

# CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF

PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

EVERY THURSDAY

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

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**THE CANADIAN CONTRACT RECORD,**  
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 C. H. MORTIMER, Publisher,  
 CONFEDERATION LIFE BUILDING, TORONTO.  
 Telephone 2362.  
 64 Temple Building, Montreal.  
 Bell Telephone 2299.  
 Information solicited from any part of the Dominion regarding contracts open to tender.  
 ADVERTISING RATES ON APPLICATION.

**TENDERS WANTED.**  
 Tenders will be received at the office of the undersigned until noon of Saturday, the 13th inst., for the several trades and work required in the erection and completion of a Women's Building in connection with the Kingston General Hospital, for the Board of Governors. The lowest or any tender will not necessarily be accepted. Contractors will be required to furnish satisfactory evidence of their ability, financial and otherwise, to properly execute the work.  
 POWER & SON, Architects,  
 Lion Block, Kingston.

**WATERWORKS PLANT FOR SALE.**  
 For sale—a waterworks plant consisting of two sets of pumping engines in first class order, and can be seen at the Parkdale Pumping Station, Toronto. One set of 2 1/2 million gals. capacity with fly wheel, steam cylinder 20 inches, and 18 inch stroke, gun metal plungers 12 inches diameter and 12 inch stroke, and one set of 1,500,000 gals. capacity, steam cylinder 24 inches and 12 inch stroke, also two boilers, 4 feet diameter and 12 feet long. The reason for disposing of these is in consequence of Parkdale, a suburb, being annexed to the City of Toronto. These are as good as new, and can be purchased at a large reduction on cost price; also 150 feet of 16 inch, and 600 feet of 12 inch, Ward joint flexible intake pipe. Apply to John Lorton, 1457 Queen st. West, Toronto.

**USEFUL HINTS.**  
 Apparently nothing is more effectual in adding breadth and depth to a room than a panel ceiling. The banquetting rooms of some old castles are fine examples of this illusion in decoration.

Plate-glass bricks are reported by *Iron* to have been made from the sand which is a residue of the process of grinding of plate glass. The quartz sand which is mingled with particles of iron and glass is dried and forced into a mold. The bricks thus obtained are subjected to a temperature of 2,732 Fahr., with the result of a fusion which forms a white brick claimed to be frost and acid proof.

To DETECT EARTHY MATTER IN STONE.—Break off a few chippings about the size of a shilling with a chisel and a smart blow from a hammer; put them in a glass about one-third full of clean water; let them remain undisturbed at least half an hour. The water and specimens together should then be agitated by giving the glass a circular motion with the hand. If the stone be highly crystalline, and the particles well cemented together, the water will remain clear and transparent, but if the specimens contain uncrystallized earthy powder, the water will present a turbid or milky appearance, in proportion to the quantity of loose matter contained in the stone. The stone should be damp, almost wet, when the fragments are chipped off.

Analysis of ancient mortars from some of the castles and churches of England have been compared by a contributor to *The Builder*, who draws the following conclusions from them: 1. That the proportions of lime have been found to vary considerably, and that a high percentage is not necessarily indicative of superior quality. 2. That the proportions of sand have also been found to vary considerably, and that, on the whole, the specimens which contained the most were generally of superior quality, but that in no case did the proportion of sand to lime exceed in round numbers that of 2 to 1, which is very much less than is usually found in modern mortar, whilst in jerry mortar it is often as much as 9 to 1. 3. That the proportion of gelatinous or hydrated silica found in a mortar is a reliable indication of its durability and tenacity, and that the higher the percentage of this constituent, the more closely will such approach the character of cement. 4. That in the examination of local limestone as to their suitability for building purposes, the relative richness in this gelatinous silica should be specially reported upon.

**TO CONTRACTORS.**  
 Tenders will be received by the undersigned up to FRIDAY, MAY 12TH, at 6 p.m., for the several works required in extensive Alterations and Additions to St. James Episcopal Church, Paris, Ont. Plans and specifications prepared by Mr. Geo. W. Gouinlock, Architect, Toronto, may be seen and all information obtained at the offices of  
 C. M. FOLEY, Barrister,  
 Paris, Ont.  
 The lowest or any tender not necessarily accepted.

