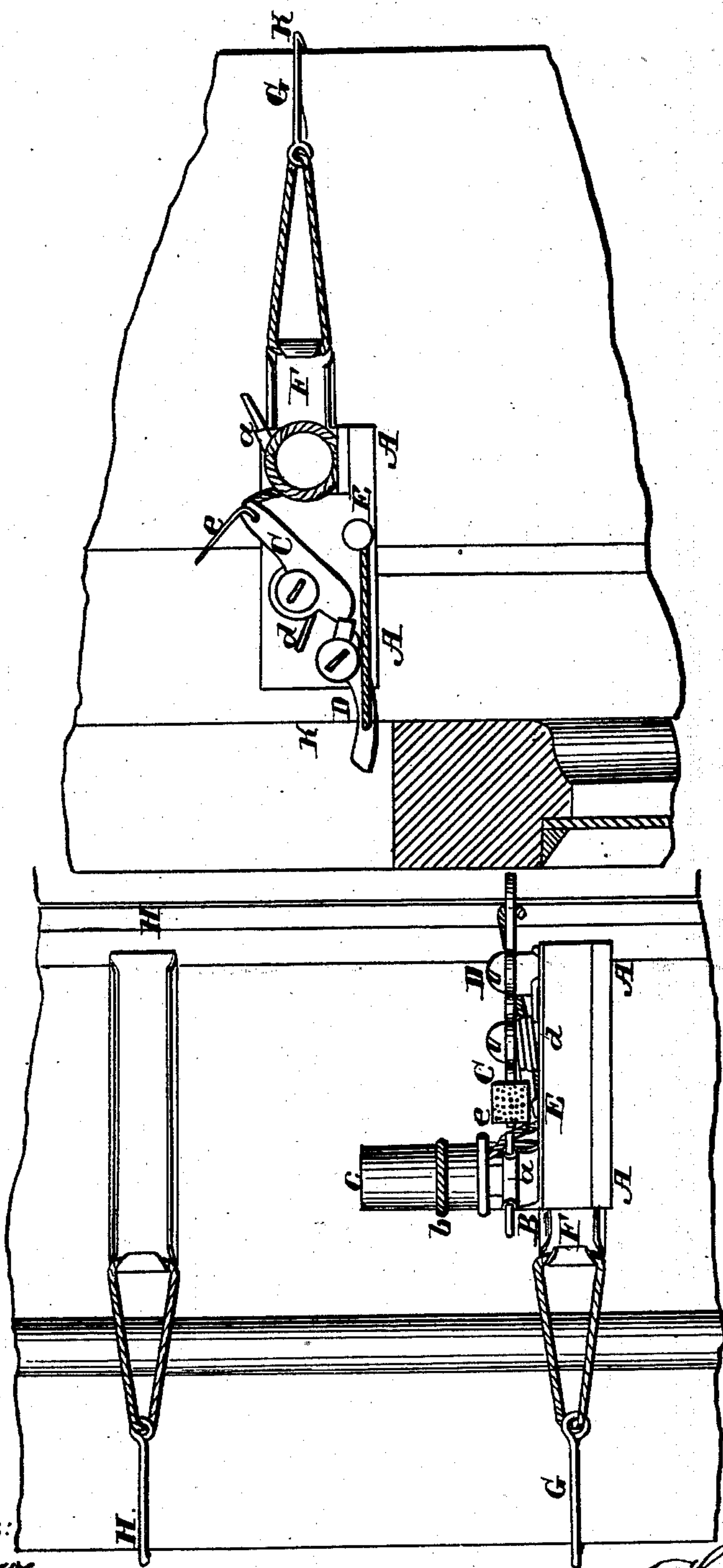


C. A. EATON.  
Burglar Alarm.

No. 68,857.

Patented Sept. 17, 1867.



Witnesses:  
*Henry C. Howe*  
*Chas. Smith*

Inventor:  
*Charles A. Eaton*



# United States Patent Office.

CHARLES A. EATON, OF MINNEAPOLIS, MINNESOTA.

*Letters Patent No. 68,857, dated September 17, 1867.*

## IMPROVED BURGLAR-ALARM.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES A. EATON, of Minneapolis, in the county of Hennepin, and State of Minnesota, have invented a new and useful machine called a Burglar-Alarm, for the purpose of protection from clandestine entries by burglars; and I do hereby declare that the following is a full, clear, and exact description of the mode of construction and operation of the same, reference being had to the annexed drawings and letters of reference marked thereon, making a part of this amended specification.

The construction of my alarm is as follows: A A represent an oblong wooden block, on the top of which is fastened a piece of metal, of corresponding size. Upon the top and at the left end of the same is fastened a second piece of metal, represented by B, which has two upright arms of unequal length, the shorter arm, *a*, terminating in a small cylindrical holder of suitable shape and size to contain the tip of a single percussion match. The longer arm, by means of an elastic cord or band, *b*, is made to hold a torpedo, *c*, charged with powder, and which has a quick fuse. C is a cock of brass or other metal, which is impelled by a spring, *d*, underneath. On the left extremity of the cock, and fastened thereto by a slot or rivet, or other means, is a small bit of sheet metal, *e*, which is so perforated that the outer surface affords friction for the easy ignition of the percussion match in the holder *a*. D is a trigger, by means of which the cock is set and sprung. E is a small head or button, from which an elastic cord runs to the arm of the trigger. F is a metallic slide, which can be applied either to the back side or under side of the block A, by means of grooves cut lengthwise the block, and corresponding flanges along the slide. There are also short hooks or catches on either end of the slide, which turn in opposite directions. G is a pointed hook, which connects with the catch on the left of the slide by an elastic cord or band.

The operation of my alarm is as follows: Place the slide upon the casing of the door, securing it firmly with the hook or catch on the right end pressed closely into the inner edge, and with the hook G caught over upon the outer edge of the casing, the width of which determines the length of the elastic, as H H. Then with the cock set, insert the block, by the grooves, upon its back side, into the slide just far enough for the edge of the opening door to strike the trigger D. See that the percussion match and the torpedo are properly adjusted in the arms *a* and *b*, so that the match-blaze will ignite the fuse of the torpedo. On opening the door the cock will be sprung and the torpedo fired with a loud report. If the door opens to the left, reverse the alarm, placing it top downwards; otherwise adjust as before.

My alarm may also be usefully applied to a window, as follows: Having first fastened the slide to the casing, insert the block by its grooves upon the under side, until the trigger is brought in position for the rising window to operate with the same result as the opening door. If desirable the alarm can easily be made a fixture by cutting off the catches upon the ends of the slide, and fastening it to casing by nails or screws. The torpedo I use contains no ball, but only powder and some dry non-combustible substance, as flour used as packing. It may be fired without danger while holding the alarm in the hand, and the same cap may be re-filled and fired repeatedly.

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

1. The combination of the perforated plate *e* with the cock C, as and for the purpose specified.
2. The combination of cock and trigger C D with block-holder and slide A B F, substantially as and for the purpose described.

CHARLES A. EATON.

Witnesses:

CHAS. E. FLANDRAU.  
SAMUEL A. WILSON.