

**THE PRINCIPLES OF
BACTERIOLOGY: A
PRACTICAL MANUAL FOR
STUDENTS AND PHYSICIANS**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649168231

The principles of bacteriology: a practical manual for students and physicians by A. C. Abbott

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A. C. ABBOTT

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A PRACTICAL MANUAL FOR STUDENTS
AND PHYSICIANS.

BY
A. C. ABBOTT, M.D.,
FIRST ASSISTANT, LABORATORY OF HYGIENE, UNIVERSITY OF PENNSYLVANIA,
PHILADELPHIA.

WITH ILLUSTRATIONS.



PHILADELPHIA:
LEA BROTHERS & CO.,
1892.

QW4

A131p

1891

Entered according to Act of Congress, in the year 1891, by
LEA BROTHERS & CO.,
In the Office of the Librarian of Congress at Washington, D. C.

JORNAN, PRINTER.

Gift of David B. Brannen 6-21-42

PREFACE.

IN preparing this book the author has kept in mind the needs of the student and practitioner of medicine, for whom the importance of an acquaintance with practical bacteriology cannot be overestimated.

It is to advances made through bacteriological research that we are indebted for much of our knowledge of the conditions underlying infection, and for the elucidation of many hitherto obscure problems concerning the etiology, the modes of transmission, and the means of prevention of infectious maladies.

Only within a comparatively short time have students and physicians been enabled to obtain the systematic instruction in this science that is of value in aiding them in their efforts to check disease. The rapid increase in the number who are availing themselves of these opportunities speaks directly for the practical value of the science.

As the majority of those undertaking the study of bacteriology do so with the view of utilizing it in medical practice, and as many of these can devote to it but a portion of their time, it is desirable that the

subject-matter be presented in as direct a manner as possible.

Presuming the reader to be unfamiliar with the subject, the author has restricted himself to those fundamental features that are essential to its understanding. The object has been to present the important ideas and methods as concisely as is compatible with clearness, and at the same time to accentuate throughout the underlying principles which govern the work.

With the view of inducing independent thought on the part of the student, and of diminishing the frequency of that oft-heard query, "What shall I do next?" experiments have been suggested wherever it is possible. These have been arranged to illustrate the salient points of the work and to attract attention to the minute details, upon the observation of which so much in bacteriology depends.

A. C. A.

PHILADELPHIA, December, 1891.

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