

(No Model.)

E. PFLUG.

BUTTON AND BUTTON FASTENING.

No. 254,842.

Patented Mar. 14, 1882.

Fig. 1.

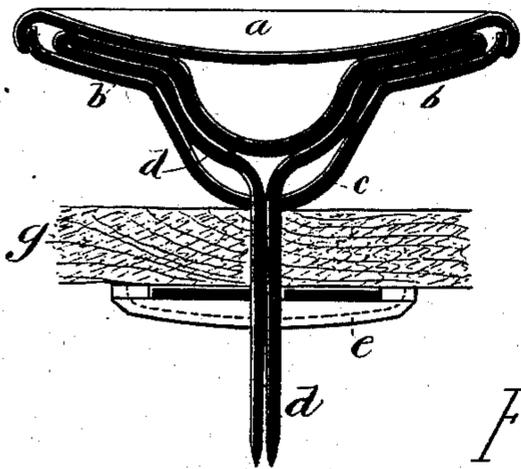


Fig. 2.

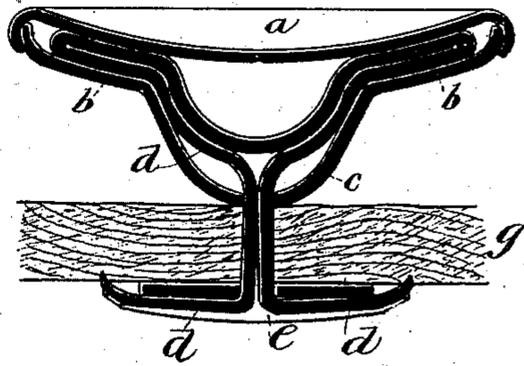


Fig. 5.

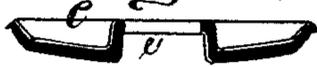


Fig. 3.

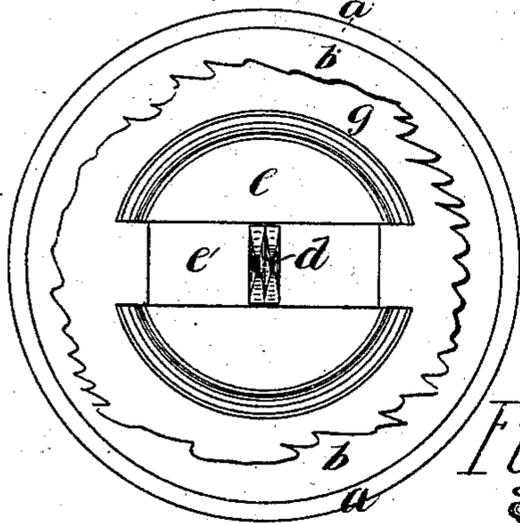


Fig. 4.

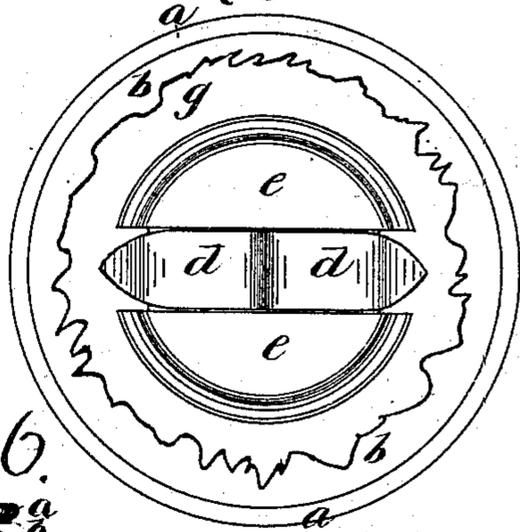
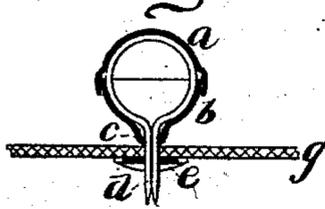


Fig. 6.



Fig. 7.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

EMIL PFLUG, OF BERLIN, GERMANY, ASSIGNOR TO NICOLAY FRITZNER, OF  
SAME PLACE.

## BUTTON AND BUTTON-FASTENING.

SPECIFICATION forming part of Letters Patent No. 254,842, dated March 14, 1882.

Application filed October 30, 1880. (No model.) Patented in Germany April 28, 1881.

To all whom it may concern:

Be it known that I, EMIL PFLUG, of the city of Berlin, in the Kingdom of Prussia, German Empire, have invented Improvements in Buttons and Button-Fastenings, of which the following is a specification.

The accompanying drawings form a part of this specification and illustrate the invention.

Figure 1 is an axial section of a button and its fastening prior to the final locking; Fig. 2, the same section after locking; Fig. 3, a view of Fig. 1 from below; Fig. 4, a view of Fig. 2 from below; Fig. 5, a cross-section of the washer; Fig. 6, a side view of a button fastened to a piece of cloth; Fig. 7, an axial section of a globular button for shoes, &c.

Similar letters of reference indicate corresponding parts.

The body of the button is composed of an upper part, *a*, and a lower one, *b*, of any suitable material and convenient size and design. The two parts are united by crimping the upper part, *a*, over the edge of the lower, *b*, which may be done by pressing them in dies or by spinning. The part *b* extends downward, forming a nipple or teat, *c*, to keep the wider portion of the button at the right distance from the cloth to which it is fastened. A narrow strip, *d*, of soft metal—as brass, iron, &c.—is pointed on both ends and doubled inside of the button, its ends projecting from a hole in the lowest part of the nipple *c*. This strip *d* is secured firmly to the button when the parts *a* and *b* are united, as above described. The washer *e* has an oblong hole in the center, large enough to allow the protruding ends of the strip *d* to pass when lying close side by side, and two recesses in its circumference of the same width as the strip *d*. The washer *e* has a depression, *e'*, extending from the central hole to the recesses on the edge, into which the strips *d* are bent when the fastening is done. After having pierced the cloth *g* by means of the pointed ends of the strip *d*, the washer *e* is put on the

latter and then pressed firmly down against the cloth. The ends of the strip *d* are now bent apart and pressed down into the depressed parts of the washer *e*, taking care that the points are forced into the cloth, Fig. 2. The button is in this way rigidly fastened or locked to the cloth, and cannot be separated from it, except by tearing the cloth or by purposely opening the lock by bending back and straightening the two ends of the strip *d*. In this case the button may be taken off and fastened again anywhere else.

Fig. 7 shows another shape of the parts *a* and *b* of the button, and, according to that, another form of the concealed portion of the strip *d*. Such globular buttons are used on boots or shoes.

It must be remarked that these buttons may be used on any wearing-apparel—drawers, overcoats, waistcoats, shoes, gloves, &c.—and made of any desired size and shape and of any suitable material.

What I claim is—

1. The hollow button-head described, formed of two pieces, *a* and *b*, the latter extended into the nipple *c*, as shown, in combination with the fastening-strip *d*, bent upon itself and incased in the head *a b*, which it fills, substantially as set forth.

2. The button described, consisting of the two head-pieces *a* and *b*, fastened together as described, the fastening-piece *d*, having a bent portion lying within and filling the head *a b*, and the washer *e*, having a central hole, radial depressions *e'*, and recessed edges for engaging the points of the fastening-piece *d*, all constructed and arranged as herein set forth.

This specification signed by me this 8th day of October, 1880.

EMIL PFLUG.

Witnesses:

NICOLAY FRITZNER,  
CARL T. BURCHARDT.