



The Principles Elementary Mechanics (Classic Reprint)

By De Volson Wood

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from The Principles Elementary Mechanics This work is especially designed to treat of the principles of Rational Mechanics, and not to present a system of analysis. The analysis employed in the demonstration of principles is of an elementary character, the Calculus being entirely avoided. A few problems are solved which very properly belong to the Calculus, but the solutions have been effected by means of the well-known properties of certain curves and the principles of elementary geometry. As examples of this mode of reasoning, reference is made to the following problems: The determination of the centre of gravity of a circular arc; The time of vibration of a simple pendulum; and The quantity of flow of a liquid through a weir. A few problems are solved which involve a knowledge of Conic Sections, but these may be omitted, if desired, without detriment to the other portions of the work. The Articles are as independent of each other as they can be practically, and at the same time present the subject in a connected manner. This feature...



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