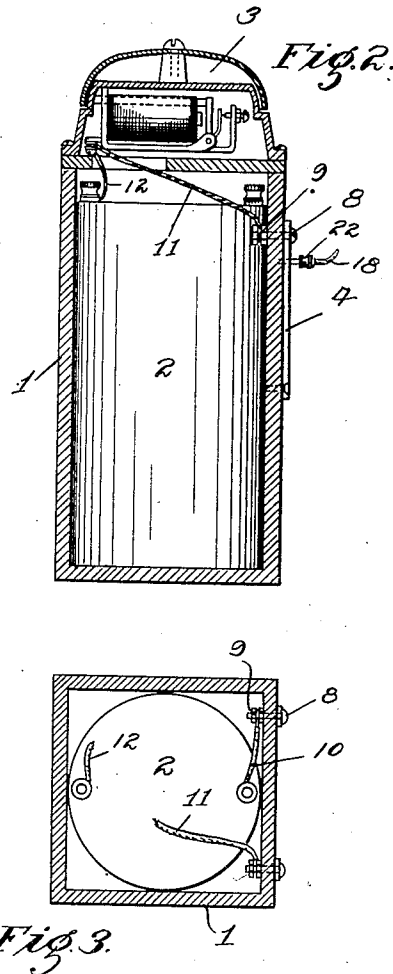
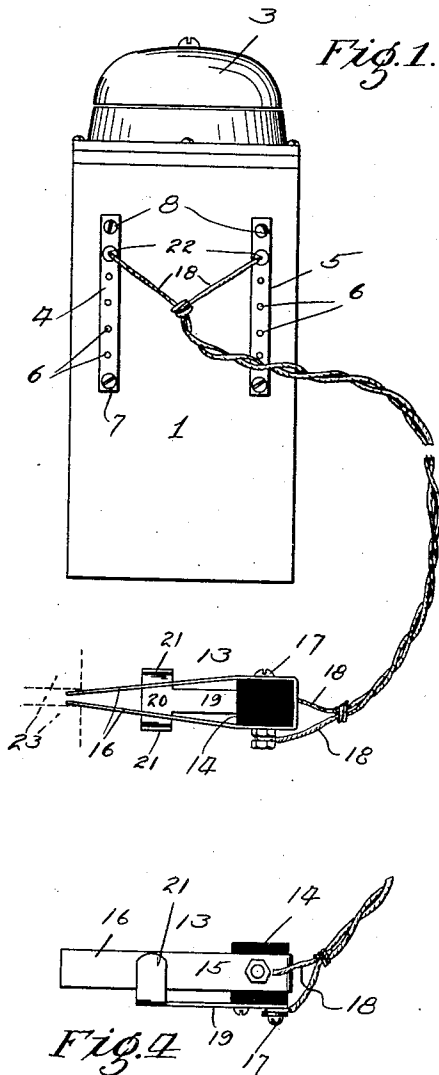


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BURGLAR ALARM.
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1,129,786.

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BURGLAR-ALARM.

1,129,786.

Specification of Letters Patent.

Patented Feb. 23, 1915.

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To all whom it may concern:

Be it known that I, WILLIAM T. BRADSHAW, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Burglar-Alarms, of which the following is a specification.

This invention relates to an improved alarm device of the portable type, and more particularly to a device which is self-contained and which may be easily applied to doors, windows and like places, without tools or previous preparations.

The principal object of my invention is to provide an improved device of the character mentioned which will be light in weight, positive in operation, and easy to place in position. Such a device is adapted to be carried by travelers and quickly set up in the room occupied, or to be used in the home when valuables are held in a room not equipped with burglar alarms.

Many other uses and advantages will be readily apparent from a perusal of the attached specification wherein it will be seen that my invention consists in the novel arrangements and combinations of parts as fully explained and illustrated in the attached drawings, and as more specifically pointed out in the appended claims.

Referring to the drawings:—Figure 1 is a view in elevation of my improved device showing a single contact device attached thereto. Fig. 2 is a view in section through the bell and battery case. Fig. 3 is a view in plan of the battery case with the top portion thereof removed. Fig. 4 is a view in side elevation of the contact device.

Referring to the same parts in the several views by the corresponding numerals of reference, 1 denotes a case having mounted therein a source of electrical current 2, and on the outside thereof a bell or buzzer 3. This case, battery and bell may be any desired shape, size and type, but it is desirable to keep the same as compact as possible. Mounted on the outside of this case are contact plates 4 and 5 each having a series of holes 6 adapted to receive contact plugs. These plates are held to the case by screws 7 and bolts 8, which latter extend through the case and are provided with nuts 9 between which are held the conductor wires 10 and 11 passing to the battery and bell re-

spectively. The other terminal of the battery is connected by a conductor wire 12 to the other terminal of the bell.

The contact device is denoted in general by 13 and consists of a block of insulating material 14 around which passes the U-shaped conducting member 15 having the laterally extending spring ends 16. This piece 15 is held to the block 14 by a bolt 17, under the nut of which is clamped a flexible conducting wire 18. On the underside of 14 is attached a laterally extending conducting strip 19 having a T-shaped head 20 each side of which is provided with the upturned ends 21. Thus the spring arms 16 are adapted to contact with these ends 21 to complete the electrical circuit and to member 19 is attached a second flexible conducting wire 18. These wires are of course insulated and are conveniently made in a twisted pair and provided with plug terminals 22, which are adapted to fit the holes 6 of plates 4 and 5.

In use the ends of spring arms 16 are pressed together and inserted between a door and the jamb as at 23 between a window and the sill, under a box lid, or any other convenient place. This prevents these arms from contacting with the upturned ends 21 thus opening the circuit at this point. The flexible conductors are then carried to the case 1 and connected by inserting the plug ends 22 into the holes 6. By having a plurality of such conductors each door, window and other means may be supplied with a contact member 13 and all the cords therefrom connected into the different pair of holes in plates 4 and 5. Now in case the door is opened the window raised or the box lid lifted, it will be evident that the spring arms 16 will contact with the upturned ends 21 and thus close the circuit at this point, causing the device 3 to sound an alarm. Such a device is seldom used hence a small powerful battery may be used enabling the weight and size to be kept at a minimum.

The device may be conveniently tested by inserting the plugs in the contact plates and then allowing the arms of each contact device to momentarily complete the circuit before placing in position thus assuring the proper working of the device.

Having thus described my invention it will be seen I have provided an efficient and simple device for the purpose set forth and while I have described the preferred embodi-

ment thereof it will be understood that changes may be made in minor details without departing from the spirit thereof.

What I claim and desire to secure by Letters Patent is:—

1. In a circuit closer for burglar alarms comprising an insulating base, three conducting strips extending from said base, one of said extensions having angular bent ends adapted to embrace the other two members, said two members being of resilient material and adapted to be bent toward each other and have their ends inserted between two relatively movable members, and electrical connections one from said member having angular bent ends to an alarm device, and one from said resilient members to a source of electrical current.

2. In a circuit closer of the character described comprising in combination a rectangular base of insulating material, resilient conducting strips extending parallel

from opposite faces of said base, the ends of said strips being adapted to be inserted between two relatively movable members, a third conducting strip extending from said base in a plane at right angles to said resilient strips, a T-shaped end on said third conductor, angular bent ends on each branch of said T-shaped end adapted to contact with said resilient conducting strips when the latter are released from the relatively movable members, and a plurality of binding posts, one connecting said resilient strip with a source of electrical current and one connecting said T-shaped strip with an alarm device.

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

WILLIAM T. BRADSHAW.

Witnesses:

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F. P. SCHROEDER.