

# 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. 4.

SEPTEMBER 21, 1893

No. 31

## THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY THURSDAY

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,

CONFEDERATION LIFE BUILDING, TORONTO.  
Telephone 2732.

64 Temple Building Montreal.  
Bell Telephone 2399.

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

ADVERTISING RATES ON APPLICATION.

At its Convention held in Toronto, Nov. 30 and 31, 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: "Resolved by the Provincial Association of Architects 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.



## Notice to Contractors

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to 11 o'clock a.m. on SATURDAY, SEPTEMBER 30TH, 1893, for the construction of the following work:

### PAVEMENT ON TRACK ALLOWANCE

on Broadway avenue, from Queen street to Gerrard street, Cedar Block on Concrete, with toothing on track allowance.

Plans and specifications may be seen and forms of tender obtained on and after Thursday, 28th September, 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 work tendered for under \$1,000, and 10 per cent. on the value of the work 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 best or any tender.

DANIEL LAMB,

Chairman Committee on Works.

Committee Room, Toronto, Sept. 19, 1893.

## BEETON WATERWORKS.

Scaled Tenders will be received by the undersigned up to 9.30 p. m. of the

2nd October, 1893.

Plans and specifications will be ready during last week of this month and may be seen at the Clerk's office, Beeton, Ont., 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 payable to the corporation for 7 per cent. of tender. The corporation reserves the right to reject any or all tenders.

ROBT. SCOTT,

Chairman of Waterworks Committee.  
Beeton, Ont.

## Notice to Contractors

### CANADIAN CONTRACTORS' HAND-BOOK

A new and thoroughly revised edition of the Canadian Contractors' 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.

Price, \$1.50, to subscribers of the CANADIAN ARCHITECT AND BUILDER, \$1.00. Address

C. H. MORTIMER, Publisher,

Confederation Life Building, TORONTO.

Montreal Office:  
64 Temple Building.

### SOME VALUABLE TESTS.

The Austrian Society of Engineers have made an important series of tests of metal with reference to bridge building. Some 216 mechanical tests were made by the committee having the matter in hand to determine the quality of wrought iron, of basic Bessemer and basic open hearth steel, the conclusion being that the latter excels all the others in resistance to the mechanical attack and distortion. Tests were made on lattice girders of thirty-two feet ten inches length and three feet eleven inches depth, the whole number of girders tested, being ten, viz., four of basic open-hearth steel, two of basic Bessemer, and four of wrought iron, some of the latter being Styrian iron, with a tensile strength of 58,000 to 61,000 pounds, and an elongation in eight inches ranging between twenty and twenty-eight per cent. The Bohemian iron used had a tensile strength of 47,500 to 53,500 pounds, and elongation of eight to ten per cent. The basic open-hearth metal was chemically good in quality, and ranged in tensile strength from 50,000 to 66,000 pounds, with twenty-eight and twenty-six per cent. elongation. The basic Bessemer showed extremes of 50,000 pounds, with seventeen per cent. stretch. Notwithstanding the fine quality of the Styrian iron the committee gives a decided preference to basic

open-hearth steel; with basic Bessemer steel the difficulty experienced is in producing uniform material, and the steel is also sensitive to surface injury.

### CONTRACTS OPEN.

PETERBORO, ONT.—Mr. George Matthews will double the capacity of his pork-packing establishment in this town.

DESERONTO, ONT.—Mr. John Dalton has purchased three lots on West Main street on which he intends to erect a factory.

KALSO, B. C.—Over \$3,000 has been subscribed by the citizens towards the cost of constructing a system of water-works.

HALIFAX, N. S.—The Board of Works of the City Council has decided to borrow the sum of \$20,000 for permanent pavements.

HULL, QUE.—The by-law submitted to the ratepayers on the 16th inst. to raise the sum of \$40,000 for extending the waterworks, was defeated.

BRANDON, MAN. The Brandon Electric Light Company invites tenders until the 10th of October for the purchase of eighty bonds of \$250 each, payable in five years.

