

(No Model.)

S. GOLDNER.
FASTENING FOR LINK CUFF BUTTONS.

No. 534,472.

Patented Feb. 19, 1895.

FIG. 1.

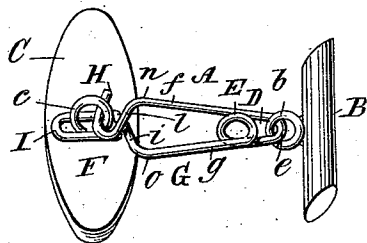


FIG. 2.

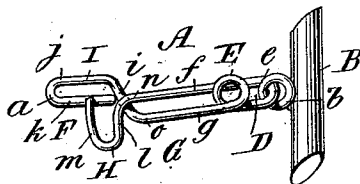
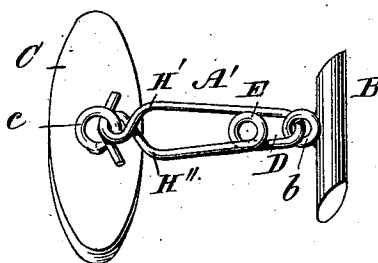


FIG. 3.



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UNITED STATES PATENT OFFICE.

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FASTENING FOR LINK CUFF-BUTTONS.

SPECIFICATION forming part of Letters Patent No. 534,472, dated February 19, 1895.

Application filed August 27, 1894. Serial No. 521,364. (No model.)

To all whom it may concern:

Be it known that I, SIMON GOLDNER, a subject of the King of Roumania, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Fastenings for Link Cuff-Buttons and other Articles, of which the following is a specification.

This invention relates to fastenings for link cuff buttons, and for other buttons or articles used in connection with wearing apparel, and aims to provide an improved fastening for this purpose.

Heretofore in fastening link cuff buttons, it has been customary to employ a wire link, the ends of which are bent into fasteners, into which the eyes of the buttons are passed. With such fasteners considerable difficulty is often experienced in connecting the links to the eyes, and the connection has not been entirely secure against accidental escape of the buttons.

This invention aims to provide an improved fastener particularly applicable to link cuff buttons which will serve both as the link and the fastener and may be connected to one of the buttons by a normally permanent connection and to the other button by an easily operated spring catch which shall give security against accidental detachment of this button.

To this end in carrying out my invention, I provide an improved fastener which I will describe as applied to link cuff buttons, referring to the drawings accompanying this application.

Figure 1 is a perspective view of my invention when employed as a link for a pair of link cuff buttons, the fastener being in the closed position. Fig. 2 is a similar view showing the fastener in the open position and one of the buttons removed, and Fig. 3 is a perspective view showing a modification.

Referring to the drawings let A indicate the fastening link, B the bar button at one end thereof, and C the corresponding button at the other end thereof.

The buttons B and C may be of any usual construction. As usual each has a bottom eye designed to pass through the button hole of a cuff and engage a link connecting the

two buttons at the inner side of the cuff. The eye for the button B is lettered *b* and that for the button C *c*.

According to my invention I provide certain improvements in the link or fastener A between the buttons, whereby the button and link may be easily connected or disconnected in use, the risk of accidental separation will be greatly reduced, the one button may be permanently connected for all ordinary purposes to one end of the link, and the relative positions of the two buttons shall be maintained.

In carrying out the preferred form of the invention I provide a fastener with a loop near one end for one button, a snap catch near its other end for the other button and an intermediate body providing the requisite length for the link and serving as the means for operating the catch. Intermediate of its ends the link is preferably provided with a catch or stop for resisting movement of the permanently attached button from its loop, and this stop is constructed to be freed sufficiently to permit the removal of the permanently attached button when required.

In the preferred construction illustrated in Figs. 1 and 2, the fastening or link A is constructed of a piece of elastic strand or wire *a*, bent upon itself near its middle to form one end of the link at *e* and having at its ends overlapping portions constituting catching or fastening provisions, which when in one position permit the application of the fastener to the eye of a button, and when in the other position engage such eye and lock the fastener to the button.

