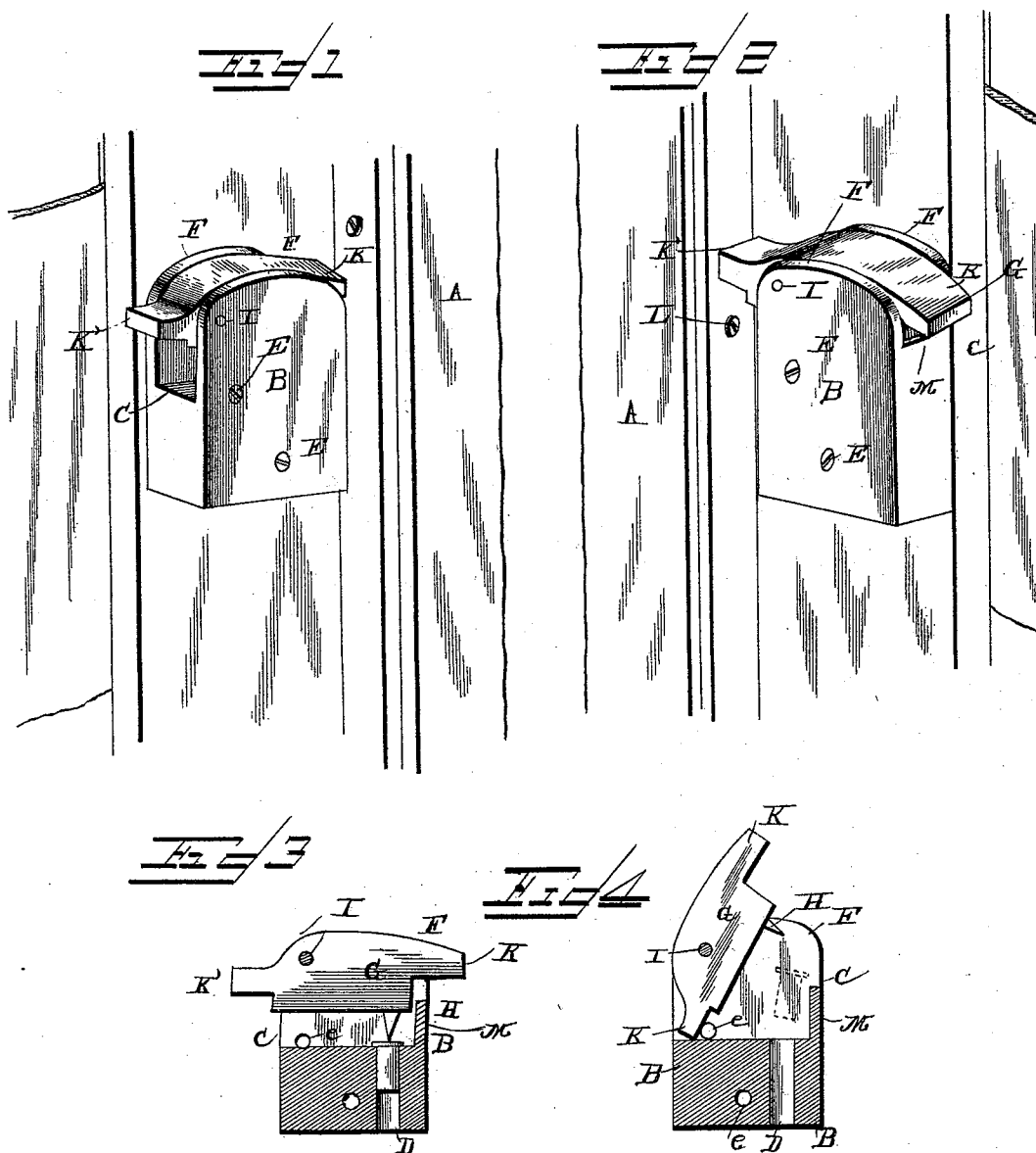


(No Model.)

