

A. L. FRANKENTHAL.
Sleeve-Button.

No. 196,001.

Patented Oct. 9, 1877.

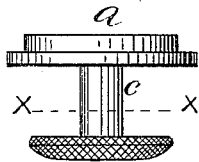


Fig. 1.

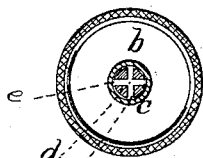


Fig. 4.

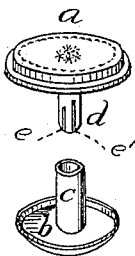


Fig. 2.

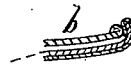


Fig. 5.

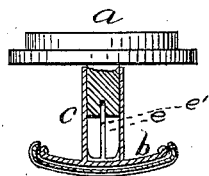


Fig. 3.

WITNESSES

B. W. Williams
O. W. Baker

INVENTOR

Adolphus L. Frankenthal

By his Attys.

Henry W. Williams & Co.

UNITED STATES PATENT OFFICE.

ADOLPHUS L. FRANKENTHAL, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SLEEVE-BUTTONS.

Specification forming part of Letters Patent No. **196,001**, dated October 9, 1877; application filed February 24, 1877.

To all whom it may concern:

Be it known that I, ADOLPHUS L. FRANKENTHAL, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Sleeve-Button, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a side elevation of a sleeve-button embodying my invention. Fig. 2 is a perspective view, showing the two portions of the button separated. Fig. 3 is a vertical section. Fig. 4 is a horizontal section on line *xx*, Fig. 1. Fig. 5 is a part section enlarged.

Similar letters of reference indicate corresponding parts.

This improvement is intended to be applied not only to sleeve-buttons, but also to collar-buttons, studs, and the like.

a represents the upper or outer, and *b* the lower or inner, plate in a sleeve-button. Projecting upward from the plate is a straight tubular post or stem, *c*. Projecting downward from the plate *a* is the straight solid stem *d*. Both the tubular post *c* and the stem *d* are made straight. This is an improvement over tapered or cone-shaped posts, being cheaper in manufacture, less difficult to operate, and subject to less strain in practical use.

The stem *d* is provided with two cuts, *e* and *e'*, the two forming a "cross-cut." The object of this is to facilitate the entrance of the stem *d* into the tube *c*.

The cut *e* is a shorter and the cut *e'* is a longer cut, the purpose being to equalize or graduate the pressure as the stem is forced into the tube, thus preventing the pressure and friction from being too prominent or apparent at any one point. Thus the short cut *e* is first used, and then the longer cut *e'*, in putting the sleeve-button together.

In use, the tubular post *c* is passed through the button-hole from the inside, and the stem *d* is then pressed into said post from the outside, and the sleeve-button is in place.

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

In combination with the back plate *b*, provided with the straight tubular post *c*, the plate *a*, provided with the straight stem *d*, of even thickness, said stem having the cross-cut *e e'*, of different lengths, substantially as and for the purpose herein set forth.

ADOLPHUS L. FRANKENTHAL.

Witnesses:

HENRY W. WILLIAMS,
B. W. WILLIAMS.