

(No Model.)

N. C. NEWELL.

BUTTON.

No. 290,092.

Patented Dec. 11, 1883.

fig 1

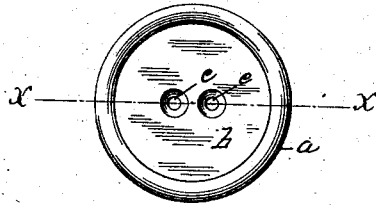


fig 2



fig 3



fig 4



fig 5



WITNESSES:

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NELSON C. NEWELL, OF SPRINGFIELD, MASSACHUSETTS.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 290,092, dated December 11, 1883.

Application filed September 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, NELSON C. NEWELL, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Buttons, of which the following is a specification.

This invention relates to improvements in the manner of constructing buttons which are composed of a back and rim having a face-setting of hard and impervious material which does not permit of permanently uniting it to the back by methods ordinarily practiced, the object being to provide improved means for producing buttons of a highly-ornamental character having a face of pearl, ivory, or glass in a back setting of material of contrasting color, and of a less friable nature than the face.

In the drawings forming part of this specification, Figure 1 is a plan view, and Figs. 2 and 5 are sectional views, of a button constructed according to my invention. Figs. 3 and 4 are detail views.

In the drawings, *a* indicates the back and rim or the button-shell, which is made from hard rubber, or other plastic material of a similar nature, or from vegetable ivory, or it may be molded from glass. Said shell is exteriorly of a convex form on the back, and its face is cupped out to receive the face-piece *b*. The shell is perforated, as shown. The face-piece *b* is made to conform to the shape of the depression in the face of the shell, so that it can be inserted in the latter, and has perforations in it corresponding to those in the shell, which are countersunk on its face to bevel their borders, as shown. The face-piece *b* is made of pearl or of glass, preferably, and the non-absorbent nature of these and similar materials renders it practically impossible to secure the face-piece into the shell *a* by the use of any of the cements ordinarily employed in such manufacture, and it is not safe to make the face-pieces of such size that they may be forced into the shells and be held by their borders, for the aforesaid plastic materials (excepting glass) of which the shells are made are subject to considerable shrinkage, and if there be no space between the border of the center or face-piece and the adjoining side of the shell the shrinking of the latter would cause it to be broken and ruined. There-

fore, for the purpose of producing a durable button by the combination of the above-described materials, and to avoid the aforesaid difficulties attendant heretofore upon their manufacture, I prepare the shell and the face-piece as set forth, and unite the two by means of the metallic eyelets *c c*. These eyelets are made with one end flaring, as in Fig. 3, to correspond with the aforesaid beveled border of the perforations in the face-pieces, and are forced through the latter into the perforations in the shell, those in the latter being slightly smaller than the eyelets, and thereby the latter become attached to the shell and hold the face-piece firmly against it without the use of any cement or other means of fastening it. The face of the back *a* may be made plain—that is to say, without the rim to project above and surround the border of the face-piece *b*—since, as above mentioned, the rim does not aid in holding the face-piece and back together, the eyelets alone being relied upon to do that. The eyelets may, if desired, be made long enough to pass quite through the shell, as in Fig. 5, and be headed against the back of the latter.

The ends of the eyelets which are in contact with the face-piece *b* are sunk slightly below the surface of the latter, so that when the button is sewed on the thread may lie close against the face-piece, and to produce a better finish than when the end of the eyelet is allowed to stand above the face-piece.

What I claim as my invention is—

1. The within-described improved button, consisting of the shell *a*, made from plastic material, substantially as described, and having a cup-shaped face, the face-piece *b*, made from pearl or other similar material, substantially as described, and the metallic eyelets *c c*, inserted through the face-piece into the shell, substantially as set forth.

2. A button consisting of a back, *a*, having a face-piece, *b*, of pearl or analogous material, substantially as described, secured to its face by the two eyelets *c c*, inserted through the face-piece into the back, which also serve to form passages through which the thread is carried which secures the button to a fabric, substantially as set forth.

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Witnesses:

H. A. CHAPIN,
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