

**THE MICROSCOPIST; OR, A
COMPLETE
MANUAL ON THE USE
OF THE MICROSCOPE**

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The microscopist; or, a complete manual on the use of the microscope by Joseph H. Wythes

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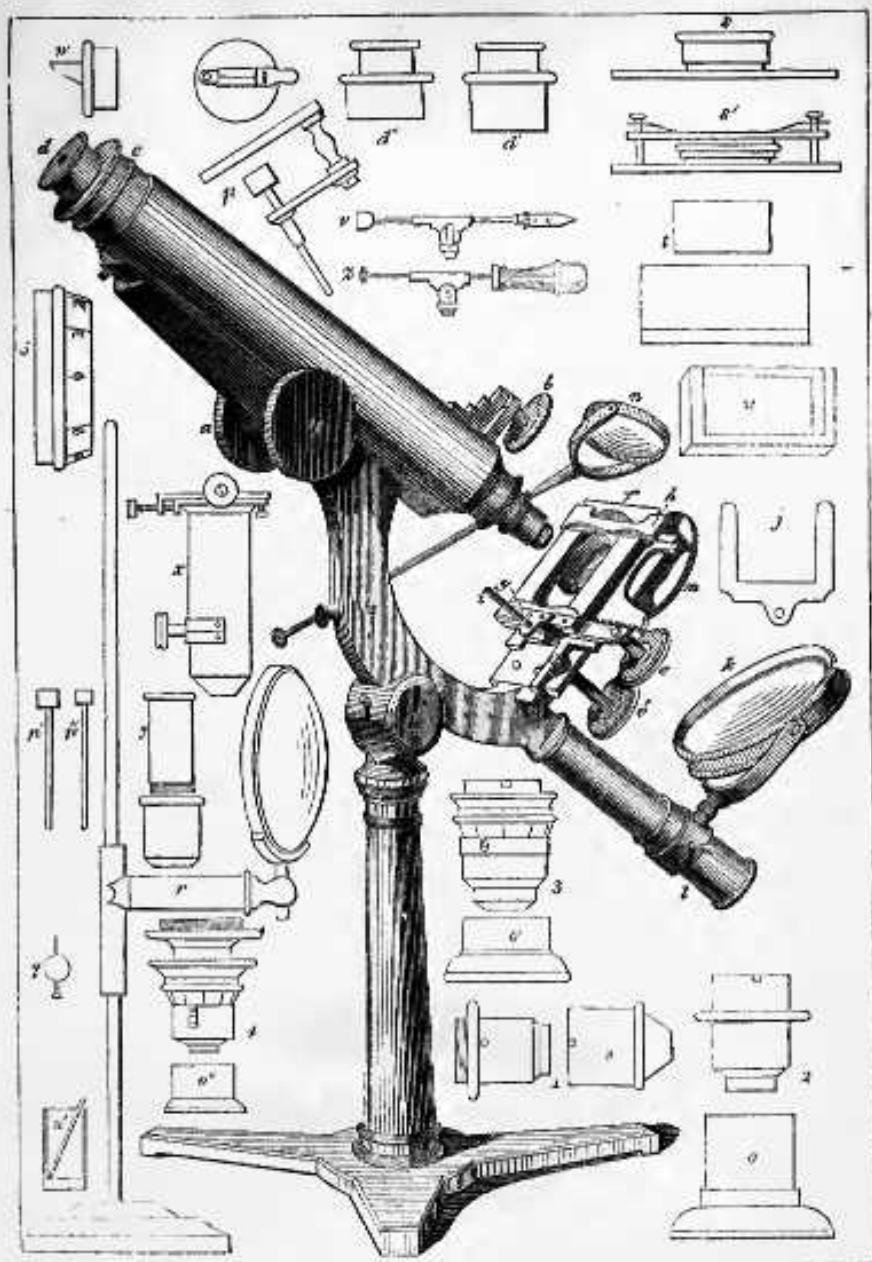
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JOSEPH H. WYTHES

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THE
MICROSCOPIST;
OR,
A Complete Manual
ON THE
USE OF THE MICROSCOPE:
FOR
PHYSICIANS, STUDENTS,
AND ALL
LOVERS OF NATURAL SCIENCE.

WITH ILLUSTRATIONS.

BY

JOSEPH H. WYTHES, M.D.

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PAUL BECK GODDARD, M.D.,

DISTINGUISHED BY

HIS ARDENT AND SUCCESSFUL PROSECUTION

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THIS AND KINDRED STUDIES,

This Work

IS RESPECTFULLY INSCRIBED

BY

THE AUTHOR.

1852



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P R E F A C E.

SINCE the employment of achromatic instruments, microscopic research has ceased to be merely an amusement, but has been elevated to the dignity of a science; yet, so far as the author knows, no book has been issued from the American press which would serve as a guide to those desirous of applying themselves to such studies.

The present work aims to supply this deficiency. In its preparation the author has aimed less at style than at information. Its matter has been condensed into the smallest possible space, so that it may be, what its title professes, "A Complete Manual on the Use of the Microscope." It does not supersede the necessity of more elaborate works, especially in the departments of Minute Anatomy and Pathology, but gives directions by which such works may be more profitably employed by the student. The multiplied labours of many observers have been classified and arranged, and free use has been made

of English authorities, so as to bring the work up to the present standard of information; at the same time the opinions and experience of the author have been stated without hesitation.

Respecting the construction of the Microscope itself, a brief description is all that was deemed necessary; nor could it have been much more extended without being liable to serious objection. As to the employment of the instrument upon the various objects of science, as full an account has been given as was consistent with brevity; and to make this department more complete, reference has been made to the doctrines and discoveries of modern Physiology and Pathology.

The work is committed to the notice of the scientific community with the hope that it may prove of service in the study of the wonderful works of the Great Creator, who is "all in all, and all in every part;" whose Power and Wisdom are seen as well in the minutest atom as in the most gigantic masses; and whose government embraces not only intelligent free agents, but also the smallest animalculæ existing in a drop of stagnant water.