

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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CANADIAN CONTRACT RECORD

A Weekly Journal of Advance Information and Public Works.

ITS PURPOSE: TO SUPPLY TO CONTRACTORS ADVANCE INFORMATION RESPECTING CONTRACTS OPEN TO TENDER, AND TO ARCHITECTS, ENGINEERS, MUNICIPAL AND OTHER CORPORATIONS, A DIRECT MEDIUM OF COMMUNICATION WITH CONTRACTORS.

ITS MERIT: ECONOMICAL AND EFFECTIVE SERVICE.

Vol. 2.

Toronto and Montreal, Canada, June 6, 1891.

No. 17

THE CANADIAN CONTRACT RECORD,

A Weekly Journal of Advance Information and Public Works.

PUBLISHED EVERY SATURDAY

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,

14 KING ST. WEST, TORONTO, CANADA.
Telephone 2362.

64 Temple Building, Montreal.
Bell Telephone 2299.

Information from any part of the Dominion regarding contracts open to tender, sent exclusively to this journal for publication, and not elsewhere published, will be liberally paid for.

ADVERTISING RATES ON APPLICATION.

At its Convention held in Toronto, Nov. 20 and 21, 1880, the Ontario Association of Architects signified its approval of the CANADIAN CONTRACT RECORD, and pledged its members to use this journal as their medium of communication with contractors with respect to advertisements for Tenders.

The following resolution was unanimously adopted at the First Annual Meeting of the Province of Quebec Association of Architects, held in Montreal, Oct. 10th and 11th, 1890: "Moved by M. Perrault, seconded by A. F. Dutilleul, that the Architects of the Province of Quebec now assembled in Convention being satisfied that the CANADIAN CONTRACT RECORD affords us a direct communication with the Contractors, resolved, that we pledge our support to it by using its columns when calling for Tenders."

The publisher of the "Canadian Contract Record" desires to ensure the regular and prompt delivery of this journal to every subscriber, and requests that any cause of complaint in this particular be reported at once to the office of publication. Subscribers who may change their address should also give prompt notice of same, and in doing so, should give both old and new address.

TENDERS

Will be received up to JUNE 13TH from all trades for the erection of Six Houses on Euclid Avenue. For particulars apply GEO. M. MILLER, Architect, 1 Queen Street East, Toronto.

TENDERS

Will be received until SATURDAY, 13TH JUNE, for the erection of Two Residences in Cole St. Antoine. Plans and specifications may be seen at my office on and after Tuesday, and inst. The lowest or any tender not necessarily accepted.
R. FINDLAY, Architect, Montreal.

TO CONTRACTORS.

A young man having a good business training and is competent to keep books, make out time sheets, figure quantities and take off plans, wants a situation; is sober, industrious, and not afraid of work. A reasonable salary will be accepted. Apply Box 55, this office.

TENDERS WANTED.

Tenders will be received at the office of the undersigned until SATURDAY, 13TH INST., 1891, for Four Houses to be erected on Ontario Avenue for Messrs. Whitley Bros. The lowest or any tender will not necessarily be accepted.

CHRIS. CLIFT, Architect,
18 1/2 St. James St., Montreal.

TENDERS

For Four CUI STONE FRONT HOUSES on Favard Street and Ash Avenue received until THURSDAY, 11TH INST. For plans, etc. apply to the Architect.

WM. H. HODSON,
45 1/2 St. Antoine St., Montreal.

TENDERS WANTED.

The Dissident School Trustees of St. Henri, Montreal, invite tenders for the various artificers' works required in the erection of new "Princy Albert" school. Plans and specifications are on view at the office of the Architect, Wm. E. Doran, 85 St. James Street, where tenders are to be delivered on or before Tuesday, June 16th, at noon.

The Trustees do not bind themselves to accept the lowest or any tender.

THOS. BEDFORD, Secretary.

LOCAL IMPROVEMENT

SPADINA ROAD.

Tenders will be received by the undersigned, for the Corporation of the Township of York, County York, for building a large WOODEN BRIDGE, about 270 feet in length and about 30 feet high, on Spadina Road at Wells Creek Ravine, south of St. Clair Avenue.

Plans, specifications and bills of materials can be seen and tenders received at the office of the undersigned from the 6th to 5 o'clock p. m. on the 20TH DAY OF JUNE, 1891.

The lowest or any tender not necessarily accepted.

PETER S. GIBSON, C.E. & P.L.S.,
York Township Engineer.

Willowdale, County York,
3rd June, 1891.



NOTICE TO CONTRACTORS.

Tenders for Dundas Street Bridges.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to Eleven o'clock a.m. of the 16TH JUNE, 1891, for the following works:

FOR THE SUPPLY AND ERECTION OF THE MASONRY AND STEEL WORK

OF THE

DUNDAS STREET BRIDGES.

Plans can be seen and forms of tender obtained on and after June 6th inst., at the City Engineer's office.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for under \$1,000 and 2 1/2 per cent. over that amount, must accompany each and every tender, otherwise it will not be entertained.

All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications), or they will be ruled out as informal.

The committee do not bind themselves to accept the lowest or any tender.

JOHN SHAW,
Chairman Committee on Works,
Committee Rooms, Toronto, June 5th, 1891.

TENDERS WANTED.

