

**TURNING LATHES: A
MANUAL FOR
TECHNICAL SCHOOLS
AND APPRENTICES**

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Turning Lathes: A Manual for Technical Schools and Apprentices by James Lukin

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JAMES LUKIN

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A MANUAL
FOR TECHNICAL SCHOOLS AND
APPRENTICES.

A GUIDE TO TURNING, SCREW-CUTTING,
METAL-SPINNING &c., &c.

WITH 194 ILLUSTRATIONS.

EDITED BY JAMES LUKIN, B.A.

THIRD EDITION.



LONDON:
L. UPCOTT GILL, 170, STRAND, W.C.

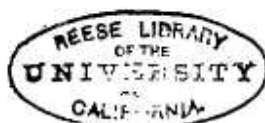
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PREFACE TO THIRD EDITION.

TWO Editions of "Turning Lathes" having quickly been sold, we have no apology to make for introducing this, the Third Edition, which will be of four thousand volumes. The Press, both English and American, with one exception, are unanimous in praise of the book, and we give short Extracts from some of the reviews of the mechanical journals.

The book has been appreciated by numerous learners and users of Lathes, and many letters of approval have been received. It will be found in the principal libraries in England, Canada, and Australia.

Having been successful in our book on Elementary Turning, we are encouraged to bring out others to suit the practical engineer, the first of which—on Screws and Screw-Cutting—will shortly appear.

Our opinion as to the best books on various technical subjects having so frequently been requested, we have (to save much time and correspondence) compiled a Catalogue of Technical Books, giving their price, size, contents, &c., which we trust may be useful to the English-speaking world.

It is also our intention to publish a more elaborate book on Lathe-Work, treating upon the higher branches of the art of Turning; but probably this will not appear until 1890 or 1891. Our intention is to supply the best information at moderate prices.

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OPINIONS OF THE AMERICAN PRESS ON BRITANNIA COMPANY'S BOOK ON "TURNING LATHES."

"Amateurs and technical students will find this book of great advantage to them, as the aim of the author, whoever he may be, has been to explain very thoroughly the processes of the art of turning."—*American Machinist*.

"This is a work of 158 pages, very fully illustrated, and with clear, descriptive matter on branches of lathe-work which are usually followed by amateurs. For these last it is valuable, as it contains succinct directions how to do certain work, how to avoid the many difficulties and the causes of failure in using certain kinds of tools; both wood and metal working are covered."—*American Engineer*.

"This book is an illustrated treatise on lathe-work, designed for use in technical schools. The minuteness and practical nature of the directions given, however, make it of value to amateur turners. To those wishing to learn the art from the beginning, it would be hard to recommend a more useful book. Wood and metal turning are both considered, and the description of hand turning is especially full."—*Scientific American*.

"We heartily commend the book to those interested in the subject. It will be found of special value to apprentices and others whose knowledge of lathe-work is limited."—*The National Car Builder (American)*.

"This work assumes that the reader has had no previous knowledge of the lathe whatever, and starting with an elementary description, the author advances in a very clear and intelligible manner, explaining the various operations of hand and slide rest work in a thoroughly satisfactory manner."—*Mechanics*.

"The author does not presuppose any technical knowledge whatever in the reader, but begins by describing and naming the various parts and attachments of a lathe, so that a schoolboy can pick up the book and work his way through it without any difficulty. The illustrations are very numerous and well-executed."—*Practical Engineer*.

"The several types of lathes, both for wood and metal turning, and their parts in detail, are fully described and illustrated, as also are the various operations of the lathe-man's art. Amateur turners will find in it many useful hints."—*Popular Science News*.

"The small price and general excellence of this book will commend it to the large class of ambitious apprentices for whose benefit it has been written."—*Boston Journal of Commerce*.

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NOTICE.—*The Reviews of the English Press were equally favourable.*