



## The Theory of Drying and Its Application to the New Humidity-Regulated and Recirculating Dry Kilns (Classic Reprint)

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By Unknown Author

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from The Theory of Drying and Its Application to the New Humidity-Regulated and Recirculating Dry Kilns The qualification in regard to air is necessary, for the sake of exactness, for the following reason: In any given space the total actual pressure is made up of the combined pressures of all the gases present. If the total pressure ( vacuum ) is 2 inches, and there is no air present, it is all produced by the water vapor (which saturates the space at 101 F.); but if some air is present and the total pressure is still maintained at 2 inches, then there must be less vapor present, since the air is producing part of the pressure and the space is no longer saturated at the given temperature. Consequently further evaporation may occur, with a corresponding lowering of the temperature of the water, until a balance is again reached. Without further explanation it is easy to see that but little water can be evaporated by a vacuum alone without addition of heat and that the prevalent idea...



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