

(Model.)

H. HERRICK & W. L. BABCOCK.

BURGLAR ALARM.

No. 323,810.

Patented Aug. 4, 1885.

Fig. 1.

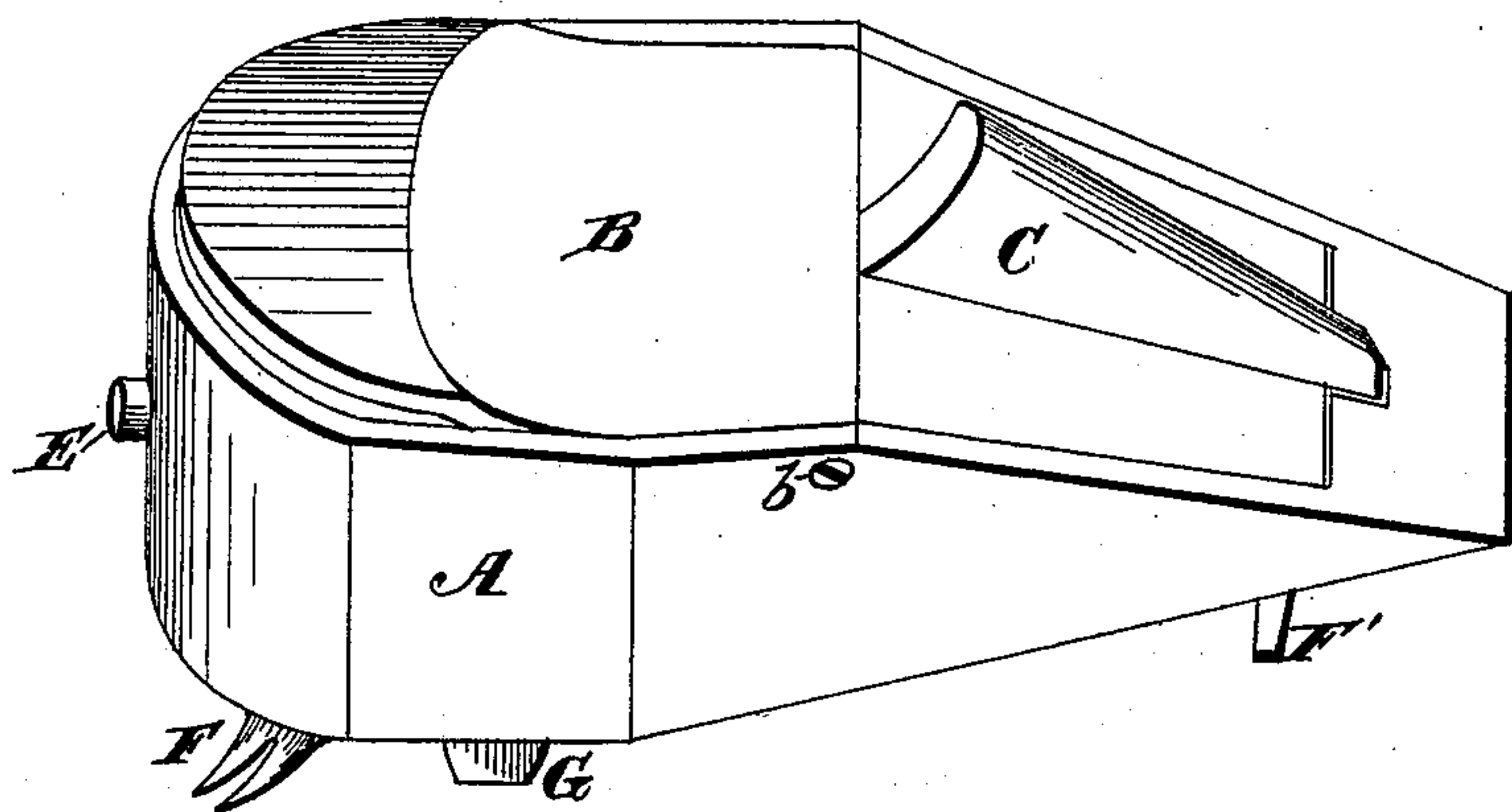


Fig. 3.

