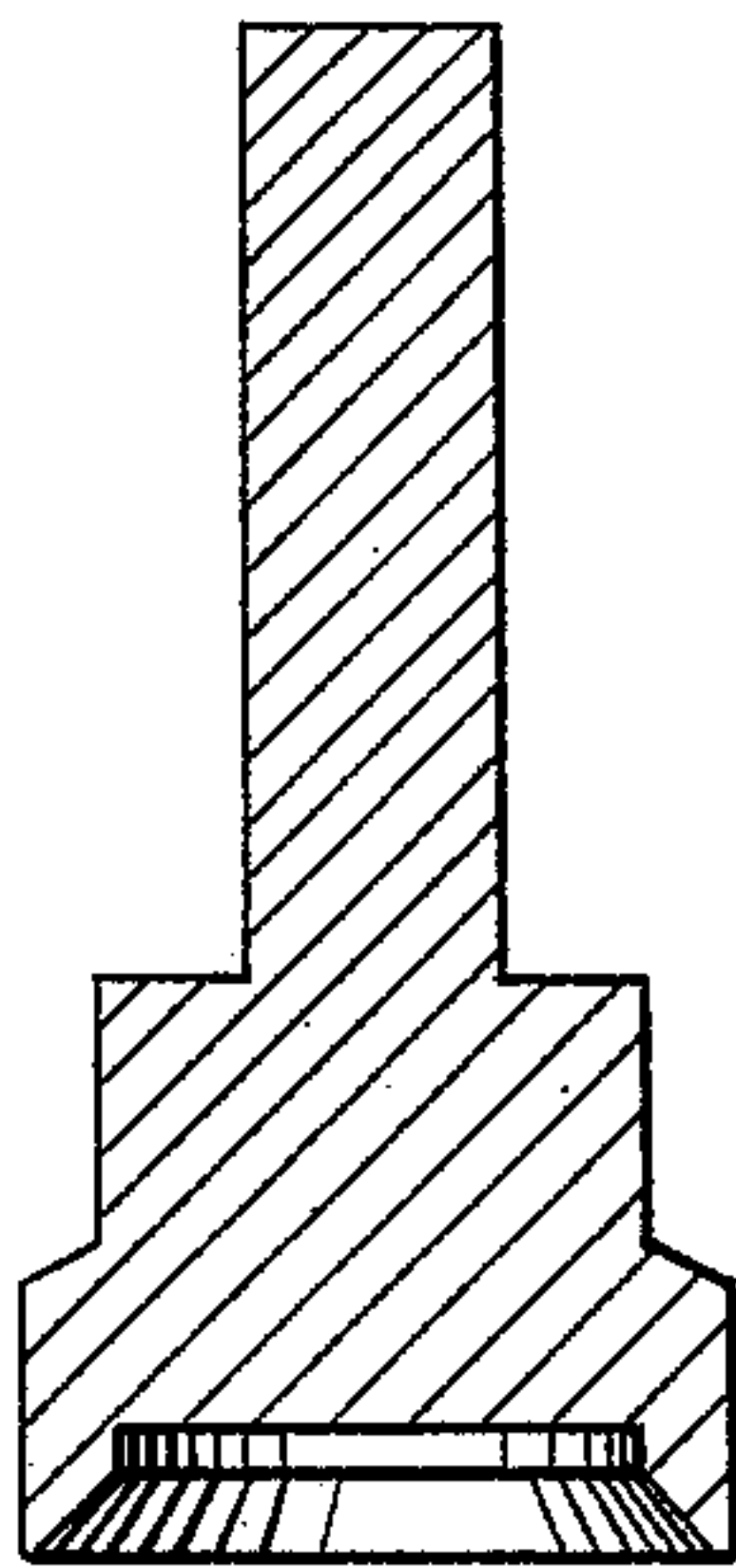
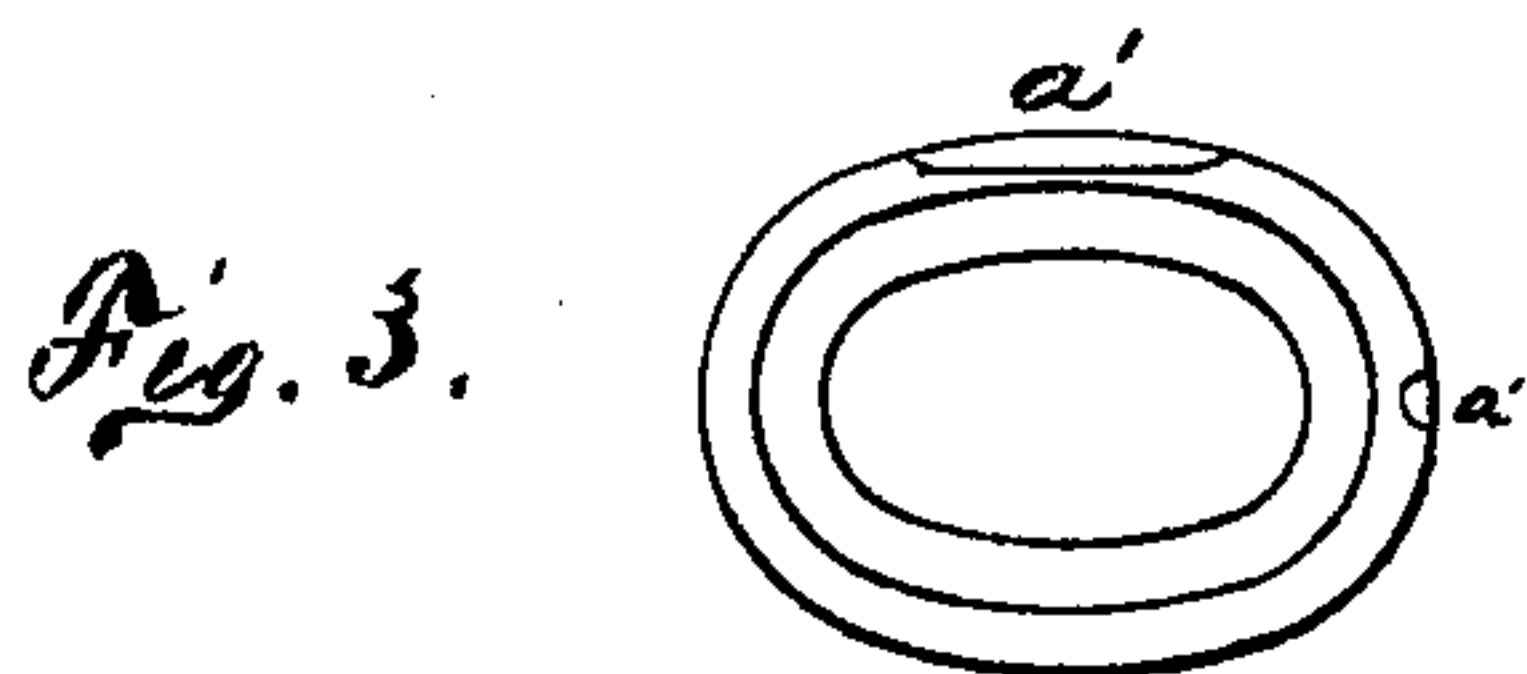


