

Cancelled

N^o 2219



A.D. 1915

•Date of Application, 26th May, 1914—Accepted, 26th May, 1915.

COMPLETE SPECIFICATION.

Improvements in the Process of Bessemerizing Copper Matte.

I, JAMES BROWN HERRESHOFF, Junior, of Richmond Hill, Borough of Queen's, City and State of New York, United States of America, Chemical Engineer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a process of treating copper matte of the kind wherein the copper matte produced in a blast furnace is submitted to a blowing process whilst in a Bessemer converter either lined with a neutral or basic material or containing silicious material such as silicious copper ore or silicious slags rich in copper, for the purpose of producing on the one hand white metal to be subsequently converted into blister copper and on the other hand a silicious slag which contains the iron originally present in the matte and a varying small proportion of copper.

In the process of bessemerizing copper matte, the employment in the Bessemer converter, of a slag composed principally of copper silicate, produced when refining blister copper in a reverberatory furnace, the silicious content of this slag being utilized for fluxing and slagging purposes whilst the copper content is added to the bath.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

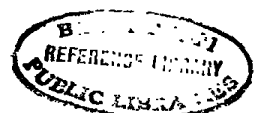
In the process of bessemerizing copper matte, the employment in the converter, as silicious material, of a slag composed principally of copper silicate, obtained when refining blister copper in a reverberatory furnace.

Dated this 11th day of February, 1915.

A. M. & WM. CLARK,
Chartered Patent Agents,
53, Chancery Lane, London, W.C.

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[Price 6d.]



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According to the present invention use is made, as silicious material in the Bessemer converter, of a slag composed principally of copper silicate, produced when refining blister copper in a reverberatory furnace, the silicious content of this slag being utilized for fluxing and slagging purposes whilst the copper content is added to the bath.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

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MEMO. TO LIBRARIANS.

Specification No. 2219, A.D. 1915.

This Specification is sent in place of that previously printed, which is now cancelled.

THE PATENT OFFICE,

27th September, 1917.

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