

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, October 3, 1891.

No. 34

## 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 2249.

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

### ADVERTISING RATES ON APPLICATION.

At its Convention held in Toronto, Nov. 20 and 21, 1889, 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. Dunlop, that we 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.



## NOTICE TO CONTRACTORS.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to 11 (eleven) o'clock a.m. on TUESDAY, OCTOBER 6TH, 1891, for the following works:

### CEDAR BLOCK PAVEMENT

On Clinton Street, from a point 473 feet south of Bloor Street to a point 418 feet southerly.

Plans can be seen and forms of tender obtained on and after Tuesday, 29th 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 2½ 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, Sept. 25th, 1891.

## TENDERS

Will be received at the office of the undersigned for all trades except carpenter's work required in the erection and completion of Two Dwelling Houses on Rose Avenue, Parkdale, until noon SATURDAY, 10TH OCTOBER. The lowest, or any tender not necessarily accepted.

STRICKLAND & SYMONS, Architects,  
18 Toronto Street, Toronto.

## TENDERS WANTED.

Tenders for all branches (except wood work) will be received up to WEDNESDAY, 7TH INST., for the erection of a Warehouse Building on Richmond-St. west. No tender necessarily accepted. Plans and specifications at the office of

GEO. CLATWORTHY,  
60 Adelaide St. West.

## TENDERS

Will be received by the undersigned until 12 o'clock noon on

### SATURDAY, THE 10TH INST.,

for the various works required in making additions and alterations to Buildings corner of King and Victoria Streets, Toronto.

The lowest or any tender will not necessarily be accepted.

GORDON & HELLIWELL, Architects  
26 King St. East.



## ASHBRIDGE'S BAY IMPROVEMENTS.

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

### WEDNESDAY, 31ST DAY OF OCTOBER

next, for the improvement of the sanitary condition of Ashbridge's Bay and the reclamation of the marsh lands adjacent thereto.

These lands comprise about 1300 acres, and are situated on Lake Ontario, within the limits of the City of Toronto, and will, when reclaimed, be valuable as sites for manufacturers of all kinds.

Terms, conditions and specifications for the proposed work have been adopted by the City Council. Copies can be obtained upon application at the office of the City Clerk. Plans of the works may be seen at the office of the City Engineer.

The consideration to be given by the city in payment for the works and improvements will be a lease of the strip of land along the south shore of Ashbridge's Bay and the land now known as the "Marsh" for a term of forty-five years free of rental; such lease to be renewable for a further term of twenty-one years, at a valuation to be determined by arbitration in the usual way.

### ALTERNATIVE TENDERS.

Parties who do not desire to tender upon the specifications adopted by the City Council may submit alternative tenders.

The lowest or any tender not necessarily accepted.

EDWARD HEWITT,

Chairman Ashbridge's Bay Committee.

City Hall, Toronto, October 1st, 1891.

## TENDERS

Will be received at my office until SATURDAY, 10TH INST., at noon, for the erection of a Double Cottage at East Toronto Village for the Industrial School Association.

No tender necessarily accepted

HENRY SIMPSON, Architect,  
9½ Adelaide St. East.

## USEFUL HINTS.

To polish nickel-plate goods after becoming black and not worn, use rouge and whitening on a rag with a little oil.

Brass may be colored black by repeatedly coating the cleansed metal with a moderately warm solution of nitrate of copper. Finally the tone is heightened by rubbing with oil.

The *Chronique Industrielle* gives the following receipt for taking off rust. Cyanide of potassium, 15 grammes (one gramme = 14½ grains); soft soap, 15 grammes, whitening, 30 grammes; sufficient water to form the ingredient into a paste.

When ordinary putty becomes very hard it may be softened for the purpose of easy removal by keeping it moist for a short time with caustic soda potash, or, if the putty be painted, with nitric or muriatic acid, it will be softened in about an hour.

To restore files and other cutting tools when blunt from use, clean thoroughly from grease or oil by using alkali, soda or potash. Then dip in solution made with 1 part nitric acid, 3 parts sulphuric acid, 7 parts water by weight, five seconds to five minutes, according to the fineness of cut. Then wash in hot water, dip in milk or lime; dry and oil.

