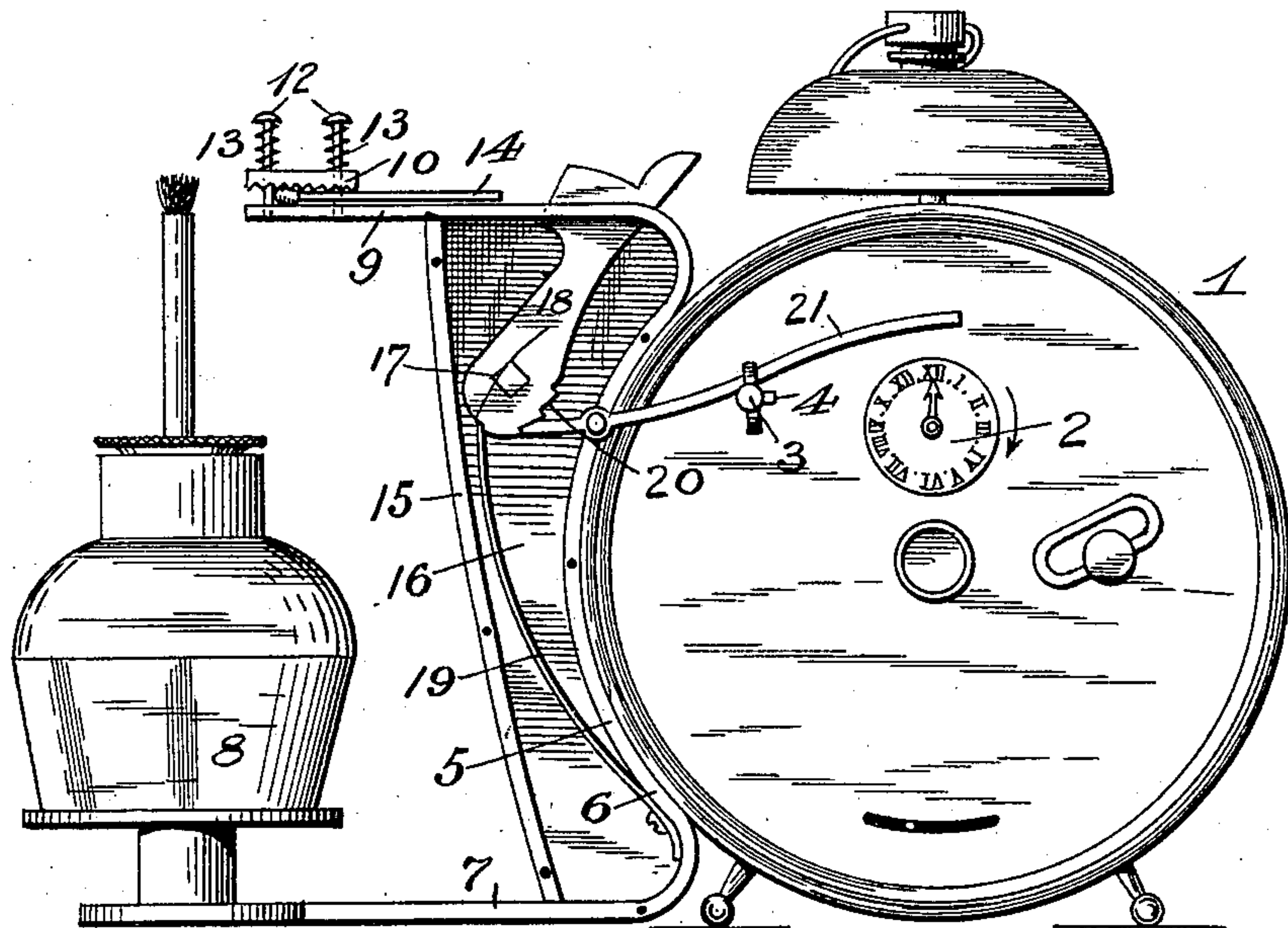


(No Model.)

D. ROGERS, Sr. & D. ROGERS, Jr.
TIME LAMPLIGHTER.

No. 592,173.

Patented Oct. 19, 1897.



