

(No Model.)

L. C. H. MENSING.

BUTTON.

No. 413,198.

Patented Oct. 22, 1889.

Fig. 1.

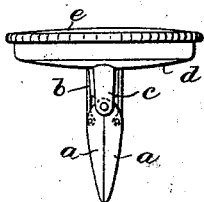


Fig. 3.

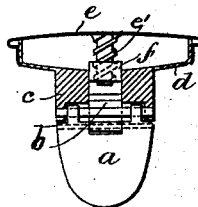


Fig. 2.

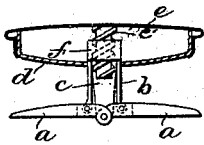
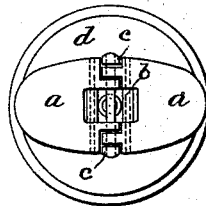


Fig. 4.



Witnesses.
Philip Inghis
Allen

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UNITED STATES PATENT OFFICE.

LOUIS C. H. MENSING, OF CHELMSFORD, COUNTY OF ESSEX, ENGLAND.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 413,198, dated October 22, 1889.

Application filed February 9, 1888. Serial No. 263,467. (No model.)

To all whom it may concern:

Be it known that I, LOUIS CARL HENRY MENSING, a subject of Her Majesty the Queen of Great Britain, residing at Chelmsford, in the county of Essex, England, have invented new and useful Improvements in Studs, Cuff-Solitaires, and Similar Articles, of which the following is a specification.

My invention relates to studs, cuff and collar buttons, and like articles; and it consists of pivoted retaining-wings, to which is attached a slide or frame engaging with a screw secured to the cap or face of the article, the turning of which causes the slide to be moved and the wings either closed together or expanded.

In the drawings, Figure 1 is an elevation of a sleeve-button embodying my invention. Figs. 2 and 3 are central vertical sections thereof, the sections being taken at right angles to each other; and Fig. 4 is an inverted plan view of the button, the wings being extended.

The back or frame of the button or stud, (represented by the letter *d*) is provided with supports or connecting-pieces *c*, upon which are pivoted or hung the wings *a*.

The cap or face *e* of the button or stud is provided with a screw-threaded stud or stem *e'*, and with this screw engages a nut in the form of a slide or block *f*, which is connected with the wings *a* by means of the arms *b*, which at their ends are pivoted or hinged to the wings.

The cap or face of the button has preferably its edges turned or spun over the edge of the back of the button, and is arranged to turn freely thereon in order to rotate the screw and operate the wings, but not to move away or separate therefrom. The shank of the button—formed by the parts *b* and *c*—is considerably longer in the direction of the pivot of the wings than it is transverse thereto, as will be seen by a comparison of Figs. 1 and 3, so that when the button is inserted in a button-hole the back, shank, and wing will be held against rotation, while the cap or face may be turned in either direction.

In Figs. 1 and 3 the parts of the button are shown in the position occupied by them when the button is to be inserted into a button-hole. A rotation of the cap or face will now cause the slide or block *f* to be raised or moved toward the cap or face *e*, and by reason of this block being connected, by the arms *b*, to the wings such wings will be turned on their pivots and caused to assume the expanded position indicated in Figs. 2 and 4, when it will be seen the button will be held in the button-hole until, by a rotation of the cap or face *e*, the wings are again closed together, after which it may be removed.

It will be evident that the parts may be locked when in their open and closed positions by means of slight indentations or recesses on the inner part of the cap or face *e*, with which a projection on the back *d* will engage. The slight spring obtained when the parts are properly adjusted is found, however, to be sufficient for this purpose.

What I claim is—

1. In a stud or button, the combination of the back, the supports carried thereby, the retaining-wings pivoted to such supports, a cap or face having a rotary movement only on the back and carrying a screw, a longitudinally-movable nut, and arms connected to the nut and to the wings, substantially as set forth.

2. The combination of the back, the supports *c* carried thereby, the retaining-wings pivoted in the supports, a cap or face connected with the said back so as to have a rotary movement only thereon, a screw carried by the cap or face, a block *f*, engaging with the said screw, and the arms *b*, connecting the block and the wings, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

L. C. H. MENSING.

Witnesses:

PHILIP M. JUSTICE,
ALLEN N. JONES.