

N. M. LOWE.
OSCILLATING REGISTERS.

No. 195,031.

Patented Sept. 11, 1877

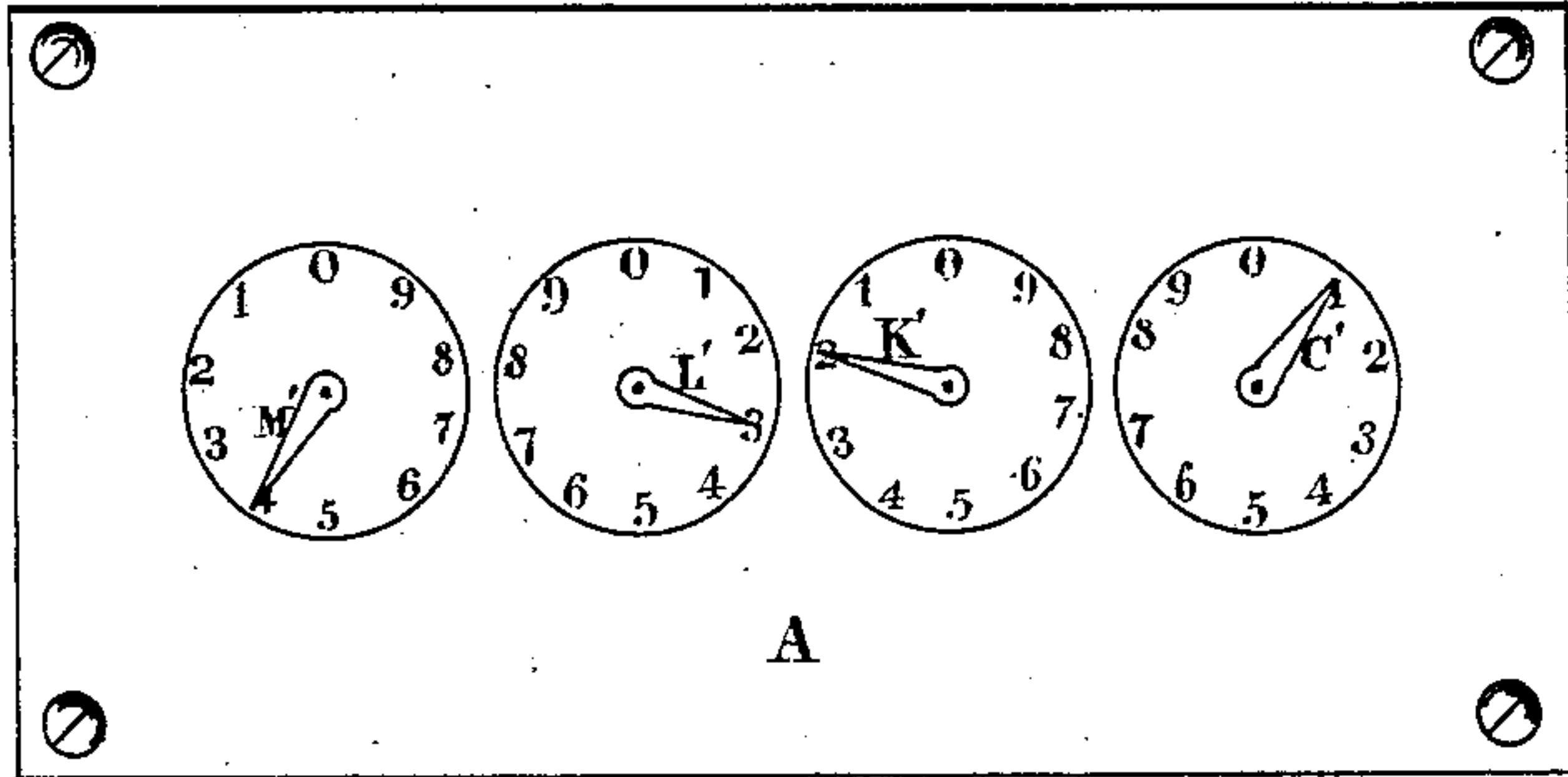


Fig. 1.

