

This little volume is the outcome of a series of lectures on elementary mechanics, delivered to the students in the engineering courses of the Cooper Union Day and Night Schools, with the intention of partially clearing the ground for some of the engineering subjects of the subsequent years. In all cases, some knowledge of trigonometry and elementary physics has been assumed; and it is further assumed that the instructor using the text is thoroughly familiar with the students pretraining in these branches. An attempt has been made to develop the formulae from the most fundamental principles; it being the opinion of the author that in this way the student derives the greatest amount of good. No excuse is made, and none need be made, for employing the poundal as the unit force, and as a proportionality factor. A short chapter on the determination of maxima and minima values, by algebraic and trigonometric methods, is given with the hope that it will prove useful in solving problems, and also arouse an interest in mathematical analysis. (Typographical errors above are due to OCR software and do not occur in the book.) About the Publisher Forgotten Books is a publisher of historical writings, such as: Philosophy, Classics, Science, Religion, History, Folklore and Mythology. Forgotten Books Classic Reprint Series utilizes the latest technology to regenerate facsimiles of historically important writings. Careful attention has been made to accurately preserve the original format of each page whilst digitally enhancing the aged text. Read books online for free at www.forgottenbooks.org

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