Tenders will be received at the office of the undersigned until SATURDAY, 13TH JUNE, 1891, for Two Houses to be erected on Sanguinet Street for Mr. Ed. Parent. The lowest or any tender will not necessarily be accepted. Contractors will be required to furnish satisfactory evidence of their ability, financial and otherwise, to properly execute the work.

J. H. BERNARD, Architect,
No. 4 St. Lawrence St., Montreal.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to eleven o'clock a.m. of the 16TH JUNE, 1891, for the following works:

ASPHALT PAVEMENT

On Sherbourne Street, from south drive to north end.

CEDAR BLOCK PAVEMENTS

On Harris Street, from Queen Street to Paul Street.
On Bismarck Avenue, from Gwynne Street to eastern terminus.

Howard Park Avenue, from Dundas Street to Roncesvalles Avenue.

Plans can be seen and forms of tender obtained on and after June 9th inst., at the City Engineer's office.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for under \$1,000, and 2 1/2 per cent. over that amount, must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications) or they will be ruled out as informal.

The Committee do not bind themselves to accept the lowest or any tender.

JOHN SHAW,
Chairman Committee on Works.

Committee Room, Toronto, May 29th, 1891.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to Eleven o'clock a.m. of the 16TH JUNE, 1891, for the following works:

ASPHALT PAVEMENTS

On Bay Street, from King Street to Queen Street

CEDAR BLOCK PAVEMENTS

On Christie Street, from Thorn Street to Melville Street.

On Vernon Street, from Bathurst Street to Manning Avenue.

On East Street, from First Avenue to South Ave.

On Walmer Road, from Castle Avenue to Bernard Avenue.

On Woodland Avenue, from Mr. McDonald's fence to the brow of the hill.

CONCRETE SIDEWALK

On Gerard Street, both sides, 6 feet in width, from Jarvis Street to Sherbourne Street.

Plans can be seen and forms of tender obtained on and after June 9th inst., at the City Engineer's office.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for under \$1,000, and 2 1/2 per cent. over that amount, must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications), or they will be ruled out as informal.

The Committee do not bind themselves to accept the lowest or any tender.

JOHN SHAW,
Chairman Committee on Works.

Committee Room, Toronto, June 3rd, 1891.

TENDERS

Will be received until **TUESDAY, JUNE 16TH**, for the erection of a House on Shuter Street, Toronto.

GORDON & HELLIWELL, Architects,
26 King Street East.

TENDERS WANTED

For the Construction of a Water Works System for the Town of Springhill, N. S.

Offers will be received up to the 15TH DAY OF JUNE, 1891, at 6 p.m., for the construction of a WATER WORKS SYSTEM for the town of Springhill, N. S., for domestic, fire and other uses, upon the basis of certain plans, specifications and terms to be seen at the office of the undersigned, to whom tenders will be addressed under seal and marked "Tender for Water Works." The usual right is reserved of rejecting any or all offers, or accepting subject to limitations or changes in the pipe line or otherwise, as may be found advisable.

By order, **DANIEL MCLEOD**,
Town Clerk.

Springhill, May 21, 1891.

CONTRACTS OPEN.

NEWBORO, ONT.—The ratepayers have decided to erect a High School building.

OAKVILLE, ONT.—An electric light by-law has received the approval of the ratepayers.

INGERSOLL, ONT.—The congregation of St. Paul's Church have decided to enlarge the church.

STRATFORD, ONT.—The Board of Trade is considering means for securing improved fire protection.

FORT WILLIAM, ONT.—Mr. John McLaurin is preparing to erect a new brick block on the river side.

REGINA, N. W. T.—A by-law has been carried by the ratepayers to raise the sum of \$20,000 for drainage purposes.

ROCKVILLE, ONT.—The church wardens of St. Paul's Church have called for tenders for the erection of a Sunday School building.

PETERBOROUGH, ONT.—The County Council gives notice of its intention to pass a by-law to raise the sum of \$20,000 for the construction of bridges.

WINNIPEG, MAN.—The Baptists have purchased two lots on the corner of Cumberland and Charlotte streets on which to erect their proposed new edifice.

SOURIS, MAN.—Messrs. Smith & Sheriff are talking of erecting an implement warehouse opposite the post office and finishing the upper storey for a public hall.

COLLINGWOOD, ONT.—Mr. Fred. T. Hodgson, architect, invites tenders until noon of the 11th inst., for the completion of the superstructure of a block of brick stores.

BRANDON, MAN.—A by-law will shortly be submitted to the people to raise the sum of \$45,000 for the purchase of a site and the erection thereon of a new school building.

FALKENBURG, ONT.—Mr. Naismith, chairman of the Public School Board of the Township of Macauley, will receive tenders until the 15th inst. for the erection of a school building.

HAMILTON, ONT.—Mr. S. S. King intends erecting a two storey frame dwelling on Dundurn street. An asphalt pavement will be constructed on West avenue, at a cost of about \$4,000.

BRANTFORD, ONT.—The congregation of Zion Church have decided to establish a mission in the North Ward, and are asking for the sum of \$5,000 with which to erect a building suitable for the purpose.

KINGSTON, ONT.—The sum of \$17,500 has been subscribed to the Y.M.C.A. building fund.—Mr. J. B. Reid, architect, is asking for tenders for the several trades required in making certain alterations to the city buildings.

