

F. J. Perkins,
Buttton.

No. 77313.

Patented April 23 1868

Fig. 1.

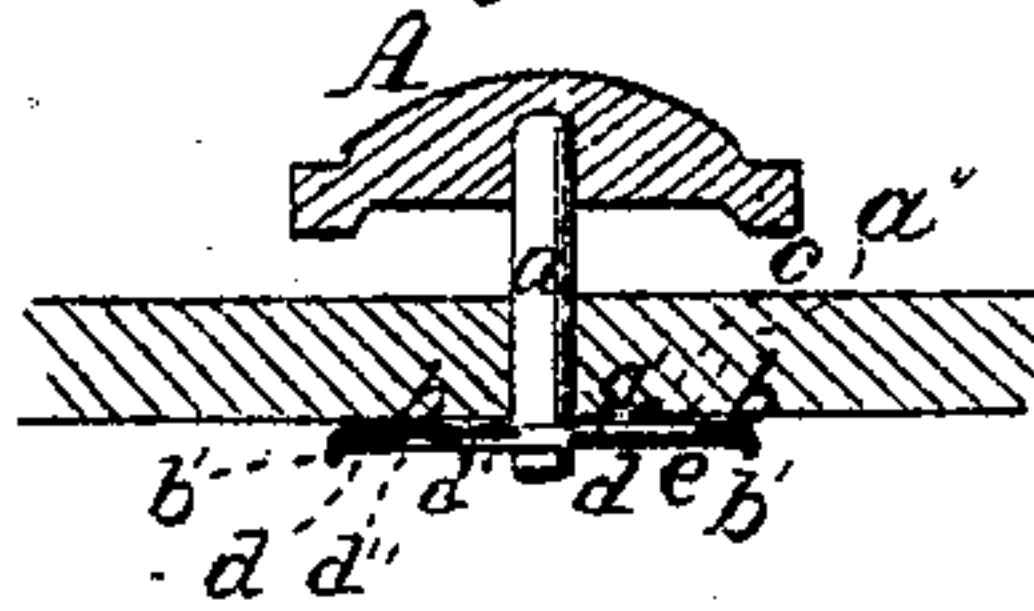
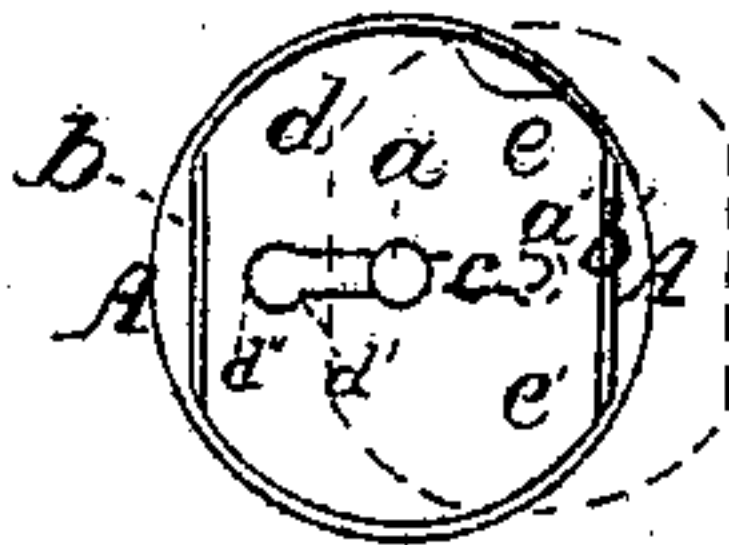


Fig 2.



Witnesses.

J. M. Coombs
A. Sellers

S. J. Perkins

Her Brown Corners
city

United States Patent Office.

F. J. PERKINS, OF SALEM, MASSACHUSETTS.

Letters Patent No. 77,313, dated April 28, 1868.

IMPROVEMENT IN BUTTONS.

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, F. J. PERKINS, of Salem, in the county of Essex, and State of Massachusetts, have invented a new and useful Improvement in Buttons; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a transverse section of a button made according to my invention.

Figure 2 is an inverted plan view of the same.

Similar letters of reference indicate corresponding parts in both figures.

The object of this invention is to provide a detachable button, which, when attached to a garment, will be held thereon with much greater security than is found practicable with others of its class hitherto devised, without being inferior in any respect to such others in the facility and convenience with which it may be applied to or removed from the garment.

The invention consists in the combination of a slotted disk, having two holding-lips, and a slotted locking-plate, so combined with the circumferentially-grooved stem of a suitable button as to effectually obtain the result mentioned.

To enable others to understand the nature and construction of my invention, I will proceed to describe it with reference to the drawings.

A represents the button itself, made of any suitable shape or material, and furnished at its inner side with a cylindrical metallic stem or shank, *a*, formed circumferentially, at the outer end of which is a groove, *a'*. Shown at *b* is a disk, the two opposite edges of which are made straight and parallel with each other, and turned outward at right angles to the flat surface of the disk, to form two holding-lips, *b'*, the purpose of which will presently herein appear.

Near one of the edges just mentioned of the disk is the enlarged end *a''* of a slot, *c'*, which extends inward to the centre of the disk, the enlarged portion *a''* being of such size that the end of the stem *a* may be passed through it, while the main or inner portion of the slot is of a width corresponding to the thickness of the stem at the groove *a'*.

Indicated at *d* is a plate, the two opposite edges of which are straight, and parallel with each other, and which is of such width that it may be fitted between the lips *b'* of the disk *b*, as presently explained, and has formed in it a slot, *d'*, corresponding in shape and size with that of the disk *b*, the enlarged outer end or portion of such slot *d'* being indicated at *d''*.

In order to attach the button to a garment, the disk *b* and plate *d* are removed from the stem *a*, and the stem is passed through the fabric, whereupon the disk *b* has the end of the stem passed through the enlarged portion *a''* of its slot *c'*, which being done, the plate is drawn to bring the stem to the inner end of the slot, with the edges at the sides of the slot situated in the groove *a'* of the stem. The outer end of the stem is then passed through the enlarged portion *d''* of the slot *d'*, in the plate, until the plate is brought to the groove of the stem, and is then pushed to bring the stem to the inner ends of its slot, with the edges of the slot in the groove, whereupon the plate springs down between the lips *b* of the disk, and rests snugly upon the surface of the latter, and is thus held from turning thereon, the slot *d'* being at that side of the stem *a* opposite to that at which the slot *c'* of the disk *b* is situated, in such manner that the portion *e'* of the plate *d*, by preventing the movement of the stem in the slot of the disk, effectually prevents the dislodgment of either the plate or the disk from the stem, so that the fabric of the garment, being situated between the disk and plate at the outer end of the stem, and the button at the opposite end thereof, as shown in red outline in fig. 1, the button is effectually secured to such fabric.

In order to detach the button, the portion *e'* of the plate *d* is forced away from the adjacent surface of the disk, and the plate is drawn laterally, to bring the stem to the enlarged portion of the slot of such plate, as indicated in blue outline in fig. 2, whereupon the latter may be slipped from the stem, and the disk, being no

longer locked upon the stem, may be readily detached therefrom, thus permitting the ready removal of the button from the garment.

What I claim as my invention, and desire to secure by Letters Patent, is—

The disk *b*, formed with parallel lips *b'*, in combination with the plate *d*, having parallel straight sides, and each slotted, as described, for application to the circumferentially-grooved stem *a* of the button, essentially as shown and set forth.

F. J. PERKINS.

Witnesses:

• WILLIAM ARCHER,
BENJ. K. RADFORD.