

No. 775,457.

PATENTED NOV. 22, 1904.

J. V. PILCHER.
BUTTON.

APPLICATION FILED JULY 21, 1904.

NO MODEL.

Fig. 1

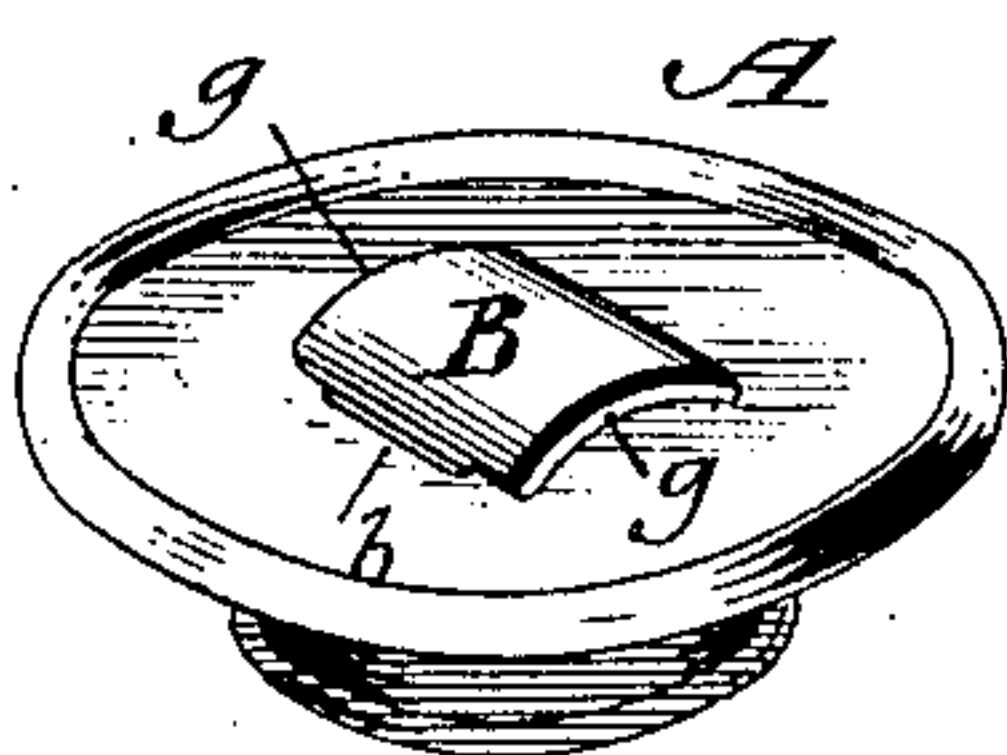


