

(No Model.)

W. G. BEYERLY.
BUTTON.

No. 328,753.

Patented Oct. 20, 1885.

Fig. 1.

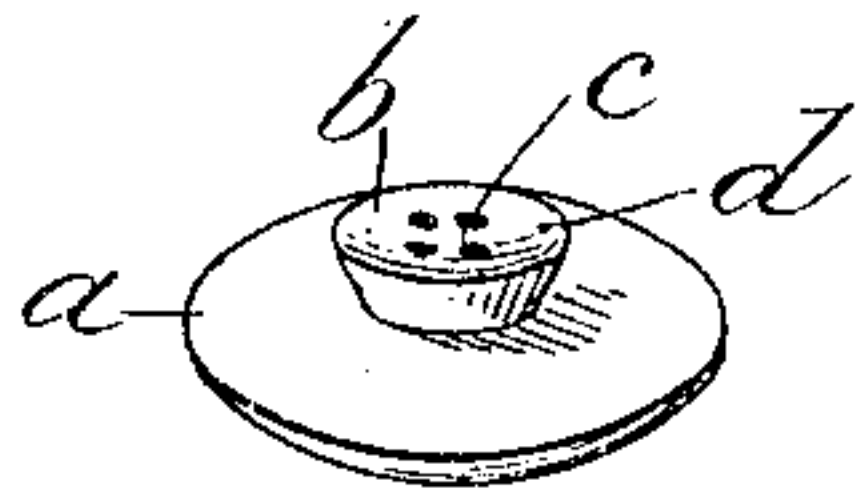


Fig. 2.

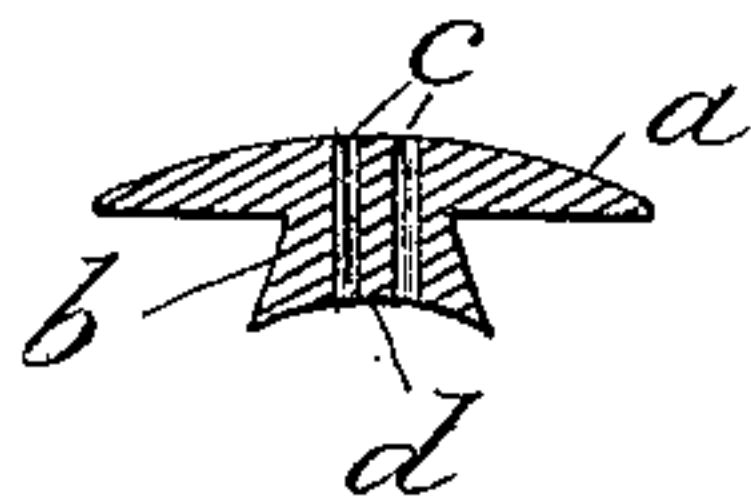


Fig. 3.

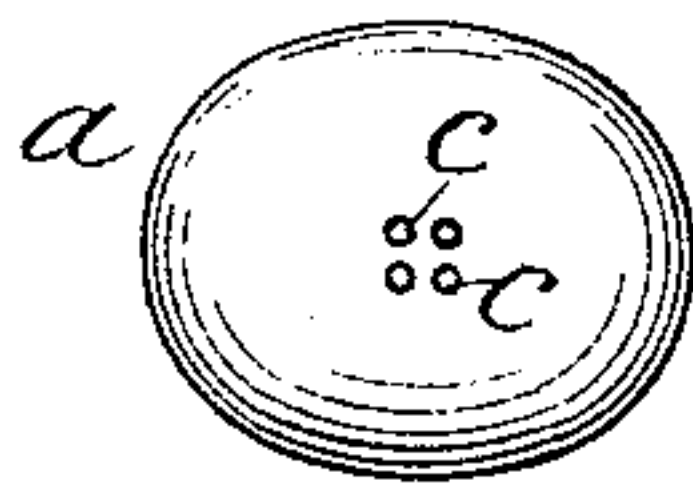
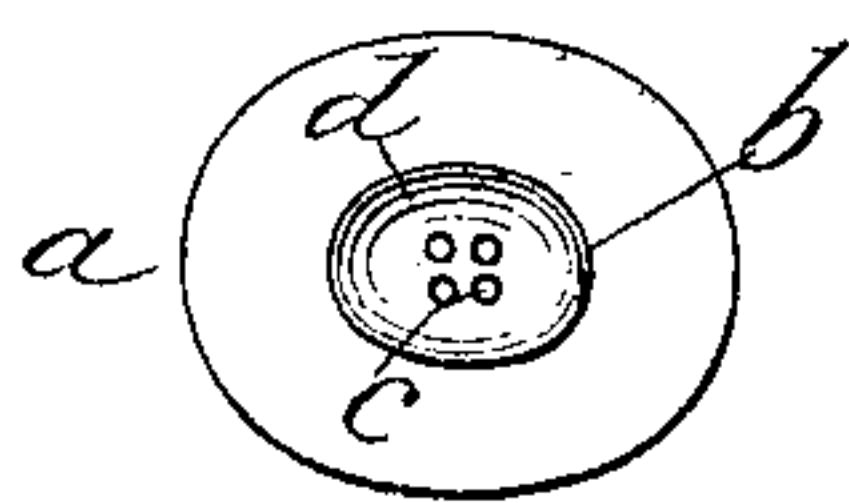