An expert in such matters says he has found the following the best thing he has tried for making joints against fluid pressure: Five pounds Paris white, five pounds yellow ochre, ten pounds litharge, five pounds red lead, four pounds black oxide manganese. The whole is to be well mixed, and a little asbestos and boiled oil added. This, he says, soon becomes nearly as hard as the iron itself.

An improved lead-headed nail for use in putting on corrugated iron roofs has made its appearance in the market. The shank of the nail is round and sufficiently sharp at the point to enter the wood readily, and may be driven home in the usual way. The head flattens under the blows of the hammer, or, if preferred, a punch may be used which will give it a conical head. The lead of the head comes in contact with the sheet iron in such a way as to lessen the chance of leaking.

**CONTRACTS OPEN.**

**ARDEN, ONT.**—A cheese factory will be erected here.

**MAISONNEUVE, QUE.**—Tenders are invited for the installation of an electric light plant.

**NEPAWA, MAN.**—Mr. C. H. Mathers has decided to erect a brick block on Hamilton street.

**FREDERICTON, N. B.**—Asphalt pavements are to be constructed on a number of the streets next year.

**SARNIA, ONT.**—A syndicate of capitalists propose erecting a four storey hotel here, at a cost of \$150,000.

**LETHBRIDGE, N. W. T.**—A by-law has been carried granting the sum of \$10,000 for local improvements.

**LIVERPOOL, B. C.**—The Great Northern Railway Company intend to construct a round house and machine shop.

**WINNIPEG, MAN.**—Work has been commenced on the erection of the Church of the Immaculate Conception.

**MEAFORD, ONT.**—A project is on foot to extend the railway from the station to the dock. The estimated cost is \$50,000.

**DIGBY, N. S.**—Mr. T. W. Longstaff is soliciting stock for the erection of a summer hotel, to cost in the neighborhood of \$35,000.

**WINGHAM, ONT.**—Plans have been prepared for a new brick block to be erected by Mr. H. W. C. Meyer. The buildings will be heated by hot air, and will have all modern conveniences.

**EGANVILLE, ONT.**—The members of St. James church intending erecting a monument to the late Rev. Father Byrne, to cost \$2,000.

**REGINA, N.W.T.**—The council has decided to erect a brick weigh house.—The reconstruction of the dam at the reservoir is being discussed.

**GANANOQUE, ONT.**—A company has purchased Slave Island, about four miles from this town, and intend erecting a fine hotel thereon.

**RAT PORTAGE, MAN.**—The Board of Trade have memorialized the Government to proceed at once with the improvements in the Rainy river.

**FORT WILLIAM, ONT.**—Tenders are called for the erection of the new Catholic church. The building is to be 40 x 80 feet, and to cost about \$6,000.

**HALIFAX, N. S.**—Mr. C. J. Wyldie will receive tenders until the 5th inst. for the erection of a stone church on the western side of the North-western Arm.

**PICTON, ONT.**—The sum of \$5,000 has been placed in the estimates of the Dominion government to cover the cost of site and preliminary expenses in connection with the erection of a post office here.

**LONDON, ONT.**—Tenders are invited for building a wooden approach to the McIntosh bridge, on the Thames river.—Mr. John Sussex is having plans prepared for the erection of two brick stores on Ridout street.

**MONTREAL, QUE.**—The Building Committee of the Zion Congregational church have been authorized to borrow the sum of \$3,000 for erecting class-rooms, etc.—The corporation of Cote St. Antoine will construct a sewer along the west side of Atwater street.

**BROCKVILLE, ONT.**—Plans are being prepared for the enlargement of the hotel at Westminster Park. The alterations will consist of the enlargement of the dining hall 60 x 40 feet, an addition of 90 feet west of the office and the raising of the main hotel building one storey.

**HAMILTON, ONT.**—It is stated that the Hamilton Street Railway Company will purchase the property on the corner of King and James streets, and transform the buildings into suitable offices.—Mr. W. J. Macdonald has obtained permission to build two brick houses on Main St., cost \$3,000.

**WELLAND, ONT.**—A Buffalo syndicate have purchased the property on which recently stood the Erie Beach hotel, together with considerable

adjacent property. The company propose to erect a large hotel and also spend the sum of \$5,000 in beautifying the grounds for a public park.—The sum of \$8,000 is to be expended on repairs to branches of the canal.

