

(No Model.)

H. W. KNIGHT.
Button.

No. 232,190.

Patented Sept. 14, 1880.

Fig. 1

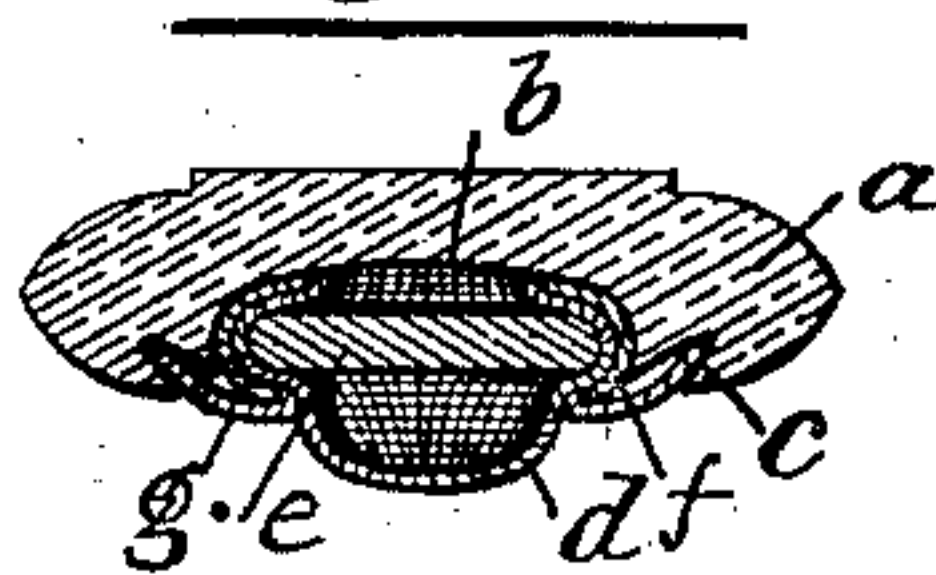


Fig. 2