Fig. 4.



Attest:

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UNITED STATES PATENT OFFICE.

WILLIAM G. BEYERLY, OF PORTSMOUTH, OHIO.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 328,753, dated October 20, 1885.

Application filed March 27, 1885. Serial No. 160,205. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM G. BEYERLY, a citizen of the United States, residing at Portsmouth, in the county of Scioto and State of Ohio, have invented certain new and useful Improvements in Buttons; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention consists of a button having a shank or neck that is perforated longitudinally at several points for the passage of the thread or threads by which said button is secured to a garment, and in which the end of said button-shank is concaved in such a way as to permit its being drawn into close contact with the cloth, the attaching portion of which enters the concaved end of said shank under the tension of the threads, which are thus inclosed in the longitudinally-perforated shank, and so protected from the abrading action of the button-hole, as hereinafter set forth.

In the annexed drawings, illustrating the invention, Figure 1 is a perspective view of my improved button. Fig. 2 is a vertical section through the button-head and its shank. Fig. 3 is a top plan view of the button, and Fig. 4 is a bottom plan view of the same with concaved shank.

Like letters indicate like parts.

The button-head *a* and its shank or neck *b* are made integral, and may be composed of wood, metal, horn, bone, rubber, or other suitable material. A series of perforations, *c c*, are made in the center of the button-head *a*, and extend longitudinally through the shank *b* for the passage of the thread by which the button is to be secured to a garment.

In order to enable the button to have a firm bearing on the surface to which it is attached and avoid any liability of the attaching-thread

being exposed to the wearing action of the button-hole, the end or base of the shank *b* is flanged or expanded, as shown, and formed with a concavity, *d*, into which the attached surface of the cloth is drawn by the tension of the attaching-thread. By means of the concavity *d* the button-shank is thus brought into the closest contact with the cloth surface. If desired, the upper face of the button-head *a*, for a short distance surrounding the upper ends of the perforations *c c*, may also be concaved, so as to afford a recess for protecting the outer portion of the thread.

It will be observed that the outer surface of the button-shank *b* is rounded and tapered concavely from its expanded attaching end toward the button-head *a*; thus affording a smooth bearing-surface for the button-hole. It will also be seen that by my invention the attaching-thread is inclosed in the button-shank in such a way as to be removed completely from abrading contact with the button-hole, thus rendering the button much more secure in its attachment than ordinary. The concavity *d* in the end of the button-shank contributes largely to this result by enabling the button to have a firm and close bearing upon the cloth, and thus protecting the thread in immediate contact with the attaching-surface as well as throughout the length of such thread.

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

A button consisting of the head *a* and a shank, *b*, tapering toward the button-head, and having a concavity, *d*, in its end, and provided with perforations *c c*, that also extend through the button-head for the passage of attaching thread, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM G. BEYERLY.

Witnesses:

PH. ZUELLNER,
ALBERT ZUELLNER.