June 23, 1925. 1,543,644

A. HADLEY

METHOD OF MAKING BUCKLE FRAMES

Filed Oct. 9, 1924

Fig. 1.

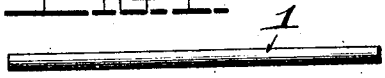


Fig. 2.

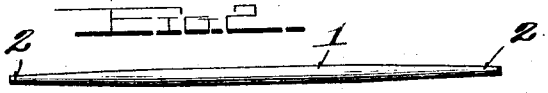


Fig. 3.

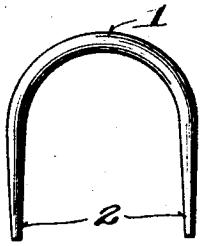


Fig. 4.

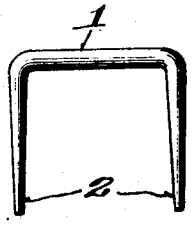


Fig. 5.

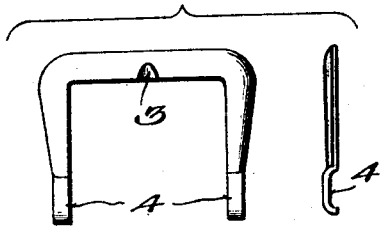
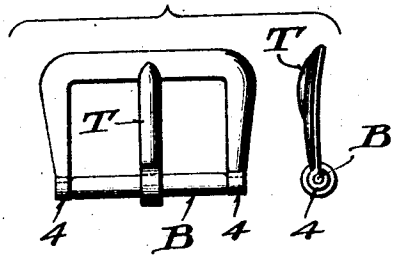


Fig. 6.



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UNITED STATES PATENT OFFICE.

ART HADLEY, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO THE HADLEY COMPANY, OF PROVIDENCE, RHODE ISLAND.

METHOD OF MAKING BUCKLE FRAMES.

Application filed October 9, 1924. Serial No. 742,534.

To all whom it may concern:

Be it known that I, ART HADLEY, a subject of Great Britain, residing at Providence, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in Methods of Making Buckle Frames, of which the following is a specification.

This invention relates to certain new and useful improvements in buckle frames and method of making and the primary object of the invention is to provide a buckle frame which can be produced from plated or other stock so as to effect exposure of the precious metal covering throughout the exposed parts of the buckle frame.

A further object of the invention is to provide a method of making buckle frames which can be easily and quickly practised.

A still further object of the invention is to provide a buckle frame which can be made of a piece of wire stock.

Further and other objects will be later herein set forth and manifested in the course of the following description.

In the drawings:—

Figure 1 is a plan view of the blank or wire stock from which the frame is produced;

Figure 2 is a similar view showing blank in the first step of the method;

Figure 3 is a side elevation showing the blank in the second step of the method.

Figure 4 is a side elevation showing the blank in the third step of the method;

Figure 5 shows a side and end elevation respectively of the blank in its completed state and ready to receive the cross bar of the buckle tongue, and

Figure 6 shows similar elevations of the assembled and completed buckle.

In proceeding in accordance with the present invention, a piece of plated or other stock 1 is employed, the stock being preferably wire. The stock may be other than wire and may be of solid gold or silver or may be plated or otherwise covered with the desired precious metal.

The wire is first tapered at its ends at 2, which also increases the length of the stock and is then bent into U-form as depicted in Figure 3, following which it is shaped as shown in Figure 4, so as to provide approximately sharp right angular corners. The blank is now flattened on one side and rounded or curved on its opposite side by means of dies and at the same time to form seat 3 to receive the free end of the tongue T and U-shaped ends 4 for the cross-bar B, which latter carries the tongue.

It will thus be apparent that the flattening and curving results not only in the desired shaping of the buckle frame but also in the provision of the ends or eye-forming parts 4 of reduced and equal thicknesses so as to render same easily bendable. The assembly of the structure requires but the placement of the ends of cross bar B into the parts 4 and the subsequent curling of the latter to form eyes that provide journals for supporting the cross-bar B.

From the foregoing it will also be seen that all of the precious metal covering or all of the surface of the latter is exposed so that the entire exposed surface or parts of the frame are covered with the precious metal.

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

1. The herein described method of making buckle frames which consists in taking a piece of wire, tapering the ends thereof, then bending the wire into U-shape, then in squaring the bends of the wire to sharpen the angles of the corners thereof, then in flattening and shaping the wire by subjecting the opposite side faces thereof to pressure and at the same time forming U-shaped ends of reduced and equal thickness so as to provide readily bendable parts which can be bent to form eyes to receive the ends of the tongue carrying cross-bar of the buckle.

2. The herein described method of making buckle frames which consists in taking a piece of wire, tapering the ends thereof, then bending the wire into the outline of that of the finished frame, and then in flattening the wire and forming ends which latter are capable of being bent to form eyes for receiving the ends of the tongue carrying cross-bar of the buckle.

3. The herein described method of making buckle frames out of rod-like stock, which consists in taking a piece of the stock and tapering the ends thereof, then in shaping

the stock into the outline of that of the finished frame, and then in shaping the stock into the desired cross-sectional configuration and forming ends capable of being shaped to form eyes for receiving the ends of the tongue carrying cross-bar of the buckle.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ART HADLEY.

Witnesses:
S. N. McCLARENCE,
J. A. MILLER.