July 26, 1966 R. GILL 3,262,170

DOUBLE BUTTON

Filed Aug. 3, 1964 2 Sheets-Sheet 1

FIG.2

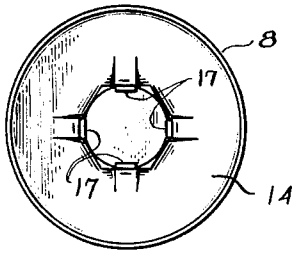


FIG.1

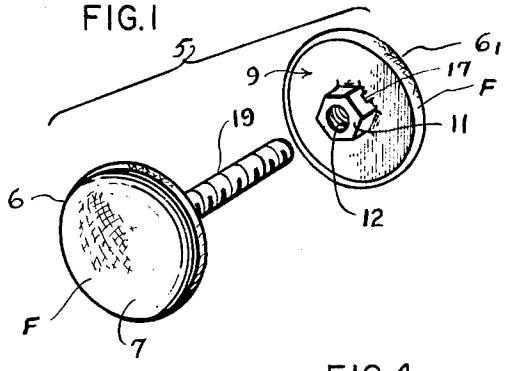


FIG.3

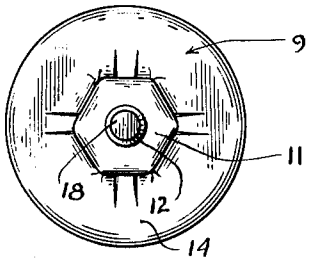


FIG.4

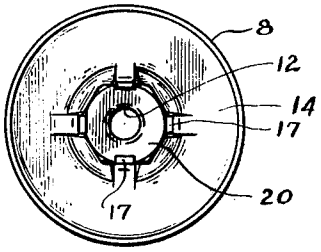
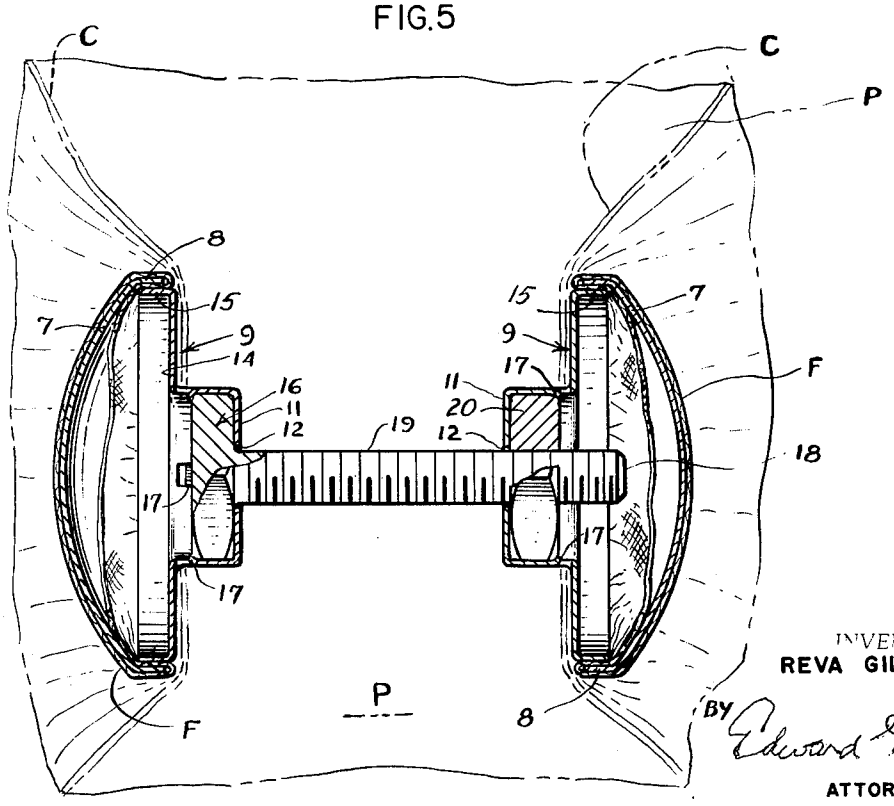


