

Description of a new microscope, for the use of medical practitioners at the bed-side / by David Gruby.

Contributors

Gruby, David, 1810-1898.
University of Glasgow. Library

Publication/Creation

Edinburgh : Sutherland & Knox, [©1846?]

Persistent URL

<https://wellcomecollection.org/works/zdugrcja>

Provider

University of Glasgow

License and attribution

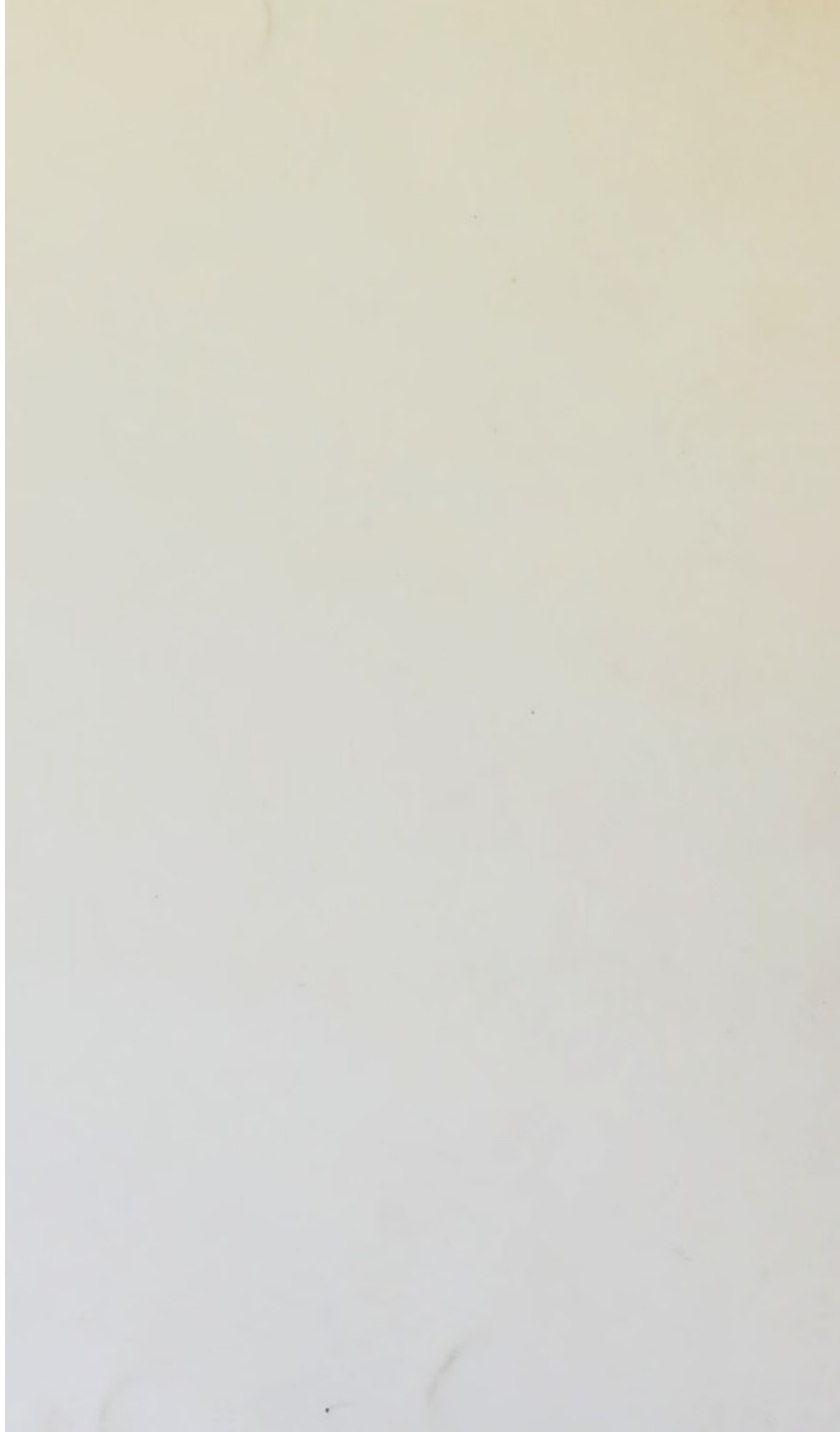
This material has been provided by This material has been provided by The University of Glasgow Library. The original may be consulted at The University of Glasgow Library. where the originals may be consulted. This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>





DESCRIPTION OF A NEW MICROSCOPE,

FOR THE

USE OF MEDICAL PRACTITIONERS AT THE BED-SIDE.

BY DAVID GRUBY, M.D.,

PROFESSOR OF HISTOLOGY, ETC., PARIS.

[*Extracted from the Monthly Journal of Medical Science.*]

MY object in causing the formation of this microscope, was to furnish practical medical men, and naturalists initiated in histological studies, with an instrument that could be easily transported in the pocket, whilst it preserved all the clearness, precision, and other advantages of larger ones. For a long time, efforts have been made to render the use of the microscope more extended and easy, by diminishing the volume; but, up to the present day, no one has succeeded in giving to such an instrument either the optical or mechanical precision every observer finds necessary for the prosecution of accurate investigations.