Fig. 2

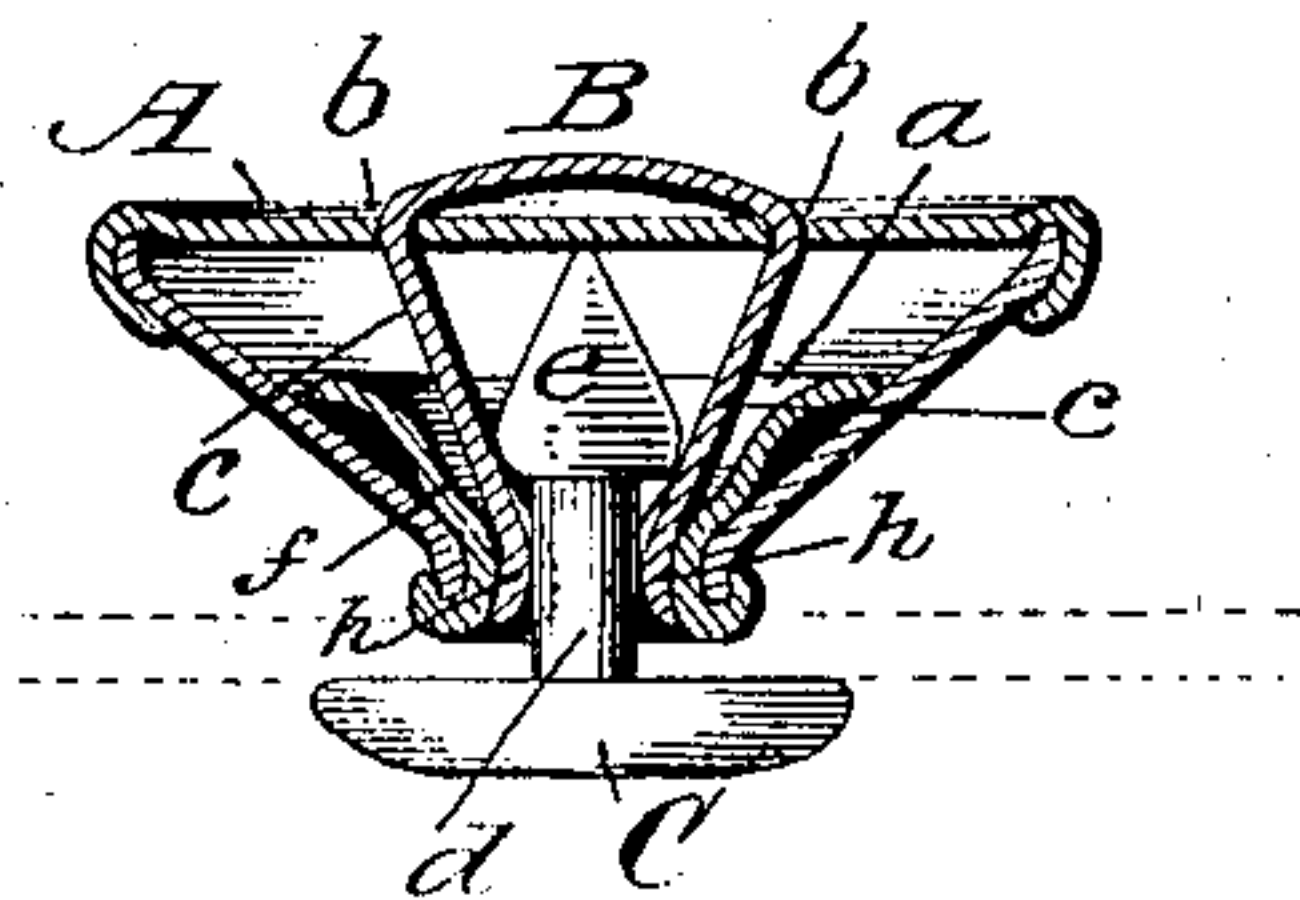


Fig. 3

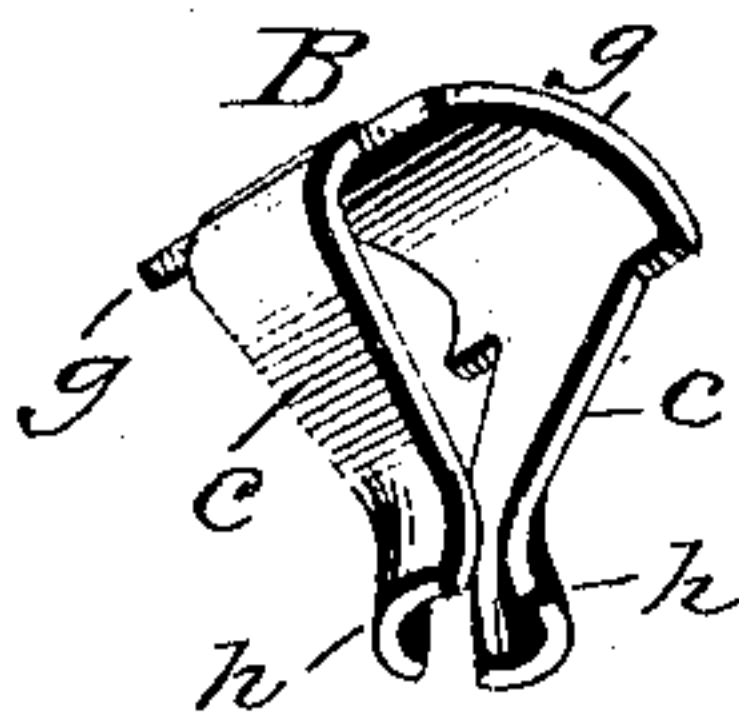
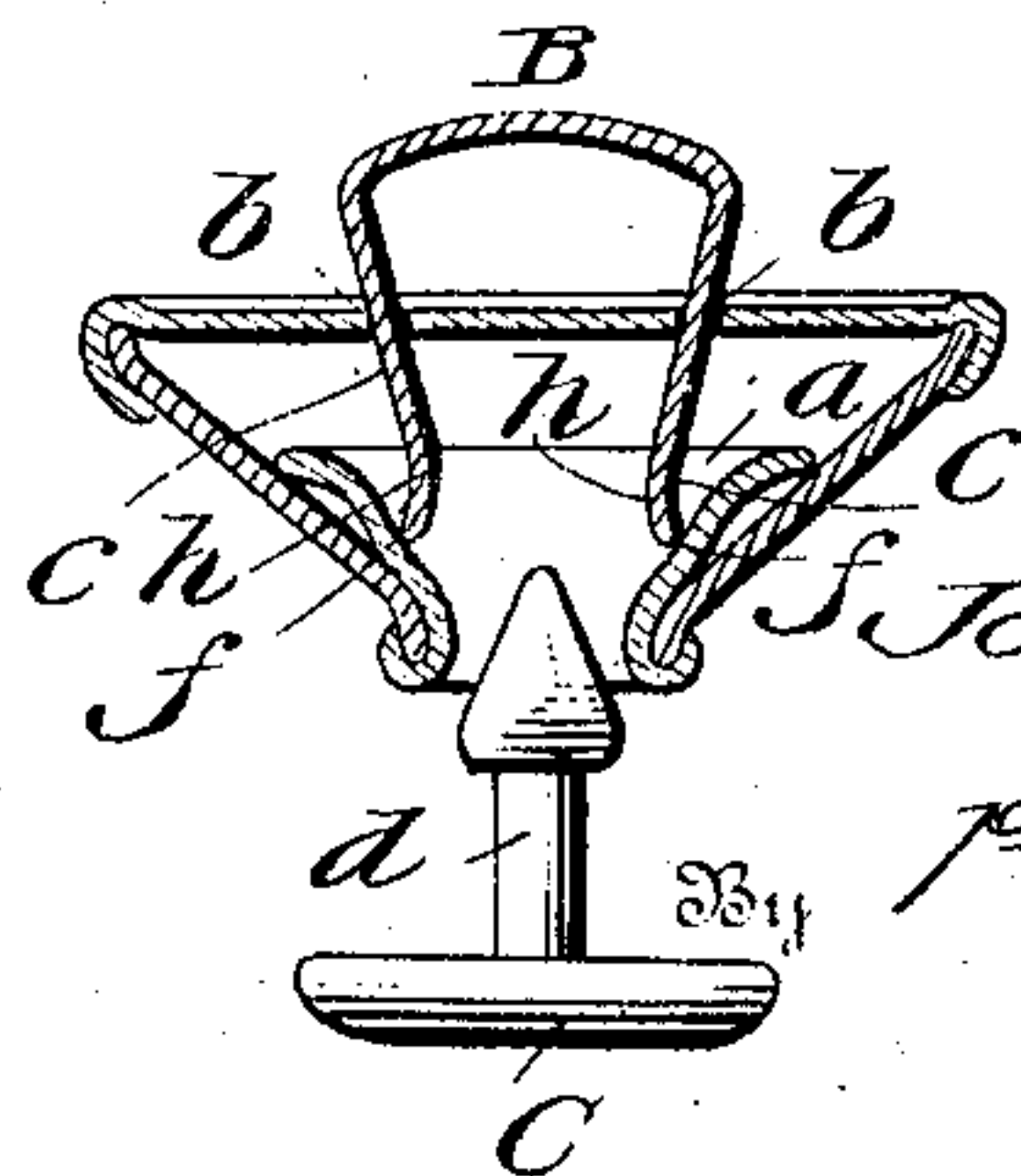


Fig. 4



Witnesses

W. Williamson
M. E. Moore

Inventor

J. V. Pilcher

per Cha. N. Fowler

Attorney

UNITED STATES PATENT OFFICE.

