

CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL OF PUBLIC WORKS, TENDERS, ADVANCE INFORMATION AND MUNICIPAL PROGRESS EVERY SATURDAY

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THE CANADIAN CONTRACT RECORD,

A Weekly Journal of Public Works, Tenders, Advance Information and Municipal Progress.

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64 Temple 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 have 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 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 SEWER.

Sealed tenders addressed to the undersigned by registered mail, will be received up to 6 p.m. on THURSDAY, MARCH 31ST, for the construction of a Brick Sewer, 2 ft. 6 in. x 3 ft. 9 in., on Ontario Street, (total length about 950 feet), in accordance with plans and specifications prepared by the Town Engineer, and which may be seen and full information obtained at the said Engineer's office, Toronto Junction.

All tenders must be made on the form supplied by the corporation, and may be had on application to the said Engineer.

A deposit in cash or marked cheque, payable to the order of the Town Treasurer, equal to 2 1/2 per cent. of the contract price, must accompany each and every tender.

Tenders must be marked "Tender for Ontario Street Sewer."

The Council reserves the right to reject the lowest or any tender.

ROBT. J. LEIGH,
Clerk.

Toronto Junction, March 11, 1892.

NOTICE.

THE HYNES TERRA COTTA & BRICK CO. IN LIQUIDATION.

Tenders will be received by the undersigned until MARCH 20TH, 1892, for the whole or part of the following assets of the said Company:

(1) Stock of manufactured TERRA COTTA, very complete.

(2) Full stock of MOULDS and MODELS, for use in the manufacture of Terra Cotta.

(3) Valuable plaster MODELS and CASES, all mounted and in good order.

(4) Stock of manufactured CENTRE FLOWERS and BRACKETS.

(5) RENEWABLE LEASEHOLD PROPERTY in the City of Toronto, being Water Lot, having thirty-three feet frontage on the south side of Esplanade extending to the Windmill line nearly opposite Jarvis Street, with two kilns and buildings erected thereon, and boiler, engine, pug-mills, hand-presses, and a quantity of shafting, belting and pulleys.

The large FOUR STOREY BUILDING and premises on the south side of the Esplanade, being the easterly part of the premises now occupied by the said Company, are TO BE LET to a good tenant. Possession can be given at once.

The highest or any tender not necessarily accepted.

Full particulars regarding all the assets and property above mentioned can be had on application to

H. W. SMITH,

Liquidator of the Hynes Terra Cotta and Brick Company, No. 61 Canada Life Building, Toronto, or on premises,

or to WICKHAM, THOMPSON & FITZGERALD, Barristers Toronto.

TO CONTRACTORS.

Sealed tenders will be received at the offices of the undersigned architects until noon of MONDAY, THE 28TH OF MARCH, for all trades required in the erection of a new Library Building for the McGill University, Montreal. Each contractor must be prepared to provide, if called upon, two approved sureties to the full amount of his contract. It is not guaranteed that the lowest or any tender will be accepted. Plans and specification may be seen on and after the 15th of March at the offices of

MESSRS. TAYLOR & GORDON,
43 St. Francois-Xavier St., Montreal.

TENDERS FOR PAVING.

Sealed tenders addressed to the undersigned by registered mail will be received up to 6 o'clock p.m. on Thursday, March 31st, 1892, for paving the Keele street subway and approaches thereto with scoria, tamarac and cedar block, in accordance with plans and specifications prepared by the Town Engineer, and which may be seen and full information obtained at the said Engineer's office, Toronto Junction.

All tenders must be made on the form supplied by the corporation, and may be had on application to the said Engineer.

A deposit in cash or marked cheque, payable to the order of the Town Treasurer, equal to 2 1/2 per cent. of the contract price, must accompany each and every tender.

Tenders must be marked "Subway Paving."

The Council reserves the right to reject the lowest or any tender.

ROBT. J. LEIGH,
Clerk.

Toronto Junction, March 11, 1892.

MOSAIC.

