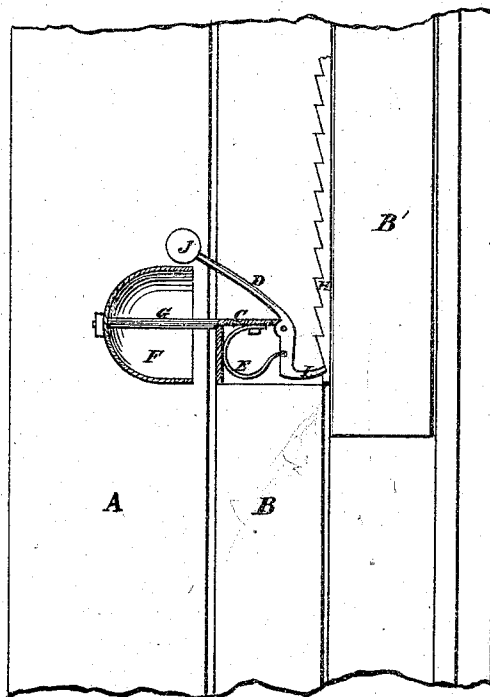


J. F. COPPOCK.
Burglar Alarms.

No. 137,532.

Patented April 8, 1873



Witnesses
W. W. Caldwell,
C. F. Mayhew

John. F. Coppock Inventor

UNITED STATES PATENT OFFICE.

JOHN F. COPPOCK, OF WEST NEWTON, ASSIGNOR TO JOSEPH D. VINNEDGE,
OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. **137,532**, dated April 8, 1873; application filed
December 23, 1872.

To all whom it may concern:

Be it known that I, JOHN F. COPPOCK, of West Newton, in the county of Marion and State of Indiana, have invented certain Improvements in Burglar-Alarms, of which the following is a specification:

My invention consists in the arrangement and mode of operating a burglar-alarm, consisting of a bell to be attached to the window-sashes of dwellings and other buildings in such a manner as that any change in the position of the sash will cause the bell to be rung, and thus sound the alarm to the inmates.

A B B' represents the frame and lower and upper sashes respectively of a window. The construction and arrangement of the alarm is represented in section. C is the case in which the bell-hammer D is pivoted, and the spring E arranged by which the hammer is caused to strike the bell, as hereafter explained. The case is attached by means of screws through flanges, at the bottom, to the upper or meeting rail of the lower sash, as shown. The bell F is attached to a rod, G, projecting from the case. Any one of the upright bars of the upper sash, or, in cases where the sash is filled by a single sheet of glass, either of the stiles, is furnished

with a ratchet-bar, H. The case, of course is to be attached to the lower sash opposite to the ratchet-bar on the upper sash. The lower part of the hammer lever is bent outward as shown at I, so as to engage with the ratchet-bar H.

It is obvious from this arrangement that, if the lower sash is raised or the upper one pulled down, the hammer J will be tripped and the bell rung.

The same device may be attached to doors by attaching the ratchet to the casing and arranging it so that it may be turned to one side during the day, or at such times as the alarm is not required.

The alarm is applicable to sashes hung in any of the ordinary modes.

I claim as my invention—

The burglar-alarm consisting of the case C, supporting the bell F, and the hammer D J, with spring-arm E I, in combination with the ratchet-bar H, all constructed and arranged substantially as and for the purpose set forth.

JOHN F. COPPOCK.

Witnesses:

H. W. CALDWELL,
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