

Amendment A

Filed Aug. 31 1959

Robert Gardner

Condemned to 5

Application of Robert

Robert Gardner for

25000, subject to

for

Competition of Miller

or other persons

whose names are given

in the schedule

Also see serial 723905

J. E. ...

1 1959



To/
THE COMMISSIONER OF PATENTS:-

In the matter of my application for letters patent No. 723,905, July 15th, 1899 for "Composition of Matter and method or process for extracting copper metal from Copper bearing ores, &c." I hereby amend my specification as follows:-

✓ By striking out from the 10th and 11th lines, page 1 the words, "and including the ingredient used for precipitation."

✓ By striking out all of the 19th line page 1, to-wit "Scrap iron or zinc for precipitation."

✓ By striking out in the 28th line, page 1 after the words "into a vat" the words, "and a sufficient amount of scrap iron or zinc placed into it to precipitate the copper. The amount of the iron or zinc to be used must be regulated by experience, the larger the amount of iron or zinc used the sooner the copper will be precipitated." and substitute the words,

"for precipitation by any of the well known methods for precipitating copper."

✓ By striking out all of the first five lines on page two, to-wit:-
"I am aware that sulphuric acid has been used by chemists to dissolve copper and that iron or zinc has also been used by them to precipitate it, but I am not aware that either has been used in combination with the other ingredients for the purpose of extracting copper from copper bearing ores." and substituting therefor the following, to-wit:-

A ✓ I am aware that sulphuric acid has been used by chemists to dissolve copper, and that a composition consisting of sulphuric acid, chlorid of sodium and manganate of an alkali has been used for extracting gold from gold bearing ores and that a patent was granted to James Gow Black and Robert Chellen Skeet, February 28~~th~~, 1899, No. 620,215, but I am not aware that all of the ingredients of my composition have been used together to extract copper from copper bearing ores, or that any of them have been practically used for said purpose.

✓ By striking out in Claim One the first three words, to-wit, "The herein described" and the words "and scrap or other iron or zinc" and inserting in the place of the words "The herein described" the following

Per B
A "~~A process of extracting copper from ores, minerals or copper bearing substances by a~~".

✓ By striking out all of the third claim, to-wit "3. The application of iron or zinc for the purpose of precipitating copper from the solution in treating copper ores."

Signed at Denver, in the County of Arapahoe and State of Colorado.

ROBERT GARDINER by

M. G. Morris
His Attorney in fact.

P. H. W. Coffey

Emerson J. Short

M. G. Morris
ASSIGNEES OF AN UNDIVIDED INTEREST IN SAID INVENTION.

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