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# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY THURSDAY

THIS PAPER REACHES EVERY WEEK THE TOWN AND CITY CLERKS, TOWN AND CITY ENGINEERS, COUNTY CLERKS AND COUNTY ENGINEERS THROUGHOUT CANADA.

Vol. 5.

NOVEMBER 1, 1894

No. 39

## THE CANADIAN CONTRACT RECORD, PUBLISHED EVERY THURSDAY

As an Intermediate Edition of the "Canadian Architect and Builder."

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G. H. MORTIMER, Publisher,

CONFEDERATION LIFE BUILDING, TORONTO.  
Telephone 2362.

New York Life Insurance Building, Montreal.  
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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."

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## Notice to Contractors

### CANADIAN CONTRACTOR'S HAND-BOOK

A new and thoroughly revised edition of the *Canadian Contractor's Hand-Book*, consisting of 150 pages of the most carefully selected material, is now ready, and will be sent post-paid to any address in Canada on receipt of price. This book should be in the hands of every architect, builder and contractor who desires to have readily accessible and properly authenticated information on a wide variety of subjects adapted to his daily requirements.

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Send for a copy of the second edition of the CANADIAN CONTRACTOR'S HAND-BOOK Price, \$1.50; to subscribers, \$1.

## TENDERS

The undersigned will receive tenders until noon of November 12th, for wainscot, canopies, doors, stairways and other new interior woodwork in oak, proposed to be put in St. Patrick's Church, Montreal. The lowest or any tender not necessarily accepted.

W. E. DORAN, Architect,  
120 St. James St., Montreal.

## SITUATION WANTED.

The undersigned, a joiner and carpenter, has long experience carrying on Factory and Building work, is posted on measuring and pricing all departments of building and in conducting contract business generally. Seven years in last situation, ten years in one preceding. He desires employment either immediate or in view of next season. W. FRASER, 21 Clinton St., Toronto.



Sealed Tenders addressed to the undersigned, and endorsed "Tenders for improvement of the Lower Narrows above Pembroke, River Ottawa" will be received until FRIDAY THE 27th DAY OF NOVEMBER next, inclusively, for the improvement of the Lower Narrows of the River Ottawa, above Pembroke, Ontario, according to a plan and specification to be seen at the Post Office, Pembroke, and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied and signed with the actual signatures of tenderers.

An accepted bank cheque payable to the order of the Minister of Public Works, for the sum of four hundred dollars (\$400.00) must accompany each tender. A bid cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,

E. F. E. ROY,  
Secretary.

Department of Public Works,  
Ottawa, 12th Oct 1894.

## INDIAN MORTAR.

The lime used in India is peculiar and is called "khunkur." It is picked up in the beds of rivers and small streams after the rains, and is found sometimes in isolated beds, but generally it is in detached masses composed of pieces about the size that stone is broken for metalling roads. It is of a light gray color, and is burnt in the usual way, either in heaps or in kilns, the latter being preferred; and the percentage obtained is generally about 55 per cent. The mortar used is generally made of 1 part of lime to 1½ parts of "soorkee," which consists of bricks pounded and passed through a sieve of eight meshes to the inch; this mortar is of the best description, being hydraulic, and setting almost better in water than out of it. No sand is found in India sufficiently sharp for making mortar, hence the use by the natives in the first instance, and now by Europeans, of brick-dust, as it may be called, in place of sand for making mortar.

N. Gauthier & Co., contractors, Montreal, have assigned, with liabilities of \$18,000.

## CONTRACTS OPEN.

THORNTON, ONT.—A new brick hotel is to be erected here.

GANANOQUE, ONT.—Grace Methodist church is to be enlarged.

HALIFAX, N. S.—H. B. Clarke will erect a double dwelling on Reuland street.

GUELPH, ONT.—It is proposed to extend the street railway to Waterloo next spring.

NORWOOD, ONT.—P. W. Reynolds proposes erecting a large brick store on Colborne street.