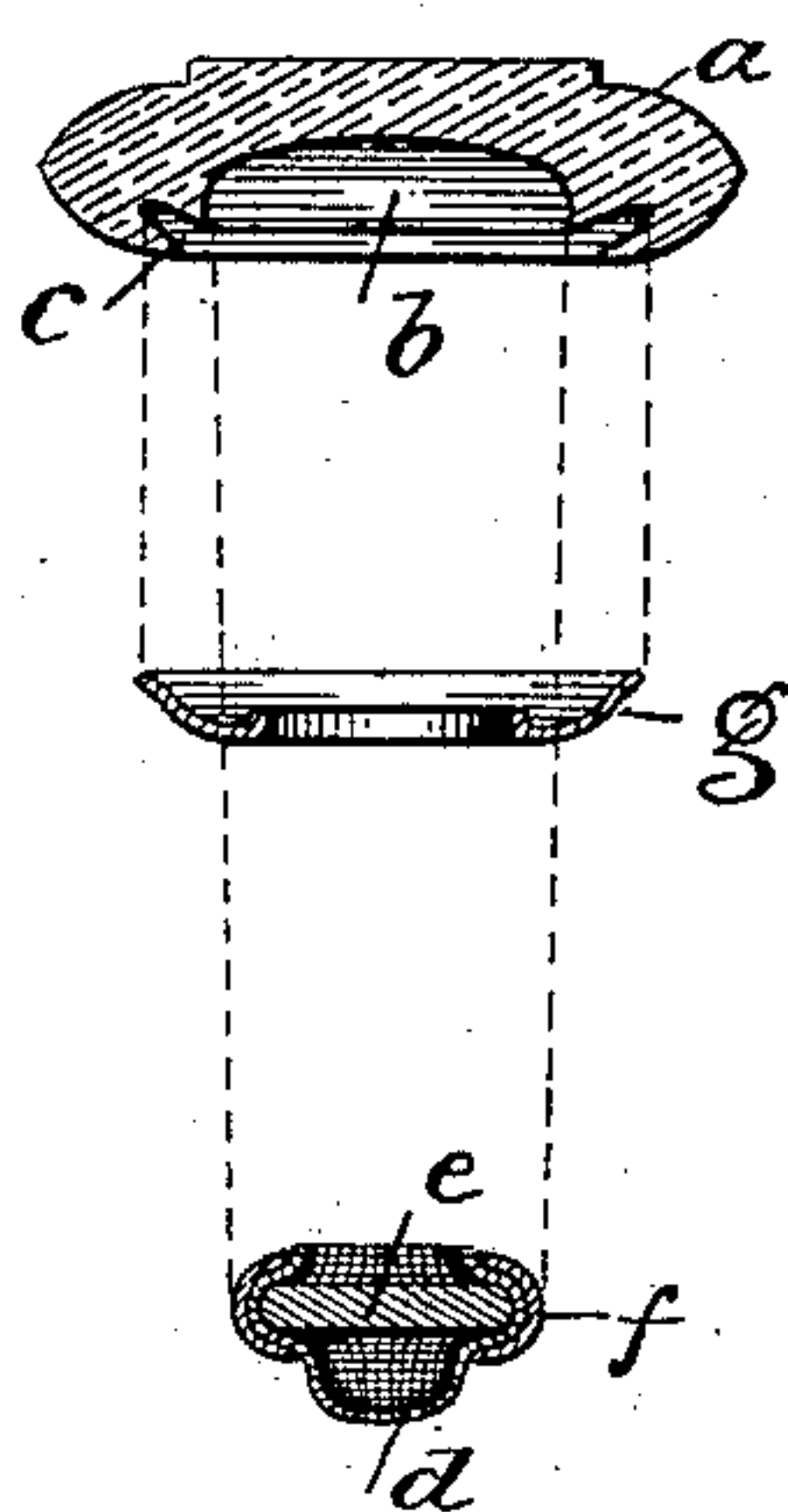
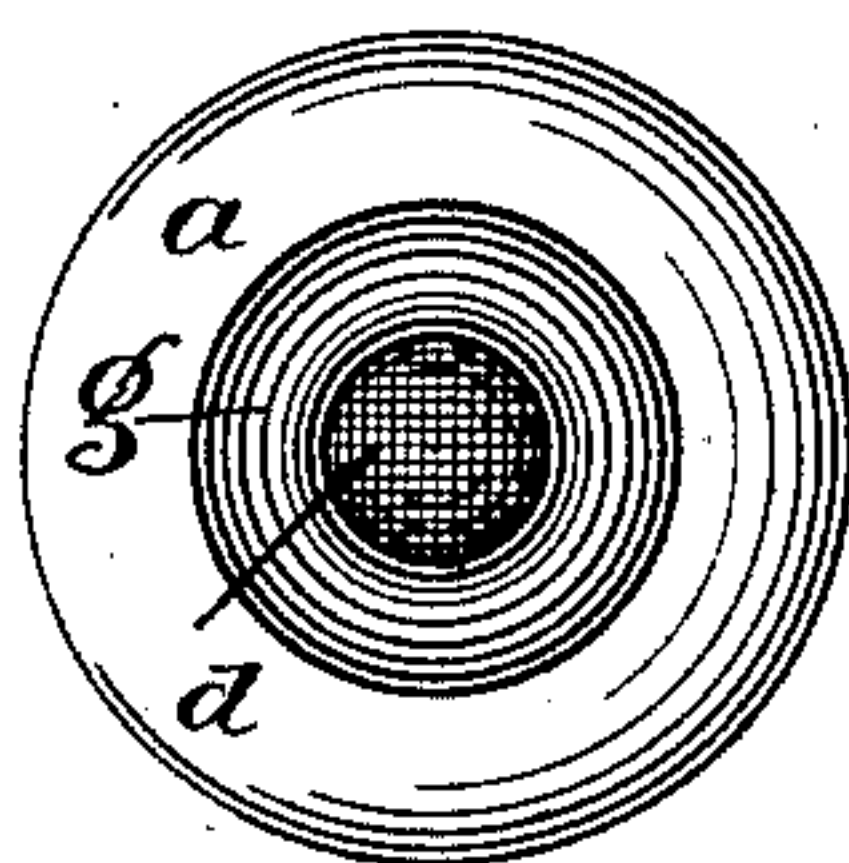


Fig. 3



Witnesses:

Louis M. T. Whitehead.
A. B. Webb.

