

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

Covers damaged/
Couverture endommagée

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

Cover title missing/
Le titre de couverture manque

Coloured maps/
Cartes géographiques en couleur

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

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

Bound with other material/
Relié avec d'autres documents

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

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.

Additional comments:/
Commentaires supplémentaires:

Coloured pages/
Pages de couleur

Pages damaged/
Pages endommagées

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

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

Pages detached/
Pages détachées

Showthrough/
Transparence

Quality of print varies/
Qualité inégale de l'impression

Continuous pagination/
Pagination continue

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

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

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

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 THURSDAY

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. 8.

APRIL 8, 1897

No. 10.

THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY THURSDAY

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.

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

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

Advertising Rates on application.

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.

NOTICE TO CONTRACTORS

Sealed tenders, endorsed "Tenders for York Mills Bridge," will be received by the undersigned up to 10 a.m. of TUESDAY, APRIL 20TH, 1897, for the construction of Two Stone Abutments for a Steel Bridge over the West Branch of the River Don at York Mills, on Yonge Street. Plans and specifications may be seen and all necessary information obtained at the office of the undersigned on and after Monday, April 12th, 1897. An accepted cheque for \$200 must accompany every tender, which will be returned if the tender is not accepted.

The lowest or any tender will not necessarily be accepted.
By order,
J. McDOUGALL, County Engineer.
Court House, Toronto, April 7th, 1897.

TENDERS WANTED

Sealed bulk tenders will be received by the undersigned up to eight o'clock p.m. on Thursday, April 8th, 1897, for the various trades required in the

ERECTION OF A PUBLIC SCHOOL BUILDING

in the Village of Chesley. Plans and specifications can be seen at the office of M. A. Halliday, Secretary.

The lowest or any tender not necessarily accepted. Tenderers to state the price they will allow for the house situated on the school grounds.

M. A. HALLIDAY,
Secretary Chesley Public School Board.

SURFACE WATER DRAIN

Sealed tenders will be received up to 7:00 p.m., THURSDAY, APRIL 15TH, 1897, for the laying of about 1,200 ft. of 9-inch and 700 ft. of 10-inch sewer pipe, to act as a drain on East Main Street, in the Town of Galt.

A certified cheque for the sum of \$25.00 must accompany each tender.
The lowest or any bid not necessarily accepted.
Specifications, plans and all information will be furnished on application to the undersigned.

A. J. McPHERSON,
Town Engineer.

Galt, April 2nd 1897

CORPORATION OF OTTAWA

Fire Hose Wanted

Sealed tenders, addressed to the undersigned, will be received up to noon of TUESDAY, APRIL 13TH, for 2,000 feet or more of 2 1/2 inch and 250 feet of 3 1/2 inch Fabric or Rubber Hose, with Couplings to Ottawa Standard, and delivered at Ottawa for the use of the Ottawa Fire Department. Tenderers must submit samples of hose, with guarantees of pressure not less than 450 lbs. to the square inch.
The lowest or any tender not necessarily accepted.

JAMES WHITE,
Chairman Fire and Light Committee
Ottawa, 3rd April, 1897.



TENDERS FOR STEEL BRIDGES

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 14th Day of April Next,

for the construction of the following works.

Two Steel Bridges, carrying Grand Trunk Railway.
One Steel Bridge, carrying Canadian Pacific Railway, over Queen Street Subway.

Specifications and drawings may be seen and forms of tender obtained at the office of the City Engineer, Toronto.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 2 1/2 per cent. on the value of the work tendered for, must accompany each and every tender, otherwise they will not be entertained.

Tenderers 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.
R. J. FLEMING (Mayor),
Chairman Board of Control.

City Hall, Toronto, March 31, 1897.

CONTRACTS OPEN.

GOSFIELD NORTH, ONT. — J. E. Moore is preparing to erect a residence.

WELLAND, ONT. — A by law has been carried to issue \$10,000 of debentures.

ALBA, ONI. — John Howieson is making preparations to erect a brick residence.

KNOWLTON, QUE. — It is reported that a new academy will be built here this summer.

BRUNNER, ONT. — John Moore, of Milverton, proposes erecting a brick residence here this spring.

WOODSTOCK, N. B. — The Canning Company have not yet selected a site for their proposed building.

AYLWIN, QUE. — Rev. Mr. Kaneen is collecting funds for the purpose of erecting a new church at this place.

GUELPH, ONT. — D. Keleher, contractor, has broken ground for the erection of two brick residences on Court street.

STONEWALL, MAN. — Plans have been prepared for a new station building and

tank at this place for the C. P. R., and work on the structures will be commenced at once.

GALT, ONT. — It is rumoured that Theron Buchanan intends erecting an opera house opposite the post-office.

DORNOCH, ONT. — Mr. Hunt, merchant, is preparing to erect a mammoth store and dwelling, brick, three stories, 26 x 56 feet.

SAULT STE. MARIE, ONT. — A deputation from this town have asked the Ontario legislature to establish a hospital here.

RENFREW, ONT. — On June 3rd a by-law will be voted on to raise \$53,000 for waterworks and \$19,000 for a sewerage system.

FENWICK, ONT. — William Fry intends erecting a tenement house shortly. — It is the purpose of Elisha Killins to build dwelling.

VICTORIA, B. C. — A by-law will be placed before the ratepayers to raise \$17,000 for enlarging and improving the school buildings.

OWEN SOUND, ONT. — Mr. Jamieson, of the C. P. R., is surveying the site for the large elevator which the company propose to erect here.

ORILLIA, ONT. — The Fire, Water and Light Committee will recommend to Council the erection of a separate building for the pumping engines.

HUNTSVILLE, ONT. — Tenders will be received by W. E. Hutcheson until Monday, the 12th inst., for the erection of a Methodist church in this town.

ST. MARVS, ONT. — P. Whelihan has purchased the Denmie property and will proceed at once to erect a building designed for a departmental store.

ST. STEPHEN, N. B. — It is the intention of the local government to construct a new wharf at this place, plans for which are now being prepared; estimated cost \$6,000.