Critics are divided in opinion as to the origin and meaning of the word *mosaic*, some deriving it from *mosaicum*, a corruption of *musaeum*, which in its turn was a corruption of *musivum*, the name by which it was known to the Romans. Scaliger derives the name from the Greek and imagines that the name was given to this sort of work as being very fine and ingenious. The materials thus inlaid or joined in small pieces are very various, comprising precious stones, marble, stone of inferior quality, plaster, enamel, wood, etc., and there is evidence that the art of working such fragments into an ornamental device was known in high antiquity, for the tessellated pavements of the ancients are clearly examples of mosaic work. We are told in the book of Esther that in the palace of Ahasuerus was "a pavement of red, and blue and black marble." *National Builder.*

REPARATION OF ZINC CASTING.

According to *Iron*, flaws in zinc casting for ornamental work, or the like, can be concealed by the following preparation. A water glass solution of 33 degrees B, is stirred with Spanish white, adding zinc powder (so called zinc gray) until a period of from six to eight hours, has hardened into an extraordinary solid gray compound. This is polished with an agate stone, when it assumes the brilliant white color of metallic zinc. The material is then applied to damaged or faulty zinc ornaments and utensils, the reparation effected being of a permanent nature. This cement is adapted for use on stone and wood as well as on metal and glass.

RESISTANCE OF MASONRY ARCHES.

The Austrian Society of Engineers and Architects is now engaged in a series of very important experiments on the resistance of masonry arches. Sufficient is now known of the strength and elasticity of stone and cements, says *Engineering London*, to render the theory of the elastic arch applicable to masonry arches which have been and still are designed purely by empiricism, so that in many cases very little is known as to the actual stresses carried by the structures, and there is no doubt that the factor of safety is in many cases excessive. The experiments to be carried out will afford data as to the permissible working stresses, and the design of arches will therefore be simplified. One group of experiments will be devoted to researches of the elastic and resistant properties of the materials to be used in constructing the arches to be experimented on. A second set of experiments will be made on the brick, concrete and terracotta floors now so commonly used in warehouses, and a third set on arches for bridges of seventy-five feet span.

CONTRACTS OPEN.

ESTERPRISE, ONT.—The Methodists of this place will erect a new church.

NORTH GOWER, ONT.—A new church is being erected here. Rev. R. Atkinson, pastor.

BRANTFORD, ONT.—It is said that the Massey-Harris Co. intend to enlarge their works.

PORTAGE LA PRAIRIE, MAN.—The Catholics contemplate the erection of a new church.

SIMCOE, ONT.—Mr. Geo. Jackson is preparing plans for a new registry office in this town.

CLAYTON, ONT.—The railway dock is to be extended and a covered walk built from the docks to the depot.

GORRIE, ONT.—The Methodists have decided to erect a new church. Nearly \$3,000 has already been subscribed.

MINESING, ONT.—The Methodists of this place are talking of building a new church during the coming summer.

WROXETER, ONT.—The sum of \$4,000 has been subscribed towards the erection of a new Presbyterian church.

WOODSTOCK, ONT.—The congregation of Knox Church has decided to erect a new church to cost about \$35,000.

FLESHERTON, ONT.—Tenders are wanted to erect a brick dwelling house. Plans at Mr. Clarke's residence, this village.

DUCK LAKE, MAN.—A by-law has been carried authorizing the issue of debentures for the purpose of erecting a new school building.

WHITFIELD, ONT.—Mr. Geo. Laking will receive tenders until the 28th inst. for brick cladding and repairing the Methodist church at this place.

NIAGARA FALLS SOUTH, ONT.—At a recent meeting of the School Board it was decided to build a new high school building, to cost about \$10,000.

NAPANEE, ONT.—The Gibbard Furniture Co. will shortly commence the erection of their new factory, which will be equipped with the latest improved machinery.

VANCOUVER, B. C.—Mr. C. Sweeney, manager Bank of Montreal, is calling for tenders for a new bank building. Messrs. Taylor & Gordon, architects.

WOODSTOCK, N. B.—Specifications and plans for the proposed bridge across the river have been issued and tenders for the construction of the piers are called for.

FERGUS, ONT.—Tenders are wanted for the erection of a stone hospital at the Wellings House of Industry. Mr. J. I. Holson is chairman of the Building Committee.

WELLAND, ONT.—Mr. Richard Gould will receive tenders until the 19th inst. for the erection of a new school house. Plans and specifications to be seen at Mr. F. Hodgkins.

OWEN SOUND, ONT.—A deputation has been appointed to interview the Dominion Government with a view to securing a grant for further harbor improvements and a new post office.

MEAFORD, ONT.—A meeting of those interested in the construction of a railway from this town