A. H. ENHOLM.

Burglar Alarm.

No. 28,977. Patented July 3, 1860.

Fig. 4.

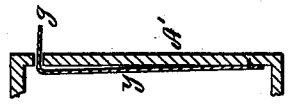


Fig. 3.

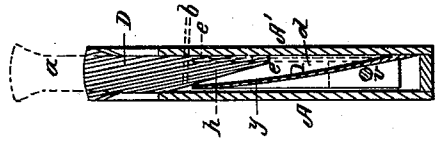


Fig. 2.

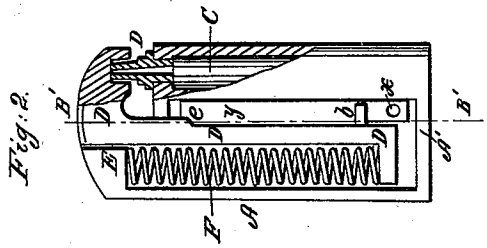
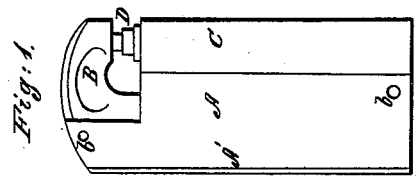


Fig. 1.



Witnesses:

Amos Broadway

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Inventor.

A. H. Enholm.

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UNITED STATES PATENT OFFICE.

A. H. ENHOLM, OF ST. LOUIS, MISSOURI.

BURGLAR-ALARM.

Specification of Letters Patent No. 28,977, dated July 3, 1860.

To all whom it may concern:

Be it known that I, A. H. ENHOLM, of the city of St. Louis and State of Missouri, have invented a new and Improved Burglar-Alarm; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making part of this specification, in which—

Figure 1 is a view of one side of my invention, when complete. Fig. 2 is a view of the same with the covering A taken off. Fig. 3 is a longitudinal section through the line B′ B′.

To enable others skilled in the arts to which my invention appertains to make and use the same I will proceed to describe the construction and operation thereof.

Similar letters of reference represent corresponding parts of the drawing annexed.

The frame, or chief part of my invention, is represented upon the drawing by A′. It consists of a small metal shell or box, into which I introduce a percussion hammer D, a spring F, and a second spring Y, all made and arranged in the relation shown. The hammer D is made with a projection upon its lower end for the spring F to bear against. The upper end of the said spring has its bearing against the inside of the upper end of the frame at E. The spring Y is arranged on the opposite side of the hammer D from what the spring F is. The lower end of this spring is fastened to the frame by means of a rivet H, and the upper end of it rests upon an incline plane made upon one side of the hammer D, shown by *h*, Fig. 3. In the same side of the hammer that this incline plane is made on, the pin V is fixed, on the top of the spring, Y, as shown. This spring Y is in the nature of a trigger of a gun or pistol, and performs the same function. The upper end of it is bent, and made to pass through the back part of the frame as shown at *g*, Fig. 4, and on one side of the upper end thereof a small catch is made which catches under a corresponding notch made in the hammer, shown at *e*, Fig. 3.

The operation of my invention is as follows: The hammer D is drawn up against the spring F, to the position shown in red lines at *a*, Fig. 3, and as the said hammer is drawn up the pin V rides on the spring or trigger Y, and presses the catch on the upper end of the spring under the notch in the hammer, as shown in red Fig. 3. After the hammer has been raised as above described, a percussion cap is placed upon the nipple D which leads into a barrel made in one side of the frame, as shown at *c*. The hammer being thus "cocked" the apparatus is set up against the side of the door in the inside of the room, with the end *g* of the trigger turned out, so that when the door is opened it will push over the apparatus and cause the end *g*, to strike the floor, and thus detach the trigger from the hammer, which is brought down by the action of the spring F with sufficient force to explode the cap on the nipple, which gives the alarm, in case of burglars.

In case the explosion of the cap is found not to make noise enough, then a small quantity of powder may be put into the barrel *c* to increase the noise of the explosion.

After the apparatus has been constructed, as above described, the works in the inside are covered and closed in by means of the cover A which is secured by means of screws *b b*.

I claim as my invention—

1. The described arrangement of the spring F the hammer D and the trigger Y within the shell or frame A′; constructed as described.

2. The combination of the barrel *c* with the described arrangement of spring F, hammer D and trigger Y within the frame or shell A, for the purpose specified.

A. H. ENHOLM.

Witnesses:

AMOS BROADNAX,

W. D. LEEVIT.