



Transactions of the Electrochemical Society Volume 3

By Electrochemical Society

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1903 edition. Excerpt: .electrochemical action which would make the aluminum the anode and would therefore dissolve it. That the rivets were of steel is shown by the samples, some of which still contain steel rivets. The electrochemical action would also be increased by the manganese bronze, of which part of the hull was made. This would form a true battery with the aluminum part, and as this battery was short-circuited and of low internal resistance the current might have been very great. The electrochemical corrosion might also have been increased by the nickel which was alloyed with the aluminum, if any of the nickel was not combined with the aluminum to form a physical or chemical alloy as distinguished from a mere mechanical mixture of the two metals. If there had been absolutely nothing but aluminum on the outside of the boat I do not believe the...



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