Feb. 26, 1952

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2,586,904

FABRIC COVERED BUTTON CONSTRUCTION

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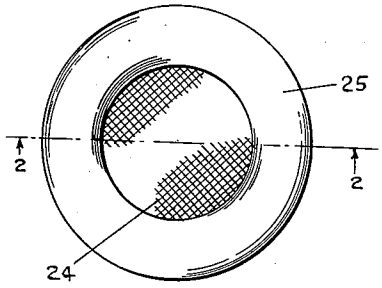


Fig. 1

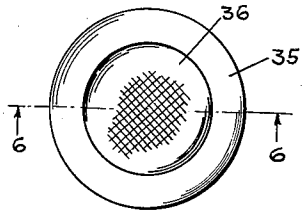


Fig. 5

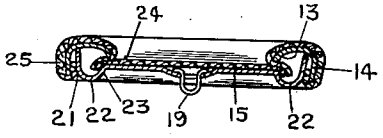


Fig. 2

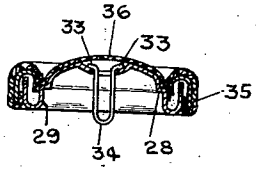


Fig. 6

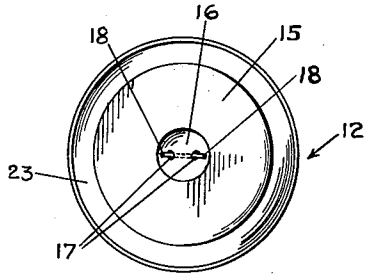


Fig. 3

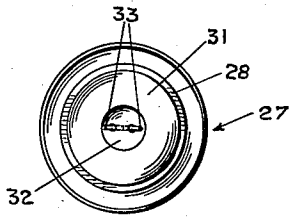


Fig. 7

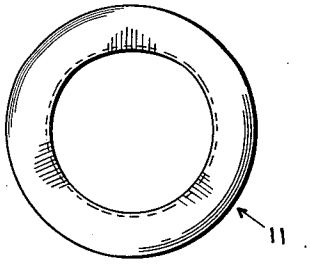


Fig. 4

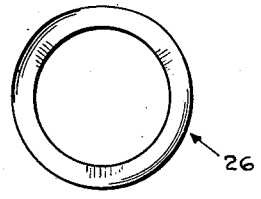


Fig. 8

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FABRIC COVERED BUTTON CONSTRUCTION

Lenard Baritz, New York, N. Y.

Application December 31, 1948, Serial No. 68,488

3 Claims. (Cl. 24—92)

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This invention relates to buttons, and relates more particularly to buttons covered wholly or in part with fabric or other suitable material for use on garments or the like for utilitarian or decorative purposes.

Certain forms of buttons have heretofore been produced with a top comprising an annular rim and a separate central portion positioned within the rim. Such buttons were usually covered with cloth or other suitable material. To this end a piece of covering cloth was placed about the annular rim and a piece placed within the collet underneath the central opening of the rim. The margins of the cloth covering the rim and the peripheral edges of the piece of fabric within the collet were then caused to be gripped between the rim and collet by a suitable swaging operation. It was often desirable to raise the plane of the cloth under the rim opening. In prior practice this was effected by placing a circular disk of binder's board, a form of cellulosic fibre board, of the desired thickness within the collet and placing the cloth thereon prior to assembling the button.

The use of the binder's board, however, is disadvantageous for the reason that, when the garment on which such a button is being used is subjected to a washing or dry cleaning operation, swelling of the binder's board occurs causing distortion of the button shape. Another factor which contributed to the undesirability of a button of this type was its difficulty in assembling its several parts. It is, accordingly, an important object of this invention to provide an improved button arrangement which will be free from the above-mentioned and other disadvantages and which will be especially simple in construction and which may be readily assembled.

In one aspect, this invention comprises the provision in a button arrangement of a novel collet construction which will obviate the use of a disk of binder's board for raising the plane of the cloth insert.

