

THE Canadian Contract Record

A Weekly Journal of Advance Information and Public Works.

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THE CANADIAN CONTRACT RECORD,

*A Weekly Journal of Advance Information
and Public Works.*

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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.

A NOVEL WROUGHT IRON CHIMNEY.

The following are particulars of a wrought-iron factory chimney, of a somewhat novel description, which has been built at Creusot. The total height is 279 feet, the diameter 23 feet at the base and 7 feet 6 inches at the top, the total weight being 80 tons, exclusive of masonry foundations. The latter are carried 3 feet 3 inches above the ground, and weigh about 300 tons. The shaft was built in successive rings, each 4 feet 1 inch high, the thickness varying from 9-16 inch at the base to 1/2 inch at the top. The nine lower rings were formed of eight plates each, the upper ones of four plates each. The base was encircled by a massive angle iron bolted to the foundation. The eight lower rings were lined with firebrick. The erection of the chimney occupied 70 days, including taking down the flying scaffold. The latter was of a somewhat novel character. It consisted of a central wrought-iron tube 7 inches in diameter, and provided at the bottom with four wooden cross-bars or arms, so clamped that their length could be adjusted to suit the varying diameter of the chimney, and carrying the internal platform. These arms rested on angle brackets refitted to the interior of the plates. The upper part of the central tube carried four cross arms or jibs, each consisting of a pair of timbers stiffened by raking struts from the central tube. From their outer ends was slung the exterior circular platform. The latter consisted of a pair of angle iron rings, to the outer part of which was riveted a plate iron fence, while the inner was provided with T-iron stanchions. Radial bearing timbers, resting on these rings, and adjustable endwise to suit the varying diameter of the chimney, carried the platform, an annular space being left just sufficient for hoisting the plates. The latter operation was effected by a rope passing over an adjustable pulley fixed to each jib in turn, and carried down a central tube to a snatch block fixed at the bottom of the chimney. As each successive ring was riveted up, two pairs of bars were laid across, by which the scaffold was slung by four jack screws furnished with ratchet collars, and thus raised high enough to take a bearing, on the next set of angle brackets. The complete scaffold weighed about four tons and the heaviest plate about 8 cwt. The total cost without foundations, was about \$8,000. *Engineering News.*

1890		1890		1890	
Jan.	Feb.	Mar.	Apr.	May	June
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CONTRACTS OPEN.

- CALEDONIA, ONT.**—A new Presbyterian manse is to be erected.
- EAST TORONTO.** The council ask tenders for gravelling Beach avenue.
- QUEBEC.**—Mr. Chas. Baillairge, City Engineer, is about to erect a residence here.
- MADOC, ONT.**—The citizens are agitating the question of the erection of a new post office.
- BRANTFORD, ONT.** Tenders for the erection of the new public school will be received until Monday, 21st inst.
- VICTORIA, B. C.**—Plans have been prepared by Mr. J. Hooper for a handsome residence for Mr. J. Dougall.
- WOODSTOCK, ONT.**—Messrs. Cuthbertson & Fowler have prepared plans for the new school houses at Ayr and Drumbo.
- HALIFAX, N. S.** A syndicate of capitalists are perfecting arrangements for the erection of a first-class hotel in the central part of the city.
- LONDON, ONT.**—At a meeting of the Building Committee of St. Paul's Cathedral held on the 14th inst., it was decided to proceed at once with the work of remodelling and extending the church.
- WINDSOR, ONT.**—Tenders are wanted for the construction of the electric lighting plant to consist of three fifty-light arc dynamos, with 2,000 candle power each, together with all machinery, including boiler, steam engine and steam pump. The work must be completed by September 13.
- HAMILTON, ONT.**—The plans have been prepared for the proposed building for the Royal Templars of Temperance, but a suitable site has not yet been found.—The management of the general hospital have suggested to the City Council the advisability of erecting a new maternity wing to that institution.
- LEAMINGTON, ONT.**—The Secretary of the Public School Board will receive tenders until noon on July 31st for the erection of an eight-room school. Contractors to give estimates with and without the old building included, as a rebate, and with either a slated or shingled roof. Plans and specifications can be seen at the Leamington post office.
- KINGSTON, ONT.** The Council has passed a by law which will be submitted for approval to the people, authorizing the erection of a fire-hall in the upper portion of the city. The Board of Trade urges the Government to erect grain elevators at this point. Queen's College Missionary Association will erect a new mission church. The council gives notice of its intention to construct a sewer on Brock street at an estimated cost of \$2,560.
- TORONTO, ONT.** City Engineer Jennings is preparing plans for the reconstruction of the Yonge street sewer, from Anne street to Bloor street, and of the Queen street sewer, from John street to Beverley street.—The purchase of the old asylum water works property at the foot of Strachan avenue has been recommended as the site for a garbage crematory. Tenders accompanied by plans and specifications are wanted by the Markets and License Committee of the City Council for improving the heating arrangements at the jail. The Council at its last meeting resolved to proceed with the erection of the Dundas street bridge, but an injunction has been applied for to restrain them from doing so.—The following building permits have