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LECTURES
ON
ORTHOPEDIC SURGERY
AND
DISEASES OF THE JOINTS,

DELIVERED AT BELLEVUE HOSPITAL MEDICAL COLLEGE,
DURING THE WINTER SESSION OF 1874-1875.

BY
LEWIS A. SAYRE, M. D.,

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DEDICATION.

To the Physicians and Students who have so attentively listened to my lectures, and who have sustained and encouraged me in the enunciation of new truths by their devotion and friendship, this work, which I hope may enable them to remember and practically apply the principles therein taught, is humbly inscribed by their sincere friend,

THE AUTHOR.

January 1, 1876.

P R E F A C E.

For some years past I have been in the frequent receipt of letters from medical gentlemen of the highest standing, in different sections of our country, as well as from many abroad, urging me to prepare a work on Orthopedic Surgery and Diseases of the Joints setting forth my peculiar views of their pathology and method of treatment.

As many of my views were so directly at variance with the standard authorities, I hesitated to write until a larger experience should either confirm my observations or prove them to be erroneous. In the latter case, of course, I should have no occasion for publishing.

A more extended experience has confirmed my original views; but constant professional occupation has prevented me from complying with the request of my friends, as I have been unable to find the time to perform the manual labor of writing such a work as I should desire to produce.

I therefore employed Dr. Wesley M. Carpenter, so well known to the profession in this city for his accuracy as a stenographic reporter, to follow me during the course of last winter's lectures, at the Bellevue Hospital Medical College, and the present work is the result. Upon its perusal in the proof, I find many expressions which I would like to change, but, as

these lectures were delivered extemporaneously and without preparation (many of them being clinical, and upon cases just presented to me for the first time in the lecture-room), I find it difficult to alter the text without destroying its originality.

I therefore leave the work in its original form, making no claims for literary elegance, but simply desiring to tell what I think to be true, in such a manner as not to be misunderstood.

In addition to the cases brought before the class at this term, I have added others from my note-book and from the hospital records, to illustrate the principles taught. I have also added a few cases that I have before presented to the profession in medical journals, or at the different Medical Societies, but, as they are typical illustrations of the principles I wished to teach, I have deemed them worthy of more permanent record.

The long delay in getting the work through the press is on account of the number of illustrations, which have all been engraved by Mr. R. S. Bross, of Nos. 14 and 16 Ann Street, from original drawings by Dr. L. M. Yale and from photographs; and I wish here to express my thanks for the very able manner in which he has performed the work.

The illustrations of the instruments were all kindly furnished by Mr. John Reynders, of 309 Fourth Avenue.

I wish particularly to return my warmest thanks to Drs. Yale and Carpenter, and to Dr. Wm. A. George, for most valuable services in correcting proof, and other assistance while the work was going through the press.

LEWIS A. SAYRE.

285 FIFTH AVENUE, January 1, 1876.

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 " 272—twenty-fourth " (Fig. 195) " (Fig. 173).
 " 274—thirty-first " (Fig. 190) " (Fig. 176).
 " 277—seventeen " (Fig. 199) " (Fig. 176).
 " 349—nineteen " (Fig. 205) " (Fig. 209).

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TALIPES.

Definition.—Varieties and Combinations.—Mechanical Construction of the Normal Human Foot.—Talipes Equinus.—Talipes Calcaneus.—Case of Division of Tendo-Achilles by an Accident.—Mechanical Treatment of Talipes Calcaneus 47

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ORTHOPEDIC SURGERY

AND

DISEASES OF THE JOINTS.

LECTURE I.

INTRODUCTORY.

History of Orthopedy.—General Considerations which should induce the Student to make it a Subject of Special Study.—General Plan of Instruction.

GENTLEMEN: The Faculty of this college have intrusted me with the very important duty of instructing you upon the subject of deformities of the human frame, their cause, methods of correction, and means of prevention.

I propose to do this in a series of theoretical and clinical lectures. In the former I shall endeavor to render you familiar with the nature, causes, diagnosis, and general treatment of deformities; and in the latter I shall place before you abundant clinical material, and offer you ample opportunities to realize and test the practical bearing and application of the abstract principles which I shall endeavor to teach.

In this combination you cannot fail to master the subject thoroughly, and to prepare yourselves efficiently for the performance of your future duty in this particular branch of your profession.

Heretofore, our subject has not received that attention at the hands of medical teachers it so eminently deserved. Students met with few opportunities to study it, either in theory or practice, and the profession at large was hardly prepared to take charge of deformities and treat them successfully. For this rea-