Dec. 18, 1934. G. A. HOLMES 1,984,743

BUTTON

Filed Oct. 7, 1933

Fig. 1.

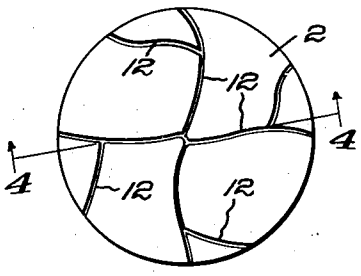



Fig. 2.

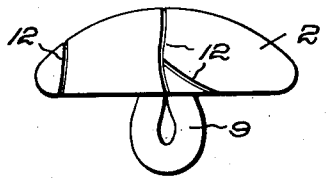



Fig. 3.

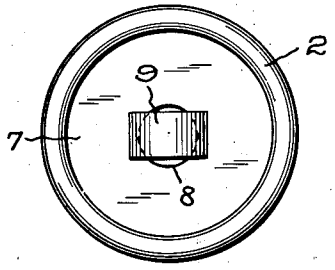



Fig. 4.

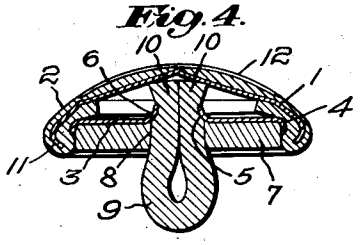



Fig. 5.

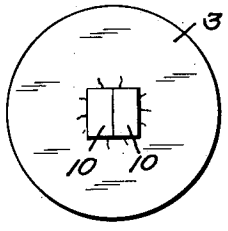
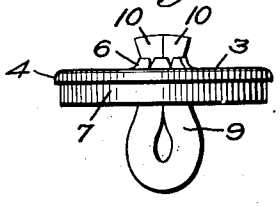



Fig. 6.




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by Walter S. Jones
Atty.

Patented Dec. 18, 1934 1,984,743

# UNITED STATES PATENT OFFICE

1,984,743

## BUTTON

George A. Holmes, Newton Center, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 7, 1933, Serial No. 692,641

9 Claims. (Cl. 24—113)

My invention aims to provide improvements in buttons and relates more particularly to improvements in leather covered buttons.

In the drawing, which illustrates a preferred embodiment of my invention:—

Figure 1 is a plan view of a preferred form of structure;

Fig. 2 is a side elevation of the button shown in Fig. 1;

Fig. 3 is a bottom plan of the button;

Fig. 4 is a section taken on the line 4—4 of Fig. 1;

Fig. 5 is a plan view of the button back assembly; and

Fig. 6 is a side elevation of the button back assembly.

The particular embodiment of my invention selected for illustration by the drawing is in the nature of a leather button constructed to present the appearance of a woven leather button. For the purposes of description I shall divide the button into two units which may be made up of several elements. One of these units I shall term the top assembly and the other the back assembly.

The top assembly includes a metal shell or cap 1 which is covered with a flexible material, such as leather, 2, as best illustrated in Fig. 4. The leather top 2 completely covers the outer surface of the cap 1 and has its peripheral portion wrapped over the edge of the cap and concealed within the cap.

The back assembly includes a metal disk 3 (Figs. 4 and 6) having a downwardly extending rim 4 at its outer periphery. The disk 3 is perforated at its center to provide an opening 5 and that opening is surrounded by a wall 6 formed from the material adjacent to the opening 5. The back assembly also includes a leather disk or ring 7 which has one face bearing against the metal disk 3 and is of such diameter that it may be surrounded by the rim 4 of the disk 3, as clearly shown in Figs. 4 and 6. The leather disk 7 also has a central aperture 8 in alignment with the aperture 5 in the metal disk 3. A flexible sew-on loop 9, preferably of leather, is folded into loop shape and has its free ends passing through the apertures 8 and 5. The ends of the loop extend above the wall 6 which is crimped inwardly to grip the material of the loop 9 tightly, as shown in Fig. 4. The wall 6 is crimped inwardly to such an extent that the material of the sew-on loop is compressed so that the aperture 5 is made smaller in cross-sectional area than the cross-sectional area of the ends 10—10 of the sew-on loop. In this manner the sew-on loop 9 is securely held in position so that it cannot be pulled apart under any normal use.