Inventor:-

Horatio Williston Knight
By Ernest C. Webb.
Attorney

UNITED STATES PATENT OFFICE.

HORATIO W. KNIGHT, OF NEW YORK, N. Y.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 232,190, dated September 14, 1880.

Application filed August 4, 1880. (No model.)

To all whom it may concern:

Be it known that I, HORATIO WILLISTON KNIGHT, of New York city, in the county and State of New York, have invented certain new and useful Improvements in Buttons, of which the following specification is a description.

The object of my invention is the production of a button composed of ivory or similar material adapted to be attached to a garment in the same manner as a cloth or silk button; and the invention consists in making a button-body of solid inflexible material, such as ivory, bone, pearl, or the like, having a cavity in its under side and an inclined wedge, V, or similarly-shaped recess at the outer circumference of such cavity, in combination with a flexible shank of canvas or other suitable material, and devices, hereinafter described, for securing said shank to the body of the button.

Usually buttons made of ivory or similar material are attached to garments by threads passing through holes in the button, or by metallic fastening devices affixed to the button-back; but the holes in such buttons deface the button, and the threads, being exposed to view, present an unsightly appearance, while the stiff fastening devices break easily, are unreliable, and otherwise objectionable.

In the accompanying drawings, Figure 1 is a vertical cross-section of a button embodying my invention. Fig. 2 is a similar view with the parts detached, and Fig. 3 is a bottom-plan view.

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

a designates the body of a button, preferably composed of ivory, although pearl, bone, or other inflexible material may be used. The under side of this body *a* is provided with a cavity, *b*, and an inclined wedge, V, or similarly-shaped recess *c*. Into this cavity *b*, I place a filling or core of metal, *e*, to which the shank *d* has been previously attached. This shank *d* is composed of canvas or some similar material. Its edges are drawn over the core *e*, so as to overlap underneath the core, and a metal binder, *f*, is then bound over the edges of said core, the teat of the shank protruding through a central opening in the metal binder. I then insert in the recess *c* an annular plate,

g, of metal, which I term the "button-back." This annular plate *g* is concavo-convex, and has an opening at the center. After the various parts have been inserted in the button a pressure is applied until they are forced into the proper places and the teat of the shank *d* projects through the opening in the center of the plate *g*. The button is then ready for use, and can be attached to a garment by sewing in the ordinary manner.

It will be seen that the metal binder *f* is made slightly concave on its under side to correspond with the contour of the cavity *b*, while its edges bear against the inner edge of the recess *c*. This construction permits the free movement of the core *e* and binder *f* within the cavity, and thus renders the shank *d* flexible, and while the plate *g* precludes the possibility of the withdrawal of these parts from the button-body *a*, it does not prevent the free movement of the shank, as its under side being concave, it does not bear against the core and binder unless a strain on the shank draws them against its inner surface.

I am aware that cloth buttons have heretofore been made with flexible shanks, and I therefore do not seek to broadly claim such construction in an ivory button; but

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

1. In a button, the body *a*, composed of ivory, pearl, or other solid inflexible material, having a cavity in its under side and an inclined wedge, V, or similarly-shaped recess at the outer circumference of such cavity, in combination with a flexible shank of canvas or the like, and devices for securing said shank to the body *a*, all constructed and arranged substantially as herein shown and specified.

2. The combination, in a button, of the inflexible body *a*, having a cavity in its under side and an inclined wedge, V, or similarly-shaped recess at the outer circumference of said cavity, with the flexible shank *d*, secured thereto by means of the core *e*, binder *f*, and plate *g*, all constructed and arranged substantially as herein shown and specified.

HORATIO WILLISTON KNIGHT.

Witnesses:

E. J. GRANT,
E. C. WEBB.