

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
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.

MAY 4, 1898

No. 14.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY WEDNESDAY

As in 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.

STONE FOR SALE

A quantity of large flat Rubble Immediate shipment. Apply to
B. BEAR, Glenwilliams, Ont.



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, MAY 11TH, 1898, for the construction of the following pavements:

Asphalt:

On Howard Street, from Parliament Street to Sherbourne Street.
On Wilcox Street, from St. George Street to Robert Street.

Brick:

On Winchester Street, from Parliament Street to Ontario Street.
On Glen Road, from Hill Street to Elm Avenue, track allowance.
On Elm Avenue, Glen Road to Sherbourne Street, track allowance.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after Monday, May 2nd, 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 signatures 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, April 28th, 1898.

TENDERS WANTED

Tenders will be received by the undersigned up to noon on

MONDAY, MAY 9TH,

for the erection of an ADDITION TO A STORE IN KING ST WEST. The lowest or any tender not necessarily accepted.

S. G. CURRY,
90 Yonge Street, Toronto.

TENDERS WANTED

Whole or separate tenders will be received by the undersigned up to and including Noon, MAY 10TH, for the ERECTION OF A HOUSE OF REFUGE for the County of Bruce at the Town of Walkerton, according to plans prepared for the same by H. J. Powell, Architect, Stratford.

Plans, etc., may be seen at the office of the Architect up to April 16th, and from then up to the 10th of May at the office of the undersigned.

The lowest or any tender not necessarily accepted.

W. S. GOULD,
County Clerk,
Co. Bruce.

Walkerton, April 19th, 1898.

TO ARCHITECTS

The undersigned will receive, up to Noon, WEDNESDAY, JUNE 1ST NEXT, Competitive Plans and Specifications for the

Erection of a New Municipal Building

in the City of Stratford; also Plans and Specifications for reconstruction on the walls of old building lately destroyed by fire.

Architects wishing to submit Plans and Specifications for the above work can have full information sent them by addressing the undersigned.

GEO. F. INGRAM,
Chairman Market and Police Committee.
Box 168, Stratford, Ont.

CONTRACTS OPEN.

SKEAD'S MILLS, ONT.—Andrew Cowan purposes erecting a dwelling.

MILL HAVEN, ONT.—The foundations for a new school are being put in.

MANITOU, MAN.—Alex. Scott is erecting a large implement warehouse.

RENFREW, ONT.—Mackay Bros. will probably build a three-story block.

CARRERRY, MAN.—A new Methodist church will likely be built this year.

STOCKTON, MAN.—Mr. Cochran contemplates building an elevator here.

BARRIE, ONT.—J. S. Brunton will build another residence on Burton avenue.

POINT ALEXANDER, ONT.—A. Allan will erect a residence this summer.

ASHTON, ONT.—The Methodists have commenced the erection of a brick church.

DANVILLE, QUE.—A large residence will be erected here by Mr. Loren Gordon.

GRAND AR. CL, N.B. It is the intention to build a stone church at an early date.

SEAFORTH, ONT.—The town will purchase an illuminated dial clock, cost \$800.

MILLTOWN, N. B.—The town council has ordered the construction of asphalt walks.

CHURCHILL, ONT.—William Rogerson has commenced the erection of a residence.

CHATHAM, ONT. James Stirling intends erecting a brick residence; cost \$1,300.

ARNPRIOR, ONT.—It is announced that the C.P.R. will build a station here this summer.

GODERICH, ONT.—Officials of the G.T. R. have selected a site for the proposed elevator.

BLENHEIM, ONT.—The foundation is being laid for a residence for Thomas Sandicock.

BATHURST, N.B.—It has been decided to organize a company to build a modern grist mill.

NICOLA LAKE, B.C.—The erection of a new Church of England will shortly be commenced.

BYNG INLET, ONT.—The Holland & Emery Lumber Co. intend building a shingle mill.

ROUND EAU, ONT.—Peter McDougall will at once commence the erection of a new building.

FORT WILLIAM, ONT.—The C. P. R. are about to commence the construction of docks here.

BEVERLEY, ONT.—Robert Ferguson invites tenders up to May 5th for repairs to school house.

NELSON, B.C.—The Hudson Bay Co. have purchased property on which to erect a business block.

GANANOQUE, ONT.—The question of constructing pavements is under consideration by the council.

HESPELER, ONT.—The R. Forbes Co. are building an addition to their factory, two stories, 70 x 68 feet.

HUNTSVILLE, ONT.—The Canning Co. purpose making extensive additions to their building and plant.

CHILLIWACK, B.C.—Tenders for building a church will be received by Rev. J. H. White up to May 7th.

WINDSOR, N. S.—The Dominion government is now calling for tenders for a drill hall to be built here.

LEAMINGTON, ONT.—It is thought that the town will shortly undertake improvements to waterworks.

ST. STEPHEN, N. B. Robert Stevenson is about to commence the erection of a residence for Dr. Deinstadt.

