In the novel disposition and arrangement of the various parts and elements of the clock-alarm as a whole, in certain combinations and in certain details of construction, all of which will be specifically referred to hereinafter and set forth in the appended claims. As an essential element of my improved clock-alarm I employ an incasing structure, which consists of the base 2, top member 2', opposite side walls 33', and front wall 4, thus leaving the incasing structure with an open back designed to be closed under normal conditions by the door 4', the said incasing structure being formed from wood or other suitable non-conducting material. Within the incasing structure there is located a clock 5, arranged with its face at a suitable opening formed in the front wall 4, to the end that the face of said clock may be visible from a point 70 in front of the incasing structure. The clock 5 is designed to be held permanently in position at the opening named, to which end the metallic supporting-arms 5' 5'' are employed. The clock 5 comprises the usual metallic casing and clock-movement, the latter comprising an alarm-stem 6, provided with an extended finger-lever 5', projecting radially therefrom, and the said finger-lever is of sufficient length to reach and engage, when duly moved, a point, as the contact 10', located away from said clock within the incasing structure aforesaid.

7 represents the electric generator, ordinarily in the form of a battery, the same being removable or yieldingly held in place for service within the incasing structure, as by means of the elastic or resilient arms 77', the free ends of which are adapted to take around and yieldingly engage, respectively, the poles 8 8' of the battery 7.

9 denotes an electric tripper of any approved construction, and 9' denotes a gong or bell for cooperation with said tripper, whereby the alarm is sounded, and which combined parts will be hereinafter referred to as the "electric alarm-bell."

10 represents the circuit-wires leading from one pole, as 8, of the battery 7 to the electric alarm-bell, from the latter to the finger-lever 56', as by way of the support 5' and metallic parts of the clock 5, and leading from the
pole 8' of the battery 7 to the controller 10" and thence to the contact 10"', the latter being located in the path or line of movement of the extended finger-lever 6'. The controller 10" is located at the outer side of the front wall 4 and is provided to the end that the user of my improved clock-alarm may, if he so desires, terminate a sounding alarm without interfering with the clock 5 or seeking to gain access to the interior of the incasing structure, and the foregoing the user accomplishes by suitably manipulating the controller 10", which breaks the circuit when moved to the position it occupies in Fig. 1 of the drawings and closes the circuit when moved to the position indicated by dotted lines in Fig. 1 of drawings.

The battery 7 may be of any suitable and approved construction.

In putting my improved incased electric clock-alarm into practical service the user adjusts the alarm mechanism of the clock 5 to operate at a predetermined hour or degree of time, whereupon the finger-lever 6' is moved away from and out of engagement with the contact 10" as to the position it occupies in Fig. 2 of the drawings and moves the controller 10" to close the circuit 10 theret. Upon the arrival of the hour at which the alarm mechanism of the clock 5 is set to operate the finger-lever 6' will return to engagement with the contact 10" through the action of the stem 6, and thus operatively close the circuit 10, whereupon through the action of the electric alarm-bell aforenamed the alarm will be sounded. This sounding alarm may be terminated at the will of the user by moving the controller 10" in the direction to break the electric circuit theret.

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

1. An incased electric clock-alarm comprising a non-conducting incasing structure consisting of a base, top member, opposing side walls and a front wall, the latter having a clock-opening; a door for closing the rear of said structure; a clock within said structure and having its face visible at the opening aforenamed in said front wall; a contact located within said structure away from said clock, the latter having an alarm-stem provided with a laterally-projecting finger-lever of sufficient length to insure the engagement thereof, at its free end, with said contact, when said lever is duly moved in one direction; and an electric alarm-bell, an electric controller and a battery, the said clock, contact, controller and bell being arranged in electric circuit with said battery, substantially as herein specified.

2. An incased electric clock-alarm comprising a non-conducting incasing structure having a clock-opening; a clock comprising a conductive casing, and an alarm-stem, within said structure at the opening therein; a contact located away from said clock, at said incasing structure, the said alarm-stem having a finger-lever projecting therefrom and of sufficient length to reach, and adapted to engage, when duly moved, the said contact; an electric bell; an electric controller; and a battery, the said clock, contact, controller and bell being arranged in electric circuit with said battery, substantially as herein specified.

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Witnesses:
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