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Heat for Engineers; A Treatise on Heat with Special Regard to Its Practical Application (Paperback)

By Charles Robert Darling

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. 1908 Excerpt: owing to being practically infusible. An excellent lining for electric furnaces is also made from magnesite, which is calcined by passing the material gradually through an electric arc. The product, known as electrically shrunk magnesite, forms a solid block from which furnace linings may be made, and, if pure magnesite be used, does not melt at the temperature of the electric furnace or that attained by thermit compounds. Utilisation of Latent Heat of Fusion for Heating Purposes. Railway Foot-Warmers. --It has previously been pointed out that the latent heat disengaged when a liquid solidifies causes the temperature to remain at the melting-point for a period of time depending upon the quantity of liquid and the rate at which heat is lost by radiation, etc. Advantage has been taken of this phenomenon in the construction of foot-warmers for use on railways, by filling a flat metal vessel...



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