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## Studies of Blast Furnace Phenomena

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By M L Gruner

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. 1874 Excerpt: .100, arising from the hydrated state of the ores. Yield in twenty-four hours, 24 tons of gray forge iron. Charges--hydrated ore in grains, with--slag from forge, contains about 40 as a mean. Consumption per lb. of iron, i 1-145 at 17 of ash and 3 of u coke l water, or 0916 pure carbon. ores 2-547 flux 0-906 Slag produced. 1-470 This is again an example of economical working, and if we apply to this the methods of calculation above given in detail for Pouzin, we should again find a high value for the ratio CO<sub>2</sub>---. An increase in height would certainly not diminish CO the consumption, already very low. 9 The only possible economy is that which would result from the use of higher temperature of blast. If now I am asked whence arises this great difference between the working of the French furnaces here...



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