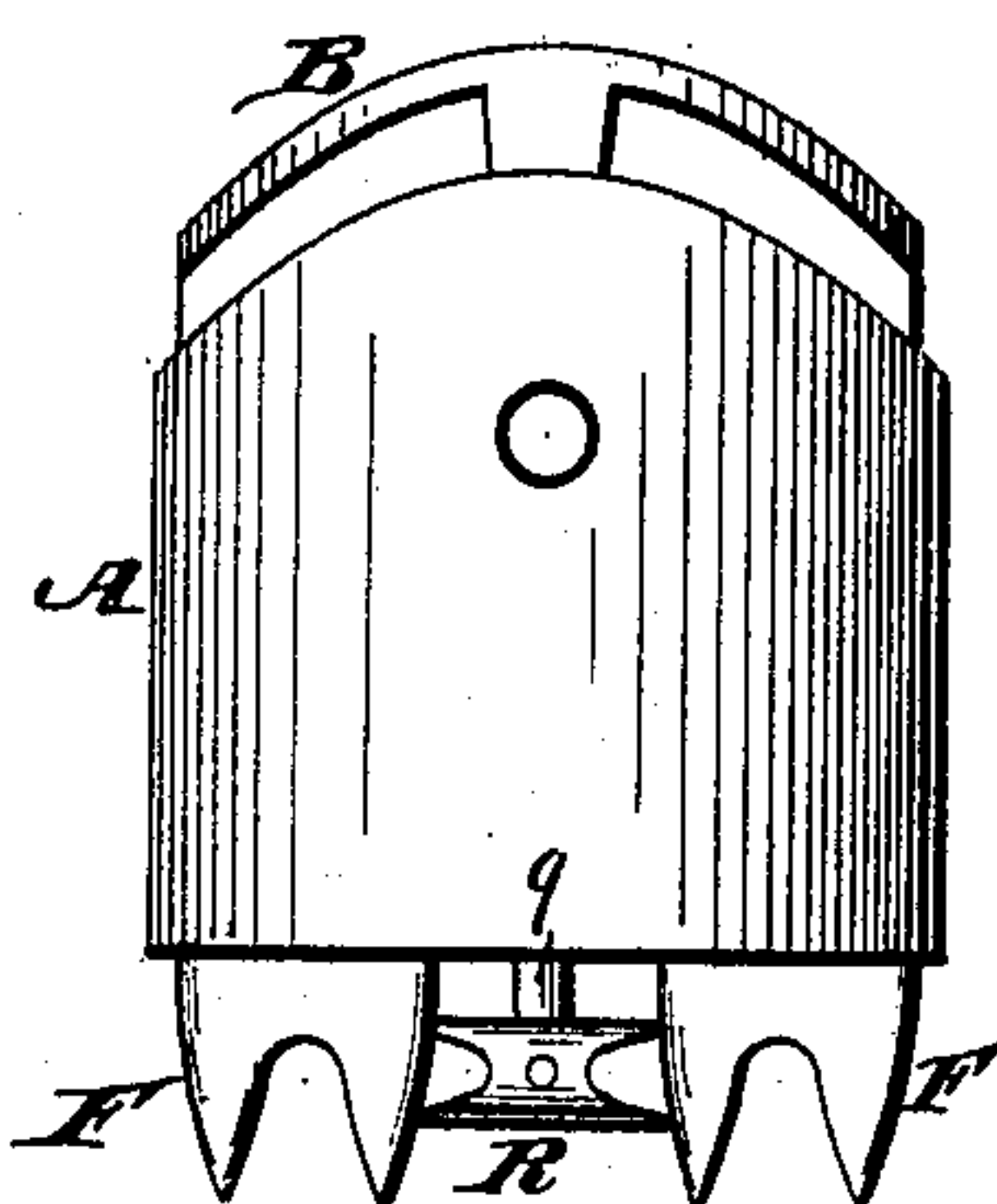


Fig. 2.

