

W. CROWLEY.
 PORTABLE BURGLAR ALARM.
 APPLICATION FILED FEB. 14, 1911.

1,009,285.

Patented Nov. 21, 1911.

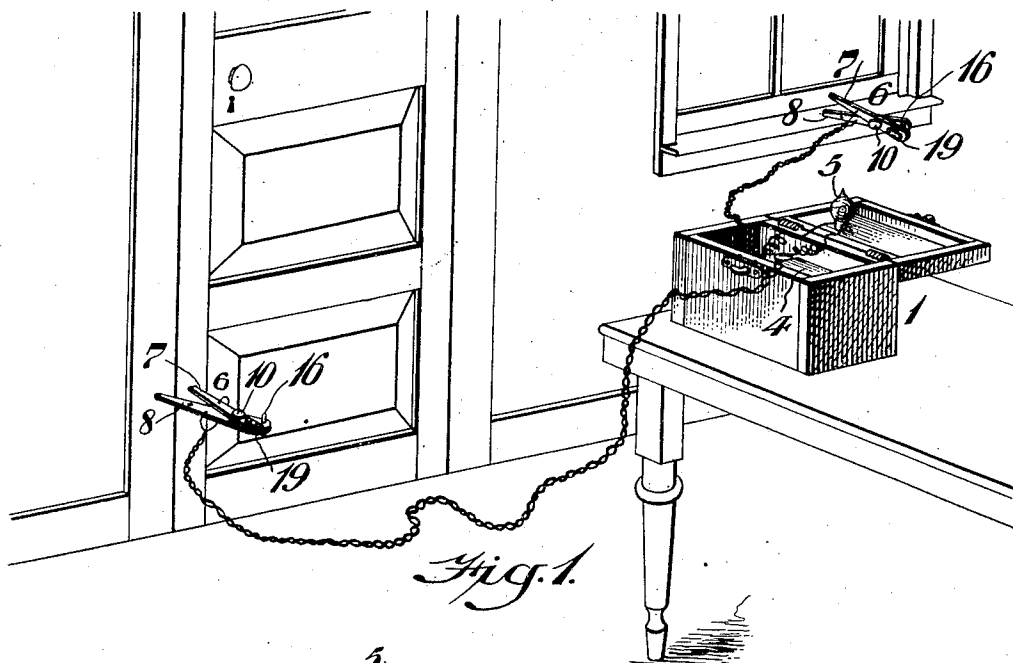


Fig. 1.

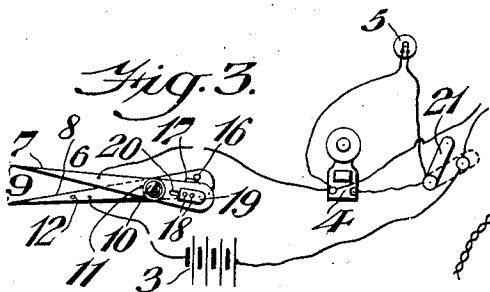


Fig. 3.

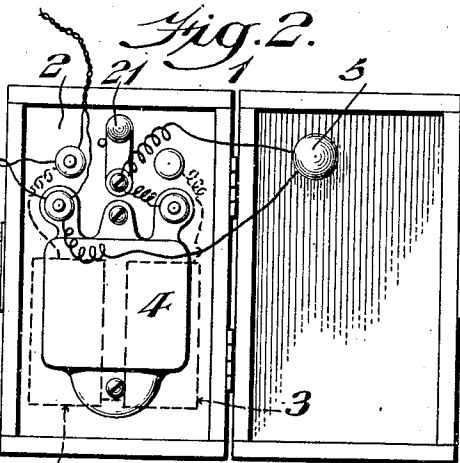


Fig. 2.

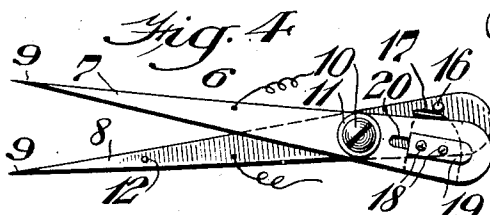


Fig. 4.

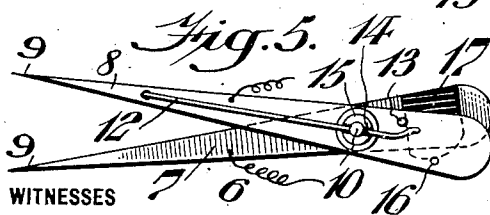


Fig. 5.

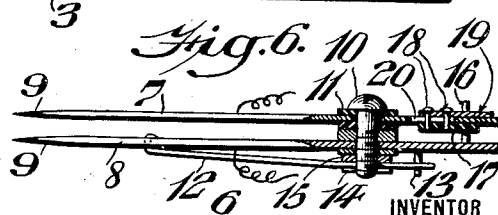


Fig. 6.

