

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: / Pagination is as follows: [I], II, II, IV.
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, March 21, 1891.

No. 6

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.

62 Temple Building, - Montreal.

Bell Telephone 2999.

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, 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. Duroy, 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.

TENDERS

For all trades will be received up to the 28th inst. for a Dwelling on Euclid Ave.
GEO. M. MILLER, Architect, 1 Queen St. East.

TENDERS WANTED

FOR THE CONSTRUCTION OF

Water Works System

For the Corporation of Amherstburg, Ont.

Sealed tenders will be received by the undersigned up to 8 p.m. of the

1ST DAY OF APRIL, 1891.

Plans and specifications may be seen at the Clerk's office, Amherstburg, or at the office of the Consulting Engineer, John Galt, Esq., Canada Life Building, Toronto.

Tenders to be on forms furnished by the Engineer, accompanied by marked cheque for 3 per cent. of tender payable to the corporation.

The corporation reserves the right to reject any or all tenders.

J. H. C. LEGGATT,

Town Clerk, Amherstburg.

TENDERS

Will be received at my office until noon, SATURDAY, MARCH 28TH, for all work required in the erection of Five Stores on Yonge Street.

Lowest or any tender not necessarily accepted.

EDEN SMITH, Architect,
14 King St. West, Toronto.

TO BUILDERS.

Tenders will be received by the undersigned till 5 p.m. on Monday, 30th inst., for the erection of a House and Stable on Murray Street.

LANGLEY & BURKE, Architects.
Canada Life Building.

TO BUILDERS AND CONTRACTORS.

Tenders will be received in my offices on or before the 30th inst. for the several artificers works required in erecting a Villa on Sherbrooke Street, Restaurant on Donegani Street, six dwellings on Monigne Street, alterations and additions to a Warehouse on Sparks Street, Ottawa, in accordance with the plans and specifications to be seen in my offices, Nordheimer Building, Montreal.

JOHN JAMES BROWNE,
Architect.

TENDERS

Will be received at my office for all trades for the erection of Two Houses on Jarvis St., Four Houses on McCaul St., and One Dwelling on Markham St. Tenders close April 1st.

GEO. M. MILLER Architect,
1 Queen St. East, Toronto.

NEW WATER CLOSET.

Mr. J. Pickering Putnam, inventor of the "Sanitas" system of plumbing appliances, has just patented a new water closet and supply tank. The invention consists of a jet water closet provided with a supply cistern, and connected therewith by a syphon, the end of the short arm of which is near the bottom of the cistern. An air relief is in the crown of the syphon, while the long arm bends and enters the bottom of the closet trap, and its lower end bends upward in the direction of the upcast limb of the trap. The object of this is that a column of water filling the syphon descending through the long arm in the flushing operation will have sufficient power as a jet to set in motion and carry the contents of the trap over the overflow. In the normal condition of the apparatus a column of compressed air is held between the water in the closet and trap, and the water in the cistern, thereby maintaining the two bodies of water in substantial equilibrium. When the amount of water in the closet and trap is gradually diminished by evaporation or other accidental cause, water will slowly trickle from the cistern to the trap to restore the equilibrium and thus maintain the seal. This water closet is said to be altogether noiseless in its operation.

CONTRACTS OPEN.

WINGHAM, ONT.—The Salvation Army will erect barracks.

MADOC, ONT. It is the intention to light the streets by electricity.

MOUNT ALBERT, ONT.—Mr. E. H. Brooks will build a large store.

IONA STATION, ONT.—A public hall will be erected at an estimated cost of \$1,200.

MILLBANK, ONT.—Preparations are going forward for the erection of a new Presbyterian Church in the spring.

AVLIER, ONT.—Mr. D. H. Price has had plans and specifications prepared for the erection of two brick stores.

INGERSOLL, ONT.—It is the intention of the C. P. R. to proceed immediately with the erection of the new brick station building.

ARNSPRIOR, ONT.—The recent disastrous fire has led the citizens to take under consideration the question of the construction of waterworks.

PORT SIMPSON, B. C.—It is proposed to erect an hospital at this place. The Local and Federal Governments will be asked to assist the undertaking.

ST. MARYS, ONT.—Knox Presbyterian Church was destroyed by fire on the 16th inst. The loss is estimated at \$15,000; insurance amounts to \$5,000.

