

MACHINERY'S HANDBOOK

FOR MACHINE SHOP
AND DRAFTING-ROOM

A REFERENCE BOOK ON MACHINE DE-
SIGN AND SHOP PRACTICE FOR THE
MECHANICAL ENGINEER, DRAFTS-
MAN, TOOLMAKER, AND MACHINIST

BY

ERIK OBERG AND F. D. JONES

ELEVENTH EDITION

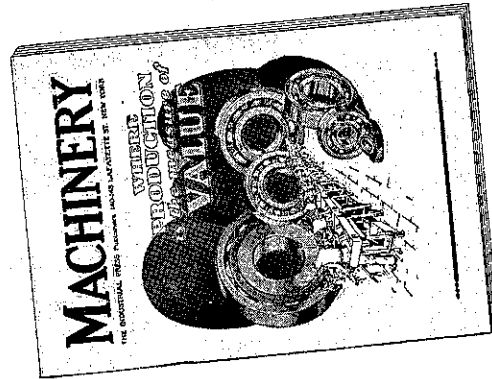
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PREFACE

MACHINERY'S HANDBOOK, since the publication of its first edition in 1914, has continually increased in popularity throughout the world. It is now used extensively as a work of reference in all countries where machines or other mechanical products are manufactured. The aim of the publishers is to make each new edition of greater practical value than the preceding one. This has been accomplished by revising the HANDBOOK as frequently as is practicable for a voluminous work which must necessarily be printed in large editions to meet the constant demand for it both here and abroad.

The new material covers a large variety of subjects that are important to designers and builders of everything mechanical. Recent or revised engineering standards are included, together with a large amount of general information and mechanical data representing the latest designing and manufacturing practice.

In selecting material from the almost limitless supply of data pertaining to mechanical subjects, the plan is to consider primarily the needs and requirements in both the designing and manufacturing departments of machine-building plants. The editors have received many practical suggestions from friends throughout the mechanical field, and this cooperation, which has proved to be invaluable, is highly appreciated. The HANDBOOK user who directs the publisher's attention to some defect or to the omission of matter considered of general value, often renders valuable service to the entire mechanical industry. For this reason and also because we desire to perfect the HANDBOOK as far as possible, all criticisms and suggestions either about revisions or the inclusion of new matter are welcome.

ERIK OBERG AND FRANKLIN D. JONES, EDITORS

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