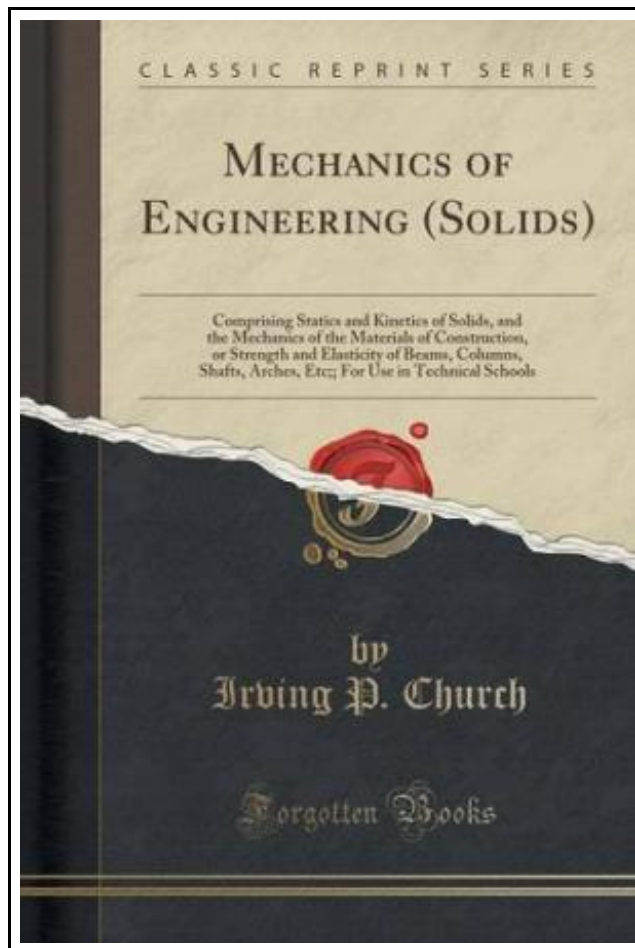


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Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from **Mechanics of Engineering (Solids): Comprising Statics and Kinetics of Solids, and the Mechanics of the Materials of Construction, or Strength and Elasticity of Beams, Columns, Shafts, Arches, Etc;; For Use in Technical Schools** In presenting a revised edition of Parts I, II, and III, of his **Mechanics of Engineering** the writer would call attention to the principal changes that have been made; omissions as well as additions. The chapter on Continuous Girders by Graphics has been omitted in its entirety, while the graphic treatment of the horizontal straight girder formerly a part of the chapter on Arch Ribs, has been removed to the Appendix, in which will also be found various paragraphs involving special problems in flexure, once located in the body of the book. Former chapters V and VI in Part III, on beams under oblique forces and on columns, respectively, have been merged in one (Chapter VI), the matter having been largely rewritten and more fully illustrated, with introduction of the more modern formulae for columns and some treatment of the problem of eccentric loading. Chapter V in Part III of the revised book, on Flexure of Reinforced Concrete Beams, is entirely new and presents both theory and numerical illustrations; a, also diagrams aiding in practical design. New matter will also be found in an analytical treatment of Circular Ribs and Hoops, placed at the end of the chapter on Arch Ribs. Two other new chapters in Part III, are XII, on the flexure of beams treated by a geometrical method (which, however, does not call for the use of drafting instruments) leading to a very simple and available form of the Theorem...

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