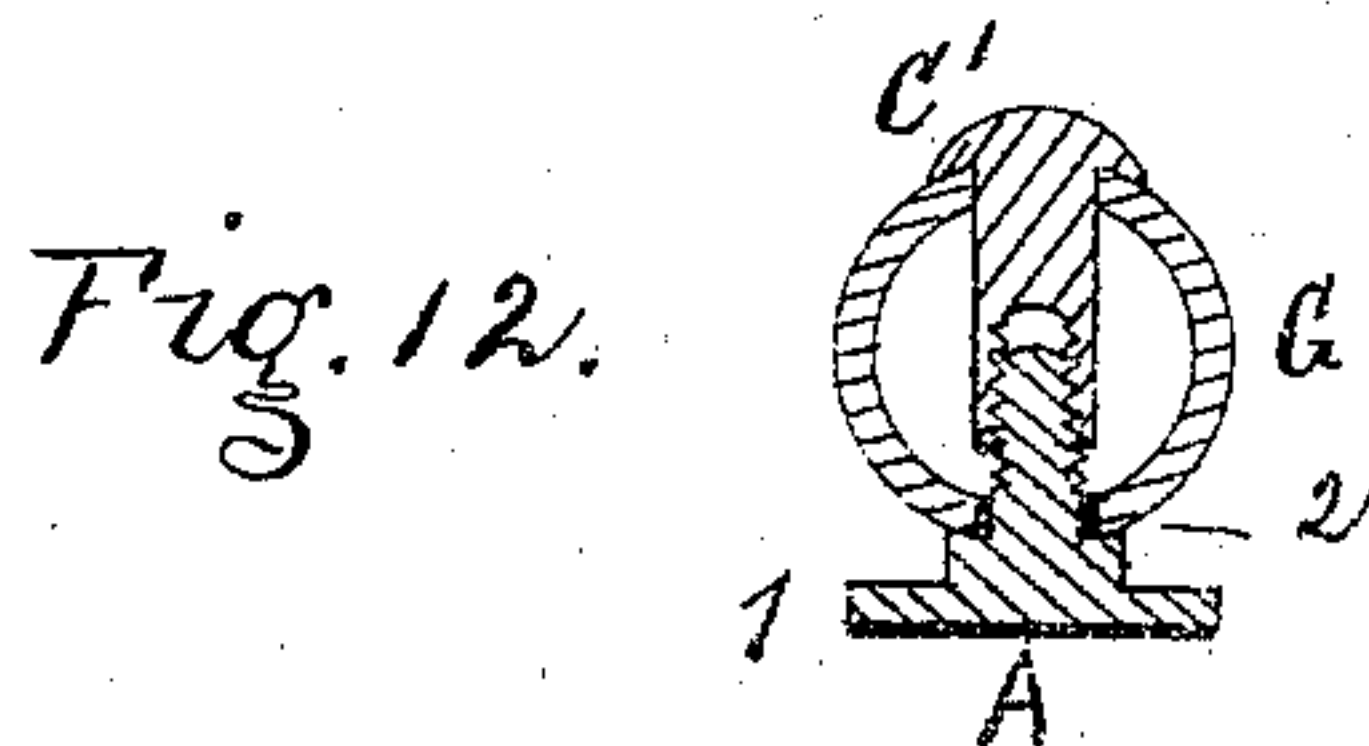
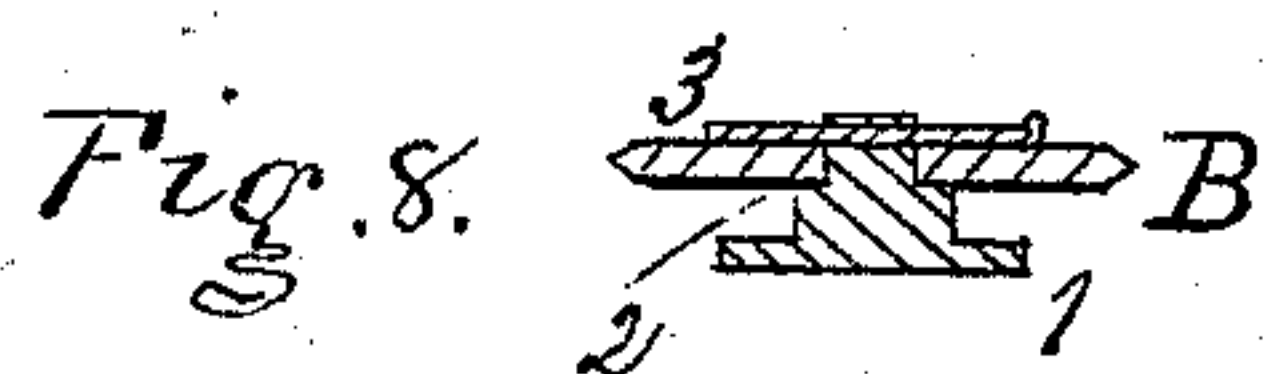
