

(No Model.)

J. S. DILLON.
BUTTON.

No. 321,953.

Patented July 14, 1885.

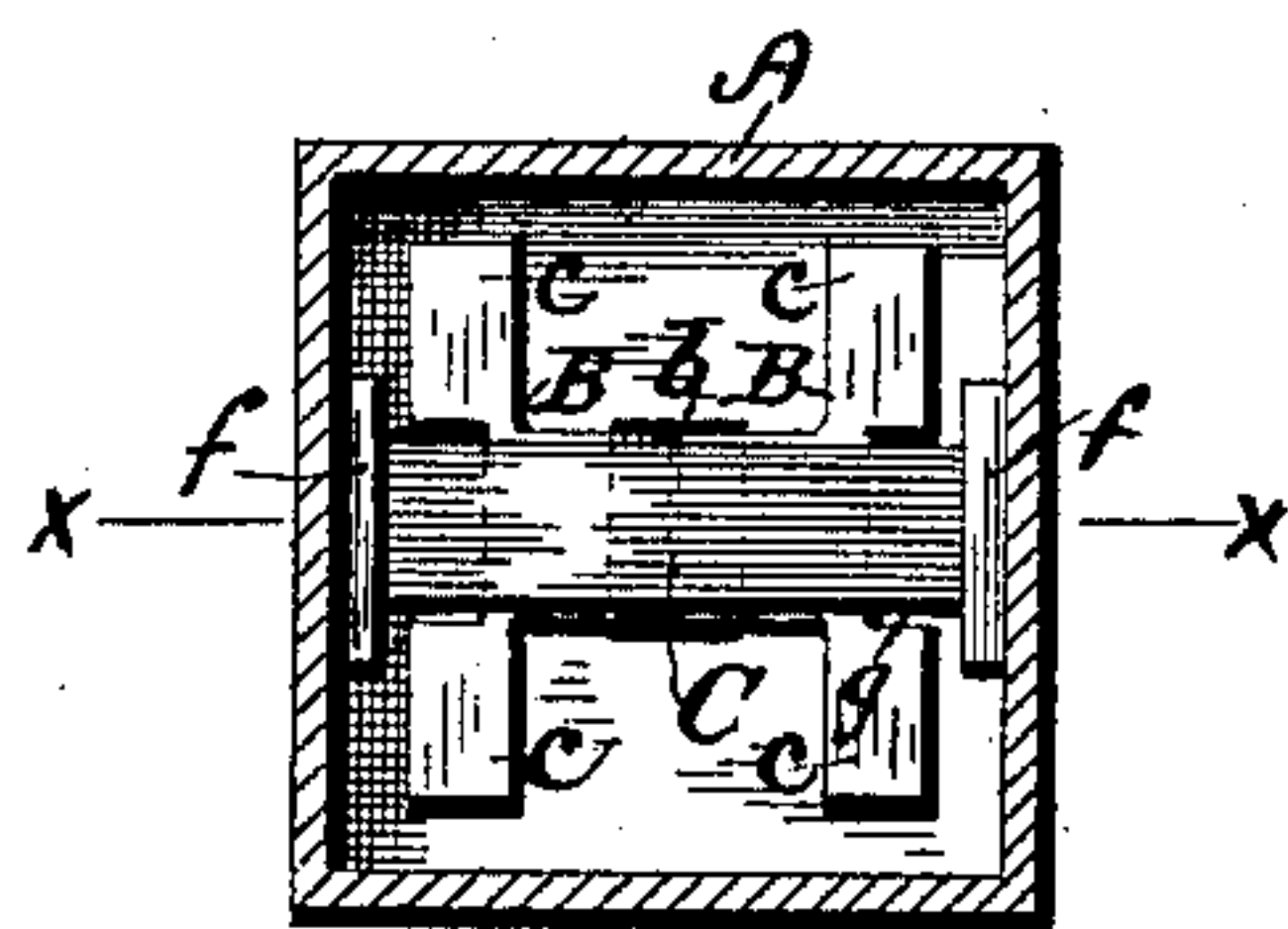


FIG. 1.