BURK'S FALLS, ONT.—The Magnetawan Tanning & Electric Co. purpose extending their building and plant.

ALTON, ONT.—A. Semple, M.P., has

purchased property here on which to build an oatmeal mill and grain elevator.

GALT, ONT.—The Board of Works have asked for an appropriation of \$4,000 for street improvements.

HUNTINGDON, QUE.—The by-law providing for the construction of a waterworks system was carried on Monday last.

TILBURY, ONT.—The work of repairing and enlarging the Burgess drain, in Tilbury East, is estimated to cost \$8,000.

SARNIA, ONT.—Tenders are wanted for the remodelling of store of Thomas Symington & Co.; J. C. Robson, architect.

PORT ARTHUR, ONT.—Mr. Emmerson, of Wells & Emmerson, will rebuild the Cordingley block on Cumberland street.

SCHOMBERG, ONT.—It is expected that the proposed railway from this town to Richmond Hill will shortly be commenced.

WELLAND, ONT.—The town will construct a sewer on Dennistown street, cost \$1,516, money to be raised by debentures.

WALKERVILLE, ONT.—Parke, Davis & Co. have taken tenders for an addition to their laboratory, 60 x 80 feet, three stories.

THORNHILL, ONT.—Mr. Francis, postmaster, contemplates the erection of a block of stores and dwellings on west side Yonge street.

BANTFORD, ONT.—It is the intention of the Verity Plow Co. to introduce a complete system of fire protection, including fire pump.

TRURO, N. S.—Dr. Yorston purposes erecting a row of six cottages this summer. —F. Dexter will shortly erect a residence on Dominion street.

SAULT AU RECOLLET, QUE.—A new Catholic church will be built in the Sault au Recollets parish, a site for the same having been donated.

HAVELOCK, ONT.—It is the intention of the Baptist congregation to erect a church on Union street.—John Farmer will probably build a residence.

GUELPH, ONT.—About 35 tenders were received for alterations to fire hall and for the erection of a new hall. No definite decision has as yet been reached.

LEVIS, QUE.—The government has given to the town certain property on which it is proposed to construct a large reservoir for waterworks purposes.

VANCOUVER, B.C. The new block to be built by C. H. Davies, of Honolulu, will be three stories and basement, 60 x 60 feet, brick and stone, cost \$30,000.

OSHAWA, ONT.—Committees have been appointed to collect subscriptions for building a Presbyterian church. It is expected that work will commence in the spring of 1899.

BARRY'S BAY, ONT.—Grading has been commenced on a branch line of railway from this village to the lake. It is expected that a grist and saw mill will be erected.

WALKERTON, ONT.—On May 10th the county council will open tenders for the House of Refuge.—The question of laying granite sidewalks is being discussed.

RAVENSCLIFFE, ONT.—William Armishaw invites tenders up to May 10th for the erection of a school building in S. S. No. 6, Chaffey. Plans at John Tipper's, Huntsville.

HALIFAX, N.S.—While in England recently S. M. Brockfield is reported to have secured capital to proceed with the erection of cold storage plant and warehouses in this city.

DAUPHIN, MAN. The Provincial Public Works Department has selected a site for an immigration building, two stories, 30 x 60 feet.—Local improvements are contemplated.

SASKATCHEWAN, N.W.T.—The C.P.R.

have commenced the construction of a temporary bridge across the Saskatchewan river, to replace the one carried away by a recent flood.

MONCTON, N.B.—The Central Methodist church congregation has instructed G. E. Fairweather, architect, of St. John, to prepare plans for remodelling the old church building.

PEMBROKE, ONT.—The question of constructing a sewerage system is under consideration.—P. Desjardins intends building on the site of the old hotel on Allumette Island.

NIAGARA FALLS, ONT.—The Carbarundum Co., of Niagara Falls, N.Y., have purchased a site on the Later property, and will commence the erection of a building before June 1st.

WINDSOR MILLS, QUE.—The Brompton Bridge Co. have just taken tenders for iron spans for a new bridge. The award has not yet been made.—J. A. Begin, notary, is building a brick residence.

OWEN SOUND, ONT.—It is probable that the town council will adopt some system of road improvements, including the purchase of a steam road roller. The money will likely be raised by debentures.

SUDBURY, ONT.—The Grey Nuns have decided to build a hospital, of Sudbury brick, two storeys, stone foundation, 78 x 42 feet, with wing in rear, 25 feet square, estimated cost \$10,000. The excavation will be commenced at once.

BROCKVILLE, ONT.—A deputation from this city last week urged upon the Minister of Militia the erection of a new drill hall here.—It is said that Myles Bourke contemplates the construction of a half mile bicycle track at St. Lawrence park.

DUNDAS, ONT.—George Lees, sr., has purchased property on which he will build a brick residence. A syndicate of St. Catharines gentlemen are negotiating for the purchase of the axe factory here, and if successful the buildings will be enlarged.

