

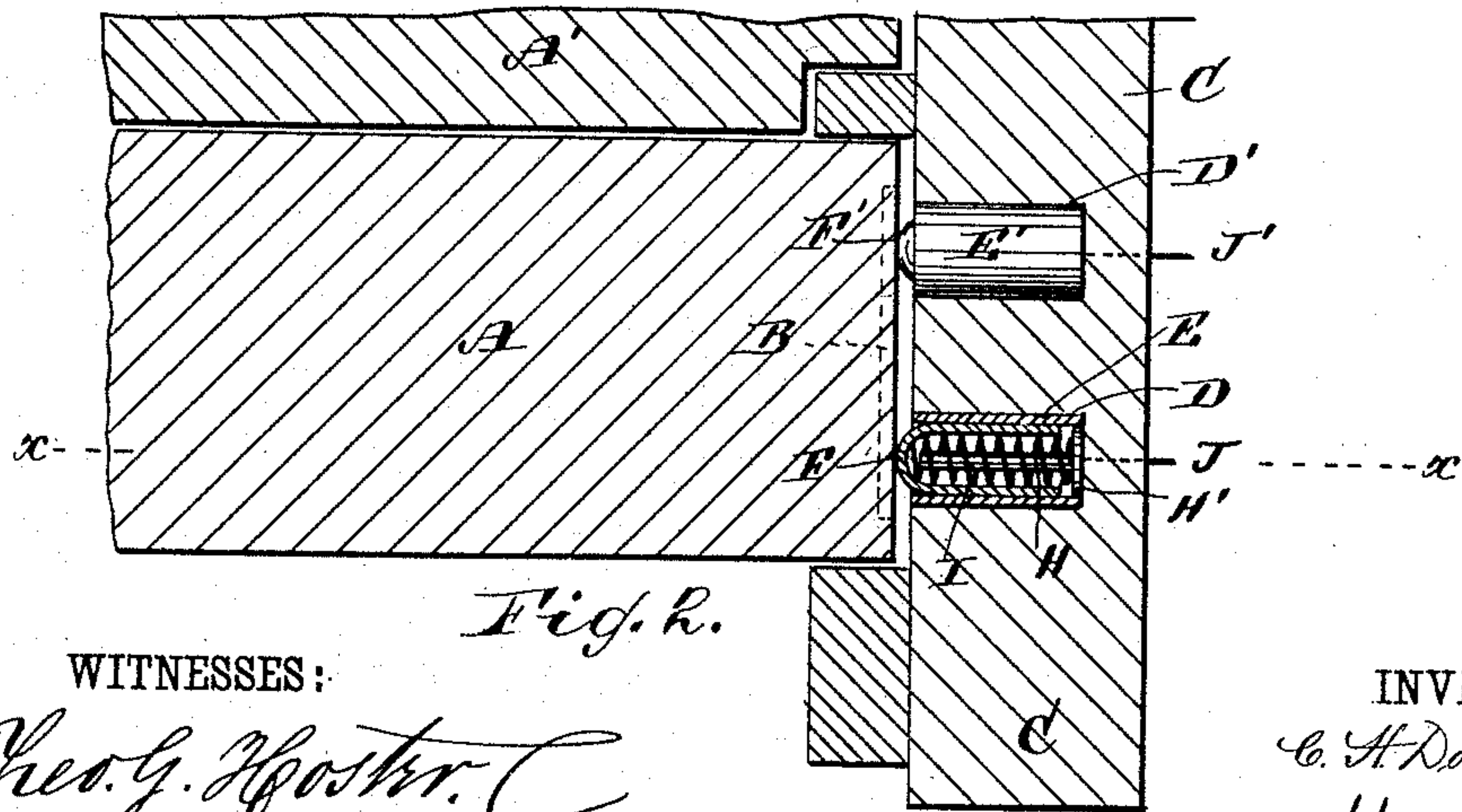