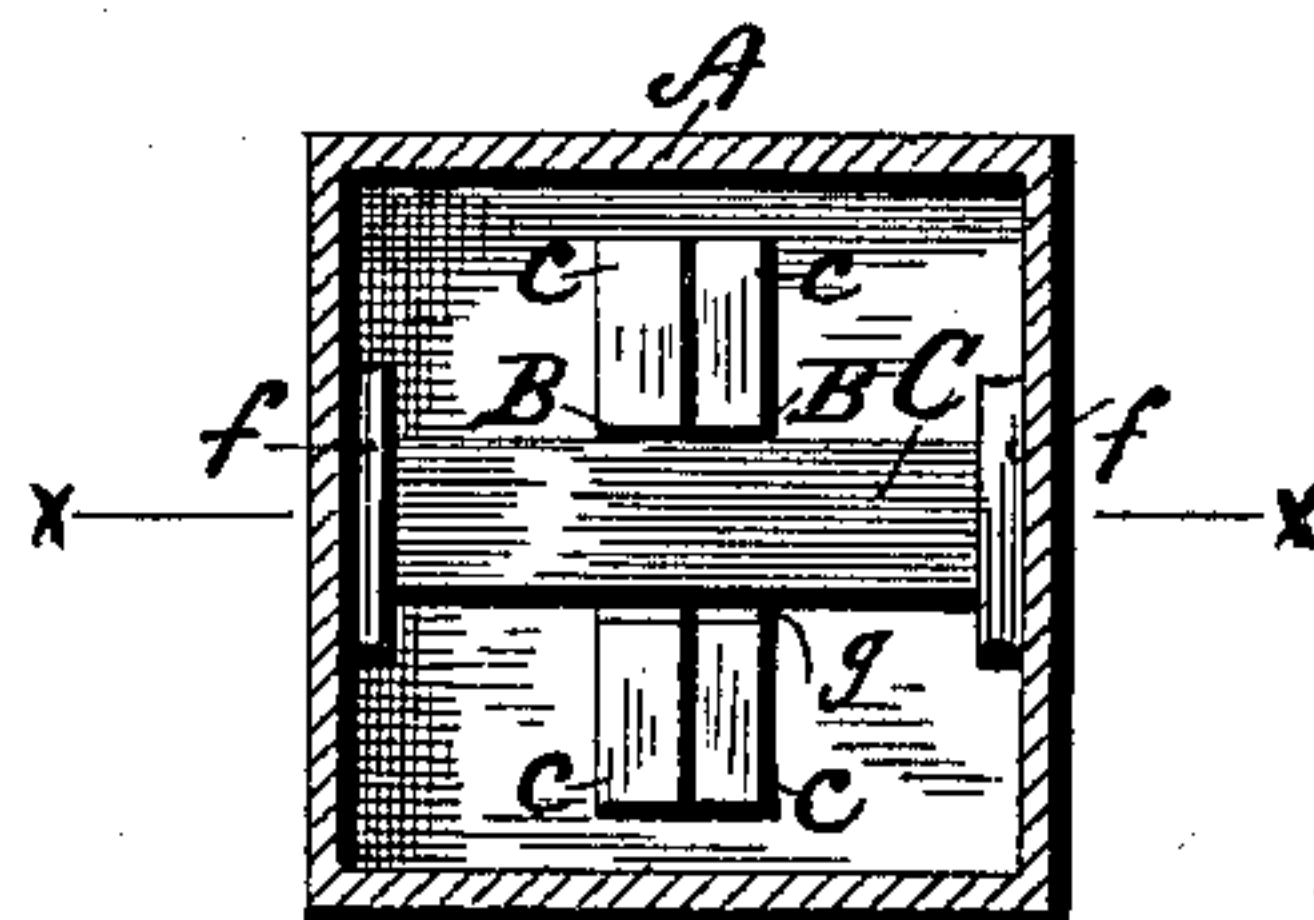


FIG. 3.