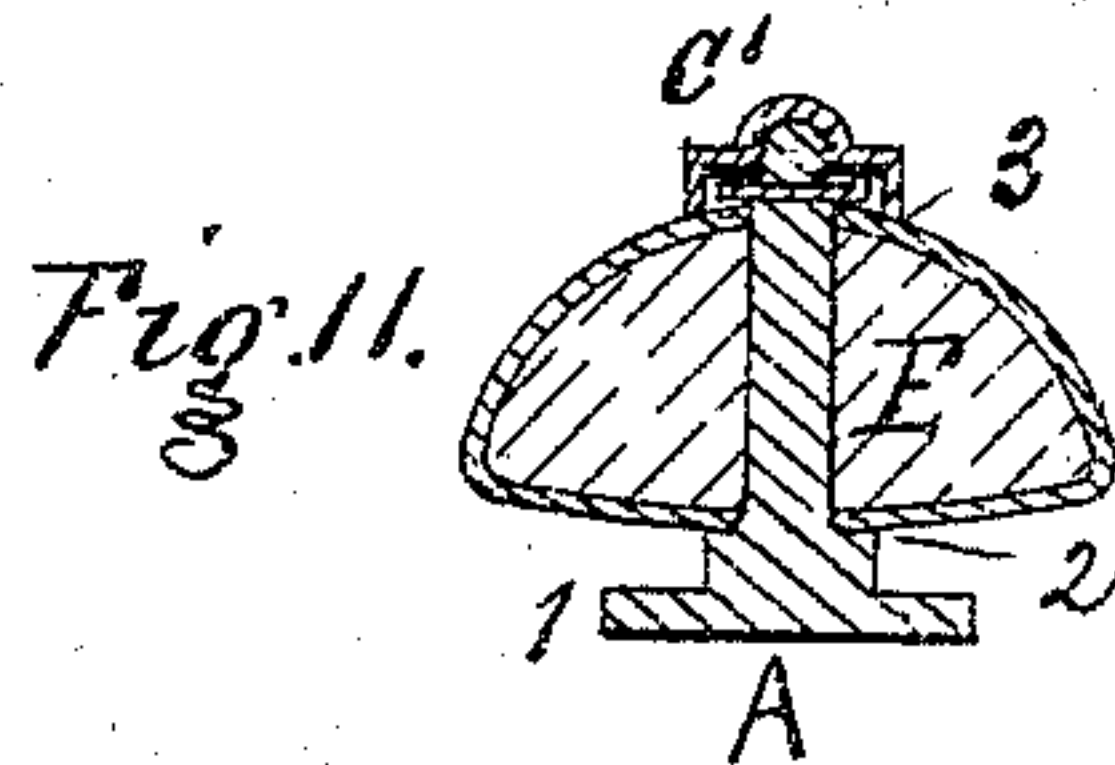
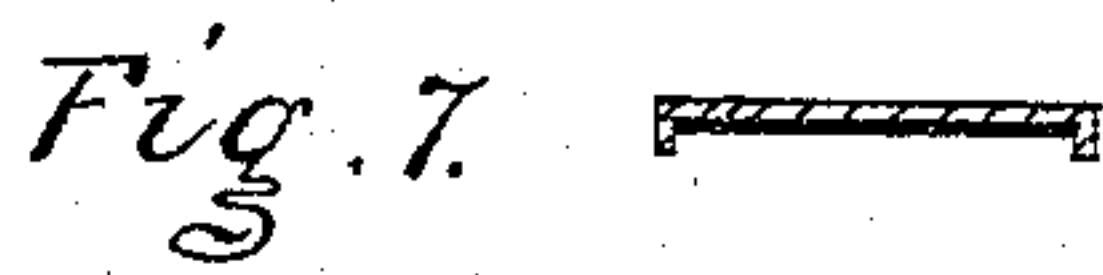
