(No Model.)

J. L. PAINTER.

DOOR OR WINDOW FASTENER AND ALARM.

No. 355,466. Patented Jan. 4, 1887.

Fig. 1.

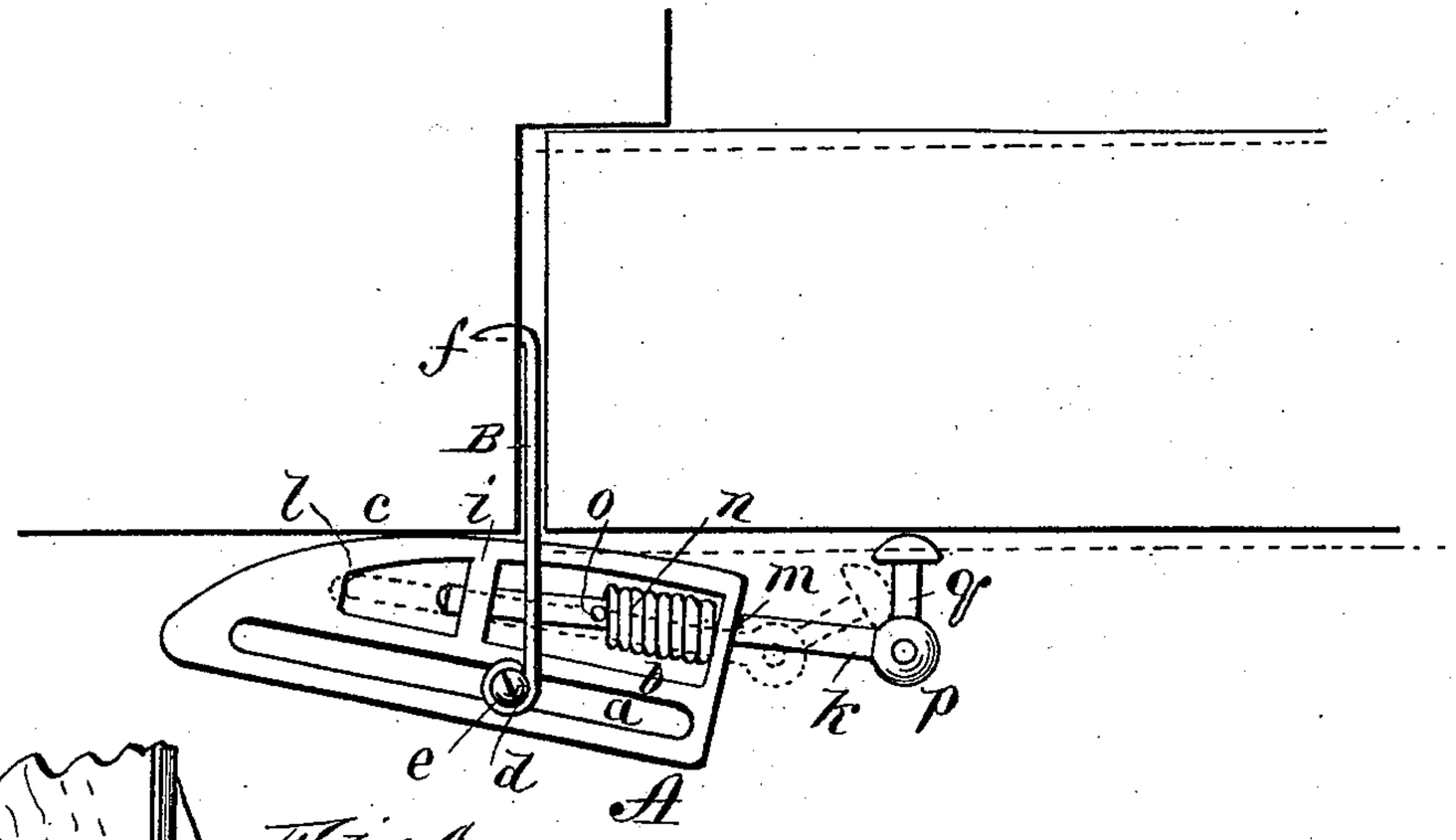


Fig. 4.

