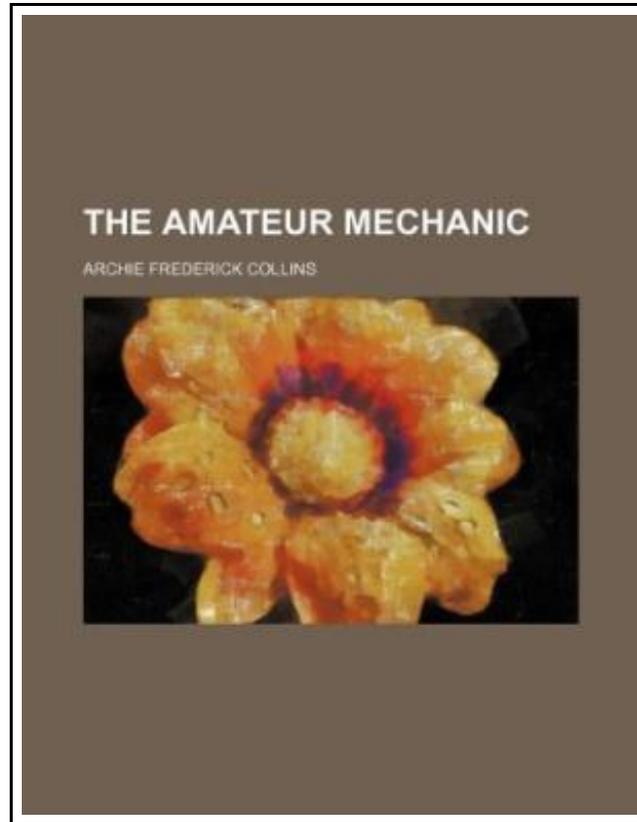


The Amateur Mechanic



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Reviews

The book is fantastic and great. This is for anyone who statte there was not a worthy of reading. I found out this publication from my i and dad advised this pdf to learn.

(Pete Paucek DVM)

THE AMATEUR MECHANIC



Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1918 Excerpt: .into the number of teeth on the gear whose rate of speed you know. Thus, if a gear has 40 teeth and you want to know its speed when it meshes with another gear having 80 teeth which make 20 revolutions per minute, divide 40 into 80. The answer, 2, will be the number of times it revolves to every complete revolution of the gear with 80 teeth; or 2×20 , or 40, will be its number of revolutions per minute. Friction and What It Does.--There is no such thing as a perfectly smooth surface. Even a sheet of highly polished glass has minute elevations and depressions on it, and, chiefly, because of these, if you lay one sheet of glass on another and slip it along it takes force to overcome the resistance, or friction, as it is called. Now, while friction is a useful thing in our daily lives, since nails and screws would not hold and we could not walk and an automobile could not run without it, it is hard to contend with it in machinery, for it takes a lot of power to overcome it and this is wasted energy. The next best thing to do is to reduce the friction as much as possible, for this means to increase the efficiency of the machine. How to Reduce Friction.--There are two kinds of friction, and these are (1) sliding friction and (2) rolling friction. Where two surfaces slide on each...



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