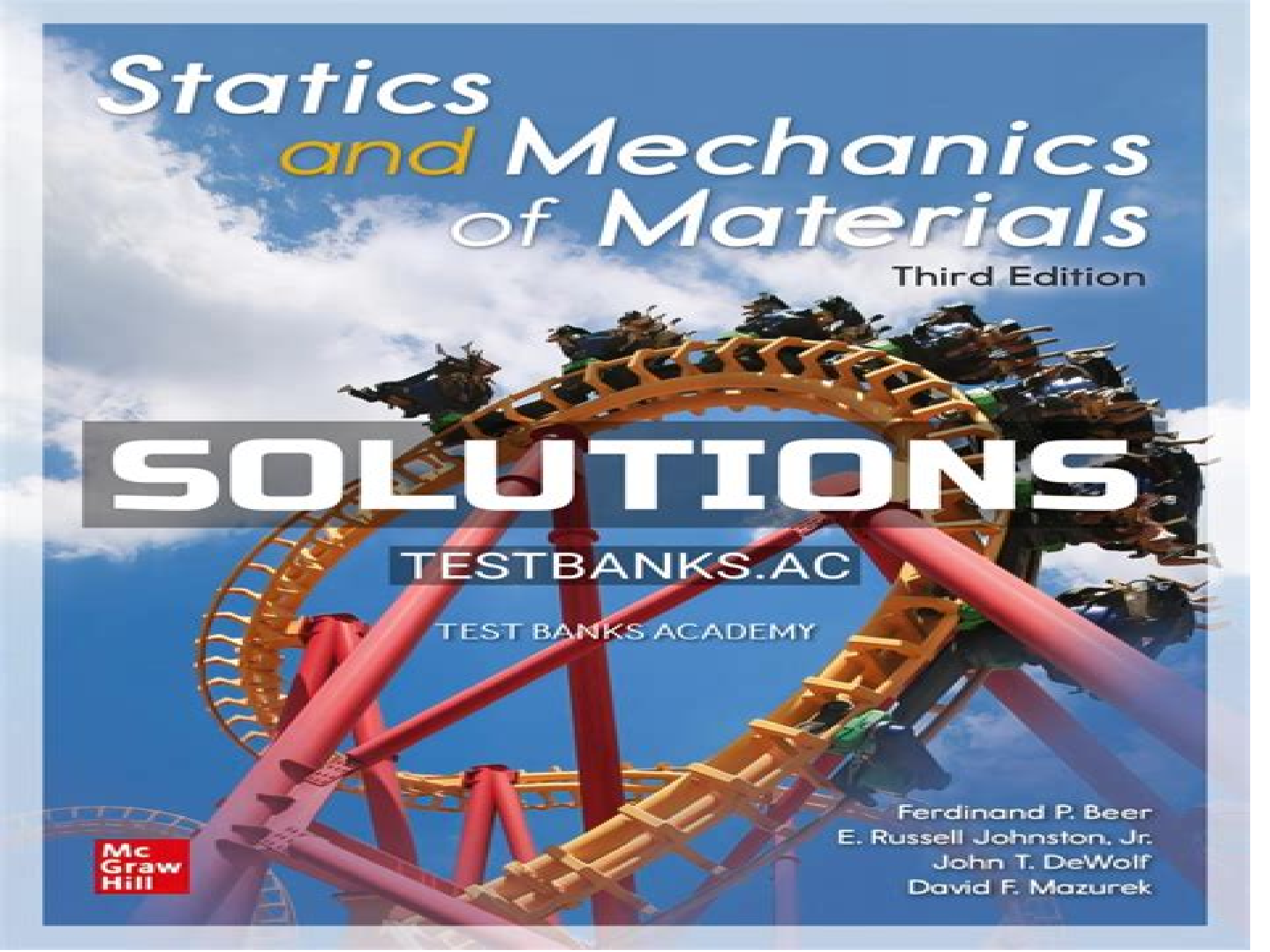




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Engineering News-record, 1897 **Statics and Mechanics of Materials** R. C. Hibbeler, 2017 For courses in introductory combined Statics and Mechanics of Materials courses found in ME CE AE and Engineering Mechanics departments Statics and Mechanics of Materials represents a combined abridged version of two of the author's books namely Engineering Mechanics Statics Fourteenth Edition and Mechanics of Materials Tenth Edition It provides a clear and thorough presentation of both the theory and application of the important fundamental topics of these subjects that are often used in many engineering disciplines The development emphasizes the importance of satisfying equilibrium compatibility of deformation and material behavior requirements The hallmark of the book however remains the same as the author's unabridged versions and that is strong emphasis is placed on drawing a free body diagram and the importance of selecting an appropriate coordinate system and an associated sign convention whenever the equations of mechanics are applied Throughout the book many analysis and design applications are presented which involve mechanical elements and structural members often encountered in engineering practice Also Available with MasteringEngineering™ MasteringEngineering is an online homework tutorial and assessment program designed to work with this text to engage students and improve results Interactive self-paced tutorials provide individualized coaching to help students stay on track With a wide range of activities available students can actively learn understand and retain even the most difficult concepts

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