ST. ANDREWS, N. B.—Plans have been prepared for the enlargement of the Algonquin hotel.

VANCOUVER, B. C.—The Knights of Pythias propose building a hall suitable for their purposes.

LAKE TEMISCAMINGUE, QUE.—A. Lumsden is making arrangements to erect a large summer hotel.

MEAFORD, ONT.—A by-law authorizing the construction of a system of waterworks will be voted on by the ratepayers at an early date.

QUEBEC, QUE.—The Jeffery Hall Hospital authorities are said to contemplate the erection of a new building at a cost of \$70,000.

COLLINGWOOD, ONT.—The Toronto House recently destroyed by fire, will be rebuilt at once by Mr. Cook. A brick building will be erected.

ARCHAT, C. B.—John E. Jean, Secretary Building Committee, invites tenders until the 1st of December for the erection of an Episcopal church in this town.

LONDON, ONT.—Tenders for the erection of the proposed Public Library building are invited by the architect, Mr. Herbert Matthews, until Saturday, the 3rd inst.

YARMOUTH, N. S.—Tenders are invited for 30,000 ties for the Coast railway. Information may be obtained from the Nova Scotia Development Co., Lovitt's building.

WILLOWDALE, ONT.—Peter S. Gibson, C. E. is asking for tenders until Saturday next for building a bridge, and for grading and constructing sidewalks on Berkeley avenue.

WYANDOTTE, ONT.—M. L. Brown, C. E., has submitted plans to the Council for a sewerage system for the town. The plan embodies three main sewers, the estimated cost being \$27,000.

MONCTON, N. B.—D. Pottinger, General Manager Intercolonial Railway, will receive tenders until Tuesday the 13th inst. for the supply of ties, switch ties and fence posts required by the railway.

BELLEVILLE, ONT.—St. Andrew's church is to be rebuilt, at a cost of \$30,000. The plans have been prepared by Messrs. Darling, Sprout & Pearson, architects, of Toronto, and tenders will be called for at once.

CARLETON PLACE, ONT.—A by-law to raise the sum of \$25,000 for the erection of apparatus for fire protection, will be voted on by the ratepayers on the 17th inst. A. P. G. Peden, Town Clerk.

ALEXANDRIA, ONT.—Government officials last week inspected the site for the proposed Dominion Reformatory to be located here, and will present their report to the Department of Justice at Ottawa. When the location has been formally approved, building operations will be commenced.

SUMMERSIDE, P. E. I. As the result of the defeat of the by-law to purchase a civic electric light plant, a joint stock company is being formed to install a plant, to be known as the Summerside Electric Light, Heat and Power Co., with F. B. Grady as President. Work will be commenced at once.

VICTORIA, B. C.—During the next session of the Provincial Legislature measures will be introduced to encourage the building of railways to the placer country in the north. There is promise of considerable railway construction in the province, as, in addition to the contemplated extension of the Canadian Pacific railway systems in the Kootenay and O'Kanagan districts, south of the main line, there is a projected road from Ashcroft northward into the Cariboo country.

OTTAWA, ONT.—Tenders are invited by E. F. E. Roy, Secretary Department of Public Works until Friday the 9th inst. for the construction of a wharf at Bass River, Colchester County, N. S. Plans may be seen at the post office, Bass River, and at the above department in this city.

A petition is being circulated to secure an asphalt pavement on Daly avenue. The Department of Railways and Canals is calling for tenders for two sections of the Trent Canal, the date limit being Saturday the 17th inst. The first section is from Balsam lake towards Lake Simcoe and is 5½ miles in length. The second section will extend from Lakesfield towards Peterboro, a distance of 3½ miles, which will include two locks. Plans of the work may be seen at the above department in this city and at the Superintending Engineer's office, Peterboro.

WINNIPEG, MAN.—Dr. W. J. Hinman, has purchased property at the corner of King and Rupert streets, and proposes to erect a well equipped veterinary infirmary.

