Julius Wolff

The Law of Bone Remodelling

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To the Physiologist

Emile du Bois-Reymond

and the Surgeon

Ernst von Bergmann

as a Sign of Respect

Preface

The present work aims at establishing as exhaustively as possible the mathematical, anatomical and clinical bases of the law of bone remodelling and the consequent functional bone shape and remodelling force. Another aim of this work consists of considering the applications of the law of bone remodelling not only to bone but also to many other fields of medical science and to certain questions in the natural sciences. I am indebted to the Royal Prussian Academy of Sciences, whose help made the publication of this book possible. I would also like to thank the many scientists who kindly put at my disposal valuable specimens from their collections to enable me to study the law of bone remodelling: Prof. Ackermann, Halle, von Bergmann, Berlin, Billroth, Vienna, H. Fischer, Breslau, Prosector Dr. Fränkel, Hamburg, Prof. Hasse, Breslau, Koenig, Göttingen, Koester, Bonn, late von Linhart, Würzburg, late Lucae, Frankfurt a. M., Mihalkowitsch, Budapest, Rindfleisch, Würzburg, Roux, Innsbruck, late Dr. Theodor Simon, Hamburg, Prof. R. Virchow, Berlin, late Richard von Volkmann, Halle, Weigert, Frankfurt a. M., and Zenker, Erlangen.

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