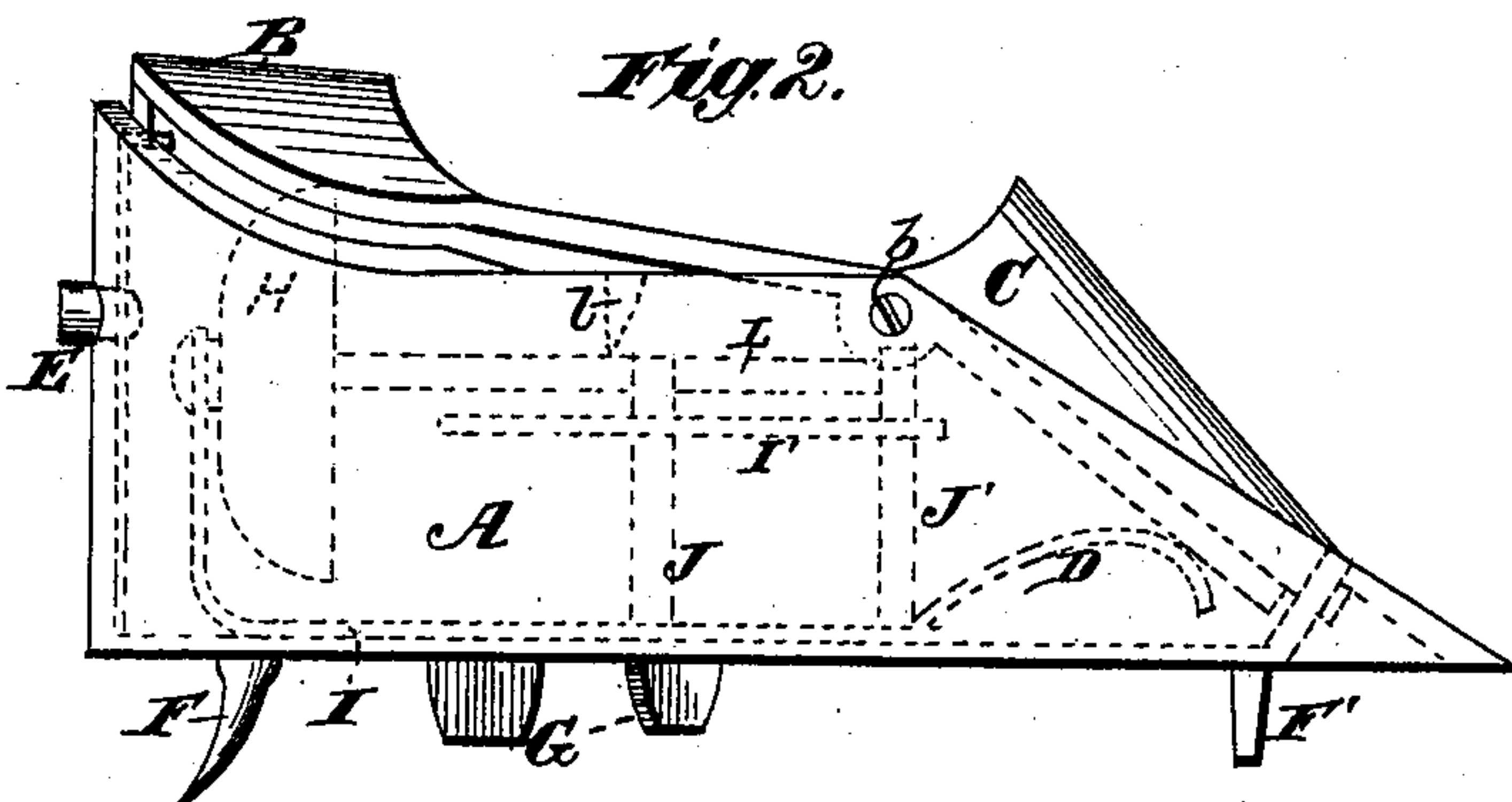


Fig. 4.

