



The Steam-Engine and Other Steam-Motors Volume 1; A Text-Book for Engineering Colleges and a Treatise for Engineers

By Robert Culbertson Hays Heck

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Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1905 Excerpt: .the energy put into the steam-jet is all changed back into heat as the currents come to rest at the lower pressure. The case of steam initially dry at 120 lbs., dropped to atmospheric pressure by throttling, is represented by the diagram BCLP. The energy of the jet is equal to ABCD: and when this is reconverted into heat, it evaporates all the moisture in the steam, along CL, then superheats it up to P, to a temperature calculated in Table 29 A. The area under CLP must be equal to ABCD. CHAPTER VII. THE MECHANICS OF THE ENGINE. 32. Forces in the Machine. (a) Forces On The Moving Parts Of The Engine.--In taking up a study of the force-actions in the common reciprocating pistonengine, we find a sufficient foundation of practical knowledge of the machine in the description of a simple high-speed engine given in...



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