

(Model.)

H. B. AYER.
SHUTTER FASTENER.

No. 248,128.

Patented Oct. 11, 1881.

Fig. 1.

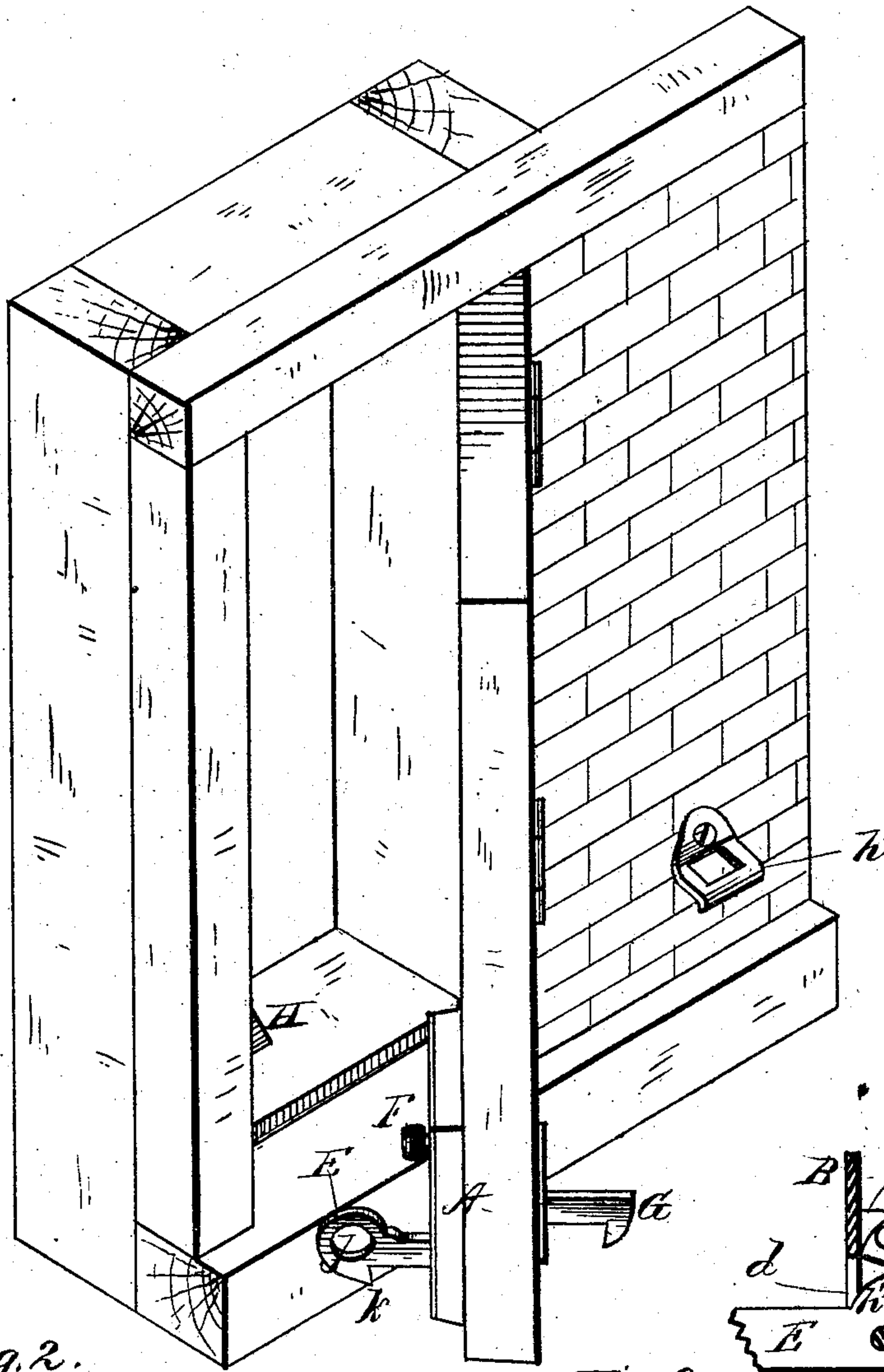


Fig. 2.

A

Fig. 4.

