(No Model.)

L. S. MARKS.

BUTTON FASTENER.

No. 302,270. Patented July 22, 1884.

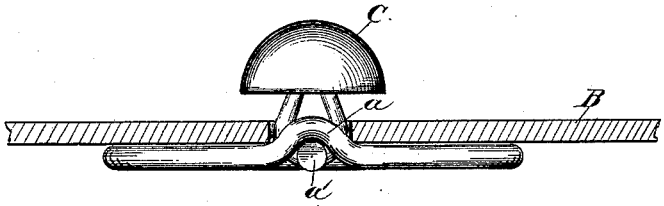

Fig. 1.

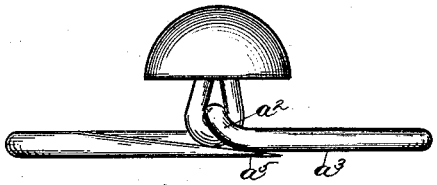

Fig. 2.

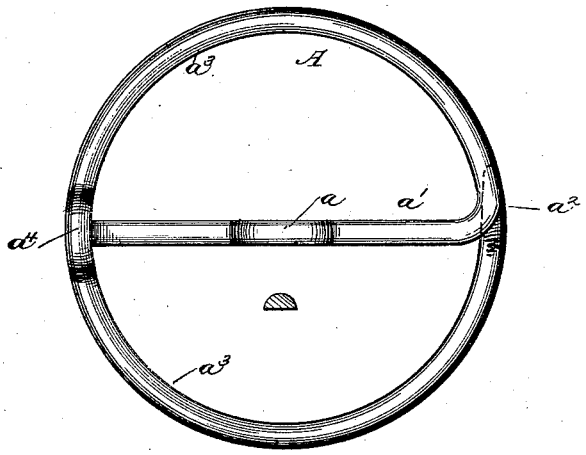

Fig. 3.

Witnesses;
Wm. Durall
T. L. Tracker.

Inventor;
L. S. Marks
by E. B. Stocking
Attorney.

UNITED STATES PATENT OFFICE.

LEWIS S. MARKS, OF MARION, INDIANA.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 302,270, dated July 22, 1884.

Application filed April 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, LEWIS S. MARKS, a citizen of the United States, residing at Marion, in the county of Grant and State of Indiana, have invented certain new and useful Improvements in Button-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to that class of button-fasteners which consists of a piece of wire bent into a ring having a cross-bar provided with a loop adapted to rest in the eye of a button, whereby, when said eye is passed through a slit or hole in any fabric, the ring may be entered into the eye on the back side of the fabric and turned until the loop reaches the eye. In this manner the button is secured to the fabric.

My invention consists in certain features of construction, hereinafter described, and specifically set forth in the claims.

Referring to the drawings, Figure 1 is a side elevation of the button and my fastener connected therewith, the fabric being shown in section. Fig. 2 is an elevation of the side of the button and fastener opposite to that shown in Fig. 1. Fig. 3 is a plan of the fastener detached from the button, and a cross-section of the half-round wire of which the fastener may be made.

Like letters refer to like parts in all the figures.

A represents the fastener, which consists of a wire bent, as at a, to form an eye substantially in the center of the cross-bar portion a', and bent from a point, as at a^2, to form the ring portion a^3, a loop, a^4, being formed in the ring portion opposite the point a^2, the wire terminating at a^5, substantially under the point a^2. By this conformation are provided the main ring portion and central cross-bar, a', having an eye, a, to rest in the eye of a button, and having a loop, a^4, to receive an end of the cross-bar, so that the entire under surface of the fastener in all its parts lies substantially in a common plane, whereas without the loop a^4, and without reducing the portion a^5 of the wire to a less thickness than the remaining portion thereof, there would be at two opposite points—the ends of the cross-bar—two thicknesses of wire, which, in projecting from the under surface of any material to which a button is secured thereby, would render the use of such fastener objectionable, and uncomfortable to the wearer of any fabrics, clothing, or shoes to which buttons were applied by means of such a fastener.

It will be noticed that the loop a^4 is arranged so that it is embedded in the material or fabric B, to which the button C is attached, and that, if desired, the point a^5 of the wire may be sprung around and upon the point a^2 of the cross-bar, and be also embedded in the material; but I do not limit my invention to such an arrangement of points, which, being beveled or thinner than the main portion of the wire, will not project outwardly to any sufficient distance to render the fastener uncomfortable.

As shown in section in Fig. 3, the fastener may be made of half-round wire, the flat face of which could be arranged either against the fabric or not, as desired; and I do not limit my invention to any particular shape of wire in cross-section, but may employ round, half-round, or flat material; nor do I limit my invention to any specific use thereof—that is to say, I may employ it in fastening buttons on shoes, gloves, or other wearing-apparel; or it may be employed in fastening buttons on any fabrics requiring fastening or connecting devices, and so far as the novel features of my fastener are concerned, I do not limit myself to the exact details of construction herein shown and described, but I may alter the same in any manner and to any extent within the skill of persons conversant in the construction of similar devices.

Having described my invention and its operation, what I claim as new is—

1. The button-fastener A, having the cross-bar a', provided with the loop a, the ring portion a^3, provided with the loop a^4, and the end a^5, arranged under or over one end of the cross-bar, the other end of the cross-bar being arranged within the loop a^4, substantially as shown and described.

2. The combination of the button C, fabric B, and the fastener A, comprising a cross-bar resting within an eye, a^4, and the reduced end a^5, substantially as shown and described.

3. In a button-fastener of the class described, the combination of the cross-bar with the ring

portion provided with a loop arranged to project in the same direction as the loop of the cross-bar, substantially as specified.

4. A button-fastener of the class described, having on the ring portion and on the cross-bar upwardly-projecting loops, and one end of the ring portion reduced in thickness, whereby but one thickness of material is exposed beyond the surface of the fabric to which the button is attached by said fastener, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

LEWIS S. MARKS.

Witnesses:
E. B. STOCKING,
WM. S. DUVALL.