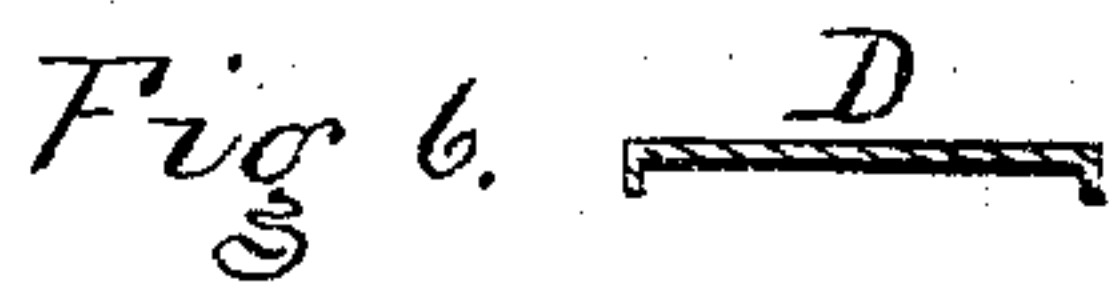
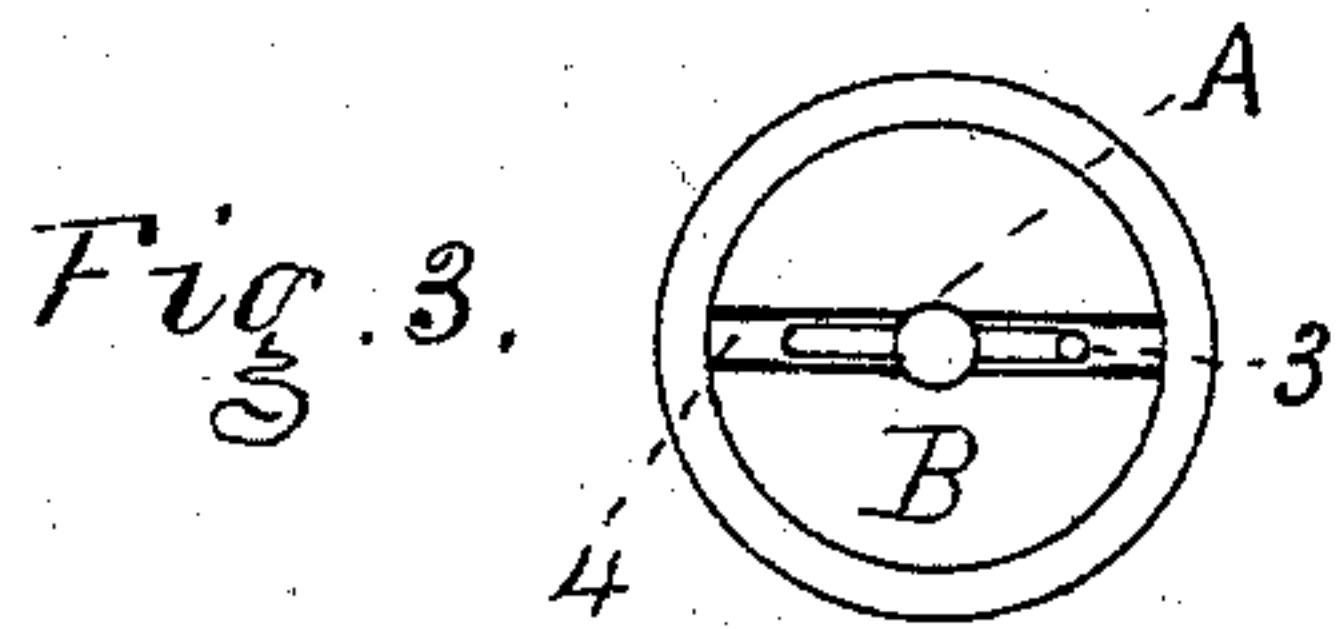
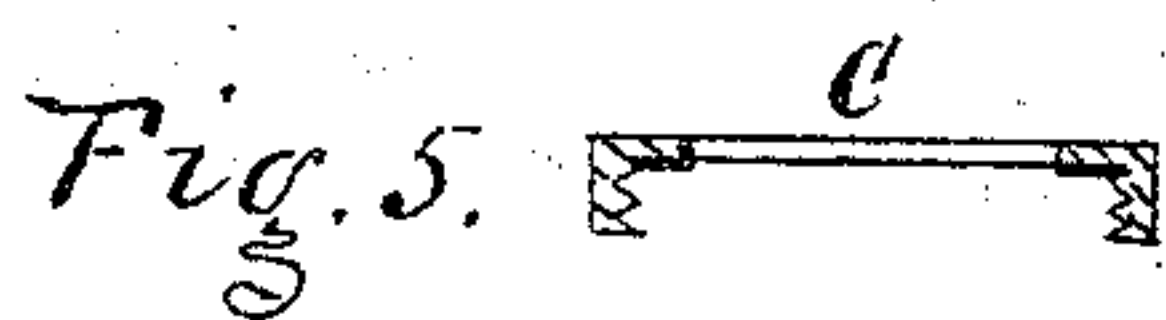