COLLINGWOOD, ONT. — Word has been received that a new post office is to be erected here, the site for which has not yet been chosen. — Mr. Coleman, of the Ceylon Tea Company, has decided to erect a store.

RICHMOND HILL, ONT. — Arrangements are being completed for commencing work on the new high school building at an early date. — J. Palmer proposes erecting a dwelling on a portion of the old Grand Central Hotel site.

COBOURG, ONT. — A deputation from this town has requested a subsidy from the Dominion government for the Cobourg, Northumberland & Pacific Railway, a line projected to run from Cobourg to Central Ontario Junction on the C. P. R., a distance of 50 miles.

ST. CATHARINES, ONT. — B. C. Fairfield & Son are having plans prepared for dwellings to be erected on the corner of Church and Court streets. — Plans for the

Catholic Young Men's Association building have been prepared by a Toronto architect. Estimated cost, \$6,000.

BROCKVILLE, ONT.—The Town Council have decided to petition the Minister of Marine to place a light-house or gas buoy in the channel of the St. Lawrence river, opposite Hillcrest.

GANANOQUE, ONT.—Power & Son, architects, of Kingston, are preparing plans for J. B. Abbot's new block in this town.—Dr. Bird has purchased a site on Pine street and will erect thereon an office and residence. Lewis Rogers has decided to rebuild.

ST. JOHNS, QUE.—Mr. T. Pringle, of Montreal, recently examined the site of the proposed dam near the Nigger Rapids, with a view to preparing specifications of the structure. If terms can be agreed upon a dam will be built to secure power for electric lighting.

KINGSTON, ONT.—It is said to be the intention of the Queen City Oil Company to erect larger oil sheds at an early date.—Mr. Kivas Tully, consulting architect of the Ontario government, was in the city recently in connection with the proposed enlargement of the dairy school.

FREDERICTON, N. B.—The proposed improvements to the city hall, for which plans are being prepared by R. C. J. Dunn, architect, of St. John, will cost in the vicinity of \$2,000.—H. Anderson has purchased a site on Park street, on which he will build during the coming summer.

VANCOUVER, B. C. A proposition submitted by Harry Symons, representing an English syndicate, for the erection of a smelting and refining plant in this city, has been accepted by the City Council. The plant is to cost \$600,000, and work is to be commenced within three months.

PORT ARTHUR, ONT.—The Mayor of this town had an interview last week with the Minister of Public Works at Toronto, and requested that the Department improve the bridges along the old Dawson route leading to Algoma mines. Some further dredging at Fort William harbor was also asked for.

WOODSTOCK, ONT.—Tenders are invited until Saturday, the 10th inst., for the erection of a steel bridge of 130 feet span over the river Nith, near Drumbo, from specifications to be obtained from Davis & Van Buskirk, civil engineers, this city. Tenders are to be addressed to M. F. Ainslie, Drumbo.

FORT WAYNE, INDIANA.—Proposals are invited by the Board of Commissioners of the County of Allen until May 15th for the building of a new court house and power station, including brick stack, tunnel, steam heating, water tube boilers, electrical construction, etc. Plans may be seen on application to the architect, Mr. B. S. Tolan.

RAT PORTAGE, ONT.—The question of erecting a hospital is under consideration.—The Council have been requested by the ratepayers to submit a by-law to provide funds for a system of waterworks.—It is learned that the Methodist congregation will erect a stone and brick church at the corner of Lily and First streets.

PARRY SOUND, ONT.—It is understood that the Oddfellows Society have purchased a site adjoining the post-office on which to erect their proposed block, which will be of brick, three stories high. On the ground floor will be two stores, on the second floor a suite of offices, and on the third floor a lodge room; estimated cost, \$6,000.

WINNIPEG, MAN. In connection with the report of Mr. Rudolph Herring, C.E., on a waterworks system, a test is being made of the artesian wells in the western part of the city with a view to their utilization as a source of supply.—The local government has made a grant of \$60,000

for the construction of a university building in this city.

HALIFAX, N. S.—The Exhibition Commissioners have accepted the plans of Elliott & Hopson, local architects, for their proposed main building, which will cost \$15,000. Tenders for construction will probably be invited during the present week. Besides the main building, there will also be built several smaller buildings, plans for which will be prepared by the City Engineer.

LONDON, ONT.—The Queen's Jubilee Committee will ask local architects to submit plans for a new \$60,000 hospital.—The London Street Railway Company will erect an iron bridge south of the Kensington structure.—George Craddock, architect, has been granted building permits for a brick residence on York street for James Porteous, cost \$1,600, and a similar residence on same street for John Bell.

HAMILTON, ONT.—T. H. Pratt will erect a new building to replace the one destroyed by fire. The Ferguson avenue sewage disposal works will in all probability not be commenced until next year.

The congregation of Herkimer street Baptist church have decided to erect a new edifice at the corner of Melbourne and Locke streets. The Wentworth street Baptist congregation also contemplate building at an early date.—John McCullough has been granted a permit for two 2-story brick dwellings on Jackson street west, to cost \$2,500.—A. W. Peene, architect, invites tenders until Saturday next for the erection of a residence on the mountain top.

QUEBEC, QUE.—It is said that Mr. Windler, of New York, has purchased property on the Saguenay river, near the mouth of Rivere aux Sables, and will build a pulp manufactory.—Harry Staveley, architect, is preparing plans for a depot to be erected for the electric railway company on St. John street, at the extremity of the suburb.—W. D. Baillarge, assistant city inspector, invites tenders until Tuesday, the 20th inst., for the construction of an iron and steel pontoon, 120 x 40 feet, as per plans to be seen at the office of the City Engineer.—Robert Smith, of the Bank of British North America, proposes erecting a residence on Maple avenue, to cost \$12,000. T. J. Moore will also build a residence in the same locality.

ST. JOHN, N. B.—There is talk of erecting a first-class hotel at Indiantown.—The common council have decided to issue an additional \$30,000 of debentures for harbor improvements at Sand Point.—Captain Porter, owner of the steamer "Star," intends building a new warehouse this summer at Indiantown.—Thomas Malcolm, of Edmundston, has lately returned from Augusta, Maine, where he secured the approval of the state legislature of the charters secured from the Dominion government for the construction of four steel traffic bridges across the St. John river. The work will be undertaken this summer by the St. John River Bridge Company, and the bridges will be located at St. Leonard's, Edmundston, St. Helair and Fort Kent.—Tenders are asked by Edward Manning, secretary of the Board of School Trustees, for the supply of 200 desks and seats for the high school, also for 125 blinds.

