

W. F. MAURICE.  
BURGLAR ALARM.

No. 184,642.

Patented Nov. 21, 1876.

FIG. 1

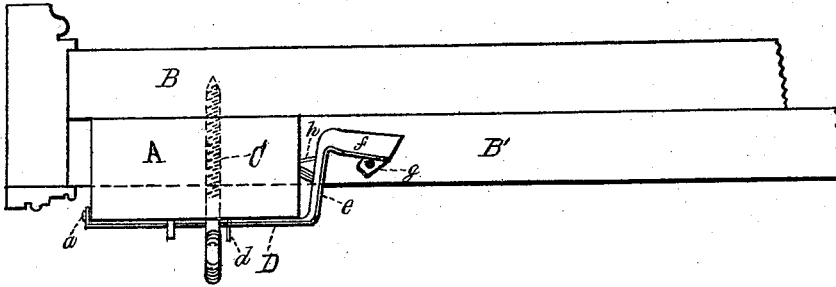
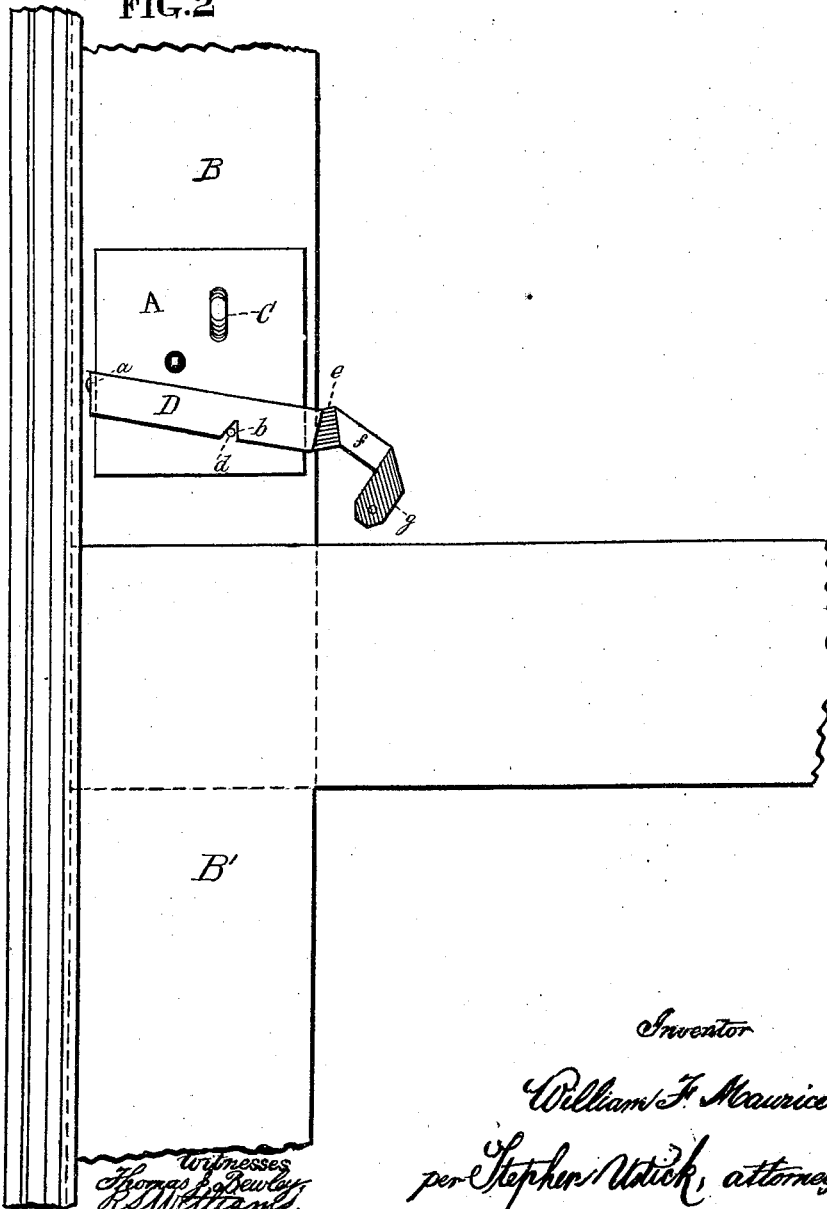


FIG. 2



Inventor

William F. Maurice

per Stephen Watch, attorney

# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. 184,642, dated November 21, 1876; application filed October 10, 1876.

*To all whom it may concern:*

Be it known that I, WILLIAM F. MAURICE, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Burglar-Alarms, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

My invention consists of a tripper formed of a metallic strip, constructed as hereinafter described, in combination with a burglar-alarm and the upper and lower sashes of a window in such a manner that the lowering of the upper sash or the raising of the lower sash shall break the connection between the tripper and the alarm, and set the latter in motion, as hereinafter fully described.

In the accompanying drawings, Figure 1 is a top view of the alarm, in connection with the upper and lower sashes of a window. Fig. 2 is a front view of the same.

Like letters of reference in both figures indicate the same parts.

A is a case, which contains ordinary striking-works of a burglar-alarm. It is therefore deemed unnecessary to show the interior arrangement of the works. B is a portion of a stile of the upper sash; and B' a like portion of the lower sash. C is a screw which confines the case A to the upper stile B. D is a tripper formed of a metallic strip, which is bent at one end to form the curved beak *a*, which enters a depression in one side of the case A. The middle and straight portion of the tripper has a notch, *b*, at one edge, which engages with the outwardly-projecting end of the hammer-wire *d*. The other end of the tripper is bent so as to form parts *e f g*. The part *e* is provided with an elastic ball or protuberance, *h*, for the purpose of bearing against the opposite side of the case A, to that with which

the other end of the tripper is connected, so as to hold the tripper securely when set, and yet admit of its being easily disconnected from the case and hammer-wire by the opening of the window.

The operation is as follows: The beak *a* of the tripper being engaged with a depression in the edge of the case A, the projecting end of the hammer-wire *d* drawn in the direction of the arrow and connected with the notch *b* of the tripper, as seen in the drawings, and the elastic ball or protuberance *h* being pressed against the side of the case A with sufficient force to hold the tripper securely in position, the end of the part *g* is caused to touch, or nearly so, the meeting-rail of the lower sash. Then if a burglar attempts to open the window, either by lowering the upper sash or raising the lower one, the downward pressure of the part *g* of the tripper upon the meeting-rail, or the upward pressure of the latter against it, disconnects the tripper from its connection with the case A and hammer-wire *d*, and thereby sets the hammer in motion to strike the bell and give the alarm.

I claim as my invention—

1. The tripper D, having a beak, *a*, notch *b*, bent parts *e f g*, and elastic ball or protuberance *h*, substantially in the manner and for the purpose set forth.

2. The combination of the case A, tripper D, and the upper and lower sashes of a window, the case having a firm connection with the upper sash, and the part *g* of the tripper bearing upon the meeting-rail of the lower sash, substantially in the manner and for the purpose above set forth.

WILLIAM F. MAURICE.

Witnesses:

STEPHEN USTICK,  
THOMAS J. BEWLEY.