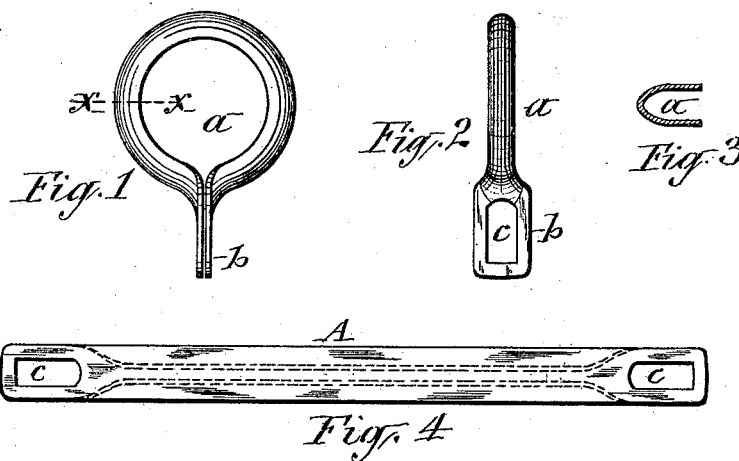


(No Model.)

H. E. KELLEY.  
METALLIC RING.

No. 423,260.

Patented Mar. 11, 1890.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HARRY E. KELLEY, OF NIAGARA FALLS, ASSIGNOR TO THE ONEIDA COMMUNITY, (LIMITED,) OF KENWOOD, NEW YORK.

## METALLIC RING.

SPECIFICATION forming part of Letters Patent No. 423,260, dated March 11, 1890.

Application filed December 9, 1889. Serial No. 333,041. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY E. KELLEY, of Niagara Falls, in the county of Niagara, in the State of New York, have invented new and useful Improvements in Metallic Rings, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention consists, essentially, of a metallic ring formed in one piece of a band of wrought metal crimped transversely in its main portion and bent longitudinally into the shape of a ring or loop, and terminating with attaching-shanks extending from the exterior of said ring, as hereinafter fully described, and specifically set forth in the claims.

In the annexed drawings, Figure 1 is a plan view of a ring embodying my invention as constructed with the view of connecting said ring to a chain. Fig. 2 is an edge view of said ring. Fig. 3 is a transverse section on line *x x*, Fig. 1, and Fig. 4 is a plan view of the blank from which the ring is formed, the dotted lines indicating its shape after it has been crimped transversely.

Similar letters of reference indicate corresponding parts.

*a* represents the ring or loop, which may be either circular, as shown, or oval, if desired, and has an attaching-shank *b* extending from the exterior thereof. Said ring and its shank I form in one piece of a blank *A*, of the form of a wrought-metal band cut from a thin flat bar or stamped out of a sheet of steel or iron or other suitable metal. The central or main portion of this blank I crimp transversely, as indicated by dotted lines in Fig. 4 of the drawings, so as to impart to said portion of the blank a concavo-convex or *U* shape in cross-section, as shown in Fig. 3 of the drawing. The end portions of the blank are left flat, and are perforated, as shown at *c c* in Figs.

2 and 4 of the drawings, for the attachment of a chain or strap. After the central or main portion of the blank has been crimped, as aforesaid, I bend the same longitudinally into the shape of the loop or ring *a* and bend the end portions outward, so as to cause them to lie with their flat sides contiguously to each other and radially outward from the ring, and with the perforations *c c* coinciding, as shown in Figs. 1 and 2 of the drawings, and thus the ring *a* is provided with a double attaching shank or link.

Inasmuch as the ring is materially strengthened by its transverse crimp, it is obvious that said ring, with its attaching-shank, may be formed of thin metal.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As an improved article of manufacture, a metallic ring composed of a band of wrought metal crimped transversely in its main portion and bent longitudinally into ring or loop shape and terminating with radial external flat extensions, all formed in one piece, as set forth.

2. A metallic ring composed of a band of wrought metal crimped transversely through its main portion and terminating with flat ends and bent longitudinally into ring or loop-shape, and having its ends lying with their flat sides contiguously to each other and extending outward from the ring and provided with coinciding perforations, substantially as described and shown.

In testimony whereof I have hereunto signed my name this 2d day of December, 1889.

HARRY E. KELLEY. [L. s.]

Witnesses:

F. WAYLAND SMITH,  
FRED I. PIERCE.