FIG.5



INVENTOR
REVA GILL

BY Edward G. Roe

ATTORNEY

July 26, 1966 R. GILL 3,262,170

DOUBLE BUTTON

Filed Aug. 3, 1964 2 Sheets-Sheet 2

FIG. 6

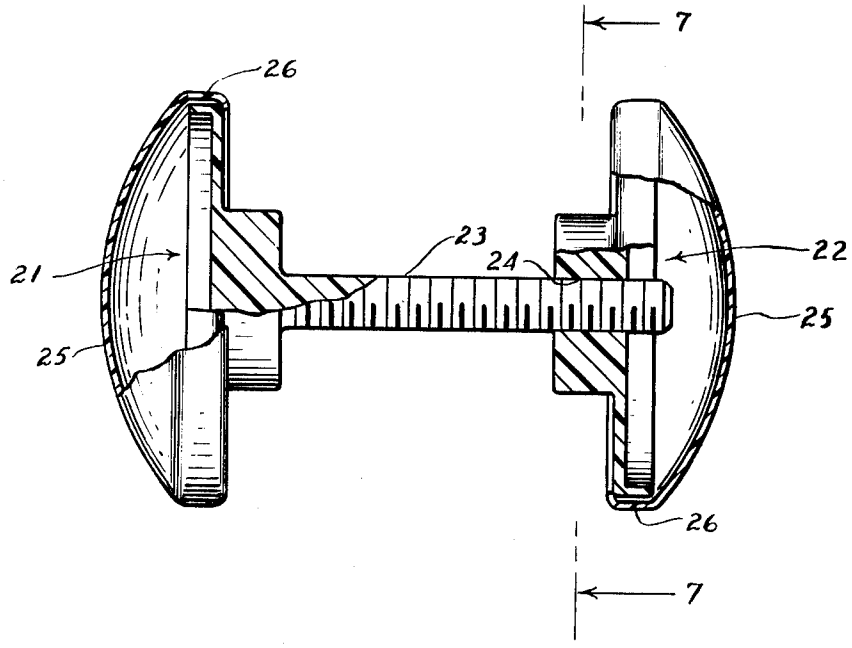
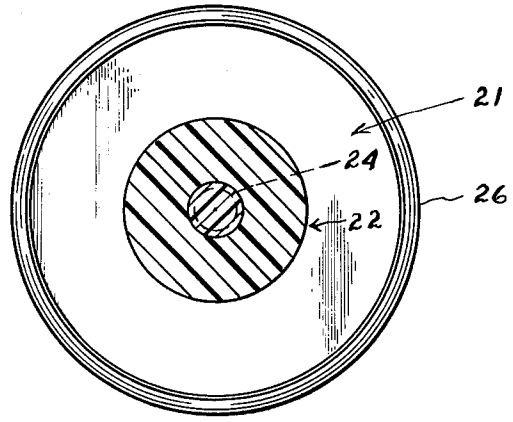


FIG. 7



INVENTOR.
REVA GILL
BY
ATTORNEY

United States Patent Office 3,262,170 Patented July 26, 1966

3,262,170

DOUBLE BUTTON

Reva Gill, 183—51 Dunlop Ave., Hollis, N.Y.

Filed Aug. 3, 1964, Ser. No. 386,816
2 Claims. (Cl. 24—105)

Generically, my invention relates to buttons and specifically to a decorative species which I may characterize as a screw type, which is adaptable for use as a single or double button for a wide range of decorative and other useful purposes.

One principal disadvantage of the presently utilized "tack back type" of button, a double button which has a projecting tack in one half which can be pressed into an orifice in the other half, is that, once joined together, the button cannot be separated without breaking the tack, or fracturing the orifice if it is necessary or desirable to clean the object in which the button is fastened, as for example in a pillow cover.

One principal object of my invention comprehends the provision of a double button of a screw type which can readily be fastened together and expeditiously separated when the object in which the button is fastened must be removed for cleaning, or when the button itself, which may be covered or otherwise decorated, requires change or cleaning.