LONDON, ONT.—The Council and Board of Education will negotiate with the Ontario Government for the establishment here of a Normal School.

FORT WILLIAM, ONT.—Incorporation has been granted the Fort William Electric Railway Co. Messrs. Donald and Peter Mackellar are among the promoters.

NEW WESTMINSTER, B. C.—At a meeting of the directors of the New Westminster and Vancouver Railway Co. held a few days ago, the route for the road was definitely fixed.

ST. THOMAS, ONT.—By laws will be submitted to the vote of the citizens on April 16th, to provide \$6,000 for a wooden bridge on Wilson Ave., and \$3,500 for an electric fire alarm service.

WINNIPEG, MAN.—The trustees of the McDougall Memorial Church have decided to call for new tenders for the erection of a building which will be of solid brick, 34 feet square.

PICTON, ONT.—The Council invites sealed tenders until the evening of Monday, the 23rd inst., for the position of electrician and engineer to take charge of the Picton electric light and water works plant.

GUELPH, ONT.—Mr. John Day, architect, invites separate or bulk tenders until the evening of Monday, the 23rd inst., for the construction of a four roomed stone school building in this city.

QUEBEC, QUE.—A meeting of the shareholders of the Fortress Hotel has been called for the purpose of adopting the plan and authorizing the signing of the contract for the erection of the building.

NIAGARA FALLS, ONT. The Niagara Falls Electric Railway Co. is applying for incorporation for the purpose of constructing and operating an electric railway from a point near Niagara to a

point near Port Erie. Among the applicants are Albert D. Shaw, John G. Scott, Benjamin G. Lake and Thos. McGaw.

NANAIMO, B. C.—Tenders will be asked shortly for the construction of a proposed electric tramway, the length of which will be 10 miles.—The architects have in course of preparation plans for a considerable number of new buildings.

BROCKVILLE, ONT.—The Board of Trade are taking steps to induce the managers of the New York, Ontario and Western Lehigh Valley Rys. to make the termini of their respective roads on the St. Lawrence opposite Brockville.

PRESTON, ONT.—Mr. Jas. Eseron, photographer, will erect a two storey bk. business block at a probable cost of \$4,000. Mr. Fred Melish, architect, Galt, will award contracts for the work only on or about the 4th of April, the materials being supplied by the owner.

WEST TORONTO JUNCTION, ONT.—The Council has notified Mr. Kunching, C. E., Rochester, that his report on the best system of sewerage to be adopted by the town must be in the hands of the Council not later than the 7th of April.—An expert will be employed by the Council to report on the best electric light system to be adopted by the town.

MAGOG, QUE.—The Town Hall Building Committee met Tuesday afternoon, when specifications were drawn up and the Secretary instructed to advertise for tenders.—Plans are being prepared by Mr. John James Browne, architect, for an extension to the Magog Paint Works. Contracts will be given at once.

VANCOUVER, B. C.—A number of ladies of the city are soliciting subscriptions for the purpose of erecting a Maternity Hospital.—Property on the north side of the inlet opposite the city to the extent of 1,279 acres has been purchased from Capt. Power, of Moodyville, by a syndicate of local capitalists, who will proceed at once to lay out a town site to be known as North Vancouver. Among the improvements to be carried out will be the construction of a wharf, and an electric railway to connect with the city lines.

KINGSTON, ONT.—Plans have been prepared for the proposed new Baptist Church to be erected on Princess St.—The Public School Board will ask the Council for \$35,000 for the erection of a new school building.—The members of the First Congregational Church will hold a meeting in a day or two to examine plans for the proposed improvements to the building.—Mr. Newlands, architect, has prepared plans for a business block for Mr. Drennan. The building will be of brick, with terra cotta dressings.—A stock company is being organized for the purpose of erecting and equipping a gymnasium, to be erected on the Queen's University College grounds.

HALIFAX, N. S.—A by-law is in course of preparation authorizing the council to borrow a sum not exceeding \$150,000, \$100,000 of which it is proposed to expend in laying a new main water pipe from the lake to the north end of the city, and the balance to be used in increasing the means of supply and the efficiency of the service in such manner as may be determined upon after surveys are completed and plans adopted.—The Council has adopted the recommendation of the Board of Works for the widening of Quinpool Road, and the erection of stables for city horses.—Public subscriptions are invited to the amount of \$3,000 for the erection of a pedestal for a statue of Sebastian Cabot, to be presented to the city by Dr. Cogswell.