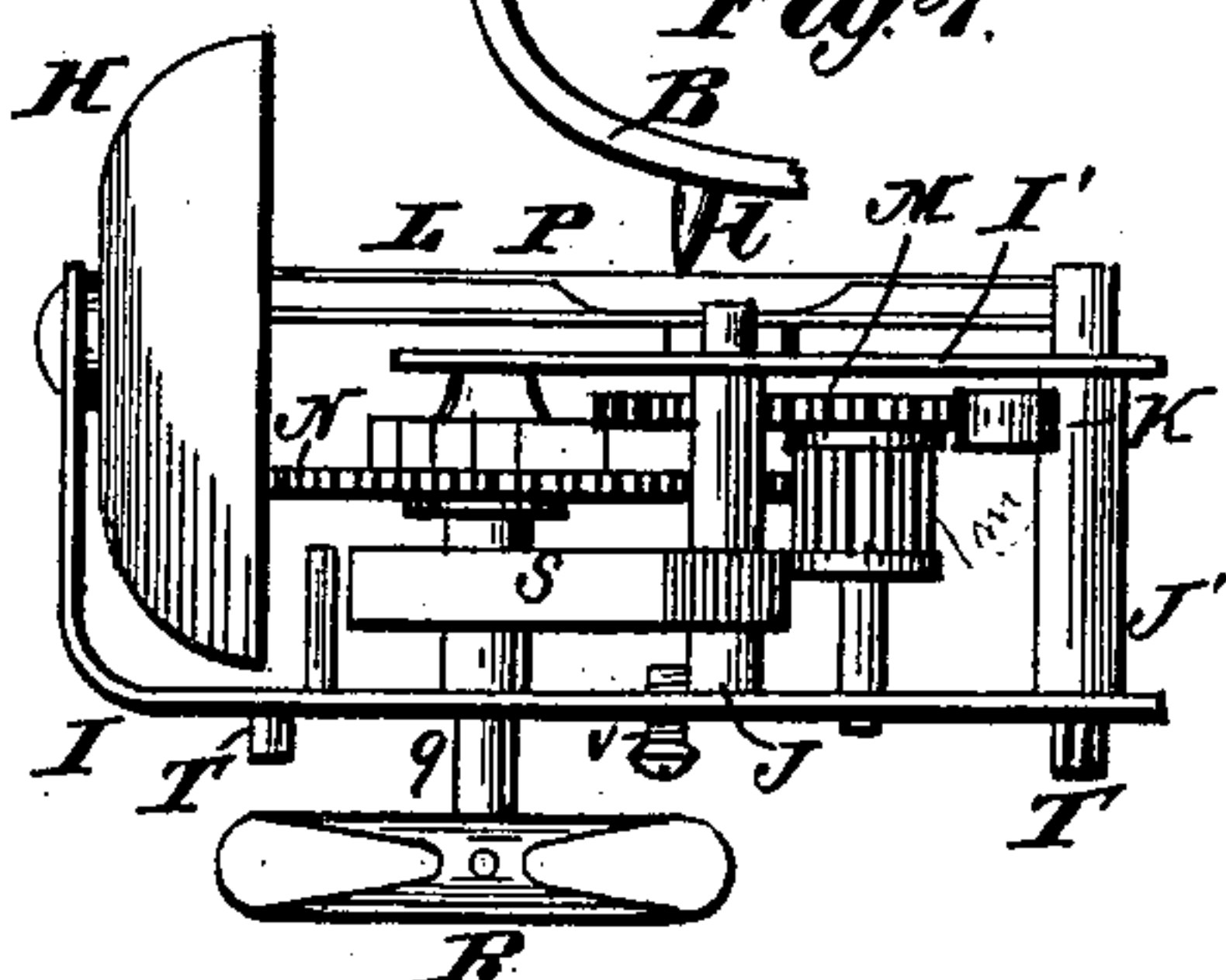
