

(No Model.)

N. NELSON.
BUTTON OR STUD.

No. 294,496.

Patented Mar. 4, 1884.

Fig. 1.

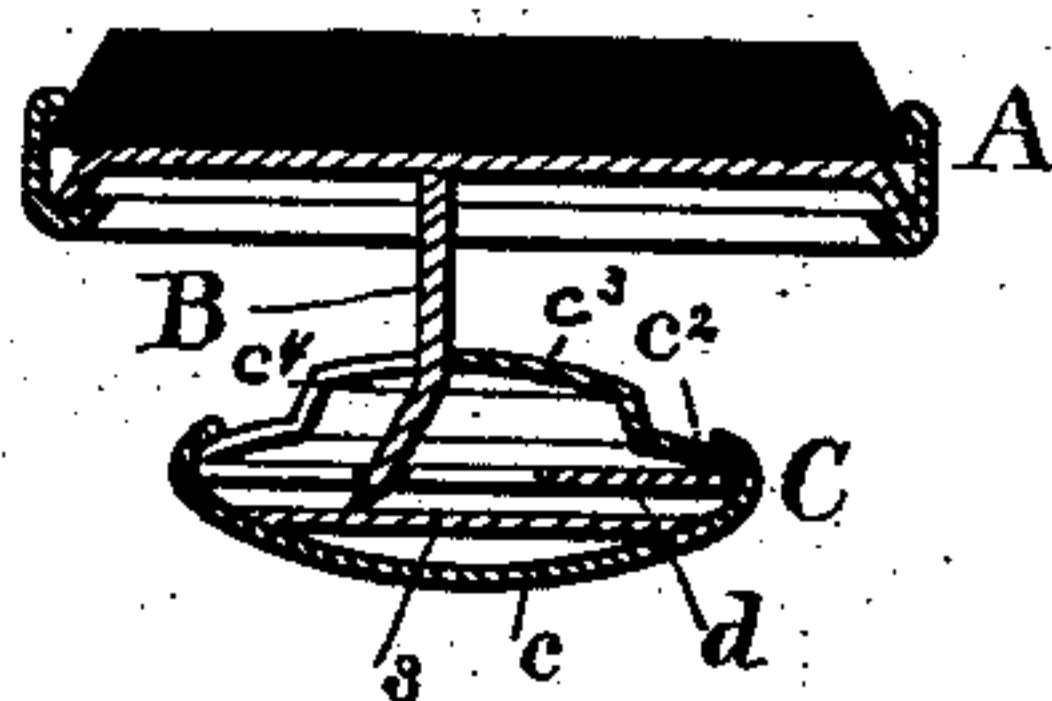


Fig. 2.

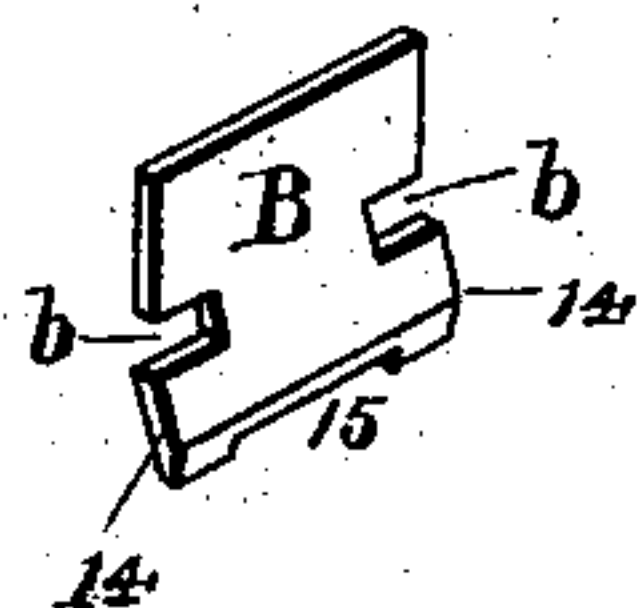


Fig. 3.

