



# Steam Pipes, Their Design and Construction: A Treatise of the Principles of Steam Conveyance and Means and Materials Employed, in Practice, to Secure Economy (Classic Reprint)

By Wm H Booth

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Steam Pipes, Their Design and Construction: A Treatise of the Principles of Steam Conveyance and Means and Materials Employed, in Practice, to Secure Economy If any engineer will refer to his various text-books for information on steam piping, he will find very little to assist him. The earliest steam pipes served to convey steam at atmospheric pressure into cylinders of large size. The object of the steam was simply to fill the cylinder with a condensable vapour, so that upon cooling it there was a vacuum formed and the air pressure on the opposite face of the piston was made to do work. So long as the piston could be drawn up by the weight of the pump spear rods hung to the opposite end of the beam, it mattered little that the pipes were small, for there was no object in filling the cylinder with steam at full boiler pressure, for the vacuum obtained on condensing would be better as the steam was the less in quantity. When the steam engine was made...



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