A. M. ENGLISH & W. W. COVELL.

MANUFACTURE OF PLATED JEWELRY.

No. 191,665. Patented June 5, 1877.

Fig. 1.

Fig 2.

WITNESSES

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ANALDO M. ENGLISH AND WILLIAM W. COVELL, OF PROVIDENCE, R. I.

IMPROVEMENT IN THE MANUFACTURE OF PLATED JEWELRY.

Specification forming part of Letters Patent No. **191,665**, dated June 5, 1877; application filed April 14, 1877.

To all whom it may concern:

Be it known that we, ANALDO M. ENGLISH and WILLIAM W. COVELL, of Providence, in the county of Providence and State of Rhode Island, have invented a new and valuable Improvement in Plated or Soft-Solder Jewelry; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top view of our invention, and Fig. 2 is a longitudinal sectional view thereof.

Our invention has relation to improvements in that class of jewelry known to the trade as "soft-solder goods."

It has long been an object in this class of jewelry to provide means whereby its outlines would be made to present that clearness and airiness of construction possessed in so marked a degree by the "shell-gold" class, in which the rim or bezel is usually soldered to a flat plate that forms the front or face of the work, and upon which the various processes of ornamentation and finishing are carried out without forming indentations or other disfigurations upon the under side of said plate, thus leaving an even clean finish upon this side aforesaid.

In the manufacture of soft-solder goods, wherein "chasing" takes the place of engraving in ornamenting the front plate, it has heretofore been usual, in order to facilitate this operation, to fill the front or face with soft solder, to remove which is both difficult and, from the time required in so doing, inexpedient. Hence it becomes necessary to cover up the soldered surface, which is accomplished by making the work in two parts—the front and back plates—which are joined along their edges, thus completely covering up the baser metal, but at the same time causing the metal to prevent a certain clumsy, cumbrous appearance, which militates against its sale and general use, and which it is therefore very desirable to avoid.

To attain this very desirable result we have devised the following construction, a breast-pin being used as an illustration of our invention:

The back plate A, which is usually and preferably of some base metal, is provided with a flange, *a*, at right angles to it, while the ornamented face-plate B may be of equal or greater dimensions than plate A, so that, when brought together the one upon the other, there may be a projecting edge, *c*, extending completely around it.

C represents a rim, or "bezel," as it is technically called in the trade, which is rigidly secured to face-plate A, and is provided with the flange *d*, projecting inward, as shown in Fig. 2, and overlying the flange *a* of the back-plate.

Usually the said rim will be inclined inward, and its outer surface will be at a bevel or acute angle with the face-plate. This latter being ornamented, by chasing or otherwise, previously to being attached to the back-plate, and being usually a plane surface, the solder may be readily and expeditiously removed, and it will lie snugly upon the back-plate, causing the whole pin to present an elegant light appearance.

In practice the rim or bezel is united to the back and face plates by soldering, the space between the flange *a* and the rim being completely filled up.

By this means the pin is made to present an appearance equal, in an artistic point of view, to the best shell-gold goods of the same description, and it is materially strengthened and rendered more durable.

What we claim as new, and desire to secure by Letters Patent, is—

In combination with the jewelry back-plate A, having a flange, *a*, the ornamental or face plate B, the rim or bezel C, having an inwardly-projecting flange, *d*, overlying the flange *a* of the back-plate, substantially as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

ANALDO M. ENGLISH.
WILLIAM W. COVELL.

Witnesses:
STEPHEN ESSEX,
D. W. KIMBALL.