

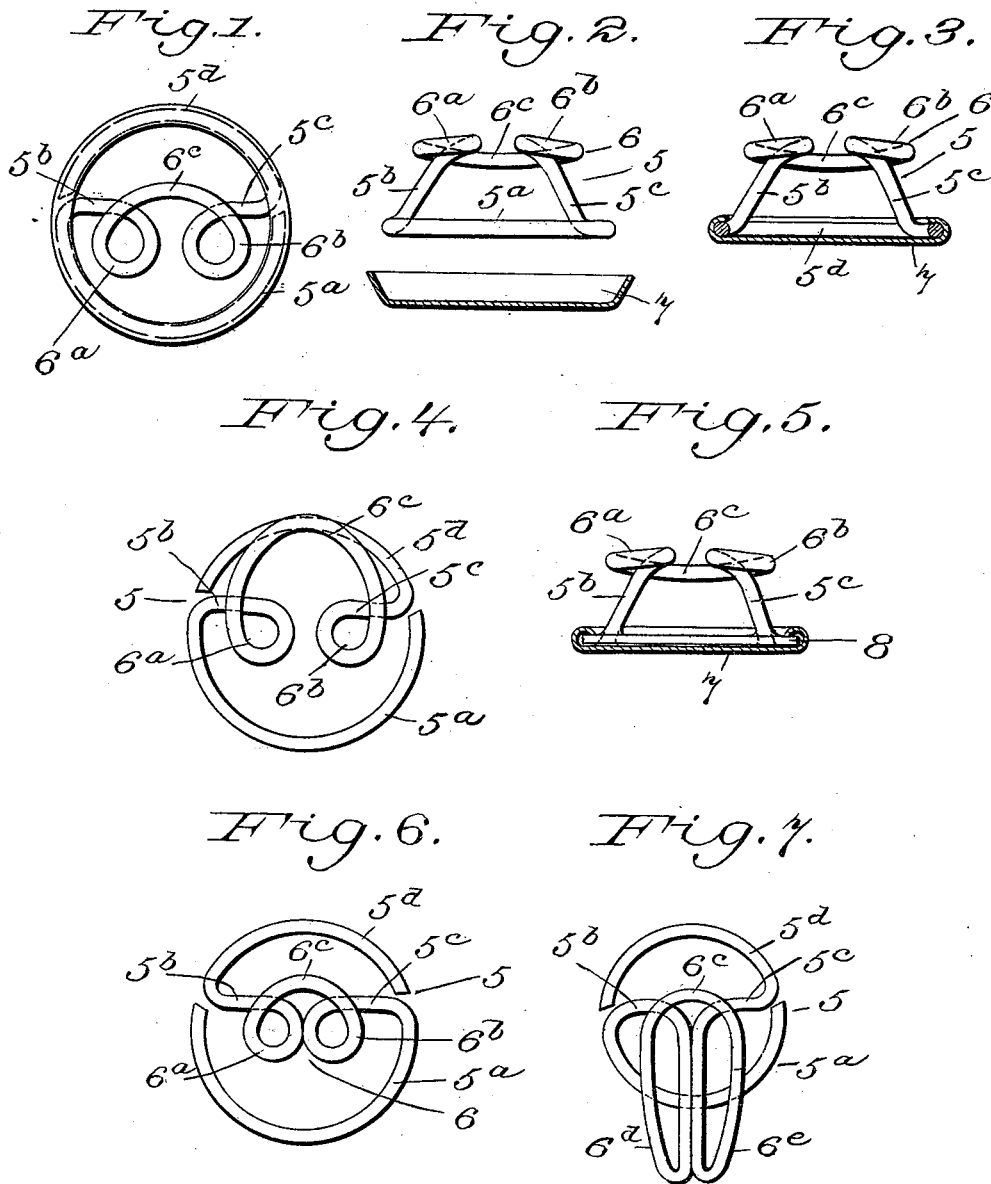
No. 646,175.

Patented Mar. 27, 1900.

J. E. HILLS.  
SLEEVE BUTTON.

(Application filed Apr. 26, 1899.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JAMES EDWIN HILLS, OF NEW YORK, N. Y.

## SLEEVE-BUTTON.

SPECIFICATION forming part of Letters Patent No. 646,175, dated March 27, 1900

Application filed April 26, 1899. Serial No. 714,806. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES EDWIN HILLS, a citizen of the United States, residing at New York city, borough of Brooklyn, county of Kings, State of New York, have invented certain new and useful Improvements in Sleeve-Buttons, of which the following is a specification.

