R. McD. ROSS.

CUPBOARD DOOR CATCH.

APPLICATION FILED JUNE 24, 1913.

1,128,523. Patented Feb. 16, 1915.

Fig. 1.

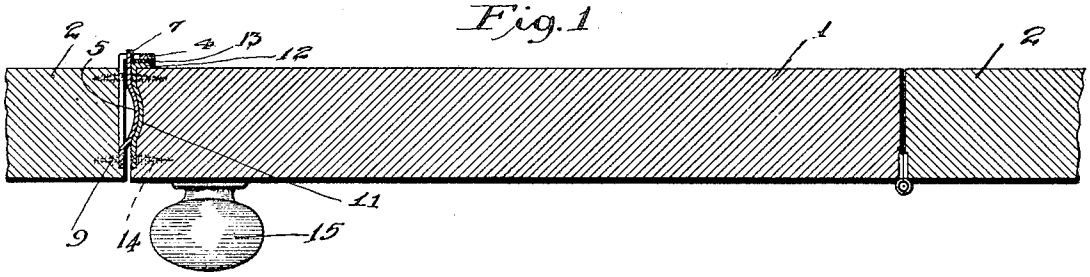


Fig. 2.

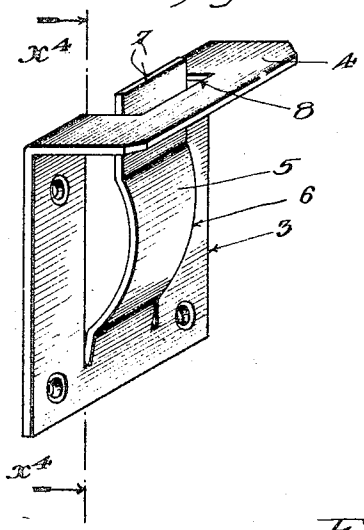


Fig. 3.

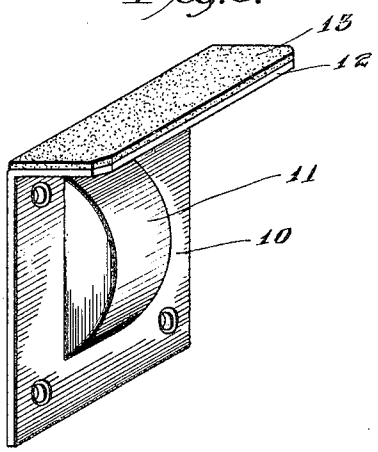
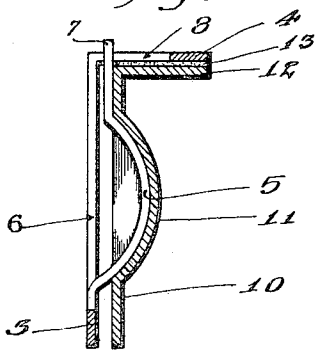


Fig. 4.



Witnesses:
Sully Russo
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Robert McD. Ross.
by Ryan & Hackley attys.

UNITED STATES PATENT OFFICE.

ROBERT McDILL ROSS, OF LOS ANGELES, CALIFORNIA.

CUPBOARD-DOOR CATCH.

1,128,523. Specification of Letters Patent. Patented Feb. 16, 1915.

Application filed June 24, 1913. Serial No. 775,496.

To all whom it may concern:

Be it known that I, ROBERT McDILL ROSS, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Cupboard-Door Catch, of which the following is a specification.

This invention relates to a device adapted to detachably catch and hold a door in closed position, and has for its object to produce a device of this character which is of simple and economical construction, effective in operation, and durable in use.

Referring to the drawings: Figure 1 is a horizontal section through a door and adjacent door frame, showing the invention as applied thereto. Fig. 2 is a perspective in detail of the stationary portion. Fig. 3 is a perspective in detail of the door portion. Fig. 4 is a section through the complete device in a plane taken on line x^4—x^4, Fig. 2.

1 designates the door and 2 designates the door frame. The cupboard door catch comprises a stationary portion 3 which consists of a plate formed with a flange 4 at right angles and with a spring tongue 5 formed integral with the plate, and having a bowed central portion 6, with a projecting tongue 7 which extends through a notch 8 formed in the flange 4. The stationary portion 3 is secured to the door frame by screws 9.

The door portion is shown in detail in Fig. 3 and comprises a plate 10 which is formed with an integral concave socket portion 11 and with a flange 12 having a pad 13 formed of some yielding material. The plate 10 is secured to the door 1 by screws 14 and when the door is moved into a closed position, the plate 10 presses against the bowed portion of the spring tongue 5 and bends the tongue back somewhat until the socket 11 has been moved far enough to receive the bowed portion 6 of the tongue, which then snugly fits in the socket and the parts are thus yieldingly held in engagement to hold the door closed. The pad 13 strikes against the flange 4 to prevent any noise in closing. To open the door, the knob 15 is pulled upon with sufficient pressure to spring back the tongue 5 which then moves out of the socket 11, releasing the door.

What I claim is:

A door catch, comprising a plate secured to the door frame and having a flange and being formed with a spring tongue, said tongue having an engaging portion and a projecting end, said flange having a notch that guides the projecting end of said tongue, a plate secured to the door, said plate having a socket adapted to be engaged by said engaging portion of said tongue, and said latter plate having a flange that is adapted to strike the flange of the first plate.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 17th day of June, 1913.

ROBERT McDILL ROSS.

In presence of—
GEORGE T. HACKLEY,
F. A. CRANDALL.