PICKERING, ONT.—The Council wants tenders for the construction of two wood, combination or iron bridges, one of 36 and one of 50 feet span. Tenders to be accompanied by plans and speci-

fications.—The corner stone of a new Presbyterian Church was laid here during the last week.

MOOSMIN, N. W. T.—Mr. R. D. McNaughton intends building a large stone store and public hall on the corner of Front and Carleton streets.—The town council will submit a by-law to borrow \$5,000 for street improvements.—Mr. Geo. Campbell is about to erect a fine residence on South Main street.

HALIFAX, N. S.—At a combined meeting of the Board of Trade and City Council, it was resolved to offer the Dominion Government the right of way into the city for the extension of the Atlantic Railway as far as Cornwallis street, for the sum of \$350,000.—The city council is advertising for a suitable site for the erection of an Inebriates Home.

SPRINGHILL, N. S.—The town in this number of the RECORD invites tenders for the construction of a water works system. The length of mains required is 3 miles, and branches a miles. The probable cost is \$65,000. Messrs. Rickett & Yorston, New Glasgow, N.S., will be in charge of the work. Contracts will probably be awarded about the 30th inst.

NEW WESTMINSTER, B. C.—Plans have just been completed for the erection of a new central public school, to be erected on the site of the old building. The estimated cost of the building is \$20,000.—The Masonic and Oddfellows' lodges have decided to erect a new building on the site of the Masonic Hall recently destroyed by fire, the building to be used jointly by the societies.

TORONTO JUNCTION.—The Council has decided to proceed with the construction of sewers in accordance with the plans of Messrs. Kinchling and Chipman, as far south as Bloor street. Application will be made to the Ontario Government for power to continue the outlet into the Humber Bay, which right the town claims. Failing in this, the sewerage will be treated at the point first named either by a system of clarification or other means.

GUELPH, ONT.—Mr. E. R. Bollert will receive tenders until the 9th inst. for the erection of a brick dwelling in this city. Plans to be seen at the store of Mr. Bollert.—Whole tenders are invited for the erection of a two storey brick house for Mr. Peter Kerr, on the corner of Berlin and Yorkshire streets.—The trustees of School Section No. 43, invite tenders until the 15th inst. for the erection of a brick dwelling house. Mr. James Anderson will furnish particulars.

LONDON, ONT.—Messrs. Jones & McBride, architects, are preparing plans for the remodelling of the Spetigue Hall, making two stores on the ground floor and converting the upper flats into offices. They are also preparing plans for the erection of a residence on the old Salvation Army site on King street for Mr. R. Henston, and a large extension to the premises of Messrs. Robinson, Little & Co. The firm also invite tenders for the brick and carpenter work, plastering and painting required in making certain alterations to the Albert Block.—Wm. West is erecting a new brick house on Craig street.—A Committee has been appointed by the Board of Education to report on the expediency of erecting an addition to the school house on Wharfedale Road.—The City Engineer invites tenders until the 15th inst. for the stone and other work required in building stop log opening in water works dam; also for tile drains on Wellington, Hymian and Richmond streets and a sewer on William street.

OTTAWA, ONT.—In addition to the revote of \$74,000 for the Trent Valley Canal, the Dominion estimates contain the following items: Towards the construction of swing bridge at Bobcaygeon, \$3,000, towards building one pair of lock gates and hanging, \$1,000; towards the building of four lock offices, \$1,000.—The petition of Sir Donald A. Smith, W. C. Van Horne, R. B. Angus, T. G. Shaughnessy and G. M. Clarke, of Montreal; G. R. Harris, of Boston, and Hon. R. M. Wells, of Toronto, has been presented to the House of Commons, praying for incorporation of the New York & Ontario Bridge Co., with

power to construct a railway bridge across the Niagara river at or near the town of Niagara Falls, and to amalgamate with any company incorporated in the United States.—The supplemental estimates just brought down contain the following appropriations: Canals,—Beauharnois, \$1,050; Trent Valley, \$5,000; St. Peter's, \$10,000; Welland (filling a pond at St. Catharines), \$1,849; Chambly, \$5,000; Rideau, \$3,375. Departmental buildings.—Ottawa, \$8,990; Lindsay post-office, \$867; Walkerton post-office, \$7,500; Prescott post-office, \$700; Government Printing Bureau, \$1,000; Cobourg post-office, \$1,152. The total amount asked for under this heading is \$44,033. Southampton gets \$1,600 for repairs to the breakwater.