The Canadian Pacific Railway car shops here are to be enlarged by an addition 145 feet by 45 feet. The statement is made that financial arrangements have been made for the construction of the Hudson Bay Railway, and that work will be commenced at once getting out ties and preparing for construction in early spring. The promoters of the Hudson's Bay Railway recently interviewed the Dominion Government at Ottawa asking financial assistance towards the construction of the road. They are said to have received satisfactory assurance that assistance

would be granted, and arrangements will now be made to commence operations.

HAMILTON, ONT.—W. A. Edwards, architect, is receiving tenders this week for the erection of a brick residence. Thomas Fuller, chief architect of the Public Works Department, Ottawa, recently examined the custom house and post office in this city with a view to making repairs—Messrs Briggs & Lewis, of Toronto, have made application to the Ontario Government for an act to incorporate the Hamilton and Lake Erie Power Company, for the purpose of constructing a canal from some point on Lake Erie near Drummondville, to this city. The canal will be 100 feet wide and 8 feet deep, and the total cost of the scheme is placed at three million dollars. A survey of the proposed route has been made. E. A. C. Pew is one of the projectors.—Messrs Alex. Henderson and F. J. Rastrick have completed the plans of a scheme for the improvement of the water front from the foot of Strachan street to Wentworth street, embodying an esplanade, wharves, a roadway, with space for railway tracks, together with considerable filling in. The plan is thought to be quite feasible, but is considered too expensive to be undertaken by the city at present.

MONTREAL, QUE.—Hon. J. A. Ouimet, Minister of Public Works for the Dominion, has recommended to the Cabinet that steps be taken to provide better harbor facilities for Montreal. At a meeting of the City Council held on Friday last, the reports of the Finance and Road Committees for paving, grading and macadamizing were adopted, and the following work will be carried out: permanent sidewalks on St. Denis street from Mount Royal avenue to Carriere street, cost \$7,027.20, between Rachael street and Mount Royal avenue, cost \$13,999.48; grading and macadamizing of Bourgeois street, from Leber street to Favard street, \$3,000; grading and macadamizing of Lafontaine street, from Delormier avenue to Papineau avenue, \$3,000; the completion of Logan's park boulevard on Sherbrooke street and Papineau avenue, \$15,000; grading and macadamizing Prince Arthur street, from Park avenue to University street, \$5,500; grading and macadamizing of Sanguinet street, from Ontario to Sherbrooke street, \$900; grading and macadamizing Bourgeois street, from Wellington street to the C. T. R. track, \$2,000; grading and macadamizing Darling, Davidson and Cuvillier streets, \$5,600; grading and macadamizing Poupart street, from St. Catherine street to St. Roch street, \$1,550; grading and macadamizing Berri street, from Mount Royal avenue southwards, \$5,500; grading and macadamizing Chambord street, from Mount Royal avenue, and construction of a wooden sidewalk on Rachel street, from Chambord street to Lasalle street, \$7,900; pavement on Berri street, from Craig street to the subway, cost \$8,000.—Bishop Bond, Messrs J. B. Forsyth, of Quebec; A. F. Gault and F. W. Thomas, of Montreal, the trustees and executors of the late Mr. Henry Ogden Andrews, Q. C., will make application at the next session of the provincial Legislature for an act incorporating them and others for the purpose of erecting in this city a charitable institution to be known as the Andrews home. It will be used as an asylum or home for immigrants, strangers and other persons belonging to the Church of England. W. E. Doran, architect, is preparing plans for additions to a residence at Longue Pointe, Que., for W. H. Houghton. J. B. Resther & Son, architects, are preparing plans for a wooden cottage at Sault-au-Récollet, for Mrs. J. C. Robert, for a cottage at Boucherville for M. Germain and for cottage at Ste. Agathe for L. J. Lajoie.

