



A Treatise on Refrigerating and Ice-Making Machinery Volume 2

By International Schools

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. 1899 Excerpt: .is kept continually flowing over the coils of the condenser and carries away the heat generated by the isothermal compression 13 A, Fig. 232, or B C, Fig. 317. 1337. It is instructive to note the relation of the refrigeration process to the second law of thermodynamics. (See Art. 1177, Heat.) This law asserts that heat can not pass from a cold to a hot body by a self-acting process unaided by external agency. In other words, whenever heat is transferred from a body to a warmer body, there must be some work expended to effect the transfer. In the process described above, the refrigerating-machine is the agent used in transferring the heat from the refrigerating room to the condensing water, and the work expended by the machine on the fluid is that required in the transfer. The transfer of heat may be expressed algebraically as...



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