LINDSAY, ONT.—Len. Newton has acquired the property known as the Dominion House, his intention being to remodel the building for dwelling houses.—Ops township council have appropriated the sum of \$2,200 for improving the roads of the township.

BELLEVILLE, ONT.—The Executive Committee of the City Council, at a meeting held last week, deferred the purchase of a road roller until a later date.—An expert will be engaged to value the waterworks system, which is proposed to be taken over by the city.

PORTAGE LA PRAIRIE, MAN. Mr. Silverthorne, architect, has completed plans for a residence to be built at McGregor.—A committee of the Church of England congregation has reported in favor of a new church, and plans for a stone building will be prepared at once.

ALMONTE, ONT.—Andrew Bell, C. E., has been instructed to make a survey for a tramway from Clyde Forks or Flower Station to the mines of the Hamilton Smelting Works, in the township of Darling.—John Fay, whose premises were burned recently, has not yet decided to build.

ST. THOMAS, ONT. The Board of Health has recommended the council to build a sewer on Curtis street.—James A. Bell, C. E., will prepare plans for a 60 foot bridge on piles, to be built by the Elgin and Simcoe county councils.—Albert Couse will build a brick residence on Curtis street.

HARRISTON, ONT. Fred. Dale is having plans prepared for a fine dwelling house.—Dr. Henry has commenced excavating for an addition to his residence.—The farmers in this vicinity will probably form a company to establish a pork-packing

business.—G. Fulton and C. Gray each intend building new residences.

MOOSE JAW, N.W.T.—Mr. J. H. Kern, of the Brunswick Hotel, is about to erect a new hotel near the railway station, to cost about \$20,000. Plans and specifications have been prepared by S. A. Clark, architect, Regina. The same architect is also preparing plans for a 2-story brick store, 62 x 27 feet, for Mr. MacLeod, of Main street.

PETERBORO', ONT.—Mr. Belcher has prepared plans for a large addition to the school house of St. John's church, consisting of four rooms and basement and an extension to the present hall, cost \$3,000. A committee has been appointed to proceed with the work.—A deputation of the city council is securing information regarding permanent pavements. At a recent meeting, the town engineer submitted specifications of the pavement that would be required for George street, which showed that the cost would be \$1,400.

HAMILTON, ONT.—The directors of the Hamilton & Barton Incline Railway purpose rebuilding the retaining walls at the head of James street.—The bill of the Hamilton and Lake Erie Power Company was passed in the Senate at Ottawa last week.—W. A. Edwards, architect, is taking tenders for the erection of an hotel stable.—L. Munroe, architect, has prepared plans for a brick Presbyterian church to be built at Caledonia.—A building permit has been granted to A. Milne for a brick shop and dwelling on Hughson street, between Hunter and Augusta streets, cost \$1,900.

HINTONBURG, ONT.—The ratepayers yesterday voted on a by-law to construct a system of waterworks, at a cost of \$30,000. The result of the vote has not yet been learned.—J. B. Kenny, of Ottawa, has purchased property here on which to build a residence.—J. Bullman, chairman Board of School Trustees, will receive tenders up to May 6th for erection of brick addition to public school, from plans prepared by E. L. Horwood, architect, Ottawa.—The Valleyfield Canning Co. have made a proposition to the village to establish a factory and erect a \$4,000 building.

QUEBEC, QUE.—A. Letellier is erecting a building 60 feet in length on St. Antoine street.—Justice Chauveau, who purchased the old city hall property, will construct buildings thereon before the 1st of May, 1899, to cost about \$35,000.—It is rumored that a syndicate is being formed to build some twenty houses on Maple ave.—Tanguay & Vallee, architects, are preparing plans for a factory building for the D. & A. Corset Company.—H. Stavely, architect, is preparing plans for a parsonage for Chalmers' church.—David Ouellet, architect, is preparing plans for the interior of an R. C. church at Megantic, Que.—It is proposed to pave St. Louis and St. David streets with either asphalt or brick.

ST. JOHN, N. B.—Plans are being prepared for a new Presbyterian church to be built on Douglas avenue, North End, 85 x 40 feet, to seat 350 people; cost \$2,000.—R. C. John Dunn, architect, is preparing plans for a brick residence for Leonard Knight, this city, cost about \$3,500.—The Safety Board of the Common Council has recommended the purchase of a dynamo and additional lamps for the North End electric light station, at a cost of \$1,000.—Leonard Nase is erecting a dwelling house on Main Street, North End, 82 x 24 feet, two stories, cost \$2,200.—A. N. Rowan has had plans prepared for a brick building, 82 x 51 feet, comprising two large stores on ground floor, with two tenement houses above, and basement under all, to be built on Main street.—Director Smith has reported to the Board of Public Works that the sum of \$16,500 will be required for repairing

block pavements, also that \$3,000 would be required to replank North Rodney wharf. A committee of the City Council has been appointed to prepare a scheme for the construction and maintenance of street pavements.—Prospects are good for the construction of three new buildings adjoining each other on Douglas avenue this summer. The plans have been prepared for a small double tenement for Wm. Sanburn, cost \$1,700; Mr. Hogan has had plans prepared for a similar building, to cost \$2,500, from plans by Mr. McKean, architect, and a Mr. Flewelling is preparing for the construction of a residence.—Ernest Wilson, grocer, will shortly ask for tenders for a six-tenement building to be built at corner Queen and Carmarthen streets: dimensions, 95x55 feet, two stories, cost about \$5,000.—Wm. Shaw, M. P. P., will shortly begin the construction of a new bakery.