**TORONTO JUNCTION, ONT.**—The Safety Barb Wire Company have secured a site near the Barnum factory, and will shortly commence the erection of a factory, to be completed by the 1st of January, 1892.—An agreement has been entered into between the town and the Suburban Electric Street Railway Company. It is said the Edison Co. have taken some stock in the company and will construct lines on Dundas street, Humberstone avenue and Elizabeth street at once.

**KINGSTON, ONT.**—Mr. C. F. Gildersleeve, of the Kingston and Smith's Falls Railway Company, states that the company expect to commence the work of construction in the year 1892.—At a meeting of the directors of the North American Telegraph Company held recently, it was decided to immediately establish a line between Toronto and this city.—A large stone addition will be built to Mr. J. McLaughlin's store on Princess street.—Several summer residences are to be erected on Carleton Island.

**VANCOUVER, B. C.**—The William Hamilton Manufacturing Co. of Peterboro', propose to erect a foundry and machine shop at some point in this province.—An addition to the Vancouver hotel will be commenced in a few days.—A new depot will shortly be erected for the Canadian Pacific Railroad, to be four stories high, the two bottom stories of stone and the two upper ones of white brick.—Mr. Van Horne states that the following improvements will be constructed at an early date:—A pavement on Cordova street down to the station, and retaining walls on both sides of the street; a concrete wall up to low water mark, and the wharves to be extended as soon as the engineer has completed surveys.

**TORONTO, ONT.**—Messrs. Denson & King, architects, have prepared plans for alterations to the Custom House, at a cost of \$22,000. They have also prepared plans for a new observatory to be erected on the site of the old one in the Queen's Park.—Mr. F. H. Herbert, architect, has prepared plans for a doctor's residence to be erected on the corner of Dundas street and Dovercourt Road for Mr. Geo. Davie. The building will be of brick and stone, heated by hot air, with windows of British plate or stained glass. Probable cost, \$5,000.—W. C. Beddome, Chairman Property Committee of the High School Board, will receive tenders until noon on Monday, the 5th inst., for sodding, grading and gravel drives, concrete walks, slat walks and covered walks to the Harbor Street Collegiate Institute.—The first sod was turned a few days ago for the erection of a new Episcopal church in the parish of St. Cyprian.—The Council has decided to advertise for tenders for the reclamation of Ashbridge's Bay.—The authorities of Toronto University will shortly erect a new residence, convocation hall, and chemical laboratory.—A syndicate consisting of E. B. Osler, Hugh Ryan, H. S. Mara and P. Jamieson have purchased the Rosedale athletic grounds, presumably with the intention of reselling as building sites.—Messrs. Jackson & James, corner Bay and Richmond streets, want tenders for all trades except painting and plumbing for building rough-cast and brick houses.—It is expected that a satisfactory understanding will shortly be reached between the City Council and the Dominion Government, under which the enlargement of the western cattle market will be proceeded with.—The following building permits have been granted: W. Power, five att. 2-story and attic bk. dwelling, east side Tecumseth St., just north of Douro St., cost \$10,500; Richard Castle, 2-story bk. dwelling, 102 Cumberland St., 2-story bk. add. to No. 4, cost \$1,400; Geo. Rennie, 2 pr. s.d. 2-story and attic bk. dwellings, n. side First Ave., nr. Logan Ave., and 2 pr. 2-story h.f. dwellings, s.w. cor. Logan and First Ave., cost \$6,500; D. Carlyle, two 3-story bk. stores, n. side Queen St., nr. Seaton St., cost \$6,000; James Robertson & Co., 1-story and

basement storage warehouse, w. side Dorsett St.; E. Brooke, Victor Ave., nr. Logan Ave., pr. s.d. 2-story and attic bk. dwellings, s. side Victor Ave., cost \$4,000; Rogers Bros., pr. 2-story h.f. dwellings, e. side Sword St. nr. Gerrard, cost \$2,000; M. Johnston, det. 2-story b.f. dwelling and r.c. stable, rear n. side Garden Ave., cost \$1,600; W. C. Stratten, additions to 446 Queen St. west, cost \$1,500.—Mr. Watson, of Markham St., through Alex. Maclean, estate broker, has purchased part of lot 24, plan No. 104, on the east side of Brunswick Ave., on which he intends erecting a fine residence.

