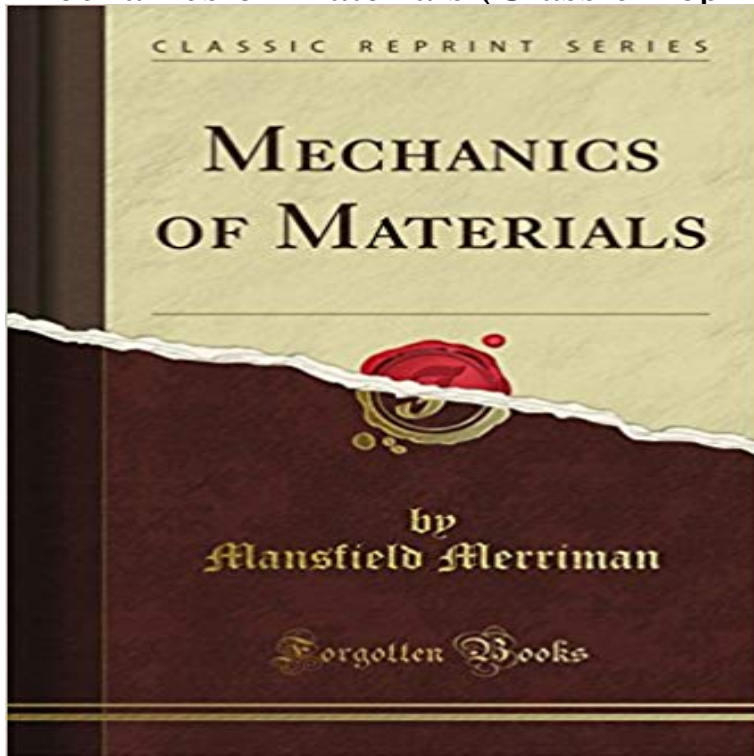


Mechanics of Materials (Classic Reprint)



PREFACE SINCE 1885, when the first edition was published, many advances have been made in the subject of Mechanics of Materials. Some of these have been noted in the additions to subsequent editions, but to record and correlate them properly it has now become necessary to rewrite and reset the book. In doing so the author has endeavored to keep the facts of experiment and practice constantly in view, for the theory of the subject is, merely the formal expression and generalization of observed phenomena. The subject, indeed, no longer consists of a series of academic exercises in algebra and rational mechanics, but it is indispensably necessary that the phenomena of stress should be clearly understood by the student. While laboratory work is a valuable aid to this end, it is important, in the opinion of the author, that no recitation or lecture should be held without having test specimens at hand with which to illustrate the physical phenomena.

Table of Contents
CONTENTS; CHAPTER I; ELASTIC AND ULTIMATE STRENGTH; 1 SIMPLE AXIAL STRESSES; 2 THE ELASTIC LIMIT; 3 ULTIMATE STRENGTH; 4 TESTS; 5 COMPRESSION; 6 SHEAR; 7 WORKING UNIT-STRESSES; 8 COMPUTATIONS AND EQUATIONS; CHAPTER II; ELASTIC AND ULTIMATE DEFORMATION; 9 MODULUS OF ELASTICITY ; 10 ELASTIC COEFFICIENTS OF ELASTICITY ; 11 ELASTIC LIMIT AND YIELD POINT; 12 ULTIMATE DEFORMATIONS ; 13 CHANGES IN SECTION AND VOLUME; 14 WORK IN PRODUCING DEFORMATION ; 15 STRAINING MODULUS OF ELASTICITY ; 16 HISTORICAL NOTES ; CHAPTER III; MATERIALS OF ENGINEERING; ART 17 AVERAGE WEIGHTS ; 18 Properties of MATERIALS ; 9; PAGE 4; 6; 9; II; 14; 19; 23; 25; 17; 30; 32; 35; 37; 39; 42; 43; 46; 48; 50; 52; 55; 57; 60; 66

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