

UNITED STATES PATENT OFFICE.

HELEN L. MACKER, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN ALLOYS TO IMITATE SILVER, &c.

Specification forming part of Letters Patent No. 122,901, dated January 23, 1872.

Specification describing a certain compound invented by HELEN L. MACKER, of Boston, in the county of Suffolk and State of Massachusetts, to be used instead of silver in many instances.

The nature of the invention is fully described below.

The composition produced by the ingredients given below resembles silver very much, and although it is not intended to counterfeit silver, yet it is hoped that this composition will take its place to a large extent. It can be used for all the purposes that silver is used for, including plated-ware, solid ware, ornaments, saddlery, hardware, &c. It can be manufactured into the desired articles by rolling, hammering, casting, molding, plating, &c.

The following is the compound in the proportion of the ingredients: Five pounds tin,

one-quarter pound antimony, one-half ounce aluminum, one-half ounce quicksilver, two ounces bismuth. This compound will not tarnish with age or weather.

For rolling metal bismuth may be omitted, if desired, and two ounces copper added.

The addition of a pound of lead would lessen the expense per pound, and can be resorted to, if desired.

To stiffen add more copper, and to soften add less.

I claim as my invention—

The above-described composition, substantially in the proportions and for the purpose set forth.

HELEN L. MACKER.

Witnesses:

HENRY W. WILLIAMS,
ZILPAH H. BOSSETT.