TORONTO, ONT.—Tenders are shortly to be asked for the erection of an addition to the Floral hall in the Exhibition grounds, the cost not to exceed \$4,000.—The following building permits have been granted: Neil Currie, six att. 2-storey and attic b. f. dwellings, n. side Sydenham St., nr. Sackville St., cost \$5,100; Weller & Co., five att. 2-storey and attic bk. dwellings, n. side Douro St., w. of Bathurst St., cost \$5,000; Wm. Lea, five att. 2-storey and attic bk. dwellings, w. side Sherbourne St., s. of Britain St., cost \$12,000; Wm. Cathcart, three 2-storey and mansard b. f. dwellings, e. side Lippincott St., s. of Bloor, cost \$4,500; Mrs. Pontler, three att. 2-storey bk. casel dwellings, w. side Palmerston Ave., n. of Bloor, cost \$3,300; E. E. Pike, pr. s. d. 2-storey and attic bk. dwellings, e. side Shaw St. n. of Arthur, cost \$8,000; R. Hayes, det. 2-storey and attic bk. dwelling, e. side Manard Ave., cost \$7,000; Samuel Young, pr. s. d. 2-storey and attic bk. dwellings, w. side Bedford Rd., n. of Lowther Ave., cost \$7,500; Wm. Tedford, three att. 2-storey and attic bk. clad dwellings, n. side Cumberland St., nr. Avenue Rd., cost \$4,500; Mrs. Sarah Jane Hill, det. 2-storey and attic bk. dwelling and stable in rear, n.e. cor. Sylvan and Gladstone Aves., cost \$5,000; three det. 2-storey and attic bk. dwellings, with stables in rear, w. side Dovercourt Rd., s. of Hepburne St., cost \$14,400; two det. 2-storey and attic bk. dwellings, w. side Concord Ave., s. of Bloor, cost \$8,000; R. Barron, pr. s. d. 2-storey and attic bk. dwellings, with stables in rear, Czar St., nr. St. Nicholas St., cost \$5,000; Mrs. Mary McClelland, two pr. s. d. 2-storey and attic bk. dwellings, n. side St. Patrick St., nr. Kensington, cost \$20,000; P. Phillips, large warehouse, n. side Richmond St., e. of Church, cost \$15,000; Frederick Armstrong, five att. 2-storey and attic bk. dwellings, n. side Shuter St., e. of George, cost \$20,000.—A 16 foot Excelsior sidewalk is to be laid on the north side of College street, from Borden street to Palmerston avenue, at a cost of \$8,500.—Tenders are wanted by the Superintendent of School Buildings, for the necessary repairs required to be made during the present season.

MONTREAL, QUE.—A wealthy lawyer is understood to have purchased the lot on the corner of Sherbrooke street and Cote des Neiges Road, and will shortly erect thereon a fine residence.—The report of the Road Committee asking for \$15,000 to complete the grading on Pine avenue and \$20,000 to complete the intercepting sewer, has been adopted by the city council. A report has also been presented to the city council asking for the adoption of electricity as the motive power and to make further enquiries into the construction and cost of elevated railways.—A meeting was recently held of the mayors and delegates of the municipalities of the counties on the south shore of the St. Lawrence river, with the object of pressing the Government to continue the Intercolonial railroad to this city by the south shore, and to aid the construction of a general traffic bridge from Longueuil to Montreal.—New tenders are asked for the construction of asphalt pavements on various streets, a list of which appeared in the RECORD of last week.—The city council has notified the ratepayers of its intention to construct sewers on the following streets: St. Denis, from Craig street to St. Catherine street; St. Helen, from Lemoine street to

Recollet street; Lemoine, from St. Peter street to McGill street; Lagauchetiere, from St. Denis street to Sanguinet street; Lagauchetiere, from German street to St. Elizabeth street; Mullins, from Shearer street to Hibernia Road; Notre Dame, from St. David's Lane to Dupre Lane; Panet, from Lagauchetiere street to St. Catherine street; Papineau, from Mignonne street to Lafontaine street; Recollet, from St. Peter street to McGill street; Richmond square, from Richmond street to St. Antoine street; Sherbrooke, from Maple street to Jacques Cartier street; Sherbrooke, from St. Lawrence street to St. Urban street; Sherbrooke, from St. Hubert street to St. Andre street; Sherbrooke, from Visitation street to Champlain street; Vitre, from St. Dominique street to St. Urban street.—Tenders are invited until the 12th inst., by Jno. J. Robson, secretary, for plumbing work required for the Royal Victoria hospital.—The removal of St. Anne's market, and the erection of a new fire station on a portion of the site is being advocated by Ald. Clendenning.—The building committee of the Montreal Exhibition Association has decided to instruct its architect to prepare specifications for necessary improvements to the buildings. Tenders will also be asked for the drainage of the grounds. Surveys are being made for the bridge which is soon to be built across the St. Lawrence from Montreal to Longueuil.—The Chairman of the Water Committee has been instructed to advertise for tenders for special castings and iron pipe.—The Roman Catholic school commissioners of St. Henri have obtained a loan of \$30,000 with which to erect a new college on St. Peter street, opposite St. Henri Church.

CONTRACTS AWARDED.

KINGSTON, ONT.—Mr. Geo. Wilson has been awarded the contract for new Oddfellows' building. The total cost, including site, is \$26,000.

HALIFAX, N. S.—The contract for the erection of the new Oddfellows' Hall has been awarded to Mr. S. A. Marshall. The cost of the new building, including site, will be about \$22,000.

MOSA, ONT.—Mr. Hopkins, of Glencoe, has secured the contract for the erection of the new Presbyterian church here, at the sum of \$5,900, the congregation to furnish sand and gravel.

SMITH'S FALLS, ONT.—Contracts for the erection of the McCallum box have been let as follows: Excavating and masonry, H. Allen; carpentry, W. B. Taylor; Mr. Lougheed; plumbing, tinning, etc., R. Hawkins.

MONTREAL, QUE.—The contract for supplying terra cotta and 300,000 pressed brick for the Montreal General Hospital, has been given to T. A. Morrison & Co., Agents for The Ontario Terra Cotta & Pressed Brick Co., of Toronto.

TORONTO JUNCTION, ONT.—The Fire, Light and Police Committee has recommended acceptance of the following tenders: W. Morrison, chemical engine and hose waggon, \$2,500; John Marr, electric light building, \$2,150; John Perkins, engine and boiler for electric light plant, \$3,180.

