

W. E. SPARKS.
 CUPBOARD CATCHES.

No. 185,268.

Patented Dec. 12, 1876.

Fig. 2.

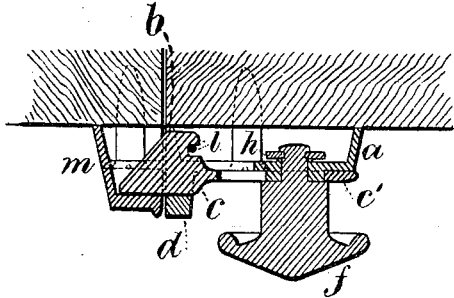
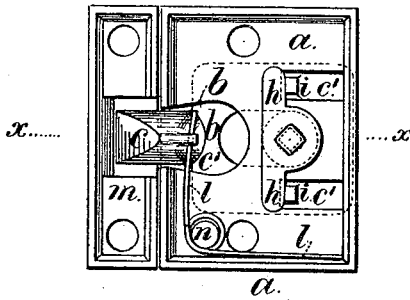


Fig. 1.



Inventor.

William E. Sparks.

per Lemuel W. Serrell

[Signature]

Witnesses.

Chas. H. Smith
 Harold Serrell.

UNITED STATES PATENT OFFICE.

WILLIAM E. SPARKS, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO
P. & F. CORBIN, OF SAME PLACE.

IMPROVEMENT IN CUPBOARD-CATCHES.

Specification forming part of Letters Patent No. **185,268**, dated December 12, 1876; application filed
September 22, 1876.

To all whom it may concern:

Be it known that I, WILLIAM E. SPARKS, of New Britain, in the county of Hartford and State of Connecticut, have invented an Improvement in Cupboard-Catches, of which the following is a specification:

The case is provided with slots for lugs that project from the back of the latch-plate. Such latch-plate slides outside the case, and is held to place by the base of the turning-knob, the shank of which passes through a boss upon the case, and receives the cams that act upon the lugs aforesaid.

In the drawing, Figure 1 is an elevation at the back of the case, and Fig. 2 is a horizontal section at the line *x x*.

This case of the latch is made as a shallow box, *a*, with an opening at *b* for the latch end *c*, which latch end slides beneath the bridle-piece *d* of the case. The plate *c'* of the latch *c* is slotted, and it is guided by a boss upon the case *a*, and held in place by the inner end of the knob *f*, which projects over the edges of the plate *c'* at the slot. The shank of the knob *f* passes through the boss and case *a*,

and receives the cams *h*. There are two lugs, *i i*, upon the back of the latch-plate *c'*, which lugs project through slots in the case *a*, and the cams *h* act against these lugs in withdrawing the latch. The back part of the latch-head *c* is hook-shaped, to receive one end of the wire spring *l*, which is held in place by a coil around the stud *n*. The keeper *m* is of ordinary character.

This cupboard-catch is very strong, durable, and cheap to construct, and not liable to get out of order.

I claim as my invention—

The slotted latch-plate *c'*, sliding upon the surface of the case *a*, and having lugs *i* passing through slots in the case *a*, in combination with the knob *f*, that retains the plate *c'* in place, and the cams *h* and spring *l* within the case *a*, substantially as set forth.

Signed by me this 18th day of September, 1876.

WILLIAM E. SPARKS.

Witnesses:

CHARLES PECK,
HENRY A. BAILEY.