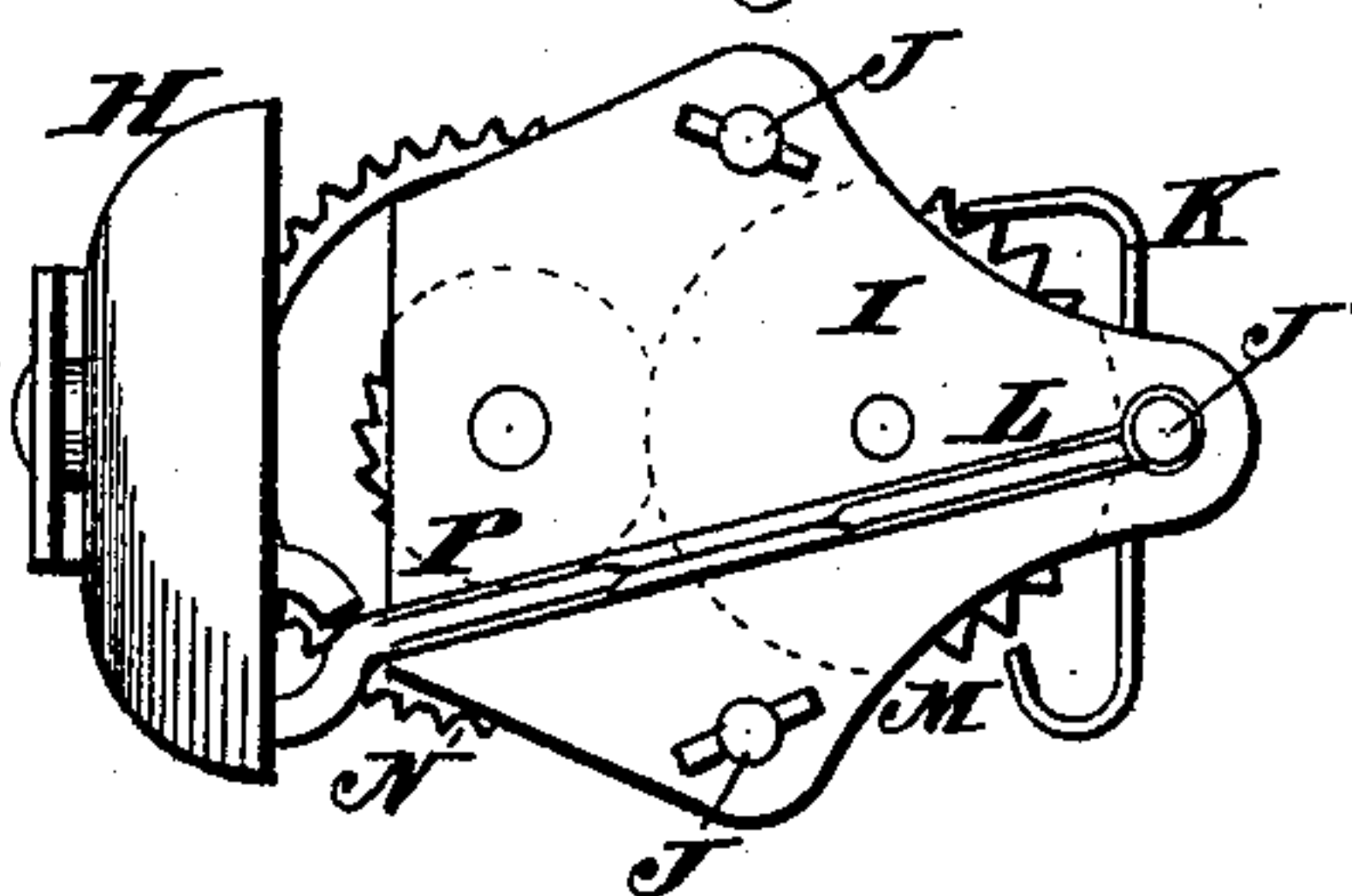


