

J. L. CHESTON.  
Fire and Burglar Alarm.

No. 94,282.

Patented Aug. 31, 1869.

Fig. 1.

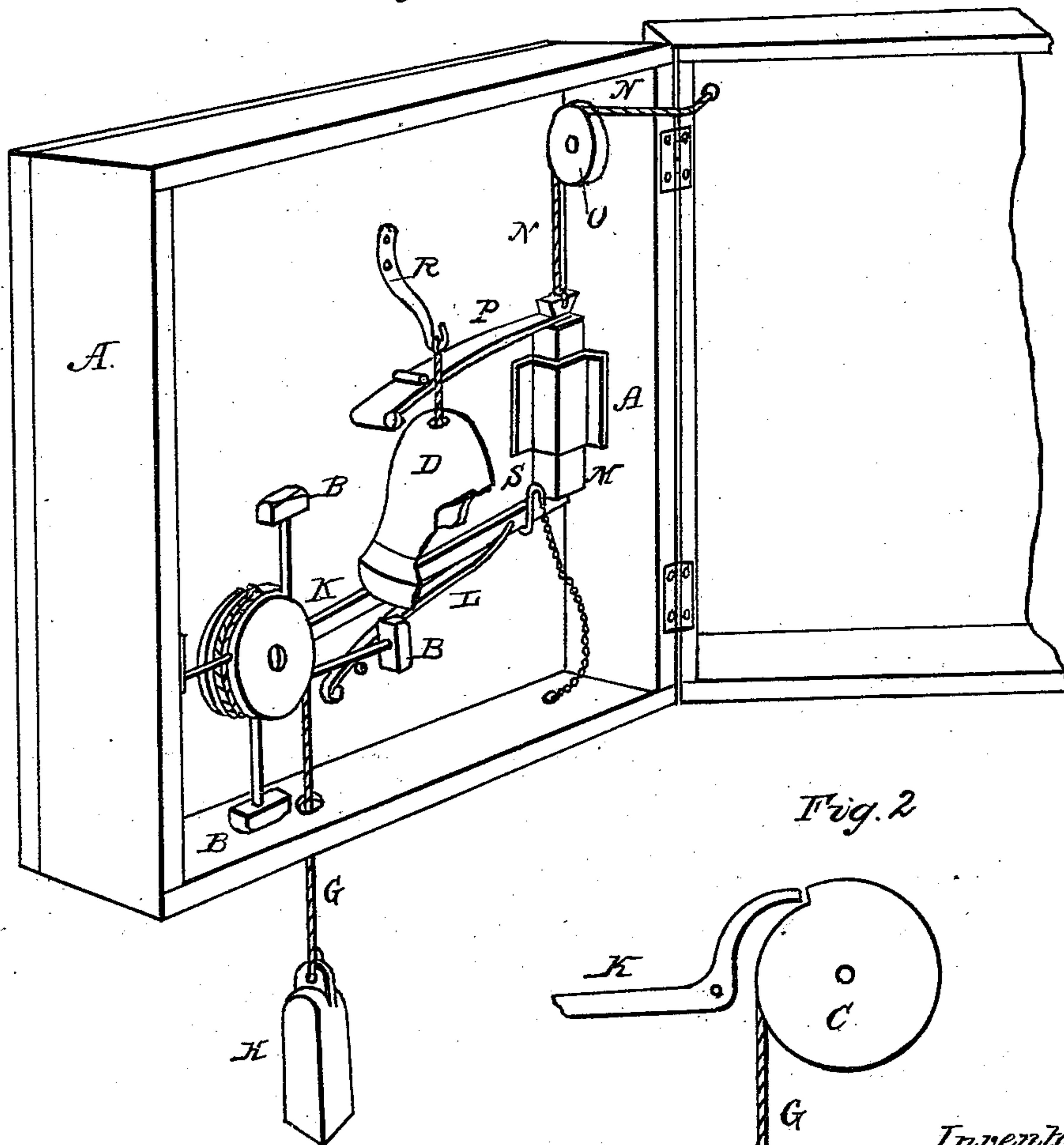
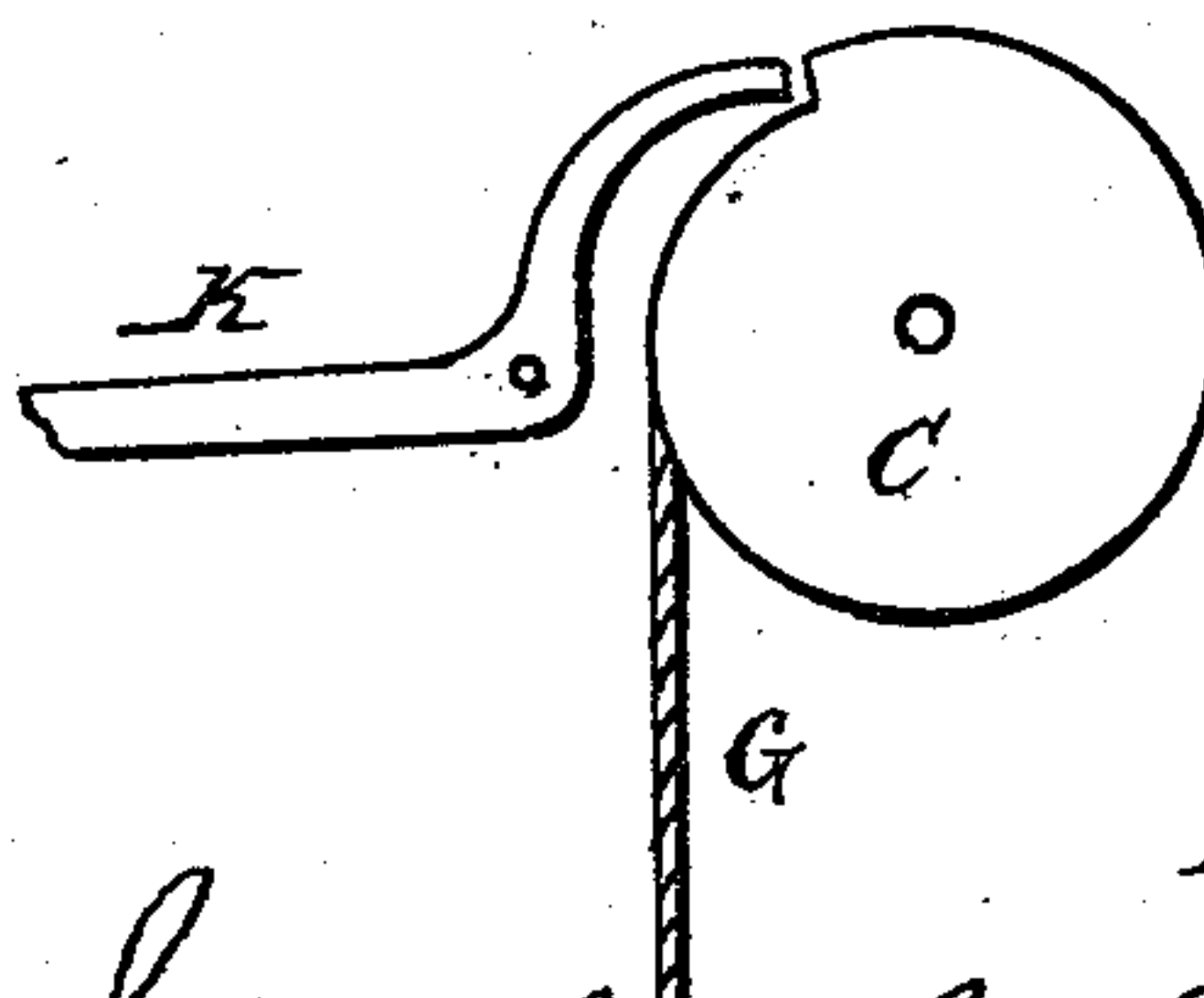