JOHN V. PILCHER, OF LOUISVILLE, KENTUCKY.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 775,457, dated November 22, 1904.

Application filed July 21, 1904. Serial No. 217,444. (No model.)

To all whom it may concern:

Be it known that I, JOHN V. PILCHER, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements 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 annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has reference to that class of separable buttons in which the same may be readily attached to or detached from a garment through the means connecting directly with the button, such as embodied in my former patent, dated June 5, 1894, No. 521,042, and in which the present invention is an improvement thereon, whereby its effectiveness is materially enhanced.

The invention consists in a button constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a perspective view of the head of the button; Fig. 2, a sectional view thereof, showing the base and shank in elevation and connected to the button-head; Fig. 3, a perspective view of the key which locks the button-head to the shank. Fig. 4 is a view similar to Fig. 2, showing the locking-key in its outer position.

In the accompanying drawings, A represents the button-head of any preferred shape and constructed in any desirable manner, said button-head having upon its interior a guide-ring *a*, secured thereto as found best adapted to the purpose.

The button-head A has elongated slots or openings *b*, through which pass the legs *c* of a locking-key B, shown in detail in Fig. 3 of the drawings. The extremity of the legs *c*, as indicated at *h*, are concavo-convex to embrace the shank *d* of the base C, the convex or outer portion of the extremities of the legs bearing against the inner side of the guide-ring *a*, thereby securing a perfectly firm and rigid support for the legs of the key.

The guide-ring *a* prevents the locking-key B from tipping over when raised, as seen in Fig. 4, and when the base C and shank *d* are

not connected therewith—as, for instance, when the key is raised in order to release the base and shank—there would be nothing to support the key in an upright position, and consequently it would topple over and assume an angle to a perpendicular, in which case the introduction of the pointed head *e* of the shank *d* would be on the outside of the legs *c* of the key B instead of between them, and in consequence the pressing down of the key would simply bend the legs thereof out of shape without locking the button, which would result in injury to the same.

A guide-ring is not only provided to guide the movement of the key, but the ring is formed with a circular recess *f* just above the lower portion thereof or the narrowest part of the neck of said ring, so as to allow the legs *c* of the key B to separate sufficiently to admit the pointed head *e* of the shank *d* to pass between them.

While the recess above referred to allows the legs of the key to separate for the purpose hereinbefore stated, the key is prevented from toppling over by that part of the guide-ring immediately above the recess.

The height to which the key may be raised is limited by its shape and the limited size of the slot or opening *b*, through which the legs of the key pass.

That portion of the key extending upon the outside of the button-head has outwardly-extending wings *g* to enable the key to be conveniently raised with the finger-nails by extending the nails under the two projecting wings.

In describing the several details of construction I wish it understood that many changes and modifications may be made in the invention without departing from the essential features thereof, and any such changes as would come within ordinary mechanical judgment may be resorted to without extending beyond the scope of the invention.

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

1. In a button, the combination with a suitable base and pointed shank, of a button-head having guide-ring therein and a movable key

connecting therewith and extending into the head and adapted to engage the shank to lock the base thereof and the button-head together, substantially as and for the purpose set forth.

5 2. In a button, the combination with a base and shank, of a button-head and a movable key having depending legs, and a guide-ring within the button-head having a recess to hold the legs in position while the shank is being
10 inserted, substantially as and for the purpose described.

3. In a button, the combination with a suitable base and shank, of a button-head and a movable key therefor, said key having de-
15 pending legs which are concavo-convex at their extremities and adapted to engage the shank, substantially as and for the purpose specified.

4. In a button, a suitable base and shank and a button-head having slots or openings 20 therein and a movable key with depending legs extending through the slots or openings, said key having outwardly-extending wings, substantially as and for the purpose set forth.

5. In a button, a base and shank in combi- 25 nation with a button-head having guide-ring with recess, and a movable key for locking the shank of the base in engagement with the button-head, substantially as and for the purpose described. 30

In testimony whereof I affix my signature in presence of two witnesses.

JOHN V. PILCHER.

Witnesses:

RENE HUNTER,
A. P. VIRDEN.