TORONTO, ONT.—The Property Committee of the Public School Board has recommended that the sum of \$1,753 be expended on improvements to Fern avenue school.—The scheme for the erection of a mammoth hotel in Toronto is assuming tangible form, and indications

point to the fact that the undertaking will be carried out at an early date. Efforts are being made to form a joint stock company, with some of the leading business men of the city as provisional directors, Mr. David Walker, the well-known hotel keeper, being the prime mover. Associated with him are Mr. McKenzie, Sir Frank Smith and Sir John Carling. The site proposed is the north-west corner of Front and York streets. Plans for a building to cost upwards of \$1,000,000 have been prepared by Messrs. Strickland & Symons, architects, which provide for a structure of seven storeys. The material to be used will be Berea stone for the first two storeys, and buff pressed brick and terra cotta, with stone facings, for the remainder. It is proposed to make it absolutely fireproof, the partitions to have steel girders with terra cotta brick, plastered.—A petition has been presented to the City Clerk, signed by a majority of the ratepayers on McCaul street, asking that the whole street be paved with asphalt.—Messrs. Darling, Sproatt & Pearson, architects, are inviting tenders until 4 p.m. on the 5th inst. for the erection of a residence on Elmsley place. Plans may be seen at their office in the Mail building.—Tenders are invited by Mr. John Hallam, Chairman Parks and Gardens Committee, until noon on Thursday, the 8th inst., for dredging and filling and for bridge foundations at Island Park. Plans may be seen at the office of the Park Commissioner, St. Lawrence Hall.

#### FIRES.

Fire at Gananoque, Ont., on the 29th ultimo destroyed the following buildings: D. J. Lloyd's lively stable, loss \$2,500; J. W. Bennett & Son's building, loss \$10,000; E. Stunden's building, loss, \$7,000; Turner and Gibson tannery, loss, \$1,500.—Martin, Mitchell & Co.'s grain elevator at Portage la Prairie, Man., was destroyed by fire recently. The loss is estimated at \$20,000 to \$25,000, which is mostly covered by insurance.—A house on Little Champlain street, Quebec, owned by Mr. Beauchamp, has been burned. Loss, \$1,500.—B. H. Rammage's evaporating factory at Waterford, Ont., was consumed by fire on Monday last. Loss, \$1,200; no insurance.—The planing and wood-working shops of Garson, Purcer & Co., contractors for the new asylum buildings at Brockville, Ont., together with valuable machinery, were destroyed by fire a few days ago. Loss, \$7,000; insurance \$2,000.—A four-storey building on Foundling street, Montreal, owned by the Grey Nuns, was damaged by fire last week to the extent of \$3,000.—The Ottawa dairy buildings, situated about four miles north of the city of Winnipeg, were burned to the ground on the 27th ultimo. The loss is \$12,000.—The residence of C. Douglas, at Comber, Ont., has been destroyed by fire.—Knight & Lowe's saw mill at Fourth Chute, Ont., about six miles north of Eganville, was burned on the 30th of October. New machinery had lately been placed in the mill. Loss \$11,000; insurance \$4,000.—Hugh Ryan & Co.'s power house at Sault Ste Marie, Ont., has been destroyed by fire. Loss \$25,000.—Withrow & Hillock's planing mill, George and Queen streets, Toronto, was damaged by fire on Monday to the extent of \$7,000.—A large planing mill at Shubenacadia, N. S., owned by John Layton and valued at \$25,000 was destroyed by fire last week.

#### CONTRACTS AWARDED.

HAMILTON, ONT.—The contract for a sewer on John street north has been awarded to E. C. Murton, at 68 cents per foot.

LOUISBURG, C. B.—Ronald Gillies has been awarded the contract for constructing the Dominion Coal Company's pier here. Contract price, about \$70,000.

LONDON, ONT.—The contract for electric and gas fixtures for the Huron and Erie Bank has been awarded to Rogers & Doss, electrical contractors, of this city

TORONTO, ONT.—John Phillips Bros., of Bellevue avenue, are the successful tenderers for alterations to St. Lawrence market, at the following figures: east wing, \$910, west wing, \$2009, contingencies \$150, total, \$3069. Five tenders were sent in, the next lowest figure being \$3238, and the highest \$4,843.