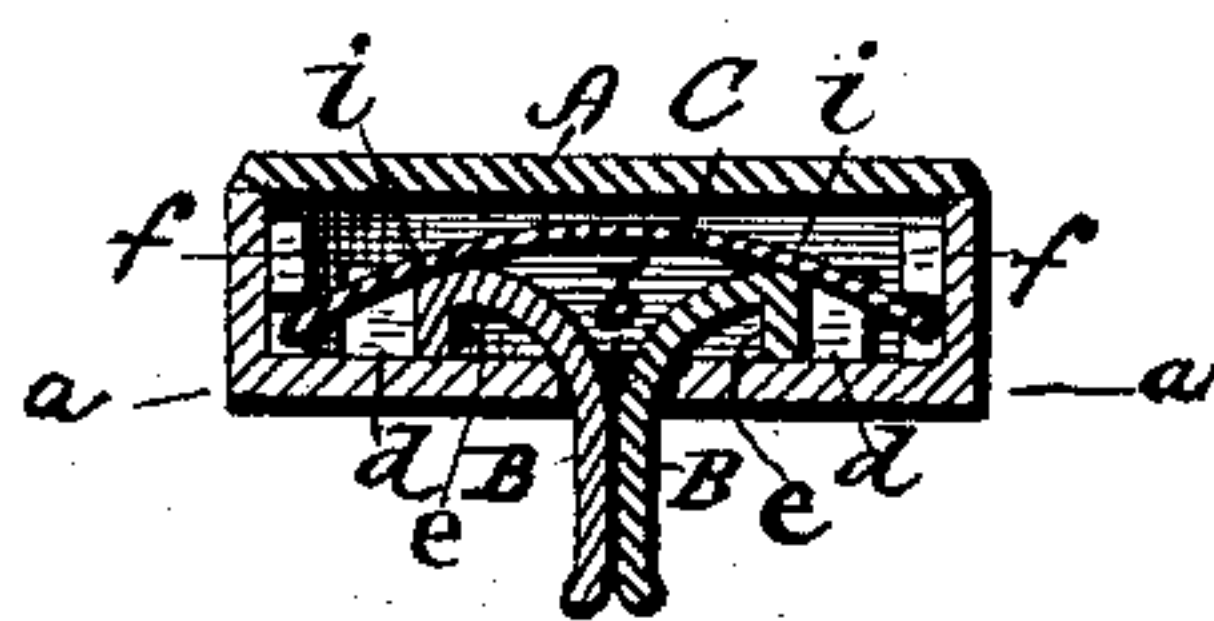


FIG. 2.

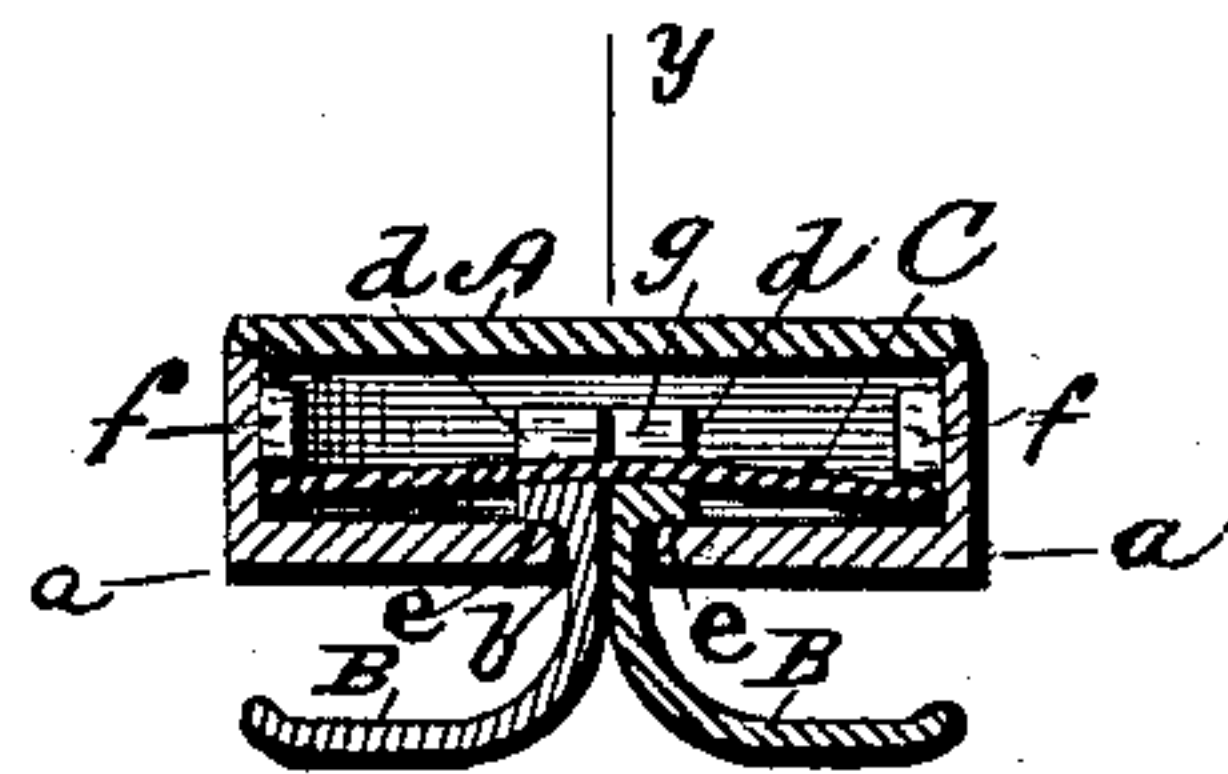


FIG. 4.