Another object is a button, half of which can be used separately from the other as by using a short screw to securely position the button.

An additional object contemplates the provision of a button for making covers for decorative pillows, hassocks, cornices, chairbacks, bedboards, upholstered effect slip covers, all of them readily removable through use of the button for cleaning and/or change.

Still another object is a button useful as cufflinks and for wearing apparel including but not limited to hats, handbags, decorative belts and other accessories.

Another object envisions the ready separation of one half the button from the other half if change in color of the button, to match a color ensemble in room or dress or cleaning of an object or the button itself, is necessary.

These and other objects will be manifest.

The invention, briefly described, includes a mating pair of buttons, each having covers or heads which are susceptible of being decoratively covered or sprayed; matching bases having chambered casings, one fixedly holding a hex-headed screw and the other a nut. Other shaped casings and headed screws and nuts are of course within the scope of the invention, and the button base portions and covers may be molded, extruded or otherwise fabricated of man-made fibres, and various other refinements will be obvious.

To the accomplishments of the recited objects, and others coordinate therewith, the invention resides in the construction and arrangement of parts shown in the accompanying drawings, described in the following specification and embraced within the scope of the appended claims.

In the drawings:

FIG. 1 is an exploded prospective view of the button.

FIG. 2 is a rear elevational view of the stud end of the button with the button cover removed.

FIG. 3 illustrates a front elevational view of the button with the stud or bolt showing.

FIG. 4 is a rear elevational view of nut part of the button with cover removed.

FIG. 5 is a sectional view of the button assembly showing schematically in phantom lines one use of button on removable cover of pillow.

FIG. 6 is a sectional view of the button of plastic material, or of metals.

FIG. 7 is a sectional view taken on line 7—7 of FIG. 6.

Referring to the drawings, for purpose of explication, below are the numbered parts:

5—the button
6 and 6_1—the halves of the button
7—covers or heads of the button
8—rimmed flange of covers
9—the base
11—hex shaped integral chambered casing
12—orifice of casing 11
14—disc of base 9
15—wall upstanding from disc
16—hex headed stud
17—tabs struck from material of disc
18—end of stud or screw 16
19—threaded shank or post of stud
20—threaded nut
21—integral base of one half of button
22—other matching base
23—threaded shank of base 21
24—threads of base 21
25—covers
26—depending flange of covers 25
P—pillow
F—fabric
C—pillow cover

In the drawings, it is to be understood that like numbers refer to like parts.

In carrying out the invention, 5 designates the button, comprising halves 6 and 6_1, which includes covers 7, which may be decoratively covered as by fabric F, held by the depending rimmed flange 8 of the covers or heads 7, with the excess of fabric F confined within the covers 7. Or cover 7 may be sprayed, with no fabric covering.

Base 9, which may be stamped or otherwise fabricated of metal or, as will be hereinafter shown, molded, extruded or formed of man-made materials such as the trademarked products named "Teflon," "Delrin" or the like, is fashioned with centrally disposed hex-shaped chambered casings 11, orificed at 12, integral discs 14 and right angled peripheral walls 15.

Anchored in the casing 11 of button half 6, as by tabs or ears 17—see FIGS. 2, 3, 4, and 5—which may be die punched from the material of disc 14, is a hex-headed stud or screw 16, securely holding the stud 16 which has outer end 18, with the threaded shank 19 extending through orifice 12 of casing 11. Shank 19 is threaded to mate the threads of hex-headed nut 20, similarly anchored in the companion casing 11 of button half 6_1.

As depicted in FIGS. 6 and 7, the button may be formed of a pair of companion blanks 21 and 22 forming the bases, base 21 having integral threaded shank 23, threaded to mate the threads of the opposite half of the button, similarly threaded as at 24. In this embodiment the covers 25 have sufficient elasticity at the depending flange 26 to enable the folding of the cover material F and hold the cover onto the button, with the excess of material folded beneath the cover. In this embodiment, the blanks 21 and 22 may be formed of the hereinbefore man-made materials such as "Delrin," "Teflon," or the like, or of metals.

