

J. PENNEPACKER.
Burglar-Alarm.

Patented Oct. 11, 1875.

No. 168,777.

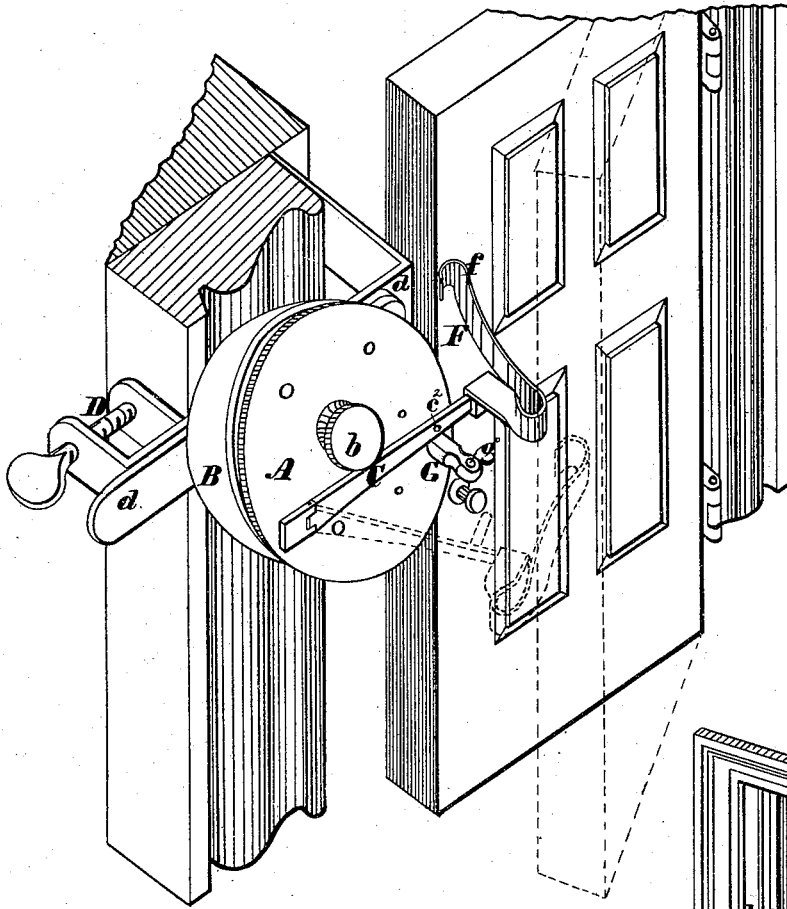


Fig. 1.

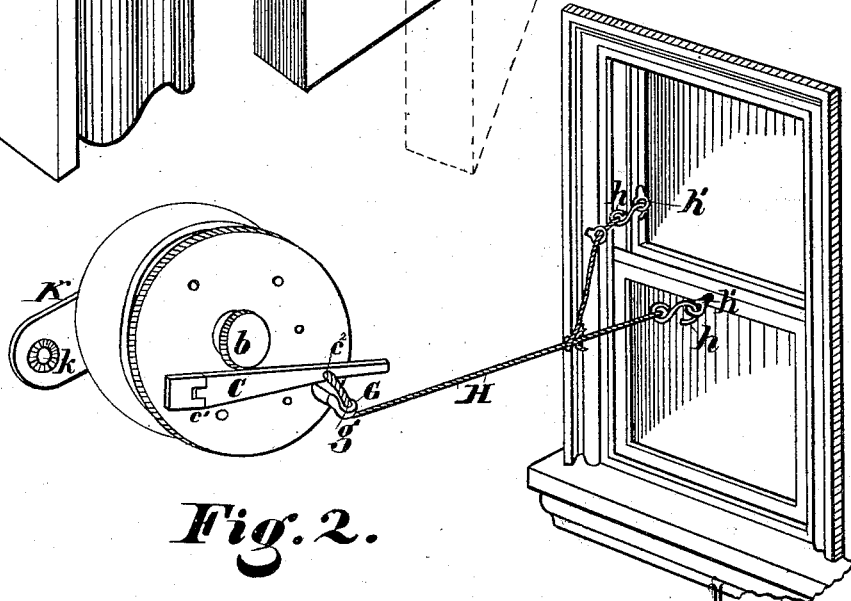


Fig. 2.

Witnesses
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Fig. 3.

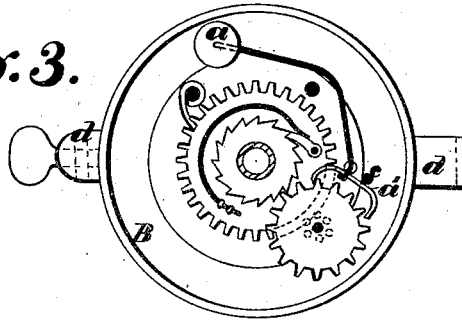


Fig. 4.