OTTAWA, ONT.—The contract for the new post-office to be erected at Victoria, B. C., has been let by the Public Works department to Fred. Toms, of this city, the lowest tenderer. The cost of the building will be in the neighborhood of \$200,000.—T. C. Gordon, of this city, representing the Cockerill iron syndicate of Belgium, has been notified that his company have secured the contract from the Department of Railways and Canals for supplying 4,300 tons of steel rails. The price is about \$20 per ton.

ST. CATHARINES, ONT.—The Battle Estate, of Thorold, and Newman Bros., of St. Catharines, have been notified by the Department of Railways and Canals, Ottawa, that their tenders for the following government works have been accepted namely, the construction of a culvert at the junction on the Welland canal, near Welland, Ont., cost about \$3,000, and the construction in concrete of the pier at Port Dalhousie, Ont., cost about \$30,000. Both works will not be commenced until next spring. The culvert to be completed by June 15, 1895, and the pier work by June 15, 1896.

MONTREAL, QUE.—W. E. Doran, architect, has awarded the contract for the painting and decorating of St. Patrick's church to Arnold & Lock, of Brooklyn, N. Y.—Roy & Gauthier, architects, have awarded the contract en bloc for the erection of an orphan asylum at Sorel, Que., to W. Boivin.—W. McLea Walbank, architect, has awarded contracts as follows, for the foundation of a coal oil reservoir for the Bushnell Oil Co.: Wighton & Morrison; for a residence on Sherbrooke street for S. Davis, carpenter and joiner's work, W. Swan; roofing, Geo. W. Reed; plumbing and heating, Jos. Thibault; plastering, Decary, Decary & Beaudoin; tuckpointing, R. G. Farr.

#### BUSINESS NOTES.

J. Benson, builder, Aylmer, Ont., has sold out.

T. R. Earl, builder, Toronto, is reported to have assigned.

L. Ponton, painter, Montreal, is in financial difficulties.

J. H. Warner & Co. have commenced business as plumbers at Victoria, B. C.

The Pennington & Baker Co., manufacturers of school and church seats, Dundas, Ont., have been succeeded by the Valley City Seating Co.

Paquet & Powers, contractors, Levis, Que., have dissolved partnership. The business will be continued under the same name by James Paquet.

A writ has been issued on behalf of J. J. Price, against James Patton, of Hamilton, to wind up the business of the Hamilton Stone Company, and for the appointment of a receiver.

#### USEFUL HINTS.

A French innovation in interior decoration is called "peinture expresse." The process is thus described: A paper covered with a smooth ground, apparently made of some sort of gum, is printed with designs, after the manner of wallpaper, but in oil colors instead of the ordinary color. To apply the decoration, the back of the paper is moistened, and the rolls are then glued back upward on the wall to be decorated, with strong glue. The back of the paper is well worked over with a rubber "squeegee," to press out the superfluous glue and insure adherence, and the whole left to itself to dry. After it is thoroughly dry, ordinary paste is spread over the paper, which, of course, has the back outward, and the work again left for an hour. At the end of this time

the paper will be softened, and nothing remains but to strip it off, beginning at one corner and pulling gradually, when the oil painted pattern will be firmly adhering to the wall or ceiling. The marks of glue can then be washed away from the decoration, and the whole varnished if desired.

In slating or shingling a roof, great care should be taken at the hips, ridges and valleys. Where the roof is shingled, two or three courses should be left off at the ridge until two sides are brought up, then the courses left off should be laid on together, and in such a manner as to have them "lap" over each other alternately. This can be easily done if the workman uses a little judgment in the matter; and a roof shingled in this manner will be perfectly rain-tight, without the ridgeboards or cresting. In valleys, the tin laid in should be sufficiently wide to run up the adjacent sides to prevent "back-flow" from running over it. Ample space should also be left in the gutter to permit the water to flow off freely.

