



Transactions of the American Society of Civil Engineers Volume 16

By American Society of Civil Engineers

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1887 Excerpt: . criticisms apply on account of the difficulty of including, in formula sufficiently simple to render their use general, many of the conditions which enter into the proper design of a bridge. Charles J. Morse, M. Am. Soc. C. E.--I have found Professor DuBois paper very interesting, and think his formulas more closely approximate the analytical solution of the much vexed problem of the weights of bridges than any I have seen. I think his method of making separate calculations of floor and bracing preliminary to finding the weights of the trusses is the correct method of procedure for determining an accurate formula, although more tedious of application. The formula he obtains is, however, only an approximation and not a solution. It comes nearer a solution because it includes, or attempts to include, one more condition of the many involved, viz., the strut formula or varying...



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