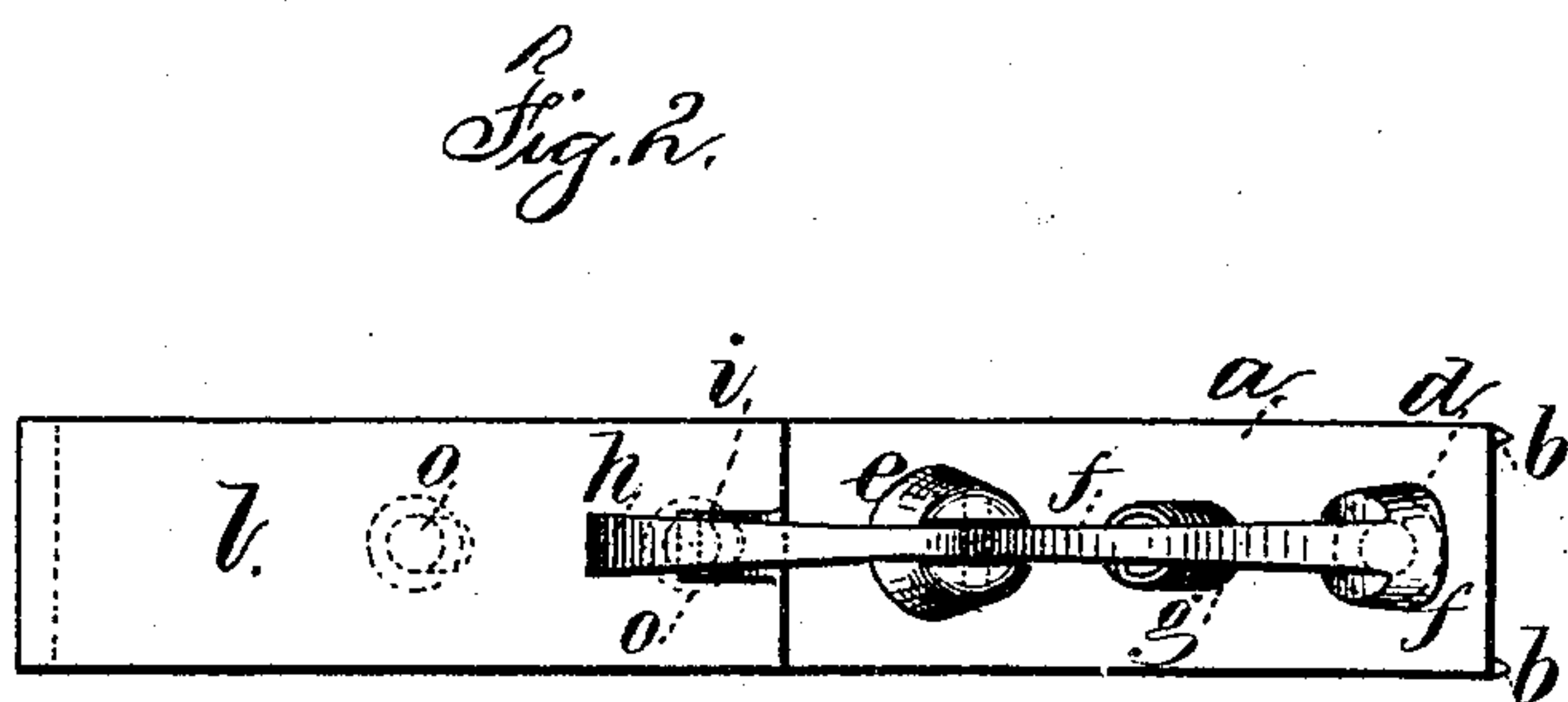
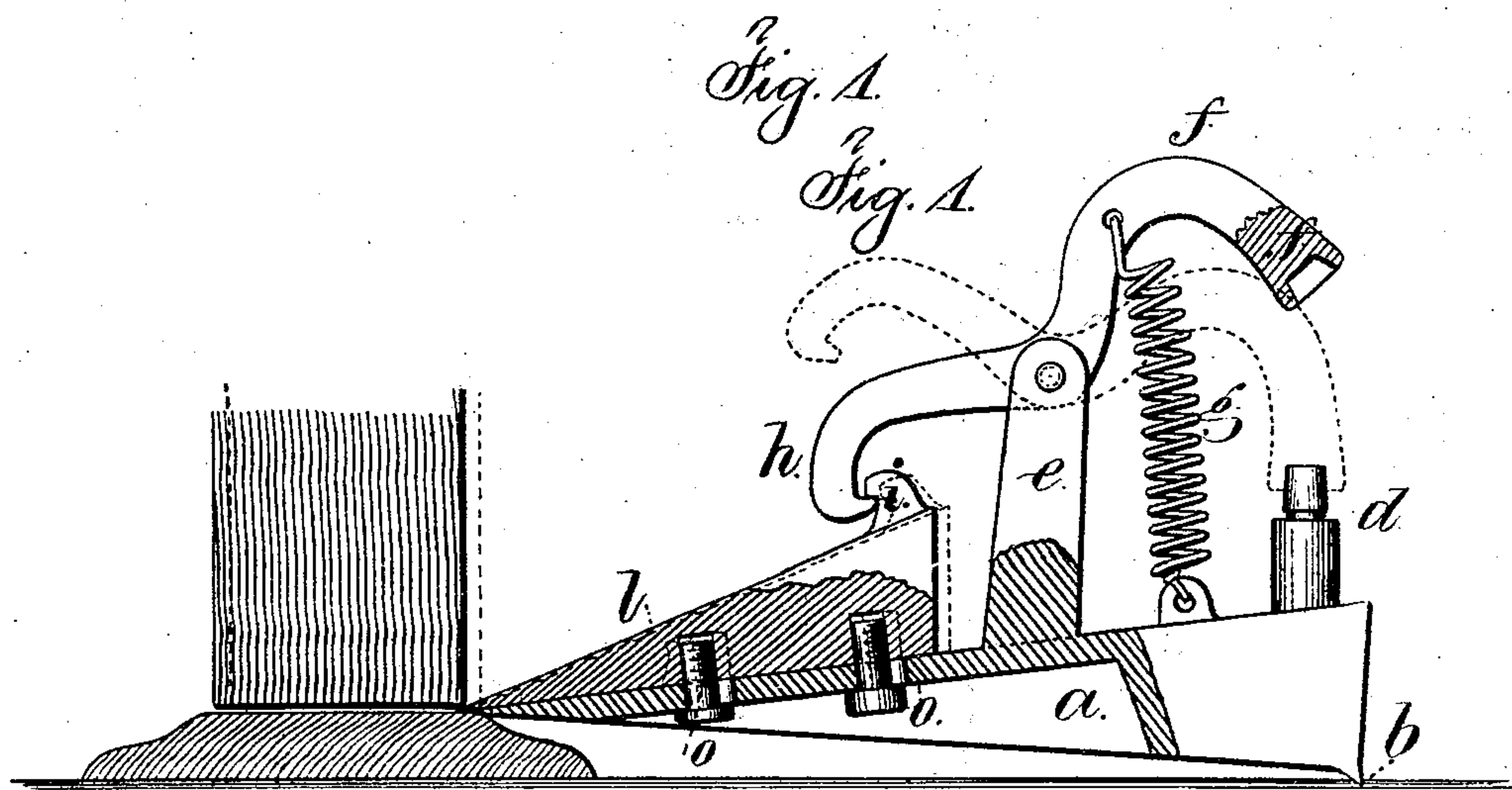


H. GILL.
BURGLAR-ALARM.

No. 184,773.

Patented Nov. 28, 1876.



Witnesses

Chas. H. Smith
Harold Serrell

Inventor
Harry Gill.
for Lemuel M. Serrell
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 28, 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.