In the construction shown the fastener has a loop D receiving the eye of the permanent button B, a stop or catch E preventing escape of the eye from the loop, at one end, a catch F at the other end and an elastic body G intermediate of its ends. The loop D consists of the bend *e* of the wire and the adjacent ends of the shanks *f* and *g* thereof. The stop E consists of a coil or bend in one or both of the shanks *g f*, that shown being a coil in the shank *g* extending toward and overlapping the opposed shank *f*, and in such proximity thereto that normally the eye *b* in the loop D

is prevented from escaping. The fastening F preferably consists of a hook H formed by an inward and then an outward bend of the end of the shank *f*, and a loop or bend I of the end of the shank *g*. This loop is formed by bending the shank *g* inwardly to form a portion *i*, then forwardly to form one wall *j* and then back on itself to the portion *i* to form the other wall *k* of the loop. The hook H is formed of two bends, the inward bend constituting the portion *l* of the hook and the reverse bend the bolt or portion *m* thereof. The hook H and loop I when in the normal position are disposed, the hook at the under or inner side of the loop with its portion *m* traversing substantially the middle of the space of the aperture through the loop. Then the shanks *f* and *g* are at their maximum relative separation, at their outer ends, standing at a slight inclination, and the bends *n* or near the fastening F serve as inwardly and outwardly movable laterally projecting handle portions or grasping points for pressing the shanks together to open or close the fastening.

Normally the portion *l* of the shank *f* rides on the inner side of the portion *i* of the other shank, and this keeps the shank *f* close to the stop E; but should it be desired to detach the button B from the loop D, the shanks are separated until the hook H will snap to the other side of the loop I, whereupon there is sufficient room between the shank *f* and the stop E to permit the passing of the eye *b* between these parts so that the latter can be removed from the link.

In operation the button B is attached to the link, the latter is then passed through the button hole of the cuff, the button C is passed through its button hole, the link is grasped by its points *n* and *o* and compressed until the hook H passes inwardly of the aperture of the loop I, then the latter aperture is passed over the eye of the button C, whereupon if the fastener is released the elasticity of the wire will cause the hook to snap through the eye thus locking it within the loop I and retaining it until the fastener is again compressed sufficiently to permit its removal.

It will be seen that my invention provides an improved fastener for link cuff buttons and other articles which is simple, and easy and effective of operation, and it will be understood that the invention is not limited to the particular details of construction and arrangement set forth as constituting its preferred form, but that the invention may be availed of in whole or in part according to such modifications as circumstances or the judgment of those skilled in the art may dictate, without departing from the spirit of the invention.

One modification is shown in Fig. 3, in which the fastener or link lettered A' is constructed with two hooks H' H'', opposed in direction, which engage the eye *c* of the but-

ton C. The remainder of the construction is in this instance identical with that before described.

When the fastener is made of wire, as shown, it is very readily passed through the button hole of the cuff since its thickness is no greater than the width of two small wires at its catch end, a size which is considerably less than the width of such holes. This permits the permanent attachment of the button to one end of the fastening. Great ease is attained in catching or freeing the fastener to or from the other button when the cuff is being worn, as it is only necessary to grasp and squeeze the body G for this purpose.

What I claim is—

1. In a fastener for link cuff buttons and other articles, a member having at one end a loop for engaging the eye of one button, and at its other end a catch for engaging the eye of another button, and intermediate of its ends a yielding stop normally preventing the displacement toward said catch of the button engaged in said loop, and yielding and permitting under force the passage of the latter button from said loop past said stop and toward said catch.

2. In a fastener for link cuff buttons and other articles, a member having a loop at one end for attachment to the eye of an article and having at its other end a slot for receiving the eye of another article and a spring actuated bolt crossing said slot for engaging and retaining an eye therein and a laterally projecting handle portion for said bolt intermediate of the ends of said member, said handle portion movable inwardly when pressed and then moving said bolt beyond said slot, and moving outwardly when released, and then permitting said bolt to cross said slot.

3. In a fastener for link cuff buttons and other articles, a strand having a bend engaging the eye of an article, and having free shanks extending from said loop outwardly, having inwardly turned portions crossing each other near their outer ends, and fastening provisions beyond said portions, one of said shanks having a projection intermediate of its ends lying against the other shank and holding it toward the one it crosses.

4. In a fastener for link cuff buttons, a strand bent on itself and having at one end a loop D for engaging the eye of one button, at its other end means for engaging the eye of another button, and intermediate of its ends a yielding stop E consisting of a bent portion of the strand preventing escape of the button engaged by said loop.

5. The fastener A, consisting of the wire *a*, having a bend *e* constituting an eye loop, a shank *g* extending from said bend forwardly, having near its other end inwardly bent portion *i*, forwardly extending portion *j* and backwardly extending portion *k*, constituting a slot I, and a shank *f* extending from said

bend *e* forwardly, having near its end an inwardly bent portion *l* crossing said portion *i*, and a reversely extending outwardly bent portion *m*, crossing said portions *j* and *k*, and
5 constituting a bolt H, said shanks having handle portions *n o* intermediate of their ends, substantially as and for the purpose set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

SIMON GOLDNER.

Witnesses:

GEORGE H. FRASER,
THOMAS F. WALLACE.