has been granted to Win. & Walter Stewart, architects, for coal sheds at Ferguson ave. and Cannon streets for John H. Cummer; cost \$1,500.

MONTREAL, QUE.—Plans have been prepared by J. Z. Resther, architect, for the new fire station to be built at the corner of Notre Dame and Beaudry streets, and tenders for construction will be invited at once. The question of building a hose tower in connection with the station is under consideration. Opposition is being made to the rebuilding of the west end abattoir on the former site.—A movement is on foot to have the school of St. John the Evangelist incorporated as a public school and managed by a board of governors. Should this be done, it is probable that the buildings will be enlarged.—The city council has approved the recommendation of the committees to grant a site to the G.T.R. for the erection of an office building. The company will be asked to erect a building to cost \$250,000.

LONDON, ONT.—Herbert Mathews, architect, invites tenders up to Thursday, 16th inst, for the erection of a commercial building on Princess avenue, in connection with the Collegiate Institute.—Building permits have been granted as below: W. C. Fitzgerald, barrister, two-storey brick residence on Waterloo street, between King and York streets; W. S. Davidson, two-storey brick veneer residence, corner of Ridout and Emery streets.—The Minister of Education states that plans for the proposed Normal School to be built in this city have been prepared, and that tenders will be invited at an early date.—The city council has decided to call for tenders for a municipal electric light plant.—A five-story business block will, it is said, be erected at the corner of York and Clarence street in the fall, to be occupied by Selig Bros. and Gorman, Eckert & Co.—A deputation from the City Council will visit the sewage disposal works at Hamilton, which are said to be similar to the system proposed to be adopted here.

TORONTO, ONT.—The Separate School Board will hold a special meeting on June 21st, to open tenders for repairs and for building a new school on Crier Howell street and a two room addition to St. Patrick's school.—The Kemp Mfg. Co.

(Continued on page 4.)

THE HAMILTON BRIDGE WORKS CO., LIMITED.
HAMILTON - CANADA

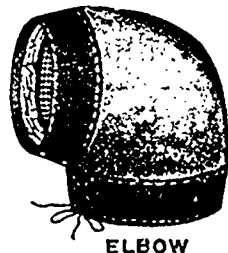
Railway and Highway Bridges

AND ALL KINDS OF

STEEL STRUCTURAL BUILDING WORK, Observation and Water Towers, Tanks, Caissons, Piers, Buoys, Roofs, Inclines, Etc.

STEEL SHIPS. HEAVY FORGINGS a Specialty.

A Large Stock of STEEL BEAMS, CHANNELS, ANGLES and PLATES always on hand.....ESTIMATES FURNISHED ON APPLICATION.



ELBOW

MICA BOILER AND STEAM PIPE COVERINGS

The Highest Non-Conductor and the Cheapest Covering on the Market.

Full Particulars from

The Mica Boiler Covering Co. - 9 Jordan St., Toronto
MONTREAL WINNIPEG

purpose building another addition to their factory, corner Gerrard and River streets.—The city invites tenders up to Wednesday, 22nd inst., for the supply of 200 toise of unbroken stone.—The Minister of Public Works has announced his intention to build two or three additional groynes for the protection of Toronto Island. A building permit has been granted to Park, Blackwell & Co. for a brick and stone packing house, four storeys, with cold storage warehouse, west side Bathurst st., south of railway, cost \$30,000.—Bond & Smith, architects, Temple building, are preparing plans for a new building for St. Clement's church on Queen street, east of the Don, to be heated by furnace. They are also getting out plans for a large stone addition to Sir Sanford Fleming's house at Ottawa, with hot water heating.—J. Francis Brown, architect, will invite tenders next week for a Baptist church in East Toronto, of brick and half timber construction. He has also prepared plans and will take tenders shortly for a residence on Palmerston avenue.—A resolution was passed by the City Council on Monday instructing the Board of Control to consider ways and means for the erection of a new bridge over the Don at Queen street.—A petition has been received against the construction of an asphalt pavement on Spencer ave., from King street to Springhurst ave.

