

and Heating by Radiation have been entirely rewritten. A chapter has been devoted to each of the Systems of Heating and new data has been contributed in each case on steam, hot water, warm air and gas. The chapters on Code for Testing Low Pressure Heating Boilers, Pumps for Heating and Ventilating Service, Oil for Industrial and Domestic Heating have been retained and new chapters on Automatic Heat Control and Insulation have been supplied.

For the Ventilation Section a new introductory chapter outlines the present status of the science while other new chapters include The Hill Synthetic Air Chart, Systems of Ventilation and the Application of Refrigeration to Air Conditioning, the revised chapters are on Temperature, Humidity and Air Motion, Air Washers, Duct Design, Exhaust and Collecting Systems and Ventilators.

In every case the various chapters are the product of one or more specialists, nearly all members of the Society, and revisions have generally been made by the original authors. Publications of the Society, as well as other sources of information, have been drawn upon for some material and credit has been given in each case.

Great care has been taken to maintain a logical arrangement of data in order that it may be most useful. Briefly the points covered are: Consideration of the required system, the figuring of heat losses, choice of proper equipment for heating by steam, hot water or warm-air with various fuels, pipe sizes, insulation and automatic heat control systems; ventilation systems, air conditioning, air washers; duct design, exhaust and collecting systems and other related facts that must be considered in the design and installation of a modern Heating and Ventilating Plant.

The increased size of the Manufacturers' Catalog Data Section, gives engineers, architects and contractors who use THE GUIDE when buying a wider selection of modern equipment and the list of products made by the users of Catalog Data pages affords an accurate Index to the Modern Equipment available. As in the case of both the First, Second and Third editions all Catalog Data have been carefully edited in an effort to eliminate exaggerated statements or claims.

No effort has been spared in compiling data for the improvement of this Fourth Edition of THE GUIDE and the suggestions of its users have been most helpful, in making it the standard reference work in our field, thereby performing a needed and valuable service in the advancement of the science.

THE AMERICAN SOCIETY of HEATING and VENTILATING ENGINEERS having for its purpose the advancement of the arts and sciences in its fields dedicated this volume to the service of the Industry and hopes that a closer contact between the maker and user of equipment will result in improved service to the country at large.

THE GUIDE for 1925-26, is released with the sincere hope that it will again perform a worth-while service in advancing the ideals of modern Heating and Ventilating.

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