

D. BAINBRIDGE.
Button-Fasteners.

No. 228,298.

Patented June 1, 1880.

FIG. 1.

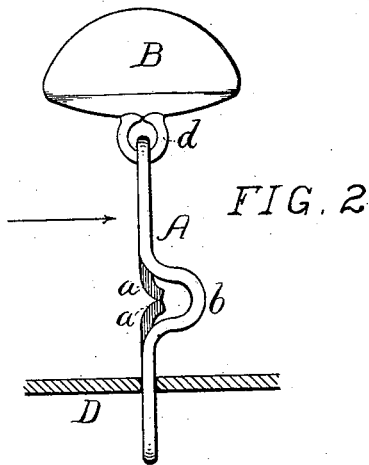
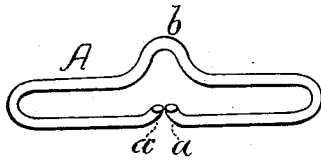


FIG. 3.

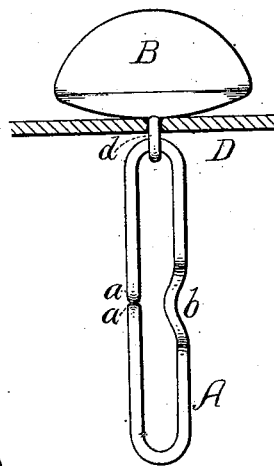


FIG. 4.

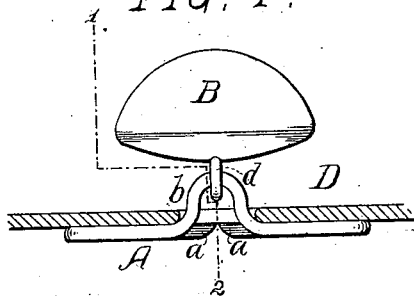
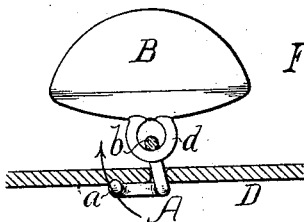


FIG. 5.



Witnesses

McQuinner
Henry Cowson Jr.

Inventor
David Bainbridge
by his attorneys
Howden and Son

UNITED STATES PATENT OFFICE.

DAVID BAINBRIDGE, OF PHILADELPHIA, PENNSYLVANIA.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 228,298, dated June 1, 1880.

Application filed February 24, 1880.

To all whom it may concern:

Be it known that I, DAVID BAINBRIDGE, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented an Improvement in Button-Fasteners, of which the following is a specification.

My invention relates to an improvement in links for securing buttons to boots, shoes, and other articles of apparel, the object of my invention being to insure the maintenance of the link in close contact with the leather or fabric, and to prevent said link from tearing the clothing of the person wearing the article to which the link is applied.

In the accompanying drawings, Figure 1 is a perspective view of my improved button-fastening device; Fig. 2, an edge view of the same attached to a button, and showing the manner of passing the fastener through a hole in leather or any fabric in adjusting the button to the same; Fig. 3, a view of the device looking in the direction of the arrow, Fig. 2, and showing the fastener after it has been passed through the leather or fabric; Fig. 4, the device as it appears when the button is fastened in its place, and Fig. 5 a section on the line 1 2, Fig. 4.

The fastener consists of an elongated link, A, made of one piece of wire, the ends *a a* of which where they meet each other are bent abruptly, as best observed in Figs. 1 and 2, for a purpose rendered apparent hereinafter.

One side of the link opposite the bent ends *a a* of the wire is bent so as to form a loop, *b*, adapted to the eye of the shank *d* of the button B, the loop being preferably bent at the angle shown in Fig. 5 in respect to the face of the link.

The shank of the button is first coupled to the link—an operation which is facilitated by the bending of the ends *a a*—and the link attached to the button, as shown in Fig. 2, is passed through an opening which has been made in the leather or fabric D, the opening being large enough to permit the loop *b* of the link to be pushed through it by a slight effort.

After the link has been passed through the leather or fabric, as shown in Fig. 3, it is moved to such a position that the loop will coincide with the shank of the button, and the link is then adjusted flatwise to the under side of the leather or fabric, as shown in Fig. 4, the button being at the same time pulled

outward, so that the loop *b* of the link will project through the opening in the leather or fabric, the said opening being expanded to accommodate the loop during this outward pulling of the button.

The wire fastening should be such that when in place there shall be no projections to catch against the clothing of the wearer of the articles of apparel to which buttons are secured by the fastening, hence the turned-up ends *a a*, which bear against and penetrate the under side of the leather or fabric D, so that, in the case of a boot or shoe, the said ends of the wire cannot tear the wearer's stocking.

As before remarked, the loop *b* is preferably bent at about the angle shown in respect to the face of the link. The object of this arrangement is to insure the snug bearing of the link flatwise against the under side of the leather or fabric and the penetration of the same by the turned-up ends *a a* of the link, the outward pulling of the button tending to force the link upward in the direction of the arrow.

It will be seen that buttons can be much more readily attached to boots and shoes and other garments by the wearers by the above-described device than by many of the fastenings which are now used, and which demand tedious manipulation, even at the hands of those who have had more or less experience with them.

I claim as my invention—

1. The within-described button-fastener, the same consisting of a link, A, one of the side bars of which is bent so as to form a loop, *b*, projecting above one of the flat faces of the link, and inclined toward the center of the link, as set forth.

2. The within-described button-fastener, the same consisting of a link, A, having a loop, *b*, projecting above one face of the same, and upturned ends *a a*, also projecting above said face, as set forth.

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

DAVID BAINBRIDGE.

Witnesses:

JAMES F. TOBIN,
HARRY SMITH.