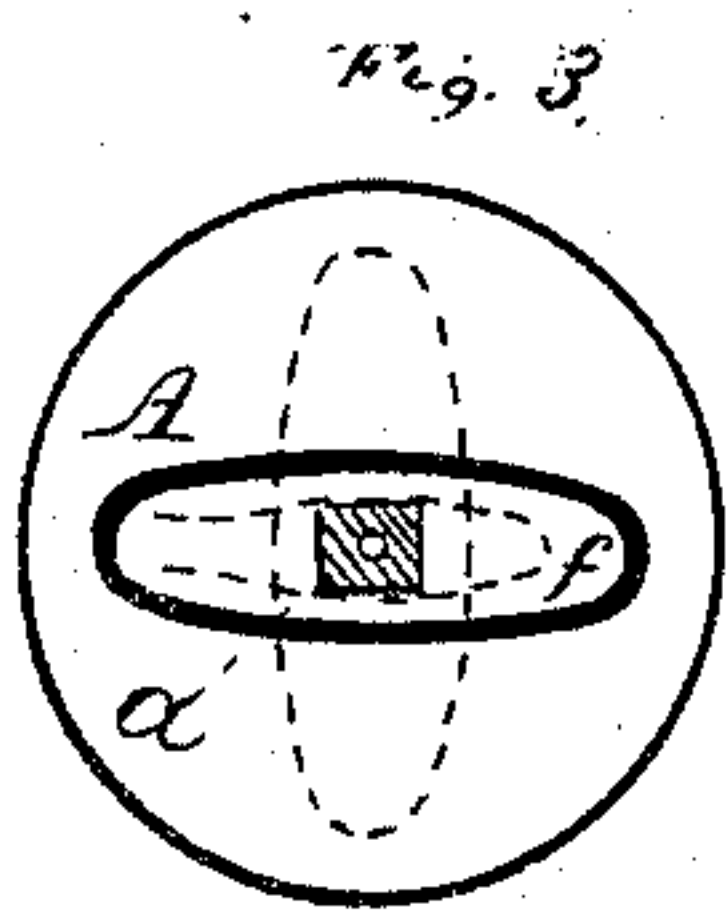
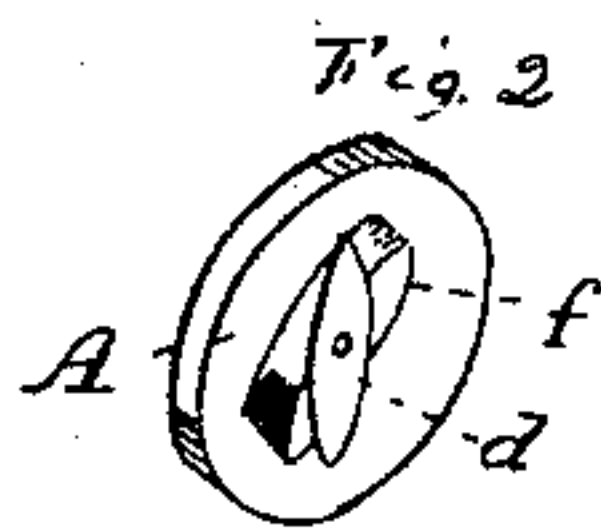
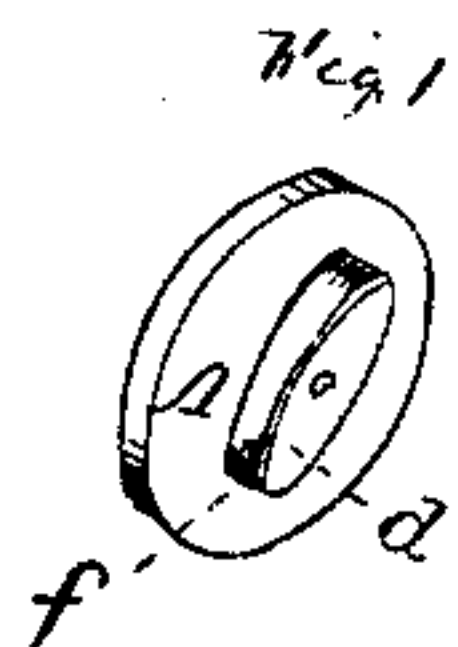


G. M. White,
Button.

No. 67,691.

Patented Aug. 13, 1867.



WITNESSES

John W. Sumner
A. J. Tibbitts

George M. White
INVENTOR
By *his Attorney*

John E. Cook

United States Patent Office.

GEORGE M. WHITE, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 67,691, dated August 13, 1867.

SHIRT-STUD.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE M. WHITE, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Shirt-Studs; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the back or inside,

Figure 2 a like view, the button turned so as to lock the stud in the button-hole, and in

Figure 3 a sectional view enlarged.

This invention relates to an improvement in the construction of studs or buttons for similar application, and consists in the peculiar construction whereby the stud is locked in the button-hole; and in order to the better understanding of my invention, as well as to enable others to construct the same, I will proceed to a description as illustrated in the accompanying drawings.

A is the button or plate formed with a shank, *a*, (see fig. 3,) projecting from the plate A, and to which said shank an elliptical-shaped plate, *d*, is fixed, and over the shank and between the plate A and the plate *d*, and of nearly the same form and size of the plate *d*, is arranged a bar, *f*, the said bar *f* formed and arranged so as to be turned upon the shank between the plates A and *d*, as from the position in fig. 1 to that seen in fig. 2. In the inside of the bar *f* is arranged a spring, as denoted in blue fig. 3, holding the said bar *f* in either of the two positions denoted in black and red in said fig. 3, or as denoted in fig. 2, the said spring bearing upon the sides of the square shank *a*. When the bar is in the position seen in fig. 1, insert the plate *d* and bar *f* through the button-hole, then turn the plate A one-quarter around, as from the position in fig. 1 to that in fig. 2; the bar *f* will remain stationary in the button-hole while the plates A and *d* are turned to the position seen in fig. 2, so that the plate *d* crosses the button-hole, and when desired to remove the stud, reverse the operation. Thus I have produced a stud which may be locked or unlocked without the necessity of touching the mechanism upon the back of the stud.

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

The bar *f* in combination with the plates A and *d*, constructed and arranged to operate substantially in the manner herein set forth.

GEO. M. WHITE.

Witnesses:

JOHN E. EARLE,

A. J. TIBBITS.