

M. M. SHUR.

BUTTON LOCK AND FASTENER.

No. 185,976.

Patented Jan. 2, 1877.

Fig. 1.

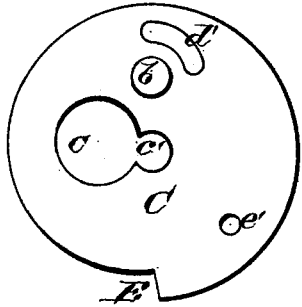


Fig. 2.

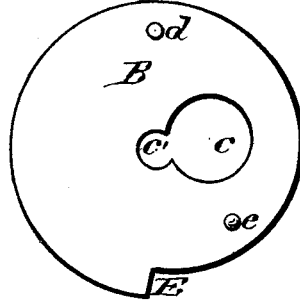


Fig. 3.

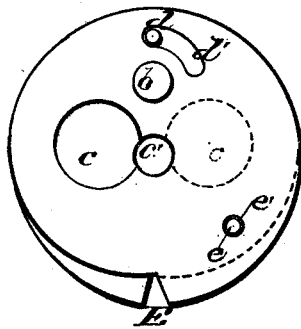


Fig. 4.

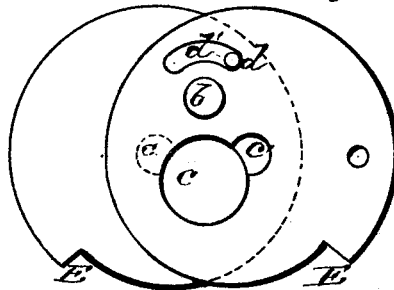


Fig. 5.

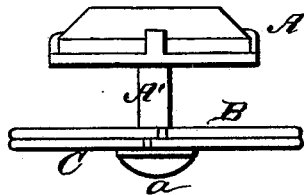
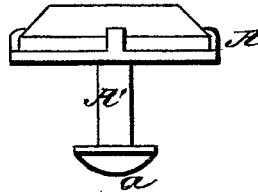


Fig. 6.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN BUTTON LOCKS AND FASTENERS.

Specification forming part of Letters Patent No. **185,976**, dated January 2, 1877; application filed October 27, 1876.

*To all whom it may concern:*

Be it known that I, MILTON M. SHUR, of Denver, in the county of Arapahoe and State of Colorado, have invented a new and valuable Improvement in Button-Fasteners; and I 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 representation of the under plate of my button-fastener, and Fig. 2 is a representation of the top plate thereof. Fig. 3 is a bottom view, showing the two plates locked; and Fig. 4 is a bottom view, showing the same open. Fig. 5 is a front elevation of my button-fastener complete, and Fig. 6 is a front view of the button as detached.

The object of my invention is to secure a safe and adjustable fastening for removable button-studs or ear-drops. This object is accomplished by the use of two perforated eccentrically-pivoted locking plates or disks, hereinafter described.

A designates a button, and A' a shank, made solid therewith, and provided at its end with a knob or enlargement, *a*. B and C, respectively, designate locking plates or disks, which are eccentrically pivoted to one another by means of a pivot-pin, *b*. Each one of these plates is provided, near its center, with a slot or perforation, consisting of a larger part, *c*, and a smaller part, *c'*.

In turning said plates on said pivot, the said slots or perforations pass over one another. When turned toward one another, the

larger parts *c c* of said perforations form an opening of sufficient size to allow the passage of knob or enlargement *a*. By turning said plates away from one another, the smaller parts *c' c'* of said perforations are brought opposite to each other, reducing the size of the opening through said plates, so as to prevent enlargement *a* from passing through the same, thereby attaching shank A' and button A to said plates B and C. The rotary movement of said disks or plates over one another is guided and limited by means of a stud or pin, *d*, on plate B, which pin works in a curved eccentric slot, *d'*, in plate or disk C. Said pin and slot may be transposed on said plates. Each one of said disks is provided with a shoulder, *E*, on its periphery, so as to facilitate turning the said plates upon their pivots away from one another, these shoulders being by the operator's thumbs. Plate B is also provided with a projection, *e*, which engages with a recess or perforation, *e'*, in plate C, when said plates are turned toward each other. The said pin or projection *e* and recess or perforation *e'* operate to fasten said buttons, but they are easily separated. Said pin and recess may be transposed.

What I claim as new, and desire to secure by Letters Patent, is—

The plates B and C, eccentrically pivoted by means of pin *b*, and said plates having elongated slots *c c'*, stud *d*, and eccentric slot *d'*, substantially as and for the purpose set forth.

MILTON M. SHUR.

Witnesses:

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B. C. ADAMS.