

M. M. SHUR.

BUTTON LOCK AND FASTENER.

No. 185,976.

Patented Jan. 2, 1877.

Fig. 1.

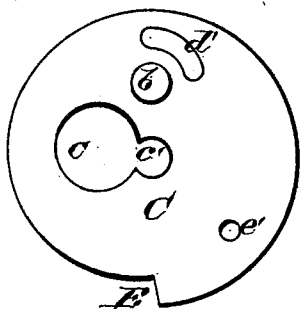


Fig. 2.

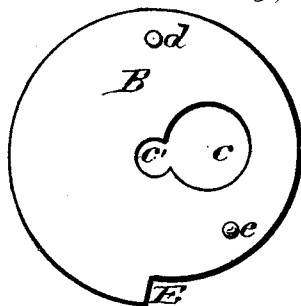


Fig. 3.

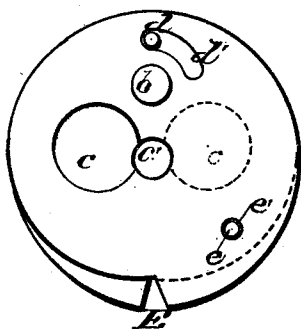


Fig. 4.

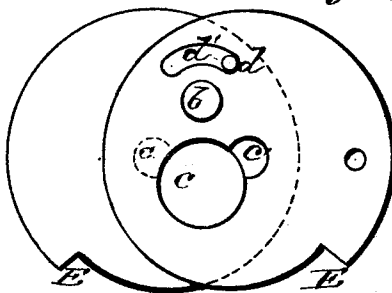


Fig. 5.

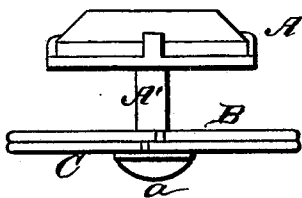
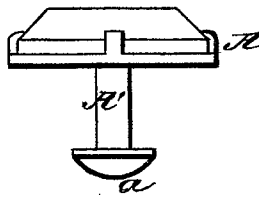


Fig. 6.



WITNESSES.

John F. Jaker
Robert C. Gault

INVENTOR.

Milton M. Shur.
Gilmore, Smith & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

MILTON M. SHUR, OF DENVER, COLORADO.

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:

H. Y. ANDERSON,
B. C. ADAMS.