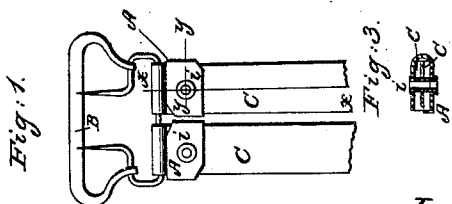
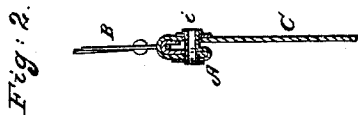
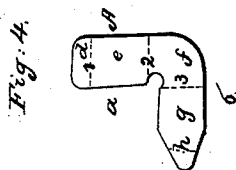


H. H. MANSFIELD.

Metallic Fastening for Buckles and Straps.

No. 58,657.

Patented Oct. 9, 1866.



Witnesses:

Wm. B. Livingston
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UNITED STATES PATENT OFFICE.

H. H. MANSFIELD, OF SOUTH CANTON, MASSACHUSETTS.

IMPROVEMENT IN METALLIC FASTENINGS FOR BUCKLES AND STRAPS.

Specification forming part of Letters Patent No. 58,657, dated October 9, 1866.

To all whom it may concern:

Be it known that I, H. H. MANSFIELD, of South Canton, Norfolk county, and State of Massachusetts, have invented a new and Improved Metallic Bushing and Fastening for Buckles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a front view of a buckle, to which two straps or webs are shown attached by means of my improved metallic bushing. Fig. 2 represents a vertical cross-section taken on a plane indicated by the line *x x*, Fig. 1. Fig. 3 represents a horizontal section taken on a plane indicated by the line *y y*, Fig. 1. Fig. 4 represents a front view of the bushing before it is applied to the buckle.

Similar letters of reference indicate like parts.

The object of this invention is to provide a simple and cheap article by which woven or leather straps may be securely attached to the loop part of a buckle, so that the end of the said strap will be well protected and prevented from raveling, and that part of the strap which is bent over the loop of the buckle will not wear; and my improvement consists in constructing a sheet-metal plate in such a manner that it may be bent over the ends and around the edges of the above-mentioned strap, and also around the loop of the buckle, and finally be fastened to the strap by means of eyelets, thus acting as a bushing to the strap and preventing it from being destroyed by the wearing on the loop of the buckle.

Heretofore woven or leather straps were mostly bent over the loop of the buckle and their end secured to their main body by sewing it on, and the strain brought to bear against that portion of the strap which encircles the loop soon caused it to be worn through and to become useless, as also did the insufficient protection against raveling, all of which objections are completely overcome by my invention.

The plate A, which is shown in Fig. 4, consisting of thin flexible sheet metal, is made in the shape of two arms, *a* and *b*, meeting at right angles, all of its corners being rounded off. When applied to the buckle B it is bent over the loop of the buckle, as shown in Fig.

2. The dotted line 1 in Fig. 4 indicates where it is bent for the first time. The strap *c* is now laid over the plate, as shown in Fig. 2, its end hanging over the main body of the plate and reaching to the line 2, Fig. 4. The lower arm, *b*, of the plate is then turned up, as indicated in Fig. 2, and on the line 2, thus protecting the end of the strap *c*, and then bent again around both thicknesses of the strap, as shown in Fig. 3 and indicated by the dotted line 3. The last end, *h*, of the plate is then bent around the main strap and concealed between the same and the first bend of the plate, when the eyelet *i* fastens the strap *c* and its end to the different bends or portions of the plate A, encircling and dividing said strap and its end.

It will be seen that by this method the plate A is divided into five parts, *d*, *e*, *f*, *g*, and *h*. The part *d* encircles the loop of the buckle, and may be made long enough, if desired, to be also held by the eyelet; but I do not consider it necessary. The portion *e* divides the end of the strap *c* from its main body, and, with the part *f*, protects said end from raveling. The part *f* protects the outside of the end of the strap, while *g* covers the upper part of the main strap, *h* being only long enough to prevent the end of the plate from hanging outside.

It will thus be seen that three thicknesses of the plate and two of the strap are held by the eyelet, the strap being protected on all sides by the plate. That portion of the plate which encircles the loop of the buckle takes away all the wear (generally considerable on that place) from the strap. The whole being secured by the eyelets makes it a very simple and cheap means of attachment.

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

1. The metallic plate or bushing A, constructed substantially as and for the purpose herein set forth and described.

2. The manner of attaching the strap *c* to the buckle B, substantially as herein set forth and described.

The above specification of my invention signed by me this 21st day of June, 1866.

H. H. MANSFIELD.

Witnesses:

WM. F. MCNAMARA,
ALEX. F. ROBERTS.