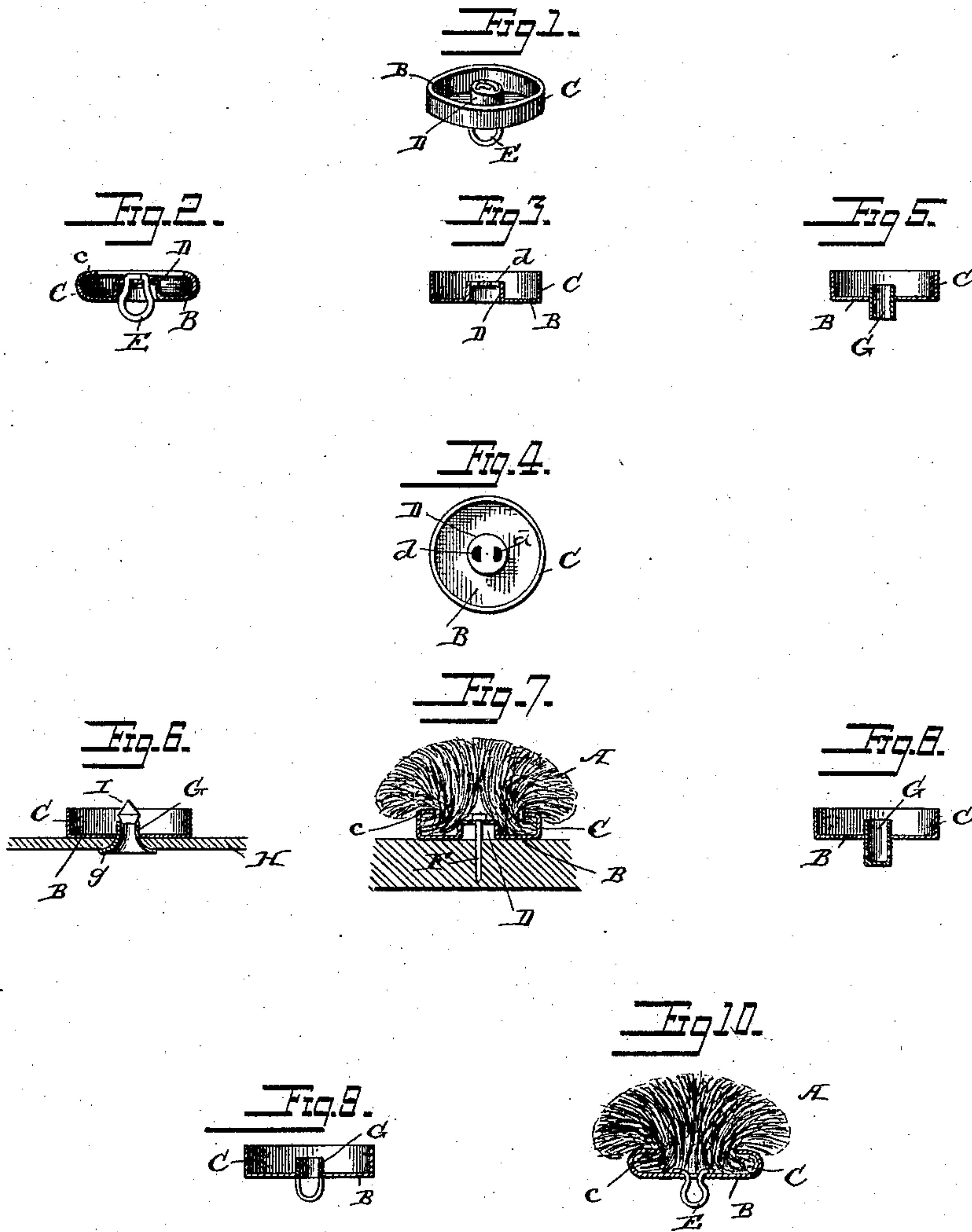


(No Model.)

H. A. CABLES.
BUTTON, TUFT, OR ORNAMENT.

No. 373,128.

Patented Nov. 15, 1887.



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UNITED STATES PATENT OFFICE.

HARTLEY A. CABLES, OF ROCHESTER, NEW YORK.

BUTTON, TUFT, OR ORNAMENT.

SPECIFICATION forming part of Letters Patent No 373,123, dated November 15, 1887.

Application filed May 27, 1887. Serial No. 239,563. (No model.)

To all whom it may concern:

Be it known that I, HARTLEY A. CABLES, a citizen of the United States, and a resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Buttons, Tufts, or Ornaments, of which the following is a specification.

This invention relates to certain improvements in upholsterers' buttons, tufts, rosettes, or tassels, wherein a metallic back is used to confine and hold the yarn or other fiber of which the tuft is composed.

