G. S. CLEMENTS.

Burglar-Alarm.

No. 197,334. Patented Nov. 20, 1877.

Fig. 1.

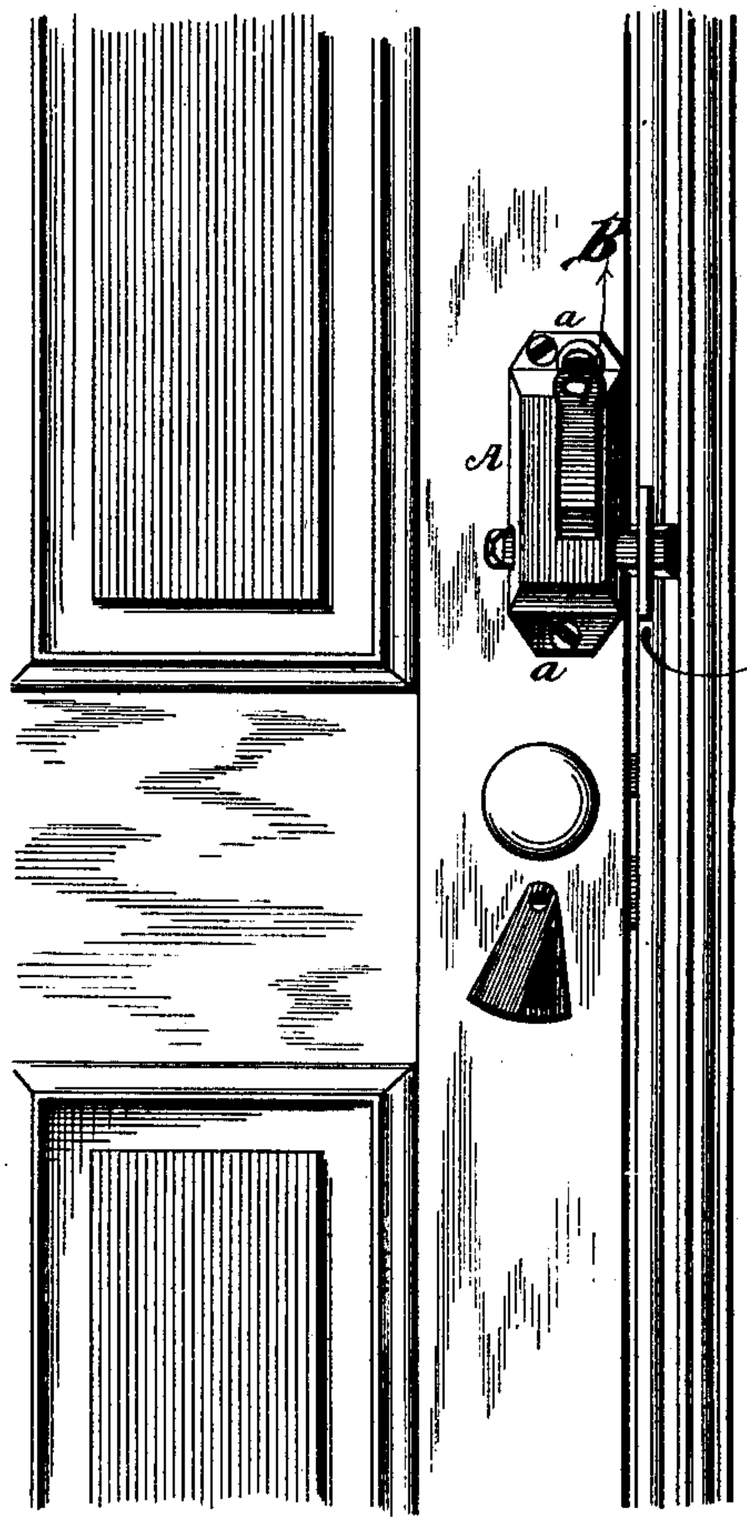

Fig. 2.

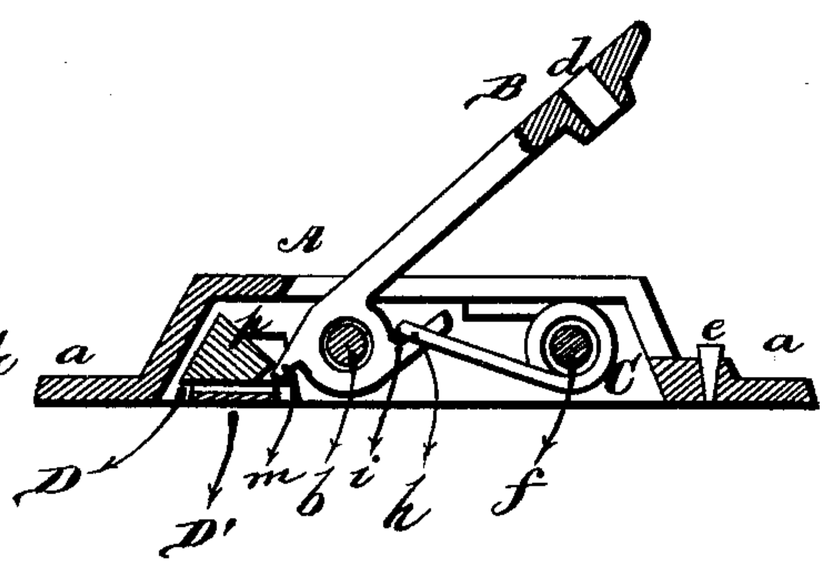

Fig. 3.