WINNIPEG, MAN.—N. D. McDonald & Co., plumbers, of this city, have been awarded the contract for the construction of water works at Kamloops, B. C., the amount of tender being about \$11,000. They have also secured the contract for the plumbing and steam heating of the extensive new addition to the Alberta Hotel at Calgary, N.W.T.

Messrs. H. R. Ives & Co., having secured the services of a competent man of long experience in the manufacture of stoves and hardware, are re-opening their extensive works at Longueuil, and will be in the market this fall with a full line of their new celebrated "Buffalo" stoves and ranges. Their city works are fully occupied with architectural iron work for the Royal Victoria Hospital, McGill College, Workman and McDonald buildings, and various public and private buildings for the city and for the City Hall, Toronto.

USEFUL HINTS.

It is stated copper piping when hot has an injurious effect upon any india-rubber tubing with which it may come in contact.

A good cement for joining parts of apparatus, &c., permanently solid and waterproof, and which resists heat, oils and acids, is made by mixing concentrated syrupy glycerine with finely powdered litharge to a thick, viscid paste, which is applied like gypsum. Glass, metal and wood can be cemented together by it.

DANGEROUS BRIDGE FOUNDATIONS.

It is related that in sinking cylindrical iron bridge piers in Brazil, one of them had gone down 40 feet in impermeable white clay when, after it had stood dry several hours since pumping, a man went down to dig and was suffocated, presumably by carbonic acid gas, which also overcame a companion who attempted to rescue him, so that both died and were brought up by a diver.

TO KEEP VARNISH CLEAN AND BRIGHT.—Workers at various trades know that varnish made with alcohol will get dull and spongy by the evaporation of the alcohol, which leaves water in the varnish as all commercial alcohol contains water. It is, therefore, advisable to take a thin sheet of gelatine, cut it into strips, and put it into the varnish; it will absorb in the thin sheet most of the water, and the varnish can be used clear and bright till the last drop. It can then be taken out and used again.

Prices of Building Materials.

LUMBER.

CAR OR CARGO LOTS.	
1 1/2 and thicker clear picks, Am. ins.	\$30 00 @ 32 00
1 1/2 and thicker, three uppers, Am. ins.	37 00
1 1/2 and thicker, pickings, Am. ins.	27 00
1 x 10 and 12 dressing and better.	18 00 20 00
1 x 10 and 12 mill run.	13 00 14 00
1 x 10 and 12 dressing.	14 00 16 00
1 x 10 and 12 common.	12 00 13 00
1 x 10 and 12 spruce culls.	10 00 11 00
1 x 10 and 12 maple culls.	9 00
1 inch clear and picks.	28 00 30 00
1 inch dressing and better.	18 00 20 00
1 inch siding, mill run.	14 00 16 00
1 inch siding, common.	11 00 12 07
1 inch siding, ship culls.	\$10 00 \$11 00
1 inch siding, mill culls.	8 00 9 00
Cull scantling.	8 00 9 00
1 1/2 and thicker cutting up plank.	22 00 25 00
1 inch strips, 4 in. to 8 in. mill run.	14 00 15 00
1 inch strips, common.	11 00 12 00
1 1/2 inch flooring.	14 00 15 00
1 1/2 inch flooring.	14 00 16 00
XXX shingles, sawn.	2 30 @ 2 35
XX shingles, sawn.	1 30 1 35

Metallic Roofing Co. of Canada:

	Per Square.
Eastlake steel shingles (galvanized).	\$7 25 to \$5 75
Eastlake steel shingles (painted).	3 75 4 00
Improved Broad Rib Roofing, (galvanized).	5 00 5 75
Improved Broad Rib Roofing (painted).	3 50 4 00
North Western steel siding (painted).	3 25 3 50
Manitoba steel siding (painted).	3 25 3 50
Metallic Finished Brick.	3 25 3 50
Tower or Mansard shingles, (galvanized).	6 25
Tower or Mansard shingles (painted).	4 50
Metallic Terra Cotta Tiles.	7 00
Price of Copper shingles according to weight, and "Hayes" Patent Metallic Lathing according to quantity.	

Canada Galvanizing & Steel Roofing Co.:

Corrugated Iron, galvanized, 26 W.G., per lb.	5 cts.
Corrugated Iron, galvanized, 28 W.G.	5 1/2
Corrugated Iron, painted, 26 W.G., per square.	4 00
Corrugated Iron, painted, 28 W.G., per square.	3 50
Broad Rib Roofing, galvanized, per square.	5 50
Broad Rib Roofing, painted.	4 00
Westlake shingles, steel, galvanized, per square.	5 00
Westlake shingles, steel, painted.	3 50
Standard shingles, "Walter's patent," galvanized, per square.	5 50
Standard shingles, "Walter's patent," painted.	4 00
Northwestern steel siding, patented, per square.	3 50
Metallic Finish Brick, per square.	3 25
Metallic Finish Clapboard, per square.	3 50

YARD QUOTATIONS.

