The Engineer's Handy-Book; Containing a Full Explanation of the Steam-Engine Indicator, and Its Use and Advantages to Engineers and Steam Users. with Formulae for Estimating the Power of All Classes of Steam-Engines



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Reviews

Very beneficial to any or all group of folks. I was able to comprehended everything using this composed e ebook. I am pleased to inform you that here is the finest publication i have study inside my individual daily life and might be he very best pdf for actually.

(Brielle Hilpert)

THE ENGINEER S HANDY-BOOK; CONTAINING A FULL EXPLANATION OF THE STEAM-ENGINE INDICATOR, AND ITS USE AND ADVANTAGES TO ENGINEERS AND STEAM USERS. WITH FORMULAE FOR ESTIMATING THE POWER OF ALL CLASSES OF STEAM-ENGINES



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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. 1889 Excerpt: .less labor to perform the division first, that is, to divide the area of the large piston by that of the small one, and multiply the quotient by the M. E. P. of the large one. Thus, 6379-4238 2574-1975 x 9-25 = 19-33 lbs., which, added to the M. E. P. of the small cylinder (33-25 + 19-33 = 5258 lbs.), gives for it the equivalent of both, 52-58. Then the volume of the average terminal (28 lbs.) being 895, the calculation., . 859-375 m be as follows:895 x 52.,8 = 16.2 lbs. From this the del will be Diagram No. 18 about 3 per cent., or-48 lbs., leaving (16 2---48) 15-70 lbs. per L H. P. per hour, which justifies theoretically the claim made 26i TJ. for these engines. The engines of the four steamships of this line gave very similar diagrams. Diagrams Nos. 19 and 20 were taken respective ly from the highand low-pressure cylinders of the compound engines of the steamship St. Paul, built by Cramp Sons, of Philadelphia, on her trial trip, and now plying between San Francisco, Cal, and Alaska. Scale of highpressure cylinder 30 lbs., of lowpressure cylinder 12 lbs., per square inch. The data are as follows: steam, 67 lbs.; revolutions per min., 74; cut-off, 25; vacuum, 26; indicated horsepower of high-pressure cylinder, 262.5; of low-pressure cylinder, 265 63; total, 52813. Mean effective pressure of high-pressure cylinder, 43125; of low-pressure cylinder, 14-25 lbs. The terminal-pressures, as shown by the...

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