



Proceedings of the Engineers Society of Western Pennsylvania Volume 1

By Engineers' Society Pennsylvania

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 126 pages. Dimensions: 9.7in. x 7.4in. x 0.3in. 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. 1882 Excerpt: . . . should be removed from the slag, and then deoxidized and recarbonized in the usual manner. When an open hearth is furnished with a lime lining, and the metal is held at a high temperature in the presence of a highly Tjasic bath, until the silicon and carbon are eliminated and the silicic acid is engaged as silicates, and carbonic oxide disappears, and the slag is still sufficiently basic, the phosphorus is rapidly eliminated and remains in the slag as a phosphate of iron, the metal may then be treated with ferro-manganese or spiegel, for deoxygenizing and recarbureting it. In both the Bessemer and the open hearth practice it is desirable that the metal should be removed from the presence of the phosphoric slag before the ferro-manganese or spiegel is added, as the chemical reactions which take place when these elements are added, tend to carry a...



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