LECTURES ON HISTOLOGY: DELIVERED AT THE ROYAL COLLEGE OF SURGEONS OF ENGLAND, IN THE SESSION 1850-51, ELEMENTARY TISSUES OF PLANTS AND ANIMALS

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Lectures on Histology: Delivered at the Royal College of Surgeons of England, in the Session 1850-51, Elementary Tissues of Plants and Animals by John Quekett

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JOHN QUEKETT

LECTURES ON HISTOLOGY:
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PREFACE.

Although the Lectures contained in the following pages have already appeared in the "Medical Times" for 1851, it has been thought advisable to publish them in a separate form, and for this purpose they have been carefully revised, and a considerable amount of new matter has been added.

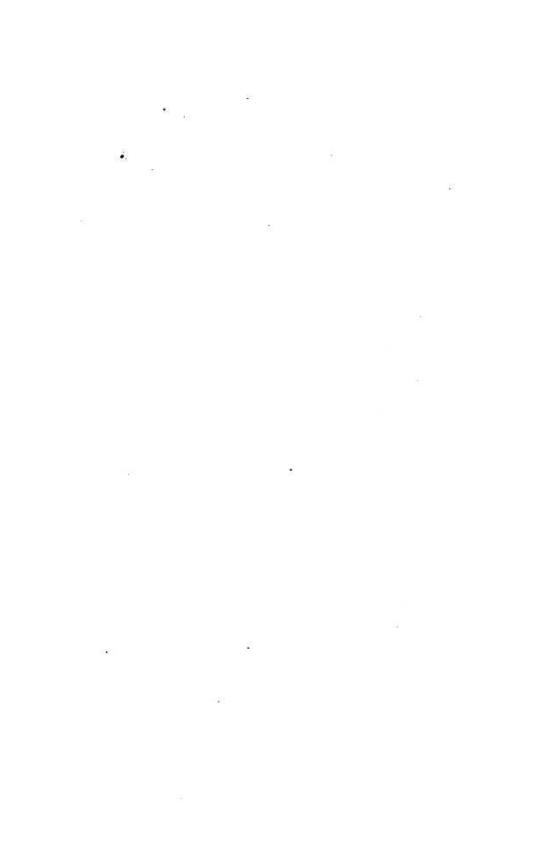
The last two Lectures have been omitted in this volume, but will be included in a subsequent one, as they relate to the Structure of the Skeleton of Invertebrate Animals, which formed the subject of the Course of Lectures for 1851—52.

The preparations exhibited, were, with few exceptions, those described in the first volume of the Histological Catalogue, to which work the Author would refer those of his readers, who may be desirous of having a more detailed account of the individual specimens.

The Author begs to tender his best thanks to his friend, Dr. P. B. Ayres, for much valuable assistance during the progress of the work.

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32, BLANDFORD SQUARE, APRIL 27, 1852.



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HISTOLOGY OF VEGETABLES.

LECTURE I.

HISTOLOGY,* the science of the minute structure of the organs of animals and plants, may be truly said to be the creation of the present century; some glimpses, however, of organic structure had been obtained by the earlier obscrvers, Leeuwenhoek, Malpighi, Hooke, Grew, and others; but these, for the most part, consisted of unconnected observations, from which it was impossible to educe any of the general laws of formation and development. The microscope, except as a mere toy, fell into disuse during the greater part of the eighteenth century; nor was it until within the last twenty years that the instrument was rendered capable of yielding such a magnifying power, together with such clearness of definition, as is necessary for the investigation of this most interesting and important field of research.

^{*} From 1070c, a tissue or web; and hoyoc, a discourse.