A. H. EDDY.

SEPARABLE BUTTON.

APPLICATION FILED MAY 2, 1922.

1,430,008.

Patented Sept. 26, 1922.

Fig. 1.

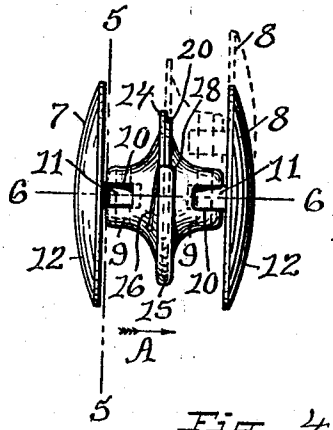


Fig. 2.

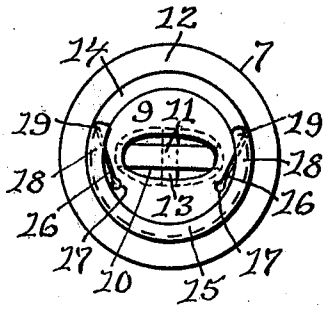


Fig. 3.

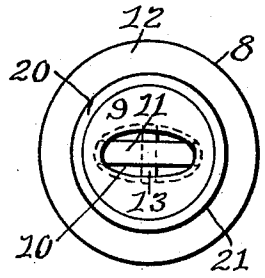


Fig. 4.

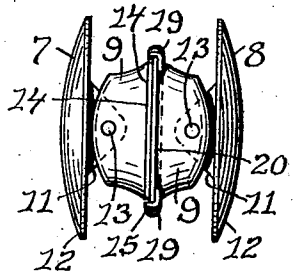


Fig. 5.

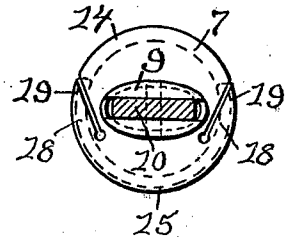
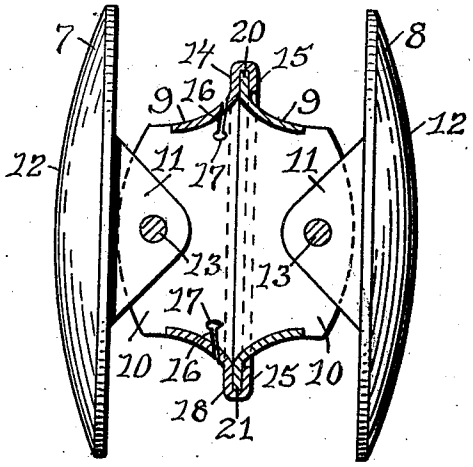


Fig. 6.



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UNITED STATES PATENT OFFICE.

ALBERT HENRY EDDY, OF EDGEWOOD STATION, RHODE ISLAND.

SEPARABLE BUTTON.

Application filed May 2, 1922. Serial No. 557,834.

To all whom it may concern:

Be it known that I, ALBERT HENRY EDDY, a citizen of the United States, residing at Edgewood Station, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Separable Buttons, of which the following is a specification.

In the usual construction of separable buttons, the parts are usually separated by a direct pull apart and are secured together by forcing the parts together on a line with the axis of the parts.

The object of my invention is to improve the construction of a separable button, whereby the parts are separated sidewise by sliding one part out of the other and secured together by sliding one part into the other.

A further object of my invention is to form a spring snap integral with one of the separable members, whereby when one of the members is slid into the other, it will snap into the other member and lock the members together, against a direct pull apart of the members.

Another object of my invention is to pivotally secure the heads to the posts or stems of the button members, thereby allowing the heads to swing on the button posts and making the buttons particularly adaptable to soft cuffs.

Another object of my invention is to produce such a separable button in which the hollow posts or shanks are practically smooth and continuous and in which there is no sidewise projecting members or protuberances to interfere with the button holes of the cuffs.

