(No Model.)

E. IVINS & D. SNYDER.

BUTTON FASTENING.

No. 290,774. Patented Dec. 25, 1883.

FIG. 1.

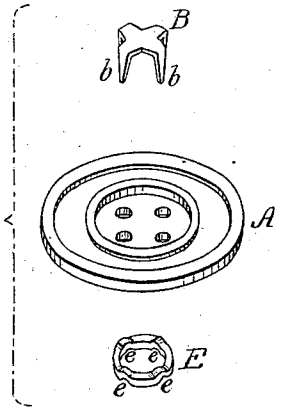


FIG. 2.

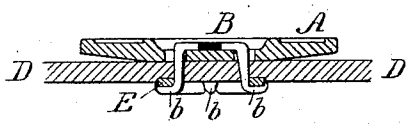


FIG. 4

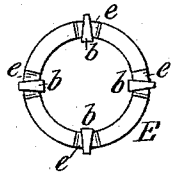


FIG. 3.

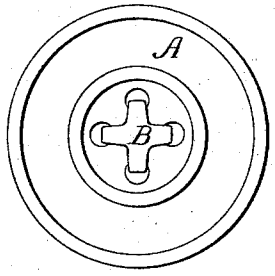
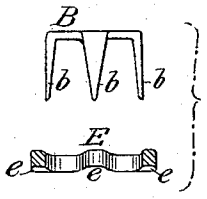


FIG. 5.



WITNESSES:

James F. Johns

Harry L. Ashenfelter

INVENTOR:

Ellwood Ivins

and

Daniel Snyder

by their Attorneys

Howson & Sons

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

ELLWOOD IVINS AND DANIEL SNYDER, OF PHILADELPHIA, PENNSYLVANIA; SAID SNYDER ASSIGNOR TO SAID IVINS; SAID IVINS ASSIGNOR OF ONE-THIRD TO ORLANDO H. SEARLE, OF SAME PLACE.

BUTTON-FASTENING.

SPECIFICATION forming part of Letters Patent No. 290,774, dated December 25, 1883.

Application filed April 30, 1883. (No model.)

To all whom it may concern:

Be it known that we, ELLWOOD IVINS and DANIEL SNYDER, citizens of the United States and residents of Philadelphia, Pennsylvania, have invented certain Improvements in Button-Fastenings, of which the following is a specification.

Our invention relates to that class of button-fasteners in which the button is secured to the material by means of a staple or prongs passed through the material and clinched on the back; and the object of our invention is to so construct a button-fastener of this class that no projecting ends will be left on the inside of the fastener to tear the material or interfere with the comfort of the wearer. This object we attain by combining with the button and prongs or staple a clinching-ring provided with notches for the reception of the ends of the prongs, as more fully described hereinafter.

In the accompanying drawings, Figure 1 is a perspective view, showing the button and the parts of the fastener detached. Fig. 2 is a sectional view of the button fastened to the material. Fig. 3 is a plan view of the same; Fig. 4, an inverted plan view of Fig. 2; and Fig. 5 is a view showing the staple and clinching-ring separately, the latter in section.

Our invention may be applied to various styles of button; but in the drawings we have illustrated it as applied to a button, A, having four holes through it, and with this is combined a staple, B, preferably having as many prongs or legs *b* as there are holes in the button. Those prongs are passed through holes in the button, and also through the leather, fabric, or other material, D, to which the button is secured. Over these prongs *b*, while still straight, is then slipped a clinching-ring, E, having as many notches *e e* as there are prongs *b*, and about as deep as the prongs are thick. The ends of the prongs are then bent outwardly over the ring E into the corresponding notches, and securely clinched, Figs. 2 and 4, so that the prongs do not project beyond the ring or present any projections to tear or wear the clothing or interfere with the comfort of the wearer.

The notches may be formed in the ring by punching up the ring to the form shown in Fig. 1; or the notches may be cut in the ring, if preferred.

Instead of using a staple, B, separate from the button A, it may form part of the button when the latter is formed of metal, the prongs being struck up from the metal of the button, as is well known.

We claim as our invention—

1. The combination of a button and securing prongs with a clinching-ring, E, having notches *e* for said prongs, substantially as set forth.

2. The combination of a button and pronged staple B, with notched clinching-ring E.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

ELLWOOD IVINS.
DANIEL SNYDER.

Witnesses:
HARRY L. ASHENFELTER,
HARRY SMITH.