

# UNITED STATES PATENT OFFICE.

DANIEL O'HARA, DANIEL W. ELDREDGE, AND JOHN LOGAN, OF WALTHAM,  
MASSACHUSETTS.

## ALLOY.

SPECIFICATION forming part of Letters Patent No. 385,947, dated July 10, 1888.

Application filed March 2, 1888. Serial No. 265,927. (No specimens.)

*To all whom it may concern:*

Be it known that we, DANIEL O'HARA, DANIEL W. ELDREDGE, and JOHN LOGAN, of Waltham, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Alloys, of which the following is a specification.

Our invention has for its object to provide an alloy or compound metal which shall be practically non-magnetic, inoxidizable, and will have a suitable coefficient of expansion to adapt it for use as the material for one of the parts of the rim of a compensation-balance for watches or chronometers.

Our improved alloy consists of a compound of platinum, copper, nickel, and gold in about the following proportions: platinum, from thirty (30) to fifty (50) parts; copper, thirty (30) parts; nickel, ten (10) parts; gold, ten (10) parts.

We do not limit ourselves to the exact proportions of copper, nickel, and gold above speci-

fied, but may vary the same within reasonable limits without departing from the spirit of our invention.

We claim—

An alloy or compound metal composed of platinum, copper, nickel, and gold, in substantially the following parts, viz: from thirty to fifty parts of platinum, thirty parts of copper, ten parts of nickel, and ten parts of gold, as set forth.

In testimony whereof we have signed our names to this specification, in the presence of two subscribing witnesses, this 28th day of February, A. D. 1888.

DANIEL O'HARA.  
DANIEL W. ELDREDGE.  
JOHN LOGAN.

Witnesses:

HENRY N. FISHER,  
EDWARD A. MARSH.