

C. G. MUNSELL.
BURGLAR ALARM.
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913,669.

Patented Feb. 23, 1909.

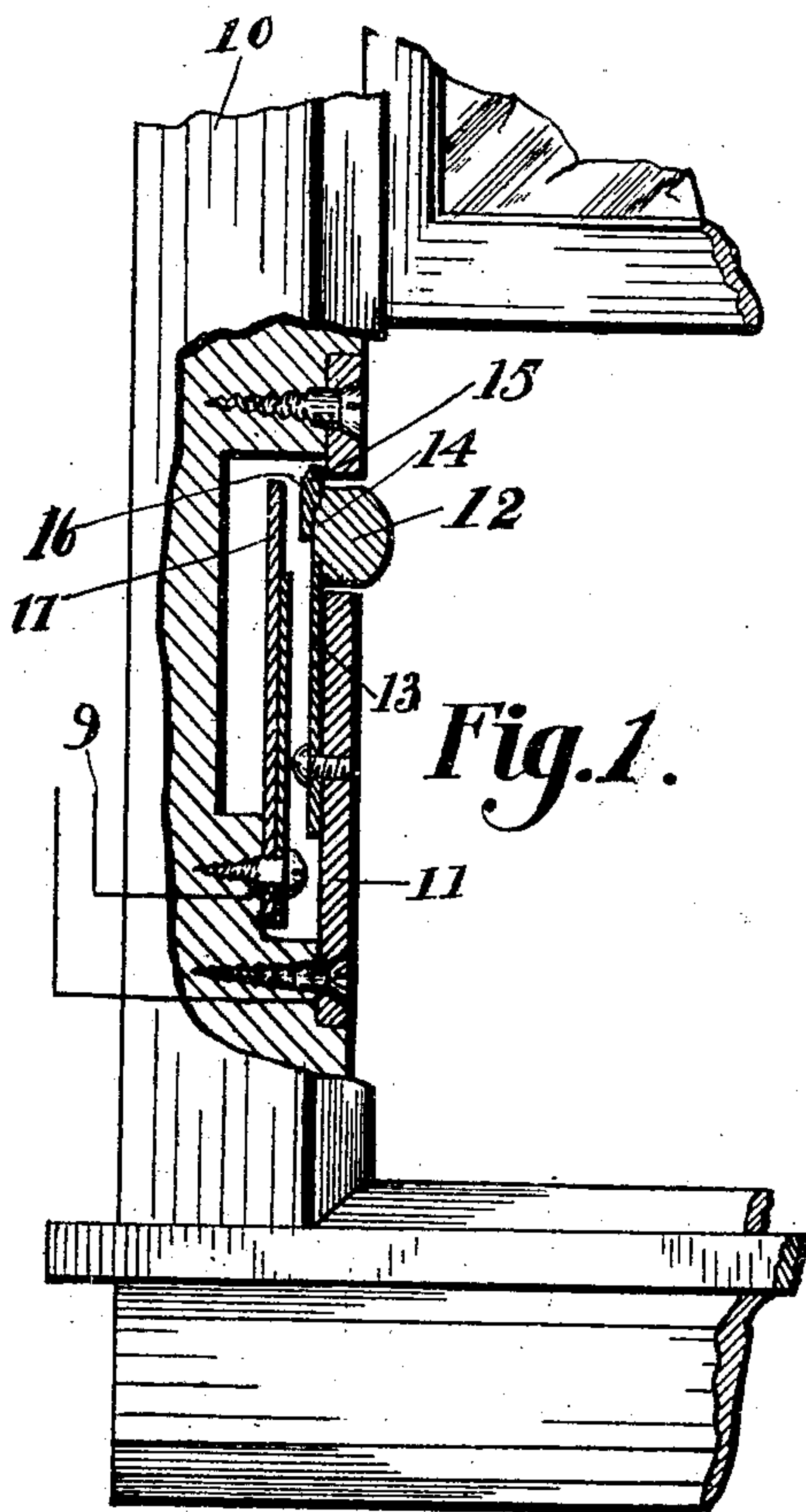


Fig. 1.