MONTREAL, QUE.—A restaurant is to be built opposite the Canadian Pacific depot, containing a large dining room with ten smaller dining rooms, four for ladies, with staircase, and promenade on the roof, all lighted with electric lights, John James Brown, architect.—Mr. E. P. Bender, Montmagny, the promoter of the railway from Quebec to Labrador, states that arrangements have been made by which construction will be commenced during the coming summer.—The Dept. of Railways and Canals, Ottawa, has post-

poned the date for the reception of tenders for the work of improving the drainage system of the north side of the Lachine Canal, until the 14th day of April.—A meeting of the Protestant School Board will be held at an early date to consider the plans now in course of preparation for the erection of a new High School building.

OTTAWA, ONT.—Plans have been prepared for the extension of the chancel of St. George's Church and the removal of the organ and choir from the gallery to the chancel. The estimated cost of the work is \$7,500.—Messrs. Ahern & Sopher have purchased property on Albert street on which to erect car shops and offices, quarters for workmen, and work shop for repairs in connection with the proposed electric street railway. The building will be solid brick, 125 x 55 feet.—It is understood to be the intention of the Government not to ask tenders until the summer for the construction of the proposed new canal on the north shore of the St. Lawrence. The Government Engineer has been despatched to England for the purpose of making an inspection of the Manchester Ship Canal.

HAMILTON, ONT.—The estimates of the Council for the current year include the sum of \$15,000 for sewer construction, and \$20,000 for water works construction.—A movement is on foot under the direction of some of the prominent ladies of the city to raise necessary funds for the erection of a building to be used as a Maternity Hospital. It is proposed also to make certain alterations for the purpose of increasing the accommodation of the present hospital buildings.—The City Clerk will receive tenders until 4 p.m. on Wednesday, 23th inst., for the supply of lead pipe, cast iron pipe, supply casting, stop cock boxes, 2½ in. rubber hose, service brass work, 6 in. stop valves, hydrants, iron castings and pig lead for the Water Works Department.—Senator Sanford has intimated his intention of placing a Canadian memorial window in City Road Chapel, London. It is proposed that the window shall contain portraits of some prominent Canadian Methodists.—At a meeting held a few days ago, consent was given a company to lay the necessary pipes to connect the city with the natural gas wells on the Niagara Peninsula.

TORONTO, ONT.—Mr. Robert Milligan will erect three solid brick houses on the west side Ossington ave. Stone foundations, slate roofs, plate glass, hardwood finish downstairs, hot air heating, etc. Contract awarded for excavating only.—An appropriation has been made by the council for the painting of the exterior of the Horticultural Pavilion, the making of new walks and other improvements, the cost of which is estimated at about \$12,000.—Exhibition Park is to be re-paved at a cost of \$17,855.—Advices from Ottawa state that it is the intention of the Government to shortly commence the erection of the proposed new drill shed.—Mr. Richard Ough, 60½ Adelaide st. east, invites tenders until the 23rd inst. for the erection of three houses on Major st.—The Board of Works has decided to advertise for tenders for materials required by the Department for the current year.—Application for incorporation has been made to the Legislature by the Don & Scarborough Railway Co., who propose to build a railway from the intersection of the Don by Queen street through East Toronto Village to Victoria Park, and from thence north to Boston's Corners in the township of Scarborough. Among the applicants are A. W. Dingman, manufacturer; J. K. Leslie, nurseryman, and J. Jones, street commissioner.—The Davenport Electric Railway Co. has been organized, with Mr. Jas. Ausun as President, for the purpose of constructing an electric railway along Davenport Road from Bathurst st. to Lambton. It is said to be the intention to commence the work of construction at an early date.—Messrs. W. H. Howland, W. Skaife and R. A. Lauder are asking the Legislature to guarantee bonds to the amount of \$125,000 for the erection of a beet sugar factory estimated to cost \$250,000.—The Council of East Toronto has decided to aid the establishment of a Girl's Industrial School.—The estimates of the

