COPYRIGHT, 1925
BY
AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS

Printed and Bound by
THE HORN-SHAFER COMPANY
BALTIMORE :-: MARYLAND

Am Soc
2.50

Ref. 628.8

FOREWORD

A LARGE amount of time and thought has been contributed to the preparation of this issue of THE GUIDE by a number of the ablest members of the profession.

One of the chief improvements, and one which has only been possible through the generosity of these men, is the putting of a large amount of the highly technical heating and ventilating data, which have been accumulating from the Research Laboratory and other sources during the past decade, into readily usable form, in order that busy Engineers, Architects, Contractors and others, who make use of this book, may find it possible to do so without laborious deductions, or study of a mass of superfluous matter.

A large percentage of heating and ventilating equipment is improperly and inadequately planned and specified and considerable part of the responsibility for this condition is due to attempts, on the part of some of those into whose hands such data falls, in trying to make use of them to cover fields for which they are not properly trained, experienced or fitted.

The success of heating and ventilating equipment does not originate with any, or even with all, of its technical particulars; such as the sizes of boilers, the sizes of pipes, the quantities of radiation, the sizes of fans, ducts, etc., but with the general marshalling and arranging of its affairs and in deciding the proper methods and apparatus to be used.

The data presented for selecting the proper size of boiler do not attempt to supply the means of knowing whether this should be for high or low pressure, of cast iron or steel construction, of water tube or fire tube type, coal or oil fired, etc. In the same way the pipe size tables may be used for determining proper sizes of pipes for heating systems, for fan heaters, or other apparatus, but they are not intended to supply the judgment necessary to determine as to whether or not the heating system, the method of ventilation, or other apparatus and methods contemplated, are proper and adequate for the service intended. These same thoughts apply to the various other data throughout this book and it is hoped that, with these ideas in mind, the widest possible use will be made of these data.

A. S. H. & V. E. GUIDE PUBLICATION COMMITTEE,
PERRY WEST, *Chairman*