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The Return Pipe System of Compressed Air Power Transmission

By Hans C Behr

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. 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: .with. There are some people who maintain that steel as well as iron castings cannot be made so tight against air as against steam pressure, but I believe that this difficulty could be overcome by keeping such castings as cylinder valve boxes and the like under steam pressure for some time, so that the pores might get rusted up and closed. I do not quite agree with Mr. Behr that the re-heating with the Cummings system will not be an improvement in economy, as every B.T.U. supplied from the heater to the air is directly converted into work, while when generated under the steam boiler the greatest portion of the heat is wasted in generating steam from water, besides there is the friction loss in engine and compressor. Speaking of mechanical efficiency, I beg to express doubt as to the efficiency of 96.7 per cent,...



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