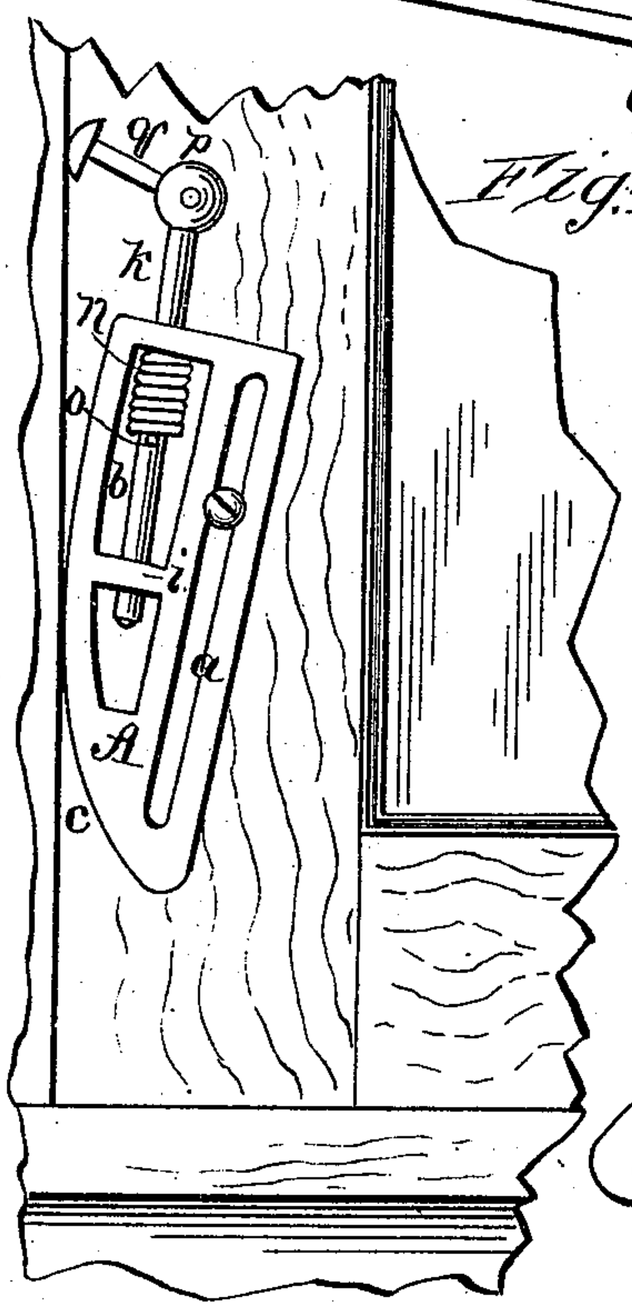
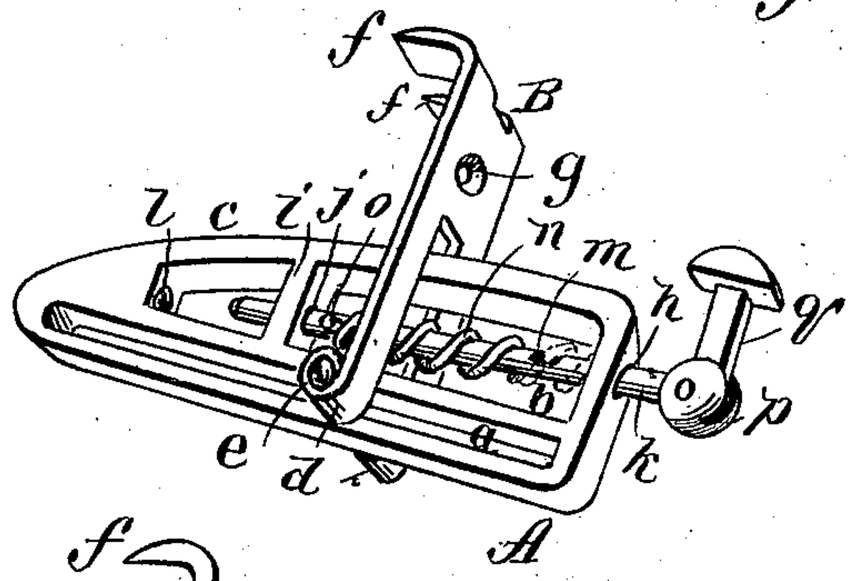


Fig. 2.



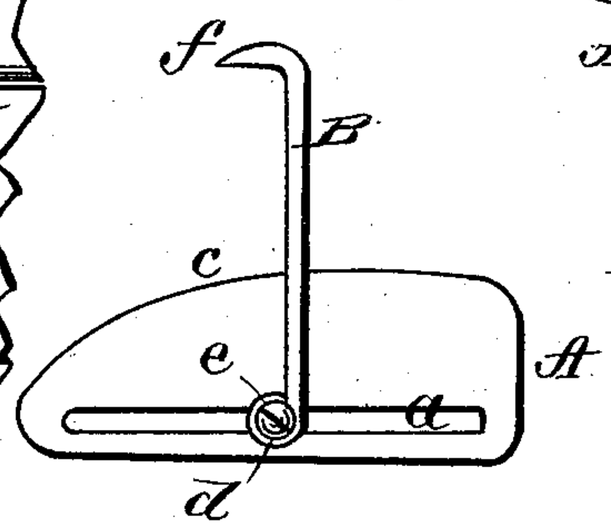


Fig. 3.

