

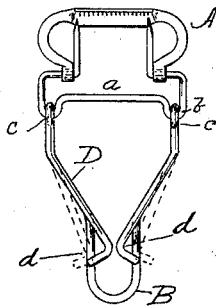
(No Model.)

F. C. CHURCHILL.  
SAFETY BUTTON HOLE LOOP.

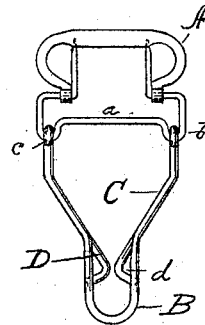
No. 341,879.

Patented May 18, 1886.

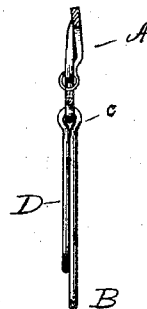
*Fig. 1*



*Fig. 2*



*Fig. 3*



Witnesses.

W. B. Howe

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# UNITED STATES PATENT OFFICE.

FRANK C. CHURCHILL, OF LEBANON, NEW HAMPSHIRE.

## SAFETY BUTTON-HOLE LOOP.

SPECIFICATION forming part of Letters Patent No. 341,879, dated May 18, 1886.

Application filed March 24, 1886. Serial No. 196,359. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK C. CHURCHILL, a citizen of the United States, residing at Lebanon, in the county of Grafton and State of New Hampshire, have invented certain new and useful Improvements in Safety Button-Hole Loops, of which the following is a specification.

The object of my invention is to provide, in connection with a suspender-buckle, improved means for engaging with and fastening about the shank of a garment-button.

My invention consists in arranging with the buckle a combined wire button-loop and a yielding spring-closer, the latter being somewhat the shortest and depending in front of the loop; also, in the peculiar form and arrangement of the said loop and fastener, which in this case are bent from a single piece of wire.

In the drawings, Figures 1 and 2 are front and rear elevations showing the button-loop and the operation of the spring-closer. Fig. 3 is an end elevation.

Like letters refer to like parts.

A is a buckle of ordinary construction. The lower bar, *a*, of it consists of the raised straight portion and the depressed bends *b*.

To form the button-loop a wire is bent to form the U-shaped portion B, and then bent outward and upward to make the enlargement C. The wire is thereafter carried around the bends *b* in the form of eyes *c c*, and then down in front of the portions C and B, to form a spring-closer, D. The lower part of this has V-shaped bends *d* near the termination of the free ends of the wire. Thus a yielding spring or closer is provided, permitting the button-shank to pass into the portion or loop proper, B, and thereafter holding the button from

slipping up or out. It will be seen that the loop, as a whole, has free play to meet the motion or bending of the body from the manner in which it is hinged to the buckle-bar; also, that the button may be easily inserted by spreading the spring-closer with the fingers, or by placing the button in the enlargement C and drawing the bends of said closer up over the button-shank.

I am aware that a necktie-fastener has been used which, inverted, resembles my device, and I disclaim it. In the construction there shown the play of the spring-closer is limited by the sides of the loop, and both are united by solder, which would not permit sufficient spring action for use in connection with a suspender-buckle; nor are the parts formed from a single piece of wire, hence cause more trouble and expense to manufacture than mine.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with the suspender-buckle, of the button-loop, substantially as shown, and the yielding spring-closer arranged wholly outside of said loop, so as to have the limit of its opening or closing unaffected thereby, the said loop and closer being bent from a single piece of wire, substantially as shown, and for the purpose set forth.

2. The combination, with the buckle-bar *a*, of the button-loop B C, having eyes *c c*, and the spring-closer D, depending in front of said loop, and having bends *d d*, as set forth.

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

FRANK C. CHURCHILL.

Witnesses:

J. B. THURSTON,  
NATHANIEL E. MARTIN.