COTTON CARDING. COTTON CARDS, PARTS 1-4

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Cotton carding. Cotton cards, parts 1-4 by H. E. Reed

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H. E. REED

COTTON CARDING. COTTON CARDS, PARTS 1-4



Cotton Carding

Cotton Cards, Parts 1-4

By

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PREFACE



In the preparation of the volumes of the International Library of Technology that deal with textile manufacturing, the desire of persons identified with the industry for pertinent and exact technical information has been constantly kept in mind. Undoubtedly, these texts will be of great value to all who are in any way connected with, or interested in, the manufacture of textiles, but the detailed instruction has been prepared specifically for teaching those who actually are engaged in the spinning of yarns and the designing and weaving of fabrics in textile mills. It is hoped, therefore, that these books will not only prove useful to busy mill executives and others for ready reference, but that they will also be of exceeding value for study to all who are actively engaged in the practical work of textile establishments.

As reference works, these volumes should enable many perplexing problems to be solved quickly and in an authoritative manner. As textbooks for study, they should serve to impart an accurate knowledge of manufacturing operations and processes to those who are most vitally concerned. In the latter case, the library will prove most helpful to the many textile workers who wish to improve their understanding of the machines and processes incident to operations included in the practical work of the department of the mill or branch of the textile industry with which they are identified. Moreover, many persons engaged in textile work are unfamiliar with any phase of textile manufacturing except the work of the department of the mill in which they are employed. Thus, those who are engaged in weaving may know nothing of spinning, carders may be unfamiliar with the work of spinners and weavers, superintendents may have a practical knowledge of only a single department, and so on. To all such, the study of textbooks relating to other branches of textile manufacturing has a distinct broadening influence that is exceedingly valuable to those in executive positions involving contacts with the work of a number of departments.

The technical information contained in these volumes is intensely practical, and the text has been carefully written so that facts and explanations may be readily grasped by those who are, or who are not, technically trained. A special effort has been made to treat all subjects completely from elementary to advanced stages, but explanations and descriptions have been made as concise as possible, consistent with a thorough treatment of the wide range of subjects. In describing a process, or the construction and operation of a machine, or method of performing necessary calculations, and the like, the subject is dealt with step by step so that there is no possibility of ambiguity. Illustrations have been used most generously, and have been employed whenever and wherever they serve to enhance the clearness of the text. Perspective drawings, plans, elevations, sections all have been employed and all have been drawn especially for these texts. Color has been employed in illustrations where it adds to the lucidity of explanations.

In this textbook, a complete treatise on cotton cards and cotton card-room operations is presented to the student. Subjects relating to the construction and operation of cotton cards, including all necessary calculations, have been dealt with in a logical order of sequence. All card settings have been explained; card clothing and the clothing of the various parts of a cotton card have been described; stripping, including not only usual methods, but continuous and vacuum stripping systems as well, has been fully treated, and waste tests, sliver testing, carding staple rayon, and many other matters have received adequate attention.

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