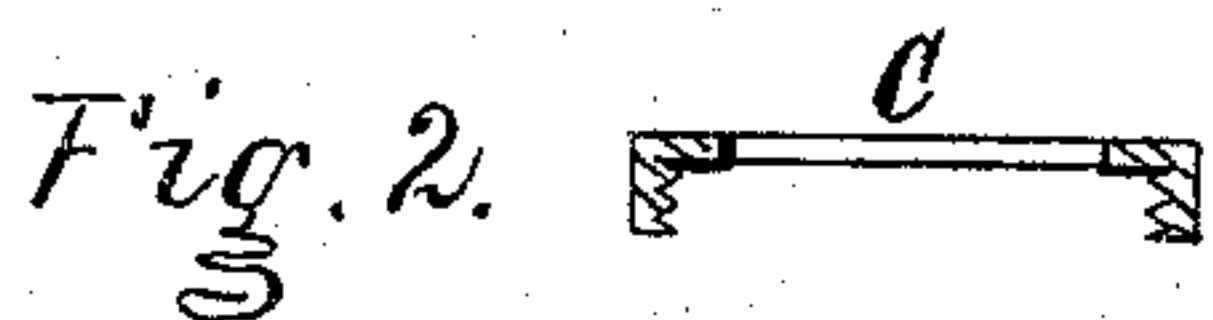
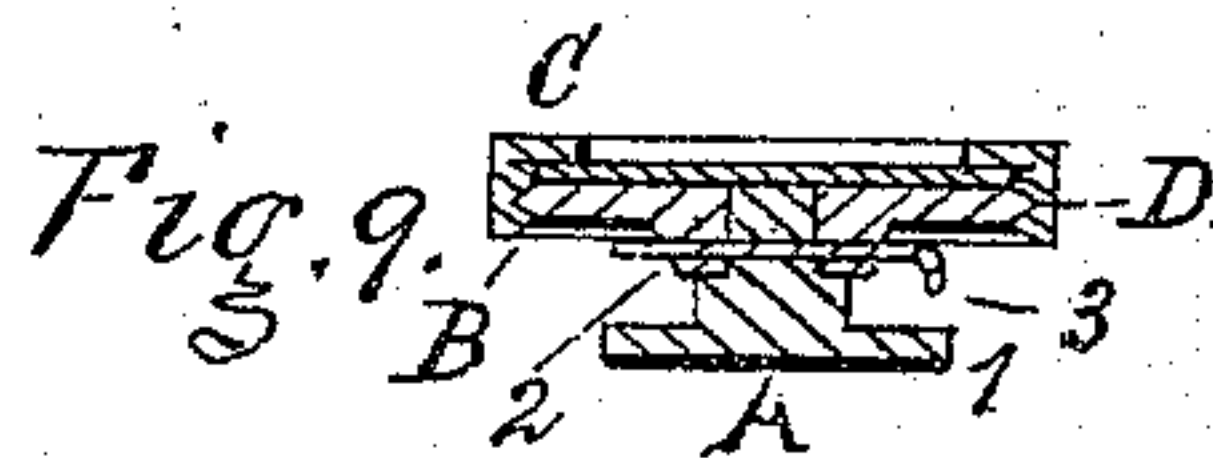
