

UNITED STATES PATENT OFFICE.

DUANE H. CHURCH, OF NEWTON, MASSACHUSETTS.

ALLOY OF COPPER, NICKEL, AND GOLD.

SPECIFICATION forming part of Letters Patent No. 385,909, dated July 10, 1888.

Application filed September 28, 1887. Serial No. 250,930. (No specimens.)

To all whom it may concern:

Be it known that I, DUANE H. CHURCH, of Newton, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Alloys of Copper, Nickel, and Gold, of which the following is a specification.

My invention has relation to alloys or compound metals, and has for its object to produce such a metal which shall be susceptible of a very high polish, be non-oxidizable, and highly attractive in appearance, as also useful for a variety of purposes.

My improved alloy consists of a compound of fifty parts of copper, nickel, and gold, in the proportion of fifty to seventy-five parts of copper, fifteen to forty parts of nickel, and ten to thirty-five parts of gold.

I have found that the proportions of fifty parts of copper, fifteen parts of nickel, and ten parts of gold give good results, though the proportions may be varied within the limits above noted without materially affecting or changing the characteristics of the alloy.

A compound metal thus constituted is very fine-grained, strong, and malleable, so as to be readily worked, and of a shade closely resembling that of silver, is susceptible of a high polish, and non-oxidizable and highly attractive in appearance. It may be employed in a variety of ways in the industrial and useful arts.

What I claim is—

An alloy or compound metal composed of copper, nickel, and gold, in the proportions of fifty to seventy-five parts of copper, fifteen to forty parts of nickel, and ten to thirty-five parts of gold, as hereinbefore set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 27th day of September, A. D. 1887.

DUANE H. CHURCH.

Witnesses:

ARTHUR W. CROSSLEY,
A. D. HARRISON.