**FIRES.**

The residence of Mr. J. C. Hope, at Burlington, Ont., was burned on the 26th of September. Loss, \$2,500.—A brick house and outbuildings belonging to Mr. Wm. Ingram, at Omemece, Ont., were destroyed by fire on the 29th of Sept.—Hillard's shingle mill at Peterboro', Ont., was burned on the 28th inst. Loss on building and machinery, \$2,500.—A. H. Houghton's grocery store at Alexandria Bay, Ont., was destroyed by fire recently. Loss, \$4,000.—A brick house belonging to Mr. Phineas Kinsey, at Avlmer, Ont., was recently destroyed by fire.—The mill of the St. Lawrence Co. at Bathurst, N.B., was burned on the 24th Sept. Loss, \$20,000.—At Halifax, N. S., on the 1st inst., fire destroyed Merlin's planing mill, J. Taylor & Co.'s fish warehouse, Brookfield Bros' lumber warehouse and yards, Butler's spar yard, B. Swinerton, millers' agent; Halifax broom factory; B. Neilly & Co., commission merchants; Shaford Bros., oil dealers; Shafner & Co., sail makers; John Cronan, grocer; C. E. Creighton & Co., wholesale grocers; Miss Regan, store; John V. May, store; Hannah Kints, residence; D. J. Forbes, store; John E. Butler, T. A. S. De Wolfe & Son, John Brommitt, residences; American Metal Co., office; Edward Heany, residence; J. T. & T. W. West, wharf and stores; Donald D. Walker, boarding houses; Cronan, wharf; Liverpool wharf, De Wolfe's wharves; Hamilton's wharf.

**CONTRACTS AWARDED.**

**DUNNVILLE, ONT.**—Mr. Miles Hunting, of Hamilton, has secured the contract for the building of the new waterworks. The contract price is \$10,531.

**CHATHAM, ONT.**—Mr. Wm. Blight has the contract for the erection of the new General Hospital on the site of the former residence of Mr. C. E. Pegley. Mr. J. L. Wilson is the architect.

**WINDSOR, ONT.**—The following tenders were received for the new pump for the waterworks: Kerr Bros., Walkerville, \$9,990; Worthington, New York, \$12,250; Inglis & Hunter, Toronto, \$9,850; Blake, New York, \$14,185; Knowles & Co., Boston, (A) \$13,835; (B) \$13,795. The commissioners accepted the tender of Kerr Bros.

**TORONTO, ONT.**—The Separate School Board has accepted the following tenders for the erection of a school in St. Helen's parish: Herbert & Murphy, mason and brickwork, \$3,789; John Hanrahan, carpenter work, \$2,200; W. J. Hynes, plastering work, \$470; Douglas Bros., galv. iron work, \$220; Duthie & Son, slating work, \$208. Keith & Fitzsimmons, plumbing, \$99; J. P. Finnigan, painting, \$295; Smead-Dowd Co., heating, etc., \$980.

Experiments on the actions of different oils on metals show that bronze is much corroded by linseed oil, slightly by olive oil and not at all by colza oil, and that for lead the safest lubricant is olive oil, and the worst whale oil.

The *Journal du Gaz et de l'Electricite* refers to white-wood paste joints for steam pipes. The paste is made up into rings, which, being immersed in linseed oil, swell rapidly, and after being put in position they form tight joints.

**FROST-RESISTING POWER OF STONES.**

Experiments on "the frost-resisting power of natural and artificial building stones" have been made by Mr. Bauschinger, as stated in the *Journal of the Society of Chemical Industry*, with 21 different kinds of natural building stones, three to six test pieces of each being used. Their tensile strength, dry and wet, their capacity for absorbing water, their alteration in volume, tensile strength and behavior towards water after freezing and thawing 25 times, and their specific gravity, were determined. Out of this number of samples, ranging from limestone to sandstone, only six were found to resist repeated freezing, viz., one of dolomite, one of diorite and four sandstones. Four other samples were found to resist freezing fairly, but not absolutely; but of 41 samples of artificial stone similarly tested, only three were found thoroughly unaffected, while eight proved fairly resistant.