OTTAWA, ONT.—Mr. Smith, general merchant, of Gattineau Point, will build a large store on Main street at an early date.—E. F. E. Roy, secretary Department of Public Works, will receive tenders up to Tuesday, 28th inst., for the construction of a pile wharf at St. Anns, Victoria county, N.S. Plans at above department and at office of E. G. Milidge, Antigonish, N. S., and the postmaster at St. Anns. Tenders are invited up to the 17th inst for the erection of a new fire station in St. George's ward, from plans by J. F. Alexander, architect.—A reputation from the councils of Hull and Aylmer have requested the Minister of Railways and Canals to endeavor to secure the extension of the Pontiac & Pacific Junction railway from Aylmer to Hull.—The Finance Committee has decided to issue debentures for the sum of \$425,000 for the purpose of carrying out the main drainage scheme.—Incorporation has been granted to the Canadian Electric & Water Power Co., to construct waterworks systems in different localities throughout Canada. W. A. Allan and Sanford H. Fleming, of this city, are interested.—No decision has as yet been reached regarding the contract for asphalt paving. Tenders close on Monday next for school furniture for new schools on First avenue and Cambridge street.—The following building permits have been granted I. H. Webb, solid brick building on Wellington street, G. W. Perkins, owner, cost \$1,400; S. J. Davis, two brick veneered residences, Maclaren street, cost \$2,000 each; two brick veneered residences, Henderson avenue, cost \$2,400 each; M. C. Edey, brick warehouse for J. M. Garland, Queen and O'Connor streets, 66x66 feet, cost \$17,000; Gordon C. Edwards, brick dwelling, McKay street, cost \$4,500; L. L. Horwood, brick dwelling, Metcalfe street, cost \$3,000.—The E. B. Eddy Co. are preparing to erect a large modern match factory, equipped with labor-saving machinery.

Please mention the CONTRACT RECORD when corresponding with advertisers.

FIRES.

The following buildings were burned during the past week: House of Joseph Bourque at St. Wencelas, Que., loss \$1,000.—Roller shovel shop of the D. S. Jones Mfg. Co. at Gananoque, Ont.; building and machinery insured for \$3,000.—Chas. W. Parker's summer cottage at Oakville, Ont., loss \$1,400.—Joseph Bourque's planing mills at Hull, Que., loss \$12,000, insurance \$8,000. Dwelling house of Henry Gill, of Nashwaaksis, N. B.—Saw mill of A. Smith at Fesserton, Ont., loss \$5,000.—Mills of the Assiniboine Lumber Co. at Shell River, Man.—Libertie's foundry at St. Johns, Que., partially destroyed, loss \$3,000.—S. P. Foster & Co.'s pottery on Main street, Hamilton, completely destroyed; loss \$4,000, insurance \$2,700.—The spice mills of the Dyson-Gibson Co., at Winnipeg; loss on stables and machinery, \$10,000. Residence of J. W. Orchard at Minesing, Ont.; loss \$1,500.

CONTRACTS AWARDED.

GALT, ONT.—The C.P.R. have let the contract for erection of new station.
 FREDERICTON, N.B. - Improvements to church hall: W. J. Scarr, contractor.
 WOODSTOCK, ONT.—Cement walks: Silica Baryte Stone Co., of Ingersoll, contractors.
 ST. JOHN, N.B.—Residence for J. McRobbie: G. E. Fairweather, architect; L. L. Cassidy, contractor.
 NORWICH, ONT.—Brick block for J. Searls: Brick work, H. Eggman; carpenter work, Angus Dykeman.
 NIAGARA FALLS, ONT.—Building for Carborundum Works: John Harrison, contractor; 30x60 feet, frame.
 TILBURY CENTRE, ONT.—New Separate school in Tilbury: J. Finnister, of Chatham, contractor; price, \$4,000.
 HALIFAX, N.S.—The contract for stone for the Merchants Bank, this city, and the Commercial Bank at Windsor, N. S., has

CHARLES HUGHES - Milton West, Ont.

All Kinds of Municipal Work

CURBING, CROSSING, CHANNELLING, FLAGGING, ETC.

Rough Heavy Limestone for Breakwater Cribbing, Etc.
 Credit Valley Grey Dimension, any size, Sills, Steps, Coursing, Bridge Blocks, Engine Beds.
 — Estimates Given for All Kinds of Cut Work —

JOSSON CEMENT .. Manufactured at.. **NIEL ON RUPELL**

Is the Highest Grade Artificial Portland Cement and the Best for High Class Work. Has been used largely for Government and Municipal Works.

TO BE HAD FROM ALL CANADIAN DEALERS

C. I. de Sola, Manager in Canada .. 180 St. James Street, MONTREAL

For Artificial Stone Pavements, Roofing Gravel, Concrete, Etc.

USE "CRUSHED QUARTZITE"

LAURENTIAN SAND & GRAVEL CO.

Telephone 2491.

MONTREAL

13 St. John Street.

Write for Prices delivered in your town.

"STAR" PORTLAND CEMENT

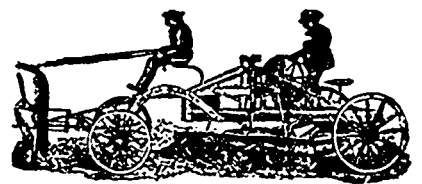
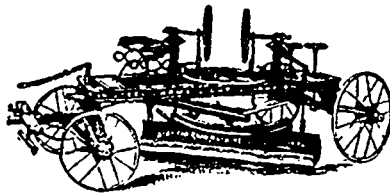
WE GUARANTEE EVERY BARREL QUALITY UNIFORM AND UNSURPASSED

The Rathbun Co., Deseronto, Ont.