My invention consists in the peculiar and novel construction of a separable button, said separable button having details of construction, as will be more fully set forth hereinafter, and claimed.

Figure 1 is an edge view of my improved separable button in the closed position and showing one of the members in a partly separated position, in broken lines.

Figure 2 is an inner face view of the spring button member having the spring means for holding the other button member.

Figure 3 is a face view similar to Figure 2 of the inner fastening button member showing the rigid means which is slidably secured in the spring means of the spring button member.

Figure 4 is a side view of the separable button, in the closed position.

Figure 5 is a transverse sectional view taken on line 5, 5 of Figure 1, through the button looking in the direction of the arrow A and

Figure 6 is a central longitudinal sectional view through the button taken on line 6, 6 of Figure 1 and showing the pivoted button heads in full.

Figures 1, 2, 3, 4 and 5 are enlarged and Figure 6 is greatly enlarged.

In the drawing 7 indicates the spring button member and 8 the inner fastening button member of my improved separable button. Each member 7 and 8 has a hollow oval post 9 in the end of which is a slot 10 extending in the direction of the longer axis of the oval post. In each slot 10 is a lug 11 on the back of a button head 12. The lug 11 is pivotally secured in the slot 10 by a pivot pin 13, through the post 9 and lug 11, as shown in Figure 6. The inner end of the post 9 of the spring member 7 is formed into a flat circular end 14 having an inwardly turned over lip 15. in the form of a crescent, as shown in Figure 2. In the sides of the post at each end of the crescent is cut two slits 16, 16 each slit 16 extending at an angle from a small hole 17 to the ends of the lip 15, as shown in Figure 5, thereby forming the ends of the lip 15 into curved spring arms 18, 18 having ends 19, 19 which extend beyond the longitudinal axis of the oval post 9, as shown in Figure 2. The inner fastening member 8 has a flat circular end 20 forming a circular lip 21 which fits into a crescent shaped groove formed by the turned over lip 15 on the spring member 7.

The button members 7 and 8 are fastened together by sliding the end 20 of the member 8 over the end 14 of the member 7 and forcing the circular lip 21 by the spring arms 18, 18 of the member 7 and into the crescent shaped groove under the crescent shaped lip 15 of the member 7. This first forces the spring arms 18, 18 apart which then snap or closes around the edge of the circular lip 21, thereby fastening the members together, in one operation. The members of the button are separated by a reversal of this operation.

When in use in the button holes of a soft

cuff, the heads of the button will pivot on the button posts, thereby allowing the button heads to conform to the shape of the cuffs.

Having thus described my invention I claim as new:

1. A separable button having laterally separable posts, one post having an inwardly turned over crescent shaped lip and spring arms formed integral with the post, the other post having a circular lip adapted to be forced by the spring arms and under the crescent shaped lip on the first mentioned post and a button head pivotally secured to each post, whereby the separable members of the button are locked together against a direct pull apart of the members.

2. A separable button particularly adapted for soft cuffs and having laterally separable posts, one post having a circular end with an inwardly turned over crescent shaped lip, spring arms formed integral with the post, the other post having a circular end on which is a circular lip adapted to be forced by the spring arms and under the crescent shaped lip on the first mentioned post, and a button head pivotally secured to each post, whereby the separable members of the button are locked together against a direct pull apart of the members and the button heads will adjust themselves to the shape of soft cuffs.

3. In a separable button having laterally separable posts, spring arms formed integral with one of the posts for holding the posts together, of a button head pivotally secured to the outer end of each post, said button heads having a lateral swinging movement on said posts for the purpose, as described.

4. A separable button having separable posts, means for detachably securing the inner ends of the posts together, a head on the outer end of each post and adapted to have a lateral movement on the posts and means for pivotally securing the heads to the posts, for the purpose as described.

In testimony whereof, I have signed my name to this specification.

ALBERT HENRY EDDY.