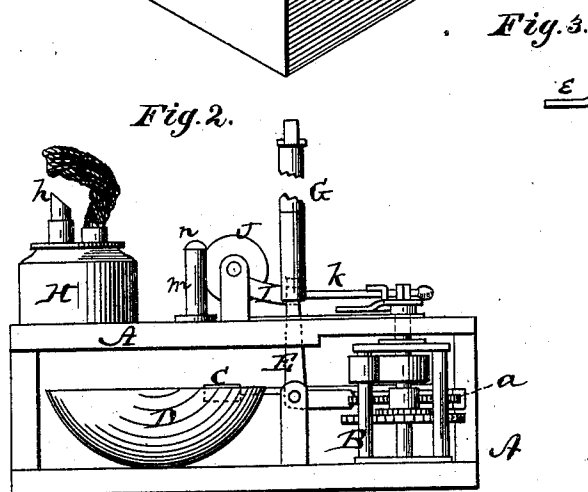
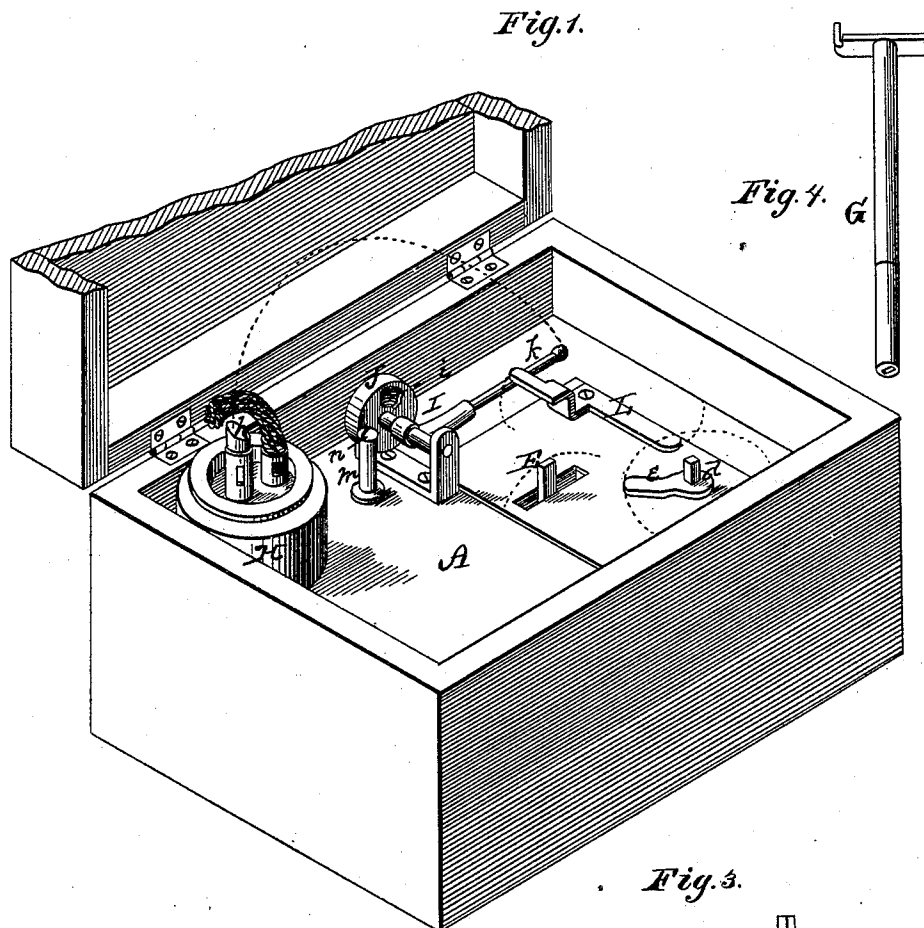


H. A. SHERMAN.
BURGLAR-ALARM.

No. 170,905.

Patented Dec. 7, 1875.



WITNESSES
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By

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HENRY A. SHERMAN, OF FREMONT, OHIO.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. **170,905**, dated December 7, 1875; application filed November 5, 1875.

To all whom it may concern:

Be it known that I, HENRY A. SHERMAN, of Fremont, in the county of Sandusky and in the State of Ohio, have invented certain new and useful Improvements in Burglar-Alarms; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a combined burglar-alarm and lamp-lighting device, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my invention. Fig. 2 is a side view of the same. Figs. 3 and 4 are detached views of parts thereof.

A represents a suitable frame-work, in which is a clock-work, B, for operating a hammer, C, to sound the bell D. *a* is the escapement-wheel of the clock-work, into which works a detent, E, in the form of an L-shaped lever, pivoted at its angle, as shown. On the upper end of the lever or detent E is placed an arm, G, the upper end of which may be connected, by a cord, wire, or its equivalent, with any door or window desired to be connected with the alarm, and in such a manner that, by opening said door or window even very little, the arm will be moved to one side, and the detent released from the escapement-wheel, and the alarm be sounded. In the clock-work B is a shaft, *b*, rotated thereby, on the upper end of which shaft is a socket, *d*, with projecting arm *e*, as shown. H represents an ordinary lamp, provided on its top with an anvil, *h*, which is beveled at its upper end. A suitable distance from the lamp H is journaled a curved hollow arm or holder, I, operated by a spring, *i*, coiled

around one of the journals, and inclosed within a case, J. In the holder I is inserted a match, *k*, of the kind known as the "parlor-match," and the match and holder held in the position shown in Fig. 1 by one end of a pivoted lever, L.

When the alarm is sounded, as above described, the shaft *b* rotates, carrying with it the socket *d* and arm *e*. This arm, during its first revolution, comes in contact with and turns the lever L, so that it will clear the match *k*. The spring *i* then throws the holder and match over, so that the head of the match will strike the anvil *h* and be ignited by the concussion, the holder, however, being stopped by a post, *m*, having a screw, *n*, in its upper end, against which the holder strikes, whereby the match is prevented from being broken. By means of the screw *n* the force of the blow of the match-head on the anvil is easily regulated. The ignition of the match immediately lights the lamp-wick.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a clock-work, B, and alarm-bell D, of the shaft *b*, socket *d*, and arm *e* for operating a lever, L, a spring match-holder, I, and lamp H, with anvil *h*, substantially as and for the purposes herein set forth.

2. The combination of the journaled match-holder I, spring *i*, and case J, for the purposes herein set forth.

3. The post *m*, with adjusting-screw *n* in its upper end, in combination with the match-holder I and spring *i*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of October, 1875.

HENRY A. SHERMAN.

Witnesses:

M. E. TYLER,
J. P. REIFF.