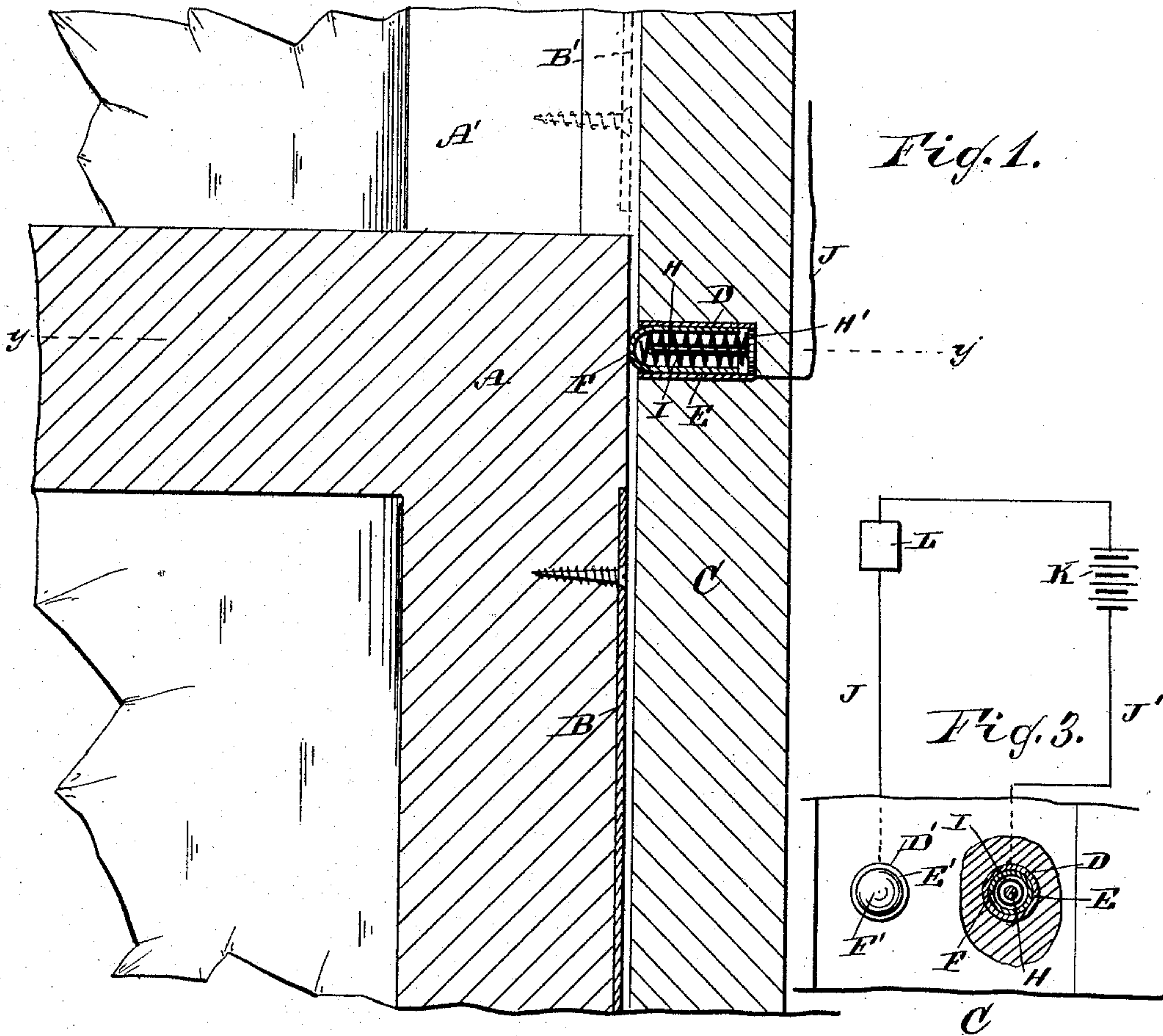
(No Model.)