**PRESERVATION OF IRON.**

The preservation of iron and steel is a question that has given rise to much controversy. Not long since we noticed the alleged advantages of asphalt and coal-tar paints for ironwork, on the ground that mineral asphalt adhered more firmly to the surface, and did not peel or chip off. Iron oxide paints have been long recommended for their efficacy and suitability, inasmuch as these paints are made from iron or by a process with an iron base. Now a strong claim is put forward for red-lead as the best pigment for preserving iron and steel structures as "forming a hard elastic coating having a great tenacity for the iron." So says Mr. Woodruff Jones, A.M., in a paper in the *Railroad and Engineering Journal*, of New York, and he gives the following practice of one of the largest shipbuilding establishments in the United States, in applying red-lead to the hulls of Government vessels. "The plates are first pickled in a dilute solution of muriatic acid, then passed through rapidly revolving wire brushes, which remove all scale and dirt, leaving the iron with a bright smooth surface, then thoroughly washed with pure water and rubbed entirely dry, and immediately coated with red-lead and pure, raw linseed oil." The red-lead is first thoroughly mixed with enough oil to form a very thick paste. The paste, as wanted for use, is thinned down to the proper consistency for spreading with pure linseed oil, and applied at once. A gallon of paint will cover about 500 sq. ft. as a first coat. By this means it is stated the pigment obtains a close adherence to the iron. The plan of coating the iron with oil before painting with red-lead is said to be a mistake, as it prevents the paint from adhering to the surface. As the proof of the pudding is in the eating, we must wait for the results of this method of treatment, which in theory appears to be reasonable, as many other methods do which have been published of late. No mere theory of iron preservation by coating with paint will be worth much till we have reliable

evidence furnished of the durability of particular plans under certain conditions of the atmosphere.

**A SKIN FOR STONE.**

Soft oolitic limestone, or limestone with spherical granules, is now hardened into marble by treatment with a certain chemical solution, which gives to the stone a thick, strong skin about half an inch deep, capable of fine polish. Soft oolite can thus be worked into any form and hardened afterward. The marble becomes impervious to damp and atmospheric influences.—*Popular Science News.*

**TO BUILDERS.**

**ALEX. MACLEAN,**

9 Victoria Street, Toronto,

Offers to builders, on advantageous terms, lots on Elizabeth St., Westmoreland Ave., Spencer Ave., Shaw St., Wellesley St. and Spadina road.

**To Builders, Investors and Speculators.**

Offers are invited to purchase that magnificent business site at the intersection of Dundas and Arthur streets and Ossington Ave. The lot has a frontage of 100 feet on Dundas and 120 feet on Arthur St., and is undoubtedly the best business corner west of Yonge St. Offers to be sent to F. J. Smith & Co., Estate Agents, 90 Church St.

**J. A. NESBITT, ESTATE AND FINANCIAL AGENT AND ARBITRATOR.**

Office: 9 Adelaide St. East, - TORONTO. Office Telephone 1631. House Telephone 3692. Money advanced on mortgage. Fire insurance at lowest rates. Values carefully estimated.

**Prices of Building Materials.**

**LUMBER.**

CAR OR CARGO LOTS.	
1 1/2 inch and thicker clear picks, Am. ins.	\$30 00/32 00
1 1/2 inch and thicker, three uppers, Am. ins.	37 00
1 1/2 inch 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 00
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 inch 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).	\$2 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).	2 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., per square.	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.	1 00
Henlock cantling and joist up to 16 ft.	11 00 14 00
" " " 18 "	12 00 13 00
" " " 20 "	13 00 14 00
Scantling and joist, up to 16 ft.	14 00
" " " 18 ft.	15 00
" " " 20 ft.	17 00
" " " 22 ft.	19 00
" " " 24 ft.	21 00
" " " 26 ft.	23 00
" " " 28 ft.	25 00
" " " 30 ft.	27 00
" " " 32 ft.	29 00
" " " 34 ft.	31 00
" " " 36 ft.	33 00
" " " 38 ft.	35 00
" " " 40 to 44 ft.	36 00
Cutting up planks, 1 1/2 inch 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

