No. 843,904. PATENTED FEB. 12, 1907.

C. MAHLA.

ALARM.

APPLICATION FILED AUG. 21, 1906.

Fig. 1.

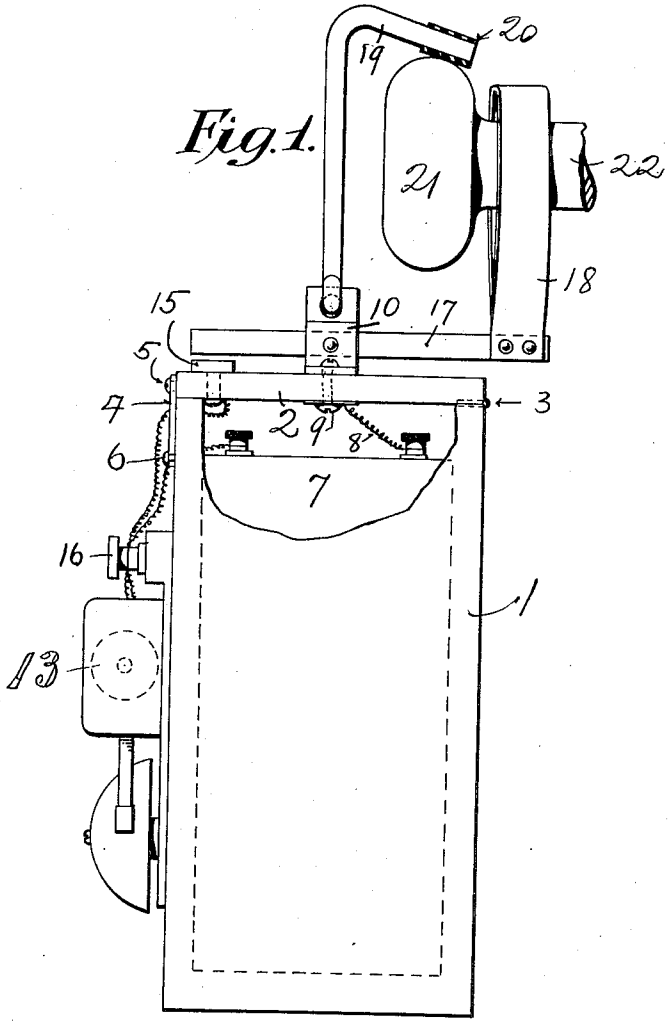
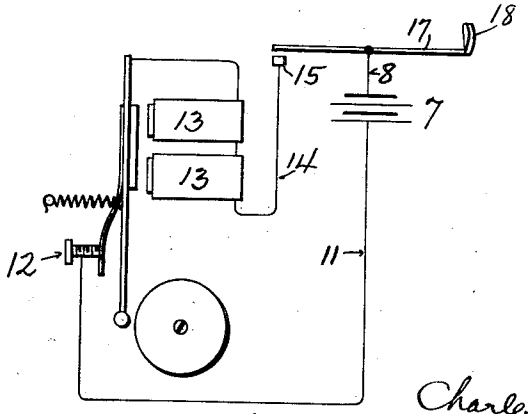


Fig. 2.



Attest:

W. Mc Ginn

F. Alexander

Inventor:

Charles Mahla,

by Rld. Barkley, his Atty.

UNITED STATES PATENT OFFICE.

CHARLES MAHLA, OF WEST HOBOKEN, NEW JERSEY.

ALARM.

No. 843,904. Specification of Letters Patent. Patented Feb. 12, 1907.

Application filed August 21, 1906. Serial No. 331,532.

To all whom it may concern:

Be it known that I, CHARLES MAHLA, a citizen of the United States, and a resident of West Hoboken, in the county of Hudson and State of New Jersey, have invented a certain new and useful Improvement in Alarms, of which the following is a specification.

The present invention relates to burglar and other alarms operated on or by the opening of a door or other means for closing an opening; and the invention consists of an alarm, means for suspending the same from a rotary part, such as a door-knob, whereby on the turning of said rotary part the alarm will slip off and drop, and means for arresting or suspending the alarm, after it has so slipped or fallen, from some fixed part and operating it.