C. H. DOWDEN.

BURGLAR ALARM.

No. 352,861.

Patented Nov. 16, 1886.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

CHARLES H. DOWDEN, OF NEWARK, NEW JERSEY.

## BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 352,861, dated November 16, 1886.

Application filed March 11, 1886. Serial No. 194,915. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES H. DOWDEN, of the city of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Burglar-Alarm, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved burglar-alarm, which gives an immediate alarm when either the lower window-sash is raised or the upper window-sash is lowered, and which continues to sound the alarm as long as the sashes are in such raised or lowered position, which makes it impossible for the windows to give a false alarm, as they must be raised or lowered about an inch before an alarm can possibly be given.

The invention consists of two sliding metallic buttons, each placed in a metallic shell attached to the window-jamb, of a metallic strip or bar secured to one edge of each window-sash, and of two wires, each attached to a metallic shell, and connected, respectively, with a battery and a device for giving the alarm.

The invention also consists of various parts and details, and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional elevation on the line *xx*, Fig. 2, of the lower sash, showing my improvement. Fig. 2 is a sectional plan view of the same on the line *yy*, Fig. 1. Fig. 3 is a face view of the window-jamb, partly in section, showing the buttons and shells and their respective connections.

To either outer edge of the lower window-sash, A, is fastened a metal strip, B, which extends from a short distance below the top of the sash to the bottom of the same, and to one edge of the upper sash, A', is attached a similar strip, B'.

In each race of the window-jamb C are formed two apertures, D and D', in the same horizontal plane and a short distance apart. In each of these recesses or apertures is fitted a metal shell, E or E', in which slides a metallic button, F or F', which is closed and rounded off at its outer end only. In each shell E or E'

is placed a pin, H, having a head, H', which rests against the jamb C at the inner end of the recess D or D'. Around the pin H is coiled a spring, I, one end of which rests against the head H', and the other end presses against the closed outer end of the metallic button F or F', so as to hold said button in constant contact with the outer edge of the sash A or A'.

To each of the shells E and E' is attached a wire, J or J', which passes through the jamb C and along its inner side, either up or down, according to circumstances. One wire J or J' connects with the battery K and the other with the alarm L.

It will be understood that the upper and lower sashes, A and A', are each provided with a metal strip, B or B', respectively, and in each race of the window-jamb are two buttons and shells, as above described. When the window-sashes A and A' are both closed, their respective metal strips B and B' are a short distance from the closed ends of the buttons F and F', which then rest against the wood-work of the sash; but when either the lower sash, A, is raised, or the upper sash, A', is lowered, the respective metal plate B or B' comes in contact with the two metallic buttons F and F', thus making a metallic connection between the two buttons F and F', whereby an electric circuit is completed between the battery K and the alarm L, which latter thus gives the alarm until the sash is again closed. The spring I keeps the outer closed end of the button F or F' in constant contact with the outer edge of the window sash, and also compensates for all play between the sash and the jamb caused by wear or shrinkage.

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

1. In a burglar-alarm, a metallic strip attached to the outer edge of a window-sash, in combination with two metallic buttons, each sliding in a shell and pressed against the outer edge of the sash by a spring, and wires connecting the said buttons with an alarm and a battery, substantially as shown and described.

2. In a burglar-alarm, a metallic strip attached to the outer edge of a window-sash, in combination with two metallic buttons placed in the jamb of the window-frame and pressed



against the outer edge of the window-sash by springs, so that when the sash is raised or lowered a contact is established between the metallic strip and the metallic buttons, and  
5 when the sash is closed the said metallic strip and buttons are out of contact, substantially as shown and described.

3. In a burglar-alarm, the window-sash A, provided with the metallic strip B, in combination with the shells E and E', placed in the  
10 jamb C, the sliding metallic buttons F and F', pressed against the edge of the window-sash by the springs I, held in place by pins H, having heads H', and the wires J and J', connecting  
15 the shells E and E' with an alarm and a bat-

tery, substantially as herein shown and described.

4. In a burglar-alarm, the shells E and E', the sliding buttons F and F', the pins H, having heads H', the springs I, and a metallic  
20 plate, B, attached to the outer edge of the window-sash, in combination with the wires J and J', connecting with the alarm and with the battery, substantially as herein shown and described.

CHARLES H. DOWDEN.

Witnesses:

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