

F. R. ASHLEY.
BURGLAR ALARM.
APPLICATION FILED AUG. 7, 1920.

1,367,651.

Patented Feb. 8, 1921.

Fig. 1

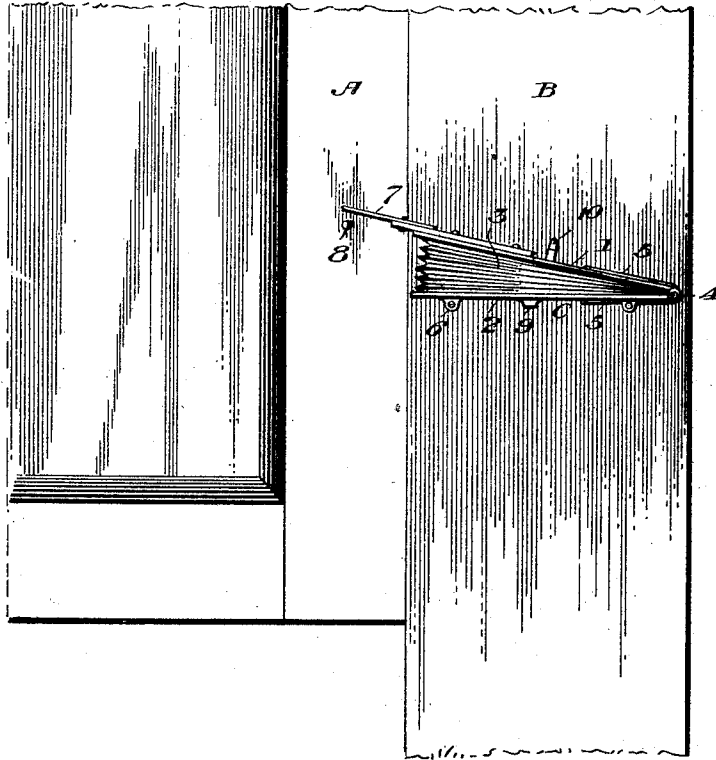
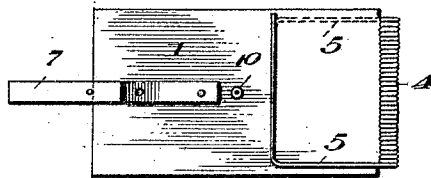


Fig. 2.



Witness
[Signature]

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UNITED STATES PATENT OFFICE.

FRANK R. ASHLEY, OF DENVER, COLORADO.

BURGLAR-ALARM.

1,367,651.

Specification of Letters Patent.

Patented Feb. 8, 1921.

Application filed August 7, 1920. Serial No. 401,910.

To all whom it may concern:

Be it known that I, FRANK R. ASHLEY, a citizen of the United States, residing at the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Burglar-Alarms, of which the following is a specification.

This invention relates to alarms, and more particularly to burglar alarms, and the object of the invention is to devise a suitable alarm of this character which may be readily attached to a window or door to give an alarm when open by an unauthorized person.

In the accompanying drawings:

Figure 1 is a plan view of a window with the device attached;

Fig. 2 is a top plan view thereof.

A, represents the window, and B, the window-frame. C is the alarm consisting preferably of a wind bellows comprising upper and lower hinged members 1 and 2, of wood or other suitable material.

The sides 3, 3, of the bellows preferably consist of canvas or other flexible material, capable of contracting and expanding in a closed and open position.

A coil spring 4 extends transversely of the bellows at its hinged end, the free ends 5, 5, extending longitudinally of the bellows and resting upon the upper and lower surfaces, acting to normally hold the upper and lower members 1 and 2 in a closed position. It is obvious, however, that this spring may extend vertically at the front of the bellows, having its free ends connected to the upper and lower members to perform a like function.

6, 6, indicate screws or other suitable fastening means to secure the bellows to the frame of the window or door. 7, indicates a flexible arm extending outwardly from the upper movable member 1 of the bellows and into the path of travel of a stud 8 carried by the window, which is adapted to raise the movable member of the bellows when the window is raised, thereby expanding the bellows sufficiently to draw in a supply of air through the valve 9, which, when the bellows is contracted by the spring 4 after the stud 8 has passed beyond the end of the flexible member, actuates a whistle 10 of conventional type, thereby giving an alarm or signal to indicate the window being raised from its normally closed position.

In operation, the spiral spring 4 normally

holds the bellows in a closed position, with the flexible arm 7 directly over the stud 8 secured to the window.

When the window is raised, the stud 8 engages the flexible arm 7, expanding the bellows against the tension of the spring 4. As the window is raised, the stud 8 passes by the flexible arm 7, allowing the bellows to assume its normally closed position through the tension of the spring 4, expelling the air therefrom through the whistle 10, thereby effecting an audible signal that the window is being opened.

In case the window is purposely opened during the day, the flexible arm 7 will permit the stud 8 to pass therebeneath when the window is finally closed, bringing the arm into operative position to effect the desired functioning of the parts when it is again opened.

It will thus be seen that I have produced a simple and efficient alarm which may be readily attached either to a window or door in such a manner as to give an alarm when either is opened.

I claim:

1. In an alarm, the combination with a frame and a movable member therein, of a stud carried by the movable member, a bellows consisting of upper and lower hinged members, one of which is rigidly secured to the frame, a flexible projection extending from the movable member into the path of travel of the stud, a spring connected with the movable member for returning it to its normal position, and a whistle communicating with the interior of the bellows adapted to be sounded when the movable member is actuated by the stud.

2. In an alarm, the combination with a frame and a movable member therein, of a stud carried by the movable member, a bellows consisting of upper and lower hinged members, the lower member being rigidly secured to the frame, a flexible projection extending from the upper movable member into the path of travel of the stud, a spring connecting the upper and lower members adapted to hold them in a normally closed position, and a whistle communicating with the interior of the bellows adapted to be sounded when the movable member is actuated by the stud.

In testimony whereof I affix my signature.

FRANK R. ASHLEY.