

# The Canadian Engineer

*A weekly paper for engineers and engineering-contractors*

## BRIDGE ACROSS THOMPSON RIVER, LYTTON, B.C.

A FEW ILLUSTRATIONS AND A SHORT DESCRIPTION OF THE CONSTRUCTION OF THE NEW BRIDGE COMPLETED IN JUNE, 1914, BY THE PROVINCIAL GOVERNMENT, AND SPANNING THE THOMPSON RIVER AT LYTTON, B.C.

IN August of last year, the government of British Columbia commenced the construction of a bridge, which was designed by E. A. Stone, M. Can. Soc. C.E., M. Inst. C.E., Consulting Engineer, Vancouver. The structure was erected under the supervision of J. E. Griffith, Deputy Minister and Chief Engineer of

the added height of level, that of the new bridge being 40 feet above that of the old.

The contract for both the supply of the material for the sub-structure of the bridge as well as for the entire construction was awarded by the government to the Graff Construction Company. The material used was concrete,

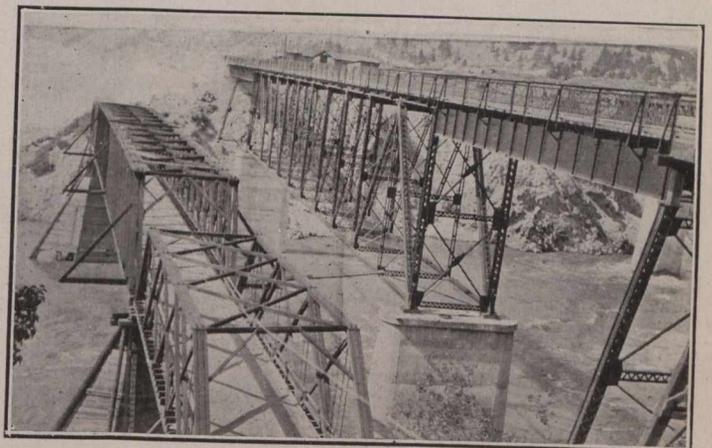


Fig. 1.—Old and New Bridges in Contrast.

the Provincial Department of Public Works, and was completed in June, 1914. It crosses the Thompson River, just above the junction with the Fraser, at a site lying between that of the old government's wooden bridge and the crossing of the Canadian Northern Railway. Fig. 1 illustrates the former structure and also shows in contrast the old and new bridges. The superior excellence in the appearance of the latter is self-evident, as is also

and of that 2,000 yards were required. This concrete rests on a rock foundation, which is dry at extreme low water; and was deposited by means of buckets suspended from a cable running across the river, as shown in the

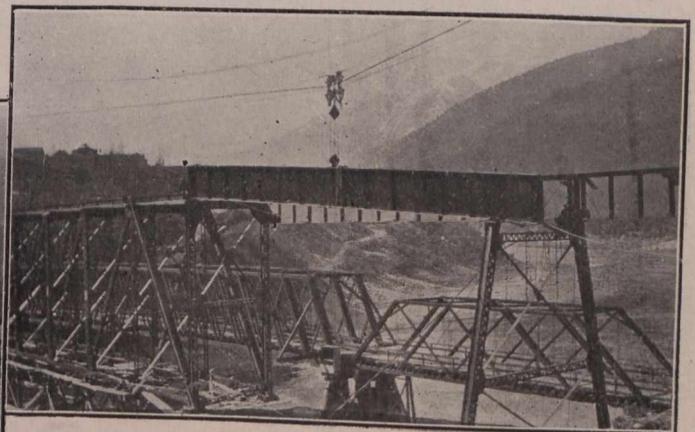
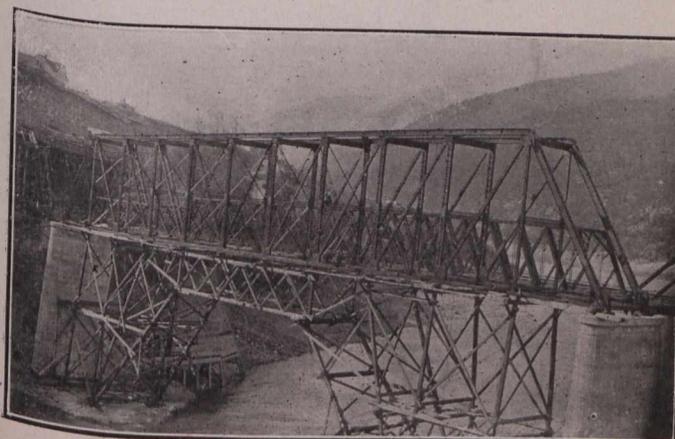


Fig. 2.—Falsework for Erection of 250-Foot Span. Plate Girder Span Being Placed by Cableway.