Other objects of this invention, together with certain details of construction and combinations of parts, will appear from the following detailed description and will be pointed out in the appended claims.

In the accompanying drawings wherein preferred embodiments of my invention are shown

Fig. 1 is a top plan view of an assembled button embodying the features of my invention,

Fig. 2 is a cross-sectional view thereof taken on line 2—2 of Fig. 1 in the direction of the arrows,

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Fig. 3 is a plan view of my improved collet,

Fig. 4 is a detailed view of the annular rim employed with the collet in assembling the button,

Fig. 5 is a top plan view of a button of somewhat modified construction,

Fig. 6 is a cross-sectional view of said modified button construction taken on line 6—6 of Fig. 5 in the direction of the arrows,

Fig. 7 is a top plan view of the collet employed in the modified button construction, and

Fig. 8 is a detail view of the rim employed with the latter collet.

Like reference numerals indicate like parts throughout the several views of the drawing.

Referring now to the drawings, and particularly to the embodiment of my invention shown in Figs. 1 to 4, the button comprises two main parts, namely, an annular rim generally indicated by reference numeral 11, and a collet generally indicated by reference numeral 12. The rim 11 is provided on its inner edge with a relatively short flange 13 and on its outer edge with a relatively long flange 14. The collet 12 is formed with a substantially circular body 15 having centrally thereof a recess 16 provided with two holes 17 which are adapted to receive the ends 18 of a metallic staple to form the button eye 19. Integral with the outer circumference of the body 15 is a flange 21. This flange first extends in a downward direction and then bends upwardly so that the bottom of the bend, indicated by reference numeral 22, is below the plane of the body 15. Thus, the plane of the body 15 is offset and may be raised or lowered relative to the button as a whole, as desired, by forming the flange 21 with a deeper or shallower groove 23, respectively. It is the provision of the raised central body 15 that obviates the use of a binder's board disk with its attendant disadvantages.

In assembling the button a piece of cloth or other suitable material 24 is placed upon the central body 15, a piece of the same or different material 25 wrapped about rim 11 and then by a swaging operation the inner edge of the material 25 and the circumferential edge of material 24 are gripped between flange 13 and body 15, while the outer edge of material 25 is gripped between flange 14 of the rim and flange 21 of the body 15.

In the embodiment of my invention shown in Figs. 5 to 8, the rim 26 is formed substantially the same as rim 11. The collet 27, however, is of somewhat different construction in that it is formed with a relatively narrow flat portion 28

adjacent to and concentric with flange 29 and the inner edge of the flat portion 28 has integral therewith a dome-shaped body 31. A recess 32 is provided at the apex of the dome for the reception of the ends 33 of button eye 34. In assembling this button, the rim 26 and the dome-shaped body 31 may be covered with the same or different materials 35 and 36, respectively.

It will be appreciated that the rim may be made of decorative metal and left uncovered and that any suitable material may be employed to cover body portions 15 and 31.

The embodiments of my invention shown and described herein are to be considered merely as illustrative, since my invention is susceptible to variation, modification and change within the spirit and scope of the appended claims.

What is claimed is:

1. A button comprising a top in the form of an inverted J-cross section annular rim and a collet associated in gripping relation with said rim, said collet having an annular flat band, a circumferential flange extending below the plane of said band, and a dome-shaped central portion extending above the plane of said band and cloth covering clamped between said flat band and the inside leg of the annular rim.

2. A button comprising a top in the form of an inverted J-cross section annular rim and a collet associated in gripping relation with said rim, said collet having an annular flat band, a circumferential flange, U-shaped in cross-section, extending below the plane of said band, and a dome-shaped central portion extending above the plane of said band and cloth covering clamped between said flat band and the inside leg of the annular rim.

3. A button comprising a top in the form of an inverted J-cross section annular rim and a collet associated in gripping relation with said rim, said collet having an annular flat band, a circumferential flange, U-shaped in cross-section, integral with said band and extending below the plane of said band, and a dome-shaped central portion extending above the plane of said band and cloth covering clamped between said flat band and the inside leg of the annular rim.

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