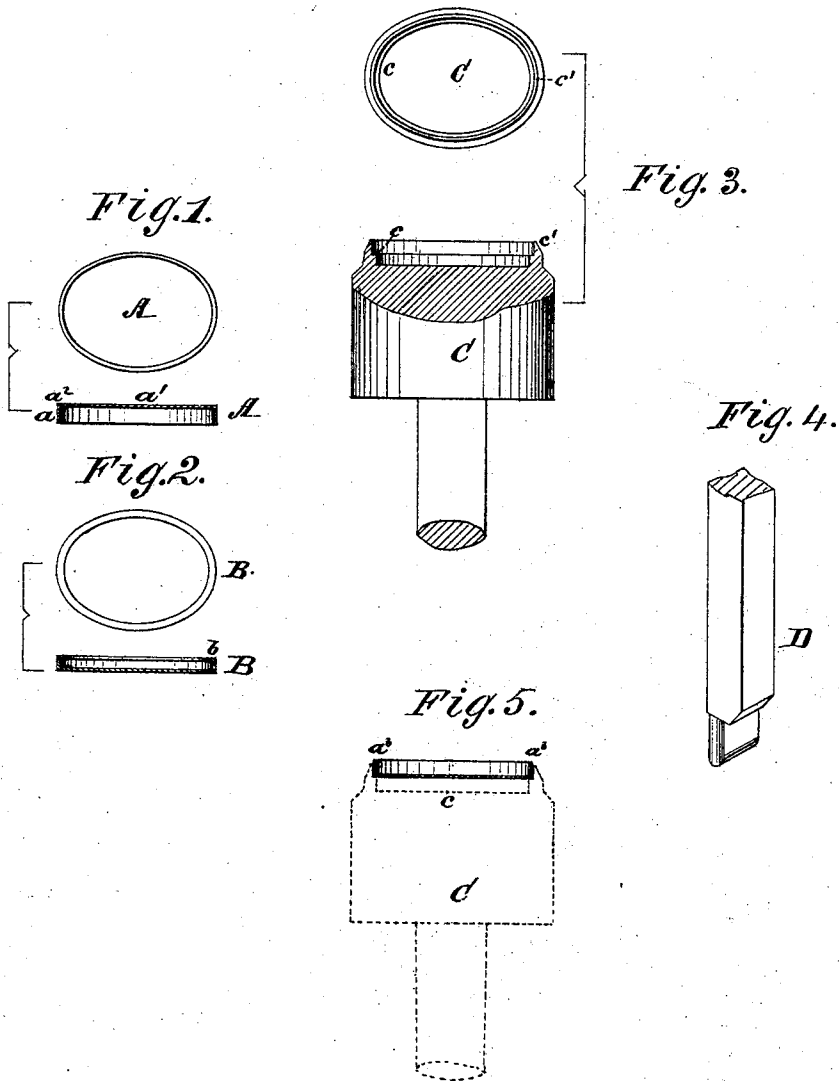


S. COTTLE.

Manufacture of Jewelry Bases.

No. 135,088.

Patented Jan. 21, 1873.



Witnesses:
G. M. Myers.
C. A. Pettit

Inventor:
Shubael Cottle
PER *[Signature]*
Attorneys.

UNITED STATES PATENT OFFICE.

SHUBAEL COTTLE, OF NEW YORK, N. Y.

IMPROVEMENT IN THE MANUFACTURE OF JEWELRY-BASES.

Specification forming part of Letters Patent No. 135,088, dated January 21, 1873.

CASE B.

To all whom it may concern:

Be it known that I, SHUBAEL COTTLE, of New York, in the county of New York and State of New York, have invented Means for Making certain Forms of Jewelry Bases for Studs, Buttons, or Settings, of which the following is a specification:

The invention consists in forming the jewelry base, hereinafter fully described and subsequently claimed, of one piece of metal.

Figure 1 is a plan and longitudinal section of the blank which is used; Fig. 2 is a similar view of the product or article designed; Fig. 3 is a view of mandrel with grooves displayed; Fig. 4 is an elevation of a burnishing-tool; and Fig. 5 is a vertical section of the mandrel with blank resting thereon.

A in the drawing represents a blank having the barrel a and bottom a^1 at a sharp angle, a^2 ; and B is the article or product which is provided with an overlapping flange, b . C is a mandrel with end cavity c , and a ledge, c' , extending a little below the edge of cavity c , while D is a burnisher which is employed in connection with the mandrel. The blank A

is placed within cavity c and supported on the ledge c' , while the mandrel is rotated and the edge thinned a little to weaken it. The burnishing-tool D is then held against the outer edge a^3 of barrel, which is allowed to project above the wall of the cavity. This has the effect of turning the edge a^3 and forming the inner horizontal flange b . The article is now completed from the same piece of gold as that of which the blank A is made, while by the ordinary means now known to the public this flange b is a separate piece attached by solder.

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

1. The mandrel having cavity c and ledge c' , combined with a burnisher, as and for the purpose described.

2. The method of forming the flange b on base B, substantially as described.

SHUBAEL COTTLE.

Witnesses:

JAMES T. GRAHAM,
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