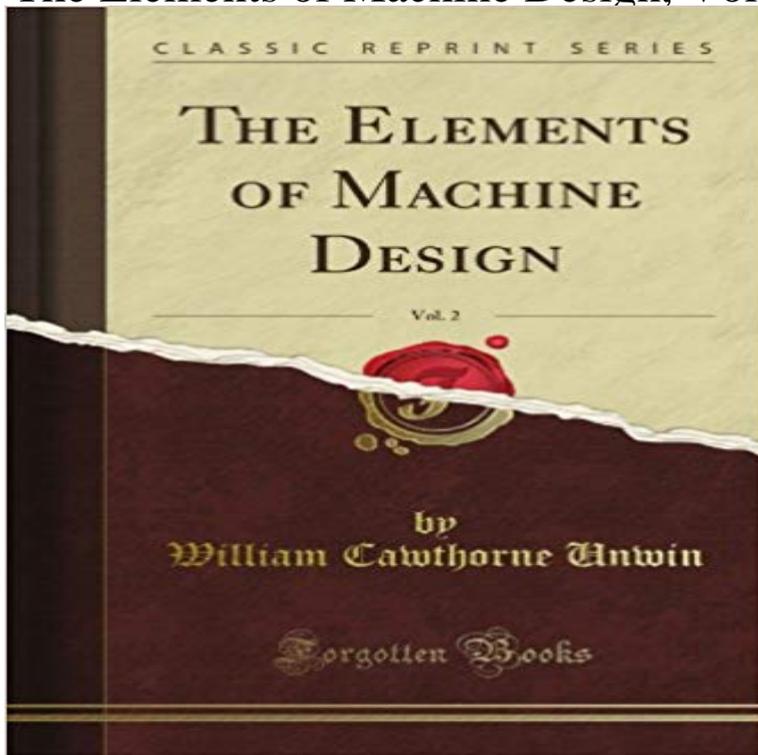


The Elements of Machine Design, Vol. 2 (Classic Reprint)



The present volume contains Chapters VI. and XII. to XVII. of the older editions of Machine Design, but these chapters have been revised throughout and more than half the present volume is entirely new. It deals chiefly, though not exclusively, with steam-engine details. The subjects discussed form, it is believed, a definitely related group, and involve the application of mechanical principles to cases on the whole more complex than those examined in the first part of this treatise. The general data of the strength of materials and the laws relating to the dependence of dimensions on straining actions are given in Part I, But in the cases to which these laws are applied in Part I. the straining actions are generally steady or statical, or may for practical purposes be treated as being so. In the design ofT ransmissive Machinery, which is treated of in Part I., in addition to questions of strength, kinematical problems are those most commonly presented. In Part II., which relates to machines the object of which is tosupply mechanical energy for doing work, the partsof which move at varying speeds, and are subjected to varying forces of inertia which are too large to be neglected, dynamical principles find a more frequent application. A treatise such as this has a double function. It is .(Typographical errors above are due to OCR software and dont 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.

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