Good Roads Machinery

HERE'S A PAIR OF

CHAMPIONS



Steel **CHAMPION** Reversible. American **CHAMPION** Reversible.
 SIMPLE IN CONSTRUCTION. STRONG IN EVERY PART. EASY TO OPERATE.
 THE MOST POWERFUL AND DURABLE ROAD GRADERS MANUFACTURED.

GOOD ROADS MACHINERY CO. - Hamilton, Canada

MUNICIPAL DEBENTURES wanted for foreign clients. We can place Debentures direct with foreign clients without charge to municipalities.

: : : Commission allowed to persons introducing new business : : :

EMILIUS JARVIS & CO. —(Member Toronto Stock Exchange)— 23 King St. West, TORONTO

ELECTRIC RAILWAY BONDS PURCHASED.

STOCK EXCHANGE ORDERS PROMPTLY EXECUTED

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

been awarded to the Amherst Red Stone Quarry Co., of Amherst.

BERLIN, ONT. — \$11,713.56 local improvement debentures: Ontario Life Association, of Waterloo, purchasers; price \$12,000.

BROCKVILLE, ONT. — The James Smart Mfg. Co. have been awarded the contract to heat and ventilate the public school at Elora, Ont.

NEW WESTMINSTER, B. C. — Heating and plumbing of Hospital for Insane: W. E. Vanstone, this city, successful tenderer; price about \$15,000.

WELLAND, ONT. — The tender of M. Beatty & Sons, for the construction of three dredges, has been accepted by the Dominion government.

PORTSMOUTH, ONT. — School house for St. John's church: Masonry, W. McCartney; carpentry, J. Hooper; painting and glazing, T. McMahon.

LONDON, ONT. — Addition to the McCormick biscuit factory: Herbert Matthews, architect; John Hayman & Sons, brickwork; Tambling & Jones, carpenter work.

BATH, ONT. — The new rectory of St. John's Episcopal church will be heated by a No. 18 Kelsey warm air generator, manufactured by the James Smart Mfg. Co., of Brockville.

HAMILTON, ONT. — Interior hardwood work of Sun Life Building: Hoodless & Son, contractors. — Rebuilding retaining walls, Hamilton & Barton Incline Railway: Rowan & Elliott, of St. Catharines, contractors.

OTTAWA, ONT. — The Public School Board have accepted the tenders recommended by the Building Committee for the erection of the First avenue school. These were given in the CONTRACT RECORD of last week.

QUEBEC, QUE. — Residence for Professor C. J. Magnan: Tanguay & Vallee, architects; Paul Breton, contractor. Sub-contractors: Masonry, Emile Cote;

(Continued on page 6.)

DEBENTURES BOUGHT

Municipalities saved all possible trouble.

G. A. STIMSON & CO.

Investment Dealers

24 and 26 King St. W. - TORONTO

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

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

The Silica Barutic Stone Company of Ontario, Limited.

WALTER MILLS, General Manager.

Head office: INGERSOLL, ONT.

THE PHOENIX BRIDGE & IRON WORKS

Civil Engineers and Contractors

BLACKSMITHS AND MACHINISTS

STEEL AND IRON STRUCTURAL AND ARCHITECTURAL WORK

Beams, Channels, Angles and Tees always in stock.

29 to 49 McGill Street,

P.O. Box 893.

MONTREAL

Portland Cements...

HIGH GRADE GERMAN BRANDS FOR GRANOLITHIC AND ARTIFICIAL STONE SIDEWALKS.

Sewer Pipes, Best English Cements. Best Belgian Cements.

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

SEE THAT Your Specifications Call For

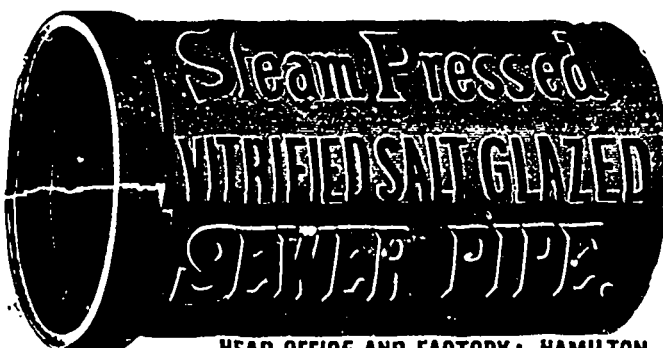
ST. LAWRENCE VALVES, HYDRANTS, STOP COCK BOXES, VALVE BOXES AND PIPE

Valves from 2" Upwards.
Pipe from 3" Upwards.

Manholes, Covers, etc.
Architectural Iron and Steel Work.

ST. LAWRENCE FOUNDRY CO. of TORONTO, Limited
TORONTO, CANADA

THE HAMILTON AND TORONTO SEWER PIPE CO. (LIMITED.)