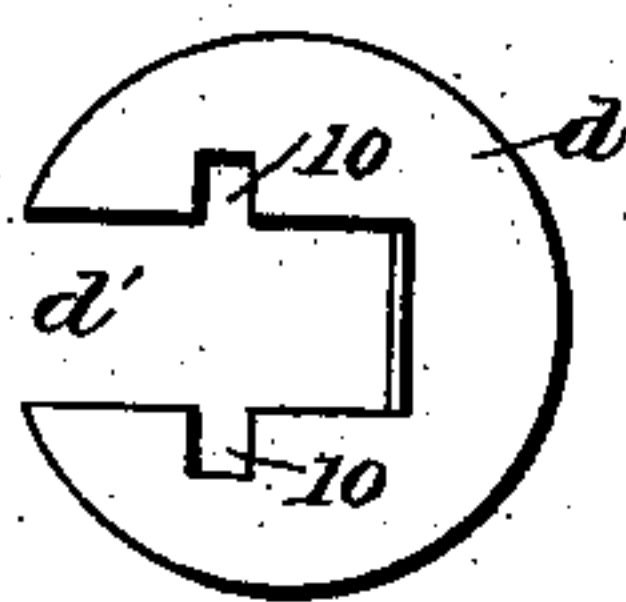


Fig. 4.

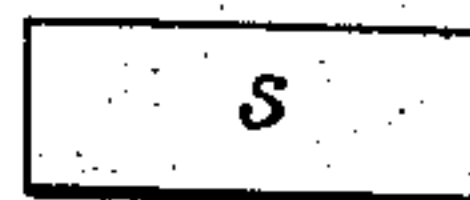
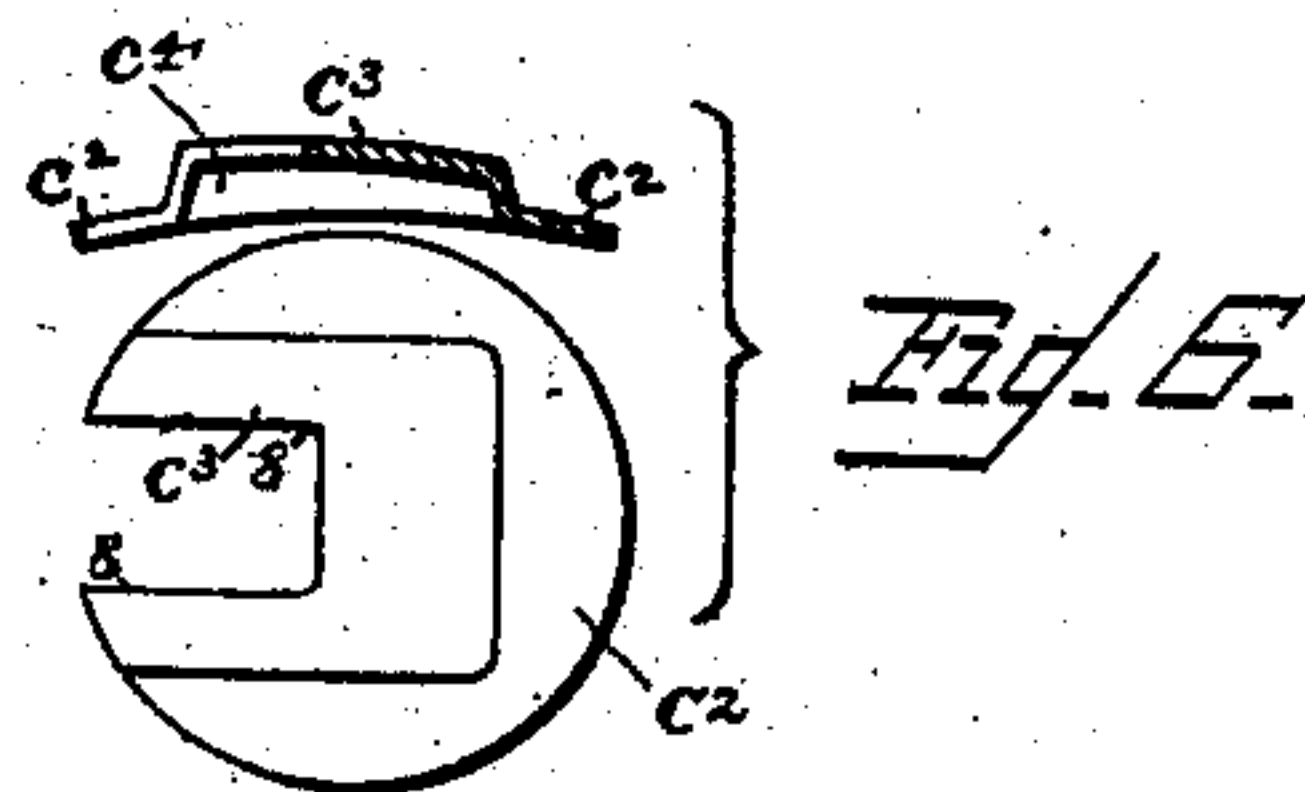
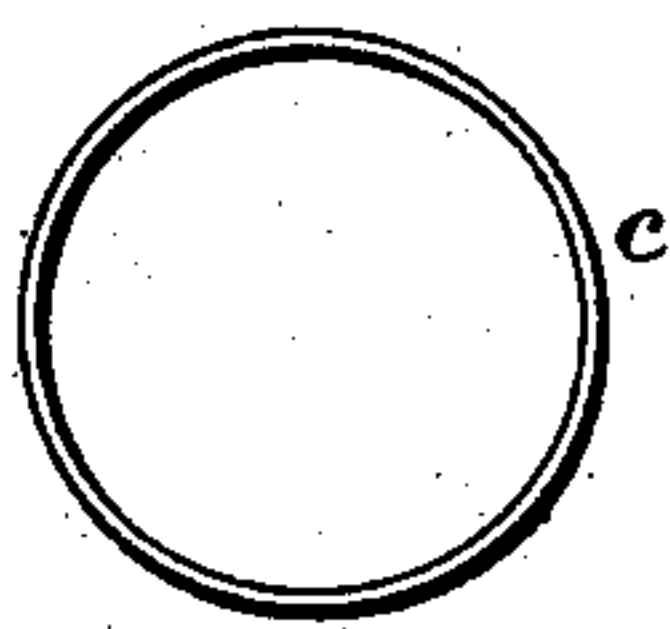


