

56. Canadian Institute  
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# THE Canadian Contract Record

A Weekly Journal of Advance Information and Public Works.

Vol. 1.

Toronto and Montreal, Canada, July 5, 1890.

No. 21

## 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.

Temple Building.

Montreal.

Bell Telephone 2299.

The purpose of this journal is to supply Contractors, Manufacturers and Dealers throughout Canada, with advance information regarding contracts open to tender and to furnish Architects, Municipal and other Corporations with a direct medium of communication with Contractors.

Information from any part of the Dominion regarding contracts open to tender will be gratefully received.

### 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 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.

### USEFUL HINTS.

A furnace should be so located or so placed as to have the hot-air pipes as nearly as possible of equal length, avoiding sharp angles and giving them an elevation of at least an inch to the foot. The parts of the building most exposed to cold winds should have preference of large pipes and elevation.

**FIRE-PROOF MATERIAL.**—What is the most fire-proof material of which a house can be built off? Such is the question that a number of experts have recently been publicly examined on in New York. The answer they have nearly all given is reassuring. The most fire-proof thing in the world, according to their joint testimony, is—a common brick. Mr. Edward Atkinson, the greatest authority of all, states that in the construction of buildings preference may well be given to brick, it having already successfully passed through trials by fire. Granite is one of the most unsafe materials, being filled with hygroscopic water in the pores of the stone, which is converted into steam by moderate heat; thereby reducing the stone to sand, and quickly destroying the bearing surfaces between the blocks, by rounding off each corner of each separate stone. Marble is also a very unsafe material, being reduced by heat to lime. A good quality of sandstone may stand fire a little longer, but there is nothing equal to brick. Cast-iron girders are absolutely unfit to use unless buried in concrete, so that the heat of a fire cannot reach them. Cast-iron pillars are exceedingly treacherous, and may well be protected by any of the customary non-heat conducting materials which are in use for that purpose.

CALENDAR.													
1890				1890				1890					
Jan.	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2	3	4	5	6	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31											
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15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31											
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15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31											



### CONTRACTS OPEN.

- QUELPH, ONT.**—A new school is to be erected in the North Ward.
- CALGARY, N. W. T.**—Tenders are wanted for the construction of the Calgary and Edmonton railway.
- PORTAGE LA PRAIRIE, MAN.**—The Local Government has selected sites for gaol and court house buildings.
- PICTON, ONT.**—A committee of Methodists will ascertain what amount can be secured towards a new edifice.
- DARTMOUTH, N. S.**—Twelve thousand dollars is to be raised by debenture for the erection of new school buildings.
- HAMILTON, ONT.**—Work will be begun on the enlargement and improvement of St. Mark's Church about August 1st.
- LONDON, ONT.**—A by-law has passed the council authorizing the raising of \$70,000 by debenture to extend the water-works system.
- KINGSTON, ONT.**—The construction of the memorial chapel to be erected in rear of St. Mary's cathedral will be proceeded with at once at a cost of \$13,000.
- WALKERTON, ONT.**—Mr. Moore, C.E., of London, Ont., is engaged preparing an estimate of the probable cost of a system of water-works for the town.
- SINTALUTA, ASSA.**—Our hotel and livery stable keeper contemplates erecting a house which will cost in the neighborhood of \$1,500, also a new concrete stable.
- CHATHAM, ONT.**—Mrs. Arthur Richardson, Assistant Secretary, will receive tenders until the 23rd inst., for putting in the "Home for the Friendless," a complete hot water heating system.
- BROMPTON FALLS, QUE.**—Tenders will be received by the municipal township council until the 17th inst., for the construction of abutments for an iron bridge across the river St. Francis at this point.
- SMITH'S FALLS, ONT.**—Archbishop Cleary has been here several times recently on business connected with the proposed enlargement of the church of St. Francis de Sales, which will cost in the neighborhood of \$18,000.
- WIARTON, ONT.**—Tenders are invited by the Department of Public Works, Ottawa, until Tuesday, the 8th inst., for the construction of an extension to the breakwater at this place. All information obtainable from postmaster here.
- WINNIPEG, MAN.**—The report of the engineer who has just completed the survey of the route of the Manitoba and Southeastern Railway from this city to St. Anne, will shortly be presented, when the contract for grading that portion of the road will immediately be let.
- OWEN SOUND, ONT.**—The G. T. R. propose to extend their line to this town if the council will supplement the grant of \$3,200 secured from the Dominion Government.—Mr. Kennedy, Town Engineer, will receive tenders until July 14th, for iron pipe for the Water-Works Department.
- BRANTFORD, ONT.**—A ten foot asphalt sidewalk is recommended to be laid on the west side of the market square, between Colborne and Dalhousie