LONDON, ONT.—No. 2 Committee will recommend the council to issue debentures for \$13,000 for the purpose of asphaltting the market square.—The Board of Works has cancelled its recommendation to build new cells at the police station.—The Mayor is strongly in favor of calling for tenders for a breakwater for London West, to cost \$50,000, the money to be raised under the Local Improvement Act.—The estimates of the Waterworks Committee were recently presented to council. It is proposed to expend \$18,000 on the West London main, \$3,000 on main extensions in other parts of the city, and \$5,000 for meters.—Henry Talbot has taken out a building permit for a two storey brick residence on Askin street.—The McCormick Manufacturing Co. contemplate making extensive additions to their factory.—James Wallace has been granted a building permit for a 1½ story brick residence, corner Victoria and William streets, cost \$1,500.

COLLINGWOOD, ONT.—Quite a number of new buildings are being built here this spring, and many more are projected. The Bryan Manufacturing Company are building a large addition to their factory; W. C. Madden is about to build a 2-story brick store next to the new post office; Chas. Davidson will build a 2-story store adjoining the Arlington Hotel; Matt & Stephens, contractors, are building a dwelling for J. Boothby on Birch street, cost about \$1,200; Wilson Bros. are building a 2-story house for Wm. Whips, to cost \$2,100; Fred. T. Hodgson, architect, is preparing plans for a 2-story brick building to be erected on the corner of Simcoe and St. Marie streets. This building is intended for an express and telegraph office and bonding warehouse, with a store in one end. Alex. Henser, Esq., is owner. Cost about \$3,000.—Plans will shortly be prepared for several important buildings which are expected to be built next fall.—At the last Council meeting several petitions for cement sidewalks were received.

MONTREAL, QUE.—The Finance Committee will ask the City Council to sanction an expenditure of \$25,000 to establish a poor house.—The municipality of Westmount has sanctioned a loan of \$350,000 for general improvements, as outlined in a recent issue.—The Finance Committee has referred back to the Road Committee the report on the paving of Craig street, with instructions to prepare an estimate of the probable cost of paving in granite, scoria blocks and asphalt.—The following building permits have been granted. Brick building, Craig and Busby streets, cost \$6,500; R. Abraham, building, City Councillors street, cost \$3,000; J. Leclerc, brick building, Milton street, cost \$3,800; Montreal Street Railway Company, building on Harbour street, cost \$5,000; J. Bourbonnais, stone building, Charlevoix street, cost \$3,000; P. Desaulns, stone building, City Hall ave., cost \$3,000; J. H. Birks, limestone resi-

dence, Pine avenue, cost \$12,000, T. Masson, stone and brick building, St James street, cost \$3,200, G. G. Foster, residence, Edgell avenue, limestone, cost \$10,000, Sisters of Charity, building on Berrie street, cost \$20,000.

WINNIPEG, MAN.—Stewart Mulvey, secretary-treasurer School Board, will receive tenders up to June 13th, for the purchase of \$75,000 of debentures.—C. H. Enderton has taken tenders for a stone and brick building, south-east corner Portage avenue and Fort street.—Tenders for improvements to Central school No. 1 will be received by the School Board, addressed to Stewart Mulvey, up to May 7th; H. McGowan, architect.—The School Board has purchased property from the Hurlston Bay Co., on which to build the proposed new school.—The city council has given notice of its intention, to construct macadam roadways, with stone curbs, on the following streets: Garry street, Assiniboine avenue to Notre Dame avenue, cost \$10,826; Ellice avenue, Notre Dame avenue to Vaughan street, cost \$8,326; Vaughan street, Ellice avenue to the end of said street, cost \$7,000; Bannatyne avenue, Princess to Nena street, cost \$12,167; Hargrave street, Portage avenue to Cumberland avenue, cost \$4,243; Charlotte street, Cumberland avenue to William avenue, cost \$4,749; Ellen street, Notre Dame avenue to Logan avenue, cost \$9,800; Alexander avenue, Princess street to Ellen street, \$4,500.—E. F. Hutchings, wholesale harness and saddlery, will build a large five storey manufactory, 137x50 feet, with stone basement and brick superstructure, having electric elevators, modern plumbing, electric light, etc.; estimated cost, \$40,000.—It is rumored that the C.P.R. have purchased the Great Northwest Central Railway charter, and will build the road.—The legislature has declared that the city has no right to proceed with the construction of a waterworks system at any time prior to the expiration of the Waterworks Company's franchise.—The Lands Department of the C.P.R. will send out surveyors to complete the tramways connecting the lake from Wabigoon to Mine Centre.—The time for receiving tenders for the Victorian addition to the general hospital has been extended to noon of May 5th.—Tenders are invited by the city for the construction of macadam pavements.—J. C. Brown, city clerk, will receive tenders up to Wednesday, May 11th, for the supply of from 500,000 to 1,500,000 feet of lumber. Specifications on application to H. N. Ruttan, city engineer.