— FOR —
**SEWERS,
CULVERTS
AND
WATER PIPES.
INVERTS**
For Brick Sewers

Write for Discounts

HEAD OFFICE AND FACTORY: HAMILTON, CANADA

THE STANDARD DRAIN PIPE CO. OF ST. JOHNS, P. Q., (LIMITED)



Manufacturers of
Salt-Glazed
Vitrified
**SEWER
PIPES**

Double Strength
Railway Culvert Pipes,
Inverts, Vents,

AND ALL KINDS OF FIRE CLAY GOODS

WATER WORKS

Excellent Pumps in First-Class Condition, Low in Price, on Easy Terms, and Built for Water Works Service.

Municipalities contemplating the installation of Water Works Plants will do well to communicate with us, as we can offer several

THE NORTHEY MFG. CO.

(LIMITED)

King Street Subway,

TORONTO, ONT.

plumbing, O. Pickard & Sons; roofing, Mr. Paradis; painting, Joseph Gauthier.

KINGSTON, ONT.—Brick house for the Everett homestead, Collins Bay; Watt & Langdon, mason work, brick-laying and galvanized iron; R. Gaw, carpenter and joiner's work; Thomas Orrell, painting and glazing. Arthur Ellis is architect.

ASHBURNHAM, ONT.—The contract for the iron work of the hydraulic lift lock has been awarded to the Dominion Bridge Co., of Montreal. This is one of the largest contracts, in a single structure in iron work, that has ever been let in Canada.

VANCOUVER, B. C.—The C. P. R. are announced to have let the contract for the building of a railway from Robson to Midway, a distance of 100 miles. It is said that Messrs. McKenzie & Mann, Foley Bros., and Peter Larson are interested in the contract.

WINNIPEG, MAN.—The contract for grading, bridging and ironwork on the Northern Pacific Railway extension from Belmont to Hartney has been awarded to J. D. McArthur, of this city.—Plaxton & Co., this city, have secured the contract for installing heating plant in the Morden Land Titles office.

SHERBROOKE, QUE.—Jos. B. Verret, architect, has awarded the contract for the construction of the St. Charles Barronée Seminary to Andre Bonin and Paquet & Godbout, of St. Hyacinthe; price, \$81,000. M. Fitzgerald, this town, has received the contract to supply the city of Quebec with 200 carloads of granite paving blocks.

PORI COLBORNE, ONT.—The following are the lowest tenders received for the construction of a system of waterworks: Cast iron pipes, hydrants, valves, etc., St. Lawrence Foundry Co., Toronto, \$7,255.50; complete system, Hill & Gowanlock, \$16,899; pumping station, W. B. Wilson, Buffalo, \$5,000; stand-pipe, Walsh Boiler Works, Springfield, Mass., \$995.

ST. THOMAS, ONT.—Artificial stone walks: Silica Barytic Stone Co., of Ingersoll, contractors, 12 cts. per foot.—Changes have been made in the plans of the proposed city hall and new tenders accepted as follows: Ponsford Bros., mason work, \$12,261; J. M. Green & Co., carpenter work, \$9,729; John Riddals, slating, \$950; Fred Doggett, stone work, \$6,554; estimate of cost of other trades, \$5,224.

DAWN MILLS, ONT.—Tenders for iron bridge were opened by Camden township council as follows: Masonry piers—J. E. Hays, Peterboro', \$18 per cu. yd.; Stanton & Co., Chatham, \$18.80 per cu. yd.; C. A. Moore and Wm. Vance, Thamesville, \$12.50 per cu. yd. Iron work—J. E. Hayes, Peterboro', \$1,800; Boston Bridge Co., \$2,012; Stratford Bridge Co., \$1,686; Hunter Bros., Kincardine, \$1,502; Hamilton Bridge Co., \$1,617. The tenders of C. A. Moore and Hamilton Bridge Company have been accepted.

LONDONDERY, N. S.—The Londonderry Iron Co., Limited (C. A. Meissner, general manager), have contracted for about 1,000 tons of the 12-inch and 24-inch cast iron water pipe, the contract for which the National Foundry & Pipe Co., of Scottdale, Pa., obtained from the city of St. John. The balance of the order will be filled from Scottdale. The above company has also received the contract for all extensions of pipe, including specials and fittings, for the town of Truro.