Witnesses:
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UNITED STATES PATENT OFFICE.

DILLEN ROGERS, SR., AND DILLEN ROGERS, JR., OF MADISONVILLE,
TENNESSEE.

TIME LAMPLIGHTER.

SPECIFICATION forming part of Letters Patent No. 592,173, dated October 19, 1897.

Application filed May 8, 1897. Serial No. 635,695. (No model.)

To all whom it may concern:

Be it known that we, DILLEN ROGERS, Sr., and DILLEN ROGERS, Jr., residents of Madisonville, in the county of Monroe and State of Tennessee, have invented certain new and useful Improvements in Attachments for Alarm-Clocks; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification.

Our invention relates to attachments for alarm-clocks; and its object is to provide improved means whereby when an alarm is sounded the alarm mechanism will automatically light a lamp.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawing the figure represents an elevation looking from the rear of an ordinary alarm-clock provided with our improved attachment.

In the said drawing the reference-numeral 1 designates a cylindrical alarm-clock of an ordinary or suitable construction, 2 the dial and pointer for setting the alarm, and 3 the winding-key for winding up the alarm, provided with a rib or lug 4, for a purpose hereinafter described.

The numeral 5 designates a frame, comprising the curved portion 6, adapted to be secured to one side of the clock-case; 7, a flat base forming a support for a lamp 8. Above this base and parallel therewith is a shelf 9, provided at its outer or free end with a vertically-movable plate 10, serrated or corrugated on its under side. Secured to the shelf 9 are two headed pins 12, which pass loosely through the plate 10, and are provided with coiled springs 13, which press down upon the plate. Between this plate and the shelf is placed a match 14, which when forced outward, as hereinafter described, will be ignited by the frictional contact between the head thereof and the serrated plate, and in turn

will light the lamp, the wick of which is located just in front of the said shelf and plate.

The numeral 15 designates a bar secured to the frame 5, to which and to the curved portion 6 are secured the sides 16, one of which, however, is shown in the drawing. Secured to said sides is a stud-shaft 17, to which is journaled a hammer 18, somewhat similar to the hammer of a gun or pistol, and the free end of which is adapted to strike the inner edge of the match and force it outward. This hammer is formed with a notch 18, to receive the end of a spring 19, secured to the frame, and is also provided with a notch 20, to receive the inner end of a trigger 21, the other end of which projects back of the clock-case and engages by gravity with the rib or lug on the winding-key.

The operation is as follows: The alarm mechanism is set and wound up to sound an alarm at any predetermined time. A match is placed on the shelf, with the head between the latter and the serrated friction-plate 10. The lamp is now set on the base, so that its wick will be just in front of the shelf. When the time for which the alarm is set arrives, the alarm will be sounded as usual and the winding-key rotated. The rib or lug on the winding-key will trip the trigger 21, releasing the cock or hammer, which will be thrown forward, striking the match, forcing its head out between the friction-plate and shelf, igniting it, and lighting the lamp.

It is obvious that the base 7 of the attachment may be dispensed with, if desired, and the lamp be otherwise supported.

The invention will be found very advantageous when persons are compelled to get up in the dark, as it avoids the necessity of such person hunting for a match and striking a light.

Having thus described our invention, what we claim is—

1. In an attachment for alarm-clocks, the combination with the frame, the shelf, the pivoted hammer, the spring secured to the frame and bearing against the lower end thereof, and the pivoted trigger of the pins secured to

said shelf, the movable serrated plate through which said pins pass, and the coiled springs, substantially as described.

2. The combination with an alarm-clock,
5 provided with an alarm winding-key, and the
rib or lug secured to said key, of the frame
secured to the clock-case, the shelf, the piv-
oted hammer having a number of notches,
the pivoted trigger engaging therewith, the
10 flat spring secured to the frame and bearing
against the lower end of the hammer, the rods

at the end of said shelf, the serrated movable friction-plate and the coiled springs, substan-
tially as described.

In testimony that we claim the foregoing as 15
our own we have hereunto affixed our signa-
tures in presence of two witnesses.

DILLEN ROGERS, SR.
DILLEN ROGERS, JR.

Witnesses:

OSCAR HUNT,
J. M. BOYD.