TEXTBOOK OF PRODUCT ENGINEERING AND STRENGTH DESIGN OF FURNITURE

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Preface to the book, "Strength Design Of Furniture," published in 1978 by Carl A. Eckelman, Professor of Wood Science, Purdue University, West Lafayette, Indiana.

Preface

Although furniture designers have always been concerned with the strength of the furniture they create, a methodology has never developed which permits a designer to analyze the strength requirements of a specific piece of furniture and then calculate on a scientific basis the size of the members and the joints needed to satisfy these requirements. Several years ago, the author became interested in problems related to the strength of furniture and undertook research to obtain quantitative answers to a number of perplexing strength problems. Additional investigations followed which over a period of years have developed into a continuous program of furniture research. The collection of data and information which followed resulted in the need to transmit this knowledge to others. Short courses were held for industry personnel and a formal university class was developed and taught to present what had been learned in a systematic manner. The formalized set of class notes developed formed the basis for this book. In general, the intent of this book is to introduce and develop the concepts and principles of strength design as applied to furniture and to collect pertinent information concerning the subject into a single document. No book of this nature can ever be complete, however, since research constantly produces new knowledge which should be included with the old. Nevertheless, a start must be made at some point, and this book should be recognized for what it is, a first attempt to organize and present a rational methodology for the strength design of furniture.

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*2; Imploturbocompressor; One Moving Part System Excellence Design - The InFlow Interaction comes from Macro-Flow and goes to Micro-Flow by Implossion - Only One Compression Step; Inflow, Compression and outflow at one simple circular dynamic motion / New Concept. To see a Imploturbocompressor animation, is possible on a simple way, just to check an Hurricane Satellite view, and is the same implo inflow way nature.Â Hand Written Class notes of CE (Civil) for GATE, IES, PSU and others. A Textbook of Machine Design by R.S.KHURMI AND J.K. GUPTA. Manufacturing Technology by P N Rao. Hand written Class room notes of CSE, IT for GATE, JTO and others PSUs. General Studies Hand Written class room notes.