OTTAWA, ONT.—Since last issue the following permits for buildings have been granted. C. B. Taggart, brick dwelling, Slater street, \$2,500; Thos. Butler, brick veneered dwelling, James street, \$1,000; George Bilyly, frame addition to Bell street Methodist church, \$2,500; A. E. Schryer, brick veneered dwelling, Waverley street, \$2,400; James Wilson, brick veneered dwelling, James street, \$1,000; S. H. Mills, addition to Avondale Hotel, O'Connor street, \$1,000; Mrs. Annie E. Shinn, three brick cottages, Slater street, \$3,500; F. A. McCord, brick dwelling, Wilbrod street, \$7,000; J. T. Fotheringham, brick veneered dwelling, Lisgar street, \$1,800; J. F. Scribner, brick veneered dwelling, James street, \$2,000; G. F. Henderson, brick dwelling, corner Elgin and Somerset streets, \$7,000; Asquith & Neville, brick veneered dwelling houses, corner Gilmour & McDonald streets, \$6,000.—A deputation will shortly interview the government to urge the completion of the Trent Valley canal.—E. L. Horwood, architect, has prepared plans for a new school to be erected on the Glebe property, two storeys, eight rooms, with flat roof.—A meeting of the shareholders of the Pontiac and Pacific Junction Railway Co will be held on June 1st, for the purpose of authorizing the issue of \$500,000 of bonds for building the Interprovincial bridge across the Ottawa river between Nepean Point and Hull.—A site for the new St. George's Ward fire station has been selected at the south-east corner of Theodore and Waller streets. The building will cost \$6,000.—John M. Garland & Co., dry-goods merchants, have completed the purchase of property, corner Queen and O'Connor streets, on which a modern five storey warehouse will be built, 66x66 feet, fire-proof, steel pillars, with passenger and freight elevators.—The city engineer has recommended the following work. Completing Somerset street drain, \$700; Elgin street main, \$865; 250 new services, \$2,500, 60 new hydrants, \$2,700.—E. F. E. Roy, secretary Department of Public Works, wants tenders by May 18th for the erection of a drill hall at Windsor, N. S. Plans at above department and at office of Hon. M. H. Goudge, Windsor.—The vestry of St. Alban's church has decided to build a new rectory. Rev. Archdeacon Bogart is rector.—The British America Light & Power Co. has been granted letters patent of incorporation. It is proposed to construct telegraph and telephone lines and manufacture electric light and power in the

(Continued on page 4).

THE HAMILTON BRIDGE WORKS CO., LIMITED.

HAMILTON - CANADA

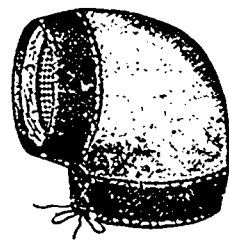
Railway and Highway Bridges

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

Yukon district. Peter Lyall and James McShane, of Montreal, are interested. — L'Union Canadienne, the French society of lower town, has purchased property on Dalhousie street on which to build a hall.

TORONTO, ONT.—Ground has been broken for residences on the west side of Scarth road, Rosedale, the east side of Walmer road, and the west side of Madison avenue, north of Louther avenue.—Strickland, Symons & Rae, architects, invite tenders up to 5 p.m. of May 6th for building a pair of brick houses on Spadina crescent.—Tenders are invited by the architect, E. J. Lennox, up to noon on Thursday, 5th inst. for the tuckpointing work required at the new municipal buildings.—The magnetic observatory will be removed from the Queen's Park to Agincourt, where a building, to cost \$4,000, will be erected. It will consist of a circular stone underground chamber, 30 feet in diameter, with brick structure above.—The Lawlor Estate have secured possession of Nos 8 and 10 King street west, adjoining the new building now nearing completion at the corner of King and Yonge streets. It is the intention to erect a new building on the recently-acquired property.—Geo. W. Gouinlock, architect, has prepared plans for a new building to be erected on Bay street adjoining the Temple building, to be 30x70 feet, five stories, cost \$20,000, and to be fitted up as a first-class restaurant.—Chas. F. Wagner, architect, has just taken tenders for alterations and additions to four houses on George street.—The Board of Harbor Commissioners have made an estimate of the improvements necessary to the harbor to make it suitable for the accommodation of all boats that could use the canals if deepened to 14 feet. The improvements called for are the lengthening of the west pier at the eastern channel, the diverting of the Don river, and the construction of trunk sewers.—The Robert Simpson Company have about completed negotiations for the purchase of the property on Yonge and Richmond streets, extending from their present premises to the old Christian Institute building. It is probable that new buildings will be erected on this property at an early date.—It is the intention of the Independent Order of Foresters to erect a cottage at the Gravenhurst Sanatorium, for which purpose a site has been selected. Mr. Gouinlock, architect, will prepare plans at once, and will endeavor to have the cottage completed early in July.—The city engineer estimates that to acquire a plant for the purpose of preparing asphalt for pavement purposes would cost from \$15,000 to \$20,000.—Mrs. Margaret McLearn, has purchased a lot on Kensington avenue, North Toronto, and purposes erecting a dwelling thereon.—The lowest tender for building a drawbridge over McNamie's cut was \$1,085. The matter has been referred to the Board of Works.—A petition has been received for a granolithic sidewalk on south side Queen street, between Victoria and Yonge.—The following building permits have been granted: R. E. Menzie, two story and attic brick dwelling, 130 Jamieson ave., cost \$3,000; W. R. Donald, two story brick addition, 62 and 64 Bloor street west, cost \$4,000.—There is a movement on foot in favor of the purchase of an electric light plant for lighting the Island.—J. J. Walsh, real estate broker, has sold to Messrs. Barry & Cochrane 50 feet of property on Dickie ave., on which it is proposed to erect a brick residence. The church of St. Thomas on Huron street has been found

