

March 12, 1940.

H. L. N. THOR

2,193,605

BUTTON

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Fig. 1.

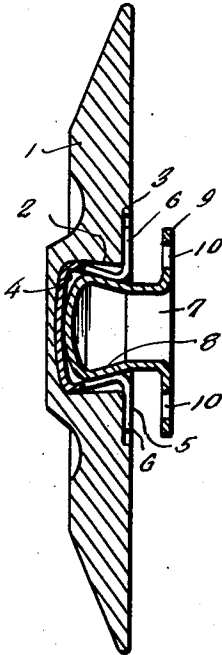


Fig. 2.

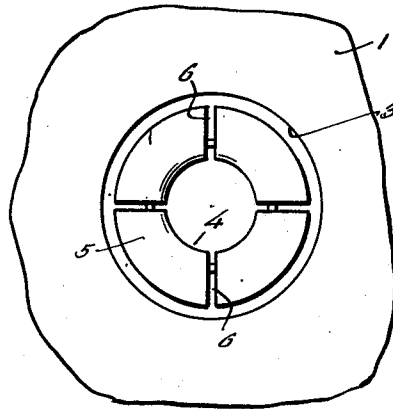


Fig. 3.

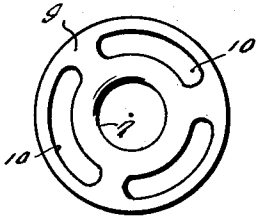


Fig. 4.

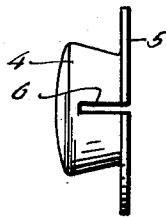
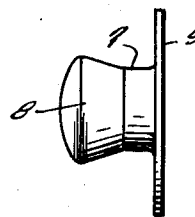


Fig. 5.



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UNITED STATES PATENT OFFICE

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BUTTON

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Application September 8, 1938, Serial No. 229,035

1 Claim. (Cl. 24-108)

The present invention relates to new and useful improvements in buttons for use particularly on women's apparel and has for its primary object to provide, in a manner as hereinafter set forth, an article of this character embodying novel attaching means whereby the button may be expeditiously removed when desired, as when the garment is to be laundered or ironed.

Another very important object of the invention is to provide a removable button whereby buttons of different colors, materials, design, etc., may be mounted on the garment.

Other objects of the invention are to provide a removable button which will be comparatively simple in construction, strong, durable, neat and attractive in appearance and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a view in vertical section through an embodiment of the invention.

Figure 2 is a view in elevation, looking at the inner face of the button with the resilient socket therein.

Figure 3 is a detail view in rear elevation of the head or male member of the separable fastener.

Figure 4 is a detail view in side elevation of the socket member.

Figure 5 is a detail view in side elevation of the member shown in Figure 3.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a button 1 of any suitable material, color and design. Extending into the button 1 from the inner or rear face thereof is a socket 2. Encircling the socket 2 and communicating therewith is a recess 3 in the inner or rear face of the button 1. This is illustrated to advantage in Figure 1 of the drawing.

Fixed in the socket 2 in the button 1 is a resilient socket member 4 of suitable metal. The socket member 4 comprises an outturned flange 5 which is engaged in the recess 3 in the button 1. Extending into the socket member 4 from the periphery of the flange 5 is a plurality of slots 6 to permit expansion of said socket member. As also shown to advantage in Figure 1 of the drawing, the periphery of the flange 5 is normally

spaced from the peripheral wall of the recess 3 for allowing the socket member 4 to be expanded.

The reference numeral 7 designates a male member through the medium of which the button 1 is detachably secured to a garment (not shown). The male member 7 comprises a substantially tapered head 8 which is engageable in the socket member 4. The male member 7 further includes an outturned flange 9 on one end having circumferentially extending slots 10 therein through the medium of which said male member 7 is permanently sewed to the garment.

It is thought that the invention will be readily understood from a consideration of the foregoing. Of course, the male member 7 is permanently stitched to the garment. Then, to mount the button 1 on the garment, said button, with the socket member 4 therein, is attached to the male member 7, the female or socket member 4 expanding to permit the head 8 to enter. After the substantially tapered head 8 of the male member 7 enters the female or socket member 4, the split walls of said female or socket member 4 contract or return to substantially normal position in a manner to frictionally grip and retain said head 8. To remove the button 1 it is only necessary to pull thereon with sufficient force to expand the female or socket member 4 sufficiently to slip same off the head 8. As hereinbefore stated, the space between the peripheral wall of the recess 3 and the periphery of the flange 5 permits the expansion of the member 4. The member 4 may be fixed in the socket 2 in any suitable manner. For example, the member 4 may be inserted in the socket 2 and the inner portion of said member 4 then expanded for securing said member. The male member 7 may, of course, be secured to the garment or material in any suitable manner other than by stitching, such as by pressing.

It will thus be seen that a button has been provided which may be expeditiously removed when desired, as when the garment is to be laundered or pressed. Also, the detachability of the button permits the mounting of buttons of different designs, colors, materials, etc., on the garment.

It is believed that the many advantages of a removable button constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the article is as illustrated and described, it is to be understood that changes in the details of construction may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:

A solid button having a socket extending thereinto from the inner face thereof and further having a recess in its inner face encircling the socket and communicating therewith, a split, resilient socket member fixed in the socket and including an outturned flange engaged in the re-

cess, the periphery of said flange being spaced from the peripheral wall of the recess for allowing expansion of the socket member, and a male member adapted to be secured to a garment and including a head engageable in the socket member.

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