WITNESSES

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PORTABLE BURGLAR-ALARM.

1,009,285.

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To all whom it may concern:

Be it known that I, WILLIAM CROWLEY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Portable Burglar-Alarm, of which the following is a specification.

This invention relates to burglar alarm devices and more particularly to a portable alarm and has for an object to provide a mechanism which may readily be attached to a door, window or other movable part whereby any movement of such part will cause an alarm to be given.

It has for a further object to provide a simple and effective device for the purpose intended and which takes up little space, is compact, and may be carried from place to place by travelers for use in hotels, or other dwellings as an additional safe guard over the common locking device.

It further consists of other novel features of construction all as will be hereinafter fully set forth.

For the purpose of illustrating my invention, I have shown in the accompanying drawings one form thereof which is at present preferred by me, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of these instrumentalities as herein shown and described.

Figure 1 represents a perspective of a device embodying my invention in operative position. Fig. 2 represents a plan of the operating mechanism in its box. Fig. 3 represents a diagrammatic view of the electrical circuit. Figs. 4, 5 and 6 represent respectively, different views of the circuit closing device.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings:—1 designates a suitable box preferably of convenient size for transportation in an ordinary traveling case or the like, the same preferably having mounted therein a base 2, to which are secured the battery 3 and alarm buzzer 4, of any well known type.

5 designates a lamp here shown as secured to the cover of the box and connected

in the circuit with the said battery and buzzer, whereby both the buzzer 4 and light 5 are operated simultaneously, as will be apparent.

In the present instance I have provided a novel type of circuit closure 6, consisting in the present instance of the members 7 and 8, each preferably provided with pointed ends 9, so that the device may be pressed into a suitable material. These members 7 and 8, in the present instance, are preferably mounted on the pin 10 with suitable insulation 11 between one of the members and the said pin 10 so that the same are electrically disconnected, while a spring 12 is secured to the member 8 and preferably passes through the pin 10 and bears against the lug 13 so that should the members move relative to each other, the spring 12 returns them to normal position. It will be noted that a slot 14 is formed in the washer 15 on the end of this pin 10 the purpose of which is to form a bearing for the spring 12.

16 designates a contact pin secured to one of the members of the closure 6 and projecting a sufficient distance to be in the path of movement of the opposite member whereby when the device is in operative position, contact will be closed between the pin 16 and the opposite member, as will be apparent. As the spring 12 normally tends to hold this pin 16 against its adjacent member, I have preferably provided a strip of insulation 17 slidably mounted on the member 7 adjacent the pin 16 and adapted in certain positions to hold the pin 16 out of contact with the member 7. However when it is desired to bring the device into operative position this strip 17 is moved to one side, thus allowing the pin 16 to rest directly against the member 7 and close the contact for operation of the device when the spring 12 pulls the parts together. The strip 17 is here shown as secured by pins 18 to a second strip 19 on the opposite side of the member 7 from the member 17, the said pins passing through a suitable slot 20 in the member 7. A circuit for operating the device consists of the battery 3 connected at one side to the member 8 through the pin 16 to the member 7, thence to one terminal of the alarm buzzer 4, and from the other terminal to a switch 21 and thence back to the battery 3.

In the operation of the device the closure is opened and the pointed ends 9 pressed into

the wood work around a door or window, one of the points being placed in the moving part while the other is in the fixed adjoining part so that any movement of the door or window as the case may be, causes the closure to drop out whereupon the spring 12 returns the members to normal position and brings the pin 16 into contact with the member 7, it of course being understood that the insulating strip 17 is moved to operative position to allow direct contact.

It will now be apparent that I have devised a complete unitary structure, well adapted for the purpose intended and operating sufficiently as an alarm device and more particularly one which may be readily transported from place to place and particularly adapted for travelers' use.

It is well known that in small hotels and like places it is frequently found by travelers that there are no locks on the door or any means to secure the windows, whereupon this device may readily come into use and serve not only as an alarm device for giving warning of the opening of the door or window, but also serve to turn on a light by which the intruder or trespasser may be seen.

It will be apparent that a number of circuit closers may be connected into the alarm circuit if desired and the device thereby become operative to give a warning from several points. As shown in Fig. 1, opening of

either the window or door will cause the alarm to be operated.

It will now be apparent that I have devised a complete unitary structure well adapted for the purpose intended and of simple construction which may be readily carried from one place to another and serve as an effective alarm device.

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

In a device of the character stated, a circuit closer consisting of a plurality of members permanently and movably connected together and insulated from each other, a circuit including said members, a contact on one of said members adapted for engagement with the other member to close said circuit, means to shift one member relative to the other whereby said circuit is closed, and means on each member for positively engaging one member with a fixed part and the other with a movable part, with the members spanning the joint therebetween, whereby relative movement between the fixed and movable parts will cause the disconnection of one of said members which will close said circuit.

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Witnesses:

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