**S. M.**

1 1/2 inch flooring, dressed, F. M.	28 00 31 00
1 1/2 inch flooring rough, B. M.	18 00 22 00
1 1/2 " " dressed, F. M.	25 00 28 00
" " " undressed, B. M.	18 00 19 00
" " " dressed.	18 00 22 00
" " " undressed.	12 00 15 00
Headed sheeting, dressed.	22 00 35 00
Clapboarding, dressed.	12 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.	25 00 45 00
Basswood, No. 1 and 2.	18 00 20 00
Cherry, No. 1 and 2.	20 00 20 00
White ash, No. 1 and 2.	25 00 25 00
Black ash, No. 1 and 2.	20 00 20 00
Dressing stocks.	16 00 22 00
Picks, American inspection.	40 00
Three uppers, American inspection.	50 00

**BRICK—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	74 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 " "	18 00
Foundation Blocks, " Cubic Foot.	50

**Slate: Roofing (per square).**

" red.	18 00
" purple.	9 00
" untading green.	9 50
" black slate.	7 75
Terra Cotta Tile, per sq.	25 00
Ornamental Black Slate Roofing.	8 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 1/2 7 50
Red lead, Eng.	5 50 6 1/2
" 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.	25 40
Black, lamp.	15 25
Blue, ultramarine.	15 20
Oil, linseed, raw (per Imp. gallon).	65 68
" " " boiled.	68 71
" " " refined.	78 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 a bushels, Grey	40
" " " White	55
Plaster, Calcined, New Brunswick.	2 00
" " " Nova Scotia.	2 00
Hair, Plasterers', per bag.	1 00
Cement, Portland, per bli.	3 00 3 50
" Thorold.	1 50
" Queenston.	1 50
" Nananee.	1 50
" Hull.	1 50

**HARDWARE.**

<b>Cut Nails:</b>	
American Pattern, 1 1/2 inch, per keg.	3 90
" " " 1 1/2 to 1 3/4 inch, per keg	3 10
Canadian Pattern, 1 1/2 inch, per keg.	3 40
" " " 1 1/2 to 1 3/4 inch, per keg	2 95
" " " 2 to 2 1/2 inch, "	2 90
" " " 2 1/2 to 3 1/4 inch, "	2 65
" " " 3 inch and larger.	2 40
Steel nails 10c. per keg extra.	
Finishing nails, 1 inch, per keg.	5 40
" " " 1 1/2 inch, "	4 65
" " " 1 3/4 " " "	4 15
" " " 1 1/2 " " "	3 90
" " " 1 1/2 " " and larger.	3 90

**MONTREAL PRICES.**

**Lumber, Etc.**

Ash, 1 to 4 in. M.	\$13 00	\$18 00
Birch, 1 to 4 inch, M.	15 00	25 00
Basswood.....	12 00	20 00
Walnut, per M.	50 00	100 00
Butternut, per M.	22 00	40 00
Cedar, flat.....	00 04	09 06
Cherry, per M.	60 00	80 00
Elm, Soft, 1st.....	15 00	17 00
Elm, Rock.....	25 00	30 00
Maple, hard, M.....	20 00	21 00
Maple, Soft.....	16 00	18 00
Oak, M.....	40 00	100 00
Pine, select, M.....	35 00	40 00
Pine, 2nd quality, M.....	22 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.....	1 50	3 00
and .....	1 25	1 50

**Cement, etc.**

Portland Cement, per barrel.....	\$ 2 70	@ 3 00
Roman .....	2 70	3 00
Fire Bricks, per M.....	20 00	30 00

**Out Nails:**

Hot-cut Am. or Can. pattern, 3 inch and above.....	1 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 1/2 and 2 inch.....	3 25	4 20
Am. pattern, 1 1/2 and 1 3/4 inch hot-cut 1 1/2 inch.....	3 50	5 60
Can. Pattern, cold-cut, 1 1/2 and 1 3/4 inch 1 1/2 inch.....	4 25	5 20
Can. Pattern, cold-cut, 1 1/2 and 1 3/4 inch 1 1/2 inch.....	3 25	4 45
Can. Pattern, cold-cut, 1 1/2 and 1 3/4 inch 1 1/2 inch.....	3 75	5 95
Finishing Nails, per 100 lb. keg, 1 1/2 and 1 3/4 inch.....		4 50
Finishing Nails, per 100 lb. keg 1 1/2 to 1 3/4 inch.....		3 85
Finishing Nails, per 100 lb. keg, 2 inch and up.....		3 50

