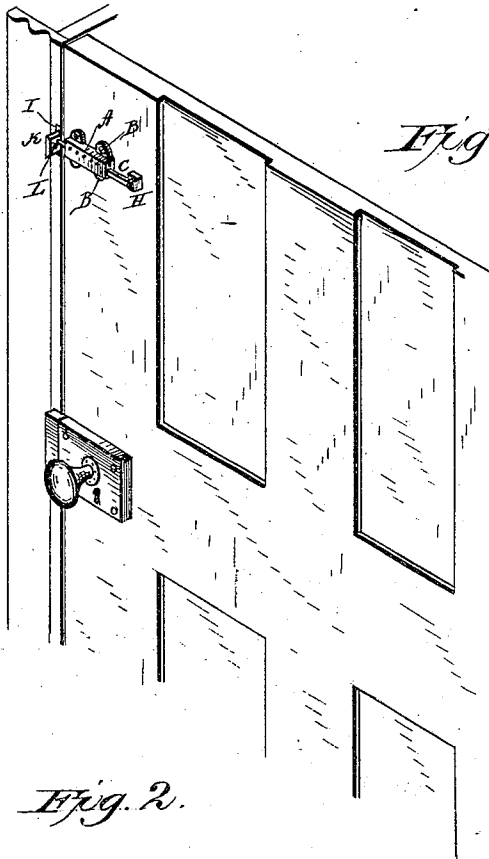


(Model.)

T. F. WILSON.  
Burglar Alarm Bolt.

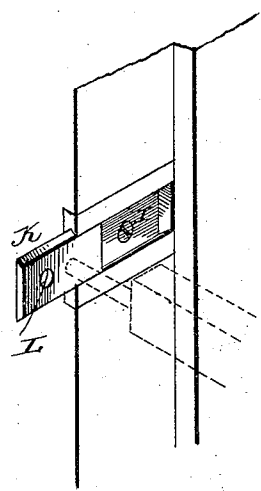
No. 242,574.

Patented June 7, 1881.

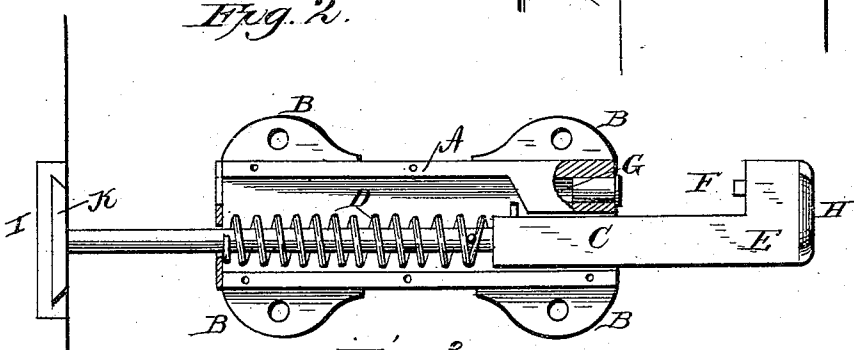


*Fig. 1.*

*Fig. 4.*

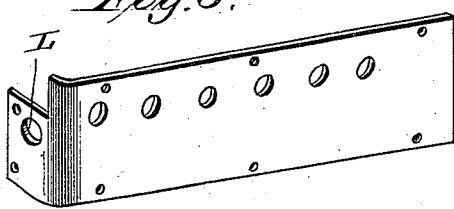


*Fig. 2.*



*Fig. 3.*

Witnesses,  
Frank L. Conant  
C. C. Sully



Inventor,  
Theo. F. Wilson

# UNITED STATES PATENT OFFICE.

THEODORE F. WILSON, OF WASHINGTON, DISTRICT OF COLUMBIA, AS-  
SIGNOR OF ONE-HALF TO E. K. BUCHANAN, OF SAME PLACE.

## BURGLAR-ALARM BOLT.

SPECIFICATION forming part of Letters Patent No. 242,574, dated June 7, 1881.

Application filed April 23, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, THEODORE F. WILSON, a citizen of the United States, residing at Washington, in the District of Columbia, have  
5 invented certain Improvements in Burglar-Alarm Bolts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to  
10 make and use the same, reference being had to the accompanying drawings, and to the letters and figures marked thereon.

This invention relates to certain improvements in burglar-alarms, and it has for its objects to provide a bolt for a door or window,  
15 which may be so set that when the door or window is partially opened or tampered with the bolt will be automatically thrown forward, exploding a cap or cartridge to give an alarm,  
20 and at the same time engaging a fastening secured to the jamb or frame of the door or window, effectually securing said door or window. These objects I attain by the mechanism and devices illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of my improved alarm-bolt and the door jamb or frame and its connections; and Fig. 2, a view  
30 of the bolt-casing with the covering-plate removed, showing the spring for projecting the bolt. Fig. 3 represents a detached view of the cover of the bolt-casing, and Fig. 4 a modification of the adjustable plate for engaging the bolt.

The letter A indicates the bolt-casing, which is constructed of cast metal with perforated  
35 lugs B, by means of which it can be fastened to the door.

The letter C indicates a reciprocating bolt adapted to move longitudinally in the casing.  
40 The said bolt is held in and returned to a normal position by means of a spring, D. The rear of the bolt is provided with a head, E, and hammer F, and the casing with a recess, G, for  
45 the reception of a cap or cartridge. The said rear end of the bolt is also constructed with a thumb-button, H, by means of which it can be drawn back for the purpose of setting it. The

forward end of the bolt projects beyond the forward end of the bolt-casing, as indicated in  
50 the drawings.

The letter I indicates a plate which is secured to the door jamb or frame, and K an adjustable metallic plate secured thereto. The  
55 said plate is provided with an aperture, L, through which the forward end of the bolt is adapted to pass. The said plate K is swiveled or otherwise attached to the plate I, so that it can be arranged to obstruct the bolt and hold  
60 it back when properly set, or be thrown back, so as not to interfere with it.

The operation of my invention is as follows: The bolt-casing being properly secured to the door, and the plate I to the door-jamb to set  
65 the bolt, the plate K is thrown up, so as to form a bearing for the forward end of the bolt, this bolt having been properly drawn back, so that its forward end will rest against the said adjustable plate in position to strike into the  
70 aperture therein when it is attempted to open the door, permitting the bolt to be suddenly thrown forward, exploding the cap or cartridge, and at the same time securely bolting  
the door.

The casing may be provided with a series of  
75 apertures, as indicated in the drawings, to permit the escape of gases developed by the explosion of the cap or cartridge, and prevent injury to the device.

Having thus described my invention, what  
80 I claim is—

In combination with the plate A, provided with perforated lugs B, and a receptacle, G, for a cartridge, the bolt C, having a projecting  
85 forward end and a rear thumb-button, H, carrying a hammer, F, the spring D, and the adjustable plate K, the whole being adapted to be arranged substantially as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses.

THEO. F. WILSON.

Witnesses:

CHAS. L. COOMBS,  
D. P. COWL.