Board of Works include \$9,000 for the repair and re-construction of stone and wooden kerbs; \$16,900 for wooden and stone crossings; \$25,000 for sidewalks; \$6,000 for bridges; \$226,000 for works to be carried out by day labor, and \$896,000 for works to be carried out by contract.—The by-law for the construction of steel bridges crossing the railway tracks at Dundas street has received the approval of the council. The proposal is to build a bridge that will bear the strain of street car traffic. The estimated cost is about \$75,000.—The following building permits have been granted: Wm. Hutchinson, 3 story bk. machine shop, e. side Ontario st., n. of King st., cost \$2,000; Jas. Smith, four att. 2 story bk. dwellings, n. side Farley ave., w. of Spadina ave., cost \$7,000; Geo. Bain, det. 2 story bk.-fronted dwelling, n. side Saultter st., cost \$1,100; Graham & Bingham, five s. d. 2 story and attic bk. dwellings, s. side Brown st., cost \$8,000; Mrs. Elizabeth Rendall, three att. 2 story bk. dwellings, w. side Manning ave., near Robinson st., cost \$7,500; John Gibbs, pr. 2 story bk.-fronted dwellings, w. side Harris st., cost \$1,700; Board of Management, additions to Girls' Home, Gerrard st., cost \$6,000; J. R. Armstrong, four 1-storey bk. stores, south side of Queen street, cor. Sherbourne St., cost \$2,000; J. Bedford, det. 2-storey and attic bk. and stone villa, north side Isabella St., near Sherbourne, cost \$15,000; Jas. McConvey, det. 2-storey and attic bk. dwelling, 188 Simcoe St., cost \$3,000; Jas. Quinn, alterations to Clarendon Hotel, King St. west, cost \$2,700.

STEAM PIPE REQUIRED FOR HEATING.

The question often arises, How much pipe is required to heat a building of a certain cubic capacity? Of course, this varies with the temperature of the steam used, the degree of heat required to be kept up, the frequency with which the doors are opened, the temperature of the outside air, the intensity of the wind, the area of the window surface, etc. There are no two places in which the conditions are exactly alike, and it would be hard to lay down an absolute rule for any fixed set of conditions. But there are some good data which will do to start from, and a writer in the *Mechanical News* calculates it as follows:

We may start out with the fact that one unit of heat will raise 55½ cubic feet of air from 62 deg. to 63 deg. Fah., and can use these figures, no matter what the temperature and the steam are of the building to be warmed, or what outside atmosphere.

For low pressure steam—say about 5 pounds above atmosphere or by the gauge—the length of 4 inch pipe required for heating the air is found by multiplying the volume of air in cubic feet per minute, to be warmed, by the difference of the temperature in the room and outside, and dividing by 336. The answer will be the length of 4 inch pipe in feet, and will be also about the number of square feet of pipe, as a 4 inch pipe has 12.57 inches circumference, hence but a very trifling over 144 square inches of surface per foot of length. (For 1 inch pipes the divisor required is 84 instead of 336.)

It will take one square foot of direct boiler surface, or its equivalent of floor surface, to keep a temperature of 60 deg. F. in a room with steam at 5 pounds by the gauge, and the ordinary range of temperature in and out of the room.

The Canadian Contractors' Hand-Book, 50 cents to RECORD subscribers.

LEGAL DECISION OF INTEREST TO BUILDERS.

GRIFFIN & SON VS. AYR PUBLIC SCHOOL BOARD.

THIS was an action brought by Messrs. Griffin & Son, builders, to recover from the defendants the contract price of the stone work and foundations of a proposed public school building in the village of Ayr. The defendants denied any contract binding upon them, and in support of this contention stated that the resolution authorizing the letting of the contract was not passed by a majority or quorum of the School Board; that before the contract had been signed a formal notice setting forth this fact, was served upon the plaintiffs; that an injunction was obtained from the Courts to restrain the School Board from proceeding with the erection of the building and from entering into any contract for that purpose; that notice of all these proceedings was served upon Messrs. Griffin & Son; but they proceeded with and completed the work.

Meantime at a duly constituted meeting of the School Board held while the injunctions were in force, a resolution was passed confirming the contract which had been previously entered into. Subsequently the Courts granted an injunction perpetually restraining the defendants from erecting the school buildings or any part thereof under the plans which had been submitted, or under the contract with Messrs. Griffin & Son.

The Court held that notwithstanding the corporate seal had been attached to the contract, the authority under which it was so attached was inoperative, and that of this fact the Court was bound to take cognizance. It further held that in disregarding the notices given them of the illegality of the authority under which the contract was awarded, and of the injunctions issued against the Board, Messrs. Griffin & Son voluntarily took upon themselves all risk in the premises.