It is obvious from the showing in FIG. 5 that the button may be expeditiously connected and separated by turning the cooperating nut 20 to and from the threaded screw 19, or vice versa.

The button may be fabricated economically, and its adaptability to a wide range of application, characterized by capability of expeditious mounting and dismounting, its utility as a single or double button, makes possible a vast field of exploitation.

I have employed the button in many applications, and one example of the manifold uses of my button is depicted in FIG. 5, with the two halves shown fastening a decorative pillow cover C in position. When the cover C and/or button requires cleaning, a simple manipulation of the button **6**, 6_1, turning either half in a counter-clockwise direction, or both counter-clockwise, is all that is necessary.

I have employed the button in making removable covers for not only decorative pillows, as illustrated in FIG. 5, as an example of one of the manifold uses of the invention, but have made decorative covers for cornices, hassocks, chairbacks, bed headboards, upholstered effect slip covers, lamp shade covers, belts, and other apparel accessories, with the button providing interchangeability with covers of different colors and texture, to blend with the ensemble of the room, or apparel, as well as enabling the facile removal and separation of the button from the cover, chairback, or other object for cleaning of the button and/or cover.

When it is desired to use a half button, as for example in a chairback, I employ the half button with the seated stud **16** and a shorter length shank or threaded screw **19** and fasten with the screw only. To give the chairbacks an upholstered effect, I may utilize a padding which can be removed for cleaning after it has been inserted with a screw half of the button—numeral **6** of FIGS. 1 and 5, employing a shorter screw **19**.

For cornices, removable ones can be purchased commercially which are attached to the window with a screw on either side of the top of the window frame. A hook is attached to the cornice, thus securing it to the window to enable removal to effect change in removable covers as desired. To make removable covers, first make a design in the cornice and make holes through them, then insert screw **19** of button half **6**; pad with foam rubber or cotton batting and the screw **19** can be forced through either type used. Cover the button with muslin of the same design as has been made for the cornice, using eyelets. Slip screw **19** through the eyelets and then tack in the muslin firmly. Removable covers can be changed at will as will be understood by those skilled in the art.

As will be readily understood, when using half button **6**, the length of the shank **19** can be changed to suit the depth of the material in which it is to be seated, and in fabricating of man-made materials, the die can be changed to produce a screw of different lengths as desired.

I reserve the right to make such changes and modifications as may come within the scope of the appended claims. For example, I propose that not only the button shown in FIGS. 6 and 7 may be made of companion blanks of man-made materials and metals, but the button of FIGS. 1–5 may be similarly made.

I claim:

1. A double button of the class described comprising a pair of buttons of identical shape, each button comprising:

a centrally disposed, orificed, chambered casing, a disc integral therewith and having an upstanding peripheral wall extending oppositely from the said casing, and a cover thereover with a depending peripheral wall fitting over and detachably fastened to the peripheral wall of the disc,

one of the pair of buttons including:

a threaded stud having its head anchored in the chambered casing of the button, the threaded portion of the stud extending through the orifice of the casing,

the other of the pair of buttons including:

a nut threaded to mate the threads of the stud, said nut fastened in the chamber of the button, the threads of the nut being contiguous the orifice of the chamber,

whereby the buttons may be attached together and separated one from the other by turning the nut on and off the stud.

2. A double button as recited in claim **1** wherein a fabric or other material is fitted over the cover and wall and held by the periphery of the cover wall.

References Cited by the Examiner

UNITED STATES PATENTS

621,831	3/1899	Lee	24—105
677,265	6/1901	Perkins	85—53
949,897	2/1910	Higgin	85—35
1,708,735	4/1929	Overmyer	16—121
1,733,755	10/1929	Replogle	16—121
2,174,521	10/1939	Lancaster	24—105

FOREIGN PATENTS

69,122	6/1915	Austria.
378,640	7/1923	Germany.
8,872	1887	Great Britain.

WILLIAM FELDMAN, *Primary Examiner.*

E. SIMONSEN, *Assistant Examiner.*