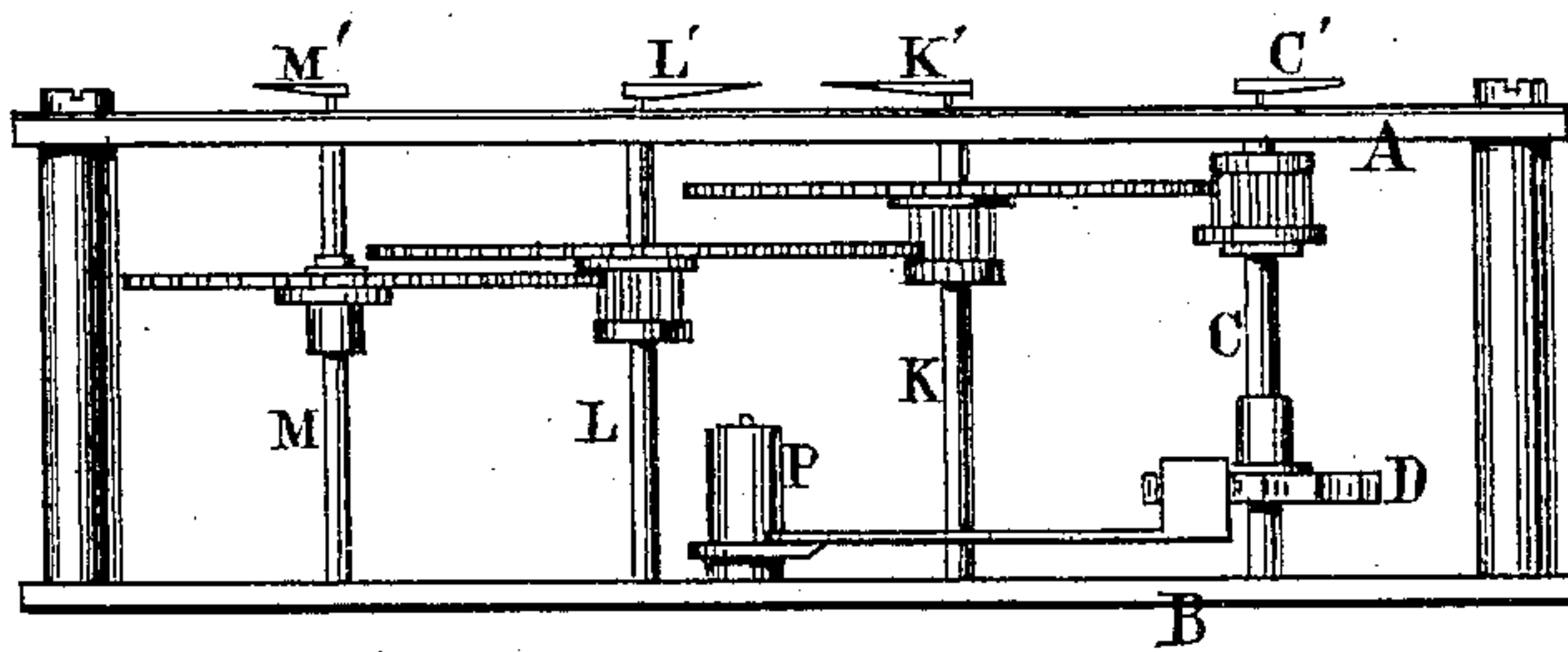


Fig. 2.