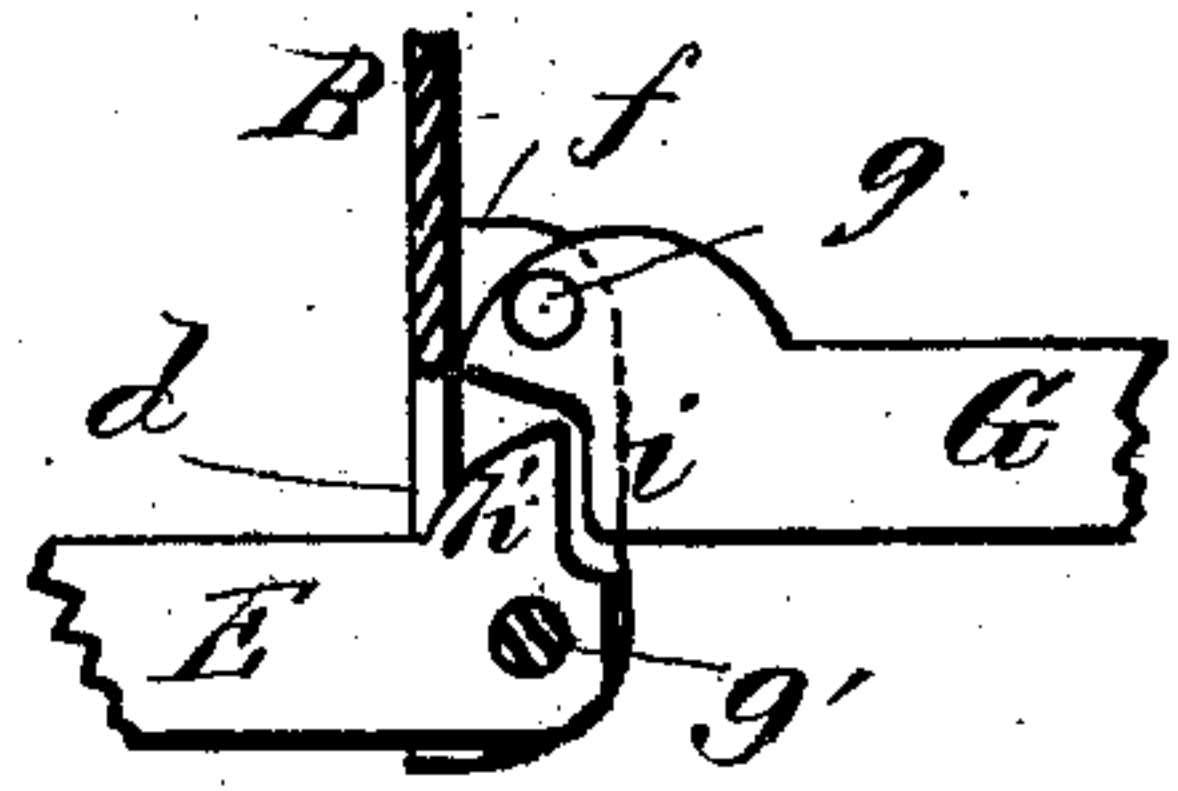
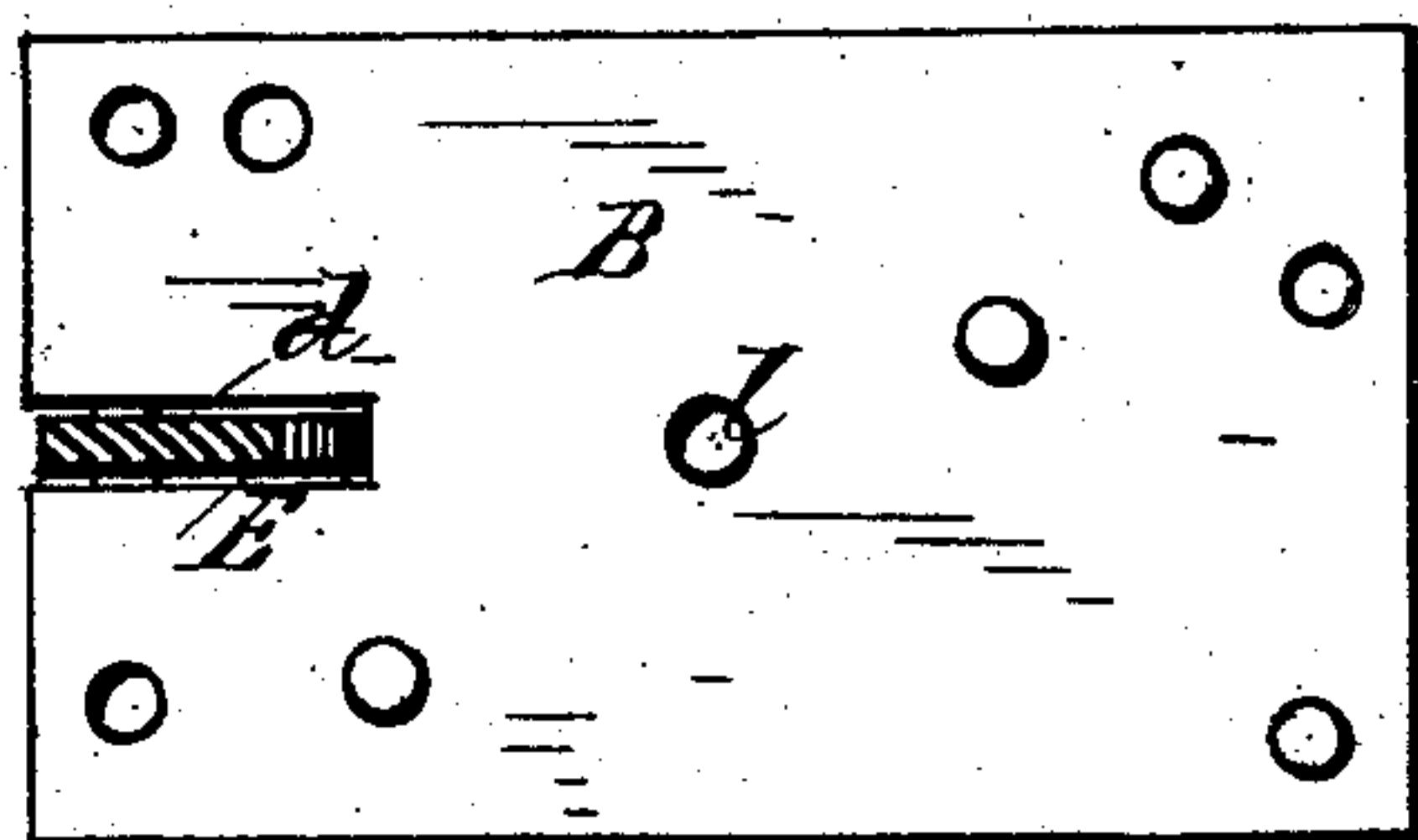