My invention relates to cuff-buttons of the type which may be wholly formed of a piece of bent wire or which may have the shank and shoe formed of a piece of bent wire and the head of a separate portion of metal or other suitable material.

The object of my invention is to make a cuff-button which may be readily introduced into the buttonhole and which when in position will maintain the location given to it and not turn in the buttonhole and, further, will hold the two sides of the opposing surfaces of the cuff in close contact.

The accompanying drawings will serve to illustrate my invention.

Figure 1 is a plan view of a two-part cuff-button, where the shank and shoe are formed of a piece of wire and the head of a separate portion of material. Fig. 2 is a side view showing the parts detached. Fig. 3 is a side view showing the head in horizontal section. Fig. 4 is a plan view which shows a shoe made somewhat longer than in Fig. 1. Fig. 5 is a side view and section of a two-part button, showing a method of connecting the wire shank and shoe to the head through a separate plate. Figs. 6 and 7 show further modifications in the shape of the shoe.

In the drawings, 5 is the shank, and 6 the shoe. The shank is formed by bending a piece of wire first to form a semicircle, as shown at 5<sup>a</sup>. The wire is then turned inward and upward to form one upright of the shank 5<sup>b</sup>, then turned horizontally to form the loops 6<sup>a</sup> 6<sup>b</sup> and curved portion 6<sup>c</sup>, then downward to form the other upright of the shank 5<sup>c</sup>, and then horizontally in a semicircle backward to form the part 5<sup>d</sup>.

The curved portion 6<sup>c</sup> may be formed as shown in Fig. 1—that is, the loops 6<sup>a</sup> and 6<sup>b</sup> slightly separated, or, as shown in Fig. 6, with these loops in close contact—or it may be formed as shown in Fig. 4—that is, the curved portion 6<sup>c</sup> extended backward horizontally,

with the loops separated—or as shown in Fig. 7, with the elongated loops 6<sup>d</sup> 6<sup>e</sup> and the loops 6<sup>c</sup> extended forward horizontally.

Other modifications may be made while still maintaining the configuration shown.

7 represents the head. This head is generally of dish shape and may be formed of metal, celluloid, or any other convenient material. The head and shank are connected together as shown in Fig. 3—that is, the shank is set down into the head and the head crimped around the horizontal portion of the shank, or a plate 8, Fig. 5, may be used as a means of attachment. In this case the horizontal portions 5<sup>a</sup> 5<sup>d</sup> of the shank are omitted, and the vertical portions 5<sup>b</sup> and 5<sup>c</sup> are soldered, riveted, or otherwise connected to the plate 8 and the head 7 crimped over the plate. Other methods of attachment may be employed.

In constructing my button as a whole I may locate the shoe in a plane parallel to the plane occupied by the horizontal portion of the shank or head, or, as shown in Figs. 2, 3, and 5, I may incline the shoe relative to the head.

For certain purposes—such, for instance, as a collar-button or wrist-button for cuffs—I may entirely omit the head, in which case the horizontal portion of the shoe 5<sup>a</sup> 5<sup>d</sup> may have the ends soldered together.

Having thus described my invention, I claim—

1. In a cuff-button, a shank and shoe formed of a single piece of wire, bent to form a vertical portion with sides converging at the shoe; two eyes at an angle to said vertical portion and located on one side of said vertical portion, and a curved portion at an angle to said vertical portion and located upon the opposite side of said vertical portion.

2. A cuff-button formed of a single piece of wire, bent to form two horizontal semicircles, then to form a vertical portion with sides converging at the shoe, then to form two eyes at an angle to said vertical portion and located on one side of said vertical portion, and a curved portion at an angle to said vertical portion and located upon the opposite side of said vertical portion.

3. In a cuff-button, the combination of a shank and shoe formed of a single piece of wire, bent to form two horizontal semicircles, then to form a vertical portion with sides con-

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verging at the shoe, then to form two eyes at  
an angle to said vertical portion and located  
on one side of said vertical portion, a curved  
portion at an angle to said vertical portion  
5 and located upon the other side of said verti-  
cal portion, and a head formed of a separate  
piece of metal.

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

JAMES EDWIN HILLS.

Witnesses:

J. E. PEARSON,  
ERNEST V. PLATT.