No. 797,117. PATENTED AUG. 15, 1905.

W. C. HOWARD.

BUTTON AND LOOP CLASP.

APPLICATION FILED FEB. 7, 1905.

Fig 1.

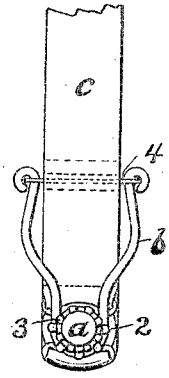


Fig 2.

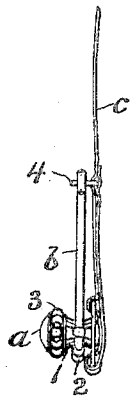


Fig 3.

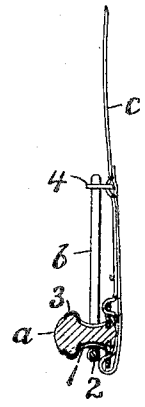


Fig 4.

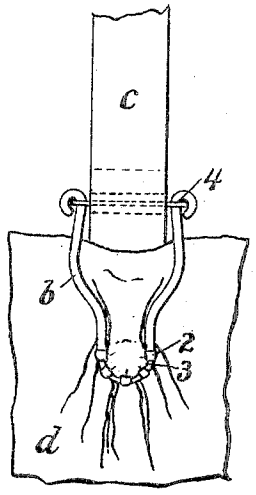


Fig 6.

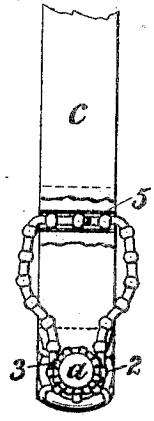


Fig 7.

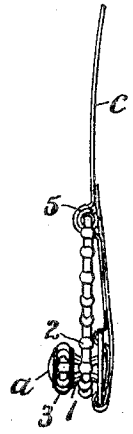
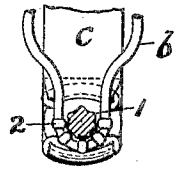


Fig 5.



Witnesses
P. Thehoe
I. Galiani

Inventor
William C. Howard
By his Attorneys
Philipp Dauer Rice & Kennedy

ANDREW B. GRAHAM CO., PHOTO-LITHOGRAPHERS, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM C. HOWARD, OF NEW YORK, N. Y.

BUTTON AND LOOP CLASP.

No. 797,117. Specification of Letters Patent. Patented Aug. 15, 1905.

Application filed February 7, 1905. Serial No. 244,588.

To all whom it may concern:

Be it known that I, WILLIAM C. HOWARD, a citizen of the United States, residing at New York city, county of Kings, and State of New York, have invented certain new and useful Improvements in Button and Loop Clasps, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

This invention relates to that class of garment-supporters in which the fabric is clamped over a button or stud by a loop, as now common in hose-supporters and the like.

The special object of the invention is to secure a strong hold of the fabric and extended contact by rounded surfaces, thus avoiding the cutting or tearing of the material, which is likely to result from sharp edges. I secure these results and at the same time provide a button and loop of improved appearance by the use of a loop having a beaded surface coacting with a fluted shank on the button, so that the beads hold the fabric in the grooves of the fluted shank. The flutes on the shank may be formed in any suitable manner by beading or corrugations. I preferably also bead the head of the button, which aids materially in holding the fabric and in connection with the beaded loop improves the appearance of the supporter.

For a full understanding of the invention a detailed description of constructions embodying the same in preferred forms will now be given in connection with the accompanying drawings, forming a part of this specification, and the features forming the invention then particularly pointed out in the claims.

In the drawings, Figure 1 shows one form of supporter with the loop beaded only through its holding portion. Fig. 2 is an edge view of the same. Fig. 3 is a section taken longitudinally through the button and loop. Fig. 4 shows the supporter with a piece of fabric clamped by the loop. Fig. 5 is a view similar to Fig. 1 sectioned through the button-shank. Fig. 6 shows a form of supporter with the loop beaded throughout, the sleeve in which the loop is pivoted being sectioned. Fig. 7 is an edge view of Fig. 6.

Referring to said drawings, *a* is the stud or button; *b*, the loop; *c*, the usual supporter-tape carrying the button and loop, and *d* the fabric clamped by the loop. The stud or button *a* may be of metal or any other suitable material, and has the fluted shank 1 coacting with the beads 2 of the loop *b*, so that the fabric is held by the beads within the grooves of the shank. The head of the button is preferably provided with the beads 3, similar to the beads 2 of the loop. The loop *b* may be pivotally secured to the tape *c* in any suitable manner, being shown in Figs. 1 to 4 as having its ends hooked through a plate or wire 4, held in the loop.

The fabric is held very firmly by the beaded loop and fluted shank and still more firmly if the beaded head be used, as shown and as is preferable, while tearing or cutting of the fabric is avoided by the rounded engaging surfaces.

In Figs. 6 and 7 a construction is shown in which the loop is beaded throughout, which may be preferred for appearance or otherwise. This beading of the loop throughout is useful also when the usual pivoting-sleeve clasped around the rear end of the loop is used, as shown in Fig. 7, these beads securing a strong hold of the sleeve 5 when it is pressed around the beaded loop.

It will be understood that so far as holding the material is concerned the head and shank of the button need not be beaded and fluted on the side toward the open end of the loop; but for appearance and simplicity of manufacture it will probably be found preferable to bead and flute them throughout, as shown.

What I claim is—

1. In a supporter, the combination of a button having a fluted shank, and a loop having a beaded clamping portion.

2. In a supporter, the combination of a button having a fluted shank and a beaded head, of a loop having a beaded clamping portion.

3. In a supporter, the combination of a button having a fluted shank, and a clamping-loop beaded throughout.

4. In a supporter, the combination of a button having a fluted shank and a beaded head, and a loop beaded throughout.

5. In a supporter, the combination of a button having a beaded head, and a loop having a beaded clamping portion.

6. In a supporter, the combination of a button having a beaded head and a clamping-loop beaded throughout.

7. A supporter-loop having a beaded clamping portion.

8. A supporter clamping-loop beaded throughout.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

WILLIAM C. HOWARD.

Witnesses:
T. F. KEHOE,
C. J. SAWYER.