MONTREAL, QUE.—The Fire Committee of the City Council have decided to build a new station in place of No. 7, Dalhousie Square, work on which will be commenced at once.—The Council of St. Louis du Mile End has resolved to borrow \$175,000 to build a new fire station and establish a drainage system.—The Market Committee will recommend to the City Council the enlargement of Bonsecours market, at a cost of about \$50,000.—At the last regular meeting of the

council of the Montreal Board of Trade, it was resolved to petition the Minister of Public Works to proceed without delay with the harbor improvements.—A by-law will this week be submitted to the ratepayers of St. Henri to borrow \$200,000 for public improvements.—J. Alcide Chausse, architect, is preparing plans for two stores and hall on St. Catherine street, four tenements on St. Dominique street, and one residence at L'Assomption for M. de Moreau.

OTTAWA, ONT.—J. H. Balderson, of the Department of Railways and Canals, has given notice of the extension of time for receiving tenders for the improvement of the North Channel, situated between Galops canal and Prescott, until Saturday, the 24th inst.—A petition is being presented to the ratepayers asking for the construction of an asphalt pavement on Metcalfe street.—The Board of Works will recommend to Council the granting of the petition for the paving of Wellington street, between Bank and Lyon streets, at an estimated cost of \$38,938. Scoria blocks will be used.—Mr. Peireault, assistant city engineer, is taking surveys at the experimental farm for the location of a water tower. George O'Reilly will proceed at once with the construction of a cold storage building on Nicholas street, to cost \$8,000. The structure will be 200 x 66 feet, probably two stories in height, and will be divided into separate departments.—A proposal has been made by W. D. Morris and John A. Brouse to erect an arcade building on Sparks street, to be four stories in height, and estimated to cost \$30,000. Plans for the building have not yet been prepared.—A large deputation, representing twelve ridings, have urged upon the Dominion government the necessity of completing the Trent Valley canal at once.

TORONTO, ONT.—Mr. Nelson, builder, has purchased property with 50 feet frontage on Spadina road, near Walmer road, on which he will erect two residences.—The City Council has given notice of its intention to construct the following works: 24 foot asphalt pavement on Jameson ave., from King to Queen sts., cost \$9,480; 24-foot brick pavement on concrete foundation on Walmer road, from Bloor st. to Lowther ave., cost \$6,100; 24-foot gravel roadway on Lisgar st., from Queen st. to Aston ave., cost \$2,120; 24-foot gravel roadway on Beaconsfield ave., from Queen st. to Aston ave., cost \$2,100; 11-foot concrete sidewalk on west side of West Market st., from King to Front sts., cost \$940; 6-foot cement concrete sidewalk on south side of Prince Arthur ave., from Avenue road to Bedford road, cost \$968.—A project is mooted for the construction of a large residence for working-men. The proposal is to organize a joint stock company and erect a six-story building, with basement, the plans for which, it is understood, have already been prepared. Professor Clark, of Trinity College, and Hon. G. W. Ross, Minister of Education, are said to approve of the scheme.—Incorporation is asked for the Fort Francis & Pacific Railway Company, to construct a railway from Fort Francis to a point on the C. P. R. between Raleigh and Vermillion. Among the promoters are Horace Thorne, James Pearson, J. W. Tait, and others, of Toronto.—F. H. Herbert, architect, 9 Toronto street, invites tenders until April 9th for all trades, except carpenter work, required in the erection of a stone and brick detached residence on Spadina road.—James McDougall, county engineer, has been instructed to invite tenders for the building of the York Mills bridge, in case it is decided to construct the bridge on a different site.—J. Francis Brown, architect, Board of Trade building, has made final arrangements in connection with the plans of the new high school at Richmond Hill, which

will shortly be submitted to the Minister of Education for approval, after which tenders will be invited.—Building permits have been granted as follows: George McKibbin, 37 Spadina road, three attached brick dwellings, cost \$4,000; C. Nicol, 70 Empress crescent, detached brick dwelling, north-east corner of Empress crescent, near Dunn avenue, cost \$2,000; Toronto Electric Light Company, building on the Esplanade, an iron and brick structure, cost \$10,000.—A petition has been received by the City Engineer asking for an asphalt pavement on Carlton street, between Parliament and Metcalfe streets.—The construction of the following pavements has been decided upon by the City Council: Harbord street, asphalt, from Huron to St. George; Classic place, macadam roadway; Adelaide street west, asphalt, from Yonge to Bay; Colborne street, asphalt, from West Market to Yonge; Harbord street, cedar pavement, Fenning street, brick pavement.—Ald. Saunders is endeavoring to induce the Ontario government to construct an asphalt pavement around the Normal school grounds and a granolithic pavement in front of Osgoode Hall.—Smith & Gemmell, architects, of this city, have forwarded to the authorities at Portage la Prairie, Man., the plans of the proposed Presbyterian church to be erected there, and tenders will be asked immediately. Estimated cost, \$15,000.—J. F. Brown, architect, has completed plans and is taking tenders for residences on Admiral road and Palmerston avenue, and for a residence at Napanee. He has also accepted tenders for two houses on Sumach street and for alterations to Dr. Britton's residence on Isabella street.—The Town Council of North Toronto have decided to discontinue the boring of wells for a water supply.

FIRES.

