(No Model.)

I. C. WILLIAMS.

CUPBOARD CATCH.

No. 362,805. Patented May 10, 1887.

Fig. 1.

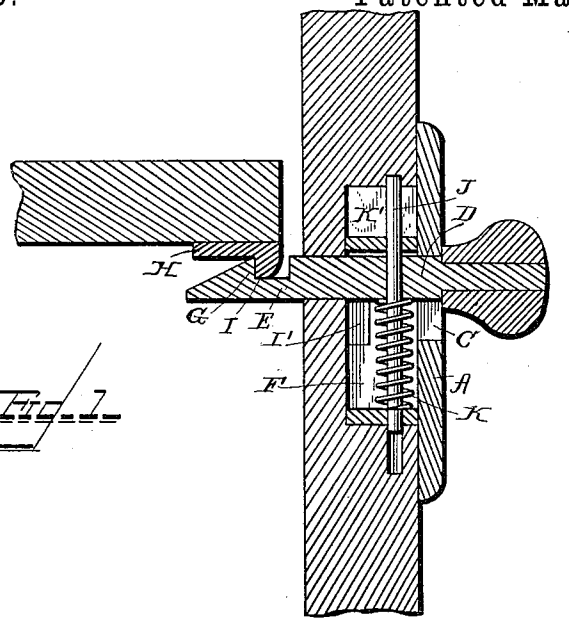


Fig. 2.

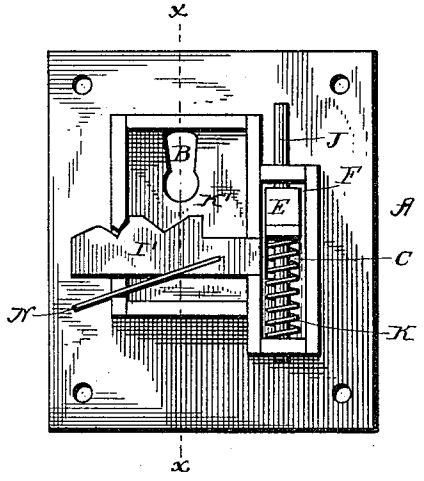
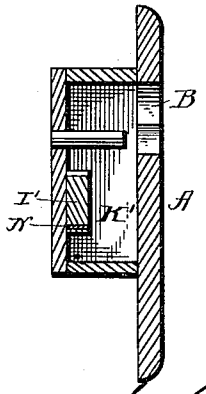


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

ISAAC C. WILLIAMS, OF AUBURN, WEST VIRGINIA.

CUPBOARD-CATCH.

SPECIFICATION forming part of Letters Patent No. 362,805, dated May 10, 1887.

Application filed October 25, 1886. Serial No. 217,163. (No model.)

To all whom it may concern:

Be it known that I, ISAAC C. WILLIAMS, a citizen of the United States, a resident of Auburn, in the county of Ritchie and State of West Virginia, have invented certain new and useful Improvements in Cupboard-Catches; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a vertical sectional view of my invention. Fig. 2 is a rear view of the face-plate with the rear wall of the chamber K′ removed. Fig. 3 is a section taken on line *x x*, Fig. 2.

My invention relates to cupboard-catches; and it consists in the construction and novel combination of parts, as hereinafter described, and pointed out in the claims.

Referring by letter to the accompanying drawings, A designates the face-plate of the catch, which is provided in its corners with screw-holes, through which the securing screws are passed into the door to hold the same in place. The face-plate A is also provided with a key-hole, B, and a slot, C, through which the neck or stem D of the sliding catch E projects. On its outer or projecting end the stem D is provided with a knob by which to move the sliding catch.

The face-plate A is provided on its rear face, immediately in rear of the slot C, with a small rectangular chamber, F, which is open in its rear, so that the rear portion, G, of the sliding catch E may project through to engage the keeper-plate H, which is secured to the lower face of the cupboard-shelf for the purpose of keeping the cupboard-door closed when desired. The sliding catch is beveled at its inner end on its upper face, and is provided with a transverse notch, I, in its upper side, which notch I is designed to engage the keeper-plate H when the door is closed.

The sliding catch E is provided with a cross-pin, J, which is encircled by a spiral spring, K, which bears against the catch and also against one end wall of the chamber F, and holds said catch E normally in the latching position. The cross-pin J slides in its seats in the ends of the open chamber F, the distance said cross pin travels being limited by the length of the slot C in the face-plate.

At the side of the small chamber F a larger chamber or box, K′, is constructed, said chamber or box being recessed in the rear edges of its side walls to receive the ends of the bolt I′, which is provided in its upper edge with the wards for the key and is provided in its back edge with a spring, N, which holds it normally in engagement with the seats in which it slides. The chamber K′ is closed by a rear wall, which retains the bolt I′ in its seats.

When the bolt is not shot forward, the sliding catch operates as a simple catch; but when the bolt has been shot forward the catch is locked in position, and the device is converted into a lock and holds the door closed.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the face-plate provided with the rectangular open chamber on its rear face, of the notched sliding catch having the cross-pin passing through its shank, and the encircling spring arranged to press laterally upon the bolt, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

ISAAC C. WILLIAMS.

Witnesses:
F. A. WOOFTER,
J. T. STASEL.