D. C. LOCKHART.

BUTTON.

APPLICATION FILED SEPT. 17, 1910.

990,056. Patented Apr. 18, 1911.

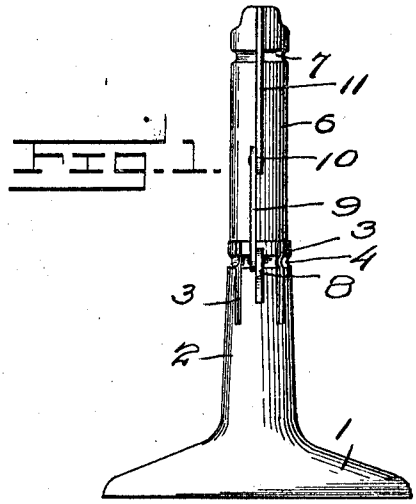


Fig. 1.

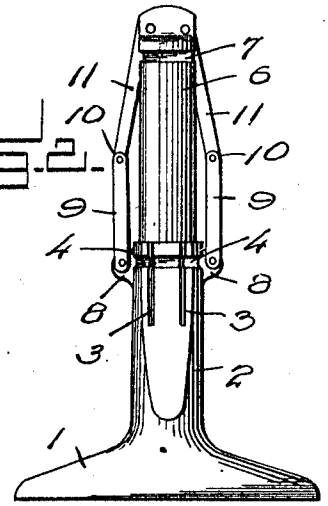


Fig. 2.

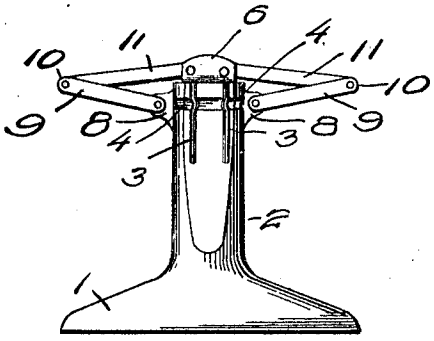


Fig. 3.

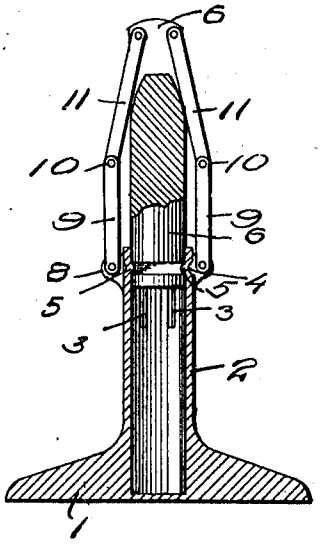


Fig. 4.

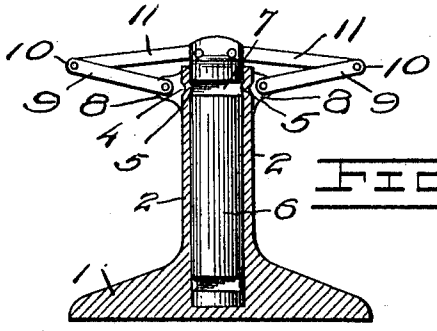


Fig. 5.

Witnesses

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BUTTON.

990,056. Specification of Letters Patent. Patented Apr. 18, 1911.

Application filed September 17, 1910. Serial No. 582,484.

To all whom it may concern:

Be it known that I, DANIEL C. LOCKHART, a citizen of the United States, residing at Toronto, in the county of York and Province of Ontario, Canada, have invented certain new and useful Improvements in Buttons, of which the following is a specification.

This invention relates to improvements in buttons, and particularly to that class of buttons used in collars and shirts.

The principal object of the present invention is to provide a button which may be readily inserted into a buttonhole and effectively retain the collar thereto.

Further objects of the invention and advantages of the construction will be apparent from the following specification, reference being had to the accompanying drawing, forming a part of this specification, in which,—

Figure 1 is a side elevation of the button, open, Fig. 2 is a front elevation of the same, Fig. 3 is a front elevation of the button in closed position, Fig. 4 is a vertical section through the button, the button being open, Fig. 5 is a similar section, showing the button in closed position.

Referring now particularly to the drawings, 1 represents the base of a button made in accordance with my invention. Projecting upwardly from the base is a shank 2, which may be of any shape in cross section, said shank being hollow and formed with vertical kerfs 3, in the upper edge. Slightly below the upper edge of the shank, and formed circumferentially thereon is a groove 4, which forms an interior annular rib 5.

A plunger 6 is adapted to move up and down within the shank, and is provided with an annular groove 7, which when the said plunger is in its lowermost position, will receive the said rib 5, to retain said plunger in such position. Secured to the opposite sides at the upper end of the shank 6 are the perforated lugs 8, to which are pivotally connected the lower ends of the lower links 9 of a toggle 10. Pivotally connected to the upper end of the plunger 6 and from opposite sides thereof, are the upper links 11, whose lower ends are pivotally connected to the upper ends of the lower links. It will thus be seen that when the plunger is extended to the position shown in Figs. 1 and 4, the links will also be extended, and the end of said plunger may easily be inserted into a buttonhole in a shirt or collar. When so inserted, and the tabs of the collar attached to said plunger, the end of the plunger is forced inward until the rib 5 engages in the groove 7, to hold the links in collapsed position, as shown in Figs. 3 and 5. The links will bear against the outer face of the collar, and prevent the same coming loose. The portions between the kerfs at the upper edge of the shank, are possessed of a certain amount of resiliency, so that the rib of the shank will be readily forced into and retained within the groove of the plunger. To remove the collar from the button, the point of connection between the upper and lower links is grasped between the fingers, and a slight pressure given, which will force said links into the distended position. The collar may be, then, easily slipped from the button.

It will thus be seen that I have provided a simple and cheap button, and one which is easily operated, to insert into and remove from the buttonholes of shirts and collars.

What is claimed is:

A button comprising a base, a hollow shank disposed centrally on said base, an internal annular rib in the upper portion of said shank, said shank having its upper end formed with a plurality of vertically arranged kerfs, perforated ears on opposite sides of the upper end of said shank, links pivotally connected to said ears, a plunger adapted for vertical movement in said shank, said plunger having an annular groove in its upper end adapted to receive said rib when in its lowermost position, and links pivotally connected to the upper end of said plunger at one of their ends and to the upper ends of the said first-named links.

In testimony whereof I affix my signature, in the presence of two witnesses.

DANIEL C. LOCKHART.

Witnesses:

J. P. EASTWOOD,

V. I. BEATTY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."