The Methodist church at Muncie, Ont., has been burned. Loss, \$1,200, no insurance.—Peter Bertram's hardware store at Hamilton, Ont., was completely gutted by fire a few days ago. The building was owned by T. H. Pratt.—A large building at Ayr, Ont., owned by Alex. Reid, was totally destroyed by fire on the 3rd inst.; no insurance.—The Methodist church at Magnetawan, Ont., was burned on Sunday last, at a loss of \$1,000. The organ, seats and other fixtures were saved.—A hotel building at Dunedin, Ont., owned by Mr. Leonard, of Creemore, was destroyed by fire on Friday of last week.—At Hagersville, Ont., on the 5th inst., fire destroyed Thomas Goodwin's hotel and Alex. McDonald's club house, together with out buildings. The total loss is placed at \$10,000, partially covered by insurance.—J. A. M. Davignon's dry goods establishment, Choquette's stationery store, the Bell Telephone exchange, and the residence of Dr. G. F. Slack, at Farnham, Que., were burned on April 1st; small insurance.—An elevator building at Teeswater, Ont., owned by L. A. Bink, was recently damaged by fire.—The Granite woollen mill at St. Hyacinthe, Que., was damaged by fire on the 5th inst. to the extent of \$40,000. Some valuable machinery was destroyed.

CONTRACTS AWARDED.

SPRUCEDALE, ONT. The contract for the new school has been let to J. Paton; price \$529.20.

LONDON, ONT.—The contract for laying 500 feet of 18 inch sewer has been let to A. Burnett & Son, at \$588.

GALT, ONT.—Daniel Allen has been given the contract for roofing H. L. Janzen's new building with Allen's composite roofing.

St. JOHN, N. B.—James Ready has accepted tenders as follows for factory on

Union street. Masonry, Mr. Mooney, \$3,075; carpenter work, John Duffy, \$3,699.36.

FREDERICTON, N. B.—John Clark & Son have awarded the contract for a three storey brick building to William Butler, of Gibson.

CARLETON PLACE, ONT.—The sub-contract for the carpenter work of the C. P. R. shops has been secured by Walter Beatty, of Pembroke.

ELMVALE, ONT.—Thos. Kennedy & Son, architects, Barrie, have awarded the contract for M. F. W. Lent's residence in this village to James Davenport, of Midland.

OTTAWA, ONT.—The Waterworks Committee have accepted tenders for supplies as follows: Lead pipe, McKinley & Northwood; brasswork, E. G. Laverdure, hydrants, Thos. Lawson; iron pipe, Alex. Fleck; fire alarm boxes, Ahearn & Soper, hardware, E. G. Laverdure.

GUELPH, ONT.—Geo. R. Bruce, architect, has accepted tenders as follows for a residence for W. A. Knowles. Stone and brickwork, Taylor Bros.; carpentry, A. F. Steffler; plastering, J. J. Mahoney; painting, Reynolds & Son; tinsmithing, Kerr Bros.; plumbing, Mahoney Bros.

WINNIPEG, MAN.—The Board of Works have accepted the offer of D. B. McLeod to furnish an Egan rock crusher and plant for \$1,000.—The tender of the Canadian Rand Company for a steam pump, at \$310, has been accepted. W. F. Lee will supply 3,000 feet of sewer pipe at \$1,757.10.

TORONTO, ONT.—Contracts were last week let by the city for pavements as below: Front st., Yonge to Church, asphalt, Warren-Scharf Co., \$10,362; Carlton ave., from Ontario st. 222 ft. east, asphalt, The Construction and Paving Co., \$1,123; Hazelton ave., Yorkville to Davenport, brick, D. L. Van Vlack, \$8,030; Huntley st., Isabella to Bloor, brick, J. F. Connolly,

\$4,843; Huntley st., Earl to Isabella, brick, A. J. Brown, \$1,510; Johnston's lane, brick, D. L. Van Vlack, \$700. The City Engineer sent in tenders for the brick pavements, the work to be done by day labor, as follows: Hazelton ave., \$8,341; Huntley st. No. 1, \$5,017; Huntley st. No. 2, \$1,912; Johnston's lane, \$759.

COLLINGWOOD, ONT. The contract for deepening the harbor at this place has been let by the Dominion government to Boon, Armstrong & Burdett, of Toronto. The total cost is \$150,000.—W. S. Douglass has accepted tenders for the erection of a store as below: Brick work, R. Paterson; wood work, Wilson Bros.; tinsmithing, J. H. Duncan; painting, F. Munson.

MONTREAL, QUE. The Harbor Board have accepted tenders as follows for supplies. Timber, Shearer, Brown & Co., planks, James Shearer & Co.; ordinary bar iron, Canadian make, pressed spikes, Peck, Renny & Co.; imported iron, cut nails, white lead, oil, manilla rope, Lewis Bros. & Co.; machinery steel, colored waste, J. W. Pyke & Co.; wharf spikes, Montreal Rolling Mill Company, nuts, washers and carriage bolts, Coverhill, Learmont & Co., pine, pitch and tallow, James Wilson & Co.; castor oil, boiled linseed oil and sal soda, H. Dobell & Co.; turpentine, C. C. Cleggett & Co.; concentrated lye, Ross Bros. & Co., castings, P. Amesse and Carner, Laine & Co.; white waste, Sclater Asbestos Manufacturing Company, oakum (navy), W. Sclater & Co., Ltd., oakum, new hemp, A. Macpherson & Co.—A. C. Hutchison, architect, has awarded contract as follows for a residence on Edgell avenue for C. Coughlan. Masonry, Wighton & Morrison, brick laying, William Lavers; carpenter and joiner's work, George Roberts; plumbing, James Ballantyne; plastering, John McLean; painting, George Dezouche & Sons; roofing, Montreal Roofing Company; steel work, Do-

THE Authorities at Ottawa have been investigating the merits of the new Wall Plaster, known as

“ASBESTIC”

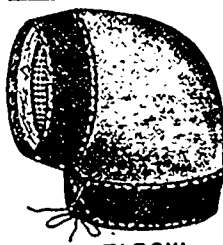
which is nearly the pure product of Asbestos, and possesses all the remarkable qualities of that mineral, being Absolutely Fire-Proof, and as a Plaster, Cohesive and Elastic, besides allowing a Perfect Surface Finish. The result of such examination and investigation, from actual work done in Ottawa, and the opinions of eminent Architects, is to prove that it is all that it is claimed to be. A large order has been given for this material, which is to be used in the reconstruction of the Parliament Buildings, lately destroyed by fire.

The Authorities have shown great wisdom in their choice, as the cost over ordinary plaster is very trifling, and the advantages so manifest to every Architect who has given this remarkable production careful attention, that it cannot fail to commend itself as a positive assurance of safety against fire risk, entailing the minimum of cost for such an object.

