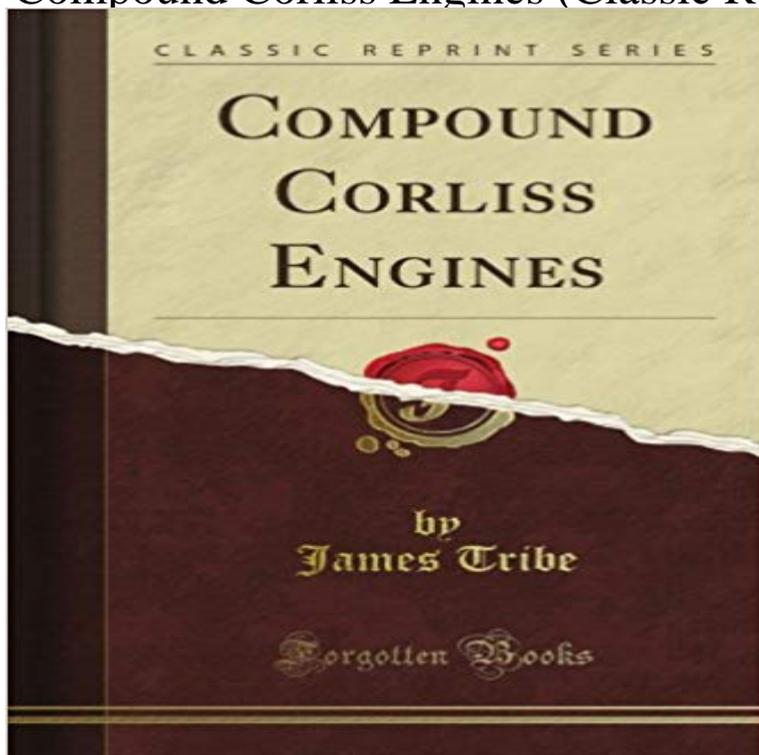


Compound Corliss Engines (Classic Reprint)



Compound Engines, but so much new material has been added and so thorough has been the revision of the old, that it has virtually become a new book. A new name also seems to be appropriate, for since the nearest approach to perfect thermal efficiency is realized in the Corliss type of Engines, and the variable cut-off features embodied in the same are assumed in all the examples, it has become desirable to adopt the name Compound Corliss Engines. In its present form it is an elementary Text-Book on the generation and utilization of heat and the transformation of heat energy into mechanical energy by means of the multi-cylinder Corliss Steam Engine. Although the work is theoretical in treatment it nevertheless aims to be thoroughly practical in its purpose, all of the examples being based upon actual up-to-date practice, and the data from engines which are actually built and running. It is written expressly to meet the needs of the steam engine designer whose knowledge of higher mathematics may be limited, and who finds himself handicapped by the complex formulae usually found in works on this subject. Preference is therefore given to plainly written rules, rather than algebraic formulae; and all figuring is kept well within the range of the ordinary rules of arithmetic, hence it may not be beyond criticism of the technical graduate. Most of the subject matter and all of the examples are original in treatment, yet great assistance has been had by consulting other authors, among whom are C. H. Haswell, T. M. Goodeve, R. H. Thurston, D. K. Clark, G. C. V. Holmes, William Kent, C. H. Peabody and The Transactions of the A. M. Soc. Mech. Engineers, for which due acknowledgment is here made. JAMES TRIBE. 1903. (Typographical errors above are due to OCR software and do not occur in the book.) About the Publisher Forgotten

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