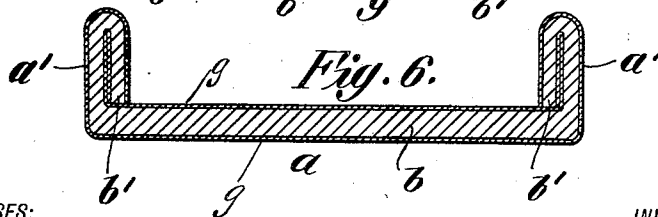
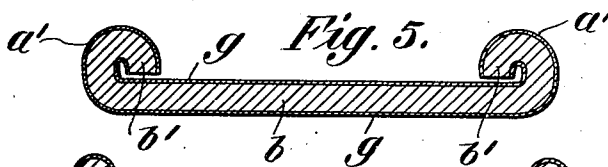
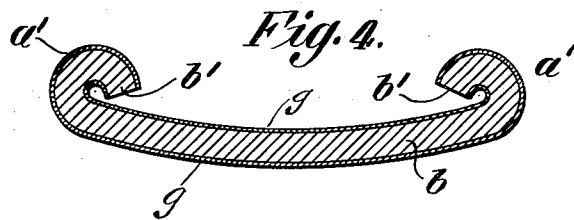
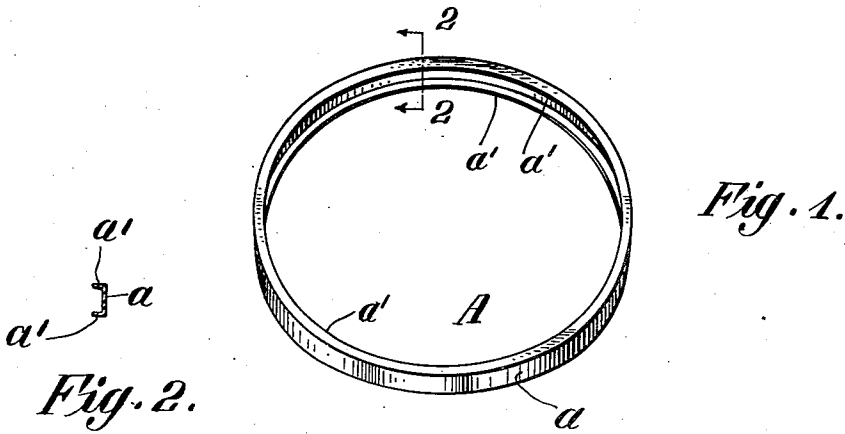


J. J. SOMMER.
 MANUFACTURE OF BRACELETS AND OTHER ARTICLES OF JEWELRY.
 APPLICATION FILED OCT. 4, 1915.

1,189,882.

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WITNESSES:

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JOHN J. SOMMER, OF NORTH ATTLEBORO, MASSACHUSETTS.

MANUFACTURE OF BRACELETS AND OTHER ARTICLES OF JEWELRY.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN J. SOMMER, a citizen of the United States, and a resident of North Attleboro, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in the Manufacture of Bracelets and other Articles of Jewelry, of which the following is a specification.

My invention relates to the formation of bracelets &c., from double rolled gold plate stock, *i. e.*, flat platers metal coated on both sides with a relatively thin layer of gold.

The object of the invention is to isolate, conceal and protect the baser metal at the edges of the blank of rolled gold plate stock used in the formation of a bracelet or other article of jewelry as hereinafter set forth, so as to prevent tarnishing and deterioration, and present a continuous uniform gold surface throughout, thereby attaining and affording the appearance and effect of a solid gold structure throughout.

In the accompanying drawings, Figure 1, is a perspective view of a bracelet made in accordance with my invention; Fig. 2, a transverse section thereof; Fig. 3, a cross section greatly enlarged of a strip of double rolled gold plate stock constituting a blank from which a bracelet or other article of jewelry is to be formed in accordance with my invention; Figs. 4, 5, and 6, are similar cross sections of the blank illustrating the inturning of the longitudinal edges thereof so as to seal the baser metal.

In the aforesaid drawings A, represents a one piece bracelet formed in accordance with my invention, the same being angular in cross section as shown in Fig. 2,—*a*, being the medial body and *a'*, *a'*, the inturned flanges.

By preference the cylindrical surface constitutes the exterior face or periphery of the bracelet, or other article of jewelry formed from the blank, so that the structure is essentially hollow and open at the back, although the arrangement might be reversed if desired, with the flanges *a'*, *a'*, protruding externally to show a hollow external finish. Likewise the bracelet A, or other article might be made in two or more parts or divisions of the angular structure shown in Figs. 1, and 2, hinged or otherwise secured together by means well known in the art, so that I do not limit myself in this respect,

the essential feature of my invention consisting in the inturning of the edges *a'*, *a'*, in such manner as to effectually isolate, conceal and protect the otherwise exposed edges *b'*, *b'*, of the baser platers metal *b*, as shown in Fig. 6,—in which, as well as in the three preceding figures the parts are greatly enlarged for convenience of illustration,—*g*, *g*, representing the relatively thin coating of gold on each face of the baser metal *b*.

The swaging or rolling over of the longitudinal edges *a'*, *a'*, of the blank may be effected more or less gradually by means well known in the art, as may be found most expedient, the sealing of the edges *b'*, *b'*, directly against the opposed gold surface being the object to be attained. Thus in Fig. 4, the edges *a'*, *a'*, are shown as turned inward on a gentle curve while in Fig. 5, the inturn is more nearly completed, and in Fig. 6, the inturn is closed and finished and the seal of the edges *b'*, of the platers metal *b*, rendered absolute and positive. Preferably the inturned flanges *a'*, *a'*, are essentially rectangular to the body *a*, as shown, although obviously not necessarily provided the sealing of the ends *b'*, *b'*, of baser metal is effected as set forth.

The bracelet or other article thus formed with the inturned sealed edges, is, to all intents and purposes, as long as the gold coating lasts, the equivalent in appearance and utility of a solid gold structure of like character and shape. Furthermore the sealed inturned flanges *a'*, *a'*, stiffen and reinforce the structure laterally and longitudinally so that comparatively light stock can be safely used, combining strength with gracefulness and delicacy of appearance,—an effect still further enhanced by the open, channel-like formation of one side of the article.

What I claim as my invention and desire to secure by Letters Patent is,

As an improved article of manufacture, a one-piece structure composed of a strip of metal with a coating of gold on each face thereof, the longitudinal edges thereof being inturned and sealed directly against the gold surface.

JOHN J. SOMMER.

Witnesses:

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