TORONTO, ONT.—Bond & Smith, architects, are superintending the erection of a generating house on Parliament street for the Consumers' Gas Company. John E. Webb is general contractor, the steel frame being supplied by the Dominion Bridge Company.—Tenders for alterations to a residence in Rosedale, from plans by Bond & Smith, have been accepted as follows: Plumbing, J. T. Aggett; heating, Toronto Furnace Co.; other trades, Wm. Prouse.—S. G. Curry, architect, 91 Yonge

street, has accepted the following tenders for alterations, chiefly in connection with new heating and plumbing, to Collegiate Institute buildings. Jarvis street—Masonry, Hill & Bailey; carpentry, Crone & Son; plumbing, W. Mashinter & Co.; plastering, Thos. Gander & Son; painting and glazing, Jas. Casey. Jamieson avenue—Masonry, Henry Lucas; carpentry, Thos. Phillips; plumbing, Bennett & Wright Co.; plastering, J. Petrie & Co.; painting and glazing, Jas. Casey. A committee of the Public School Board accepted the following tenders on Monday last: Enlargement of Gladstone avenue school by the addition of two rooms—masonry, J. C. Bayliss, \$900; carpentering, George Henry, \$3,984; plumbing, James Sherlock, \$120; painting, Faircloth & Co., \$593; plastering, Petrie & Co., \$398; roofing, W. D. Hutson & Son, \$58; metal ceilings, Douglas Bros., \$290; heating and ventilating, J. F. Pease Furnace Co., \$725; total \$7,547. Building two new rooms in Grace street school—masonry, Wickett Bros., \$554, carpentering, Geo. Henry, \$2,300; plumbing, Keith & Fitzsimmons, \$159; painting, Taylor & Co., \$335; plastering, Petrie & Co., \$259; roofing, W. D. Hutson & Son, \$35; metal ceilings, Douglas Bros., \$220; heating and ventilating, J. F. Pease Furnace Co., \$445; total, \$4,448. Alterations in Parkdale school—masonry, R. Clayton, \$860; carpentering, T. Crachley, \$890.—C. J. Gibson, architect, has let the following contracts: Factory on Esplanade—masonry, Davidge & Lunn; carpentry, Davidson & Co. House in Parkdale—masonry, Alfred Nurse; carpentry, T. A. Ouder Kirk. Two houses in Parkdale—masonry, Dunkley Bros.; carpentry, T. A. Ouder Kirk. House on South Drive—masonry, W. J. Chick; carpentry, Thos. Wooster. Cottage at Island—L. C. Shepard, general contractor.—J. W. Siddall, architect, has accepted the following tenders for a three-story brick factory for the Otto Higel Co., corner Mowat ave. and King street: Masonry, W. D. Scott & Co.; carpentry, Walter Nash; plumbing and tinsmithing, Jos. Hedges; other trades not let.

BIDS.

ALMONTE, ONT.—The contract for heating Martin St. school will likely be awarded at next meeting of Board of Education.

T. THOMAS, ONT.—The following tenders were received for the purchase of \$56,000 of debentures, with which to erect two schools: R. Wilson Smith, Montreal, 94.25 per cent., \$33,030; Aemilius Jarvis & Co., Toronto, 94.612 per cent., \$35,060.42; H. O'Hara, Toronto, 94.861 per cent., \$34,051.

THE PROPER CARE OF WATERSHEDS.

(Concluded)

The proper care of the watershed is as necessary as it is unusual. Such care should extend even to protecting the ground water for a considerable distance before it enters the feeding brooks of a district. The larger cities of our country construct aqueducts, conveying the water from collecting to distributing point, under circumstances usually precluding the introduction of sewage material. Such handling is not universal—open channels are quite commonly seen; and care is not always taken to prevent pollution during the water's flow.

The cholera epidemic at Messina, Sicily, in 1887, lasted from September 10

to October 25, totaling 5,000 cases and 2,200 deaths. The government instituted an examination of the water supply. It left the mountain gathering grounds of excellent quality, but was conveyed to the city in an open conduit, and, favoring the Messina washerwomen, who wash outdoors, a portion of the public water was deflected before reaching the walls and taken into neighboring washpools. A very fair proportion, after having cleansed the soiled linen of the inhabitants, found its way back again into the conduit, and continued its course to the city. Further contamination occurred in the city, the mains being of unglazed tiles, very leaky, with the sewers running frequently atop of the water mains. The government sent tank ships to the mains, filled them with pure water, the people drank thereof, and cholera cases fell immediately from seventy to five. An entirely new and efficient distributive system has since been introduced, and the city has escaped further cholera visitations.

It is the common American practice to deliver water raw to the consumer. Even when its purity is unquestioned, such is not the European custom; public sentiment practically demands that surface waters should receive sufficient purification before distribution for domestic uses. In Germany this matter is regulated by statutory law. Filters are established to filter waters equal in natural purity to the best supplies America can show. Americans at Albany, Pittsburgh or Chicago scrutinize the water offered them in foreign capitals, when what they are habituated to drink at home would not be tolerated in the great cities of Europe. The day is past when we can feel a sense of superiority over the Old World because of the magnitude and consequent initial superiority of our sources of water supply. Europe has lately expended much to better her water supplies, while we have forgotten that our populations and industries have been growing, and that the rivers our fathers drank from with safety have become charged with the refuse of upstream communities. To abandon an existing water supply system, or to purify a polluted water, always involved the outlay of much money, and the taxpayer has the right to inquire whether the cash is fairly expended. No better measure can be furnished of the wholesomeness of a water supply than the actual list of typhoid fever cases in the community supplied.

