



A Short Course in Graphic Statics: For Students of Mechanical Engineering (Classic Reprint)

By William Ledyard Cathcart

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Short Course in Graphic Statics: For Students of Mechanical Engineering The purpose of this book is to provide students of mechanical engineering with a brief course in Graphic Statics which will serve when the time to be devoted to this subject is short. Owing to the necessary limitations as to size, the treatment has been restricted mainly to the properties and general uses of the force and equilibrium polygons, these polygons being sufficient for the solution of most of the problems met in practice by mechanical engineers. While the design of trusses is, in general, the duty of the civil engineer, some attention has been given this subject, since such constructions as the Warren girder for an overhead crane, the walking beam of an engine, etc., fall under this classification. Examples, in full detail, have been included, so far as space would admit, since one good example is often of more service in instruction than many pages of theoretical investigation. The discussion of principles, as given in this book, is largely a summary of...



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