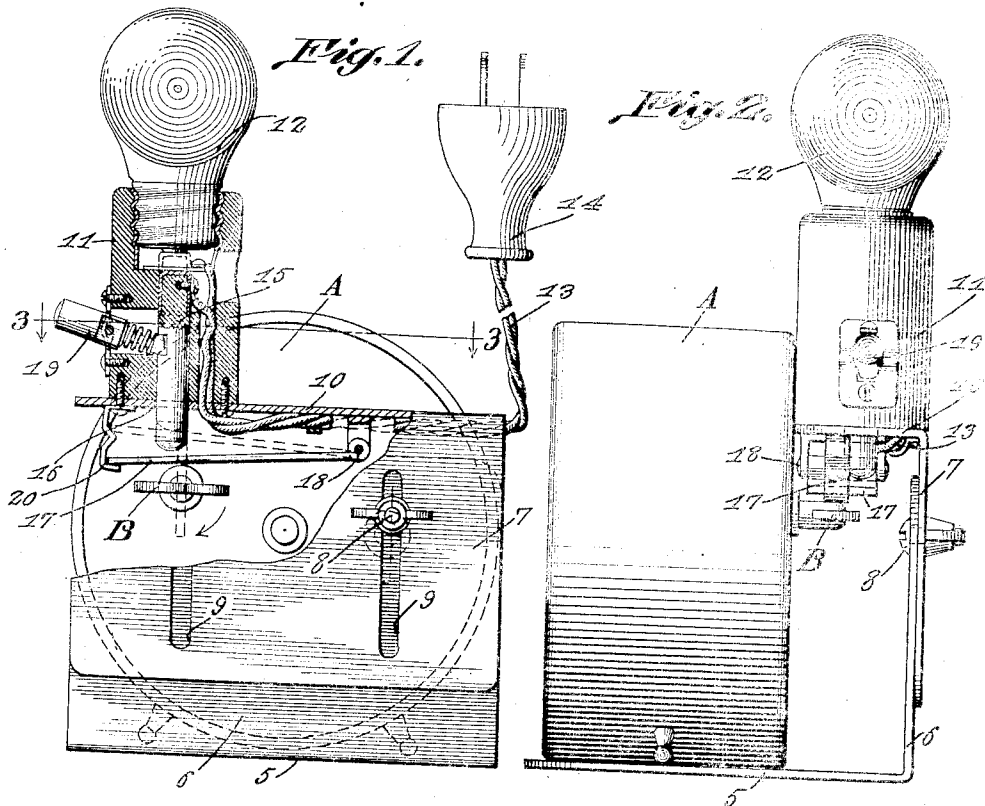
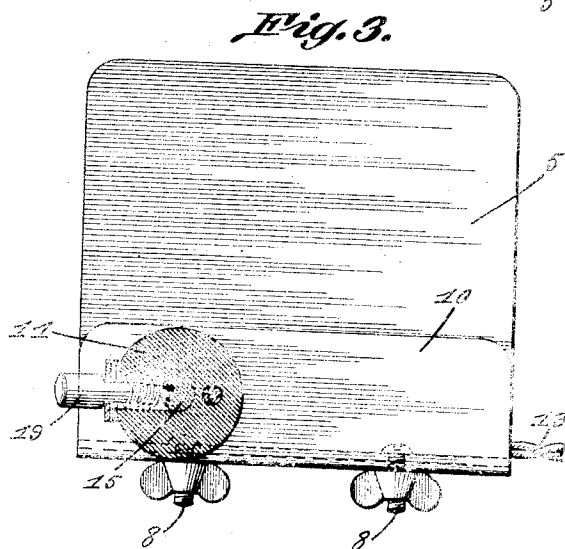


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ALARM ILLUMINATOR CLOCK
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ALARM ILLUMINATOR CLOCK

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2 Claims. (Cl. 200—35)

The invention relates to a clock-operated electric switch and more especially to an alarm illuminator clock.