For Further Information Address

THE ASBESTOS & ASBESTIC CO., Ltd.

DANVILLE, QUEBEC



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

minion Bridge Co.; electric wiring, C. W. Henderson.—S. Frappier, architect, has awarded the following contracts for two cottages on St. James street, St. Henri, for M. G. Lefebvre; carpenter and joiner's work, N. Lavoie; roofing, St. Amour; plumbing, Jos. Perrault, plastering, V. Laverdure.—J. Alcide Chausse, architect, has let contracts as follows for a presbytery at L'Assomption, two stories, 42 x 73 feet, stone front: Masonry, E. Lauzon, of Joliette; carpenter and joiner's work, E. Piché, of L'Assomption Building permits have been granted as follows Two dwelling houses on St. George and Devienne streets, for A. Dionne; architect, A. Raza; builders, Ouimet & Labelle. Repairs of a house on Ontario street for L. B. Durocher; builder, L. B. Durocher. Houses on Iberville street, wood, lined in brick, for Jos. L'Esperance; builders, Durocher Bros. and A. Lafrance. One house on Conway street for John Parish; architect, Walter Livermore; builders, John Matthewson, mason; A. E. Wand, bricklayer.

Lesuer & Lemon, contractors, Rossland, B. C., have dissolved partnership.

BIDS.

NIAGARA FALLS, ONT.—The Town Council opened bids for sewer work on Monday last. These bids were on five sections, estimated by Mr. Mitchell, the town engineer, to cost \$60,000. There will be 3,600 yards of rock excavation in the five sections, the bids for which ranged from \$1.70 to \$3 per yard. The tenders for the work proper, both rock

and dirt excavations, were as follows: James Barry, Niagara Falls, Ont., and John Ross, Toronto, \$42,384.60; Blake & Connelly, Toronto, \$42,728; A. J. Brown, Toronto, \$41,538; Newman Bros., St. Catharines, \$47,000, Clement & Co., Niagara Falls, N. Y., \$45,160; Frank Bell and Peter Lorenzo, Niagara Falls, Ont., on section 4, \$5,400. No awards have yet been made.

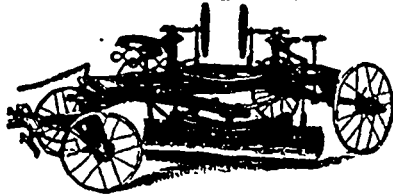
JOSSON CEMENT .. Manufactured at.. **NIEL ON RUPELL**

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

THE PIONEERS IN CANADA IN THE MANUFACTURE OF ROAD-MAKING MACHINERY

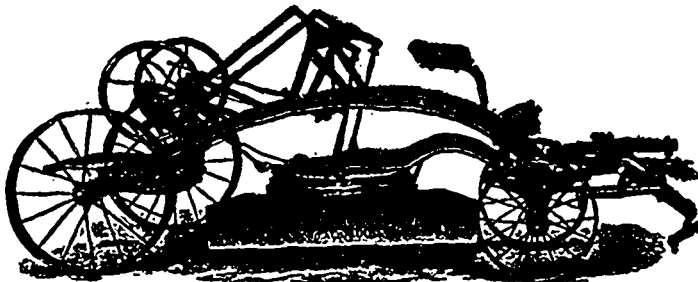


This Cut represents our
.. **STEEL CHAMPION REVERSIBLE** ..
ROAD MACHINE

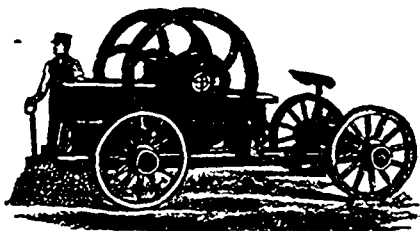
Simplest in Construction, Strongest in its Parts, Easiest in Operation; the Most Durable and Efficient Road-Making machine Manufactured.

Address— **GOOD ROADS MACHINERY CO.**
HAMILTON, CANADA.

AUSTIN
Reversible
ROAD
GRADER



BEST
FINISHED
MOST . . .
COMPLETE.
We claim to have
attained
PERFECTION



Austin Rock Crusher.

Branch Houses

LONDON, ONT.
WINNIPEG, MAN.
ST. JOHN, N. B.

F. C. Austin Manufacturing Co.

Cor. Carpenter St. and Carroll Ave.,

CHICAGO, ILL.

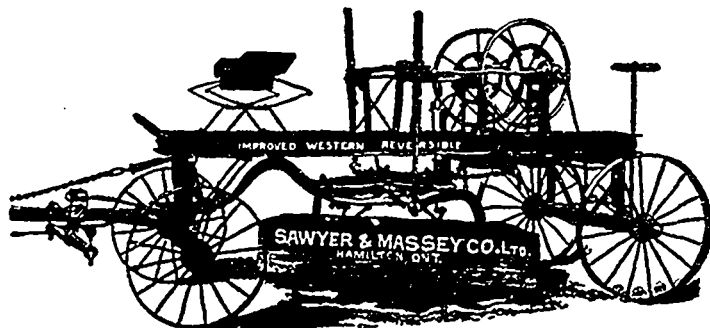
Manufacturers of . . .

A Full Line of **EARTH-MOVING** and **ROAD-MAKING MACHINERY**

New Era Graders, Wheel Scrapers, Leveling Scrapers, Dray Scrapers, Plows, Reversible Road Rollers, Ditching Machines, Street Sprinklers, Street Sweepers, Well Drilling Machinery, Etc., Etc.



ROAD MAKING MACHINERY



We are prepared to supply Municipalities, Contractors, etc., with the Latest Improved

ROAD MAKING MACHINERY

Catalogues on Application. Correspondence Solicited.

Sawyer & Massey Co., Ltd
HAMILTON, ONT.

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) — Stock and Bond Brokers. Investment Agents. 23 King St. West, TORONTO
ELECTRIC RAILWAY BONDS PURCHASED. **STOCK EXCHANGE ORDERS PROMPTLY EXECUTED**

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

DEBENTURES BOUGHT

Municipalities saved all possible trouble.

