PHARMACY, THEORETICAL AND PRACTICAL, INCLUDING ARITHMETIC OF PHARMACY

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Pharmacy, theoretical and practical, including arithmetic of pharmacy by Edsel A. Ruddiman

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EDSEL A. RUDDIMAN

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RV

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PREFACE

The object of this book is to present in as few words as possible essential facts which every pharmacist should know. The writer believes that every student of pharmacy should possess copies of the Pharmacopæia and National Formulary and use them as text books; that only in this way will be come to have the proper appreciation of these authorities. Having these books at hand, there is no need of repeating in a text book on Pharmacy what is given in them. The comments herein given on preparations will be intelligible to those who have before them copies of the U. S. P. and N. F.

Cuts of apparatus are intentionally omitted. It is expected that this book will be used by students in college where the actual apparatus will be shown by the instructor, or that it will be used by persons working in stores where they will find the more common pieces of apparatus.

E. A. RUDDIMAN.

VANDERBILT UNIVERSITY

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PHARMACY

ARITHMETIC OF PHARMACY

METROLOGY

Definitions. Metrology treats of the measure of length, surface, volume, and weight, and of the relation of one to another. Volume is the amount of space which a body occupies. Weight is the measure of the force with which the earth draws other bodies to its center. Density refers to the weight of a body compared with its volume. Specific gravity is the weight of a body compared with the weight of an equal volume of some substance taken as the standard.

COMMON SYSTEM

The systems of weights and measures used in the United States are avoirdupois, troy, apothecary, wine, and metric. The avoirdupois weight is used in all commercial transactions where weight is wanted, except in weighing precious stones and in filling prescriptions. Drugs in bulk are bought and sold by the avoirdupois weight even though the bulk is small. An eighth of an ounce of atropine is an eighth of 437.5 grains, not an eighth of 480 grains. This must be kept in mind in pricing prescriptions. Troy weight is used in weighing precious metals and stones. Apothecary weight is used only in filling prescriptions.