H. F. GREEN.

BURGLAR-ALARM.

No. 178,922. Patented June 20, 1876.

Fig. 1

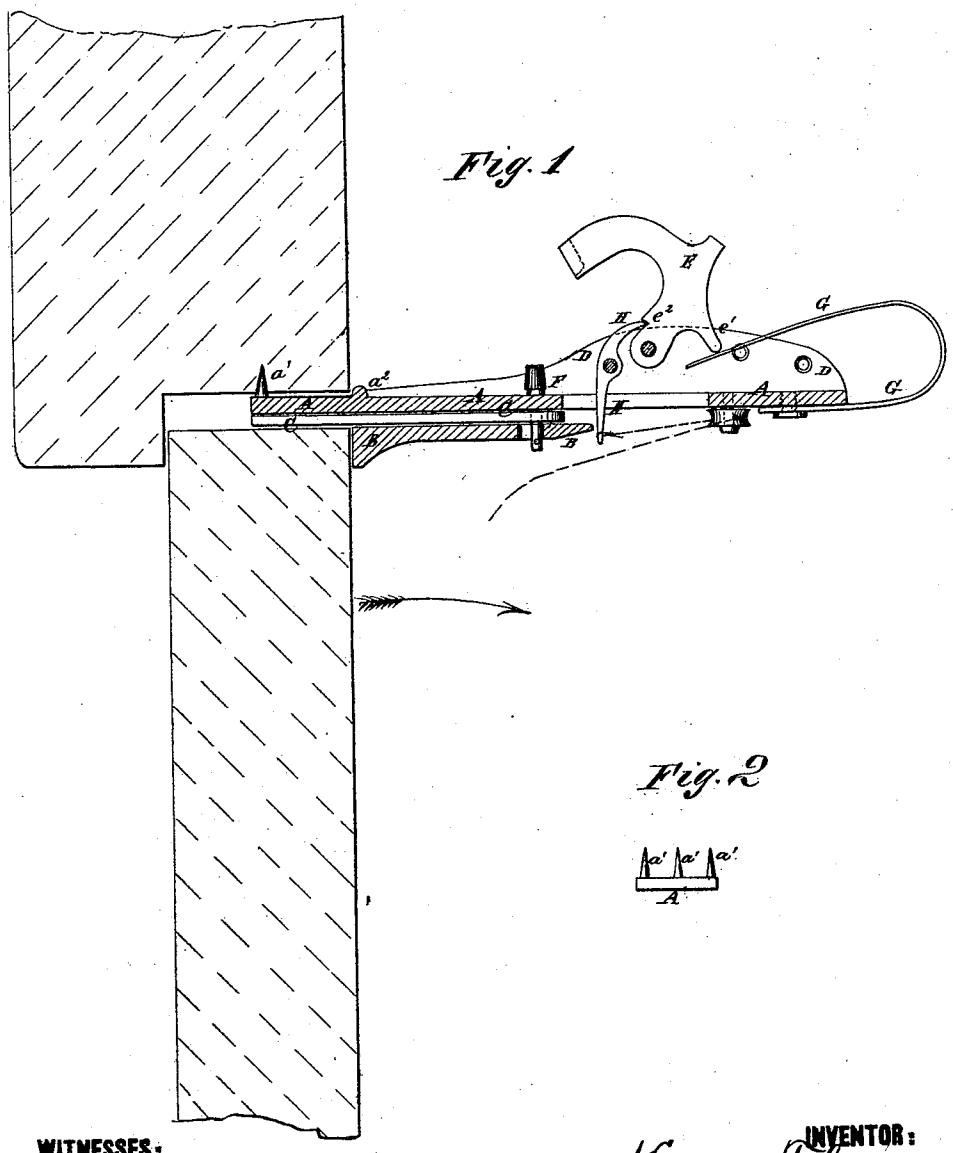

Fig. 2

WITNESSES:

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HENRY FRANCIS GREEN, OF CHETOPA, KANSAS.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. **178,922**, dated June 20, 1876; application filed April 10, 1875.

To all whom it may concern:

Be it known that I, HENRY F. GREEN, of Chetopa, in the county of Labette and State of Kansas, have invented a new and useful Improvement in Combined Door and Window Fastener and Burglar-Alarm, of which the following is a specification:

Figure 1 is a top view, partly in longitudinal section, of my improved device. Fig. 2 is a front-end view of the main plate.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device for attachment to doors and windows to prevent them from being opened from the outside, and to give an alarm should any one attempt to open them.

To this end the construction and arrangement of parts are as follows:

A represents the main plate of the device, upon the forward end of which are formed points a^1, or a sharp-edged jaw, to be forced into a door-jamb by closing the door against the other side of said plate. a^2 is a stop, formed upon the same side of the plate A as the points a^1, to regulate the adjustment of the device in place.

B is a plate, made with a thick forward end, and pivoted near its rear end to the plate A, in such a position that its forward end may be about opposite the stop a^2. The rear part of the plate B has a short longitudinal slot formed in it to receive the pivot, so that it may have a slight longitudinal movement upon said pivot.

C is an intermediate plate, interposed between the plates A B, and pivoted to the same pivot as the plate B. The plate C is designed to be turned up along the side of the plate A, when the space between the door-casing and the edge of the door is wide, to fill up the said space, and which is allowed to hang down when the said space is narrow.

Upon the side edge of the plate A is formed a flange, D, which has several holes formed in it to receive screws, for securing the device to a window-casing or sash-rail, and to which or to some other support is pivoted a hammer, E, somewhat similar to a gun-hammer, which, when thrown forward, strikes and explodes a cap placed upon a tube, F, attached to the plate A.

The hammer E is thrown to explode the cap by a spring, G, attached to the rear end of the plate A, and the free end of which presses against a projection, e', formed upon the rear part of the said hammer E.

The hammer E is held back, when cocked, by a trigger, H, the upper end of which enters a notch in the lower forward side of the hammer E. The trigger H is pivoted to the flange D, and its lower end projects through a slot in the plate A, into such a position that it may be struck by the rear end of the plate B, should said plate be pushed back by an attempt to open the door from the outside.

In using the device in connection with a door, the forward end of the plate A is placed against the rabbet of the door-casing, with the points a^1 resting against said casing, and the stop a^2 resting against the corner of the casing. The door is then closed, which forces the points a^1 into the casing, the plate C being used or not, as may be required. The plate B is turned up and pushed forward till its forward end rests against the door. The hammer E is then drawn back and secured by the trigger H, and a cap is placed upon the tube F. If, now, an attempt be made to open the door, the plate B is pushed back against the trigger H, which releases the hammer E and explodes the cap. The rearward movement of the plate B is so slight that it still holds the door securely fastened.

When the device is used for fastening a window-sash, it is secured to the window-casing by means of the flange D, with the end of the plate B resting upon the top rail of the lower sash, so that any attempt to raise said sash may explode the cap. When used in connection with window blinds or shutters, it is laid upon the water-table of the window, and secured to the bottom rail of the sash by means of the flange D. A small cord is then attached to the lower end of the trigger H, is passed around the pulley I, pivoted to the plate A, is passed through a small hole in the rail of the sash, and is secured to the blind or shut-

ter, so that any attempt to open the said blind or shutter will release the hammer and explode the cap.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of the plate A, provided with the points or jaw a^1 and the stop a^2, the two pivoted plates B C, the hammer E, the cap-tube F, the spring G, and the trigger H, substantially as herein shown and described.

HENRY FRANCIS GREEN.

Witnesses:
LEROY NEALE,
GEO. W. FOX.