Jan. 9, 1923.

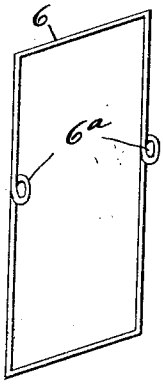
1,441,902.

E. M. BAILEY.

INTERMITTENT ELECTRIC LIGHT FLASHER.

FILED JULY 10, 1920.

FIG. 4.



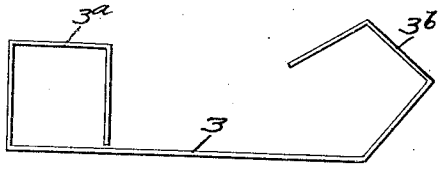


FIG. 3.

Fig. 1

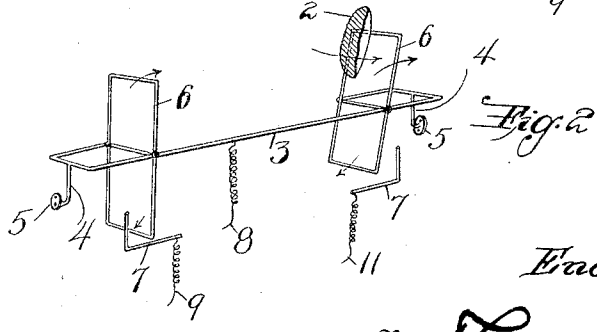


Fig. 2

Inventor

Enoch M. Bailey

By Franklin H. Hough

Attorney

Patented Jan. 9, 1923. 1,441,902

UNITED STATES PATENT OFFICE.

ENOCH M. BAILEY, OF ALBION, ILLINOIS.

INTERMITTENT ELECTRIC-LIGHT FLASHER.

Application filed July 10, 1920. Serial No. 395,265.

To all whom it may concern:

Be it known that I, ENOCH M. BAILEY, a citizen of the United States, residing at Albion, in the county of Edwards and State of Illinois, have invented certain new and useful Improvements in Intermittent Electric-Light Flashers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains, to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a novel construction of electric flash light mechanism adapted to be operated by the pendulum of an ordinary clock; and the device is useful for instance for advertising purposes, or for any other purpose desired.

The accompanying drawing clearly illustrates an exemplary construction capable of carrying out the underlying principles.

Briefly described:

Figure 1 is a fragmentary view, partly in section, of the casing of a clock equipped with my improvements, and

Figure 2 is a fragmentary detached detail view of the mechanism constituting my invention.

Figure 3 is a fragmentary top plan view of wire 3 with one end sprung out to receive wire 6;

Figure 4 is a perspective of wire 6.

Referring now in detail to the drawing:

1 designates the casing of a clock of ordinary construction and 2 designates the pendulum of the clock adapted to swing, or oscillate, in the ordinary manner.

Disposed within and extending transversely of the casing 1 is a wire 3 bent at its ends into a rectangle 3^a at one end and 3^b at the other end, having at each end a depending portion 4 carrying a disk 5 adapted to be secured to the casing 1.

Pivoted to said wire 3 toward the ends thereof, and disposed in the path of movement of the pendulum 2, are circuit closing wires 6, 6. Preferably, each wire 6 is bent so as to be rectangular in outline. The wires 6 carry unitary loops 6^a and in assembling the rectangle 3^a or 3^b is sprung out as shown in Fig. 3 and the end threaded through the loops 6^a.

Disposed in the path of movement of the circuit closing wires 6, 6 are stationary contacts 7, 7, secured in any suitable manner to the casing 1.

Connected with the wire 3 is an electrical conductor 8 which may pass through the bottom, or back, of the casing 1, and leads to one pole of the battery, as shown. Leading from the other pole of the battery is an electrical conductor 9 which leads to one of the stationary contacts 7. In circuit with the conductor 9 is a lamp 10. Leading from the other stationary contact 7 is a conductor 11 in circuit with a lamp 12 and leading to the wire 9.

In operation, as the pendulum 2 swings, the switch closing wires 6, 6 will be actuated alternately to break the circuits to the lamps 10 and 12, the lamps thus being alternately illuminated. The wire 6 is heavier at one end whereby gravity returns the wires to circuit closing position.

What I claim to be new is:

1. In a flashing device for electric lamps, two lamp circuits and means for alternately opening said circuits including normally closed switches one in each circuit and a clock pendulum swinging between the switches to open each of such switches alternately.

2. In a flashing device for electric lamps, two lamp circuits and means for alternately opening said circuits including normally closed switches one in each circuit and a clock pendulum swinging between the switches to open each of such switches alternately, said switches including a pair of pivoted contact members in the path of the pendulum and contacts co-operating therewith and a carrying member for the pivoted contact members adapted to be slidably inserted within the clock casing.

In testimony whereof I hereunto affix my signature.

ENOCH M. BAILEY.