

**HOW TO WORK WITH THE MICROSCOPE:
A COURSE OF LECTURES ON
MICROSCOPICAL MANIPULATION,
AND THE PRACTICAL APPLICATION OF
THE MICROSCOPE TO DIFFERENT
BRANCHES OF INVESTIGATION**

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How to Work with the Microscope: A Course of Lectures on Microscopical Manipulation, and the Practical Application of the Microscope to Different Branches of Investigation by Lionel S. Beale

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LIONEL S. BEALE

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ON

MICROSCOPICAL MANIPULATION, AND THE PRACTICAL
APPLICATION OF THE MICROSCOPE TO DIFFERENT
BRANCHES OF INVESTIGATION.

DELIVERED, DURING THE WINTER SESSION, 1856—57.

BY

LIONEL S. BEALE, M.B., F.R.S.,

LICENTIATE OF THE ROYAL COLLEGE OF PHYSICIANS, PHYSICIAN TO KING'S COLLEGE HOSPITAL
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The Author reserves the right of translating these Lectures.

DEDICATED

TO MY FRIEND

FERGUSON BRANSON.

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P R E F A C E .

AN earnest desire to assist in diffusing a love for microscopical inquiry, not less for the pleasure it affords to the student, than from a conviction of its real utility and increasing practical value in promoting advancement in various branches of art, science, and manufacture,—a wish to simplify as far as possible the processes for preparing microscopical specimens, and the methods for demonstrating the anatomy of different textures,—and the belief that many who possess microscopes are deterred from attempting any branch of original investigation solely by the great difficulty they experience in surmounting elementary detail and mere mechanical operations,—are my chief reasons for publishing this elementary course of lectures, which was delivered during the past winter.

It has been thought desirable to append the tables which I have been accustomed to use in my course of practical demonstrations, for the purpose of enabling

everyone to practise for himself the most useful branches of manipulation. Each table will occupy the student about two hours.

Subjoined is a list of the apparatus required for microscopical research, much of which is simple and inexpensive. A number has been added to each instrument, by transmitting which to any instrument-maker, the observer will be furnished with the apparatus required.

PATHOLOGICAL LABORATORY,
27, Carey Street, Lincoln's-Inn, June, 1857.

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