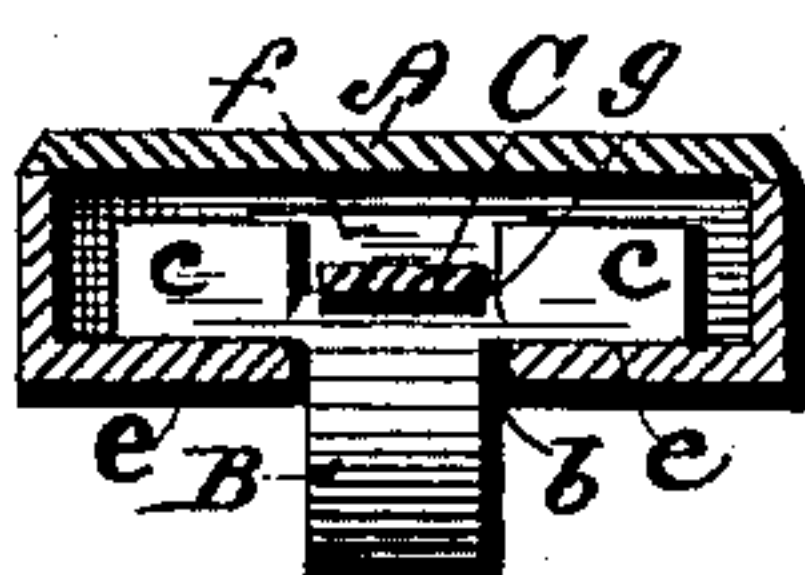


FIG. 5.

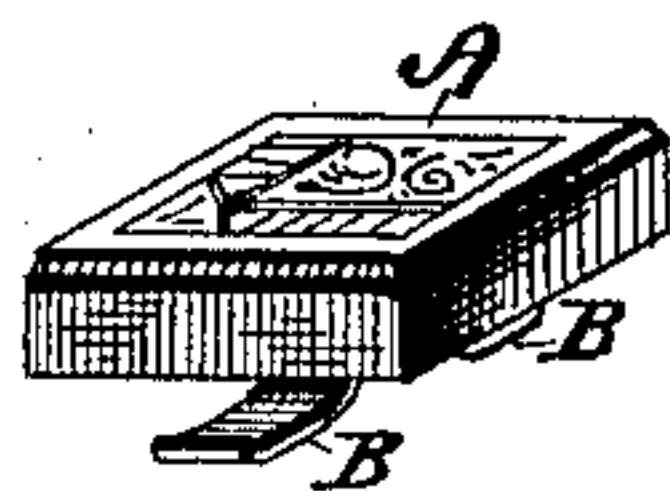


FIG. 7.

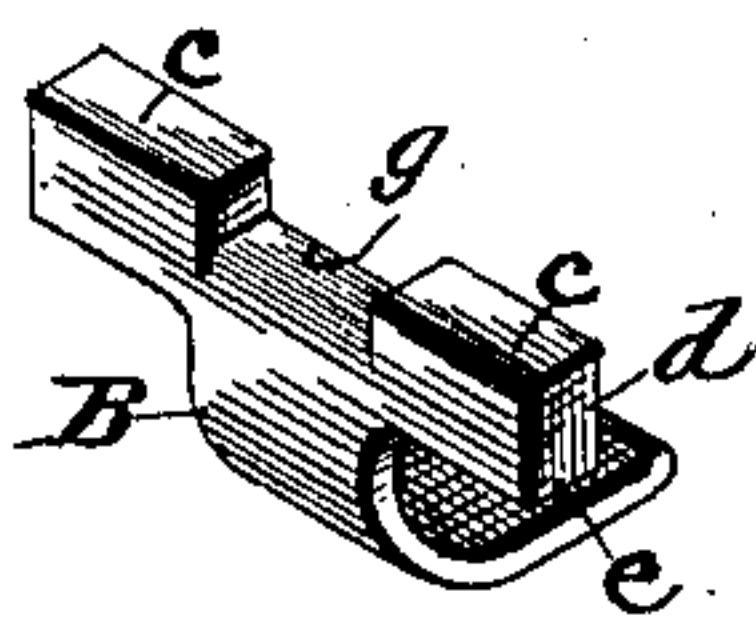


FIG. 6.