Mill cull boards and scantling.	10 00
Shipping cull boards, promiscuous widths.	13 00
Shipping cull boards, stocks.	11 00
Hemlock cantling and joist up to 16 ft.	11 00 14 00
" " " 18 "	12 00 14 00
" " " 20 "	13 00 14 00
Scantling and joist, up to 16 ft.	14 00
" " " 18 "	15 00
" " " 20 "	17 00
" " " 22 "	19 00
" " " 24 "	21 00
" " " 26 "	23 00
" " " 28 "	25 00
" " " 30 "	27 00
" " " 32 "	29 50
" " " 34 "	31 00
" " " 36 "	33 00
" " " 38 "	35 00
" " " 40 to 44 ft.	37 00
Cutting up planks, 1 1/2 and thicker, dry board.	25 00 26 00
Cedar for block paving, per cord.	18 00 22 00
Cedar for Kerbing, 4 x 14, per M.	5 00 14 00

B. M.

1 1/2 inch flooring, dressed, F. M.	28 00 31 00
1 1/2 inch flooring rough, B. M.	18 00 23 00
1 1/2 " " dressed, F. M.	25 00 28 00
1 1/2 " " undressed, B. M.	18 00 19 00
" " " dressed.	18 00 22 00
" " " undressed.	12 00 15 00
Beaded sheeting, dressed.	22 00 25 00
Clapboarding, dressed.	17 00
XXX sawn shingles, per M, 16 in.	2 65 3 75
Sawn lath.	2 00 2 20
Red oak.	30 00 40 00
White.	15 00 45 00
Basswood, No. 1 and 2.	18 00 20 00
Cherry, No. 1 and 2.	70 00 70 00
White ash, No. 1 and 2.	25 00 25 00
Black ash, No. 1 and 2.	20 00 30 00
Dressing stocks.	16 00 22 00
Picks, American inspection.	40 00
Three uppers, American inspection.	50 00

BRICK—B. M.

Common Walling.	\$7 50
Good Facing.	9 00
Sewer.	8 50 9 00

Pressed Brick:

Plain brick, f. o. b. at Milton, per M.	\$18 00
" " " and quality, per M.	14 00
" " " 3rd.	10 00
Hard Building.	8 00
Moulded and Ornamental, per 100.	\$3 to 10 00
Roof Tiles.	24 00
Diamond locking tile.	16 00
First quality, f. o. b. at Campbellville, per M.	18 00
and " " " "	14 00
3rd " " " "	11 00
Ornamental, per 100.	\$3 to 10 00
Tiles.	24 00

Stone.

Common Rubble, Per Toise, delivered.	14 00
Large flat " " Cubic Foot.	18 00
Foundation Blocks, " "	50

Slate: Roofing (per square).

" red.	18 00
" purple.	9 00
" unslating green.	9 00
" black slate.	7 75
Terra Cotta Tile, per sq.	21 00
Ornamental Black Slate Roofing.	3 25

Sand:

Per Load of 1 1/2 Cubic Yards.	1 25
--------------------------------	------

PAINTS. (In oil, per lb.)

White lead, Can.	6 25 6 50
" zinc, Can.	6 50 7 50
Red lead, Eng.	5 50 6 50
" venetian.	1 60 1 75
" vermilion.	90 1 00
" Indian, Eng.	10 12
Yellow ochre.	5 10
Yellow chrome.	15 20
Green, chrome.	7 12
" Paris.	55 40
Black, lamp.	12 25
Blue, ultramarine.	14 20
Oil, linseed, raw (per gallon).	68 72
" " " boiled.	72 75
" " " refined.	28 85
Putty.	2 1/2 2 1/2
Whiting, dry.	75 1 00
Paris white Eng., dry.	90 1 25
Litharge, Am.	6 1/2 8
Sienna, burnt.	15 20
Umber.	8 1/2 12

CEMENT, LIME, etc.

Lime, Per Barrel of 2 bushels, Grey.	40
" " " White.	55
Plaster, Calcined, New Brunswick.	2 00
" " " Nova Scotia.	2 00
Hair, Plasterers', per bag.	1 00
Cement, Portland, per bbl.	3 00 3 50
" Thorold.	1 50
" " " " " " " "	1 50
" " " " " " " "	1 50
" " " " " " " "	1 50

HARDWARE.

Cut Nails:	
American Pattern, 1 1/2 inch, per keg.	4 30
" " " 1 1/2 to 1 3/4 inch, per keg.	3 55
Canadian Pattern, 1 1/2 inch, per keg.	3 80
" " " 1 1/2 to 1 3/4 inch, per keg.	1 30
" " " 2 to 2 1/2 inch, " "	2 30
" " " 2 1/2 to 3 inch, " "	3 50
" " " 3 inch and larger.	7 40
Steel nails 100c. per keg extra.	
Finishing nails, 1 inch, per keg.	5 50
" " " 1 1/2 inch.	4 80
" " " 2 inch.	4 25
" " " 1 1/2 " " and larger.	3 95
" " " " " " " "	2 90

MONTREAL PRICES.