**Paints, etc.**

White Lead, pure, 25 to 100 lb. kegs. No. 1.....	6 00	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 65	0 75
Paris, .....	1 25	1 25

**Oils:**

Linseed, raw.....	0 63	0 65
" boiled.....	0 66	0 68
Olive, pure.....	1 10	1 15
" machinery.....	95	1 05
" extra, qt., per case.....	3 00	3 75
" pts., .....	2 50	2 60
" 1/2 pts., .....	2 75	3 10
Spirits turpentine.....	0 67	0 70

**INDEX TO ADVERTISEMENTS**

**IN THE CANADIAN ARCHITECT AND BUILDER.**

**ARCHITECTS.**

Ontario Directory.....	III
Quebec Directory.....	vi

**ARCHITECTURAL SCULPTORS AND CARVERS.**

Carnovsky, B. H.....	xvi
Hicks, W. Stevens.....	II
Holbrook & Mollington.....	xii
Turner, Frederic.....	II
Mowbray, Thos.....	II
Wagner, Zeidler & Co.....	vii

**ARCHITECTURAL IRON WORK.**

B. Greening Wire Co.....	IV
Ives & Co., H. R.....	IV
The Dominion Bridge Co.....	I
Whitfield, John.....	IV

**ART WOODWORK.**

Carnovsky, B. H.....	xvi
Wagner, Zeidler & Co.....	vii

**BELLHANGER.**

Richardson, I. T.....	III
-----------------------	-----

**BENT GLASS MANUFACTURERS.**

Polito, T.....	v
----------------	---

**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

**BUILDERS' SUPPLIES.**

Adamant Mfg. Co.....	II
Adamson, Joseph.....	I
Rowe, Geo.....	I
Morrison & Co., T. A.....	iv
Maguire, William.....	v
McNally & Co.....	iv
Rathbun Co.....	viii

**BUILDING STONE DEALERS.**

Adamson, Jos.....	I
Brodie, James.....	II
Brodigan & Co., J.....	ii
Morrison & Co., T. A.....	iv
Rathbun Co.....	viii

**BUILDERS' HARDWARE.**

Aikenhead & Crombie.....	xiv
Rice Lewis & Son.....	IV
Samuel, Benjamin & Co., M. & L.....	ix
Vokes, M. & J. L.....	ix

**CEMENTS.**

Adamant Mfg. Co.....	viii
Adamson, Jos.....	I
McNally & Co., Wm.....	iv
Maguire, William.....	v
McRae & Co.....	iv
Morrison & Co., T. A.....	iv
Rathbun Co.....	viii
Terry, Edward.....	iv
Wright & Sons, C. B.....	ii

**CHURCH AND SCHOOL FURNITURE.**

Canadian Office & School Furniture Co.....	x
Office Specialty Co.....	xiv
The Globe Furniture Co.....	IV

**CHIMNEY TOPPING.**

Hansen, Harold M.....	xiv
-----------------------	-----

**CONSULTING ENGINEER.**

Barry, A. B.....	x
------------------	---

**CONTRACTORS AND BUILDERS.**

Davidson & Kelly.....	II
Dick, James, sr.....	vi
Dagenais, J Benjamin.....	vi
Hood & Co., C.....	II
Hancock, Thomas.....	II
Hamilton, Edward.....	vi
Lyall, Peter.....	iii
Mortimore, Geo. T.....	II
Murison & Burge.....	vi
Roberts, William.....	II
Thomas & Howell.....	II
Turner & Co., G. W.....	vi
Webb & Claxton.....	II

**CUT STONE CONTRACTORS.**

Adamson, Jos.....	I
Curtis & Rowe.....	II
Hibbard, H. & T.....	II
Isaac Brothers.....	II
Oakley & Holmes.....	II

**ELECTRIC LIGHTING.**

Royal Electric Co.....	I
Toronto Electrical Works.....	ix

**DERRICK BUILDERS.**

Rowe, Geo.....	
----------------	--

**ELEVATORS.**

Ives & Co., H. R.....	IV
Leitch & Turnbull.....	I

**ENGRAVERS.**

Canadian Photo-Eng Bureau.....	xiii
--------------------------------	------

**FIRE BRICK AND CLAY.**

Adamson, Jos.....	I
Colman-Hamilton Co.....	iii
Wright & Sons, C. B.....	ix

**GALVANIZED IRON WORKS.**

Baird Bros.....	II
Douglas & Plunkett.....	II
Hedges & Lankin.....	II
Ormsby, A. B.....	xvi
Tucker & Dillon.....	II

