(No Model.)

P. G. TRONE.

BURGLAR ALARM.

No. 479,320. Patented July 19, 1892.

Fig. 1.

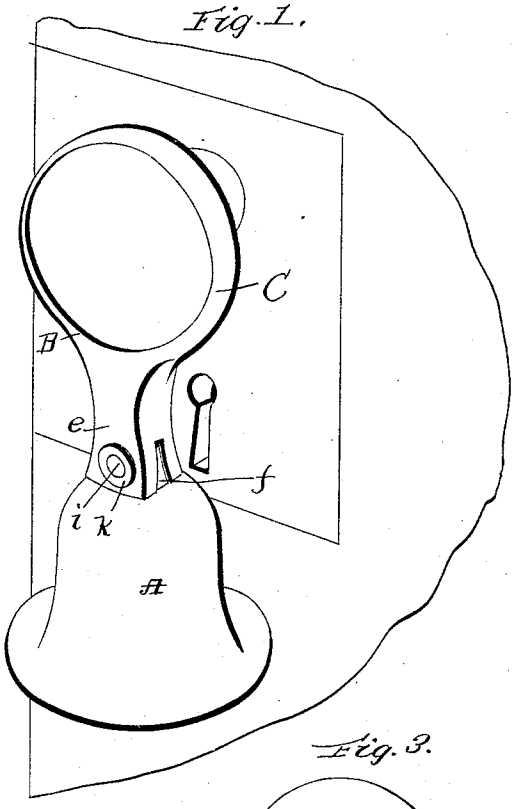


Fig. 2.

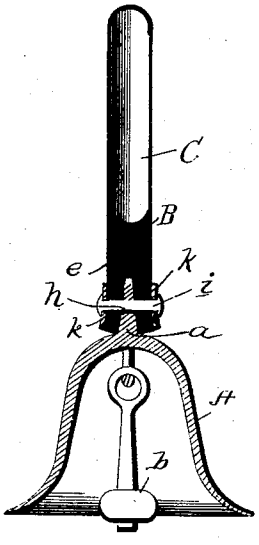


Fig. 3.

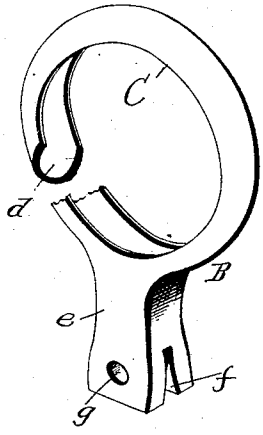
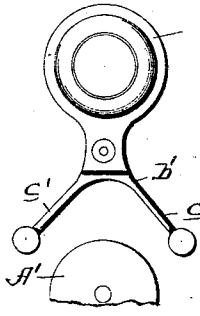


Fig. 4.



Witnesses:
C. H. Pauder
James J. Sheehy

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UNITED STATES PATENT OFFICE.

PIERRE G. TRONE, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF ONE-HALF TO HERMANN LEVI, OF SAME PLACE.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 479,320, dated July 19, 1892.

Application filed April 21, 1891. Renewed May 26, 1892. Serial No. 434,394. (No model.)

To all whom it may concern:

Be it known that I, PIERRE GABRIEL TRONE, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Burglar-Alarms; and I do 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 appertains to make and use the same.

This invention has relation to an improvement in that class of burglar-alarms in which a bell is employed in connection with means for securing the same to the knob of a door; and the novelty will be fully understood from the following description and claims when taken in connection with the annexed drawings, in which—

Figure 1 is a perspective view of a portion of a door with its lock, showing my improved device applied to the knob thereof. Fig. 2 is a vertical central sectional view of the bell and its attaching band or ring. Fig. 3 is a perspective view of the rubber or elastic attaching device removed from the bell and partly broken away to show the peculiar form or shape of the band, and Fig. 4 is a face view of a modification in which the bell is secured to the door and a double hammer secured to the elastic band or attaching device.

Referring by letter to said drawings, A indicates a bell having a stem or shank *a* and the usual hammer *b*.

B indicates my improved device for attaching the bell to a door-knob. This attaching device is formed wholly from rubber or elastic material and preferably from a single piece. In forming this device, which may be molded, the band or ring C is of a concavo-convex form in cross-section, as shown at *d*, with its concavity on the inner side, so that it may slip over a door-knob and snugly embrace the same around the periphery of said knob, so that while it will offer no obstruction or inconvenience to the grasp of the knob bearing the device, yet there will be sufficient adherence to absolutely prevent the knob from being turned from the opposite side of the door without also turning therewith the band and consequently the bell attached to it, so as to give an alarm. This band has a solid integral branch *e*, which is slitted, as shown at *f*, for the reception of the shank or stem *a* of the bell, and the slitted branches are provided with a hole *g*, designed to coincide with a transverse hole *h* in the bell-shank to receive a bolt *i*, a rivet, or other suitable fastening device.

In securing the bell to the elastic band I prefer to use a rivet, and after passing the same through the eyes *g* in the branch *e* and the hole *h* in the bell-shank the ends of the rivet may be provided with disks *k*, so as to properly secure the same.

In the modification shown in Fig. 4 of the drawings I have illustrated the bell A′ as secured to the door at a point below the knob, and instead of securing a bell to the elastic attachment I have secured a hammer *b′*, and the hammer which I have illustrated is of a double form—that is to say, instead of having the single hammer I provide two branches *c′* so arranged in a forked manner that by turning the knob in either direction one of the hammers will be sure to contact with the bell and thereby give the alarm.

It may be desirable to use a single hammer instead of two, and in such cases the hammer should be so arranged with respect to the bell that the movement of the knob to unlock the door would cause the alarm to be sounded.

I am aware that it has been proposed to adapt the bell for attachment to a door-knob so that by turning the knob an alarm may be given; but owing to the use of objectionable springs, coils of wire, and the like, rendering it very inconvenient to handle the knob, such devices have never gone into use. By my construction it will be seen that the device, owing to the rubber or elastic attachment, may be carried in the pocket, as it occupies but little space, and when applied to a knob it affords no obstruction or inconvenience to a person grasping said knob and by reason of of the device being made wholly of rubber there is nothing about it to get out of order in attaching it to large or small knobs.

What I claim is—

1. As an improved article of manufacture, the burglar-alarm described, comprising the bell having its shank or stem provided with a

hole and the attaching device formed wholly from rubber or elastic material and having the band or ring of concavo-convex form in cross-section and the solid branch slitted and the slitted branches perforated to receive a bolt or rivet for securing the bell-shank thereto, substantially as specified.

2. The combination, with a bell, of a rubber band adapted to embrace a door-knob and having an integral branch secured to the shank or stem of the bell, substantially as specified.

3. In a burglar-alarm, the combination, with a bell and a door-knob, of a band of rubber or elastic material adapted to snugly embrace the knob and having an integral solid branch slitted and the slitted branches perforated for the attachment of a sounding device, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

PIERRE G. TRONE.

Witnesses:
HELMUTH HOLTZ,
PERCY D. PARKS.