Heretofore it has been customary to employ a substantially flat-bottomed cup-shaped back having an upward-projecting flange around its edge. Into this back the ends of the fibers are inserted and confined by turning or spinning over the flange toward the center. Certain objectionable features, however, have been found to be incident to such buttons or tufts, as an unnecessarily large amount of fibrous material is required in order to properly fill the mouth or open end of the back, where they are compressed sufficiently to hold them in place. Further, the fibers of such buttons or tufts are liable to become loosened and to fall out, especially if a needle, thread, or similar securing device be passed through the fibers, and the construction is such, as will be readily understood, that if the fibers once become loosened the whole mass is almost certain to fall out. To overcome these difficulties, as well as to secure other advantageous features in an article of the character referred to, I have provided the metallic button-back with a central projection, between which and the flange the fibers are held when the edge of the flange is turned over toward such projection. This gives the fibers a firm central support, against which they may be compressed, and, while making a superior tuft, at the same time largely reduces the amount of yarn or other fiber used. A further advantage arises from the fact that by perforating said projection or making it hollow the tuft may be secured by thread, or other means, passing directly through the center of the tuft, without danger of loosening the fibers, which are not inserted and held in the center of the back, as in the old style of button or tuft.

In the drawings I have illustrated a number of different constructions wherein my invention is embodied.

Figure 1 is a perspective view of a button or tuft back having a wire eye for securing it. Fig. 2 is a vertical section of the same, showing the flange of the back turned over into the position it occupies when confining a tuft. Fig. 3 is a vertical section wherein the central projection is perforated for sewing on the tuft. Fig. 4 is a top plan view of Fig. 3. Fig. 5 is a vertical section wherein the central projection consists of a small tube. Fig. 6 shows the method of uniting the back, shown in Fig. 5, to a fabric. Fig. 7 illustrates the method of uniting the tuft by a screw or brad. Figs. 8 and 9 are vertical sections illustrating other modifications. Fig. 10 is a vertical section of an old-style button or tuft.

In the drawings, A represents the fibers forming the head or tuft portion of the button, and B indicates the metallic back.

C is a flange surrounding the edge of the back, and adapted to have its upper edge turned over, as at *c*, to confine the fibers forming the tuft.

D, Figs. 1 to 9, represents the central projection, between which and the overturned edge of flange C the fibers are held. In Figs. 1, 2, 3, 4, and 7 this projection D is formed by striking up the central portion of the bottom of the back, while in Figs. 5, 6, 8, and 9 it is formed by a short tube-section projecting through an aperture in the back, where it may be secured by spinning, solder, or otherwise.

In Figs. 1 and 2, E indicates a wire eye, by which the tuft may be secured to the fabric or other article upon which it is used. It will be seen that the projection in this instance rises from the back side of the button, leaving a socket or recess in which the eye E may lie, so that it projects but a short distance below the face of the back, thus permitting the button to be drawn much closer to the article to which it is secured than can a button of the kind shown in Fig. 10.

In Figs. 3 and 4 the projection is provided in its upper end with apertures *d*, whereby it may be sewed to a fabric, the needle and thread passing freely through the tuft without injury thereto, which could not be done with a

construction such as shown in Fig. 10, where the fibers A are most tightly compressed at the center, and the passage of the needle and drawing the thread through the same would tend to loosen the fibers.

In Fig. 7 a small brad or screw, F, for securing the tuft, is shown passing through the projection D. This fastening, by the use of my invention, I am enabled to employ without impairing the appearance of the tuft, as a small set or screw-driver may be passed down between the fibers without injury thereto.

In Figs. 5, 6, 8, and 9 the back B is perforated centrally and a small tube-section inserted therein, forming the projection D. Such tube may be used to confine the tuft to a fabric, as H, by spinning over its edge, as at g. An ornament, as a stone, I, may be mounted in the upper end of tube G, if desired.

In Figs. 8 and 9 the lower ends of tubes G are so formed that the tufts may be sewed to the fabric.

It will be observed that in each construction of button or tuft herein illustrated containing my invention the fibers A, forming the head or tuft proper, are arranged in a circle around the central portion of the back, instead of being arranged in a bunch or compacted mass in the center thereof, as has heretofore been customary. This invention is applicable to other objects than upholsterers' tufts or buttons, as ornaments for ladies' dresses and childrens' hats, rosettes for harness ornamentation, and other similar objects may embody the same, as will readily suggest itself to those skilled in the art.

While all the forms of my invention herein shown possess certain advantages in common, it will be noticed that each form also possesses certain advantages peculiar to itself, and I therefore reserve to myself the right to claim in subsequent applications any specific forms of my invention not herein specifically claimed. Therefore,

Without limiting myself to any particular form of my invention except as hereinafter expressed, what I claim is—

1. In a button or tuft, the combination of a metallic back having a central support projecting from the back and a flange also projecting therefrom on the same side as the support, and fibers confined by said flange against said support, substantially as described.

2. A button or tuft consisting of a metallic back and fibers, forming the head, they being arranged in a circle and confined around the center of the back, which is free from fibers, substantially as described, and for the purpose set forth.

3. In a button or tuft for upholsterers' use, the combination of fibers A, a metallic back having an outer confining-flange and a central projection struck up from said back, and means for securing the button or tuft to a fabric carried by said projection, substantially as described.

4. In a button or tuft for upholsterers' use, the combination of fibers A and a metallic back having an outer confining-flange, and a central projection struck up from said flange and provided with apertures, whereby it may be confined to a fabric, substantially as described.

5. The combination of the fibers A, a back having an outer flange and a central projection between which the fibers are held, and a brad or screw passing through an aperture in the projection for securing the tuft or button, substantially as described.

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

HARTLEY A. CABLES.

Witnesses:

A. C. MAYER,
A. LEY.