A WOOD PRESERVATIVE.

MONTREAL, June 9th, 1898.

Editor CANADIAN CONTRACT RECORD:

DEAR SIR.—We notice in your last issue a remark on the life of wood block pavements. This rapid decay can easily be prevented at a nominal cost, as you will see by a circular we send you describing "Iodolite"—its use and effects. It has been used in England for many years. The timber can be soaked before or after cutting the block, and makes the wood impervious to damp, frost or dry rot, and prevents bulging. Can be sold in most parts of Canada at about 75 cents a gallon, covering about 40 square yards, say 2 cents a square yard. You would have none of the troubles you mention with a pavement dressed with this material. Sidewalk timber should also be treated; it would be an immense saving.

Yours faithfully,

APPLEBY & CO.

BELLHOUSE, DILLON & CO., 3rd St. Francois Xavier St., Montreal

Sole Agents for the Compagnie Generale des Asphaltes de Franco (Rock Asphalt).

PORTLAND CEMENT NORTH'S CONDOR

Paving and Fire Brick a Specialty

SITTING LION and WHITE CROSS Brands

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

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

ENGINEERS

WILLIS CHIPMAN

B. A. Sc. (McGill).
Mem. Can. Soc. C. E.

Mem. Am. Soc. C. E.; M. Am. W. W. Ass'n.

Civil and Sanitary Engineer
TORONTO

WM. NEWMAN, C. E.

A. M. Can. Soc. C. E., M. Am. W. Wks. Assn.

CITY ENGINEER OF WINDSOR.

Civil and Sanitary Engineer
Waterworks, Sewerage, Drainage, Pavements, &c.
Fleming Block - WINDSOR, ONT.

VAUGHAN M. ROBERTS

Civil and Sanitary Engineer

Waterworks, Sewers, Electric Light,
Electric Railways.

Plans and Specifications prepared. - Work Superintended. 18 Ontario Street,
ST. CATHARINES

Flush Your Sewers with

THE MILLER AUTOMATIC SYPHON (PATENTED)

Received HIGHEST AWARD at the World's Columbian Exposition for

- (1) SIMPLICITY OF CONSTRUCTION,
 - (2) EFFECTIVENESS, (3) RELIABILITY
- Write for Prices and Particulars.

VICTOR HILL, General Agent. 301 Huron St., TORONTO.

SCORIA PAVING BLOCKS are the Best All-Round Paving Material yet discovered.

W. H. KNOWLTON & CO., Dealers in Contractors' Supplies, 36 King St. E., Toronto

Advertise in the CONTRACT RECORD.

E. A. WALLBERG, C.E.

BRIDGE ENGINEER

11-11 Telephone Building, MONTREAL

Bridges, Buildings, Foundations Plans, Specifications, Superintendence and Expert Reports on existing structures . . .

J. McDOUGALL, C. E.,

ENGINEER OF THE COUNTY OF YORK

GENERAL MUNICIPAL ENGINEER

Consulting Engineer for Municipalities in regard to Electric Railway and other Franchises. Specialties: Bridges, Foundations, Electric Railways, and Roads. Surveys made; Plans, Specifications and Agreements prepared, and work superintended.

COURT HOUSE, - TORONTO.

DAVIS & VAN BUSKIRK

Graduates Royal Military College of Canada

CIVIL ENGINEERS

SPECIALTY: Municipal Engineering, including Drainage, Sewerage, Sewage Disposal, Waterworks, Roadways and Bridges.

W. F. Van Buskirk, A. M. Can. Soc. C. E., Stratford Wm. Mahlon Davis, M. Can. Soc. C. E., Woodstock.

Paving Granite

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

Quarries, St. Philippe d'Argenteuil, P. Q.

Address all communications to

JOS. BRUNET - COTE DES NEIGES, MONTREAL

MONTREAL PIPE FOUNDRY CO., Limited

Successors to DRUMMOND McCALL PIPE FOUNDRY CO., LTD. Manufacturers of

CAST IRON WATER and GAS PIPES

and General Water and Gas Special Castings.

Prices on Application.

Offices, Canada Life Building, MONTREAL.

THE JENGKES MACHINE CO.

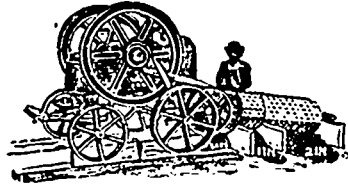
30 Lansdowne Street, SHERBROOKE, QUE.

Builders of

STONE AND ORE CRUSHERS and Macadamizing Machinery.

Complete Plants Planned and Erected.

Write us for Catalogue No. 5, relating to Crushing Machinery



THE THREE RIVERS IRONWORKS CO.