G. A. STIMSON & CO.

Investment Dealers

9 Toronto Street - TORONTO

ARTIFICIAL STONE PAVEMENTS

SIDEWALKS A SPECIALTY

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

The Silica Baritic Stone Company of Ontario, Ltd.

WALTER MILLS, General Manager.

Head office: INGERSOLL, ONT.

Flush Your Sewers with

THE MILLER AUTOMATIC SYPHON (PATENTED)

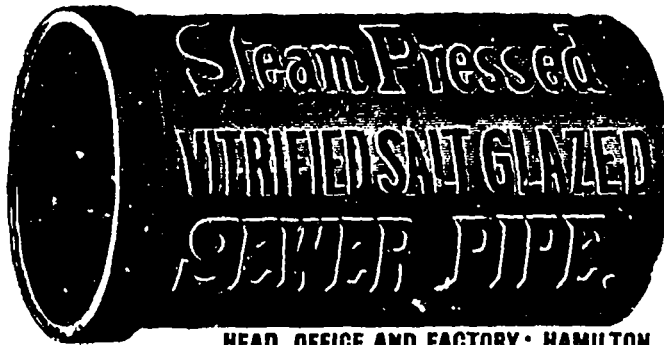
Received HIGHEST AWARD at the World's Columbian Exposition for

- (1) SIMPLICITY OF CONSTRUCTION.
- (2) EFFECTIVENESS, (3) RELIABILITY

Write for Prices and Particulars.

VICTOR HILL, General Agent. 39 D'Arcy St. TORONTO.

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



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

Write for Discount

HEAD OFFICE AND FACTORY: HAMILTON, CANADA

BELLHOUSE, DILLON & CO., 30 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

CANADIAN CONTRACTOR'S HAND-BOOK (2nd edition). Price \$1.50; to subscribers \$1.

STEAM AND POWER

FOR ALL DUTIES



NORTHEY CO. LTD.

TORONTO, ONT.

THE LAURIE ENGINE CO., MONTREAL Sole Agents for Province of Quebec.

CAST IRON WATER PIPES

From 4 in. to 36 in. Diameter.

BELL AND SPIGOT • TURNED AND BORED

AND EVERYTHING NECESSARY FOR

A Complete Water or Gas System

SUPPLIED BY The LONDONDERRY IRON CO., Ltd.

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
 - PUDDLED BAR
 - HYDRANTS, VALVES
 - PIPE SPECIALS
 - HEAVY CASTINGS
 - STRUCTURAL WORK
 - ARCHITECTURAL WORK
 - MACHINE WORK
 - HYDRAULIC MACHINERY
 - TURBINES
 - BAR IRON

The Central Bridge and Engineering Company, Ltd.

Capital Stock

PETERBOROUGH, ONT.

\$200,000.00



WM H LAW Manager and Engineer

Manufacturers of

RAILWAY and HIGHWAY BRIDGES

Viaducts, Piers, Roofs, Turntables, Girders and Architectural Work

CAPACITY: 5,000 TONS PER ANNUM

"RAMAPO" SAFETY SWITCH STANDS

BRAND "SIEMENS"

**MUNICIPAL
DEPARTMENT**

**AN INVESTIGATION OF THE BENEFIT
OF STRUCTURE ON THE WEARING
POWER OF PAVING BRICK.***

By PROFESSOR EDWARD NORTON, JR.
(Concluded.)

THE TESTING OF THE SAMPLE.

After checking up the numbers and identification marks of these brick, they were divided into charges of five each. Some of the makes of brick were represented by only a few samples, owing to misunderstandings on the part of the maker, while others were represented by forty or fifty brick. The standard charge of five test brick was then made up in volume to ten per cent. of the cubic contents of the rattle by addition of eight Canton standard paving brick, selected from my standard pile in the laboratory. The first series of charges was then subjected to the abrasion test, being weighed after both 1,000 and 2,000 revolutions at standard speed and in a standard barrel. When this series had been completed as many of the different makes as were represented by enough brick to make a second set of charges were then carried through in similar manner, using Canton standard brick to fill up whatever vacancy in the ten per cent. volume was demanded. A third series of tests was then made, using the remnants of the different makes of test brick which were left, and in most cases so adjusting the charges that end cut and side cut brick made from the same kind of machine were pitted against each other in the same charge, and no Canton brick were required to fill up these charges to the required volume. After completing the abrasion test on all of the samples which were forwarded to me the results were collated and put in tabular form.

A careful study of this table reveals some results which, I think, will be of great value to the paving brick industry and which are doubtless as much of a surprise to many paving brick makers as they have been to me. The conclusions which have been described in the early portions of this paper, as drawn from the Ohio Survey test, are completely overthrown by the results of this series, and since in this series every condition of manufacture in which variation could exist has been rendered almost absolutely uniform, for not only was the clay perfectly homogeneous, but also the pugging was in most cases done by the same machine and the clay was used before drying out. The drying in natural air without heat was certainly nearly uniform. The burning and cooling were absolutely fair and impartial, and the testing, it goes without saying, was equally so. In fact, until all the results were collated no one had any idea

* Paper read before the National Association of Brick Manufacturers of the United States.

as to what conclusions could be drawn from the test.

The only element of variation which has been allowed to enter into the series was that which was purposely made irregular, being the kind of machine which was used in manufacturing the brick.

THE CONCRETE RESULTS.

In the succeeding chart I have shown graphically the results of the study of the tabulated loss in the table above. The very marked superiority of end-cut brick over side-cut brick is a surprise to me, and the equally plain advantage of repressing end-cut brick, and the equally plain advantage of repressing side-cut brick cannot be mistaken by the most casual observer.