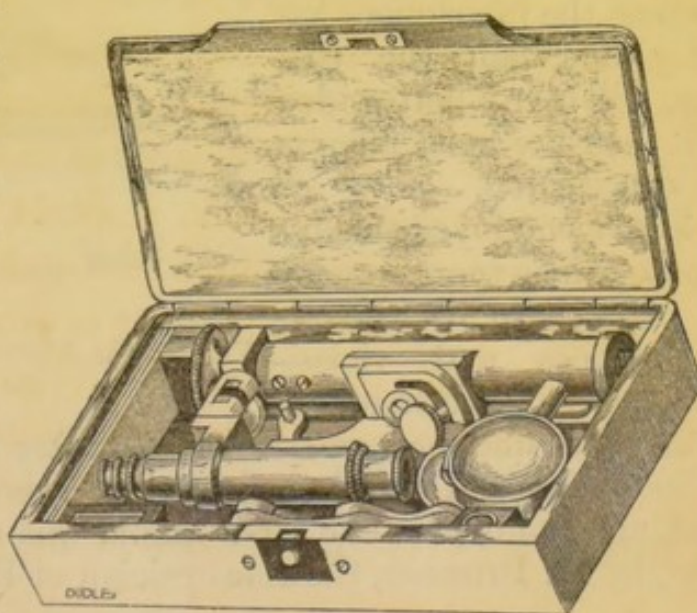


FIG. 1. *The Microscope, as seen within the Box.*

The microscope I now introduce to the notice of the profession, magnifies from 5 to 800 diameters linear. The image is so clear and distinct, as to bear comparison with that produced

by the large and best instruments. All the glasses are perfectly achromatic, and the field of vision is as extensive as that of other microscopes. It may be used both for transparent and opaque objects. There are two adjustments, one coarse and rapid, the other fine and micrometric; two series of lenses, both triplets, and a single achromatic lens. There is also a micrometre adapted to the extremity of the eye piece, measuring the one-hundredth of a millimetre.

The box which contains the microscope, is 4 inches long, 2 inches broad, and 1 inch in depth. It is the size of an ordinary snuff-box, and in addition to the necessary optical and mechanical parts, contains slips of glass, a forceps, and a needle and knife mounted in ivory handles. In short, for all the purposes for which it is intended, it is complete. The accompanying woodcuts, representing the instrument exactly one half the real size, will give a better idea of it than the most laboured description.

I have employed this microscope for a year, in order to place it in all the circumstances and vicissitudes a small instrument

is likely to undergo, and it is only after arriving at the conviction of its utility and real benefit to observers, that I have decided on making it public. The first model was executed after my direction, by M. Brunner, the able optician of Paris. The price is L.6.¹

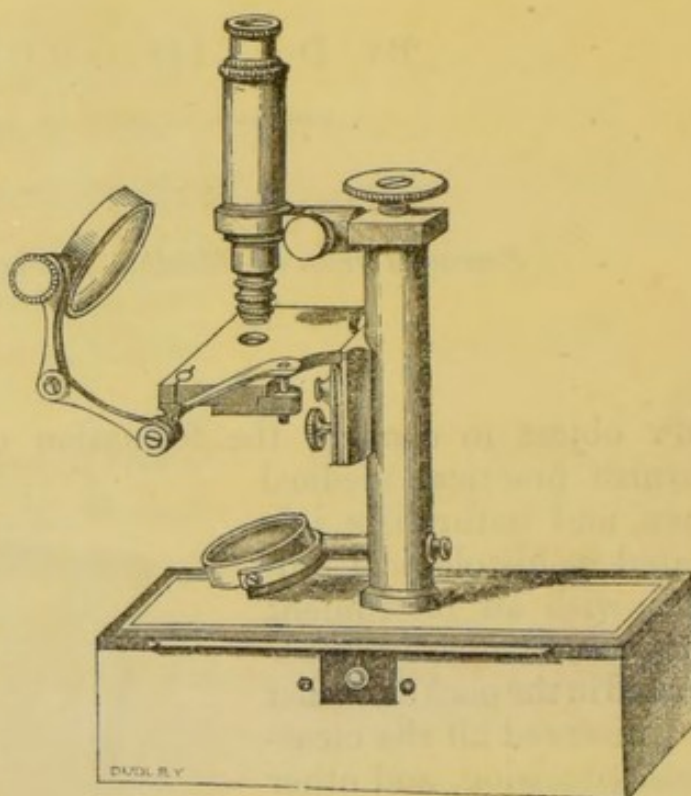


FIG. 2. *The Microscope, mounted and screwed on the Lid of the Box.*

¹ We have had one of those instruments in our possession upwards of a month, and have found it exceedingly convenient in visiting patients, and in making post-mortem examinations at private houses. As stated by Dr Gruby, however, it will only be useful to those who are already familiar with the employment of microscopes; it is in no way adapted to the student, or to those commencing the practical study of Histology. —ED.



Digitized by the Internet Archive
in 2015

<https://archive.org/details/b21470522>