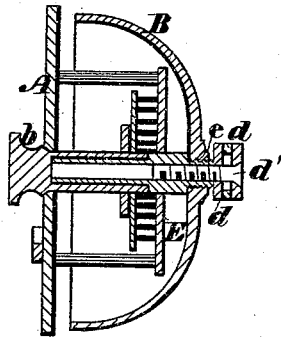
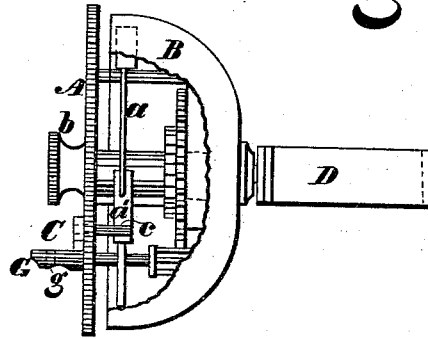


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH PENNEPACKER, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. 168,777, dated October 11, 1875; application filed September 9, 1875.

To all whom it may concern:

Be it known that I, JOSEPH PENNEPACKER, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Portable Burglar-Alarms; and do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figures 1 and 2 are perspectives. Fig. 3 is a front elevation with face-plate removed, showing striking mechanism. Fig. 4 is a vertical section; and Fig. 5, a side elevation, part of the gong being broken away.

My invention consists in the peculiar construction and combination of parts, as herein-after more fully described, having reference particularly to the following features:

First, to constructing the gong with a hollow shaft or screw-post for the reception of the screw which holds the sections of the clamp together.

Second, to the provision of a hinged tripper, whereby the opening of a door to the jamb of which the alarm is attached will not cause the removal of the latter from its bearings.

Third, to the provision of a spring-catch, which will permit the alarm to be set by a person going out of a room, so that when the door is opened thereafter the devices will operate for the purpose intended.

Fourth, to the construction and combination of devices whereby the alarm is available for the protection of the adjacent door and of one or more windows at the same time.

Referring to the accompanying drawing, A shows a face-plate, to which is affixed any suitable mechanism for operating a striker, *a*, by which an alarm is sounded on a gong, B, said mechanism being wound up by a button, *b*, and allowed to operate when a pin, *c*, attached to a hinged tripper, C, is drawn out of engagement with an escapement, *a'*. D represents a clamp, formed in sections *d d*, so as to be adjustable, and constructed generally as described in Letters Patent issued to me, dated September 30, 1873, No. 143,379. The screw by which the sections of this clamp are held

together is shown at *d'*, and enters a female screw, *e*, formed in the gong B, or in a cap, E, which forms part of the striking mechanism. In this latter case, as illustrated in the drawing, the striking mechanism is first screwed into the gong, and the male screw *d'* then inserted in the female screw *e*, the gong thus serving as a nut for the screw, on which it is supported, and which fastens the sections of the adjustable clamp together. To the tripper C, which is hinged at *e'*, is fastened a spring-catch, F, which will permit the door to close without sounding an alarm. When the door is opened, however, it meets the shoulder *f*, forcing back the hinged tripper, drawing out the pin *c* from engagement with the escapement *a'*, and causes an alarm to be sounded.

By this means it will be seen the door may be closed by a person going out without setting off the alarm, and when the door is opened the alarm is sounded without removing the device from the jamb.

G represents an eyelet-post fastened to the face-plate A, having an opening, *g*, for the passage of a wire or cord, one end of which is to be attached to the tripper C at *e''*, and the other end to any door or window. Such a cord or wire is shown at H, provided with a hook, *h*, to engage with an eye, *h'*. By providing a series of these eyes the hook may be made to engage with one of them at any altitude, so as to sound an alarm if moved therefrom, or to permit the adjustment of the cord to an elevated position during the day-time, when not required, and lowered at night for use.

The function of the eyelet-post G, in connection with the alarm, is, that it serves as a guide to the cord H, proceeding from the tripper C, so that when the sash to which said cord is connected is moved the tripper will be released and the alarm caused to sound. The tripper, therefore, operates both in connection with the door and the sash.

For a stationary alarm a fixed fastening, K, secured by screws *k k*, may be substituted for the clamp D.

What I claim as my invention is—

1. The gong B or cap E therein formed, with a hollow shaft or threaded post for the

reception of the screw d' , substantially as shown and described.

2. In combination with the gong B and face-plate A, the tripper C, hinged at c^1 , and provided with a pin, c , for engagement with the escapement a' .

3. In combination with a tripper, C, the spring-catch F, arranged substantially as described, to permit the door to be closed while the alarm is set without actuating the striker, as set forth.

4. In combination with the face-plate A, the eyelet-post G, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of September, 1875.

JOSEPH PENNEPACKER.

Witnesses:

M. DANL. CONNOLLY,
CHAS. F. VAN HORN.