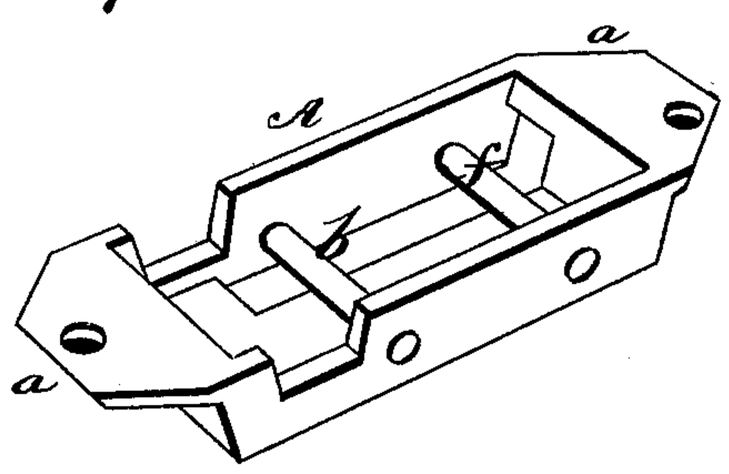

Fig. 4.

WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE S. CLEMENTS, OF NEW LEXINGTON, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOEL C. DECKER, OF SAME PLACE.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. **197,334**, dated November 20, 1877; application filed October 27, 1877.

To all whom it may concern:

Be it known that I, GEORGE S. CLEMENTS, of New Lexington, in the county of Perry and State of Ohio, have invented a new and valuable Improvement in Burglar-Alarm and Sash and Door Fastener combined; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a view of my combined burglar-alarm and sash and door fastener as applied to a door. Fig. 2 is a longitudinal vertical sectional view. Fig. 3 is a perspective view of the box, and Fig. 4 is a perspective view of the bolt.

The nature of my invention consists in the construction and arrangement of a combined burglar-alarm and door or sash fastener, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents the box or case of my device, provided at its ends with projecting ears or flanges *a a*, through which screws are to pass for fastening the case to a door or sash.

On a pin, *b*, within the case is pivoted a hammer, B, the body of which lies in a slot in the case, and has its upper end projecting beyond the body of the case. In this end of the hammer is formed a tube or receiver, *d*, for the insertion of a cartridge, which is to strike a projection or knife, *e*, on the end of the case and thus be exploded.

C represents a wire spring, coiled as shown, said coil being placed around a pin or rivet, *f*, in the case, as shown. One end of the spring bears against the inside of the case A, while the other end forms a hook, *h*, which is placed in a seat or recess, *i*, formed in the inner end of the hammer above the pivot. Below said pivot the inner end of the hammer forms a projection, *m*, as shown.

D represents the bolt, placed in the case below and at right angles to the hammer B. The outer end of the bolt D is made wedge-shaped, tapering inward, as shown; and to the bolt is attached a flat spring, D′, to hold the bolt in place and form a trigger. On the body of the bolt D is formed a notch, *n*, and inclined projection, *p*.

The case A being applied to a door, the bolt is pushed outward to enter an ordinary keeper, G. The hammer B can now be pulled outward, the projection *m* thereon riding over the incline *p* until it becomes caught or locked in the notch *n*. If an attempt is now made to push the door open, the bolt D, on account of its tapering form and by the action of the spring D′, will yield to the pressure and release the hammer, which latter is then thrown down by the spring C, so as to explode the cartridge and thus give the alarm. This device may be applied to windows as well as to doors.

It will be noticed that when the bolt is pushed back the hammer cannot be raised and set. It is only when the bolt has been pushed outward and the door or sash bolted that the hammer can be raised, and hence no mistake can occur.

What I claim as new, and desire to secure by Letters Patent, is—

1. The hammer B, provided with the tube or receiver *d*, recess *i*, and projection *m*, in combination with the spring C, case A, and bolt D, substantially as and for the purposes set forth.

2. The tapering bolt D, provided with the notch *n* and incline *p*, and the spring D′, in combination with the case and hammer, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE S. CLEMENTS.

Witnesses:

J. C. DECKER,

J. J. LANE.