The plaintiffs contended that even if the contract was not binding, they were entitled to receive the value of their work, because the defendants had derived advantage and benefit from it.

In reply to this it was shown that new contracts had been let for the erection of a school building upon a different site, that the foundations erected by Messrs. Griffin & Son had never been accepted or used by the defendants, but had remained exposed to the weather from which cause, or from inherent defects in the work were rapidly becoming unserviceable for any purpose, and consequently that no benefit could have been derived by the defendants from the work.

It, dismissing the action with costs, the

judge said: "The plaintiffs have from the beginning proceeded with the works in defiance of protests which have been shown to be well founded; it has been shown that they never had any authority to perform the work; they were repeatedly told so; they chose to rely upon the assurances of persons who were altogether in the wrong, and in my judgment their only recourse, if any they have, must be to the persons upon whose assurances they relied."

Prices of Building Materials.

LUMBER.

Table listing lumber prices for various types like '1 1/2 inch and thicker clear picks, Am. ins.', '1 1/2 inch and thicker, three uppers, Am. ins.', etc.

CAN OR CANGO LOTS.

Table listing lumber prices for 'CAN OR CANGO LOTS' including '1 1/2 inch and thicker clear picks, Am. ins.', '1 1/2 inch and thicker, three uppers, Am. ins.', etc.

Mr. J. Notre Dame Street, Montreal, October 14, 1890

G. H. Mortimer Esq., Editor Canadian Architect & Builder, and Contract Record.

Dear Sir,

I have to inform you, that, the following resolution was unanimously adopted, at the First Annual Meeting of the Province of Quebec Association of Architects held in Montreal on 10th & 11th inst.:

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 contractor. Resolved: That we pledge our support to it by using its columns when calling for tenders.

Yours truly G. Bluff Secretary.

Table listing prices for '1 1/2 inch flooring', '1 1/2 inch flooring', 'XXX shingles, sawn', 'XX shingles, sawn'.

Metallic Roofing Co. of Canada:

Table listing prices for 'Eastlake steel shingles (galvanized)', 'Eastlake steel shingles (painted)', 'Improved Broad Rib Roofing (galvanized)', etc.

Table listing prices for 'Canada Galvanizing & Steel Roofing Co.', 'Corrugated Iron, galvanized, 26 W.G.', 'Corrugated Iron, galvanized, 28 W.G.', etc.

Table titled 'YARD QUOTATIONS.' listing prices for 'Mill cull boards and scantling', 'Shipping cull boards, promiscuous widths', 'Shipping cull boards, stocks', etc.

Table titled 'B. M.' listing prices for '1 1/2 inch flooring, dressed, F. M.', '1 1/2 inch flooring rough, B. M.', '1 1/2 inch dressed, F. M.', etc.

Table titled 'BRICK—B M' listing prices for 'Common Walling', 'Good Facing', 'Sewer'.

Table titled 'Pressed Brick:' listing prices for 'Plain brick, f. o. b. at Milton, per M.', 'White ash, No. 1 and 2', etc.

Table titled 'Stone' listing prices for 'Common Rubble, Per Toise, delivered', 'Large flat', 'Foundation Blocks', etc.

Table titled 'Slate: Roofing (3/4 square)' listing prices for 'red', 'purple', 'unfading green', etc.

Table titled 'Terra Cotta Tile, per sq.' listing prices for 'black slate', 'Ornamental Black Slate Roofing'.

Table titled 'Sand:' listing price for 'Per Load of 1 1/2 Cubic Yards'.

Table titled 'PAINTS. (In oil, 1/2 lb.)' listing prices for 'White lead, Can.', 'zinc, Can.', 'Red lead, Eng.', etc.

Table titled 'CEMENT, LIME, etc.' listing prices for 'Lime, Per Barrel of 2 bushels, Grey', 'White', 'Plaster, Calcined, New Brunswick', etc.

Table titled 'HARDWARE' listing prices for 'Cut Nails: American Pattern, 1 1/2 inch, per keg', 'Canadian Pattern, 1 1/2 inch, per keg', etc.

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	00 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	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 2nd "	1 25	1 50

Cement, etc.

