(No Model.)

W. C. EDGE.

LINK ATTACHMENT FOR BUTTONS, &c.

No. 485,320. Patented Nov. 1, 1892.

Fig. 1.

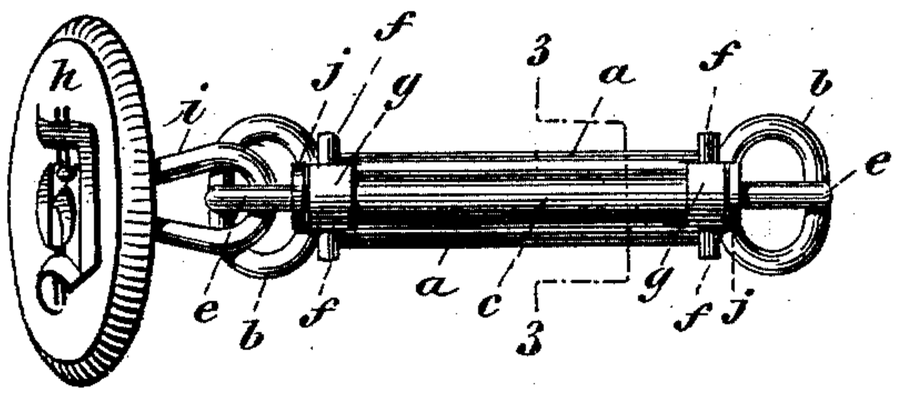


Fig. 2.

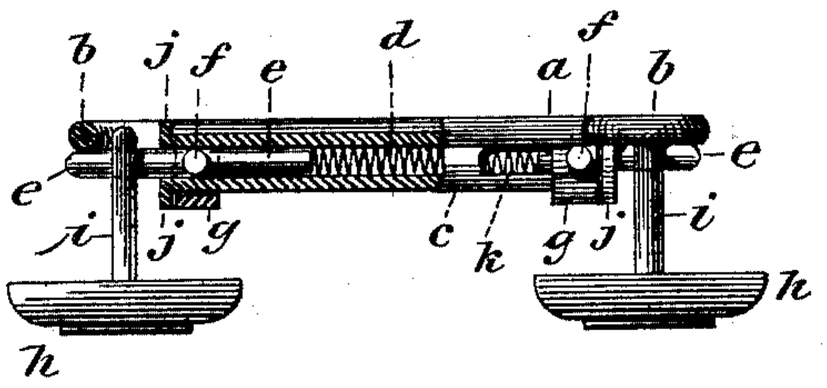


Fig. 3.

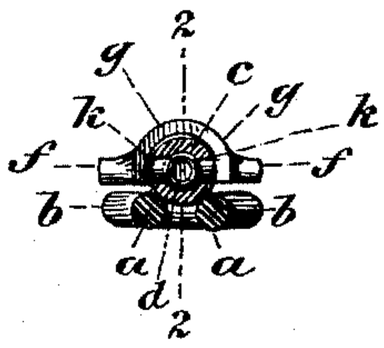
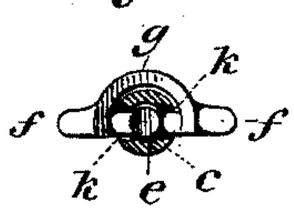


Fig. 4.



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LINK ATTACHMENT FOR BUTTONS, &c.

SPECIFICATION forming part of Letters Patent No. 485,320, dated November 1, 1892.

Application filed April 25, 1892. Serial No. 430,487. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. EDGE, a citizen of the United States, residing at Montrose, county of Essex, in the State of New Jersey, have made a new and useful Improvement in Link Attachments for Buttons, of which the following is a specification.

The object of my invention is to provide a simple and easy means of attaching buttons to a connecting bar or link, especially for use as cuff-buttons or sleeve-buttons.

The invention consists in the improved link attachment for connecting two buttons together and the combination and arrangements of its various parts, substantially as hereinafter described and claimed.

Referring to the drawings, Figure 1 is a perspective view of my improved button-link with a button placed in position. Fig. 2 is a longitudinal sectional view of the link on line 2 2 of Fig. 3, showing two buttons in position on the link; and Fig. 3 is a cross-section on line 3 3 of Fig. 1. Fig. 4 is a similar cross-section of part of Fig. 3.

In said drawings, *a* represents a wire framing for the connecting-link, and consists of two parallel wires that terminate at each end in a projecting loop *b*. This framing carries a longitudinal tube *c*, soldered thereto or secured in any other desired manner, said tube having flanged outer ends *j* and side slots *k* directly behind said flanges. The tube *c* contains a spiral spring *d* or analogous cushion, whose ends bear against sliding rods *e e*. Each of these sliding rods *e* is provided with a cross-bar *f*, rigidly secured thereto, said cross-bars passing through the slots *k* of the tube *c*. These bars *e* are of such length that when forced into their normal position by the spring *d* their outer ends will overlap or reach close to the periphery of the loops *b*, as shown in Fig. 1. The cross-bar *f* carries a semicircular saddle *g*, which partly encircles the tube *c* behind the flange *j*. The spring *d* crowds each rod *e* outwardly until its saddle *g* reaches the flange *j*.

In Fig. 1 I have shown a button *h*, with eye *i* in position of being placed between the sliding bar *e* and the loop *b*, and in Fig. 2 the button is shown as turned down upon the bar *e* as a pivot into substantially a right angle with the link, the upper end of the eye projecting within the loop *b*, the button *h* being thus held firmly in its position within the loop *b* by means of the rod *e*, the inward action of said rod being provided by the spring *d*.

When it is desired to connect the button with my improved link attachment, the ends of one cross-bar *f* are taken hold of and said cross-bar pushed inward, carrying its rod *e* with it against the spring, said spring meanwhile bearing against the other rod *e* until the sliding rod *e* has cleared the loop *b* sufficient to permit the insertion of the button-eye *i*. The cross-bar is then released and the spring shoots the rod through the button-eye. Thereupon the other button is attached in the same manner.

In order to remove either button, it is only necessary to force back the rod *e* by means of the projecting cross-bar *f*, which at once frees the eye of the button from the rod and allows it to be readily withdrawn from the loop *b* of the link attachment. It will be seen that the same spring *d* operates both slides *e*, finding a bearing by the contact-surfaces *g* and *j* at one end whenever the slide at the other end is moved. Each button is reversible on the holder, as its shank may be inserted from either side through the open loop *b*.

Having thus described my invention, what I claim is—

1. A link attachment for buttons, combining therein a framing *a*, having open loops *b*, slotted tube *c*, containing therein a spring *d*, and sliding rods *e*, adapted to enter the eye of the button and hold the same in position when inserted from either side through the loops *b*, substantially as described.

2. In a link attachment, the combination of a framing *a*, having loops *b b*, and slotted tube *c*, having flanges *j*, with the rods *e*, having cross-bars *f* and saddles *g*, and with the spring *d*, all substantially as described, and for the purposes set forth.

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Witnesses:
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