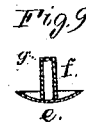
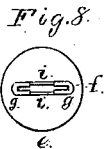
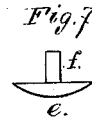
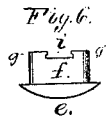
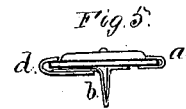
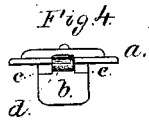
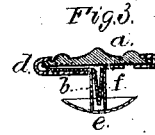
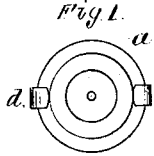
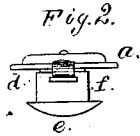


J. B. ULMAR.
Sleeve-Buttons, &c.

No. 164,112.

Patented June 8, 1875.



Witnesses.

Geo Gray
J. W. Hale

John B. Ulmar.

by his attorney
F. P. Hale

UNITED STATES PATENT OFFICE.

JOHN B. ULMAR, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF
AND GEORGE R. KELSO, OF SAME PLACE.

IMPROVEMENT IN SLEEVE-BUTTONS, &c.

Specification forming part of Letters Patent No. 164,112, dated June 8, 1875; application filed
February 19, 1875.

To all whom it may concern:

Be it known that I, JOHN B. ULMAR, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Sleeve-Buttons, Shirt-Studs, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

In the said drawing, Figure 1 denotes a top view, Fig. 2 a side elevation, and Fig. 3 a vertical section, of a sleeve-button constructed in accordance with my invention. Figs. 4 and 5 are edge views of the outer disk or part of the device. Figs. 6 and 7 are edge views of the inner disk and its shank. Fig. 8 is an inner side view of the same, and Fig. 9 is a section taken through the shank in a plane at a right angle to the disk.

My invention has reference to that class of sleeve-buttons, studs, &c., which are formed in two separate parts, so as to enable the device to be attached to a cuff or other article of wearing apparel without passing either of the holding-disks through the bottom hole or holes; and my invention consists in the peculiar construction and arrangement of the several parts, as hereinafter referred to and claimed.

In the said drawing, *a* denotes the outer disk or part of the device, which may be of any desirable size and shape. *b* is a flat metallic spring, which is affixed to the side of a metallic bar or plate extending axially from the under face of the disk; or the plate and spring may be formed of a single piece of material, the parts lapping upon each other. The free or outer end of this spring is formed with two shoulders, *c c*. It also has an arm, *d*, which projects at a right angle therefrom, and has its outer end extended over the edge of the disk, as shown in Figs. 1, 2, 3, 4, and 5, this construction and arrangement enabling the spring to be readily moved inward, and

thus permit the parts to be separated with great facility. *e* is the inner disk or part, which may also have any convenient or desirable size and form, the same having a flat, hollow shank, *f*, extending axially from its inner face. The outer end of the shank is formed with ledges or shoulders *g g*, extending around its ends, such ledges projecting inward at right angles to the shank. There is also formed in each of the opposite walls of the shank a recess, *i*, to receive the operating-arm *d* of the spring, and thus enable the ledges of the shank to engage with the shoulders of the spring under either position of the walls of the shank. This shank receives the spring of the front disk or part of the device, which is to be forced down into the same until its shoulders shall have passed beyond the ledges of the shank, when the elastic force of the spring will impel its shoulders over the said ledges, and thus lock or hold the parts in firm connection. To separate the parts whenever desirable, we have simply to press upon the end of the arm *d* of the spring, and force the same inward until the shoulders of the latter shall have been moved out of contact with the ledges of the shank, when the parts may be readily separated. By thus constructing the device in two parts, as described, the two disks or parts *a* and *e* may be made of any desirable size, having the same or different diameters and of different forms or designs, so as to constitute a duplex or reversible button, the construction of the parts enabling them to be either readily connected or disconnected, as may be desirable.

I do not claim making a sleeve-button, stud, or other similar fastening or article of jewelry in two parts, one part carrying a tubular shank, and the other part having a stem with two snap-springs affixed to it to engage with the tubular shank, as I am aware that such is not new.

Having described my invention, what I claim is—

A sleeve-button or stud made in two parts, *a e*, the former having a single flat

spring, *b*, provided with shoulders *c c* and an operating-arm, *d*, and the latter having a flat, tubular shank, *f*, provided with ledges *g g*, to engage the shoulders *c c*, the arm *d* having its outer end extended over the edge of the disk, in manner and for the purpose set forth.

In testimony that I claim the foregoing as my own invention, I affix my signature in presence of two witnesses.

JOHN B. ULMAR.

Witnesses:

F. P. HALE,
F. C. HALE.