



## Transactions of the American Electrochemical Society Volume 34

By American Electrochemical Society

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 114 pages. Dimensions: 9.7in. x 7.4in. x 0.2in. 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. 1919 edition. Excerpt: . . . W. Richards1: Dr. Mathews speaks, in his concluding paragraph, of the saving of the rarer elements made practicable by using the electric furnace. A very good illustration of this is seen in making armor plate. About 50 percent of the steel cast from the furnace gets into the finished armor plate and about 50 percent is scrap, which has to go back to the furnace to be remelted. In this remelting all the chromium in the metal is lost; and this is not only a loss of chromium, but it makes a slag that is very pasty, infusible and hard to handle, so that you have difficulty with the slag because of its content of chromium oxide. If the armor-plate scrap were remelted in electric furnaces, the whole of the chromium would be saved and the metallurgical difficulties with the slag would be obviated....



**READ ONLINE**  
[ 3.31 MB ]

### Reviews

*This publication may be really worth a go through, and a lot better than other. It really is written in simple terms and never difficult to understand. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Natalie Abbott**

*This book will not be simple to get going on reading but extremely exciting to read through. Yes, it can be playful, still an interesting and amazing literature. I am very easily could possibly get a delight of reading a written book.*

-- **Rene Olson**