**GRATES AND TILES.**

Holbrook & Mollington.....	xii
Rice Lewis & Son.....	IV
Vokes, M. & J. L.....	ix

**HEATING.**

Clare Bros. & Co.....	xiii
Garth & Co.....	xv
Gurney Co., E. & C.....	
Howard Furnace Co.....	xii
Ives & Co., H. R.....	IV
King & Son, Warden.....	xvi
McClary Mfg. Co.....	xii
Miller Bros. & Toms.....	xii
Ormsby, A. B.....	xvi
Pease Furnace Co.....	xiv
Toronto Radiator Mfg Co.....	xi
Waterous Engine Works Co.....	x

**IRON FENCES.**

Ives & Co., H. R.....	IV
Toronto Drop Forge Co.....	ii

**IRON PIPE.**

Ives & Co., H. R.....	IV
-----------------------	----

**LIME AND STONE.**

Wright & Sons, C. B.....	ix
--------------------------	----

**LEGAL.**

Denton, Dods & Denton.....	III
----------------------------	-----

**MANTELS AND OVERMANTELS.**

Millichamp Mfg. Co.....	
-------------------------	--

**METALLIC LATH.**

B. Greening Wire Co.....	IV
Metallic Roofing Co.....	ii

**MORTAR COLORS AND SHINGLE STAINS.**

Cabot, Samuel.....	xvi
Maguire, Wm.....	iv
Muirhead, Andrew.....	xvi
Vokes, M. & J. L.....	ix

**ORNAMENTAL PLASTERERS.**

Baker, J. D.....	III
Hynes Terra Cotta & Brick Co.....	viii
Littleford & Thorne.....	III
Wright, Jas.....	III

**PAINTS, VARNISHES, &C.**

Muirhead, Andrew.....	xvi
-----------------------	-----

**PAINTERS.**

Dill & O'Hearn.....	II
Gilmor & Casey.....	II
Hutch, W. J.....	II
Polito, T.....	v
Taylor, W. J.....	II

**PAVING.**

Excelsior Pavement Co.....	ix
Forsyth, Robert.....	xiii
Gardner & Co., A.....	IV

**PLASTERERS.**

Hynes, W. J.....	I
Littleford & Thorne.....	II
Watson Bros.....	II

**PLATE GLASS.**

McCausland & Son.....	v
Toronto Plate Glass Importing Co.....	vi

**PLUMBERS.**

Bennett & Wright.....	II
Hortan, F.....	vi
McCrae & Watson.....	vi

**PLUMBING SUPPLIES.**

Booth & Son.....	v
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
Hutson, W. D.....	II
Ormsby, A. B.....	xii
Reynie & Son, R.....	II
Saulter, Wm.....	II
Shales, John H.....	II
Stewart, W. T.....	II
Toronto Roofing Co.....	II
Williams & Co., H.....	II

**SASH BALANCE.**

Hargreaves, John.....	vii
-----------------------	-----

**SEWER PIPE.**

Adamson, Jos.....	I
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
Wright & Sons, C. B.....	iv

**SANITARY APPLIANCES.**

Booth & Son.....	v
Sanitas Mfg. Co.....	v
Ives & Co., H. R.....	IV
Malcolm, W. B.....	
St. Johns Stone Chinaware Co.....	ii

**SLIDING BLINDS.**

Clatworthy, Geo.....	x
----------------------	---

**STAINED AND DECORATIVE GLASS.**

Castle & Son.....	v
Dominion Stained Glass Co.....	iv
Elliott & Son.....	I
Faureloth Bros.....	
Grimson, G. & J. E.....	iv
Longhurst & Co., H.....	iv
Lewis, R.....	v
McCausland & Son.....	v
Spence & Son, J. C.....	iv
The Bell Art Stained Glass Works.....	v
Victoria Stained Glass Co.....	v

**STENOGRAPHERS.**

Holland Bros. & Young.....	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.....	viii
The Montreal Terra Cotta Lumber Co.....	viii

**TOWER CLOCKS AND BELLS.**

Gillett & Johnston.....	ii
-------------------------	----