(No Model.)

G. E. ADAMS.

BUTTON OR STUD.

No. 267,315. Patented Nov. 14, 1882.

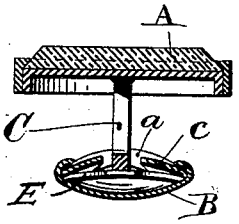

FIG. 1.

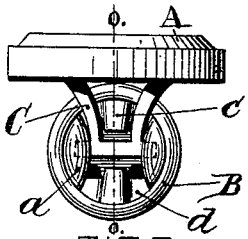

FIG. 2.

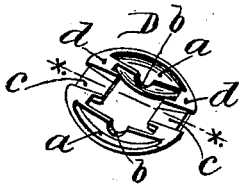

FIG. 3.

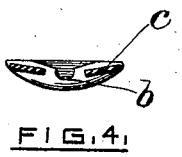

FIG. 4.

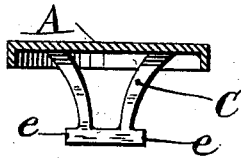

FIG. 5.

WITNESSES:

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BUTTON OR STUD.

SPECIFICATION forming part of Letters Patent No. 267,315, dated November 14, 1882.

Application filed August 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ADAMS, of the city and county of Providence, in the State of Rhode Island, have invented a new and useful Improvement in Buttons or Studs, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to non-separable hinged buttons so constructed that the shoe may be turned upon either side of the post.

Figure 1 is a vertical section of the button through the line *o o*, Fig. 2, showing the post attached to the shoe, and the position of the parts. Fig. 2 is an elevation of the button with the shoe turned to a vertical position upon the post, giving a view of the exterior surface of the attached cap-plate. Fig. 3 is a perspective of the cap-plate, giving a view of the interior of the same. Fig. 4 is a section of the plate through the line *x x*, Fig. 3, showing the slot or notch designed to receive the arm or shoulder of the post. Fig. 5 is a side view of the post, showing the horizontal arms or shoulders projecting from the base thereof.

My invention consists in securing the post to the shoe by means of a perforated or slotted cap-plate or lining, provided with slotted or notched vertical edges projecting from the inner surface thereof, and with depressions designed to receive the prongs of the bifurcated post when the shoe is turned parallel thereto, as is more fully hereinafter set forth.

In the accompanying drawings, A represents the top of the button; B, the shoe; C, the post; D, the cap-plate; *a* and *c*, the elevations; *d*, the depressions; *b*, the slots cut in the vertical edges thereof and designed to engage the arms *e e* of the post C.

The cap-plate, as seen in Fig. 3, is formed by striking or stamping and by removing the central portion of it by a cutter or other means. As thus formed edges project nearly at right angles with the interior or concave surface between the depressions and elevations. In two of the edges the slots *b b* are cut. The arms *e e* are engaged therein by securing the plate to the shoe. A flat spring, E, of steel or other metal, preferably of greater length than width, is placed across the interior of the shoe. The base or horizontal portion of the post is placed thereon, and secured by fastening the lining to the shoe, which may be done by turning the edge of the shoe over upon the edge of the plate. If the spring is of greater length than width it is preferably placed in the shoe at right angles with the base of the post, thus facilitating the turning of the shoe. The shoe is kept in position by the upward pressure of the spring. When the post is secured as above set forth the upper surface of the base thereof is beneath the upper surface of the surrounding elevations, whether the shoe is in a vertical or horizontal position; and when the shoe is turned parallel with the post the prongs thereof rest in the depressions *d d*, whereby a smooth surface is secured, and the shoulder or other projections usually found in buttons of this description, and which hinders the insertion of the button in a cuff, is eliminated.

The parts of this button are few and easily formed, and the construction is simple.

I claim as a novel and useful invention and desire to secure by Letters Patent—

1. A sleeve-button composed of a top having a post rigidly secured thereto, said post being provided with suitable pivots, a hinged shoe inclosing a spring adapted to bear against the end of said post, and a perforated cap-plate having oppositely-located elevations, with depressions formed in the angles thereof, and vertical edges turned downward from the inner or concave surfaces of such elevation, said edges being provided with notches designed to engage with the pivots of the post, all substantially as shown and described.

2. In a sleeve button or stud, the combination of the top A, slotted post C, having arms *e e*, the hinged shoe B, spring E, and perforated cap-plate D, having oppositely-located elevations *a a* and *c c*, and depressions *d*, located in the angles formed by said elevations, and vertical edges provided with notches *b b* for engaging with the post, substantially as shown and described.

GEORGE E. ADAMS.

Witnesses:
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IRVING CHAMPLIN.