Fig. 5.



Witnesses.

Robert Everett,
J. L. Coombs

Inventors.

Hiram Herrick
William L. Babcock.

By James L. Norris.

Atty.

UNITED STATES PATENT OFFICE.

HIRAM HERRICK AND WILLIAM L. BABCOCK, OF TOLEDO, OHIO.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 323,810, dated August 4, 1885.

Application filed March 24, 1885. (Model.)

To all whom it may concern:

Be it known that we, HIRAM HERRICK and WILLIAM L. BABCOCK, both citizens of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented new and useful Improvements in Burglar-Alarms, of which the following is a specification.

Our invention relates to that class of improved "burglar-alarms" in which there is a simple, compact, and complete alarm movement, secured in a metallic case of suitable size and shape, and having a pivoted lid working in connection with the alarm movement and operated by contact with a door or window, as hereinafter more clearly described; and the object of our invention is to produce a burglar-alarm cheap and simple in its construction, and easily attached and operated in connection with a door or window. We attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the entire device. Fig. 2 is a side view of the device with the lid raised, and showing in dotted lines the position of the alarm movement. Fig. 3 is a back end view showing the lid raised. Fig. 4 is a side view of the alarm movement, with a section of the lid, showing the stop-pin. Fig. 5 is a top view of the alarm movement, in all of which views like letters refer to like parts.

A is a metal case, to which a lid, B, is attached by pivots *b b*, and having a raised wedge-like projection, C, forming an incline plane, against which the door or window acts, to let off the alarm. The door or window, pressing against the incline plane C, forces the lid down at the front end and compresses the spring D, at the same time raising the back end of the lid B, allowing the stop and spring E to come into position and retain the lid B open.

F F are two or more sharp sloping projections that engage in the floor or carpet and prevent the device from being forced back by the pressure of the door or window against it.

F' is a foot on which the front end of the device rests when it is not placed so as to rest on the threshold. G G, &c., are projections

forming guards to protect the winding-stem *q* and bar R.

In the alarm-movement I I' are lower and upper plates, connected together by means of the posts and pins J J. To the turned-up end of the lower plate, I, is secured the bell H. Between the plates I I' are arranged on the shaft *q* a spur-wheel, N, ratchet P, spring S, and on a second shaft a pinion or lantern wheel *m* to engage in the spur-wheel N, and an escapement-wheel, M, to work in connection with a pallet, K, on a rocking shaft, J', to which is secured a striking-arm, L. A stop-pin, *l*, on the lid B is arranged to lock the striking-arm L when the lid is down and the alarm is wound up, which is done by the winding-bar R.

T T form guide-pins to retain the movement in position in the case A, and a screw, V, through the bottom of the case A holds it fast.

Having described the parts of our invention its operation may be easily understood, as follows: Close the lid B, as shown in Fig. 1; then by means of the bar R wind up the alarm-movement; place the case A on the floor close up to the bottom of the door, so that the incline plane C on the lid B will come in contact with the door when opened and press the case A down, so that the sharp projections F F enter the floor; then when the door is forced open against the inclined plane C the forward end of the lid B is pressed down and the back end raised, which also raises the stop-pin *l* and releases the striking-arm L, and the alarm goes off, the stop and spring E retaining the lid B open. In a similar manner we design to use it in connection with a window.

Having thus described our invention and its manner of working, what we claim as new, and desire to secure by Letters Patent, is—

1. In a portable burglar-alarm, a case, A, with its sharp projections F F, foot F', and guard-projections G G, &c., in combination with a pivoted lid, B, pivots *b b*, incline plane C, and stop-pin *l*, retained in desired position by the springs D and E, as described and specified.

2. In a portable burglar-alarm, the combination of a case, A, lid B, pivots *b b*, incline plane C, springs D and E, stop-pin *l*, sharp sloping projections F F, foot F', guard-projections G

G, with the alarm-movement consisting of plates I I, bell H, shaft Q, bar R, spur-wheel N, ratchet P, spring S, pinion *m*, escapement-wheel M, pallet K, rocking shaft J', striking-arm L, guide-pins T T, and screw V, as described and specified.

In testimony whereof we have hereunto set

our hands in the presence of two subscribing witnesses.

HIRAM HERRICK.

WILLIAM. L. BABCOCK.

Witnesses:

J. T. GREER,

WM. H. TUCKER.