D. HEATON.

BUTTON.

No. 176,308. Patented April 18, 1876.

Fig. 1.

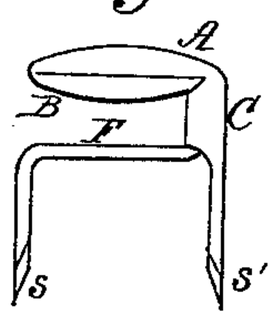


Fig. 2.

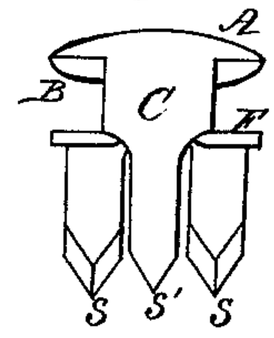


Fig. 3.

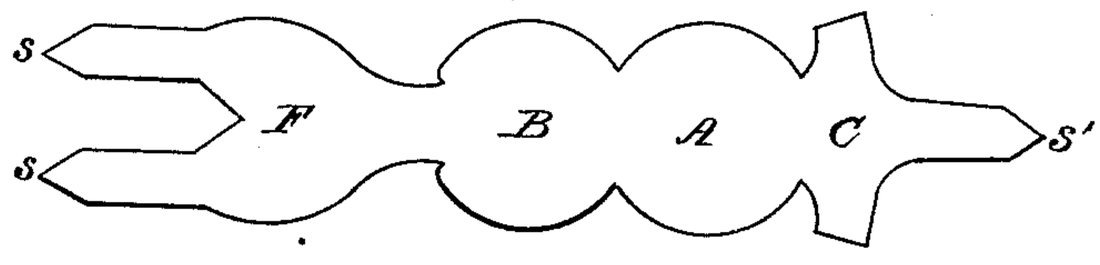


Fig. 4.

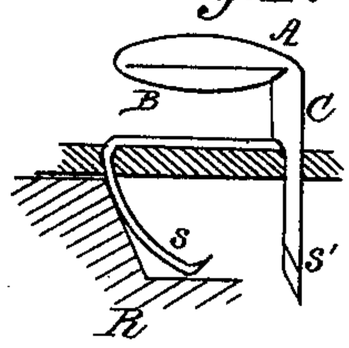
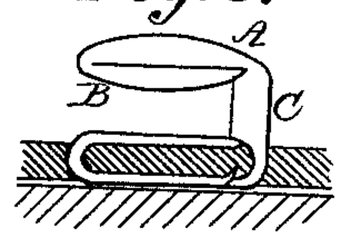


Fig. 5.



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UNITED STATES PATENT OFFICE.

DAVID HEATON, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. **176,308**, dated April 18, 1876; application filed March 13, 1874.

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 certain new and useful Improvements in Lacing-Buttons, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in the construction of lacing-buttons, or devices resembling a button or stud; and consists in providing them at the base with spurs or prongs having tapered or chisel points, for a better adaptation to the material to which the buttons are to be secured, all as will be hereinafter more fully described, and pointed out in the claims.

Referring to the drawings, Figure 1 is a side elevation of a lacing-button with my improved fastening. Fig. 2 is a rear elevation of the same. Fig. 3 is a plan view of the sheet-metal blank from which said lacing-button is made. Fig. 4 is a side elevation of the lacing-button with its fastenings in the act of being set in the apparel. Fig. 5 is a like view of the same with the improved fastenings properly set.

Similar letters of reference occurring on the several figures indicate corresponding parts.

A represents the upper part, and B the under part, of the convexo-concave button-head, which is constructed in all essential particulars as already fully described in a previous patent granted to me under date of November 19, 1872, and numbered 133,223. The button-head has the usual shank C, and is provided with spurs or prongs S S S′, the two front prongs S S being bent at right angles downward from the base F, in the same plane, as shown in Fig. 1, both being in line. The third prong S′ extends below the base at the rear in a parallel plane, and in line with the space between the two in front, as shown in Fig. 2. The bifurcated prong is tapered or chisel-pointed in one direction, and the single prong S′ in the reverse direction, so that when the setting-tool is applied the prongs will bend in the direction in which they are weakened, and the single prong S′ will be clinched between the two points S S of the bifurcated one, leaving a plain, smooth finish on the under side of the material to which they are attached.

By contact with the bending-surface R of the setting-instrument in the act of clinching the prongs, the chisel-points of the same are bent in reverse directions, and then upward into the material through which they have just passed, and are compressed into said material, as shown in Fig. 5.

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 B, shank C, and having the bifurcated prong S S at one side and the single prong S′ at the other, the said prongs being tapered or chisel-pointed in reverse directions to adapt them to be clinched in the manner and for the purpose specified.

DAVID HEATON.

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