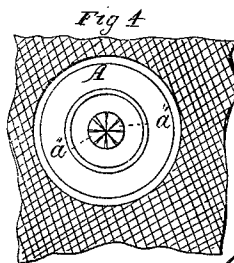
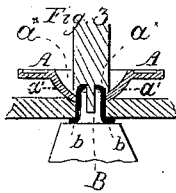
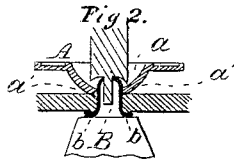
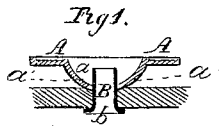


G. J. Capewell,
Button.

No 91083.

Patented June 8, 1869.



Witnesses.

M. Conroy
a. Sellers

G. J. Capewell
Per Brown & Lamb
att

United States Patent Office.

GEORGE J. CAPEWELL, OF WEST CHESHIRE, CONNECTICUT, ASSIGNOR TO "PORTER BROTHERS," OF NEW YORK CITY.

Letters Patent No. 91,083, dated June 8, 1869.

IMPROVEMENT IN SECURING BUTTONS TO FABRICS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, GEORGE J. CAPEWELL, of West Cheshire, in the county of New Haven, and State of Connecticut, have invented a new and useful Improvement in Means of Attaching Buttons to Garments; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figures 1, 2, and 3, are transverse sections, on an enlarged scale, representing different stages in the operation of attaching the button to the garment.

Figure 4 is a plan view, also on an enlarged scale, of the button as attached to the garment.

Similar letters of reference indicate corresponding parts in all the figures.

This invention consists in the attachment of the button to the fabric or garment by means of an eyelet formed in a corrugated head, in such a way that not only is the button affixed to the garment or fabric with very great security, but is also caused to present a much more symmetrical and ornamental external appearance than has been the case with buttons attached by eyelets or rivets, as hitherto formed and applied.

To enable others to understand the nature and construction of my invention, I will proceed to describe it with reference to the drawings.

The button, represented at A, may be of any suitable material, and has its central portion depressed, to form a recess, *a*, and has, furthermore, at its centre, a hole, *a'*.

B indicates the tubular eyelet, by which the button is attached to the garment or fabric, such eyelet, before the attachment of the button, being of cylindrical form, with an annular flanch, or rim, *b*, at one end.

The eyelet is passed, as shown in fig. 1, through the fabric and through the hole *a'* in the button, the latter being at the side of the fabric opposite that at which the flanch *b* of the eyelet is situated.

The eyelet being placed upon a suitable support, as

shown in red outline in figs. 2 and 3, a die, shown in blue color in the figures just mentioned, and having a central downwardly-projecting cylindrical stem, as indicated in such figures, and with its lower end or surface shaped to form the die-surface which gives the requisite corrugated form to the eyelet-head shaped thereby, as presently herein explained, is brought down upon the end of the eyelet extended into the recess *a* of the button, the stem of the die extending downward into the eyelet.

The downward movement of the die first curves, or turns inward the upper edge of the eyelet, until its touches the stem of the die, as shown in fig. 2, and presses down the end of the eyelet, which, being prevented by the stem of the die from curving further inward, spreads over the adjacent edges around the hole *a'* of the button, as represented in fig. 3, thus forming a head, *a**, thereon, as shown in figs. 3 and 4, which securely holds the button to or upon the fabric, and which, from the suitably-shaped form, hereinbefore mentioned, of the surface of the die, is caused to assume a corrugated form, and consequently a very ornamental appearance, as represented in fig. 4. Such corrugation of the head *a** of the eyelet, while being formed, greatly facilitating, furthermore, the wrinkling, or compression necessitated in some portions of the metal, while the same is being bent and upset during the heading-operation.

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

Closing inwardly the outer open end of the tubular eyelet, heading the same, and corrugating the said head at one and the same time, and operating substantially as and for the purposes specified and set forth.

GEO. J. CAPEWELL.

Witnesses:

EDWD. A. CORNWALL,
CORNELIA A. CORNWELL.