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

Cut Nails:

Hot-cut Am. or Can. pattern, 3 inch and above.	\$ 75	\$ 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.	3 50	5 60
1 1/2 inch "	4 25	5 80
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		
to 1 3/4 inch.	75 cents	advance on
and 1 1/2 inch.		Hot Cut
Finishing Nails, per 100 lb. keg, 2 inch and up.		Nails.

Patents, 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 58
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

INDEX TO ADVERTISEMENTS

IN THE CANADIAN ARCHITECT AND BUILDER.

ADAMANT WALL PLASTER.	Page
Adamant Mfg. Co.	II, vi
National Association	40
ARCHITECTS.	
Ontario Directory	III
Quebec Directory	39
ARCHITECTURAL SCULPTORS AND CARVERS.	
Carnovsky, B. H.	III
Gullet, F. B.	III
Hicks, W. Stevens.	III
Holbrook & Mollington	xi
Johnson & Son, Wm.	III
Mowbray, Thos.	III
Turner Frederic	III
Wagner, Zeidler & Co.	iv
ARCHITECTURAL IRON WORK.	
B. Greening Wire Co.	IV
Dennis, R.	xii
Ives & Co., H. R.	IV
Whitfield, John.	II
ART FURNITURE.	
Scott & Son, W.	vii
ART WOODWORK.	
Wagner, Zeidler & Co.	ix
BENT GLASS MANUFACTURERS.	
Polito, T.	II
BUILDERS' HARDWARE.	
Aikenhead & Crombie.	viii
Rice Lewis & Son.	IV
BRICKS (PRESSED).	
Hynes Terra Cotta & Brick Co.	vi
Morrison & Co., T. A.	iv
Toronto Pressed Brick & Terra Cotta Co.	iii
The Ontario Terra Cotta, Brick & Sewer Pipe Co.	vii
BUILDING STONE DEALERS.	
Bristow Bros.	II
Brodie, James.	II
Lyall, Peter.	ii
Morrison & Co., T. A.	iv
Rathbun Co.	vi

