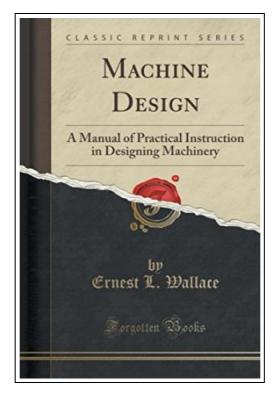
# Machine Design: A Manual of Practical Instruction in Designing Machinery (Classic Reprint)



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# Reviews

I just started out reading this ebook. It is rally exciting through reading through time. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Leonie Collins)

# MACHINE DESIGN: A MANUAL OF PRACTICAL INSTRUCTION IN DESIGNING MACHINERY (CLASSIC REPRINT)



Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English. Brand New Book \*\*\*\*\*\* Print on Demand \*\*\*\*\*\*. Excerpt from Machine Design: A Manual of Practical Instruction in Designing Machinery Machine Design is a subject which is often neglected by men who have the ambition to graduate from the drafting and machine work of our factories into the more important departments dealing with the design pf tools and machines, and the numerous devices which are made by means of them. The draftsman is liable to forget that, in order to be a really good draftsman, he must add to his ability to draw objects the power of visualizing accurately the device or machine, the different views of which he is called upon to draw, and be a good enough mechanic to know how things work and how the machine is to be manufactured. Similarly, the machinist is liable to lose sight of the fact that he is all the better workman if he can couple with his skill in turning out the finished product machined to the proper size, the ability to read the draftsman s drawings down to the smallest detail and to know the why and wherefore of every element of the design. It is plain, therefore, that machine designing in its broadest sense demands a familiarity with the point of view of both draftsman and machinist; it demands a knowledge of materials - their strength, their characteristics, and their behavior under different machine operations. The designer must know which parts should be cast and which should be machined from steel or brass; he must also know the standard designs and specifications for bolts, screws, nuts, pins, keys, etc.; he must know the different types of transmission, the proportions of pulleys and gears,...



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