Lumber, Etc.		
Ash, 1 to 4 in. M.	\$13 00	18 00
Birch, 1 to 4 in. M.	15 00	25 00
Basswood	15 00	30 00
Walnut, per M.	50 00	100 00
Bitternut, per M.	22 00	40 00
Cedar, flat	20 04	00 06
Cherry, per M.	60 00	80 00
Elm, Soft, 1st	15 00	17 00
Elm, Rock	25 00	30 00
Maple, hard, B.	40 00	25 00
Maple, Soft	16 00	18 00
Oak, M.	40 00	95 00
Pine, select, M.	35 00	40 00
Pine, 2nd quality, M.	20 00	25 00
Shipping Culls	13 00	16 00
Mill Culls	8 00	10 00
Lath, M.	1 50	1 90
Spruce, 1 to 2 inch, M.	10 00	12 00
Spruce Culls	4 50	6 00
Shingles, 1st quality	2 00	3 00
and "	1 25	1 50
Cement, etc.		
Portland Cement, per barrel	\$ 2 70	3 00
Roman "	2 75	3 00
Fire Bricks, per M.	20 00	30 00
Cut Nails:		
Hot-cut Am. or Can. pattern, 3 inch and above	75	\$2 85
Hot-cut Am. or Can. pattern, 2 1/2 inch and above	3 00	3 25
Hot-cut Am. or Can. pattern, 2 1/4 and 2 inch	3 25	4 20
Am. pattern, 1 1/2 and 1 3/4 inch hot-cut	3 50	5 60
1 1/2 inch	4 25	5 20
Can. Pattern, cold-cut, 1 1/2 and 1 3/4 inch	3 25	4 45
1 1/2 inch	3 75	4 95
Finishing Nails, per 100 lb. keg, 1 1/2	75	cents
Finishing Nails, per 100 lb. keg, 1 1/4		advance on
to 1 1/2 inch		Hot-Cut
and 1 1/2 inch		Nails.
Finishing Nails, per 100 lb. keg, 2 inch and up		
Paints, etc.		
White Lead, pure, 25 to 100 lb. kegs.	6 50	7 00
No. 1	5 25	5 50
No. 2	4 50	5 00
No. 3	4 00	4 50
dry	5 25	5 75
Venetian Red, English	1 50	1 75
Yellow Ochre, French	1 25	3 00
Whiting, London, washed	0 50	0 65
Paris	1 15	1 25
Oils:		
Linseed, raw	0 63	0 55
" boiled	0 66	0 68
Olive, pure	1 10	1 15
" machinery	95	1 05
" extra, qt., per case	3 00	3 25
" pts.	2 50	2 60
" 1/2 pts.	2 75	3 10
Spirits turpentine	0 67	0 70