The primary object of the invention is the provision of a device of this character, wherein the alarm winding key of a clock mechanism operates a switch for controlling current to an electric filament lamp so that the latter will be lighted when the alarm of the clock is sounded and in this way effecting an illuminating alarm.

Another object of the invention is the provision of a device of this character, wherein the standard type of alarm clock can be utilized for illumination of a visible alarm in that an electric lamp will be lighted when the alarm sounds.

A further object of the invention is the provision of a device of this character, wherein a novel form of switch is a part thereof and the same automatically controlled as well as manually operated.

A still further object of the invention is the provision of a device of this character, wherein the clock of the alarm type is in combination with a filament lamp which is illuminated at the instant that the alarm mechanism of the clock is actuated.

A still further object of the invention is the provision of a device of this character, which is simple in construction, readily portable, thoroughly reliable and efficient in operation, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompany drawing, which discloses the preferred embodiment of the invention and pointed out in the claims hereunto appended.

In the accompanying drawing:

Figure 1 is a side elevation partly in section of the device constructed in accordance with the invention.

Figure 2 is an end view thereof.

Figure 3 is a sectional view on the line 3—3 of Figure 1 looking in the direction of the arrows. Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally an alarm clock and B the winding key for the alarm mechanism of said clock which turns on the actuation of the alarm mechanism. The clock A is superimposed upon a base extension 5 of a bracket, the vertical portion 6 being fitted with an adjustable ledge piece

7, the adjustment thereof in a vertical direction being had through the use of winged nut-carrying bolts 8 engageable in slots 9 provided in the ledge piece 7, the bolts being fixedly held in the vertical portion 6 of the bracket.

Carried at the ledge 10 of the ledge piece 7, which is horizontally disposed, is an electric light socket fixture 11 which is adapted to receive a filament lamp 12. The leads 13 leading to this socket fixture 11 are adapted to be connected to the plug socket of a source of electrical energy, the separable connector for such plug socket being indicated at 14.

Within the fixture 11 is an electric switch 15 which opens and closes the circuit to the bulb or lamp 12 and one part of the switch is in the form of a plunger which operates through a clearance 16 provided in the ledge portion 10 in the path of a trip arm 17 pivoted at 18 to the under side of said ledge portion 10 and this trip arm overhangs the key 8 to be in the path of movement thereof so that when such key turns, the arm will be actuated for the automatic closing of the switch 15 the instant that the alarm mechanism is sounded and thus lighting the lamp to give a visible signal of such fact.

The fixture 11 has built therein an actuator knob 19 for operating the switch 15 so that it can be manually moved to opened or closed position for the shutting off or turning on of the current to the lamp. Normally the switch is in off position for shutting off current to the lamp.

At the under side of the ledge portion 10 is a keeper 20 engageable by the arm 17 so that it will be held in two positions, either in a lowered position or a raised position as shown by full and dotted lines in Figure 1 of the drawing. This keeper 20 is inherently resilient so that the arm can move to the two positions before referred to.

What is claimed is:

1. A switch for an alarm clock having a turning key comprising a bracket constituting a rest for said clock and having a ledge overhanging the said key, an electric lamp socket piece carried by said ledge and having a movable plunger-like circuit-closing switch, a movable arm fitted with said ledge and disposed between the plunger-like switch and said key for coaction therebetween, means for adjustment of the ledge with respect to the key and plunger-like switch, and an inherently resilient keeper for said arm and having two keeper points for holding the arm in several adjusted positions.

2. A switch for an alarm clock having a turn-

ing key comprising a bracket constituting a rest for said clock and having a ledge overhanging the said key, an electric lamp socket piece carried by said ledge and having a movable plunger-like circuit-closing switch, a movable arm fitted with said ledge and disposed between the plunger-like switch and said key for coaction therebetween, means for adjustment of the ledge with

respect to the key and plunger-like switch, an inherently resilient keeper for said arm and having two keeper points for holding the arm in several adjusted positions, and a hand actuator fitting the said socket piece for manually operating the plunger-like switch to move the same to open or closed positions.

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