I. HOGELAND.

BURGLAR-ALARM.

No. 191,343. Patented May 29, 1877.

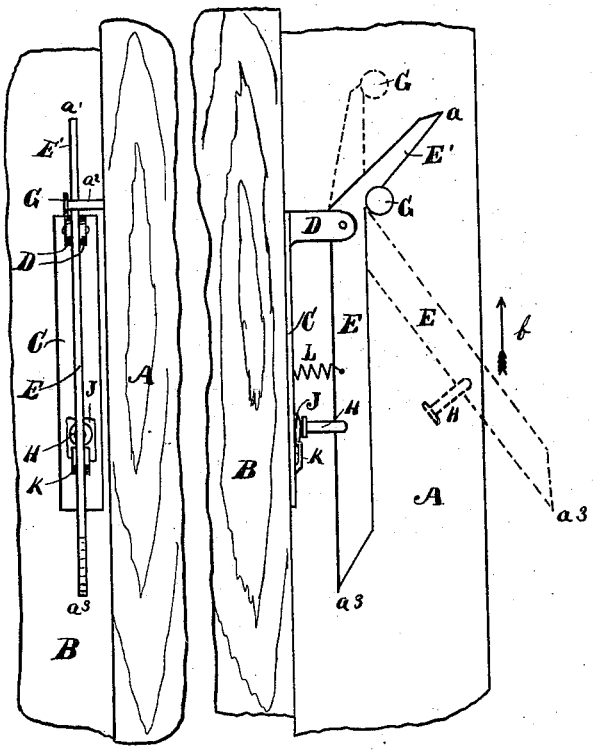

Fig 1 Fig 2

Witnesses;
Ida Smith
Edda Krauth.

Inventor.
Israel Hogeland
Per. E. Hornik
his attorney.

UNITED STATES PATENT OFFICE.

ISRAEL HOGELAND, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF ONE-HALF HIS RIGHT TO DANIEL G. WILLIAMS, OF SAME PLACE.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. **191,343**, dated May 29, 1877; application filed April 11, 1877.

To all whom it may concern:

Be it known that I, ISRAEL HOGELAND, of Indianapolis, county of Marion, State of Indiana, have invented a new and useful Burglar-Alarm, to be attached to windows, doors, &c., of which the following is a description, reference being had to the accompanying drawings:

The object of my invention is to provide a window or door with a cheap and durable alarm that will be sounded in case said window or door is tampered with by persons not authorized to do so.

Previous to my invention various kinds of alarms have been made to accomplish this effect; but I am not aware that my present improvement is anticipated by such former alarm devices.

In the drawings, I have represented my improved alarm device by two views, in which—

Figure 1 represents a plan view, and Fig. 2 a side elevation.

A represents the sash, and B the frame. To this frame B the bed C of the alarm is secured. The bed C is provided with an upright, D, at one end of which is pivoted the hammer-lever E, and at or near the other end of the bed C is lip K, formed by punching up a portion of the bed C, as attached to the bed. This lip K is to receive and hold the paper caps J that are to be exploded, and which will be described hereafter. The lip K may be dispensed with, and a tube or stud substituted in its place, whereby a cap can be held in proper position to be exploded by the hammer H. The lever E is formed as shown in the drawings—that is, with a beveled point, a^3, at one end and a bent portion, E′, at the other end. This lever is pivoted to the upright D, and is provided with a hammer, H, as shown. The spring L is attached to the lever E and to the bed C, and may be of rubber or a coiled spring, so that the desired effect is produced on the lever E. To the sash A is attached a stud, G, in such a manner that when the sash is closed the stud G will occupy the position shown in Fig. 2—that is, at the lower part of the angle formed between the lever E and angular part E′ of the lever. If the sash is now raised the stud G moves up parallel with the frame, and causes the angular part E′ and the lever E to assume the position shown in dotted lines in Fig. 2, when the stud G passes beyond the end *a* of the lever E′. Then the spring L causes the lever E to be drawn forcibly back, and the hammer H strikes the paper or ordinary cap J, causing an explosion and giving an alarm.

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

1. The lever E formed with a beveled end, a^3, and with an angular end, E′, and hammer H, and pivoted to the stud D, in the manner and for the purposes specified.

2. In combination, the bed C, lever E, and stud G, arranged and constructed to operate in the manner and for the purposes specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ISRAEL HOGELAND.

Witnesses:

E. O. FRINK,

EDDA KRAUTH.