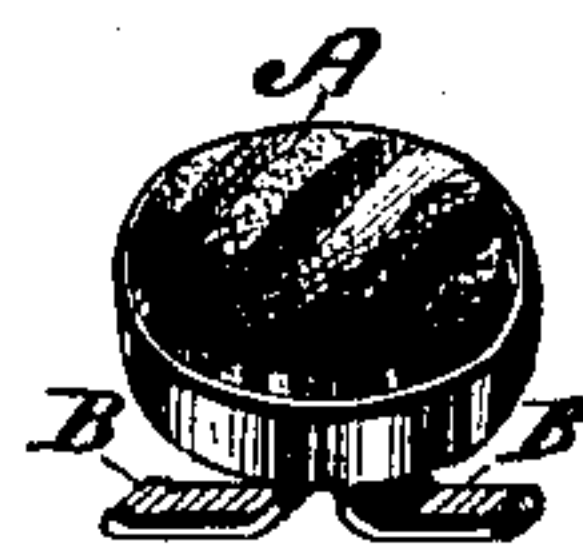


FIG. 8.

WITNESSES:

Chas. F. Schmelz
Joseph J. Scholfield.

INVENTOR:

John S. Dillon
per S. Scholfield
Attorney

UNITED STATES PATENT OFFICE.

JOHN S. DILLON, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO FOSTER & BAILEY, OF SAME PLACE.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 321,953, dated July 14, 1885.

Application filed February 9, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. DILLON, of Providence, in the State of Rhode Island, have invented an Improvement in Buttons, of which the following is a specification.

My invention relates to that class of buttons in which the shoe is made of two hooks, which are adapted to be spread outward from each other when passed through the button-hole; and it consists in the improved construction and combination of the hooks with their operating-spring and the hollow head of the button, as hereinafter set forth.

Figure 1 is a plan view of the interior of the button-head, showing the position of the inner end portion of the hooks when the same are arranged for insertion into the button-hole. Fig. 2 is a vertical section taken in the line *x x* of Fig. 1. Fig. 3 is a plan view of the interior of the button-head, showing the position of the inner end portion of the hooks when the same are fully spread for attachment to the button-hole. Fig. 4 is a vertical section taken in the line *x x* of Fig. 3. Fig. 5 is a vertical section taken in the line *y y* of Fig. 4. Fig. 6 is a perspective view of one of the hooks removed from the head. Fig. 7 is a perspective view of a square-headed button provided with my improvement. Fig. 8 is a perspective view of a round-headed button.

In the accompanying drawings, A is the head of the button, made in box form, and B B are quadrant-shaped hooks, which serve to hold the button in the button-hole. The back plate, *a*, of the head is provided with an elongated perforation, *b*, adapted to receive the hooks B B, and to allow the proper movement of the same in locking or unlocking the button. The inner ends of the hooks B B within the hollow of the button-head are provided with the laterally-projecting horns *c c*, having two flat resting-surfaces, *d* and *e*, at about a right angle to each other, the surface *e* extending radially of the quadrant-formed hook. The flat spring C, which serves to hold the hooks in proper position, is held under the lugs *f f*, secured to the opposite sides of the box, and is also adapted to pass through the notch *g* between the horns *c c*, and to

press downward upon the inner end of the hooks. When the outer ends of the hooks are brought together, as shown in Figs. 1 and 2, the downward pressure of the spring C upon the point *i* will hold the flat surface *d* of the horns against the surface of the back plate, thus serving to hold the hooks firmly in proper position for insertion into the button-hole. The locking position of the hooks is shown in Figs. 3 and 4, which show the horns *c c* as turned at a right angle to their former position, the downward pressure of the spring C causing the flat surface *e* of the hooks to rest against the back plate, thus holding the hooks at their locking position in the button-hole.

From the above description it will be apparent that by supporting the horns or shanks of the hooks within the hollow head with a limited movement in the arc of a circle under the tension of the spring contained in the said head, I make the pivoted point on the changing bearing-surface of the two hooks or arms constituting the post of the button. This construction also enables me to keep the working parts of the button concealed from view, and to dispense with the projections and shoulders ordinarily formed on the under plate in buttons of this class. The shanks of the hooks being contained in the button-head, the hooks themselves need only be long enough to hold the thickness of the cuff or other article between them and the bottom plate of the button, this plate being perfectly plain.

I claim as my invention—

The combination, in a button, of the hollow head and post, consisting of two hooks having laterally-extending spring-seated shanks pivoted within the head and exterior straight portions, a spring therein bearing upon the said shanks, and a plain bottom plate having a central slot to admit of the passage of the hooks, said hooks bearing against each other at their lower ends or straight portions when closed and at their upper ends when opened, all substantially as described.

JOHN S. DILLON.

Witnesses:

SOCRATES SCHOLFIELD,
THEODORE W. FOSTER.