



A Theoretical and Practical Treatise on the Strength of Beams and Columns

By Robert H Cousins

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. 1889 Excerpt: .The web extends through the total depth of the beam. Box s Strength of Materials, p. 202. 73. To Design a Hodgkinson Beam. The formula required in designing a Hodgkinson beam will be found in Art. 42, page 44. Section IV.--Double T and Box Cast-iron Beam. 74. The Neutral Line. The position of the neutral line may be approximately computed from Eq. 36, page 42, by giving the letters of the formula their definitions in Art. 44. 75. Transverse Strength. The Transverse Strength may be computed from Eqs. 37 and 38, giving the letters their definition in Art. 44. I and from the tensile strength T, and Eq. 38, L becomes L = 5178 pounds. In the investigations preliminary to the construction of the Menai Straits Tubular Bridge, Mr. Stephenson broke this beam with 5387 pounds. 76. To Design a Double T and Hollow Rectangular Castiron...



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