UNITED STATES PATENT OFFICE.

MOSES P. PAGE, OF EUREKA, ILLINOIS.

IMPROVEMENT IN ALLOYS FOR PLATING METALLIC ARTICLES.

Specification forming part of Letters Patent No. **194,365**, dated August 21, 1877; application filed February 17, 1877.

To all whom it may concern:

Be it known that I, MOSES P. PAGE, of Eureka, in the county of Woodford and State of Illinois, have invented a new and Improved Plating Composition, of which the following is a specification:

The object of this invention is to provide a cheap and readily-fused plating composition or alloy, by which all kinds of metallic articles used in the household, shop, or farm may be plated, so as to be protected effectively against corrosion, requiring less labor in being kept clean, and obtaining a superior and neater appearance thereby.

The invention will first be described in connection with all that is necessary to a full understanding thereof, and then pointed out in the claim.

The composition is obtained by taking one part of silver, ten parts of tin, one part of nickel, and four parts of copper, with a small quantity of carbon, and so on, the proportions being according to the articles and the degree of temperature to which they may be exposed.

This mixture with the metals is then placed in a plumbago crucible, the vacant space above the metal being filled with charcoal heated with bituminous coal piled about it to the top of crucible, the coal surrounded by sheet-iron to prevent the escape of heat. The crucible is covered with a plate of iron, except when the mass is being stirred. The heating is continued about two hours, when the mixture is taken off, thoroughly skimmed, and, after the subsidence of the red heat, poured into molds.

In regard to the carbon, I use a round plate of iron, with a rod made stationary in the center, on the inside of crucible, and pass this through a perforated plate that forms the cover. This device keeps the pulverized carbon submerged in the fused metals.

The carbonized plating is best adapted for bolt-heads, carriage-trimmings, and soft iron generally.

The articles to be plated are dipped into the composition until thoroughly and uniformly coated with the plating material.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A plating composition consisting of silver, one part, tin, ten parts, nickel, one part, and copper, four parts, as herein described.

MOSES PENN PAGE.

Witnesses:

J. F. DENNIS,

C. MORKING.