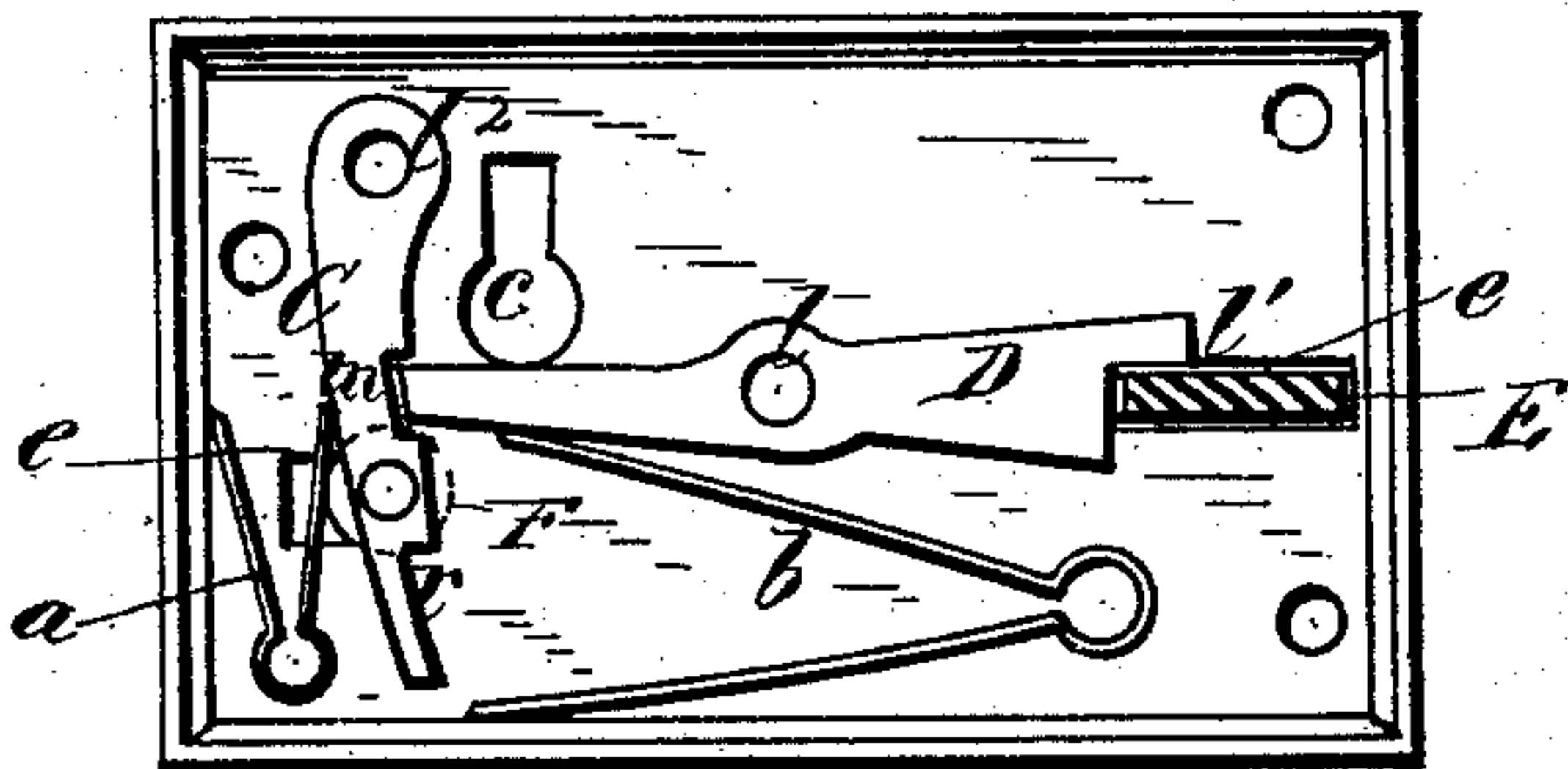