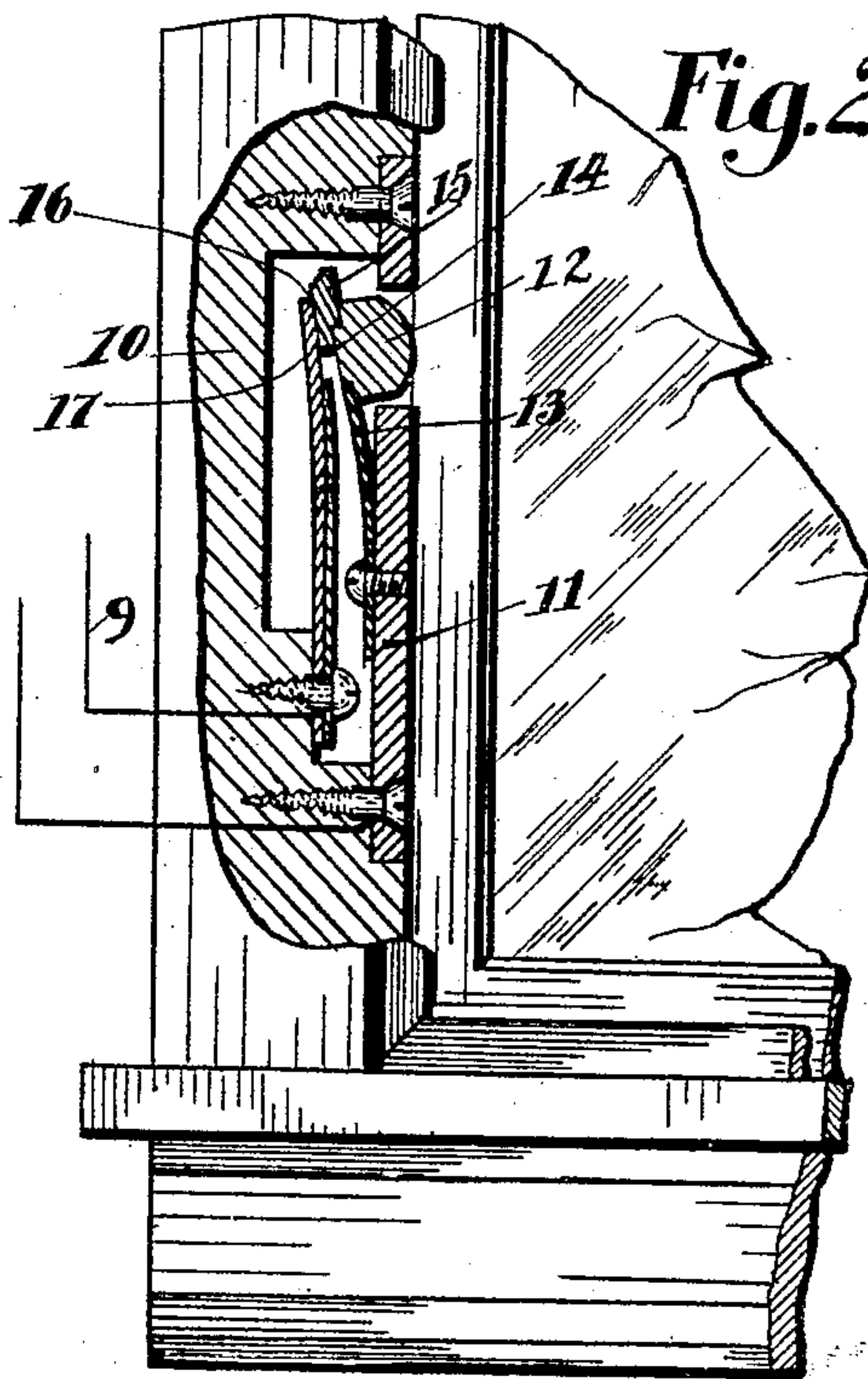


Fig. 2.

Witnesses

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BURGLAR-ALARM.

No. 913,669.

Specification of Letters Patent.

Patented Feb. 23, 1909.

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To all whom it may concern:

Be it known that I, CHARLES G. MUNSELL, a citizen of the United States, residing at Sidney, in the county of Fremont and State of Iowa, have invented a new and useful Improvement in Burglar-Alarms, of which the following is a specification.

This invention relates to improvements in means for detecting and announcing surreptitious or other attempts at opening, or in any way interfering with, the doors, windows or other passages protected by said means, and the object of this invention is to provide means which may be readily attached to doors and windows and automatically operable upon disturbance thereof to sound an alarm.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification and in which—

Figure 1 is a detail view of a part of a window frame and window partly broken away, showing the circuit breaker in open position, and Fig. 2 is a similar view showing the circuit breaker in closed position.

In carrying out my invention I employ a closed circuit, and in this interpose the circuit breakers, the breaking of which causes the alarm to sound. 9 indicates the wires of the circuit which are connected to the circuit breakers forming part of the burglar alarm system. The circuit breakers are applied to a door or window frame 10, consisting in either case of plate 11, adapted to be inserted in the wood work forming the stile or jamb of the window or door and secured therein by screws or other suitable means. Freely fitting in a central circular opening in the plate 11 is a button shaped member 12, having a rounded exterior adapted to contact with an opposing body, as the sash of a window or the edge of a door, and be forced into a suitable recess formed in the framing thereof, against the pressure of a flat spring 13, which has the normal effect

of keeping the button 12 in an outwardly extending position. The spring 13 is made so as to surround the reduced portion 14 of the button 12, and is provided with a projection 15, limiting its outward motion; and a point 16 on the inner side of the button 12 which makes contact against and forms a circuit with the insulated spring plate 17 when the button 12 is depressed. The current may pass through any number of the above described buttons.

In operation, if a door or window be opened, permitting the contact between the point 16 and the spring plate 17 to become separated or if the window be raised so that the button 12 recedes from the place 17, the circuit is broken and the alarm sounded.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

The combination with a closed circuit alarm system, of a circuit breaker adapted to be arranged in a recess formed in the frame of a door or window comprising a flat spring plate secured to the bottom of said recess having a strip of insulating material arranged over a portion of its outer face, an apertured plate secured over said recess inclosing the same, a spring plate secured to the under side of said plate within the recess, said plate being provided with an enlarged apertured end extending across the aperture of the plate, and a button secured in the aperture of the spring extending out through the aperture of the plate for normally holding said enlargement into engagement with the uninsulated portion of said spring plate when under pressure.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES GARDNER MUNSELL.

Witnesses:

T. E. ALLEN,
J. R. F. MILES.