**To Contractors.**  
 A new edition of the *Canadian Contractors' Hand-Book* is now in press, and will be published before the first of June.  
 The Hand-Book has undergone thorough revision. Everything not considered to be of the greatest practical value has been eliminated from the new edition, while the size of the work has been increased by the addition of seventy-five pages of entirely new material. 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.  
 C. H. MORTIMER, Publisher,  
 Confederation Life Building, TORONTO.

**NOTICE TO CONTRACTORS.**  
**CANADIAN PACIFIC RAILWAY**  
 Sealed tenders addressed A. L. Hertzberg, Engineer Canadian Pacific Railway, Toronto, Ont., will be received up to noon of  
**MAY 10TH, 1893,**  
 for the placing by the 15th of September, 1893, of about 250,000 cubic yards, or any part thereof, of filling in Toronto harbour between John and Lorne Streets for the Canadian Pacific Railway.  
 Plans, specifications and form of tender can be seen at the Engineer's office, Toronto.  
 The company reserve the right to reject any and all tenders.  
 J. W. LEONARD,  
 Gen. Supt.  
 Toronto, April 28th, 1893.

**Notice to Contractors**  
**PAVEMENTS ON TRACK ALLOWANCES.**  
 Time for Receiving Tenders Extended to May 10, 1893.  
 Notice is hereby given that the time for the reception of tenders for the various asphalt pavements on the  
**TRACK ALLOWANCES**  
 is extended from Saturday, April 29, 1893, to WEDNESDAY, MAY 10, 1893, at 11 o'clock a.m.  
 DANIEL LAMB,  
 Chairman Committee on Works,  
 Committee Rooms, Toronto,  
 April 28, 1893.

**Notice to Contractors**  
**Pavements on Track Allowances.**  
 Tenders will be received by registered post addressed to the City Engineer, Toronto, up to 11 o'clock a.m. on SATURDAY, MAY 13TH, 1893, for the construction of the following Pavements on Track Allowances:  
 College street, from Dufferin street to Jameson avenue, vitrified brick or cedar with toothing, on concrete.  
 Jameson avenue, from College street to Dundas street, vitrified brick, or cedar with toothing, on concrete.  
 Also Asphalt Pavements on Richmond street, from Bay to Victoria street. Earl street, from Sherbourne street to its west end.  
 Specifications may be seen, and forms of tender obtained, on and after Saturday, May 6th, 1893, at the office of the City Engineer.  
 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 material tendered for under \$1,000, and 25 per cent on the value of the material tendered for 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.  
 DANIEL LAMB,  
 Chairman of Committee on Works,  
 Committee Rooms, Toronto, May 1, 1893.

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."  
 Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publisher of any irregularity in delivery of paper.

**BARTER AND EXCHANGE.**  
 This department has been opened for the speedy barter and exchange of second-hand plant or material, or small lots of new or second-hand materials by builders and others not regularly engaged in the sale of such articles. Advertisements other than those of the above description will not be inserted.  
 Rates—12 words and under, 15 cents; each additional word, 1 cent (three figures count one word); on two or more subsequent insertions a discount of 10 per cent. will be allowed. Not more than four insertions of an advertisement can be granted.  
 Replies to advertisements may be addressed to a box at this office, in which case necessary stamps must be sent for re-mailing replies. Advertisements for this department must be prepaid.

**TO DRAUGHTSMEN.**—About 2 1/2 quires of Whatman's Drawing Paper for sale (Imperial size), only \$5 for the lot. Box 151 at this office.

**TENDERS**  
 for the immediate purchase and removal of Nos. 94 to 104 Scollard Street, also one top buggy, received at No. 6, Shaftesbury Place, Toronto North; new lumber or bricks taken in exchange.

**TENDERS WANTED.**  
 Tenders will be received by the undersigned up to SATURDAY NOON, MAY 6TH, 1893, for supplying  
**Cast-Iron Pipe for a Submerged Main.**  
 Plans and specifications may be seen at the office of this paper. Each tender must be accompanied by a marked cheque or cash deposit equal to 5 per cent. of the amount of the contract.  
 The lowest or any tender not necessarily accepted.  
 THOS. F. MCGUIGAN, City Clerk,  
 Vancouver, B.C., March 30th, 1893.