

(No Model.)

M. WOLFF.
ELECTRIC TIME ALARM ATTACHMENT.

No. 550,857.

Patented Dec. 3, 1895.

Fig 1

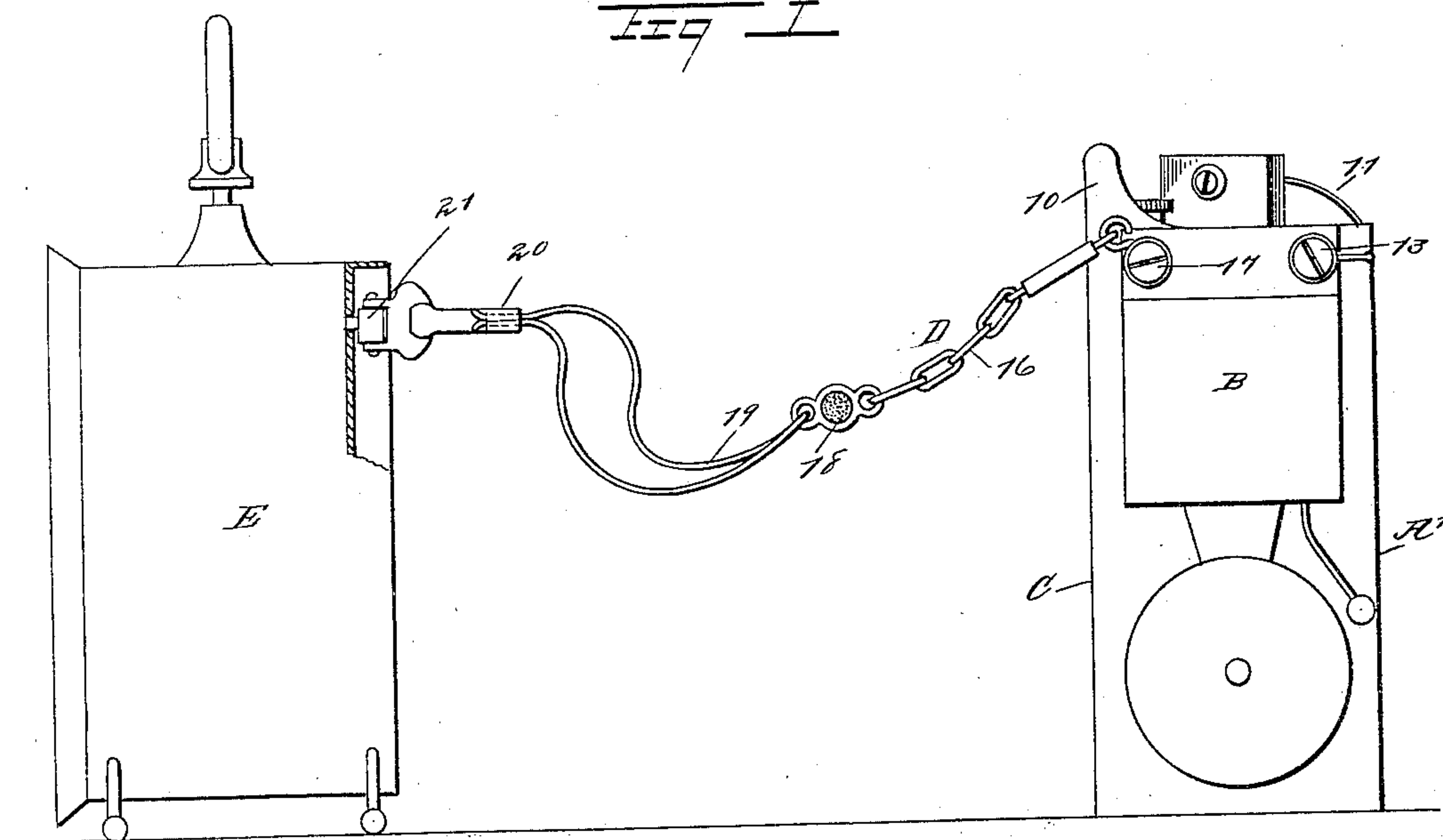
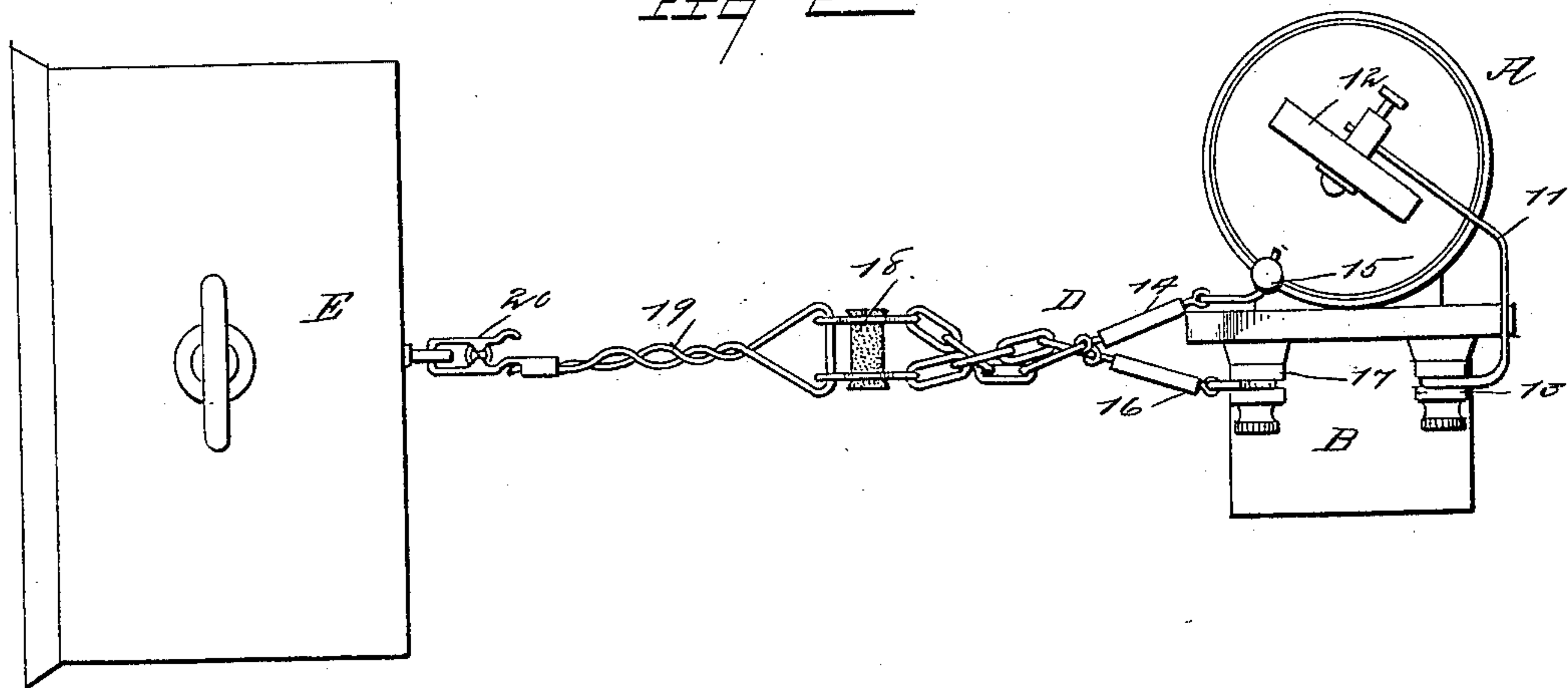


