

H. GILL.
BURGLAR-ALARM.

No. 184,773.

Patented Nov. 28, 1876.

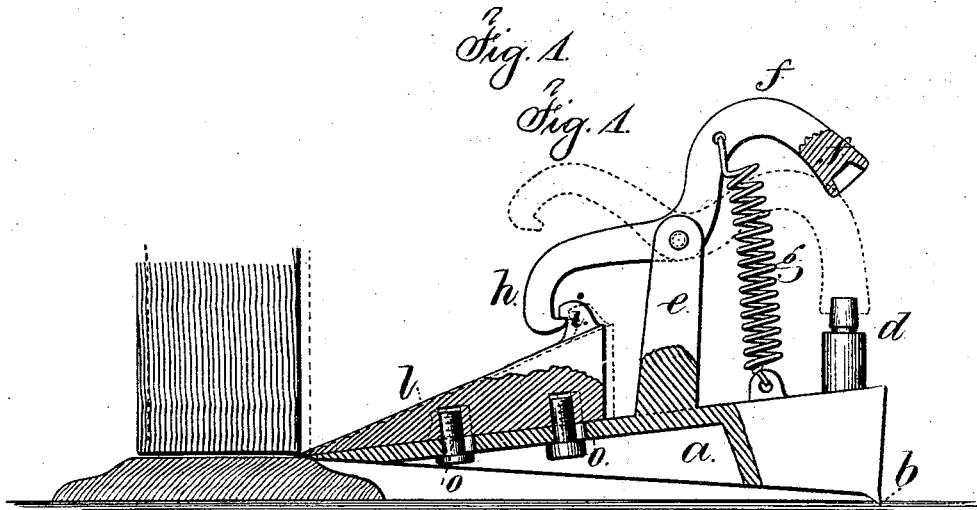
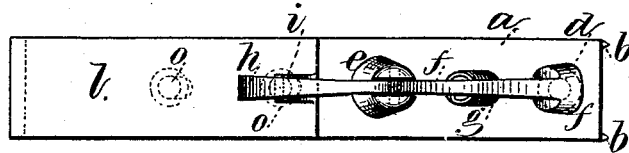


Fig. 2.



Witnesses

Chas. H. Smith
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per Lemuel M. Lowell
attys.

UNITED STATES PATENT OFFICE.

HARRY GILL, OF NEW YORK, N. Y.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. **184,773**, dated November 23, 1876; application filed September 27, 1876.

To all whom it may concern:

Be it known that I, HARRY GILL, of the city and State of New York, have invented an Improvement in Burglar-Alarms, of which the following is a specification:

Burglar-alarms have been made with a nipple for a percussion-cap and a spring-hammer, that explodes the same if an attempt is made to open the door or window with which it is connected.

My invention is in the class of alarms aforesaid; and consists in the combination, with the spring-hammer and nipple, of a sliding wedge-catch, which serves a threefold purpose: it catches the hammer when the alarm is cocked for use, it is the device that is moved by the door to set off the alarm, and it serves as a block to prevent the door being opened.

In the drawing, Figure 1 is a side view, partially in section, of the alarm as set for use; and Fig. 2 is a plan of the same.

The base *a* is in the form of a wedge, and preferably hollow, so as to be light. At the thicker end are the spurs or prongs *b*, that enter the carpet or floor, and prevent the alarm sliding when inserted with the point of the wedge beneath the door. Upon the base *a* is the nipple *d* for a detonating-cap, and the fulcrum-standard *e* for the hammer *f*. The contractile spring *g*, between *f* and *a*, serves to fire the cap when the tail *h* of the hammer

is liberated from the catch *i* upon the sliding wedge *l*. This wedge is preferably hollow, for lightness, and connected, by the screws *o*, to the base *a*, said screws going through slots, so that the wedge will move easily upon the base *a*, if the door is pressed against it, thereby unlatching the hammer-tail, and allowing the hammer to explode the cap. This wedge-catch will prevent the door being swung open, even if the alarm should fail to frighten away robbers, the wedge acting as a block beneath the door.

This alarm, although especially adapted to a door, may be placed above the window-sash, with the prongs pressed against the window-frame, so that the catch-block will be moved, by the sash pressing against its projecting end, if an attempt is made to open the window.

I claim as my invention—

In a burglar-alarm, the wedge *l*, sliding upon the base *a*, and provided with the catch *i*, in combination with the hammer *f*, spring *g*, and nipple *d*, as and for the purposes set forth.

Signed by me this 22d day of September, 1876.

HARRY GILL.

Witnesses:

GEO. D. WALKER,
CHAS. H. SMITH.