

No. 767,687.

PATENTED AUG. 16, 1904.

J. C. & J. A. DORAN.
JEWELRY COMPONENT.

APPLICATION FILED MAY 3, 1904.

NO MODEL.

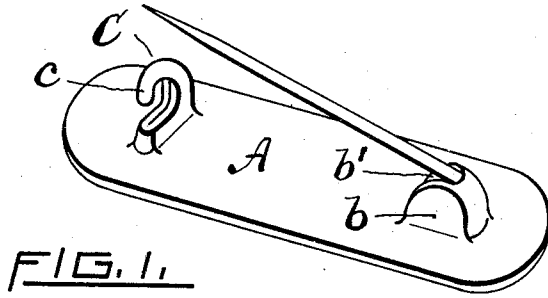


FIG. 1.

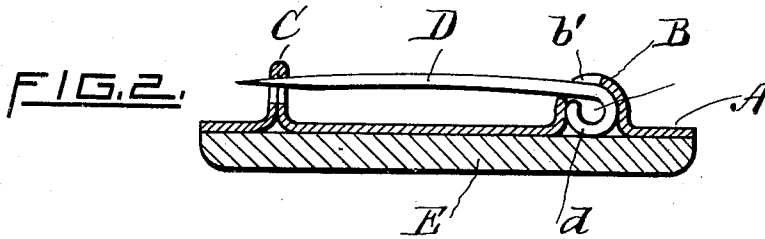


FIG. 2.

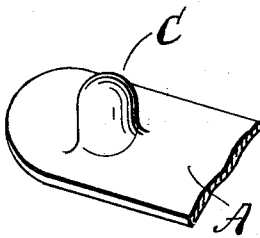


FIG. 3.

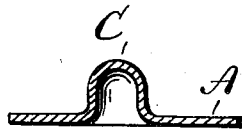


FIG. 4.

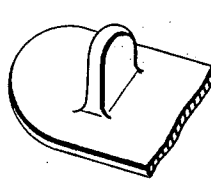


FIG. 5.



FIG. 6.

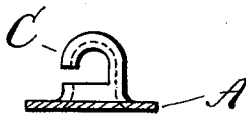


FIG. 7.

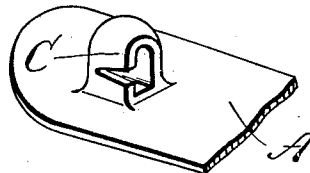


FIG. 8.

WITNESSES.

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UNITED STATES PATENT OFFICE.

JAMES C. DORAN AND JAMES A. DORAN, OF PAWTUCKET, RHODE ISLAND.

JEWELRY COMPONENT.

SPECIFICATION forming part of Letters Patent No. 767,687, dated August 16, 1904.

Application filed May 3, 1904. Serial No. 206,108. (No model.)

To all whom it may concern:

Be it known that we, JAMES C. DORAN and JAMES A. DORAN, both citizens of the United States, residing at Pawtucket, in the county of Providence and State of Rhode Island, have invented a certain new and useful Improvement in Jewelry Components, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to that class of jewelry components which are applicable to and form a part of brooches, breastpins, and similar articles.

It is the universal custom of jewelers to purchase their pin tongues and joints and apply the same to whatever ornamental body they desire. A minimum of pieces to be applied, therefore, is a desideratum because of the time and expense saved thereby. Furthermore, the use of structures involving pintles and their equivalents besides increasing expense of manufacture are unsatisfactory because of the weakness of the parts occasioned by the bearing-perforations.

To the end of obviating the above defects and attaining the enumerated advantages, our invention consists in the novel construction and combination of parts hereinafter described, and illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of our new component; Fig. 2, a central longitudinal section of the same applied to a base or body; Fig. 3, a perspective view of the tubular foundation of the catch; Fig. 4, a central longitudinal section of the same; Fig. 5, a perspective of the same after the flattening operation; Fig. 6, a central longitudinal section of the same; Fig. 7, an end elevation of the completed catch, and Fig. 8 a perspective of a modified form of catch.

Similar reference-letters indicate like parts throughout the views.

Our improved component comprises a back plate A, of sheet metal, provided with an integral hemispherical recess B, having upright parallel side walls *b* and an oblong segmental opening or slot *b'* intermediate the walls.

The catch is formed by punching a tubular projection C in the plate A, as shown in Figs. 3 and 4. This projection is then flattened to the form shown in Figs. 5 and 6. The flattened tube is next transversely cut by suitable dies into a hook form *c*, which completes the catch member.

A modified form of our catch is shown in Fig. 8, which is formed from the tubular projection C and is flattened somewhat by suitable dies, having a portion of one of its narrowest sides removed and provided also with an adjacent horizontal opening to allow ingress of the pin-tongue point.

Mounted in the housing B and contacting with the side walls thereof is the head *d* of the pin-tongue D. While the head is illustrated herein with a transverse opening, the latter is not necessary, as an imperforate head may be used, it being only essential that the head be not spherical and provided the head be not smaller than the slot *b'*.

Our component is utilized by fixing the plate A in any suitable manner to the ornamental body or face-plate E, which forms a bearing for the lower portion of the head *d*.

It will be further noted concerning our invention that the existence of the slot *b'* in the forward upper portion of the housing B affords a bearing not only for the downward travel of the pin-tongue D, but also, as regards its interior margin, for the head of the pin-tongue *d*.

Having described our invention, what we claim is—

1. In a device of the character described, the combination with a face-plate of a back plate fixed thereto and having integral therewith a hemispherical recess with flattened sides, and having a segmental slot.

2. In a device of the character described, the combination with a face-plate of a back plate fixed thereto and having integral therewith a hemispherical recess with flattened sides, and having a segmental slot and a pin-tongue provided with a flat circular head mounted in the recess and bearing upon the flattened sides thereof and supported therein by the face-plate.

3. In a device of the character described,
the combination with a face-plate of a back
plate fixed thereto and having integral there-
with a hemispherical recess with flattened
5 sides and having a segmental slot, and a pin-
tongue provided with a flat circular head
mounted in the recess and bearing upon the
flattened sides thereof.

In testimony whereof we have affixed our
signatures in presence of two witnesses.

JAMES C. DORAN.
JAMES A. DORAN.

Witnesses:

HORATIO E. BELLOWS,
WILLIAM E. BROWN.