WATERLOO, ONT.—On the 13th of October the ratepayers will be asked to vote on a by-law to raise the sum of \$16,000 for the purpose of constructing a system of sewerage for the town.

GALT, ONT.—At the last meeting of the Waterloo Township Council the trustees of School Section No. 16 were authorized to borrow the sum of \$1,000 for the purpose of erecting a new school house.

KEPPEL, ONT.—Mr. John Clark, Reeve of the Township of Keppel, invites tenders until the 4th of October for draining Shallow Lake. Plans may be seen at the office of R. McDowall, C. E., Owen Sound.

HEMINGFORD, QUE.—Tenders are invited by J. Ducharme for the erection of a new church and vestry in this town. Plans may be seen at the office of A. Prolontaine, architect, 35 St. James street, Montreal.

BRITTON, ONT.—Mr. James Burke will receive tenders until the 23rd inst. for the erection of a brick cheese factory 32 x 60 feet in size, curing room same size, brick boiler house, stone cellars, etc. Plans may be seen at the office of W. E. Binning, architect, Listowel.

NANAIMO, B. C.—The new wharf to be erected in place of the present structure is to be built and operated by a joint stock company, with a capital of \$10,000. It is expected that work will be commenced early in October. The wharf will have a frontage of 210 feet, and will be built under the supervision of Mr. W. L. Lynn, C. E.

KINGSTON, ONT.—Notice has been given by the Council that artificial stone sidewalks will be constructed on Princess

street, between King and Wellington streets, and on same street between Montreal street, and Lot No. 9, at an estimated cost of \$1,164 and \$1,145 respectively.—F. C. Ireland, City Treasurer, invites tenders until the 2nd of October for the purchase of \$32,000 worth of debentures.

LONDON, ONT.—Mr. J. H. Vanstone will erect a brick residence on Stanley street, to cost \$1,600.—Messrs. Moore & Henry, architects, invite tenders until 5 p. m. to-day (Thursday), for the erection of a brick residence on Clarence street.—The City Engineer has prepared a statement of the probable cost of an electric light plant for lighting the streets of the city, and the matter will be considered by the City Council.

VICTORIA, B. C.—Messrs. Burwell & Irving have given notice that application will be made at the next session of Parliament for an act to incorporate a company to construct and operate a line of railway from some point on the Gulf of Georgia, in Delta Municipality, thence to the city of New Westminster, with power to construct a branch line extending from some point in Delta Municipality through the municipalities of Surrey, Langley and Matsqui to a point near Abbotsford.

VANCOUVER, B. C.—Messrs. Palmer & Corrigan, Civil Engineers, have just completed plans for the new pile bridge across the North Arm of the Fraser river opposite the old North Arm road. The length will be upwards of 1,900 feet. It will consist of three parts, two small islands being in the line of construction. The first section will be 536 feet in length, having two spans of 80 feet each, with a swing 182 feet in length. The second section will be 150 feet in length, in spans of 40 feet, and the third 1220 feet.

WINNIPEG, MAN.—One of the conditions by which a certain part of Fort Rouge was embraced within the city limits was the construction of a bridge at Boundary street within a certain period. At the last session of legislature the application for an enlargement of the period was refused. An effort will therefore be made to build the bridge this winter, and the matter will be brought before council at an early date.—Mr. J. C. Gordon is making arrangements to commence the erection of a drug store on Main street, near the Manor hotel, estimated to cost \$6,000.—The erection of several large business blocks is contemplated during next year.

HAMILTON, ONT.—Tenders are wanted at 70 Pearl street until the 25th inst. for the erection of a two-story brick dwelling.—Messrs. J. H. Tilden and John Milne, of this city, and Robert Jaffray, of Toronto, are three of the projectors of the proposed smelting works. The company will ask for a charter of incorporation. The amount of the capital stock is \$1,000,000.—Building permits have been granted as follows: Robert Henderson, two-story brick dwelling on East avenue, between Wilson and Evans streets, cost \$1,100; James Hobbs, two-story brick dwelling on Wentworth street, between Cannon and