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

HENRY B. AYER, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF ONE-HALF
TO JAMES M. HENNESSEY, OF SAME PLACE.

SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 248,128, dated October 11, 1881.

Application filed August 16, 1881. (Model.)

To all whom it may concern:

Be it known that I, HENRY B. AYER, of New Orleans, in the parish of Orleans, and in the State of Louisiana, have invented certain new and useful Improvements in Blind and Shutter Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to fasteners which are applicable to blinds, shutters, and doors.

The nature of my invention consists in the combination, with a suitable frame or case, of an inside pivoted catch, a locking-bolt, a pawl or dog and springs therefor, and a loosely-pivoted outside catch, all so arranged and constructed that the inside catch for holding the shutter closed serves as a means for unfastening the outside catch from its wall-loop, and said inside catch can be locked securely with or without a key, but cannot be unlocked without the proper key, as will be hereinafter fully explained.

The following is a description of my invention, reference being had to the annexed drawings, in which—

Figure 1 is a perspective view of a door, door-frame, and a portion of the outside wall of a building, showing my improvement applied to the door. Fig. 2 is a view showing the locking-bolt, pawl, and springs inside of the frame or case, the back plate of which is removed. Fig. 3 is an inside view of the back plate. Fig. 4 is a detail of the pivoted ends of the two catches and part of the back plate of the case.

The frame or case of the fastening is composed of a rectangular box, A, and a back plate, B. Inside of the case is a dog or pawl, C, a spring, a, therefor, a locking-bolt, D, and a spring, b, therefor. A hole, c, is provided for the insertion of a key, a slot, d, for receiving the shank of the inside catch, E, and a slot, e, for the neck of a knob or finger-catch, F. On opposite sides of the slot d, and protruding from the back plate, B, are two flanges, f, to which are connected by pivots g' the inside catch, E, and directly above it the outside catch, G. This latter catch, G, extends through the shutter, and is designed for engaging with a wall-loop, h, and holding the shutter open. By raising the inside catch,

E, the outside catch can be freed from its loop. This is effected by a toe, k', acting against a shoulder, i. (Shown clearly in Fig. 4.) In other respects catch G is independent of the catch E.

The shank of catch E passes freely through the slots d and e, and has a loop, j, for the finger, and a hook, k, with a beveled nose, adapted to engage with the sill-piece H. (Partly shown in Fig. 1.)

The bolt D is pivoted to a post, l, and constructed with a right-angular notched nose, l', on one end, adapted to engage with the shank of catch E, as shown in Fig. 2, and safely lock this catch down.

The tapered end of the bolt D is designed to engage in a notch, m, made in the edge of the pawl C, in which position bolt D can only be moved by means of the proper key inserted through the key-hole c.

The pawl C is pivoted to a post, l', in close relation to the key-hole c, and to this pawl the knob F is attached, by means of which the pawl can be raised and the bolt caused to engage with and lock the catch E.

To unlock the bolt it is obvious that the key must be used, and when the bolt is held in an unlocked position to allow catch E to play freely the tapered end of the bolt will be engaged behind a shoulder, r, near the free end of the pawl. When the shutter is closed and the catch E is engaged with the sill-piece H, by simply raising slightly the knob F, the bolt D will lock the said catch, so that it cannot be released from the sill-piece except by the proper key. Of course the bolt can be locked or unlocked by means of the key.

Having described my invention, I claim—

1. The combination, with the pivoted catch E, of the pivoted bolt D and its spring b, pawl C, and its spring a, substantially in the manner and for the purposes described.

2. The combination, with the catch-case provided with a key-hole, c, and pivoted catch E, of the locking-bolt D, its spring, the spring-acted pawl C and its notch m, shoulder r, and knob F, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 1st day of August, 1881.

HENRY B. AYER.

Witnesses:

ANDREW HERO, Jr.,
P. A. ORY.