



Description of Richard s Improved Steam-Engine Indicator

By Charles T Porter

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1868 edition. Excerpt: . that the velocity of piston at which diagrams Nos. 9 and 10 were drawn was 600 feet per minute. Another cause often contributes largely to injure the steam-line, especially in condensing engines--namely, the condensation of the steam on entering the cylinder; and to this the enormous fall of pressure in diagram No. 15 must undoubtedly be in part attributed, the smallness of the ports not being sufficient to account for it. III. The Expansion Curve. One of the most important uses of the Indicator is to demonstrate the correctness of the theory of expansion, the economy of working steam expansively, its practical limitations, and the value of the various means employed for cutting off the steam. The opposite diagram is drawn to illustrate the theory of expansion, which is that steam, being perfectly elastic, follows the law of the gases, known as Mariotte...



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