



The Amateur Mechanic (Paperback)

By Archie Frederick Collins

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 makeB 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 X 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...



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