

(No Model.)

T. E. ANDERSON.
SEPARABLE BUTTON.

No. 521,776.

Patented June 26, 1894.

Fig: 1

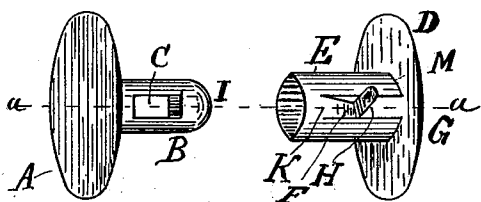


Fig: 2.

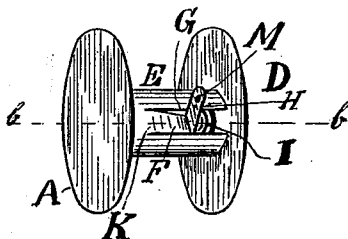


Fig: 3.

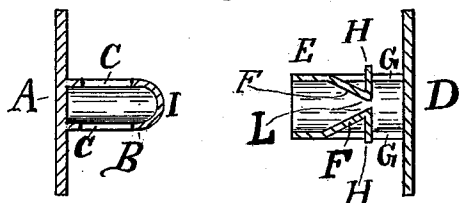
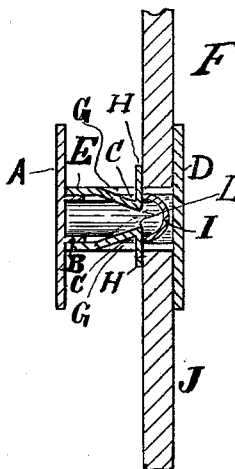


Fig: 4.



WITNESSES:

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THOMAS E. ANDERSON, OF JACKSON, TENNESSEE.

SEPARABLE BUTTON.

SPECIFICATION forming part of Letters Patent No. 521,776, dated June 26, 1894.

Application filed May 26, 1893. Serial No. 475,650. (No model.)

To all whom it may concern:

Be it known that I, THOMAS E. ANDERSON, a citizen of the United States, residing at Jackson, in the county of Madison and State of Tennessee, have invented certain new and useful Improvements in Separable Buttons; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in buttons of the class known as separable buttons.

The object of my invention is to provide a simple, cheap and handy garment button which may be secured to a garment without the use of thread and needle, or any tool whatever, and may also be removed from one garment and secured to another, and thus outlast several garments. I attain this object by the novel construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1, is a perspective view of my button separated. Fig. 2, is a perspective view of the button put together as when in use on a garment. Fig. 3, is a sectional side view of Fig. 1, on the line *a, a*. Fig. 4, is a sectional side view of Fig. 2, on the line *b, b*, with a piece of cloth added to it to illustrate how the button is secured to a garment. In all the views the button is enlarged for the sake of clearness.

Referring to the drawings by letters of reference, A, designates the front disk of the button to which is centrally secured the tube B, which is provided at its sides with two oppositely located apertures C, and has its free end I, rounded as shown; it may not be necessary in all cases to have the end closed entirely but simply rounded enough to give stiffness to the tube and facilitate its insertion into the opposite tube E, which is centrally secured to the rear disk D, of the button and is provided with oppositely located slots or apertures G, in which I place a pair of spring hooks F, adapted to engage the apertures C,

in the tube B, when the latter is inserted into the tube E, as shown in Figs. 2, and 4.

The spring hooks F, may be formed of separate pieces of metal and soldered or riveted to the front portion of the tube E, but I prefer to form the spring hooks of the strips or tongues punched out of the slots G, by severing the metal at the two sides and at the rear end of the slot and leaving it solid with the tube at the front end of the slot as shown at the point K, in Figs. 1, and 2. These tongues are formed into a pair of foot-shaped hooks F, which in their normal position close their heels L, almost together in the center of the tube E, bringing their toes H, almost retracted into the slots G, thereby facilitating the introduction of the tube E, into the cloth of the garment; when the tube B, is pressed into the tube E, its rounded end I, spreads the hooks F, until the free end of the tube E, stops against the disk A, then the heels L, spring partly back into the apertures C, in the tube B, and lock the button together. The apertures C, are however of such exact size as to receive only enough of the heels L, to lock the button. This causes the toes H, to project considerably out beyond the sides of the tube E, where they serve to hold the cloth J, against the rear disk D, of the button (as best shown in Fig. 4), thereby leaving the front portion of the tube E, ready for receiving the button hole of the garment.

In operation when the button is to be secured in a garment a small hole is formed in the garment by forcing into the cloth the point of a lead pencil, a nail or other bodkin-like object, the tube E, is inserted in the hole and the cloth moved closely up against the rear plate D, the smaller tube B, is then inserted into the tube E, and pushed in as far as it can go. If the cloth J, is very thin the toes or arms H, may be bent toward the cloth by a pocket knife or other hard object.

To separate the button, it is done by taking hold of the arms H, and pulling them outward until they disengage the tube B, which will then together with the disk A, drop away from the rest of the button. If the spring hooks offer too much resistance to be spread by the fingers, nippers or tweezers may be used or where such are not at hand, a string

or wire or nail point may be inserted in the holes M, provided in the toes H, and the spring hooks spread by pulling on the string or wire, &c.

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

1. The separable button consisting of a front and rear solid disk having centrally projecting rigid cylindrical tubes fitting into
10 each other, the inner tube having apertures in its sides and the outer tube having oppositely located foot-shaped spring hooks moving in apertures in the sides of the tube and
15 engaging with their inner and heel-shaped portion the apertures in the inner tube, while their outer or toe portions engage the cloth of the garment on both sides of the stem and hold it against the rear disk, substantially as
20 shown and described and for the purpose set forth.

2. In a separable button, the combination of the solid disk A, the round-ended rigid tube B, having the oppositely located apertures C, with the solid disk D, having the
25 larger tube E, provided with the slots G; the foot-shaped spring hooks F, secured to the front portion of the tube and having the heel-

shaped curves L, for engaging the apertures C, in the tube B, and the outwardly projecting toes or arms H, for retaining the cloth in
30 which the button is secured, against the rear disk of the button; said spring hooks being adapted to close inward to let the cloth pass over them, and then to be held outward by
35 the inner tube in which they interlock and also being provided with the holes M, substantially as and for the purpose set forth.

3. In a separable button, and as an article of manufacture, the combination of the front
40 disk A, having the stem B, provided with notches or apertures as C, with the rear disk D, having a tube as E, provided with spring hooks as F, H, for engaging the inner tube B, and the cloth in which the button is secured;
45 said spring hooks being formed by punching out tongues in the sides of the tube and bending them into the shape shown substantially as set forth.

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

THOMAS E. ANDERSON.

Witnesses:

THOMAS J. MURRAY,
TAZWELL ROWLAND.