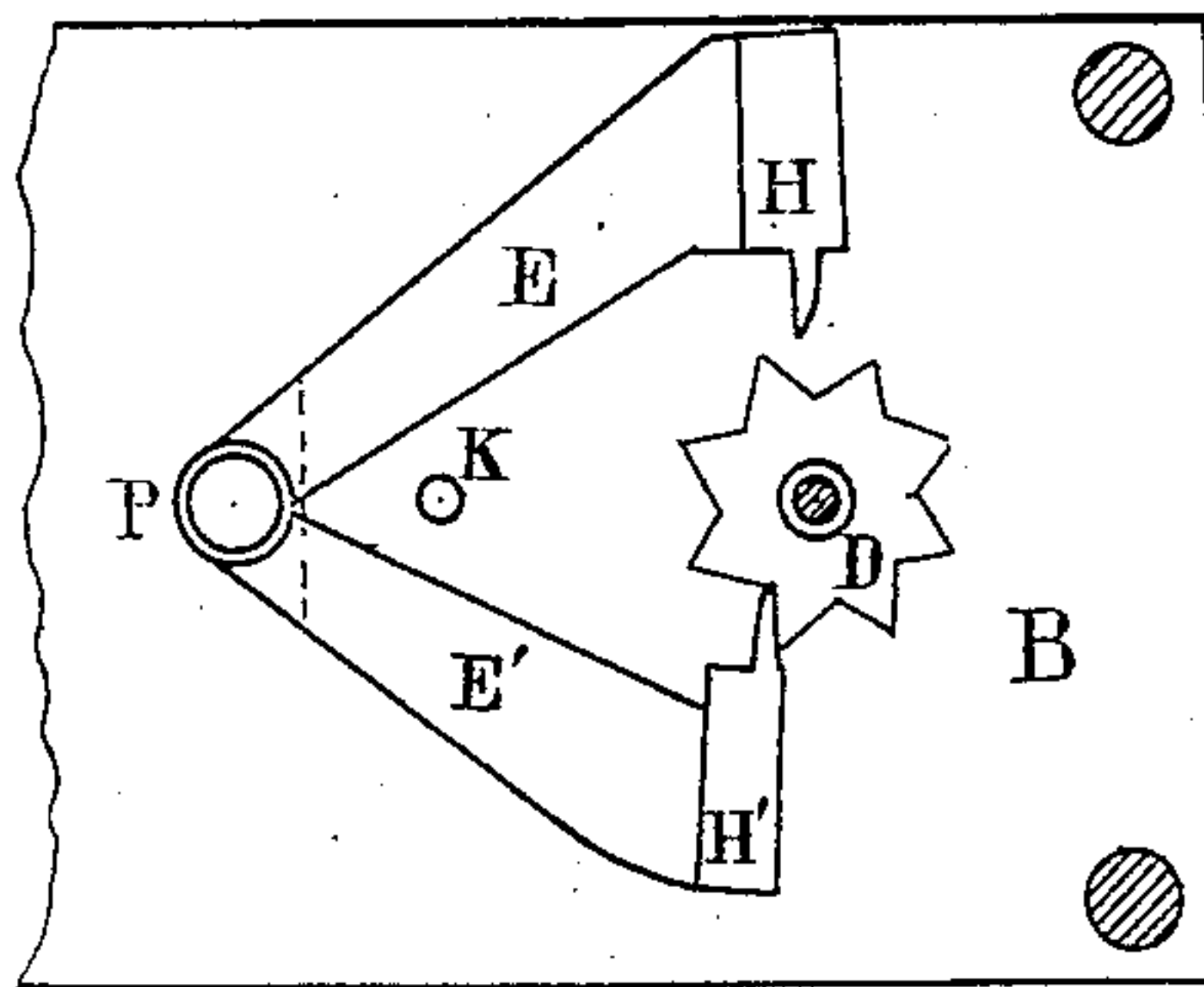


Fig. 3.

WITNESSES

Frank G. Parker.
A. Hugh Barry

INVENTOR

Nathaniel M. Lowe
per William Edison Atty.

UNITED STATES PATENT OFFICE.

NATHANIEL M. LOWE, OF BOSTON, ASSIGNOR TO JOHN H. WRIGHT, OF
NAHANT, MASSACHUSETTS.

IMPROVEMENT IN OSCILLATING REGISTERS.

Specification forming part of Letters Patent No. **195,031**, dated September 11, 1877; application filed
November 27, 1876.

To all whom it may concern:

Be it known that I, NATHANIEL M. LOWE, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Oscillation-Registry Device, of which the following is a specification:

The nature of my invention consists in suspending on arbors, directly or indirectly, a registering device, within which device I have an anchor-escapement, the arms of which are loaded, so that at each oscillation of the device the escapement will swing, and, acting on the escapement-wheel and train, will cause a count to be recorded.

The object of this invention is to afford a ready and convenient instrument to apply to any oscillating body for the purpose of recording the number of oscillations.

Referring to the drawings, Figure 1 is an elevation, showing a set of recording-dials. Fig. 2 is an elevation of my invention, showing the train of wheels and the escapement. Fig. 3 is a plan, showing the escapement and escapement-wheel.

Let A and B represent the two plates to which the operating parts are affixed.

C', K', L', and M', Figs. 1 and 2, are pointers, which, in connection with the numbered

dials, (see Fig. 1,) indicate in the usual manner of registering devices.

D, Figs. 2 and 3, is an escapement-wheel, connected to the train C K L M, as shown in Fig. 2.

E E' show an anchor-escapement having its arms loaded near the detents, as shown at H and H', Fig. 3. This escapement is pivoted at P, Figs. 2 and 3.

My invention is to be used as follows: The device is attached to any oscillating body in such a manner that the motion of the body will cause the anchor-escapement E E' to swing back and forth. This will cause the wheel D to revolve, and thus give motion to the registering-pointers.

Having now described the construction and operation of my invention, what I claim is as follows:

The automatic registering device consisting of the weighted anchor-escapement E, in combination with an escapement-wheel and recording-train, all to operate substantially as described, and for the purpose set forth.

NATHANIEL M. LOWE.

Witnesses:

NATHL. EVANS,
WILLIAM EDSON.