

(No Model.)

A. M. LANE.
CLOCK.

No. 423,058.

Patented Mar. 11, 1890.

Fig. 1.

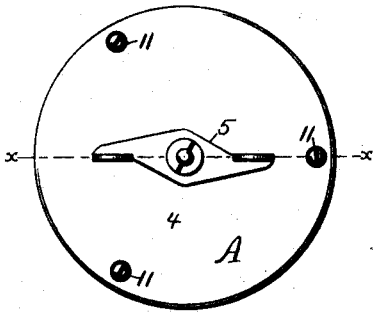


Fig. 2.

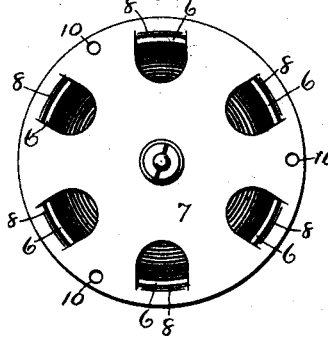
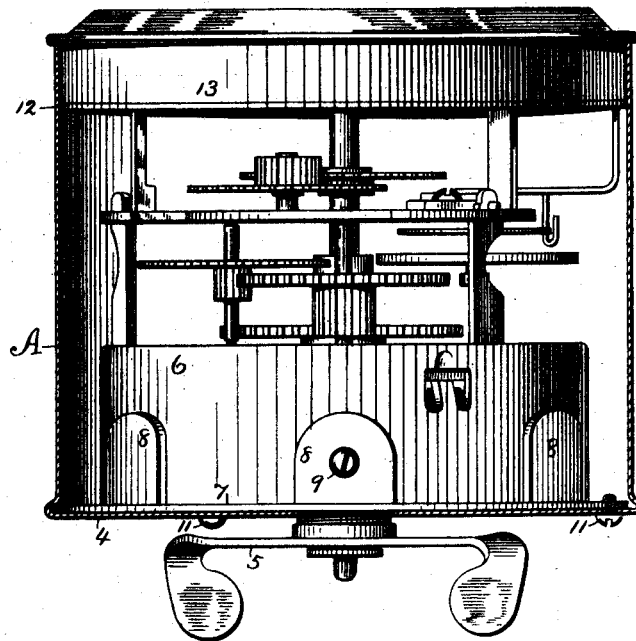


Fig. 3.



WITNESSES.
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CLOCK.

SPECIFICATION forming part of Letters Patent No. 423,058, dated March 11, 1890.

Application filed November 26, 1889. Serial No. 331,661. (No model.)

To all whom it may concern:

Be it known that I, ALMERON M. LANE, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Clocks, of which the following is a specification.

My invention relates to improvements in clocks of the class having a stationary spring-barrel; and the objects of my improvement are to more conveniently fasten the movement to the case and to so fasten it that a given size of movement may be attached to cases of different sizes.

In the accompanying drawings, Figure 1 is a rear elevation of my clock. Fig. 2 is a rear elevation of the spring-barrel cover and attached parts separate from the case; and Fig. 3 is an enlarged sectional view of the case on line *x x* of Fig. 1, the other parts being shown in plan view.

A designates a cylindrical case, which is drawn up from sheet metal with the solid end 4 for the back of the case, said solid end, however, being perforated for the extension of the winding-key 5, as in ordinary clocks of this class. I prefer to form said case of a single piece of metal; but the case may be formed of two pieces, provided the back is rigidly secured to the cylinder the same as if it were made in one piece therewith. The main portion of the clock-movement is substantially the same as that shown and described in Re-issued Letters Patent No. 10,920, April 10, 1888, to Arthur E. Hotchkiss, for a clock-movement, the spring of which I inclose in a stationary cylindrical spring-barrel 6. I cover the back of this spring-barrel with a disk-like cover 7, the same being provided with a series of lugs 8, cut out from perforations in the body of the cover 7 and projected forward in substantially a circular series, so as to slip over and fit the exterior of the spring-barrel, as shown most clearly in Fig. 3. I secure said cover to the barrel in addition to said lugs by means of one or more screws 9, passing through

said lugs and into the spring-barrel. The diameter of the spring-barrel cover 7 is larger than that of the spring-barrel, and may be equal to the internal diameter of the cylindrical case A. Near the edge of the cover I form, preferably, three holes 10, which are threaded to receive the fastening-screws 11, which screws pass through unthreaded holes in the back 4 of the case, so as to bind the spring-barrel cover firmly to said back, and thereby hold the movement securely within the case. The dial 12 is fastened to the front of the movement, and is preferably of a diameter that will fill the case. The ordinary sash 13 for covering the dial and closing the front end of the case is removable in an ordinary manner.

The spring-barrel cover is first secured to the spring-barrel, to which barrel the movement is also attached, and it is placed within the case by inserting it from the front when the sash 13 is removed. By this construction I attachably and detachably secure the spring-barrel to the back of the case by means of screws, and at the same time I am enabled to use a case of a larger diameter than the spring-barrel. The movements are large and strong enough to carry hands for a dial of a much larger circle than that represented by the spring-barrel and movement, so that when a larger clock is wanted I have only to make a larger case, the movement being adapted for use with cases of varying sizes, so that a large or small clock may be made with the same movement.

I claim as my invention—

A clock having a cylindrical case with solid back and a movement secured therein by means of the spring-barrel cover attachably and detachably connected to the solid back of said case, substantially as described, and for the purpose specified.

ALMERON M. LANE.

Witnesses:

JAMES SHEPARD,
JOHN EDWARDS, Jr.