Now that the facts are obtained it seems easy to account for this fact. In the first case the line of pressure is at right angles to the lines of structure or lamination of the brick, while in side-cut brick the line of flow of the particles and the line of pressure in the repressed die are parallel, consequently the slight change in volume which occurs in repressing operates towards condensing the laminations of the end-cut brick, while it operates towards opening up and increasing the laminations of the side cut brick. It will be noted in this table and chart no names or no clues are given which will enable one manufacturer or brickmaker to compare his brick to the disadvantage of others who may have had material in the same test. Also, I can state that several of the more important machine manufacturers have bricks from both their side-cut and end-cut machinery represented in this series; hence, it cannot be claimed or believed by any fair-minded person that the results of this test are meant to in any way prejudice one class of machinery or one class of makers against another class. The whole object has been to ascertain the truth in a spirit in scientific inquiry, and the results are so conclusive and so strong that it would seem that this Association ought to find real financial profit from the work done.

ASPHALT PAVEMENTS.

The city of Buffalo has 51 miles of asphalt pavement, making an area of 1,000,248 sq. yds., representing a greater area of asphalt roadway than may be found in the continental state of Europe. Asphalt has become the ideal pavement for both residence and traffic streets. It affords sure footing for horses when properly compounded with gritty substance. The wear and tear on vehicles and horseflesh is much less on asphalt than on stone or any other form of pavement, at the same time the absence of rumbling noise, incident to stone, brick or macadam, is a great recommendation in its favor. The cubic contents of asphalt in the United States will measure more than 7,000,000 cubic ft., while with the concrete foundations the cubic contents run up to 23,000,000 cubic ft., and weigh a million and a half tons. Asphalt pavements and cement go hand in hand. In Europe Portland cement has become the favorite material for foundations of all kinds of pavements, while in the United States natural cement is still largely used for this purpose. Portland cement is being recommended and used where the first cost is not too closely scrutinized.

The United States has vast deposits of asphalt in California and Utah, while there are smaller deposits in other states, notably Kentucky and West Virginia. The Kentucky asphalt has assumed a commercial aspect of great promise. The real necessity of going out of the country for raw material is fast diminishing. The strong competition of the native and Bermudez asphalt has brought down prices. The Trinidad asphalt suffers an export duty and again a duty of 20 per cent. In 1895 we imported to the value of \$46,255, paying a duty of \$9,251, while the island of Trinidad, in 1893, exported to the value of \$153,640, the Barber Co. being the largest exporter from the island.—Cement and Engineering News, Chicago.

The town of Barrie, Ont., is about to commence arbitration proceedings to determine the value of the present water-works system, with a view of purchasing the same from the owner. Mr. Willis Chipman, C.E., who acted in a similar capacity in the recent Cornwall case, has been engaged as arbitrator.

THE THREE RIVERS IRONWORKS CO.
Montreal Office: IMPERIAL BUILDING. THREE RIVERS, P. Q.

Cast Iron Water and Gas Pipes

of best quality, from 2 inches in diameter.
HYDRANTS, VALVES and GENERAL CASTINGS.

Drummond McCall Pipe Foundry Company,
Canada Life Building - MONTREAL.

CAST IRON WATER AND GAS PIPES

WORKS: LACHINE, QUE. PRICES ON APPLICATION.

ST. LAWRENCE FOUNDRY COMPANY, LTD. Manufacturers of

CAST-IRON WATER & GAS PIPES.
ARCHITECTURAL IRON & STEELWORK.

Front St. East
TORONTO, ONT.

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

ENGINEERS

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

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.

GEO. WHITE-FRASER

C. E., D.T.S., A. AM. INST. EL. ENG
CONSULTING

ELECTRICAL ENGINEER

Electric Railways and Electric Light.
SPECIALTY: Specification and Superintendence of
MUNICIPAL PLANTS.
18 Imperial Loan Building - TORONTO.

VAUCHAN M. ROBERTS

Civil and Sanitary Engineer
Waterworks, Sewers, Electric Light,
Electric Railways.

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

DAVIS & VAN BUSKIRK

Graduates Royal Military College of Canada.
CIVIL ENGINEERS

SPECIALTY: Municipal Engineering, including
image, 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

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.

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

(Member Can. Soc. C. E.)

CONSULTING ENGINEER AND EXPERT

Specialties:
Water Supply and Sewerage, etc.
Electric Power, Lighting, Railways, etc.

Offices:
CANADA LIFE BUILDING - TORONTO

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

Architects. Ontario Directory..... 111 Quebec Directory.... ii	Chimney Topping. Bremner, Alex..... i Currie & Co., W&FP.. xii	Interior Decoration Castle & Son..... vii Elliott, W. H..... v	Reflectors Friok, I. P..... i
Architectural Sculptors and Carvers. Carroll, Robert..... 111 Holbrook & Mollington..... i Lamar & Metge..... 111	Contractors' Plant and Machinery Rice Lewis & Son.... IV	Lime. Currie & Co., W&FP.. xii Mills Roches Lime Co., The..... viii Ontario Lime Association..... 11	Roofers Campbell & Gilday... x Douglas Bros..... xi Duthie & Sons, G.... xi Forbes, D..... xi Hutson & Sons, W. D. x Montreal Roofing Co. xi Nicholson & Co., D.. xi Ormsby & Co., A. B.. i Rennie & Son, Robt.. xi Reggin, John..... xi Stewart & Co., W. T. xi The Guarantee Mineral Roofing Co.... xi Warren Chemical & Mfg Co..... xi Williams & Co., H.... x
Architectural Iron Work. Dominion Bridge Co. i	Cement. Bremner, Alex..... IV Currie & Co., W&FP.. xii Owea Sound Portland Cement Co..... IV	Legal. Denton & Dods..... 111 Quinn & Morrison.. 111	Sanitary Appliances Dakin & Co., F. B... IV Garth & Co..... vi Toronto Steel Clad Bath & Metal Co..... ix The James Robertson Co..... 11
4th Woodwork Southampton Mfg. Co. ix	Drain Pipe Bremner, Alex..... IV Currie & Co., W&FP.. xii Hamilton and Toronto Sewer Pipe Co. xii	Machinery Petrie, H. W..... ii	Shingle Stains Cabot, Samuel..... IV
Boiler Covering Mica Boiler Covering Co..... viii	Elevators Darling Bros..... ii Fensom, John..... i Leitch & Turnbull... i Miller Bros & Toms.. vi	Mortar Colors and Shingle Stains. Cabot, Samuel..... IV Muirhead, Andrew... i	Stained and Decorative Glass Castle & Son..... viii Horwood & Sons, H.. viii Hobbs Glass Works... ii Mackey Stained Glass Co..... viii McKenzie's Stained Glass Works..... viii Prismatic Glass Co.... viii Wood & Co..... viii
Bricks (Pressed) Beamsville Pressed Brick Co..... i Brockville Pressed Brick Co..... viii	Builders' Supplies. Bremner, Alex..... i Currie & Co., W&FP.. xii Lawrence & Wiggin.. IV Montreal Directory.. xi Ontario Lime Association..... ii Rice Lewis & Son... IV Toronto Directory.... xi	Painters. Montreal Directory.. x Toronto Directory.... x	Plate Glass Hobbs Glass Works... ii The Consolidated Plate Glass Co..... ii
Building Stone Dealers. Couzens, James J... vii Credit Forks Mining & Mfg. Co..... ix McPheison & Co., A.. vii The Longford Quarry Co..... vi	Builders' Hardware. Rice Lewis & Son.... IV	Plasterers Hynes, W. J..... xi	Prismatic Glass. Prismatic Glass Co.... vi
Croosote Stains Cabot, Samuel..... IV	Church and School Furniture. Can. Office & School Furniture Co..... IV	Paints & Varnishes Muirhead, Andrew... i	Plumbers Montreal Directory.. xi Toronto Directory.... xi
		Parquetry Floors Elliott, W. H..... vi	Roofing Materials Ormsby & Co., A. B. i Metallic Roofing Co.. x Pedlar Metal Roofing Co..... v
		Galvanized Iron Workers. Ormsby & Co., A. B. i	Roof Snow Guards. Gunn, R. A..... IV
		Granite Brunet, Jos..... vii	
		Grates, Mantles, and Tiles. Holbrook & Mollington i Rice Lewis & Son... IV	
		Heating. Gurney Foundry Co.. iv Gurney, Tilden Co. ... xii King & Son, Warden 111 Ormsby & Co., A. B. i Toronto Radiator Mfg Co.....	

