



The Electro-Deposition of Brass, from Cyanide Solutions (Classic Reprint)

By Earl Grover Sturdevant

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Electro-Deposition of Brass, From Cyanide Solutions A survey of the literature on the electro-deposition of brass shows that brass has been obtained from cyanide solutions which vary decidedly in ratio of copper to zinc, metal content, cyanide content, alkalinity, current density, and temperature. This fact is clearly evident from the table compiled by C. W. Bennett (Trans. Amer. Electrochem. Soc. (1913), 23, 251), which is a summary of brass plating solutions that have been recommended. Calculations from the figures given in this table show that the composition of these solutions, expressed in grams per liter, varies from 0.76 to 47.77 g. of copper; 1.59 to 23.38 g. of zinc; 0.00 to 165.00 g. of potassium cyanide; 0.00 to 180.00 g. of alkaline substances; and 0.00 to 90.00 g. of slightly acid substances. The extreme variation in metal ratio is shown by solutions 1 and 12 in this table. In solution 1 the ratio is 10 parts of copper to 80 parts of zinc; in solution 12 the ratio is 10 parts of copper to...

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