too small for the purposes of the congregation, and a meeting will be held shortly to discuss enlargement.—City surveyor Sankey has completed his plan for the improvement of the Island, which will be laid before the Property Committee at its next meeting.—A committee of the Royal Canadian Bicycle Club has been appointed to secure plans for a new club house, the same to be presented at the monthly meeting in June.—The authorities of St. Peter's church, corner Bloor and Bathurst streets, have purchased a site at corner of Bloor and Markham streets, on which a church to cost \$15,000 will be built. Rev. Father Minnehan is parish priest.—The Massey-Harris Co. are making preparations to commence the erection of the extensive addition to their works, referred to in a former issue.—The city council has instructed the city engineer to report as to the cost of chemically treating the sewage of the city, west of Bathurst street.—The building permits issued last month represented a

valuation of \$208,340, against \$117,175 during April of 1897.

CONTRACTS AWARDED.

INDIAN HEAD, N.W.T.—Methodist church: Fraser & Cameron, contractors.

GALT, ONT.—C.P.R. bridge: Hamilton Bridge Co., contractors, \$1,416.

ORANGEVILLE, ONT.—Granolithic sidewalks: Guelph Pavement Co., contractors.

WILDWOOD, ONT.—Residence for John Rulston: William Cochran, of St. Marys, contractor.

THAMESFORD, ONT.—Residence for J. Armstrong at Banner: O. M. Cowper, this town, contractor.

LONDON, ONT.—Pavilion at Springbank: John Purdon, general contractor; A. H. Cook, painting, \$230.

BELL'S CORNERS, ONT.—Presbyterian church: Mr. Crane, Ottawa, masonry, \$590; Brown Bros., Richmond, woodwork, \$300.

PERTH, ONT.—St. Andrew's Presbyterian church: George Bradford, masonry, \$3,000;

CHARLES HUGHES - Milton West, Ont.

All Kinds of Municipal Work

CURBING, CROSSING, CHANNELLING, FLAGGING, ETC.

Rough Heavy Lime-stone 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

18 St. Alexis Street.

Write for Prices delivered in your town.

"STAR" PORTLAND CEMENT

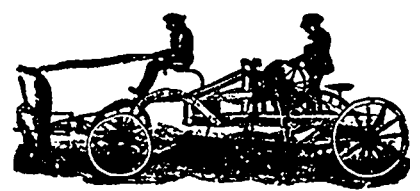
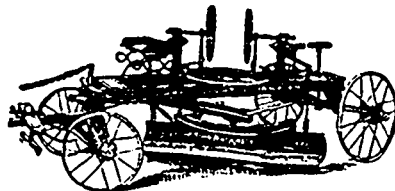
WE GUARANTEE EVERY BARREL
QUALITY UNIFORM AND UNSURPASSED

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 : : : :

ÆMILIUS 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

William McArthur, tinsmithing and furnace work.

KINGSTON, ONT.—The tender of the Gartshore-Thomson Pipe Foundry Co., of Hamilton, for cast iron water pipes, has been accepted.

WINDSOR, ONT.—Flook & Babcock are about to construct baseball grounds, bicycle track, sewerage and waterworks systems at Bois Blanc Island.

MCADAM JUNCTION, N. B.—C.P.R. station: Tompkins & Co., contractors. The building will be 180 x 36 feet, of granite, with freestone trimmings.

HAVELOCK, ONT.—Residence for Job Coon: T. H. Archer, contractor.—Residences for James Waymark and Alex. Watson: Joseph Knox, contractor.

HALIFAX, N. S.—City supplies: Castings, James Hillis & Son; gravel and sand, James Freda; brick, Jacob Miller; drain pipe, Brookfield Bros.; cement, S. M. Brookfield; hardware, Black Bros. & Co.