Montreal Office: IMPERIAL BUILDING.

THREE RIVERS, P. Q.

MANUFACTURERS OF

Cast Iron Water and Gas Pipes

of best quality, from 2 inches in diameter.

HYDRANTS, VALVES and GENERAL CASTINGS.

CAST IRON WATER PIPES

From 4 in. to 42 in. Diameter.

BELL AND SPIGOT • FLANGED, TURNED AND BORED AND EVERYTHING NECESSARY FOR

A Complete Water or Gas System

SUPPLIED BY

The LONDONDERRY IRON CO., Limited

LONDONDERRY, NOVA SCOTIA

THE MOST COMPLETE IRON WORKS IN CANADA (ESTABLISHED 1852.)

Send for Drawings and Estimates of our work.

ALL PIPES CAST VERTICALLY

WE MAKE

- PIG IRON
- WATER PIPES
- BAR IRON
- PUDDLED BAR
- HYDRANTS, VALVES
- PIPE SPECIALS
- HEAVY CASTINGS
- IRON RAILS
- STRUCTURAL WORK
- MACHINE WORK
- CORPORATION SERVICE and VALVE BOXES

SIEMENS BRAND

ALEX. GARTSHORE, President. J. G. ALLAN, Secretary and Treasurer. JAS. THOMSON, Vice-President and General Manager.

THE GARTSHORE-THOMSON PIPE & FOUNDRY CO. LIMITED.

Manufacturers of:

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



3 inches to 60 inches diameter.

For Water, Gas, Culvert and Sewer

HAMILTON ONT.

Prices of Building Materials.

INDEX TO ADVERTISEMENTS
In the "Canadian Architect and Builder."

LUMBER.

VAED QUOTATIONS.

Toronto. Montreal.

Table listing lumber prices for various types of wood, including Mill cull boards, Shipping cull boards, Hemlock scantling, and various sizes of planks and shingles.

BRICK—M

Table listing prices for Common Walling, Good Facing, and Sewer bricks.

SAND.

Table listing price for Per Load of 1 1/2 Cubic Yards.

STONE.

Table listing prices for various types of stone, including Common Rubble, Large flat Rubble, Foundation Blocks, Granite, and Marble.

OHIO FREESTONE.

Table listing prices for Ohio Freestone in various sizes and quantities.

CREDIT VALLEY STONE.

Table listing prices for Credit Valley Stone, including Rubble, Brown Coursing, and Grey Dimension.

LONGFORD STONE.

Table listing prices for Longford Stone, including Rubble and Ashlar.

Architects.

Table listing architects and their contact information, including Ontario Directory and Quebec Directory.

Architectural Sculptors and Carvers.

Table listing architectural sculptors and carvers, including Holbrook & Mollington.

Architectural Iron Work.

Table listing architectural iron work, including Dominion Bridge Co.

Art Woodwork.

Table listing art woodwork, including Southampton Mfg. Co.

Boiler Covering.

Table listing boiler covering, including Mica Boiler Covering Co.

Builders' Supplies.

Table listing builders' supplies, including Bremer, Alex., Currie & Co., and Montreal Directory.

Building Stone Dealers.

Table listing building stone dealers, including Brodie, James, and The Longford Quarry.

Builders' Hardware.

Table listing builders' hardware, including Malleable Iron Co. and Rice Lewis & Son.

Cresote Stains.

Table listing cresote stains, including Cabot, Samuel.

Church and School Furniture.

Table listing church and school furniture, including Can. Office & School Furniture Co.

Chimney Topping.

Table listing chimney topping, including Bremer, Alex., and Currie & Co.

Contractors' Plant and Machinery.

Table listing contractors' plant and machinery, including Rice Lewis & Son.

Dimension, per cub. ft.

Table listing dimension of various materials, including Kent Free Stone and River John.

SLATE.

Toronto. Montreal.

Table listing slate prices, including Roofing and various colors.

PAINTS. (In oil, 1/2 lb.)

Table listing various types of paints, including White lead, Red lead, and Vermilion.

CEMENT, LIME, etc.

Table listing prices for Portland Cement, German, London, and Newcastle.

Cements.

Table listing cements, including Bremer, Alex., Currie & Co., and Owen Sound Portland Cement.

Drain Pipe.

Table listing drain pipe, including Bremer, Alex., Currie & Co., and Hamilton and Toronto Sewer Pipe Co.

Elevators.

Table listing elevators, including Fensom, John, and Jack & Robertson.

Engravers.

Table listing engravers, including Can. Photo-Eng. Bureau.

Fire Brick and Clay.

Table listing fire brick and clay, including Bremer, Alex., Currie & Co., and W&F.P.

Folding Partitions.

Table listing folding partitions, including Springer, O. T.

Galvanized Iron Workers.

Table listing galvanized iron workers, including Ormsby & Co., A. B.

