



High Steam-Pressures in Locomotive Service Volume 66 (Paperback)

By William Freeman Myrick Goss

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. 1907 Excerpt: . a boiler containing 2000 feet of heating surface (column 5) weighing with the contained water 55,560 pounds (column 3), an increase of 5 per cent (column 1) or 2778 pounds (column 4), will permit an extension in heating surface of 234.7 square feet (column 6) which, compared with its original surface is an increase of 11.73 per cent (column 7). This increase in the extent of heating-surface, assuming the power developed to remain unchanged, will result in an improvement in the performance of the boiler of 2.86 per cent (column 8). The facts underlying the analysis are primarily the results of tests. VIII. CONCLUSIONS CONCERNING BOILER.PRESSURE VERSUS BOILER CAPACITY AS A MEANS OF INCREASING THE EFFICIENCY OF A SINGLE.EXPANSION LOCOMOTIVE. 32. In the preceding chapters an analysis has been given showing the saving which may result in locomotive service, first, by increasing the pressure, the...



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