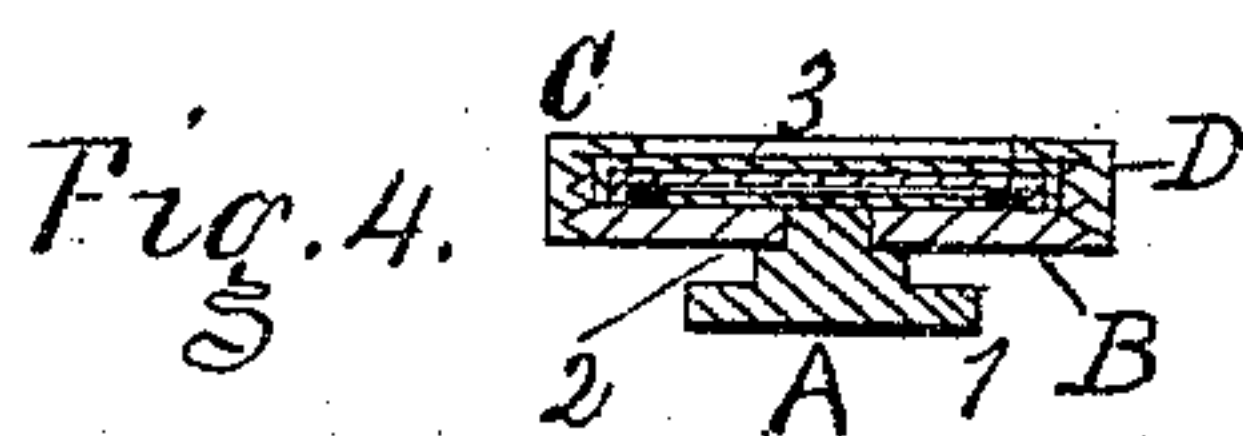
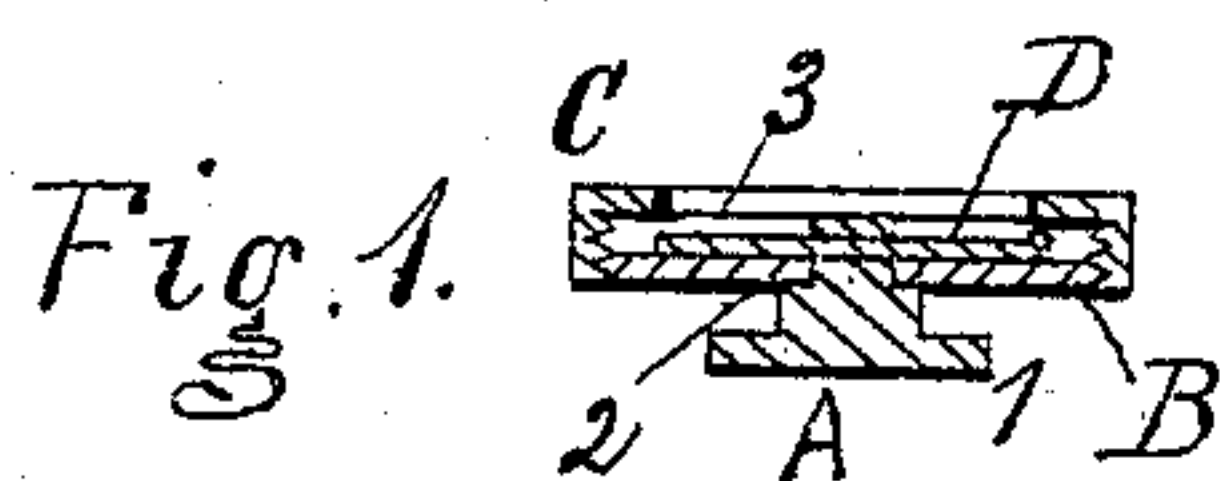