Fig 2



WITNESSES:

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ELECTRIC TIME-ALARM ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 550,857, dated December 3, 1895.

Application filed July 3, 1895. Serial No. 554,851. (No model.)

To all whom it may concern:

Be it known that I, MAX WOLFF, of New York city, in the county and State of New York, have invented a new and Improved Alarm Attachment for Clocks, of which the following is a full, clear, and exact description.

My invention relates to an alarm attachment for clocks, or which may be applied to any post having rotary movement; and the object of the invention is to provide an alarm device electrically operated which will remain silent when the post to which it is attached is at rest, but which will continue to sound an alarm during the period of rotation of the post; and a further object of the invention is to construct such an attachment in an exceedingly simple and economic manner.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a side elevation of the alarm device and likewise a side elevation, partially in section, of a clock to which the device is secured; and Fig. 2 is a plan view of the attachment and the clock.

In carrying out the invention the generator A is preferably a dry battery, and the bell B employed is the ordinary electrically-operated bell. This bell is preferably mounted upon a back board C, to which the generator A is clamped or secured in any approved manner, and at the forward upper edge of said back board a horn 10 is constructed for a purpose to be hereinafter set forth.

The bell and generator are connected by a normally open circuit D, and the connection is preferably made by connecting a wire 11 with the carbon post 12 of the generator and a near-by binding-post 13 on the bell, while a flexible conductor 14 is connected with the zinc post 15 of the generator, and a second flexible conductor 16 is connected with a second binding-post 17 of the bell. These two conductors 14 and 16 may be and preferably

are made of chain, and the free ends of the conductors 14 and 16 are connected by a block 18 of an insulating material. A flexible loop 19, likewise of an insulating material, is passed through the free ends of the conductors 14 and 16 or is otherwise attached thereto, and the loop 19 at its free end is provided with a clip or clamp 20, adapted for attachment to the alarm-post 21 of a clock or to any post in any article adapted to revolve.

While the alarm-post 21 is stationary the circuit D is open, but as soon as the said post commences to turn the loop 19 will be twisted and will thereby cross the conductors 14 and 16, one over the other, bringing them in contact and closing the circuit, causing an alarm while such contact exists.

The alarm attachment may be stood upright, as shown in Fig. 1, or it may be placed horizontally. In the latter position the extension 10 of the back board serves to steady the device and protect the posts adjacent thereto. The flexible conductors 14 and 16 are located one at each side of this extension, and therefore the extension 10 does not interfere with the terminals being brought into contact.

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

1. The combination with the alarm post of a clock or like mechanism, of an electric circuit including a generator and an alarm and having flexible terminals connected with the said post and normally out of contact with each other, the said terminals being adapted when the said alarm post turns to be twisted whereby the said terminals will be crossed one over the other and thus be brought in contact with each other and close the circuit, substantially as described.

2. The combination with an alarm post of a clock or like mechanism, of an electric circuit including a generator, and an alarm, a back board separating the two and provided with an extension at one end adjacent to the terminals of the circuit and located between the same, the terminals of the said circuit being flexible and connected at their free ends by a block of insulating material, a flexible loop of in-

insulating material connected with the said insulating block, and a clip carried by the said loop and adapted for engagement with the said alarm post, whereby when the alarm post
5 turns the said flexible loop will be twisted and the terminals of the circuit will be crossed one over the other and brought in contact

with each other closing the circuit, as and for the purpose set forth.

MAX WOLFF.

Witnesses:

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