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## Compound Riveted Girders: As Applied in the Construction of Buildings (Classic Reprint)

By William H Birkmire

Forgotten Books, United States, 2016. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Compound Riveted Girders: As Applied in the Construction of Buildings In order to facilitate the calculation attending the construction of Wrought Iron and Steel Riveted Girders, the author has endeavored in this work to supply the link which separates Theory from Practice. Its object may be briefly stated. A riveted girder is to be designed; the span, depth, and loads are known, the strains are calculated by the well-known bending-moment formulae, and largely by the graphic method; lastly, the details of construction are fully illustrated. Touching the question of accuracy, it is scarcely necessary to notice the slight difference that may arise between the two methods, i. e., working out the usual formulae, or by measuring from the graphic diagrams. The time consumed in wading through a complicated series of equations to reach a few measurements is objectionable when at least such measurements can at once be had by the graphic method. This work does not investigate exceptional or extremely scientific riveted girders, but more especially those of a type now extensively adopted and constructed...



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