ANNA CATHARINE WILHELM.

Buttons for Garments.

No. 135,739.

Patented Feb. 11, 1873.



WITNESSES:

Benj Morison
Wm H. Morison.

INVENTOR

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UNITED STATES PATENT OFFICE.

ANNA CATHARINE WILHELM, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BUTTONS FOR GARMENTS.

Specification forming part of Letters Patent No. 135,739, dated February 11, 1873.

To all whom it may concern:

Be it known that I, ANNA CATHARINE WILHELM, of the city of Philadelphia, in the State of Pennsylvania, have invented certain Improvements in Buttons for Garments, of which the following is a specification:

My invention relates to a flanged shouldered stem, which forms the shank to be passed through the garment, a detachable pin, and a transverse hole in the end of the stem, in combination with a flat disk and an annular screw-cap, whereby the central or inclosed face of the disk forming the button proper can be readily renewed or changed by a change of a covering fabric of the said disk; the object of this part of my invention being to afford a detachable button applicable to a garment without sewing, the central portion of the face of which can, at any time, be varied by simply substituting one covering for another, as the ornamental style or fashion may, from time to time, require or using render necessary.

My invention also relates to a modification in the construction of the ornamental face of the detachable button, whether the latter be flat, plano-convex, lenticular, oval, or hollow sphere in form, by attaching, in a readily removable or changeable manner, an ornamental central cap to the end of the flanged shouldered stem or shank of the button, so as to clamp the disk, sphere, or other form of the button firmly between the latter and the shoulder of the shank; the object of this part of my invention being the same as that specified in the preceding paragraph.

Figure 1 is a diametrical section of the flanged shouldered stem, cross-pin, flat disk, annular screw-cap, and ornamental fabric adjusted together to form the complete button. Fig. 2 is a diametrical section of the detachable annular screw-cap detached. Fig. 3 is a plan view of the flat disk and annular screw-cap, showing the cross-pin in a groove of the flat disk as passed through the end of the stem. Fig. 4 is a diametrical section of the same button without the groove for the cross-pin. Figs. 5, 6, and 7 are, respectively, diametrical sections of the annular screw-cap, flexible fabric, and a fender-ring to isolate the fabric from the cross-pin. Fig. 8 is a section of the shank, flat disk, and cross-pin above the disk. Fig. 9 is a diametrical section of the same button with the

cross-pin in a tubular projection on the under side of the flat disk. Fig. 10 is a solid oval (in its transverse or diametrical section) bead applied as a button to the shank, and secured by a screw-cap on the end of the said shank. Fig. 11 is a diametrical section of a plano-convex covered button-mold, secured to the shank by a screw-cap, as in Fig. 10. Fig. 12 is a hollow bead or glass sphere, secured to the shank by a tubular screw-cap as a modification of the form of removably securing the button to the shank shown in Figs. 10 and 11.

The shank A has the flange 1 and shoulder 2, as shown in the drawing. The detachable pin 3 is inserted through a corresponding hole made transversely through the upper part of the stem of the shank A. In the flat-disk button, shown by Figs. 1 and 3, the pin is sunk in a groove, 4, made for the purpose in the upper side of the disk B. In Figs. 4 and 8 the pin is shown as in contact with the upper surface of the said disk B; and in Fig. 9 the pin is shown as in a tubular projection on the under side of said disk. In either case the result is the same, *i. e.*, the securing the disk B and the shank A adjustably or detachably together. The annular cap C is screw-cut around in the inner side of its flange, and the perimeter of the disk B is correspondingly screw-cut, so that the former can be readily applied by screwing it over the latter, and thus securing between them a disk of cloth, velvet, silk, or any other ornamental fabric, D, to produce the changeable face of the button whenever a change in the same may be desirable. It is important to have a uniformly-even surface for the fabric D to rest upon, and hence the groove 4 in Figs. 1 and 4 and the tubular projection in Fig. 9 for the reception of the cross-pin 3, both of which constructions leave the upper side of the disk B even; but in dispensing with the groove, as shown in Figs. 4 and 8, the pin 3 has to be covered by a ring or flanged disk, Fig. 7, in order to give the even surface desired for the fabric D. In either mode, however, a uniform even surface is afforded for the fabric D, which can be applied and changed, as wear, fancy, or fashion may suggest, by simply removing and re-applying the ring C with the new fabric between it and the disk B, and thus producing a newly-faced button at any time at a trifling cost.

The modifications of my improved button, shown in Figs. 10, 11, and 12, have the changeable central cap C' made to screw upon the end of the stem of the shank A, which projects upward through the button disk or bead sufficiently for the purpose of receiving the cap C' with the bead or mold, which forms the body of the button, between the said cap C' and the shoulder 2 of the shank A.

It will be seen that a detachable button with a renewable face or ornamental center can be produced by either of the modifications shown and described in the drawing and specifications herein set forth, thus affording change and variety in style without dispensing with the same shank and cap, and consequently at a trifling cost.

I do not desire to claim, broadly, a detachable button, nor, broadly, a shank and button-body detachably secured together, for attaching to and detaching from garments without

sewing or cutting, respectively, as these advantages have been attained before; but what I desire to secure by Letters Patent is confined to the following, viz:

I claim as my invention—

1. The shank A and detachable pin 3, in combination with the disk B, annular screw-cap C, and the changeable fabric D, the said parts being constructed and arranged, in their relation to each other, as and for the purposes hereinbefore set forth and described.

2. The shank A and detachable cap C', in combination with the changeable disk E or either of the beads F G, the said parts being secured together, respectively, substantially as and for the purposes hereinbefore set forth and described.

ANNA CATHARINE WILHELM.

Witnesses:

BENJ. MORISON,

WM. H. MORISON.