(No Model.)

J. I. COVINGTON.

BURGLAR ALARM.

No. 467,922. Patented Feb. 2, 1892.

Fig. 3.

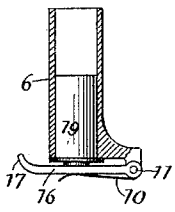


Fig. 1.

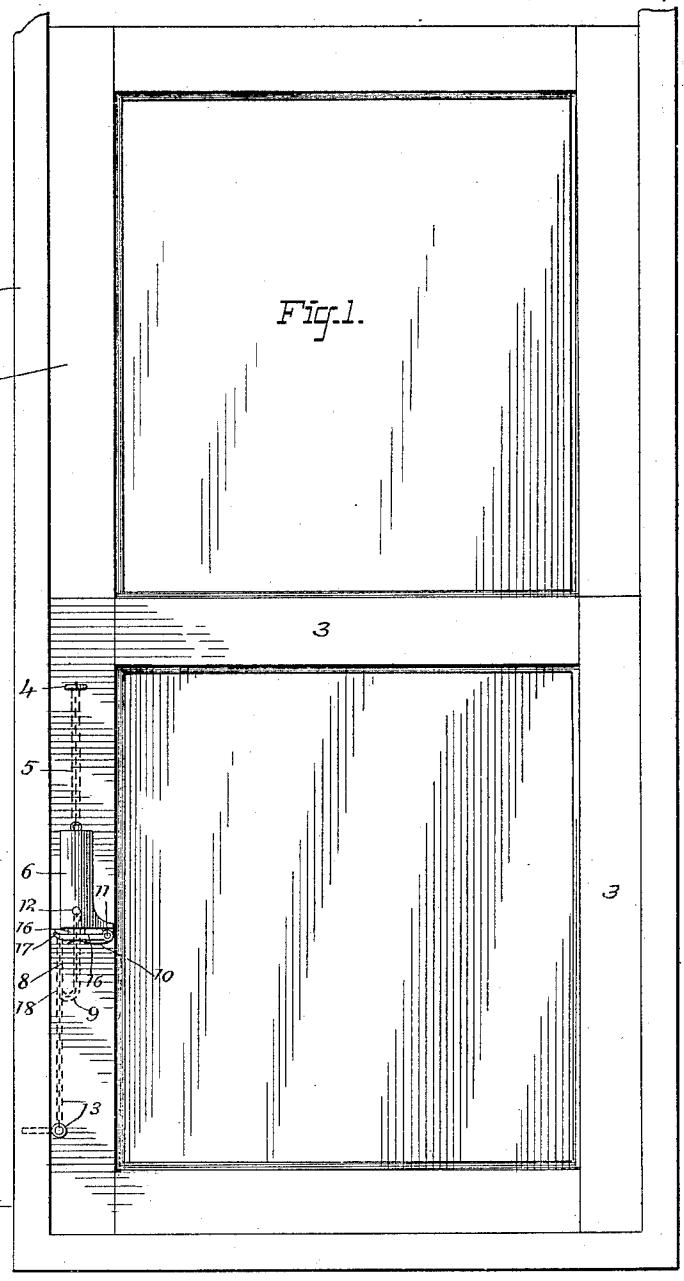
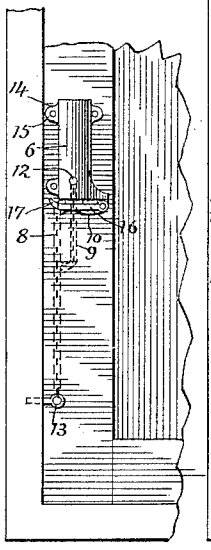


Fig. 2



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UNITED STATES PATENT OFFICE.

JOHN I. COVINGTON, OF BROOKLYN, NEW YORK.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 467,922, dated February 2, 1892.

Application filed October 7, 1891. Serial No. 407,975. (No model.)

To all whom it may concern:

Be it known that I, JOHN I. COVINGTON, a citizen of the United States, and a resident of Brooklyn, Kings county, New York, have invented a new and useful Improvement in Burglar-Alarms, of which the following is a specification.

My invention relates to burglar-alarms; and the object of my invention is to construct a cheap, simple, and efficient device that can be readily attached to any window or door of a house or other building. I accomplish this object by the means hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is an elevation of a window casing and frame or sash with my invention combined therewith. Fig. 2 represents a modified construction, and Fig. 3 illustrates a detail of the alarm mechanism.

Referring to the drawings, 1 represents the window-casing, while 2 and 3 designate the upper and lower window-sash, respectively. The open hollow cylinder or barrel 6, shaped like the barrel of a pistol, is provided with a hammer 16, pivoted at 11 to a lug on the barrel. A spring 10 is arranged to cause the hammer to strike the blank metallic cartridge 19, inserted in the barrel after it (the hammer) has been retracted, as hereinafter described. The barrel 6 is preferably fastened to the window-sash at 4 by a chain or cord 5, so as to be readily removable therefrom. Instead of using a chain the barrel may be provided with perforated lugs 14, and secured to the window-sash by screws 15, as shown in Fig. 2. This barrel with its attachments so far described may be termed the "alarm mechanism." The end 17 of the hammer 16 is slightly curved, as shown, and a chain 8, fastened by staple 13 to the window-casing 1, is hooked over said curved end. Another chain 9 is fastened to the barrel at 12 and to chain 8 at 18, leaving a certain amount of slack, as hereinafter described.

The operation of the mechanism after it has been adjusted for use, as shown in the drawings, is as follows: Upon raising the lower sash the chain 8 pulls on the hammer, drawing it away from its normal position against the force exerted by spring 10. As the sash continues to move upward the chain brings the hammer more and more into an inclined position until the chain slips off the curved end thereof, when the spring being free to act causes the hammer to strike and explode the cartridge, the noise thereof serving to give notice that an attempt is being made to open the window. The slack in chain 9, which acts as a stop mechanism, is so adjusted that the sash can be raised only a trifle more after the release of the hammer before it is taken up, said chain acting in connection with the chain 8, to which it is attached, to prevent any further raising of the sash, thus preventing entrance through the window even after the sounding of the alarm.

The chain 9 instead of being attached to chain 8 could be attached to staple 13 direct.

Having thus described my invention, what I claim, and desire to secure by United States Letters Patent, is—

1. A burglar-alarm mechanism consisting of a cartridge-holding barrel carrying a chain whereby it can be attached to a sash, a hammer pivoted to the barrel for exploding the cartridge, and a chain for attachment to the window-casing, said chain being connectible to the hammer to operate the same, substantially as described.

2. A burglar-alarm mechanism consisting of a cartridge-holding barrel carrying a chain whereby it can be attached to a sash, a hammer pivoted to the barrel for exploding the cartridge, a chain for attachment to the window-casing and connectible to the hammer for operating the same, and a supplemental chain connected to the last-named chain and the barrel, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 6th day of October, 1891.

JOHN I. COVINGTON.

Witnesses:
JOHN R. BANTA,
C. L. WISE.