REGINA, N. W. T.—Mr. Gustav Michaelis is about to have a stone and brick store erected on South Railway street, 70 x 54 ft., from the plans of Mr. T. A. Clark, architect, of this town. The contract has been awarded to Messrs. Willoughby & Mollard. The contract for the erection of an Anglican church at the Cullum Village near here has also been awarded to Messrs. Willoughby & Mollard; plans prepared by the same architect.

OTTAWA, ONT.—The tender of the Canadian Granite Co. has been accepted for granolithic sidewalk and crossings, at the following prices: Sidewalk pavement on stone foundation, without curb, 16 cts.; any width, including artificial stone curb, 17 cts.; crossings, scoria block or pavement on concrete foundation, including stone curb, per plan, 42 cts.; crossings, Nepean or similar sandstone, block pavement on concrete foundation, including stone curbing, per plan, 42 cts.

TORONTO, ONT.—The Metallic Roofing Co. have been awarded the contract for one of their metal ceilings for the chapel of the Central Prison.—The Public School Board have accepted the tender of the Canadian Office & School Furniture Co., Preston, Ont., for school furniture, and that of the Globe Furniture Co., Walkerville, Ont., for kindergarten furniture.—Gordon & Helliwell, architects, have let the contract for the erection of a cottage on Lake Shore to T. H. Lennox.

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 Barytic 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
Vitrifier
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.

MUNICIPAL DEPARTMENT

THE LIERNUR SEWAGE SYSTEM.

The Liernur sewage system, though in use for more than twenty-five years in some of the European cities, notably Amsterdam and Leyden, in Holland, acquires fresh interest from the account of its recent introduction, according to the Engineering Magazine, into Trouville, one of the noted Continental watering places. The description of the Liernur system, given by our contemporary, shows that it differs from all gravity systems in that the sewage is removed entirely by atmospheric pressure. The discharges from each house are delivered into an air-tight metal reservoir, from which they are in turn drawn by suction into larger collecting tanks, these latter delivering the matter to an out-of-town works, where all the refuse is converted into an inoffensive fertilizer. It will thus be seen that the house service is entirely distinct from the storm water drainage. By thus removing all the sewage in air-tight metal pipes, the highest degree of sanitary excellence is obtained.

Since its introduction in the early seventies, the pneumatic method of Captain Liernur was extended in Amsterdam, until at the end of 1895 the area served contained nearly 85,000 inhabitants, while the military quarter of St. Petersburg, the entire city of Riga, and a number of other places, have been provided with the system.

Trouville, the latest to apply its principles, is especially well adapted for the successful installation of the method, and the location also makes the application of any satisfactory gravity system impracticable. For the Liernur plant there are provided eleven main collecting tanks, each of these being at the lowest point of the district which it drains. With these tanks, which are air-tight shells, all the delivery pipes from the houses connect, while one main collecting pipe runs from the tanks to the *poudrette* factory. A powerful suction air-pump at the factory makes it possible to produce a vacuum in the system, and once a day the entire system is exhausted. The valves on the connecting pipes between the houses and the tanks being closed, a vacuum is produced in the latter, and connection with the pump then being shut off, the rapid opening of the house connections causes an immediate and entire clearing of all the house tanks into the vacuum tanks. The house connections are again closed, and the vacuum tank exhausted into the main leading to the factory, air being admitted by a special valve to permit the flow to take place. The entire operation is the work of one man, who makes the tour of the town in about four hours, his only labor being the opening and closing of the valves, the pump at the works

being kept in constant operation during the time.

The manufacture of the *poudrette* being conducted at a proper distance from the city, there is nothing to give offense; all the tanks are underground, the valves being operated from connections at the surface in the streets.

Owing to the manner in which the material is collected, its conversion into fertilizer is commercially possible so as to yield a considerable revenue, and at Trouville, where the population during the season reaches 20,000, it is estimated that the receipts from the sale of *poudrette* will furnish a material income over and above all operating expenses.

As the practical value of the Liernur system has been a subject of discussion among sanitary engineers for a number of years, this new installation will be watched with interest, especially in view of the importance of the place where it has been introduced.

CEMENT VS. VITRIFIED PIPES

Discussing the respective merits of cement and vitrified pipes, the St. Johns, Que., News says. We understand that it is proposed to use cement for the connecting drains which the government are to lay in St. Johns to convey the sewage of the town through the discharges underneath the canal. We trust that it is not definitely decided to do this, inasmuch as it has been demonstrated in numerous instances that cement pipes are not impervious to the acids and alkalis which find their way into the sewers. A letter recently appeared in the Engineering News, of New York, from Mr. Peter Hogan, of Albany, N. Y., giving the experience of that city with respect to sewer pipes. Almost every variety of pipes have been used in Albany within the last fifty years—brick, stone, cement, glazed and unglazed pipe—and the vitrified glazed pipe he declares have proved to be the best; as for cement pipes they went out of the race altogether. Regarding the durability, or rather we should say the impishability of the vitrified clay pipes, some interesting information has lately come to light. Mr. F. De Hass, late U. S. Consul at Jerusalem, makes the assertion that vitrified clay is among the most durable material known.