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UNITED STATES PATENT OFFICE.

JOHN L. PAINTER, OF BELLEVUE, OHIO.

DOOR OR WINDOW FASTENER AND ALARM.

SPECIFICATION forming part of Letters Patent No. 355,466, dated January 4, 1887.

Application filed October 22, 1886. Serial No. 216,948. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. PAINTER, of Bellevue, in the county of Huron and State of Ohio, have invented a new and Improved Door or Window Fastener and Alarm, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a plan view of my improved door-fastener, showing its application to a door. Fig. 2 is a perspective view of the same detached from the door. Fig. 3 is a plan view of a simple form of the same fastener; and Fig. 4 is a side elevation, showing the application of the fastener to a window.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a simple and effective device for fastening a door or window and for giving an alarm when an attempt is made to open the door or window.

My invention consists in a slotted triangular frame having a convex side, a claw provided with a pivot extending through the slot of the frame, the claw being adapted for insertion in the door-jamb, and a spring-actuated hammer for exploding a percussion-cap for giving an alarm.

The frame A, forming the body of the door-fastener, is provided with a slot, *a*, and an opening, *b*, and has a convex side, *c*, for engagement with the door-casing. A forked claw, B, loosely embraces the frame A, and is provided with knuckles *d* for receiving a screw, *e*, which extends through the slot *a* of the frame A and through the knuckles *d*. The free end of the claw B is provided with the right-angled points *f*, which are adapted to enter the jamb of the door. The claw B is provided with a countersunk screw-hole, *g*, for receiving a screw for permanently attaching the fastener to the door-jamb when necessary.

In the end of the frame A is formed an aperture, *h*, and in the cross-bar *i*, extending across the opening *b* of the frame, is formed an aperture, *j*, for receiving the bolt *k*, and opposite the inner end of the bolt a cavity, *l*, is formed in the body of the frame for containing a percussion-cap. The bolt *k* is provided with a rectangular notch, *m*, in one side thereof for engagement with the end of the frame A, and a spiral spring, *n*, surrounds the bolt, abutting against the end of the frame and exerting a pressure against the pin *o*, inserted transversely in the said bolt *k*. The outer extremity of the bolt *k* is provided with a slotted head, *p*, in which is pivoted a foot, *q*.

The fastener is arranged for use by drawing out the bolt *k* and bringing the notch *m* into engagement with the end piece of the frame A, thus putting the spring *n* under compression. A percussion-cap is then placed in the cavity *l*, and the frame A is drawn back over the door-casing, so as to admit of closing the door, when the edge of the door is closed over the claw B, holding it in position. The frame A is then swung round toward the door or toward the casing, with its convex side next the door, and the frame is moved forward until that portion of it on the inside of the screw *e* nearly fills the space between the said screw and the edge of the door or casing. The foot *q* is then turned around toward the door, as indicated in full lines in Fig. 1. Any attempt to open the door engages the foot *q* and presses the bolt *k* laterally, so as to disengage the notch *m* from the frame A, thus liberating the bolt *k*, allowing the spring *n* to carry the bolt forward and explode the percussion-cap contained by the cavity *l*. The door will be prevented from being opened by striking that portion of the frame A projecting over the edge of the door.

When a fastener without an alarm is desired, the bolt *k* and its spring are omitted, and the frame A is made in the form shown in Fig. 3.

When it is desired to apply the fastener to a window, the claw B is removed and the frame A is loosely secured to the stile of the window-sash by means of a screw, as shown in Fig. 4, in position to wedge against the window-casing when the sash is raised.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. In a door and window fastener and alarm, the combination of the frame A, provided with the slot *a* and cavity *l*, the spring-actuated bolt *k*, having the notch *m*, and the foot *q*, jointed to the bolt, as specified.

2. In a door-fastener, the combination, with the frame A, provided with the slot *a*, of the

forked claw B, embracing the frame A, and the screw *e*, passing through the knuckles of the claw and through the slot of the frame, substantially as described.

3. In a door-fastener and alarm, the combination of the frame A, provided with the slot *a* and cavity *l*, the claw B, connected with the frame, the spring-actuated bolt *k*, provided with the notch *m*, and the foot *q*, jointed to the end of the bolt *k*, substantially as described.

4. The combination, with the frame A, provided with the slot *a* and cavity *l*, of the forked claw B, provided with the knuckles *d*, and the countersunk screw-hole *g*, the screw *e*, passing through the knuckles of the claw and through the slot of the frame, the bolt *k*, having the notch *m* in the side thereof, the spring *n*, and the foot *q*, jointed to the bolt *k*, substantially as described.

JOHN L. PAINTER.

Witnesses:
JESSE VICKERY,
WILLIS VICKERY.