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DEPARTMENT OF COMMERCE
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Letter Circular LC 121

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PUBLICATIONS ON ELECTRODEPOSITION FROM THE BUREAU OF STANDARDS

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A - Available for free distribution. Address request to Bureau of Standards, (Attention of V-6).

B - May be secured by sending list price to Superintendent of Documents, Government Printing Office, Washington, D.C. Do not send money to the Bureau of Standards.

C - Not available except in libraries, etc.

I. General

C - Factors Governing the Structure of Electrodeposited Metals, W. Blum - Trans. Am. Electrochem. Soc. 36, 213 (1919).

C - The Structure and Properties of Alternately Electrodeposited Metals. W. Blum. Trans. Am. Electrochem. Soc. 40, 137, (1921) and Chem. Met. Eng. 25,96 (1921).

A - Abstract of preceding article. Bureau of Standards Letter Circular LC 33 (1921).

C - The Influence of the Base Metal on the Structure of Electrodeposits, W. Blum and H. S. Rawdon - Trans. Am. Electrochem. Soc. 44, 305 (1923).

C - Current Distribution and Throwing Power in Electrodeposition. H. E. Haring and W. Blum - Trans. Am. Electrochem. Soc., 44, 313 (1923).

C - Principles of Throwing Power - Monthly Rev. Am. Electroplaters' Soc. Aug. 1923.

C - The Crystalline Form of Electrodeposited Metals, W. Blum and H. S. Rawdon - Trans. Am. Electrochem. Soc. 44, 397, (1923).

C - Recent progress in Electroplating and Electroforming. W. Blum - Trans. Am. Electrochem. Soc., 45 (1924).

II. Copper Deposition

B - Regulation of Electrotyping Solutions. Bureau of Standards Circular C 52. Second Edition (1916). 10 cents.

C - Preliminary Studies in the Deposition of Copper in Electrotyping Baths. W. Blum, H. D. Holler and H. S. Rawdon, Trans. Am. Electrochem. Soc. 30, 159 (1916).

B - Relation Between Composition and Density of Aqueous Solutions of Copper Sulphate and Sulphuric Acid. H. D. Holler and E. L. Peffer. Bureau of Standards Scientific Paper S 275 (1916). 5 cents.

III. Zinc Deposition

C - Zinc Cyanide Plating Solutions, W. Blum, F. J. Liscomb and C. M. Carson, Monthly Rev. Am. Electroplaters' Soc., Nov. 1918, Dec. 1918, and April 1919.

B - Same. Bureau of Standards Technologic Paper T 195 (1921). 5 cents.

IV. Lead Plating

C - The Operation of Fluoborate Lead Plating Baths. F. J. Liscomb, Z. Jencks and W. E. Bailey. Monthly Rev. Am. Electroplaters' Soc. September 1919.

C - Lead Plating from Fluoborate Solutions. W. Blum, F. J. Liscomb, Z. Jencks and W. E. Bailey. Trans. Am. Electrochem. Soc. 36, 243 (1919).

A - Abstract of preceding article. Bureau of Standards Letter Circular LC 34 (1921).

V. Nickel Deposition

A - The Use of Fluorides in Solutions for Nickel Deposition. W. Blum - Trans. Am. Electrochem. Soc. 39, 459 (1921).

C - Principles Underlying the Acidity of Nickel Plating Solutions, W. Blum and M. R. Thompson - Monthly Rev. Am. Electroplaters' Soc. Aug. 1921.

C - The Acidity of Nickel Depositing Solutions, M. R. Thompson, Trans. Am. Electrochem. Soc. 41, 333 (1922).

C - Control of Acidity in Nickel Deposition - Monthly Rev. Am. Electroplaters' Soc. December 1922.

A - Same - Bureau of Standards Letter Circular LC 82, (1922).

C - The Effect of Impurities in Nickel Salts Used for Electrodeposition, M. R. Thompson and C. T. Thomas - Trans. Am. Electrochem. Soc. 42, 79 (1922).

C - The Purity of Nickel Salts, M. R. Thompson and C. T. Thomas - Monthly Rev. Am. Electroplaters' Soc., September 1922.

A - Same. Bureau of Standards Letter Circular LC 83 (1922).

C - The Effect of Iron on the Electrodeposition of Nickel. M. R. Thompson, Trans. Am. Electrochem. Soc., 44, 359 (1923).

C - Nickel Anodes - C. T. Thomas and W. Blum. Trans. Am. Electrochem. Soc. 45, (1924).

C - Behavior of Nickel Anodes, C. T. Thomas and W. Blum, Monthly Rev. Am. Electroplaters' Soc. March 1924.

A - Same. Bureau of Standards Letter Circular LC 115 (1924).

C - Conductivity of Nickel Depositing Solutions, L. D. Hammond, Trans. Am. Electrochem. Soc. 45 (1924).

A - Abstract of preceding paper. Bureau of Standards Letter Circular 120 (1924).

VI. Black Nickel Plating

C - Black Nickel Plating Solutions. Geo. B. Hogaboom, T. F. Slattery and L. B. Ham. Monthly Rev. Am. Electroplaters' Soc. July 1919.

B - Same. Bureau of Standards Technologic Paper T 190 (1921). 5 cents.

VII. Miscellaneous

C - Military Applications of Electroplating. W. Blum, Trans. Am. Electrochem. Soc. 34, 169 (1918).

A - The Embrittling Effects of Cleaning and Pickling upon Carbon Steels. S. C. Langdon and M. A. Grossman. Trans. Am. Electrochem. Soc. 37, 543 (1920).

C - Specification of Electroplating for the Automotive Industry, W. Blum, Automotive Industries, June 16, 1289 (1921).

C - The Electrolytic Reproduction of Engraved Printing Plates. W. Blum and T. F. Slattery, Chem. & Met. Eng. 25, 320 (1921).

C - The Electrodeposition of Lead-Tin Alloys, W. Blum and H. E. Haring, Trans. Am. Electrochem. Soc. 40, 287 (1921).

A - Abstract of preceding paper. Bureau of Standards Letter Circular LC 4 (1921).