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An Introduction to the Theory of Electricity, with Numerous Examples

By Linnaeus Cumming

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. 1894 edition. Excerpt: .common surface, and galvanic circuits are set up through the zinc itself, which rapidly consume it, and interfere entirely with the action of the cell. To avoid this, the zinc plate used is rubbed over with mercury, which forms a pasty amalgam with the zinc, gives the latter a uniform surface for the action of the acid, and prevents the local circuits. The mercury itself is not attacked by the acid, but seems to improve the action of the cell by raising the difference of potential at the zinc plate. By this means and the employment of various contrivances for ejecting the reduced zinc and supplying the other substances, batteries of the constant class can be kept in working order (as for telegraph purposes) for months without further care than the occasional filling up with acidulated water. 153. The power of a galvanic cell may...



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