The assembly of the particular button illustrated may be described briefly in order to show the advantages of my improved button. In the first place the back assembly elements are secured together to form a unit, as illustrated in Figs. 5 and 6. The leather ring 7 is held in assembly with the other two parts by the sew-on loop 9 prior to the back assembly being secured to the top assembly. During the final assembly operation of the button the back assembly is entered into the hollow top assembly and the peripheral edge portion 11 (Fig. 4) together with the leather covering 2 wrapped about the edge thereof is squeezed inwardly to grip the rim 4 of the metal disk 3. This gripping feature is clearly shown in Fig. 4 where it appears that the inwardly turned portion 11, together with the leather covering, overhangs the edge of the rim 4 so that the back assembly cannot be pulled out of the hollow top assembly by any stresses which would normally be exerted in opposite directions on those two assemblies.

During the manufacture of the button suitable dies (not shown) are used to depress predetermined areas of the top assembly so that the top of the button may present a given design. In the button illustrated grooves 12 are formed in the cap 1 and the leather covering 2 by a pressing action so that a surface at the top of the button presents the appearance of woven strips of leather.

My improved button is durable, neat, relatively simple to manufacture and uniform as to size and length of sew-on loop and its structure is such that the component parts thereof are firmly held together.

While I have illustrated and described a preferred embodiment of my invention, I do not wish to be limited thereby, because the scope of my invention is best defined by the following claims.

I claim,

1. A button of the class described comprising, in combination, a top having a metal cap and a covering of flexible material, a back including a metal disk and a disk of material matching the covering material of the top and a sew-on loop passing through both parts of the back and held in assembly therewith, said metal disk having a portion thereof gripping and holding the sew-on loop firmly in position.

2. A button made up of several parts and including a metal disk having a perforation, a sew-

on loop having its ends passing through the perforation in said metal disk, and said disk having integral means adjacent the perforation gripping the sew-on loop to hold it securely in place.

3. A button made up of several parts and including a metal disk having a perforation, a sew-on loop having its ends passing through the perforation in said metal disk, and said disk having a wall surrounding said perforation and clenched against said sew-on loop to hold it securely in place.

4. A button having a metal cap, a covering of flexible material applied to said cap, a metal disk inside of said cap having a rim at its periphery facing the open end of said cap, said covering material and the periphery of said metal cap being crimped inwardly toward said rim of said disk with at least a portion of the covering material directly engaging and overhanging said rim to hold the parts in assembled relation and a back disk covering the said metallic disk and fitting inside the rim of said metallic disk.

5. A button of the class described comprising, in combination, a metal cap, a covering for said metal cap and means for securing the button to a supporting structure, and both said covering and said metal cap having predetermined nested impressions formed therein for ornamental purposes.

6. A button having a metal cap, a leather covering for the cap, said cap and leather covering both being grooved in a predetermined nested arrangement, a metal disk inside of said cap engaging the leather covering and holding it in place and attaching means located at the under side of the button.

7. A button having a metal cap, a leather covering for the cap, said cap and leather covering both being grooved in a predetermined arrangement, a metal disk inside of said cap engaging the leather covering and holding it in place, a leather sew-on loop having its ends extending through an aperture in said metal disk, loop-engaging means provided by said metal disk adjacent to the aperture therethrough to rigidly secure said sew-on loop to said metal disk and a leather ring covering said metal disk to conceal it from view at the under side of the button.

8. A button having a metal cap, a leather covering for the cap extending over the outer face thereof and into the inside thereof, a metal disk inside of said cap engaging the leather covering and holding it in place, said leather covering and cap being depressed in predetermined areas, a leather ring covering said metal disk, said metal disk and leather ring being apertured in alignment and a leather sew-on loop extending through the apertures in said disk and ring and held in place by an integral portion of said disk adjacent to the aperture therethrough.

9. A button of the class described having a metal cap, a leather covering for said cap, means for attaching the button to a supporting structure and said leather covering and cap both being depressed in predetermined areas to provide a predetermined design.

GEORGE A. HOLMES.