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



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

Double Strength
Railway Culvert Pipes,
Inverts, Vents,

AND ALL KINDS OF FIRE CLAY GOODS

SEND for a Copy of the

CANADIAN CONTRACTOR'S HAND-BOOK

Price \$1.50; To Subscribers, \$1.00

ALEX. GARTSHORE,
PRESIDENT.

J. G. ALLAN
SECY & TREAS

JAS. THOMSON,
VICE PRES'T & GEN'L MGR

ESTABLISHED 1870

INCORPORATED 1896

**GARTSHORE-THOMSON
PIPE & FOUNDRY CO. LTD.**

MANUFACTURERS OF
SPECIAL CASTINGS AND ALL KINDS OF WATER WORKS SUPPLIES

HAMILTON, ONT.

Prices of Building Materials.

CONDITION OF THE MARKET.

TORONTO: Business has shown some expansion within the past week, improvement in demand for several lines being reported. In consequence of the summer freight rate, which took effect recently, shipping has been quite active, as some orders were held until the lower rate could be obtained. Wire and cut nails, cement, building paper and galvanized iron show some improvement. Glass is featureless and little asked for. In Hamilton the local brick-makers have commenced a war as to prices, and it is said that the price of common brick has been reduced to \$4.

MONTREAL: As the result of a meeting of iron manufacturers held in Montreal last week, it has been decided that the agreement on the wire nail schedule shall no longer be held good. This means that the wholesale jobbing trade can fix any scale of discount they choose. There has been a fair inquiry during the past week for cut and wire nails and general hardware. Heavy metals are quiet, with few changes, pig lead being a little firmer. An active inquiry continues for cement for spring delivery, and stocks in the hands of dealers are lighter than usual at this season of the year. An improvement is also noted in paints and oils.

LUMBER.

CAR OR CARGO LOTS.

Toronto. Montreal.

Table listing lumber prices for various types of wood, including spruce, pine, and hemlock, with prices in dollars and cents for both Toronto and Montreal.

VAID QUOTATIONS.

Table listing quotations for various building materials such as mill call boards, shipping call boards, hemlock scantling, and cedar for block paving.

B. M.

Table listing prices for building materials under the 'B. M.' category, including flooring, sheeting, and lath.

Toronto. Montreal.

BRICK—M

Table listing prices for various types of bricks, including common walling, good facing, and pressed bricks.

SAND.

Table listing prices for sand, including common rubble and large flat rubble.

STONE.

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

OHIO FREESTONE, FROM THE GRAPTON STONE CO.'S

Table listing prices for Ohio freestone, including various dimensions and types of stone.

LONGFORD STONE.

Table listing prices for Longford stone, including rubble and ashlar.

SLATE.

Table listing prices for various types of slate, including roofing and terra cotta tiles.

PAINTS. (In oil, \$ lb)

Table listing prices for various types of paint, including white lead, red lead, and yellow ochre.

Toronto. Montreal.

Table listing prices for Sienna, burnt, Umber, and Turpentine.

CEMENT, LIME, etc.

Table listing prices for various types of cement and lime, including Portland cements and hydraulic cements.

Table listing prices for Keene's Coarse Whites, Fire Bricks, and Lime.

HAEDWARE.

The following are the wholesale selling prices to dealers, and are published only as a guide to builders:

Table listing prices for cut nails, steel, and cut nails, fence and cut spikes.

CASING AND BOX, FLOORING, SHOOK AND TOBACCO BOX

Table listing prices for casing and box, flooring, and shooks.

FINISHING NAILS.

Table listing prices for finishing nails in various sizes.

COMMON BARREL NAILS.

Table listing prices for common barrel nails in various sizes.

CLINCH NAILS.

Table listing prices for clinch nails in various sizes.

SHARP AND FLAT PRESSED NAILS.

Table listing prices for sharp and flat pressed nails in various sizes.

STEEL WIRE NAILS.

Table listing prices for steel wire nails in various sizes.

Iron Pipe:

Table listing prices for iron pipe in various sizes.

Galvanized Iron:

Table listing prices for galvanized iron in various sizes.

Structural Iron:

Table listing prices for structural iron, including steel beams, channels, and plates.

(Corrected up to April 7th)