Fig. 5.



WITNESSES
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NELS NELSON, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO HIRAM HOWARD, OF SAME PLACE.

BUTTON OR STUD.

SPECIFICATION forming part of Letters Patent No. 294,496, dated March 4, 1884.

Application filed October 29, 1883. (No model.)

To all whom it may concern:

Be it known that I, NELS NELSON, of Providence, county of Providence, State of Rhode Island, have invented an Improvement in Buttons or Studs, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention is an improvement on that one shown in my application No. 104,319, filed August 21, 1883, and has for its object a novel construction of parts of the shoe, whereby the post is made quite short.

My invention in buttons consists in the combination, with a slotted and shouldered post, of a shoe composed of a face-plate, a notched and slotted anchor-plate, a back-plate, and a spring, as will be described.

Figure 1 represents in vertical section a button embodying my invention; Fig. 2, a detail of the post detached from the head; Fig. 3, a detail of the anchor-plate; Fig. 4, a detail of the spring; Fig. 5, a detail of the face-plate of the shoe, and Fig. 6 details showing the back-plate of the shoe.

The button-head A has an attached post, B, notched at *b b* to form wide shoulders 14, and the end of the post turned backward is notched at 15. The face-plate *c* of the shoe is a concaved plate. The back-plate *c*², slotted at *c*³,

is provided with elongated recesses or chambers *c*⁴, in which travel the upper portions of the said shoulder next the notches *b b*, as the shoe C is turned on the post B. The anchor-plate *d*, placed in the shoe between the plates *e e*², has a wide slot, *d'*, and side notches, 10 10, (see Fig. 3,) into which the wide edges of the shoulders 14 of the post rest. The spring *s*, placed in the notch 15, rests at its ends against the concaved side of the face-plate *c*. The notches *b b* receive the edges 8 8 of the back-plate, and the said edges travel in the slots *b b* as the shoe C is turned about the post, the turning-points being where the shoulders 14 come in contact with the anchor-plate.

I claim—

In a button, the post B, having its end turned back, and provided with the notches *b* and wide shoulders 14, combined with the slotted back-plate *c*², having the elongated recess *c*⁴, the anchor-plate having the notches 10, the face-plate, and the spring *s*, to operate all substantially as described.

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

NELS NELSON.

Witnesses:

LOUIS L. ANGELL,
W. EDWARD FISKE.