Practical Handbook of Direct-Acting Pumping Engine and Steam Pump Construction (Paperback)

By Philip R Bjorling

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. 1889 edition. Excerpt: .run at from 100 to 120 feet per minute. The best speed for large pumping engines is obtained by multiplying the square root of the length of stroke of the piston by 80. Ratio Of The Aeea Of Subsidiary Cylinder And Area Of Slide Valve. For Single Cylinder Engines. Bule.--Divide the area of slide valve by 3 and the quotient equals area of subsidiary cylinder. Example.--A slide valve 4J inches long by 8 inches wide. 4 5 x 8 = 36 inches area of valve.--=12 inches area of subsidiary or valve-moving cylinder, o or, say, 4 inches diameter. Foe Compound Engines. Mule.--Divide the areas of the two slide valves, added together, by 5; the quotient equals the area of the subsidiary piston. Example.--High pressure slide valve 4 inches long by 8 inches wide; low pressure slide valve 4-inches long by 11 inches wide. 4-5x8...

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