Grills and Railings.

Table listing grills and railings, including Dennis Wire & Iron Co.

Malleable Iron Co.

Table listing malleable iron, including Malleable Iron Co. and Toronto Fence & Ornamental Iron Works.

Granite.

Table listing granite, including Brunet, Jos., Brodie, James, and Moir, D. W.

Heating.

Table listing heating equipment, including Boston Blower Co., Clare Bros & Co., and Gurney Foundry Co.

Montreal Directory.

Table listing Montreal Directory, including Frink, I. P., and Roofing Materials.

Interior Decoration.

Table listing interior decoration, including Elliott, W. H., Currie & Co., and Ontario Lime Association.

Legal.

Table listing legal services, including Denton & Dods, Quinn & Morrison, and Luxfer Prisms.

Machinery.

Table listing machinery, including Jenckes Machine Co., Mantles, Grates, and Tiles.

Mosaic Marble & Enamel Co.

Table listing mosaic marble and enamel, including Mosaic Marble & Enamel Co. and Rice Lewis & Son.

Mortar Colors and Shingle Stains.

Table listing mortar colors and shingle stains, including Cabot, Samuel, and Muirhead, Andrew.

Ornamental Iron Work.

Table listing ornamental iron work, including Dennis Wire & Iron Co. and Malleable Iron Co.

Interior Decoration.

Table listing interior decoration, including Elliott, W. H., Currie & Co., and Ontario Lime Association.

Legal.

Table listing legal services, including Denton & Dods, Quinn & Morrison, and Luxfer Prisms.

Machinery.

Table listing machinery, including Jenckes Machine Co., Mantles, Grates, and Tiles.

Mosaic Marble & Enamel Co.

Table listing mosaic marble and enamel, including Mosaic Marble & Enamel Co. and Rice Lewis & Son.

Mortar Colors and Shingle Stains.

Table listing mortar colors and shingle stains, including Cabot, Samuel, and Muirhead, Andrew.

Ornamental Iron Work.

Table listing ornamental iron work, including Dennis Wire & Iron Co. and Malleable Iron Co.

Painters.

Table listing painters, including Montreal Directory and Toronto Directory.

Plasterers.

Table listing plasterers, including Gander, J. M., Hynes, W. J., and Paints & Varnishes.

Parquetry Floors.

Table listing parquetry floors, including Elliott, W. H., Hobbs Glass Works, and Lyon, N. T.

Plate Glass.

Table listing plate glass, including Hobbs Glass Works, Lyon, N. T., and The Consolidated Plate Glass Co.

Plumbers.

Table listing plumbers, including Montreal Directory and Toronto Directory.

Reflectors.

Table listing reflectors, including Frink, I. P., and Roofing Materials.

Roofing Materials.

Table listing roofing materials, including Ormsby & Co., A. B., and Metallic Roofing Co.

Roofers.

Table listing roofers, including Campbell & Gilday, Douglas Bros., and Duthie & Sons.

Nautical Appt. ances.

Table listing nautical appliances, including Garth & Co., Toronto Steel Clad Bath, and Metal Co.

Stained and Decorative Glass.

Table listing stained and decorative glass, including Horwood & Sons, H., Hobbs Glass Works, and Lyon, N. T.

Shingles and Siding.

Table listing shingles and siding, including Metal Shingle & Siding Co., Ormsby & Co., A. B., and Toronto Foundry Co.

Storm Doors.

Table listing storm doors, including Hilcock & Co., John.

Typewriters, Etc.

Table listing typewriters and other office equipment, including Archbold, Chas. E., and Williams Mfg. Co.

Ventilators.

Table listing ventilators, including Boston Blower Co., Wallberg, E. A., and Wall Plaster.

Wall Plaster.

Table listing wall plaster, including Albert Mfg. Co. and Alabastine Co.

Toronto. Montreal.

Table listing prices for Hydraulic Cements, including Thorold, Queenston, Napanee, Hull, Ontario, and Keene's Coarse Whites.

Table listing prices for Fire Bricks, including Newcastle, per M, and Scotch.

Table listing prices for Lime, including Per Barrel, Grey, and White.

Table listing prices for Plaster, including Calcined, N. B., and N. S.

Table listing prices for Hair, including Plasterers', per bag.

HARDWARE.

Table listing hardware prices, including Cut nails, 50d & 60d, per keg, and Steel.

Table listing hardware prices, including Cut nails, 70c and 80c, per keg, and Steel.

Table listing hardware prices, including Iron Pipe, 1/2 inch, per foot.

Table listing hardware prices, including Lead pipe, per lb., and Waste pipe, per lb.

Table listing hardware prices, including Galvanized Iron, Adam's-Mar's Best and Queen's Head.

Table listing hardware prices, including Structural Iron, Steel Beams, per 100 lbs., and Sheared steel bridge plate.