

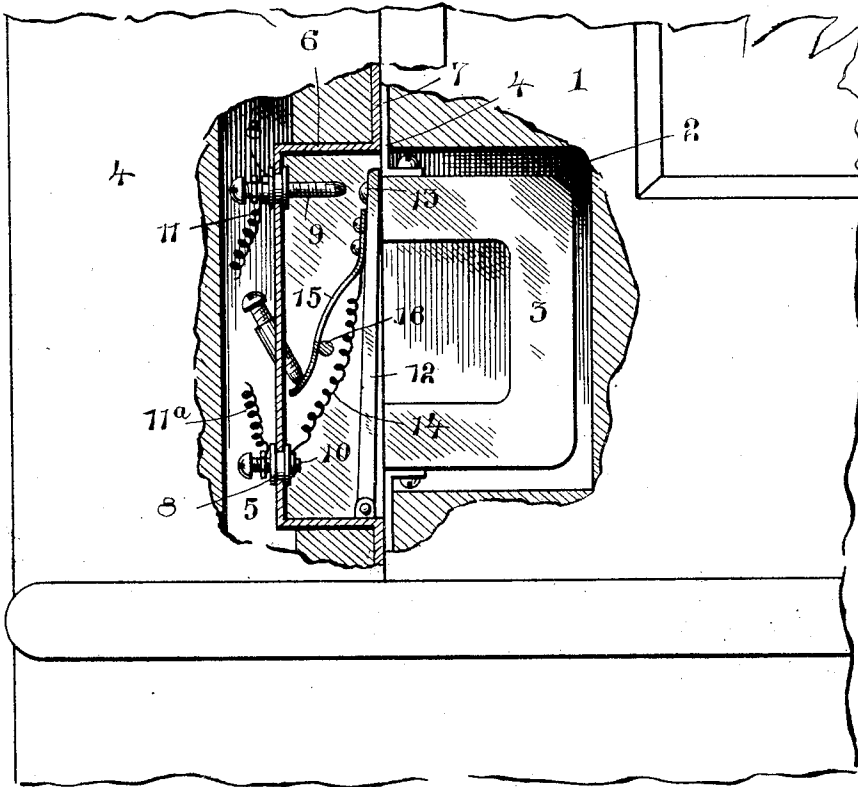
No. 700,812.

Patented May 27, 1902.

G. M. PEYTON.
ELECTRIC ALARM.

(Application filed June 1, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

GUY M. PEYTON, OF SALT LAKE CITY, UTAH.

ELECTRIC ALARM.

SPECIFICATION forming part of Letters Patent No. 700,812, dated May 27, 1902.

Application filed June 1, 1901. Serial No. 62,784. (No model.)

To all whom it may concern:

Be it known that I, GUY M. PEYTON, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, (whose post-office address is 235 Fifth East street,) have invented new and useful Improvements in Electric Alarms, of which the following is a specification.

This invention relates to electric alarms, and the primary object thereof is to construct a circuit-closer for devices of this character which may be readily attached to a door, window, or any object to which an alarm of this character is applicable; and to this end my invention consists of a permanent magnet which normally attracts its armature, thereby breaking the circuit, and when said armature is released by the door, window, or other object being opened the circuit will be closed, and thereby give an alarm.

It further consists of novel details of construction, combination, and arrangement of parts, which will appear as the nature of the invention is more fully understood from the following description and appended claims.

The figure is a side elevation in detail of a window frame and sash, part of the same being cut away to show my invention applied thereto.

Referring now more particularly to the drawing, the numeral 1 designates a sash having a mortise or recess 2, into which is fitted and secured the permanent magnet 3 by means of the brackets 4, which may be secured to the magnet and sash in any manner desired. The frame 4 has a similar mortise or recess 5, in which is fitted the casing 6, which is preferably rectangular in form and provided with flanges 7, these flanges being embedded in the side of the frame and securely held thereto in any preferred manner. The casing has fitted therein internally-threaded non-conducting sleeves or barrels 8, adapted to receive the binding and conducting screws 9 and 10, to which are secured by suitable means the extremities of the conducting-wires 11 and 11^a. The binding and conducting screw 9 forms a contact-point. Fulcrumed in said casing is the armature 12, having a contact-point 13 to coöperate with the screw 9 and leading therefrom to the conducting-screw 10 in the wire 14. Secured to

the inner face of the armature is a spring 15, which projects outwardly and downwardly and has a curved free end which passes over and abuts against the surface of a pin 16, which extends inwardly and laterally from one side of the casing 6, and the tension of said spring is regulated by means of the screw 17, which is adjustably secured in a barrel or sleeve 18, mounted in the rear wall of the said casing.

The operation is as follows: When the sash is closed, as shown in the drawings, the magnet 3 faces the armature 12 and attracts said armature, thereby withdrawing the contact-point 13 from engagement with the screw 9 and breaking the circuit, this being the normal disposition of the parts as long as the sash remains closed. When the sash is opened, the magnet 3 is moved out of line with the armature, leaving the latter free to be drawn back by the spring 15, whereby the contact 13 is caused to engage the contact 9, so as to close the circuit and cause the passage of an electric current through the alarm device. The circuit-closer may be employed in connection with an aural or visual signal of any preferred kind, but preferably with one or more electric bells, which will sound an alarm when the sash is opened. When the sash is again closed, the parts are restored to the position shown in the drawing and reset for further operation.

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

1. In a circuit-closer the combination of a stationary casing, electric circuits arranged within the casing, an armature pivotally mounted in the casing, a spring mounted on the armature to normally hold it in contact and thereby close the circuit, a movable member, a magnet therein with which the armature contacts to hold the circuit open in normal position when the magnet is engaged with the armature and whereby the circuit is closed when the magnet and movable member are moved away from the armature.

2. A burglar-alarm comprising a stationary member and a movable member, in combination with a magnet secured to the movable member, an armature and electric connections secured to the other member, said mag-

net attracting the armature to hold the circuit open, a spring for retracting the armature to close the circuit when the magnet is moved from the armature, and a screw bearing on the end of said spring to regulate the tension thereof.

3. In a burglar-alarm, the combination with a window-frame having a recess therein, of electric circuits arranged therein, an armature pivotally mounted in said recess, means to normally hold the armature in contact, a window-sash having a recess, and a magnet located therein with which the armature contacts to hold the circuit open.

4. In a burglar-alarm, the combination with

a window-frame carrying an armature and electric-circuit connection, a window-sash carrying a magnet with which the armature contacts to hold the circuit normally open in one position of said frame, and a spring for retracting the armature to close the circuit when the magnet is moved out of engagement therewith.

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

GUY M. PEYTON.

Witnesses:

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