BUILDERS' SUPPLIES.	
Adamant Mfg. Co.	II
Adamson, Joseph	I
Morrison & Co., T. A.	IV
Maguire, William	V
McNally & Co.	VII
Rathbun Co.	VIII
Vokes, M. & J. L.	IX
CRUMENTS.	
Adamant Mfg. Co.	VIII
McNally & Co., Wm.	VII
Maguire, William	V
McRae & Co.	IV
Morrison & Co., T. A.	IV
Rathbun Co.	VIII
Terry, Edward	IX
Vokes, M. & J. L.	IX
Wright & Sons, C. B.	IV
CHURCH AND SCHOOL FURNITURE.	
Canadian Office & School Furniture Co.	II
Office Specialty Co.	XII
Pennington & Baker	X
CHIMNEY TOPPING.	
Hansen, Harold M.	V
CONSULTING ENGINEER.	
Barry, A. B.	II
CONTRACTORS AND BUILDERS.	
Andrews, Francis	II
Annes, James	VI
Davidson & Kelly	II
Dick, James, sr.	VI
Dagenais, J. Benjamin	VI
Hood & Co., C.	II
Hancock, Thomas	II
Humphrey, T. R.	II
Hamilton, Edward	VI
Lyall, Peter	III
Mortimore, Geo. T.	II
Murison & Co., John	VI
Thomas & Howell	II
Turner & Co., G. W.	VI
Webb & Claxton	II
CUT STONE CONTRACTORS.	
Curtis & Rowe	II
Hibbard, H. & T.	II
Isaac Brothers	II
Oakley & Holmes	II
ELECTRIC LIGHTING.	
Anderson & Co., A. T.	VII
Royal Electric Co.	I
The Keegans-Milne Co.	IX
ELEVATORS.	
Ives & Co., H. R.	IV
Leach & Turnbull	I
ENGRAVERS.	
Canadian Photo-Eng. Bureau	VIII
Kramer, W. J.	IX
Wiseman, James L.	VII
FIRE BRICK AND CLAY.	
Colman-Hamilton Co.	III
Wright & Sons, C. B.	IX
GALVANIZED IRON WORKS.	
Baird Bros.	X
Douglas & Co., John	X
Hedges & Lankin	VII
Ormsby, A. B.	XVI
Tucker & Dillon	VII
GRATES AND TILES.	
Earl & Co., Edward	XIII
Holbrook & Mollington	XII
Rice Lewis & Son	IV
Wright & Sons, C. B.	IV
HEATING.	
Clare Bros. & Co.	XVI
Garth & Co.	XV
Gurney Co., E. & C.	XI
Howard Furnace Co.	XII
King & Son, Warden	XVI
McClary Mfg. Co.	XII
Miller Bros. & Tomis	XII
Ormsby, A. B.	XVI
Pease Furnace Co.	IX
Toronto Radiator Mfg. Co.	XIV
Waterous Engine Works Co.	XIV
IRON FENCES.	
Ives & Co., H. R.	IV
Toronto Drop Forge Co.	II
LIME AND STONE.	
Wright & Sons, C. B.	IV
IRON PIPE.	
Ives & Co., H. R.	IV
LEGAL.	
Denton & Dods	III
MANTELS AND OVERMANTELS.	
Earl & Co., Edward	XI
METALLIC LATH.	
B. Greening Wire Co.	IV
Metallic Roofing Co.	II
MINERAL WOOL.	
Gast & Aichison	XIV
ORNAMENTAL PLASTERERS.	
Baker, J. D.	III
Hynes Terra Cotta & Brick Co.	III
Littleford & Thorne	III
Wright, Jas.	III
PAINTERS.	
Dill & O'Hearn	II
Gilmor & Cusey	II
Hatch, W. J.	II
Polito, T.	II
Taylor, W. J.	II
PAINTS, VARNISHES, &C.	
Muirhead, Andrew	XVI
PAVING.	
Excelsior Pavement Co.	IX
Forsyth, Robert	X
Gardner & Co., A.	IV
PLASTERERS.	
Fox, R. B.	II
Hynes, W. J.	II
Littleford & Thorne	II
Watson Bros.	II
PLATE GLASS.	
McCausland & Son	V
Toronto Plate Glass Importing Co.	VII
PLUMBERS.	
Bennett & Wright	III
McCormac & Watson	VI
PLUMBING SUPPLIES.	
Booth & Son	IV
Garth & Co.	XV
Malcolm, W. B.	I
Sanitas Mfg. Co.	V
St. Johns Stone Chinaware Co.	III
ROOFING MATERIALS.	
Canada Galvanizing & Steel Roofing Co.	II
Merchant & Co.	III
Metallic Roofing Co.	II
ROOFERS.	
Baird Bros.	V
Duthie & Sons, G.	II
Forbes, Duncan	II
Metallic Roofing Co.	II
Hudson, W. D.	II
Ormsby, A. B.	XII
Rennie & Son, R.	II
Saulter, Wm.	II
Shales, John H.	II
Stewart, W. T.	II
Toronto Roofing Co.	II
Williams & Co., H.	II
SHINGLE STAIRS.	
Cabot, Samuel	XVI
SANITARY APPLIANCES.	
Booth & Son	IV
Earl & Co., Edward	XIII
Sanitas Mfg. Co.	V
Ives & Co., H. R.	IV
Malcolm, W. B.	I
St. Johns Stone Chinaware Co.	III
SEWER PIPE.	
Hamilton and Toronto Sewer Pipe Co.	IV
McNally & Co., W.	VII
Maguire, William	V
McRae & Co.	IV
Terry, Edward	IV
The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co.	VII
The Colman-Hamilton Co.	III
Vokes, M. & J. L.	IX
Wright & Sons, C. B.	IV
SLIDING BLINDS.	
Clatworthy, Geo.	X
STAINED AND DECORATIVE GLASS.	
Castle & Son	IV
W. C. Barnes, Son & Gilson	IV
Elliott & Son	I
Grimson, G. & J. E.	IV
Longhurst & Co., H.	IV
Lewis, R.	IV
McCausland & Son	V
Spence & Son, J. C.	V
The Bell Art Stained Glass Works	V
STENOGRAPHERS.	
Dixon, Nellie	VI
Holland Bros. & Urquhart	VI
TERRA COTTA.	
Morrison & Co., T. A.	IV
The Hynes Terra Cotta & Brick Co.	VIII
Toronto Pressed Brick & Terra Cotta Co.	III
The Ontario Terra Cotta, Brick & Sewer Pipe Co.	XI
TERRA COTTA FIREPROOFING.	
Rathbun Co.	VII
The Montreal Terra Cotta Lumber Co.	VIII
TOWER CLOCKS AND BELLS.	
Gillett & Johnston	II
WALL PAPER AND CEILING DECORATIONS.	
Elliott & Son	II
Murphy, John	IX

INDEX TO ADVERTISEMENTS

IN THE CANADIAN ARCHITECT AND BUILDER.

ADAMANT WALL PLASTER.	Page
Adamant Mfg. Co.	II
National Association	XV
ARCHITECTS.	
Ontario Directory	III
Quebec Directory	VI
ARCHITECTURAL SCULPTORS AND CARVERS.	
Carnovsky, B. H.	X
Hicks, W. Stevens	II
Holbrook & Mollington	XII
Mowbray, Thos.	II
Turner Frederic	II
Wagner, Zeidler & Co.	XIII
ARCHITECTURAL IRON WORK.	
B. Greening Wire Co.	IV
Ives & Co., H. R.	IV
The Dominion Bridge Co.	I
Whitfield, John	IV
ART WOODWORK.	
Wagner, Zeidler & Co.	XIII
BELLHANGER.	
Richardson, I. T.	III
BENT GLASS MANUFACTURERS.	
Polito, T.	II
BOYNTON WALL PLASTER.	
Boynton Wall Plaster Co.	
BUILDERS' HARDWARE.	
Aikenhead & Crombie	II
Rice Lewis & Son	IV
Vokes, M. & J. L.	IX
BRICKS (PRESSED).	
Hynes Terra Cotta & Brick Co.	VIII
Morrison & Co., T. A.	IV
Toronto Pressed Brick & Terra Cotta Co.	III
The Ontario Terra Cotta, Brick & Sewer Pipe Co.	VII
BUILDING STONE DEALERS.	
Brodie, James	II
Lyall, Peter	VI
Morrison & Co., T. A.	IV
Rathbun Co.	VIII