E. W. McGLAULIN.

Buttons.

No. 200,554. Patented Feb. 19, 1878.

Fig. 1.

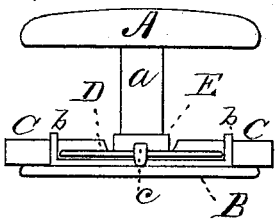


Fig. 2.

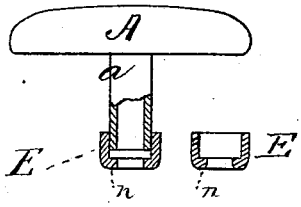


Fig. 3.

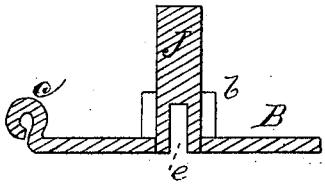


Fig. 4.

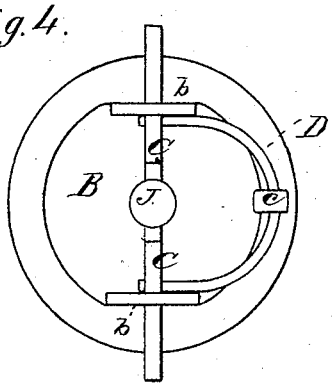
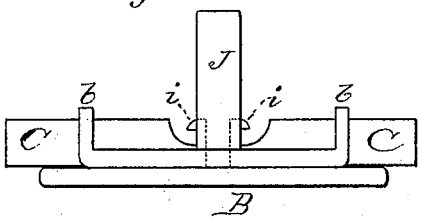


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

EBEN W. McGLAULIN, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. **200,554**, dated February 19, 1878; application filed February 24, 1877.

To all whom it may concern:

Be it known that I, EBEN W. McGLAULIN, of Providence, in the county of Providence and State of Rhode Island, have invented a new and valuable Improvement in Sleeve and Collar Buttons; and do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a side view of my invention. Fig. 2 is a partly-sectional view of the tubular sleeve and back plate, with the head applied. Fig. 3 is a vertical sectional view of the false plate with the solid post attached, and Figs. 4 and 5 are details.

This invention relates to an improvement in that class of sleeve-buttons, studs, and other similar articles which are made principally of two parts, connected together by latches actuated to sustain this connection by springs; and it consists in providing the hollow post of the stud or button with a separate annular head or cap, which is struck up from a perforated disk in such manner as to form a tube or collar having a flange on one end, and which is soldered to the tubular post, and arranged in such manner as to leave an annular groove or space between its flange and the end of the tube to receive the catches or hooks formed on spring-pushers, by which the two parts of the stud or button are held together.

My invention is an improvement upon the stud or button forming the subject of Patent No. 170,144.

In the annexed drawings, the letter A designates the back plate of my improved stud, having the central projecting tubular sleeve or post *a*. B indicates a metallic plate, of base metal, preferably, having two lugs, *b b*, at opposite edges, through which are cut slots for the reception of the catches C, and provided with an eye, *c*, in which is secured the spring D, by means of which the said catches are held to their engagement with the annular head E of post *a*.

Plate B is struck out by a die in blank form, after which the projections are turned up to form the lugs *b b* and eye *c*. A post, J, is soldered into the central aperture in plate B, and a slot is then cut across the plate, and also the lugs and post, Fig. 3. The pushers C are narrow plates, having hooked ends *i i*, and are arranged to slide in said groove.

When the two parts of the button are fitted together the post J enters the tubular post *a*, and the hooked ends *i* of said pushers then catch over the inner edge of the flange *n*, and enter the grooves of head or cap E. Said cap is formed from a perforated disk by striking up the same in suitable dies. It is in the nature of a collar or short tube, having on one end an inward-turned annular flange, *n*.

The head is slipped over the lower end of post *a*, and soldered thereto, as shown in Fig. 2, so that a space or annular groove is left between flange *n* and the circular end of the post.

The use of the cap E enables the post *a* to be made of less diameter than would be otherwise practicable, since it provides sufficient space for the operation of the pushers for causing them to engage with or disengage from the head E.

I am aware that it is not new to make a button in two parts, one adapted to fit into the other, and held together by latches operated by double pushers, and I therefore make no claim to such, broadly; but

What I claim is—

The disk A, having the tubular stud *a* and flanged or head cap E *n*, the latter being struck up from a perforated disk, and soldered to the stud *a*, so as to form the annular groove, as shown, in combination with the stud J and pushers C C, secured to the disk B, and having catches *i i*, all as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

EBEN W. McGLAULIN.

Witnesses:

ALLEN H. GANGEWER,

CHARLES CHAUNCEY.