The invention also includes further features, arrangements, and combinations of devices, hereinafter described, and more particularly pointed out in the concluding claims.

The invention is embodied in the apparatus illustrated in the accompanying drawings, forming part hereof, in which—

Figure 1 is a side elevation partly broken away to show inside parts, and Fig. 2 is a diagram illustrative of circuit connections.

In the drawings the reference character 1 marks a carrier or casing, such as a wooden box, which has a top 2 hinged thereto at 3. The top is held in its closed position by any suitable means, such as the hook 4 and the stud 5 shown, the hook being pivotally connected with the carrier at 6. Within the carrier or casing 1 is a battery 7, preferably consisting of one or more dry cells, one pole of the battery being connected by a wire 8 with the metal screw 9 and the metal standard 10 on the top 2. The other pole of the battery 7 is connected by a wire 11 with the contact-point 12, which is connected by a wire with the magnets 13 of an electric bell, said magnets being in the circuit, as usual, and being connected by a wire 14 with a contact-point 15 on the top 2. The reference 16 marks one of two binding-posts on the bell; but as the details of the bell form no part of this invention extended description of the bell is not necessary, as any suitable or known construction may be used. A metal lever 17 is pivotally connected with the standard 10, above named, and one end of the lever 17 extends over the said contact-point 12, while the other end of the lever 17 has a leather or other looped strap 18, connected thereto by screws, rivets, or other means. The said loop acts as a weight to depress that end of the lever 17 when the parts are free, thereby breaking contact between the lever and the point 12. A hook 19 is also pivotally connected with the standard 10, and its free end may be covered with a short section of rubber tubing 20 in order to cause better adhesion between the hook and the upper side of a door-knob 21 or other rotary part, whereby the alarm may be suspended from such a knob or part.

In the use of the invention the looped strap 18 is slipped over the knob 21, and the hook 19 is placed on the top of the knob 21, the door or other opening closer being shut, all as shown in the drawings. The strap 18 is long enough to stand above the shank 22 or, at least, to allow that end of the lever 17 to drop, as shown. On turning the knob, the hook 19 slips off and the apparatus falls until it is arrested by the strap 18 and the lever 17, at which time the lever 17 pulled down onto the contact 12, thus closing the circuit and causing the bell to ring and to keep on ringing until the circuit is broken by lifting the apparatus, when the lever 17, being weighted in the manner described, breaks contact with the button 12.

The invention may be embodied otherwise than as shown in the drawings and above described.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. An alarm consisting of a carrier, a battery and an electric bell on said carrier, means for suspending said carrier from the top of a rotary part, said suspension means slipping off the rotary part on the rotation thereof, a circuit-closer, and means for catching and suspending said carrier and closing the circuit of said bell after the release of said first-named suspension means.

2. An alarm consisting of a carrier, an electric bell on said carrier, means for suspending said carrier from a rotary part, said suspension means slipping off the rotary part on the rotation thereof, a circuit-closer, a lever fulcrumed on said carrier and arranged to make and break the circuit of said bell, and means whereby said lever suspends the carrier after the first-named suspension means are released.

3. An alarm consisting of a carrier, an electric bell on said carrier, a hook for suspending said carrier from a rotary part, said hook

slipping off said rotary part on the rotation thereof, a circuit-closer, and means for catching and suspending said carrier and closing the circuit of said bell after the release of said hook.

4. An alarm consisting of a carrier, an electric bell on said carrier, a hook for suspending said carrier from a rotary part, said hook slipping off the rotary part on the rotation thereof, and a lever fulcrumed on said carrier and arranged to make and break the circuit of said bell, and means whereby said lever suspends the carrier after the first-named suspension means are released.

Signed at West Hoboken, in the county of Hudson and State of New Jersey, this 17th day of August, A. D. 1906.

CHARLES MAHLA.

Witnesses:
JOHN E. STANTON,
FRED. FINCKEN.