C. H. DEDRICK.
BURGLAR ALARM.

No. 498,708.

Patented May 30, 1893.



Witnesses

W. E. Schneider.

Inventor

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UNITED STATES PATENT OFFICE.

CHARLES H. DEDRICK, OF MALTA, ILLINOIS.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 498,708, dated May 30, 1893.

Application filed August 2, 1892. Serial No. 441,961. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. DEDRICK, a citizen of the United States, residing at Malta, in the county of DeKalb and State of Illinois, have invented a new and useful Burglar-Alarm, of which the following is a specification.

My invention relates to a combined burglar alarm and sash lock, the object of the same being to provide a simple, cheap and effective alarm, which may be attached to the sashes independently, which may be used in connection with either the lower or upper sash, and which may also perform the function of a sash-lock, and may be used either with or without the alarm feature.

My invention is fully described in connection with the accompanying drawings and the novel features thereof will be particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of my invention applied in the operative position to a window sash. Fig. 2 is a similar view showing the operation of the device when applied to an upper sash. Fig. 3 is a vertical sectional view. Fig. 4 is a view showing the manner of inserting the cartridge, and showing in dotted lines the extreme elevation of the hammer.

A designates a portion of the sash, to which is applied the device, B, embodying my invention, the latter being provided with a casing or shell, C, containing a cartridge chamber, D, near one edge. The casing or shell is secured to the sash by means of retaining screws, E E, which fit in transverse perforations *e e*, as shown in Figs. 3 and 4. The casing or shell is provided at its top with the vertical parallel ears, F F, between which is pivotally mounted the hammer, G, provided, in alignment with the above mentioned cartridge-chamber with a striking-pin, H, to discharge the cartridge. The hammer is fulcrumed upon a transverse pin, I, and the shorter arm thereof is adapted, when the hammer is elevated as shown in Fig. 4, to engage the transverse screw, E, (being the upper screw of the two above described) to prevent

the hammer from being thrown into an inoperative position. It will be seen, by reference to Fig. 4, that the center of gravity of the hammer, when in its elevated position, is in front of its pivot, whereby the hammer is automatically adjustable and is normally held by gravity in the operative position shown in Figs. 1 and 2. The longer arm, K, of the hammer carries the above described striking-pin and extends toward the side of the casement of the window when applied to the lower sash, as shown in Fig. 1. The shorter arm, K' is arranged close to the side of the casement when the device is applied to the upper sash. Trip studs or screws, L L are attached to the casement, as shown in Figs. 1 and 2, to engage, respectively, the arms of the hammer when the sashes are raised or lowered.

In operation, a cartridge, blank, as shown in Fig. 4, is placed in the cartridge-chamber, under the striking pin of the hammer, and when the sash is raised the free end of the longer arm of the hammer engages the trip stud or screw which causes the striking pin to discharge the cartridge. If applied to the upper sash the operation is identical with the exception that the trip stud or screw strikes the lower side of the shorter arm of the hammer. In moving the sashes in the opposite directions to those above described the hammer will slip idly over the trip studs or screws.

To prevent the cartridge from scattering, and also to conceal the same while in the cartridge chamber, I provide a vertical shield, M, between the front edges of the vertical ears, as shown clearly in Fig. 3.

It will be understood that without the use of cartridges the device may be used as a sash-lock, in the same manner as above described. The engagement of the ends of the hammer with the studs or screws upon the casement will prevent the movement of the sashes. Also, by reversing the device it may be employed to hold a sash at any desired elevation, when unprovided with counterbalancing weights, series of studs or screws being provided in this case.

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

5 A device of the class described having a reversible shell, a cartridge-chamber, and a loosely pivoted hammer extending at both ends beyond the sides of the shell to be engaged by trip-studs, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES H. DEDRICK.

Witnesses:

EUGENE DEDRICK,
JOHN RYAN.