

**The Effect of Moisture in the Air on the Operation of Gas Engines and Air Compressors: Thesis for the Degree of Bachelor of Science in Mechanical Engineering, College of Engineering, University of Illinois,**



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*(Prof. Maya Hand)*

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Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Excerpt from The Effect of Moisture in the Air on the Operation of Gas Engines and Air Compressors: Thesis for the Degree of Bachelor of Science in Mechanical Engineering, College of Engineering, University of Illinois, 1912 As a general thing air is considered dry. This is an erroneous conclusion because the evaporation of the water on the surface of the earth impregnates the air with a certain amount of water vapor. While the weight of this water vapor is small in comparison with the weight of the air, yet if accurate calculations are to be made in problems that involve the use of air, the moisture in it must be taken into consideration. This moisture in the air is measured by the per cent of humidity, which is the ratio of the actual amount of moisture in the air to the amount that the same volume of air could hold at the same temperature if it were saturated with water vapor. One pound of saturated air at 90 F. Would contain grains of moisture; at ten degrees below zero it would contain grains. These figures show that there is an appreciable amount of water vapor in the air, and, if correct analysis of the performance of gas engines and air compressors is to be made, this moisture in the air must be taken into consideration. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the...



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