

(No Model.)

G. E. ADAMS.  
BUTTON.

No. 469,902.

Patented Mar. 1, 1892.

Fig. 1.

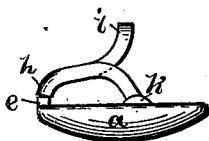


Fig. 2.

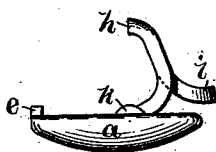


Fig. 3.

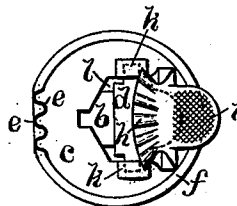


Fig. 4.

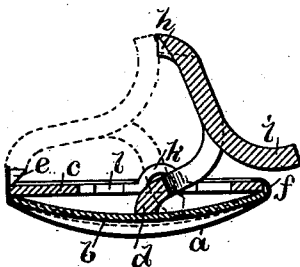
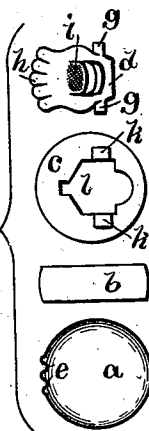


Fig. 5.



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# UNITED STATES PATENT OFFICE.

GEORGE E. ADAMS, OF PROVIDENCE, RHODE ISLAND.

## BUTTON.

SPECIFICATION forming part of Letters Patent No. 469,902, dated March 1, 1892.

Application filed December 17, 1890, Serial No. 374,955. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE E. ADAMS, of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Buttons and Studs; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to an improvement in the class of buttons or studs in which the material is clamped between the button and the shoe; and it consists in the peculiar and novel construction of the button and the clamping-edge, as will be more fully set forth hereinafter.

Figure 1 is a side view of the improved button, showing the same in the locked position. Fig. 2 is a side view of the same in the open position. Fig. 3 is a plan view of the rear of the button, showing the shoe in the open or raised position. Fig. 4 is a sectional view of the button, showing the shoe in the raised position and indicating in broken lines the shoe in the closed position. Fig. 5 represents the button-shell *a*, the spring *b*, the back-plate *c*, and shoe *d* in plan view.

In the drawings, the letter *a* indicates the metal shell forming the button proper. A portion of the edge of the metal shell *a* is crimped, so as to form the two inward-projecting curved bearings *e e*.

*b* indicates a spring-plate, which is placed into the shell and is secured by the back-plate *c*, which is placed into the metal shell *a* and fastened to the shell by forming the edge *f* of the shell *a* over the back-plate *c*, as is clearly shown in Figs. 3 and 4. The shoe *d* is stamped out of a sheet of metal, the pintles *g*, the corrugated clamping-edge *h*, and the thumb-piece *i* being all punched out and bent in suitable dies. The back-plate *c* is stamped in a die to form the raised journal-bearings *k*, in which the pintles *g* of the shoe *d* form the pivotal connection of the shoe *d* with the back-plate *c*. The hole *l* in the back-plate *c*

is formed so that the shoe *d*, when secured, has capacity to rock on its pivoted bearings, and the shoe *d* may be inserted after the back-plate is secured by entering the lower end of the shoe and the pintles through the hole *l* in a position at or nearly at right angles to the position of the raised journal-bearings *k*, into which the pintles are made to enter by turning the shoe when the same is inserted, so that the pintles will enter and will be held in their bearings *k* by the spring-plate *b*. The portion of the shoe extending below the pintles *g* bears on the spring-plate *b*, and the shoe is held in the open as well as the closed position by the same. The thumb-piece *i* is curved backward and its upper surface is roughened, so as to form a convenient lever, by which the shoe is easily removed to release the button.

This button can be used for securing a neck-tie, and by passing the shoe through the holes of cuffs or collars may be conveniently used as a cuff or collar button, and when so used the curved thumb-piece forms a convenient lever, by which the shoe can be operated. The curved projections *e e* of the shell of the button co-operate with the corrugated clamping-edge *h* of the shoe and secure a firm hold on the fabric without injuring the same, as is the case when pointed projections are used which enter the fabric.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the metal shell *a*, provided with the curved projections *e e*, the spring-plate *b*, and the back-plate *c*, of the shoe *d*, provided with the pintles *g*, the corrugated clamping-edge *h*, the curved thumb-piece *i*, and the extension below the pintles bearing on the spring-plate pivotally secured in the back-plate, as described.

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Witnesses:

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