

**LIPPINCOTT'S NURSING
MANUALS. A TEXT
BOOK OF PHYSICS AND
CHEMISTRY FOR NURSES**

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Lippincott's nursing manuals. A text book of physics and chemistry for nurses by A. R. Bliss & A. H. Olive

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A TEXT-BOOK OF
PHYSICS AND CHEMISTRY
FOR NURSES

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SECOND EDITION REVISED



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PREFACE

THE authors of this text-book have endeavored to furnish the student of nursing in concise form a simple and clear presentation of those portions of the sciences—physics and chemistry—which are of special interest and importance to the student and the graduate nurse.

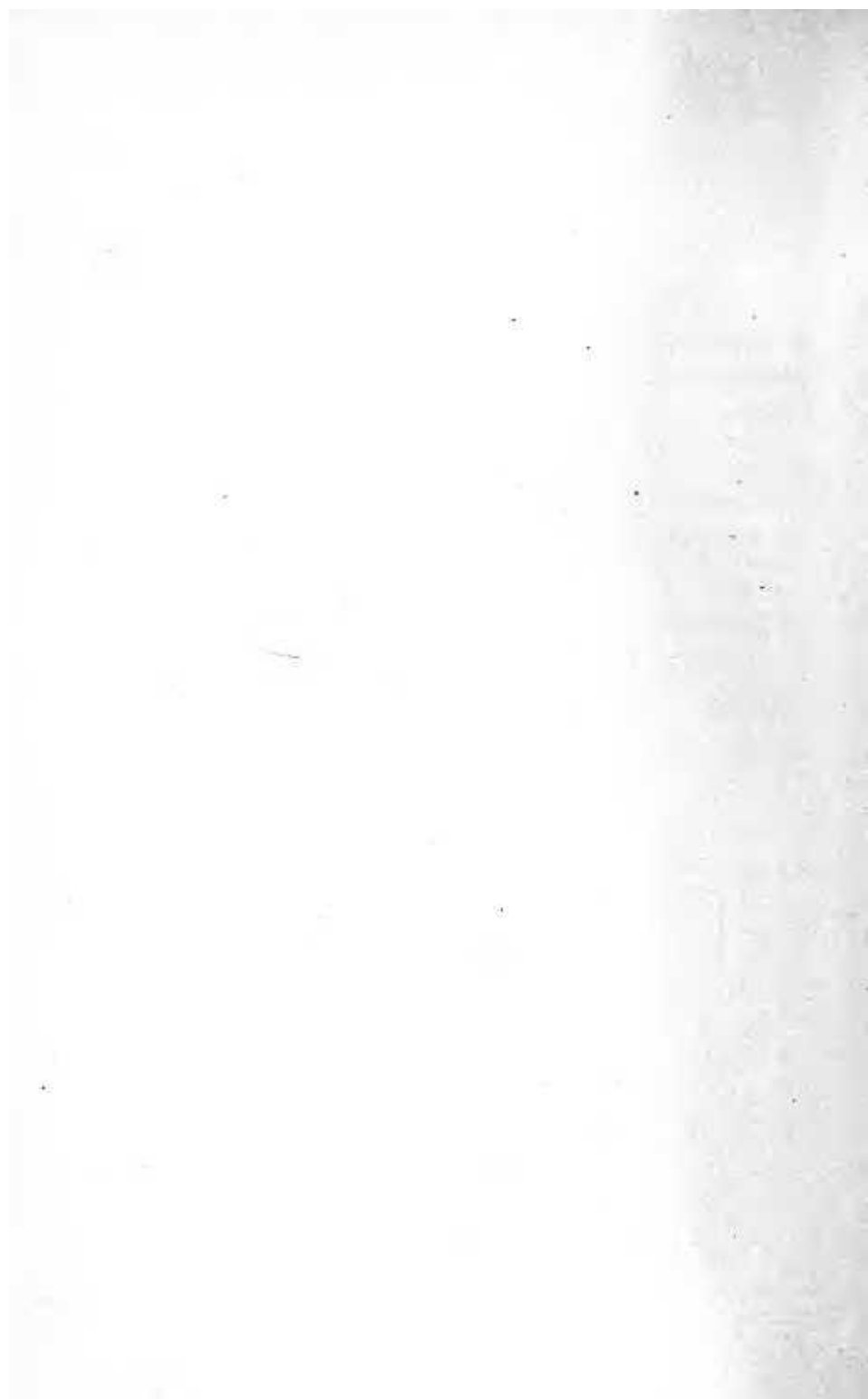
The work is necessarily brief. The curricula of most schools of nursing call for but one year of instruction in physics and chemistry. The authors therefore decided to discuss only the amount of material which, in their opinion, could be intelligently digested by the average studious nurse in the time allotted to the subjects.

The authors will welcome any suggestions looking to the improvement of the text-book.

Thanks are due to the following authorities whose works were frequently consulted and proved of great value in the preparation of this book: Allen, Autenrieth, Barnwater, Bartley, Beal, Brundage, Bunge, Coblenz, Doremus, Everett, Glazebrook, Hill, Holland, Hoadley, Krafft, Lassar-Cohn, Leach, Long, Molinari, Morgan, Mason, Novy, Prudden, Remsen, Rottget, Remington, Sadtler, Simon, Stewart, Thoms, Tyrode, the United States Pharmacopoeia, Vaughan, Voit, Witthaus, and Wood; also to Miss Ellison, of the Cincinnati General Hospital, formerly Principal of the Hillman Hospital Training School for Nurses, and Miss Dugan, Principal of the Hillman Hospital Training School for Nurses, for valuable suggestions and criticisms. Thanks are especially due to Eimer and Amend, of New York City, for the use of their half-tones.

BIRMINGHAM, ALABAMA,
January, 1916.

A. R. B., JR.
A. H. O.



PREFACE TO THE SECOND EDITION.

THE printing of the second edition in a little over a year after the first appearance of this book has enabled the authors to make such corrections and changes as would enhance the value of the book, and to include the changes necessitated by the new revision of the United States Pharmacopœia.

The authors desire to emphasize the importance of giving the experimental part of the work, which has been so arranged as to require but a small stock of apparatus and reagents and such as are easily obtainable. The expense involved is very small.

The favorable reception given this book has been most gratifying, and the authors are especially grateful for the many valuable criticisms and suggestions which have been sent them.

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A. H. O.

ATLANTA, GEORGIA,
November, 1917.

