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Strength of Materials: A Comprehensive Presentation of Scientific Methods of Locating and Determining Stresses and Calculating the Required Strength and Dimensions of Building Materials (Classic Reprint) (Paperback)

By Edward R Maurer

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Strength of Materials: A Comprehensive Presentation of Scientific Methods of Locating and Determining Stresses and Calculating the Required Strength and Dimensions of Building Materials Every layman is fascinated by a great engineering work - a large sewage system, a Keokuk dam, a twenty-story steel structure - and wishes he might be able to construct such work and carry it to completion. And yet he hardly appreciates the knowledge, experience, and judgment necessary to bring such a work to a satisfactory close. Time was when all of the details of such structures were determined by guesswork, but the developments in science and mathematics have changed all that. Formulas for the various types of stresses have been worked out; constants for every known material have been collected; and a multitude of diagrams and tables contribute to making the engineer's work as precise as a bookkeeper's balance. The strength and size of every rivet and the length and cross section of every girder in a steel structure are figured so they will bear the strains put...

Reviews

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