E. E. BARROWS.

Bracelets.

No. 150,741. Patented May 12, 1874.

Fig. 1.

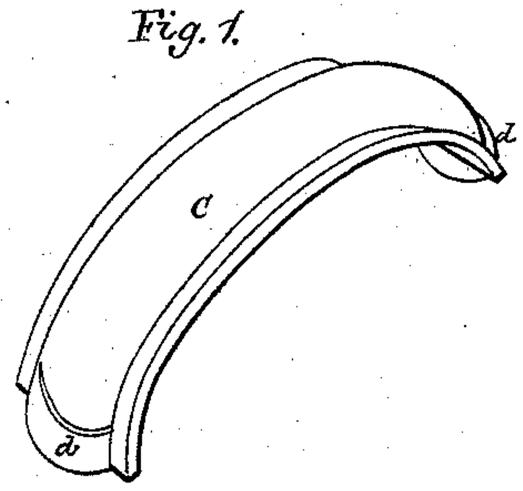


Fig. 2.

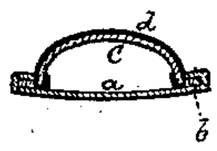
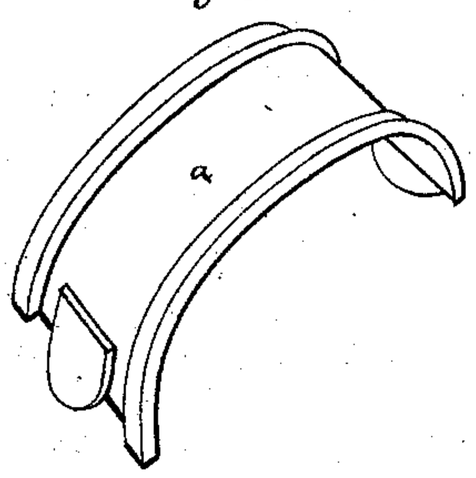


Fig 4.

Fig. 3.



WITNESSES.

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EDWARD E. BARROWS, OF ATTLEBOROUGH, MASSACHUSETTS.

IMPROVEMENT IN BRACELETS.

Specification forming part of Letters Patent No. **150,741**, dated May 12, 1874; application filed March 23, 1874.

To all whom it may concern:

Be it known that I, EDWARD E. BARROWS, of Attleborough, Bristol county, Massachusetts, have invented an Improved Manufacture of Bracelets, of which the following is a specification:

This invention relates to a class of bracelets for the wrist composed of an inner band or base and an outer covering or body more or less ornate in its character; and such invention consists in the construction of the base, as hereinafter explained, whereby great strength and rigidity are obtained, and a desirable and ornamental finish acquired.

The drawings accompanying this specification represent, in Figure 1, a perspective view of one-half of a bracelet embodying my improvements. Fig. 2 is a cross-section of the same, and Fig. 3 a perspective view of the inner band or base upon which my improvement is founded.

In carrying my invention into practice I obtain a flat band or plate, *a*, of ductile sheet metal, and I turn each edge of this band inward upon a narrow strip, *b*, of a stiffer or less ductile metal, the ends of the three being flush. I then bend or form the band *a*, thus re-enforced and stiffened, into the desired longitudinal curvature to adapt it to the wearer's wrist. I next provide a second plate of thin metal of a width somewhat greater than that of the completed band *a*, and I form this second band into a double convexity—that is to say, I bend it longitudinally to correspond to the curvature of the band *a*—and I form it crowning transversely in order to present a prominent and attractive appearance. The second plate thus formed is japanned or otherwise ornamented and inserted between the re-enforced edges of the base *a*, and is confined to the latter by a small quantity of solder at two or more invisible points. In some instances, but not necessarily always, I add to each half of a bracelet thus made a short ribbon or plate, *d*, of a thin metal, this additional plate being electroplated or otherwise ornamented, and serving to conceal the end of the outer band *c*, and otherwise to add to the appearance of the bracelet.

I have striven to obtain three results by my construction of the back or base *a:* First, to obtain a sharp corner upon each of its raised edges which the outer band or body *c* shall meet, without leaving a space between the two, and thus obtain a neat and highly-finished appearance; and second, to add very greatly to the strength and stiffness of the bracelet; third, employing an internal strip of solid metal, about which to bend the edges of the base *a*, I am enabled to obtain a much thicker edge, as well as a broad flat surface, and to reduce the corners of this edge to a sharper angle than can be done with a single thickness of metal, and both of these results are of great importance in bracelets of this character. The plate or sheet *a* may, if necessary or desirable, be bent entirely about the stiffening-strip *b*, as shown in Fig. 4 of the drawings, which is a section of such sheet and strip. This construction would add somewhat to the cost, but in some respects might possess a slight advantage.

I claim—

A bracelet composed of the outer covering *c*, base lining *a*, and flange-re-enforcing strips *b*, constructed and arranged substantially as described and shown.

EDWARD E. BARROWS.

Witnesses:

BENJ. FRANKLIN,

E. I. FRANKLIN.