BUILDERS' SUPPLIES.	
Adamant Mfg. Co.	II, vi
Adamson, Joseph.	I
Morrison & Co., T. A.	iv
Maguire, William.	iv
McNally & Co.	xi
Rathbun Co.	vi
Vokes, M. & J. L.	xi
CEMENTS.	
Adamant Mfg. Co.	vi
McNally & Co., Wm.	xi
Maguire, William.	iv
McRae & Co.	iv
Morrison & Co., T. A.	iv
Rathbun Co.	vi
Terry, Edward.	iv
Vokes, M. & J. L.	xi
Wright & Sons, C. B.	xi
CHURCH AND SCHOOL FURNITURE.	
Bennet Furnishing Co.	IV
Canadian Office & School Furniture Co.	ii
Office Specialty Co.	iii
Pennington & Baker.	vii
CHIMNEY TOPPING.	
Hansen, Harald M.	ix
CONSULTING ENGINEER.	
Barry, A. B.	III
CONTRACTORS AND BUILDERS.	
Andrews, Francis.	II
Amess, James.	39
Davidson & Kelly.	II
Davie, George.	II
Dick, James, sr.	39
Dagenais, J Benjamin.	39
Hood & Co., C.	II
Hancock, Thomas.	II
Hannah Bros.	II
Humphrey, T. R.	II
Hamilton, Edward.	59
Lyall, Peter.	ii
Murison & Co., John.	39
Thomas & Howell.	II
Turner & Co., G. W.	39
Webb & Claxton.	II
CUT STONE CONTRACTORS.	
Bristow Bros.	II
Curtis & Rowe.	II
Hubbard, H. & T.	II
Isaac Brothers.	II
Johnson & Son, Wm.	II
Oak'ev & Holmes.	II
ELECTRIC LIGHTING.	
Anderson & Co., A. T.	vii
Royal Electric Co.	I
The Keegans-Milne Co.	38
ELEVATORS.	
Ives & Co., H. R.	IV
Leach & Turnbull.	I
Miller Bros. & Toms.	viii
ENGRAVERS.	
Canadian Photo-Eng Bureau.	40
Kramer, W. J.	vii
Wiseman, James L.	xi
FIRE BRICK AND CLAY.	
Colman-Hamilton Co.	x
Wright & Sons, C. B.	x
GALVANIZED IRON WORKS.	
Baird Bros.	v
Douglas Bros.	v
Douglas & Haines.	v
Douglas & Co., John.	v
Hedges & Lankin.	v
Ormsby, A. B.	xii
Tucker & Dillon.	v
GRATES AND TILES.	
Earl & Co., Edward.	ix
Holbrook & Mollington.	vii
Rice Lewis & Son.	IV
Scott & Son, Wm.	vii
Wright & Sons, C. B.	xi
HEATING.	
Burrow Stewart & Milne.	xi
Clare Bros. & Co.	v
Howard Furnace Co.	viii
King & Son, Warden.	xix
McClary Mfg. Co.	v
Ormsby, A. B.	xii
Toronto Radiator Mfg Co.	x
Waterous Engine Works.	xii
IRON FENCES.	
Toronto Drop Forge Co.	ii
LIME AND STONE.	
Wright & Sons, C. B.	xi
IRON PIPE.	
Ives & Co., H. R.	IV
LEGAL.	
Denton & Dods.	III
MANTELS AND OVERMANTELS.	
Earl & Co., Edward.	ix
Scott & Son, Wm.	vii
METALLIC LATH.	
B. Greening Wire Co.	IV
MINERAL WOOL.	
Gast & Atchison.	vii
ORNAMENTAL PLASTERERS.	
Baker, J. D.	II
Hynes Terra Cotta & Brick Co.	vi
Littleford & Thorne.	II
Wright, Jas.	II
PAINTERS.	
Dill & O'Hearn.	II
Gilmor & Casey.	II
Hatch, W. J.	II
Polito, T.	II
Taylor, W. J.	II
PAINTS, VARNISHES, &C.	
Cottingham, Walter H.	IV
Muirhead, Andrew.	ii
PAVING.	
Excelsior Pavement Co.	xii
Forsyth, Robert.	xix
Gardner & Co., A.	IV
PLASTERERS.	
Fox, R. B.	II
Hynes, W. J.	I
Littleford & Thorne.	II
Watson Bros.	II
PLATE GLASS.	
McCausland & Son.	v
Toronto Plate Glass Importing Co.	vii
PLUMBERS.	
Bennett & Wright.	II
McCrae & Watson.	39
PLUMBING SUPPLIES.	
Booth & Son.	iii
Malcolm, W. B.	ii
Sanitas Mfg. Co.	v
St. Johns Stone Chinaware Co.	iii
ROOFING MATERIALS.	
Canada Galvanizing & Steel Roofing Co.	ii
Merchant & Co.	ii
Metallic Roofing Co.	ii
ROOFERS.	
Baird Bros.	v
Duthie & Sons, G.	II
Forbes, Duncan.	II
Hutson, W. D.	II
Metallic Roofing Co.	ii
Ormsby, A. B.	xii
Rennie & Son, R.	II
Saulter, Wm.	II
Shales, John H.	II
Stewart, W. T.	II
The Parmelee Roofing & Paving Co.	II
Toronto Roofing Co.	II
Williams & Co., H.	II
SHINGLE STAINS.	
Cabot, Samuel.	xi
SANITARY APPLIANCES.	
Booth & Son.	iii
Earl & Co., Edward.	ix
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.	xii
Maguire, William.	iv
McRae & Co.	iv
Terry, Edward.	iv
The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co.	vii
The Colman-Hamilton Co.	vii
Vokes, M. & J. L.	xi
Wright & Sons, C. B.	vii
SLIDING BLINDS.	
Clatworthy, Geo.	xi
STAINED AND DECORATIVE GLASS.	
Castle & Son.	v
Dominion Stained Glass Co.	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.	iv
The Bell Art Stained Glass Works.	iv
STRUCTURAL IRON WORK.	
The Dominion Bridge Co.	I
TERRA COTTA.	
Morrison & Co., T. A.	iv
The Hynes Terra Cotta & Brick Co.	vi
Toronto Pressed Brick & Terra Cotta Co.	iii
The Ontario Terra Cotta, Brick & Sewer Pipe Co.	xi
TERRA COTTA FIREPROOFING.	
Rathbun Co.	vi
The Montreal Terra Cotta Lumber Co.	vi
TOWER CLOCKS AND BELLS.	
Gillett & Johnston.	viii
WALL PAPER AND CEILING DECORATIONS.	
Elliott & Son.	II
Murphy, John.	39