Fig. 2.



Witnesses  
Harry King  
J. L. Cheston

Inventor  
Jonathan L. Cheston  
per Alexander Mason  
attys

# United States Patent Office.

JONATHAN L. CHESTON, OF SOUTH EASTON, PENNSYLVANIA.

Letters Patent No. 94,282, dated August 31, 1869.

## IMPROVED FIRE AND BURGLAR-ALARM

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JONATHAN L. CHESTON, of South Easton, in the county of Northampton, and in the State of Pennsylvania, have invented certain new and useful Improvements in Fire and Burglar-Alarm; 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 of a fire and burglar-alarm, which has one or more cords, passing around the rooms of the house, which, when broken, either by being burnt, or in any other manner, at once set the alarm in motion.

Figure 1 is a perspective of my invention.

Figure 2 is a side elevation of the lever and drum.

Letter A represents the box or frame in which the mechanism is placed, and which is intended to be screwed to the side of the window-frame, or any suitable place, at some distance from the floor.

Pivoted to the frame is the drum C, from the periphery of which, at the outer end, there is secured a number of hammers, B, which, in revolving, strike against the bell D and give the alarm.

In the middle of the drum there is a groove cut in its surface, in which the cord G attached to the weight H is wound.

Upon the inner end of the drum there is a notch cut, in which the end of the lever K catches, as seen in fig. 2, so as to prevent the weight from unwinding the drum.

This lever is pivoted to the side of the frame, and has a spring, L, bearing against its under side, so as to force the bent end of the lever to catch in the notch in the side of the drum, where it remains until raised, so as to allow the hammers to sound the alarm for either fire or burglars.

Moving up and down, just above the outer end of the lever, and kept in position by any suitable guide or device, is the weight M, to which is attached the cord N, which passes up over the pulley O, and is then passed around the entire circuit of one or more rooms,

being drawn sufficiently taut to raise the weight up above the end of the lever upon which it rests when down.

Bearing against the top of the weight, is the spring P, which forces the weight quickly and heavily downward, as soon as it is released from the cord N.

This weight, in falling, strikes against the end of the lever, and raising its bent end out of the notch in the drum, the hammers are made to revolve by the force of the weight H, and will continue to do so until the cord is unwound, or the weight comes in contact with the floor.

The cord N, in passing around the room, can be placed near the ceiling, so as to be burned the more readily in case of fire, or near the floor, so that burglars, in moving about, will come in contact with it, and, breaking it, give the alarm.

The bell is hung loosely from the hook R, and extends downward near enough to the drum for the hammers to strike it as they revolve.

Under the outer end of the lever there is a catch, S, secured to the frame by means of a short cord, which is used to hold the lever in its place, so as to prevent the alarm from going off when the cords are loosened or removed during the day.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

The arrangement, within the box A, of the grooved and notched drum C, provided with hammers B, and operated by means of the cord G and weight H, with the bell D, lever K, spring L, weight M, with its dovetail resting in the slotted end of the spring P, cord N, and pulley O, all substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 16th day of June, 1869.

JONATHAN L. CHESTON. [L. S.]

Witnesses:

AARON TRANSUE,  
JEREMIAH TIDABOCK.