D. P. FITZGERALD.

LOCKET BEZEL.

No. 176,289.

Patented April 18, 1876.



Witnesses.

A. D. Wagner

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UNITED STATES PATENT OFFICE.

DANIEL P. FITZGERALD, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN LOCKET-BEZELS.

Specification forming part of Letters Patent No. **176,289**, dated April 18, 1876; application filed February 3, 1876.

To all whom it may concern:

Be it known that I, DANIEL P. FITZGERALD, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in the Manufacture of Jewelry; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates more particularly to certain improvements in the manufacture of hollow "bezel" or settings for lockets, sleeve-buttons, and the like, whereby a saving is effected both of stock and labor, and a neater and better article produced.

The accompanying drawing illustrates the nature and character of my invention, in which—

Figures 1, 2, 3, 4, and 5 represent the various stages in the process of manufacturing my improved settings, &c.; and Fig. 6, one of the tools used therefor, all of which will be hereinafter more fully set forth and described.

Similar letters of reference indicate corresponding parts in the several figures.

In carrying out my invention a blank is first cut from the sheet metal and "belched" or punched up in the ordinary manner, in the form shown in Fig. 1, the central portion *a* being cut out and removed, leaving a margin, *c*, which is bent inward to form a flange, either straight, as in Fig. 5, or with a second flange, as in Fig. 2, to form a seat or bearing for the stone or gem, and also a place to hold the glass bezel.

If the settings are to be used for lockets, indentations *a'* are then made in the edge or

flat of the bezel or setting, as shown in Fig. 3, in which a hinge-joint and ring are afterward soldered, thereby saving the metal and labor usually required in putting pieces or bearings inside. The place for a snap can also be cut at the same time, or afterward, as may be preferred.

Of course, if the settings are to be used for sleeve-buttons the indentations for the joint and snap, &c., are not required. The outer edge is then trued up to a proper and uniform width, and thrown inward, as required, substantially as shown and indicated in Fig. 4, one or more operations being required as well as punches, as indicated in Fig. 6, of varying tapers or angles, according to the bevel or angle given to the outside of the bezel or setting, as indicated at *e* in Fig. 4. The stones or gems are then set in the ordinary manner.

The process is applicable to round, oval, or other forms, and has the advantage of saving stock and labor, the bezel or setting being hollow, and formed from a single piece of metal, as indicated in Figs. 2, 4, and 5, and without being soldered together.

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

A bezel for lockets, &c., consisting of a single piece of metal bent to form two flanges, one for the support of the stone, and the other for overlapping and securing the stone, substantially as set forth.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

DANIEL P. FITZGERALD.

Witnesses:

OLIVER DRAKE,
J. C. TUNBRIDGE.