



The Design of Typical Steel Railway Bridges: An Elementary Course of Engineering Students and Draftsmen (Classic Reprint) (Paperback)

By W Chase Thomson

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Design of Typical Steel Railway Bridges: An Elementary Course of Engineering Students and Draftsmen This volume may be considered as a sequel to Bridge and Structural Design, a previous work of the author s; and, like it, has been developed from lectures given by him under the auspices of the Dominion Bridge Company. The structures treated of represent the commonest types of railway bridges, and were chosen because they seemed best suited to illustrate the problems which occur most frequently to the bridge designer. They include the following: a 60-ft. Deck Plate-Girder, a 100-ft. Deck Warren Girder, a 150-ft. Through Pratt Truss, a 200-ft. Through Pratt Truss with curved top chord, a 170-ft. Swing Bridge, and a Railway Viaduct. At the outset, a general specification has been given governing the loads, unit stresses, and such other details as require the attention of the designer. This is followed by tables for the permissible unit stresses in columns, and for the rivet values used in the designs. After which, instructions have been given for constructing the...



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