

The CHEST and the HEART

Section I

THE CHEST

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Section II

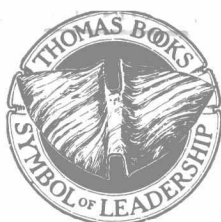
THE HEART

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VOLUME I

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THE CHEST AND THE HEART

In Two Volumes

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administrator, colleague of a quarter century, to whose
qualities of mind and leadership we are deeply indebted
for help and encouragement.*

AND

*In celebration of the fiftieth anniversary
of the founding of the
first State sanatorium in the United States
at Rutland, Massachusetts
1898-1948*

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To the fifty-nine physicians who have contributed to this volume we wish to express our deep and sincere appreciation. Two contributors have died. Dr. A. T. Henrici had set aside a certain period of time for the preparation of a chapter on pulmonary fungus infections; however, before he had completed the outline, he suffered from an attack of coronary disease. A few days later he asked for paper and pencil, but the writing of a few paragraphs proved too exhausting. He asked that his personal friend, Dr. C. W. Emmons, chief mycologist of the United States Public Health Service, be requested to continue the writing. Dr. Emmons kindly complied and completed the chapter according to Dr. Henrici's outline. Dr. C. A. Stewart had completed his chapter well in advance of his death.

The preparation of this volume necessitated

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Finally we desire to express our high regard for Charles C Thomas and his staff, who have taken so much care in editing the manuscript as a whole, have offered numerous valuable suggestions and have spared nothing that might further enhance the physical make-up of the book.

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Preface

Originally this volume was intended to combine and bring to date two books published in 1927, namely, *The Normal Chest* and *Modern Aspects of the Diagnosis, Classification and Treatment of Tuberculosis*. However, as the work progressed the scope was enlarged to include extrathoracic tuberculosis, since this often complicates the disease in the thorax and also because tuberculous lesions, wherever they occur, have the same etiology—the tubercle bacillus.

There are now large areas in the United States where tuberculosis has decreased so rapidly in the last two decades that its pulmonary clinical forms actually occur less frequently than such diseases as pneumonia and bronchiectasis. Therefore, we have included most of the common and a few of the rare nontuberculous diseases of the respiratory tract.

The heart and great vessels must be considered in every thoroughgoing examination of the chest; thus most of the more usual diseases and conditions which attack them are presented.

Embryology, practical consideration of anatomy and physiology of the various organs are included, as these subjects are necessary to a clear understanding of anomalies, location and extension of disease, function of organs in health and disease, effects of certain drugs, etc.

Not long ago the physician who limited his work to the chest or heart was one who dealt with all diagnostic, therapeutic and preventive problems in these spheres. Then one or two persons could write somewhat authoritatively all of the chapters for a book with a title such as this one. This is no longer possible.

Today there is so much information available and so much detail is necessary in diagnosis and treatment that experts have developed within the field of chest diseases. Thoracic and cardiac surgery are good examples. Even in single diseases, such as sarcoidosis, fungus infections, asthma, and rheumatic fever, a few physicians because of opportunity, experience and special interest, have assembled information and have become so proficient that they are recognized as specialists. In the preparation of the manuscript for this volume, therefore, we invited a number of physicians to contribute their expert knowledge in such a way that it would be of practical use to the medical student and the physician in general practice as well as those in special fields whose diagnostic and therapeutic problems at times are related to diseases and conditions of the chest and the heart.

This volume is presented in the hope that it will stimulate among students and physicians everywhere a keen interest in the study of diseases of the chest and closely allied conditions; that it will aid many to become proficient diagnosticians; that it will suggest to them methods of treatment which may result in the alleviation of suffering and the extension of life; that it may inspire them to teach and practice in their communities true methods of prevention—to the saving of lives of many now living, and of thousands yet unborn, from invalidism, poverty, and untimely death.

J. A. MYERS
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THE CHEST AND THE HEART

SECTION ONE

The Chest

INCLUDING TUBERCULOSIS IN OTHER ORGANS

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DEVELOPMENT, ANATOMY, PHYSIOLOGY AND
EXAMINATION OF THE CHEST