"The use of terra cotta," he adds, "for images, drum pipes, coffins, etc., dates back to the remote ages. Sewers and coffins have been found in Pompeii, Troy, Ninevah, and also in Ur of the Chaldees, the home of Abraham. Here vitrified pipe was in general use, and the tombs are drained with clay pipes which are today as sound as when laid in the ground 4,000 years ago."

With such information as this before

us, and with the further fact staring us in the face that the vitrified pipes that have repeatedly stood the most severe tests, are made right here in St. Johns, it would seem strange, indeed, if one should send abroad for material with which to build this important drain. Pipes are made in the Standard Pottery of St. Johns as large as 30 inches in diameter, and if any one of these is not large enough for the purpose, two could be laid side by side after the manner in which the discharge pipes are constructed under the canal. The sewer pipes have other advantages over cement—they are much more quickly laid down, and we believe are also considerably less expensive. It is to be hoped that all concerned will give this matter the attention its importance deserves.

STATISTICS OF THE PAVING BRICK INDUSTRY.

The production of paving brick in 1896, according to the report of the United States Geological Survey, declined to 347,167,000 from 381,591,000 the previous year, and the value fell to \$2,794,585 from \$3,130,472 in 1895. The average value per thousand was \$8.20 in 1895 and \$8.05 in 1896. The only one of the middle states that increased its product was Indiana, which went from 22,313,000 in 1895 to 41,292,000 in 1896. The price ranged from \$15 per thousand in Oregon to \$4.14 in Virginia.

FAILURE OF COMBINATION OF SEWER PIPE COMPANIES.

The committee appointed to obtain the signatures of sewer pipe manufacturers to the agreement to organize an \$11,000,000 corporation out of the companies doing business in Ohio, West Virginia and Pennsylvania, report that several large plants have failed to join the movement, and as a consequence the formation of the proposed company has been practically declared off.

James Warren, C. E., of Walkerton, Ont., has been appointed county engineer of Waterloo county, Ontario.

The plumbing firm of Purdy, Mansell & Mashinter, has been dissolved. Mr. Mashinter has retired, and will conduct a plumbing and gasfitting business at 97 Adelaide street west, under name of W. Mashinter & Co.

A test made of Perth's waterworks has proven satisfactory. The water was pumped by electric power, and with 100 pounds pressure on, the branchmen had all they could do to keep the stream under control. A 1¼-inch branch pipe was used, and a stream of water was thrown 135 feet with about 12 or 13 lengths of hose on. The electric power is all that was claimed for it.

BELLIHOUSE, DILLON & CO., 30 St. Francois Xavier St., Montreal
Sole Agents for the Compagnie Generale des Asphaltes de France (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. Ws. 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 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

B-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, Water-
works, 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

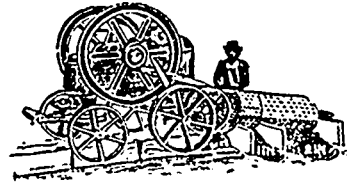
and General Water and Gas Special Castings.

Prices on Application.

Offices, Canada Life Building, MONTREAL.

THE JENCKES 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
- PUDDLLED BAR
- HYDRANTS, VALVES
- PIPE SPECIALS
- HEAVY CASTINGS
- IRON RAILS
- STRUCTURAL WORK
- MACHINE WORK
- CORPORATION SERVICE
and VALVE BOXES

--- BRAND "SIEMENS" ---

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.

VALE QUOTATIONS.

Toronto. Montreal.

Table with columns for material types (e.g., Mill cull boards, Hemlock scantling) and prices for Toronto and Montreal. Includes sub-sections for BRICK, SAND, and STONE.

Architects.

Table listing architects and their addresses, including Ontario Directory, Quebec Directory, and various architectural firms.

Cements.

Table listing cement companies and their products, such as Bremer, Alex., Currie & Co., and others.

Interior Decoration.

Table listing interior decoration firms and services, including Elliott, W. H., Currie & Co., and others.

Roofers.

Table listing roofing companies and their services, such as Campbell & Gilday, Douglas Bros., and others.

Table listing various building materials like Dimension, Kent Free stone, River John, and others with prices.

SLATE.

Table listing slate products and prices, including Roofing, red, purple, and others.

PAINTS.

Table listing various paint products and prices, such as White lead, Zinc, and others.

CEMENT, LIME, etc.

Table listing cement and lime products and prices, including Portland Cements and others.

Table listing various building materials like Hydraulic Cements, Lime, Plaster, and others with prices.

HARDWARE.

Table listing hardware products and prices, including Cut nails, Steel, and others.

Iron Pipe.

Table listing iron pipe products and prices, including Lead pipe, Galvanized Iron, and others.