

(No Model.)

F. B. BRISTOL.
BUTTON.

No. 423,370.

Patented Mar. 11, 1890.

Fig. 1.

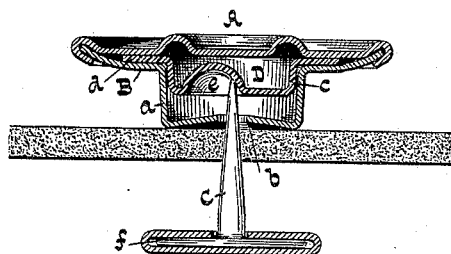


Fig. 2.

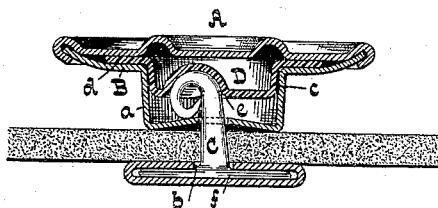


Fig. 3.

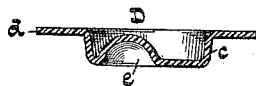
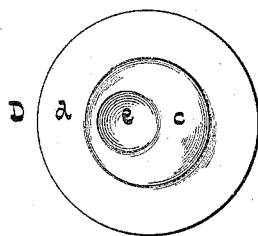


Fig. 4.



WITNESSES:

A. Faber du Faur
B. D. Thayer

INVENTOR:

BY *Franklin B. Bristol,*

A. Faber du Faur ATTORNEY

UNITED STATES PATENT OFFICE.

FRANKLIN B. BRISTOL, OF NAUGATUCK, CONNECTICUT, ASSIGNOR OF TWO-THIRDS TO BENJAMIN H. BRISTOL, OF SAME PLACE, AND WILLIAM H. BRISTOL, OF HOBOKEN, NEW JERSEY.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 423,370, dated March 11, 1890.

Application filed August 30, 1889. Serial No. 322,464. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN B. BRISTOL, a citizen of the United States, and a resident of Naugatuck, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Buttons, of which the following is a specification.

My invention has reference to improvements in buttons, and especially to that class of buttons which are attached to the material by the use of a solid metallic tack; and it has for its object to provide at a reduced cost a button equal in appearance to the finer grade of buttons, and one which can be quickly and firmly secured to the material without necessarily involving the use of a special tool.

To this end my invention consists, essentially, in a button provided with a clinching-plate located between the shell and the back, said clinching-plate being provided with an eccentric clinching-surface adapted to turn over or clinch the end of the tack when the latter is forced into the button.

In the accompanying drawings, Figure 1 is a central section, on an enlarged scale, of a button constructed according to my invention. Fig. 2 is a similar section showing the button applied to the material. Fig. 3 is a sectional elevation of the clinching-plate. Fig. 4 is a face view of the same.

Similar letters indicate corresponding parts.

In the drawings, referring at present to Figs. 1 and 2, the letter A designates the shell of a button, and B is the back thereof. C is a tack of the usual type, and D is the clinching-plate. The back B has a central depression or hub *a* and a central orifice or opening *b* in the bottom thereof for the passage of the tack C. The clinching-plate D is provided with a central hub *c*, fitting into the hub *a* of the back B, the flange *d* of said clinching-plate bearing or resting upon the flange of the back. In the bottom of the clinching-plate B is formed a concave surface *e*, located eccentrically with respect to the center line

of the button or with the hub, so that when the tack C is forced against the said surface *e* the inner portion of the shank of the same is turned over upon itself or clinched, to firmly secure the tack to the back, as shown in Fig. 2. The concave clinching-surface extends slightly beyond the center of the hub—that is, over the center line of the button—so that said surface will engage with and positively clinch or turn over the point of the tack without the use of excessive force, whereby a great advantage is obtained over buttons wherein the tack is riveted against a surface which does not positively deflect the point of the same.

In practice I make the clinching-plate of sheet-steel, and introduce the same into the button between the shell and the back, and then close the button in the usual manner, the clinching-plate being held between the shell and the back. The tack C is provided with a suitable head *f*, as usual. It is evident that the eccentric clinching-surface could be formed directly into the shell of the button; but in this case it detracts from the appearance of the button.

What I claim as new, and desire to secure by Letters Patent, is—

A button consisting of a shell and a back provided with a central hub, an interposed clinching-plate having a hub entering the hub of the back and provided with a concave clinching-surface located entirely within the lower face of the hub, and a central opening in the back for the passage of the tack, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 27th day of August, 1889.

FRANKLIN B. BRISTOL.

Witnesses:

JOHN M. SWEENEY,
EDWARD B. GOODYEAR.