



## The Elements of Mechanics, Comprehending Statics and Dynamics, with a Copious Collection of Mechanical Problems: With Plates (Classic Reprint) (Paperback)

By John Radford Young

Forgotten Books, United States, 2016. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Excerpt from The Elements of Mechanics, Comprehending Statics and Dynamics, With a Copious Collection of Mechanical Problems: With Plates The second section is on the theory Of the equilibrium Of l rigid body delivered in all its generality, and applied to a misty of examples. The closing chapter of this section is devoted to a subject of considerable practical importance, the strength and stress of beams for the principal materials of it, I am indebted to Mr. Barlow s experimental inquiries on this subject. These two sections comprise the theory Of Statics; the second part, or Dynamics, is divided into three sections; the first being on the rectilinear motion of a free point, the second on its curvilinear motion, and the third discussing the general theory Of the motion of a solid body. In the opening chapter of the first section, the fundamental equations of motion are deduced from simple and obvious considerations, and pains are taken to give a clear and dis tinct meaning to the several analytical expressions involved in these fundamental equations. All these are then fully illustrated...



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