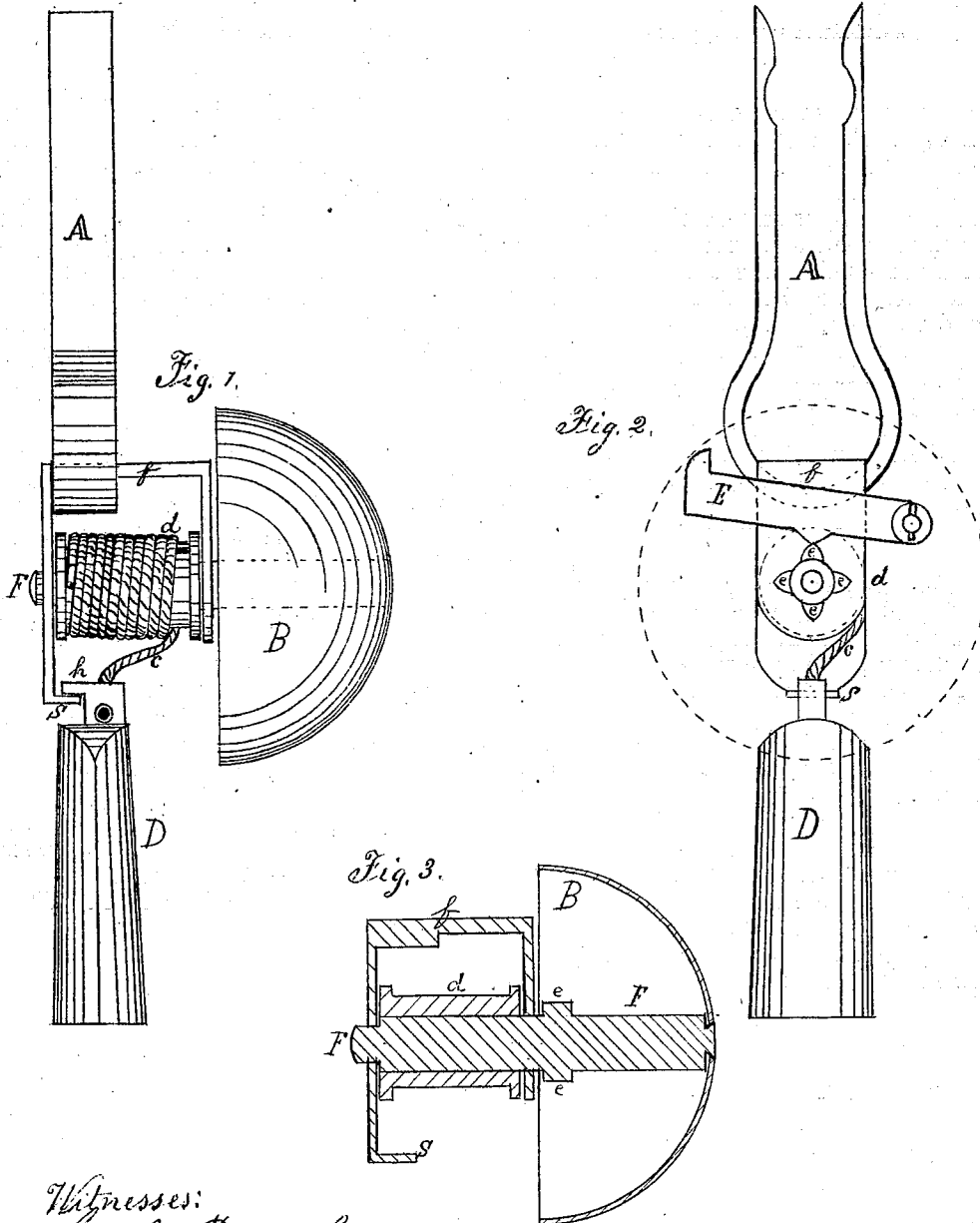


HENRY HOLCROFT.

Improvement in Burglar Alarms.

No. 124,356.

Patented March 5, 1872.



Witnesses:
Frank Butcher.
Wm. A. Chadwick

Inventor:
Hb Holcroft

UNITED STATES PATENT OFFICE.

HENRY HOLCROFT, OF MEDIA, ASSIGNOR OF TWO-THIRDS OF HIS RIGHT TO WILLIAM A. CHADWICK AND JAMES G. KITCHEN, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. 124,356, dated March 5, 1872.

Specification describing certain Improvements in Burglar-Alarms, invented by HENRY HOLCROFT, of Media, Delaware county, and State of Pennsylvania.

The first part of my invention consists in a forked spring for suspending the alarm to the spindle of a door-knob. The second part of my invention relates to the combination of a cylinder or drum, a cord, weight, and hook for operating the hammer of the gong.

Figure 1 is a side elevation of a machine embodying my invention. Fig. 2 is a front elevation of the same with the gong removed to show the hammer. Fig. 3 is a vertical transverse section of the gong, spindle, drum, and frame.

Similar letters in the drawing refer to like parts.

A is the fork-shaped spring, which should be made of good spring-steel, and made the shape as shown in the drawing, with circular notches at the top; and from these notches in each prong it tapers out on the inside to each end. *f* is a frame, which may be made of brass or iron, and is fastened to the fork A. Into this frame is fitted the spindle F. On this spindle is fastened the drum *d* and gong B, and also the small cam-wheel, containing four teeth, *eeee*. (See Fig. 2.) E is the hammer. One end is pivoted on a stud fastened to frame *f*. The arm of the hammer rests on the small cam-wheel. The working of this hammer may be assisted by a small elliptic spring fastened to the frame *f*, and resting on the arm of the

hammer E. C is the cord. One end is fastened to the drum *d*; the other end to the weight D. At the top of the weight is a hook, *h*. At the bottom of the frame *f* is a hook, *s*.

The operation is as follows: To set the alarm, the forked spring is forced on the spindle of a door-knob, (on the inside of the room.) The spring will cause it to grasp the spindle and hang vertical. The cord is then wound around the drum *d*, and the hook of the weight is hooked on the hook *s* of the frame *f*. Should the knob on the outside of the door be turned in an effort to open the door, it will move the frame *f* out of a vertical line, when the weight D will slip off the hook *s*, and the gravity of the weight drawing the cord C will revolve the drum and cam-wheel, and the teeth *eeee* will cause the hammer E to strike the gong in rapid succession, giving the alarm and continuing till the weight has drawn all the cord off the drum.

Claims.

I claim—

1. The spring A, when used in combination with the spindle of a door-knob, for the purpose of suspending the alarm, as shown and above described.

2. I claim the combination of the drum *d*, cord *c*, weight D, and hooks *s* and *h*, for operating the hammer, as above described.

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Witnesses:

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