



Bulletin - United States. Bureau of Soils Volume 1-18

By United States Bureau of Soils

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. 1895 Excerpt: .as free from carbon as possible, and is covered with single cotton insulation. Since the temperature coefficient of iron seems to vary greatly with the amount of carbon present, it was deemed necessary to determine the temperature coefficient. This was done by making an open coil of a suitable length of the wire, providing it with heavy copper lead-wires, and placing the whole in an oil bath which was gradually heated up to 160 F. and then allowed to cool slowly, the resistance of the wire being noted at 5 degree intervals as the bath cooled. The variation in resistance with the temperature, computed from the curves actually obtained, is given in the following table and is shown graphically in the accompanying curve: The resistance-temperature curve of the iron wire used in the temperature coils having been determined, the resistance of the temperature coil for every...



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