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For the manufacture of clay curb stone, gutters, drains, etc., there is employed in Germany a mixture which consists of 91½ parts of clay, 3 of iron filings, 2 of common salt, 1½ of potash and 2 of ash of elder or willow wood. Gutters, curbs, drains, etc., made of this mass are said to be very resistant and entirely impermeable. For coloring the mass the following directions are given: Two parts of pyrolusite added to 100 parts of the mass give a violet-brown color, while violet is obtained by the addition of 1 part of pyrolusite. With the addition of 1 part of copper scales the mass becomes green; of 1 part of oxide of cobalt, blue, and 2 parts of oxide of antimony, yellow.

An accident to a waste weir is described in a recent paper by Mr. F. A. Creighton on the Dartmouth, N. S., water and sewerage systems read before the Canadian Society of Civil Engineers. The waste weir of the dam was 12 feet wide and built of timber bedded in clay, with a rubble apron at the foot. During the past winter, as the frost worked down through the clay it was expanded and the timbers of the weir were pulled apart. As the frost worked down there was a space between the frozen ground on top and the unfrozen earth below. As soon as the frost had worked below the water line the water began to percolate through the seam and there was a fine opportunity for a small washout to take place. Fortunately the condition of the dam was soon detected and the leak stopped by temporary planking and earth filling.

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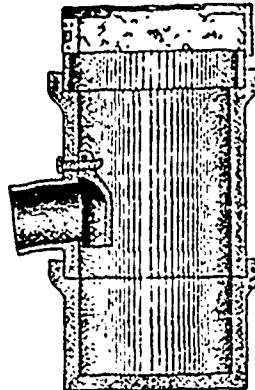
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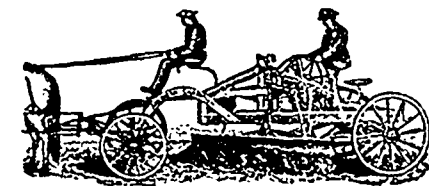
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Prices of Building Materials.

CONDITION OF THE MARKET.

TORONTO: The market remains steady, with possibly a slight improvement. In general hardware the demand is mostly for small lines, such as locks, nails, etc.

MONTREAL: The market is quiet, with few changes to note. The cement season is about over, and all the large orders have been placed.

LUMBER.

CAR OR CARGO LOTS.

Toronto. Montreal.

Table listing lumber prices for various grades of wood, including clear picks, Am ins., and different sizes of planks and shingles.

VAID QUOTATIONS.

Table listing various building materials and their prices, including mill cull boards, shipping cull boards, hemlock scantling, and different types of shingles.

Toronto. Montreal.

Table listing prices for different grades of ash and dressing stocks.

BRICK—M

Table listing prices for common walling, good facing, and sewer bricks.

Pressed Brick, Per M:

Table listing prices for various types of pressed bricks, including Red No. 1, Brown, Roman Red, and Buffalo.

Table listing prices for different types of red bricks, including Don Valley, Red B, and Red C.

Table listing prices for 1st quality, 2nd, and 3rd quality bricks at Port Credit.

SAND.

Table listing prices for sand per load of 1/2 cubic yards.

STONE.

Table listing prices for various types of rubble and stone, including Common Rubble, Large flat Rubble, and Foundation Blocks.

LUMBER.

CAR OR CARGO LOTS.

Toronto. Montreal.

Table listing prices for various types of stone and rubble, including Common Rubble, Large flat Rubble, and Foundation Blocks.

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Toronto. Montreal.

Table listing prices for different types of cement, including Belgian, Canadian, and Roman.

Table listing prices for different types of cement, including Keene's Coarse Whites, Calcined plaster, and Fire Bricks.

Table listing prices for different types of cement, including Lime, Plaster, and Hair.

Table listing prices for different types of cement, including Cut nails, Steel, and various sizes of nails.

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Toronto. Montreal.

Table listing prices for different types of common barrel nails.

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INDEX TO ADVERTISEMENTS

In the "Canadian Architect and Builder."

Large index table listing various services and companies, including Architects, Cements, Heating, Roofers, and various construction materials.