(No Model.)

C. H. GOODWIN.

BUTTON CAP.

No. 581,111. Patented Apr. 20, 1897.

Fig. 1.

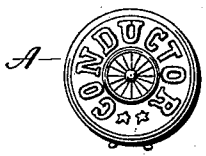


Fig. 2.

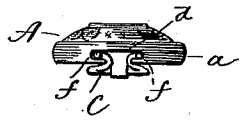


Fig. 3.

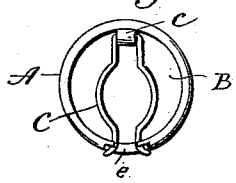


Fig. 4.

Fig. 5.

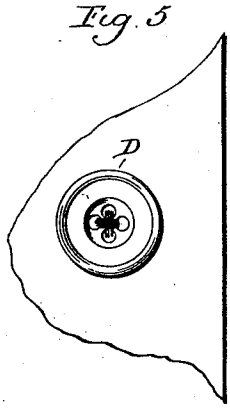


Fig. 6.

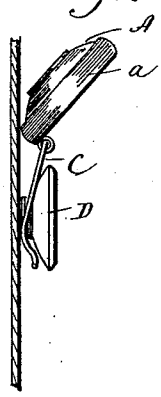


Fig. 7.

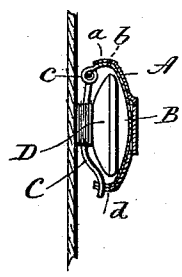


Fig. 8.

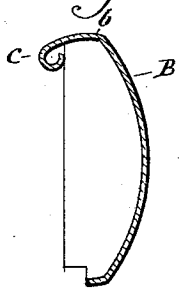
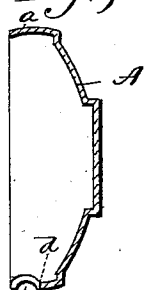


Fig. 9.



Witnesses.
J. H. Shumway
Lillian D. Kelly.

Charles H. Goodwin.
Inventor.
By atty Earle Reynolds

UNITED STATES PATENT OFFICE.

CHARLES H. GOODWIN, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE WATERBURY BUTTON COMPANY, OF SAME PLACE.

BUTTON-CAP.

SPECIFICATION forming part of Letters Patent No. 581,111, dated April 20, 1897.

Application filed February 15, 1897. Serial No. 623,494. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. GOODWIN, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new Improvement in Button-Caps; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a top view of the cap or sheath constructed in accordance with my invention; Fig. 2, an edge view of the same; Fig. 3, an under side view; Fig. 4, a side view with the loop detached; Fig. 5, a face view of a button of ordinary construction; Fig. 6, a side view of the same with the sheath in the open position applied thereto; Fig. 7, a sectional view of the same parts in the closed position; Fig. 8, an enlarged sectional view of the lining; Fig. 9, an enlarged sectional view of the cap.

This invention relates to an improvement in button caps or sheaths, and particularly to that class which are formed from sheet metal and adapted to be applied to an ordinary button, and so that, when desired, a garment may be supplied with metallic or "uniform" buttons.

The object of this invention is to produce a strong and rigid cap from thin sheet metal which may be readily applied to or removed from an ordinary button; and it consists in the construction as hereinafter described and particularly recited in the claims.

A represents a hollow sheet-metal shell or cap, the face of which may be of any desired form and suitably lettered or ornamented. Within this cap is a lining B, corresponding in diameter to the internal diameter of the cap A, and from one side of the flange *b* of the lining projects a finger, which is bent to form an eye *c*. This lining is secured to the interior of the cap by soldering or otherwise, and at a point opposite the eye *c* the flange is cut away, and in the flange *a* of the cap, adjacent to this cut-away portion, is formed a slot *d*, in one side of which is an opening *e*, the metal at the ends of the slot being depressed to form seats *f*. Passing through the eye *c* is a wire C, bent into substantially U shape, with its sides bowed outwardly and its ends also bent outwardly, the loop thus formed being also longitudinally bowed, and so that the ends of the wire extend upward and when passed through the opening *e* will project into the slot *d* and rest in the seats *f*, the extreme ends projecting slightly beyond the periphery of the shell for the convenient disengagement of the loop from the slot.

The cap thus constructed is applied in the usual manner to buttons D of ordinary construction, and, as will be seen, may be readily applied to or removed therefrom.

By providing the cap with the inner lining with which the eye *c* is integrally formed a very rigid shell or cap is produced.

It will be understood that I am aware that caps or sheaths adapted to be applied to buttons of ordinary construction have beem employed, and therefore do not wish to be understood as claiming, broadly, such as my invention; but,

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The herein-described cap or sheath, consisting of a shell, a cup-shaped lining applied thereto and formed with an eye in one edge, the flange of said cap formed with an open slot in the edge opposite the eye, and a wire loop extending through said eye, and projecting across the body for engagement with the said slot, substantially as described.

2. The herein-described cap or sheath, consisting of a shell, a cup-shaped lining applied thereto and formed with an eye in one edge, the flange of said cap formed with an open slot in the edge opposite the eye, said slot formed with seats at its ends, and a wire loop extending through said eye and projecting across the cap, and having its ends bent outward for engagement with said slots, in the seats of which the ends are adapted to rest, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHARLES H. GOODWIN.

Witnesses:
NATHL. R. BRONSON,
A. C. MINTIE.