D. HEATON.

Metallic Fastener for Attaching Buttons to Wearing Apparel.

No. 168,331. Patented Oct. 5, 1875.

FIG 1.

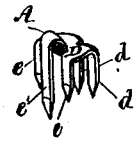


FIG 2.

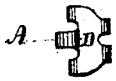


FIG 3.

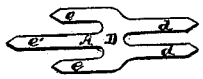


FIG 4.

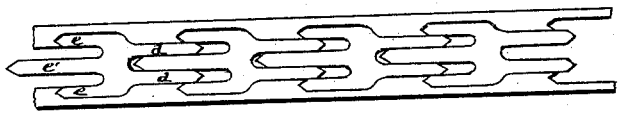
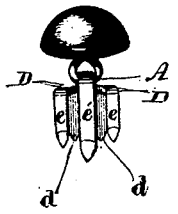


FIG 5.



WITNESSES.

Isaac A. Brownell.

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DAVID HEATON, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN METALLIC FASTENERS FOR ATTACHING BUTTONS TO WEARING APPAREL.

Specification forming part of Letters Patent No. **168,331**, dated October 5, 1875; application filed January 23, 1875.

To all whom it may concern:

Be it known that I, DAVID HEATON, of the city and county of Providence, and State of Rhode Island, have invented a new and Improved Metallic Fastener for Attaching Buttons to Wearing Apparel, of which the following is a specification, referring to the accompanying drawings making part of the same.

My invention consists of a button-fastener constructed of metal, with a loop for connecting the button, a plate to support it in the material, and with three fastening-prongs in front, and two like prongs at the rear, as it is set in the apparel, the object being to attain greater strength and a firmer and more secure hold in the material than heretofore.

In said drawings, Figure 1 is a perspective view of my improved button-fastener. Fig. 2 is a top view of the same. Fig. 3 is a top view of the sheet-metal blank from which said button-fastener is made. Fig. 4 represents a piece of sheet metal, showing the mode of cutting said blanks from it. Fig. 5 is a front view of my improved fastener and the button connected to it.

Similar letters mark like parts in all said figures.

In the drawings, A is the loop or staple of the button-fastener. D is the plate or supporter. *e e e* are the three front fastening-prongs, and *d d* are the two rear fastening-prongs. The staple A is formed by bending the middle one of the three front prongs, *e'*, into a loop, and all the prongs are bent down at right angles to the plate D from the flat condition in which the same are cut from the sheet. The blank, Fig. 3, is cut economically from sheet metal, in the manner shown in Fig. 4, by the usual means, the two rear prongs being cut from the metal in the spaces between the three front prongs of the next blank.

The prongs are put through the material of the apparel, and clinched on the under side of the same, the middle front prong *e'* being clinched in the space between the two rear prongs *d d*, and the two other front prongs outside of all, a little to the rear of the middle one *e'*.

By this arrangement and disposition of the material the whole structure is made very strong and substantial, and its hold on the material is multiplied and rendered permanent, and capable of resisting almost any strain that the button or the material itself can endure.

Having described my invention, I claim—

The fastener having five prongs or spurs, three in front and two at the rear, constructed substantially as described, for the purpose specified.

DAVID HEATON.

Witnesses:

ISAAC A. BROWNELL,

EDWIN C. POMROY.