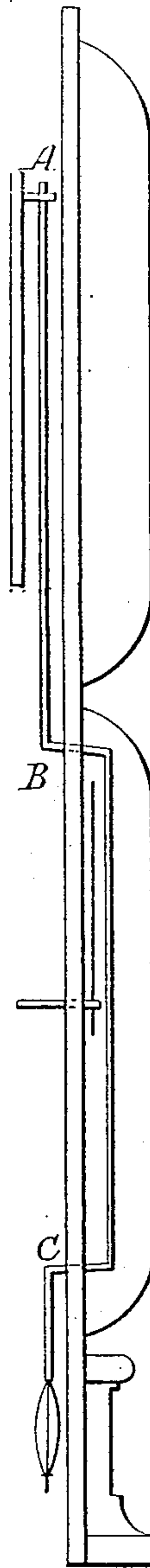
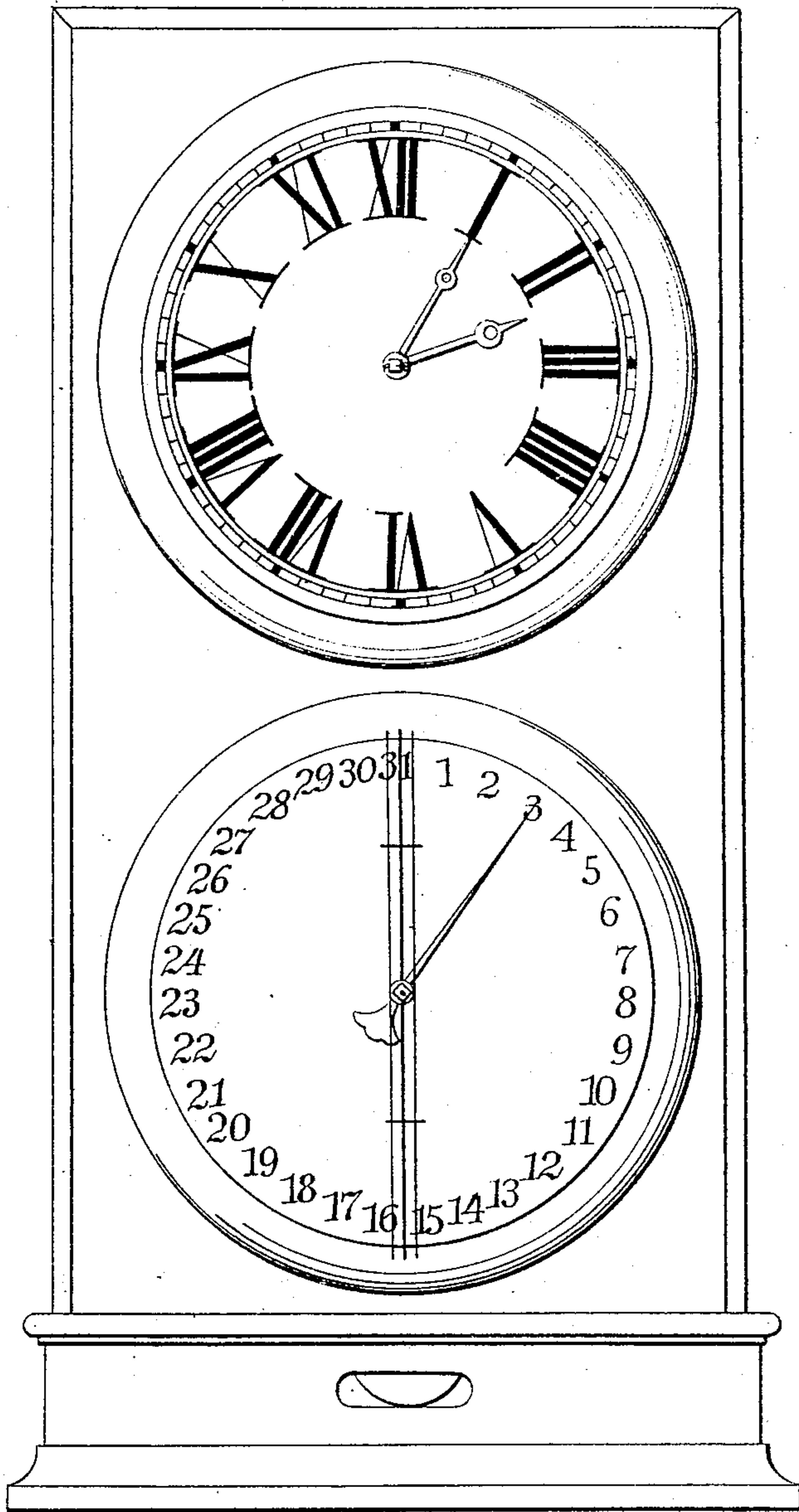


H. B. Horton.

Clock Calendar.

N^o 98,498. Fig. 1. Patented Jan. 4, 1870 Fig. 2.



Witnesses.

Henry H. Howe.
Hervey Platts.

Inventor

Henry B. Horton.

United States Patent Office.

HENRY B. HORTON, OF ITHACA, NEW YORK, ASSIGNOR TO HIMSELF AND HERVEY PLATTS, OF SAME PLACE.

Letters Patent No. 98,498, dated January 4, 1870.

IMPROVEMENT IN THE ARRANGEMENT OF THE PENDULUM IN CALENDAR-CLOCKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HENRY B. HORTON, of Ithaca, in the county of Tompkins, and State of New York, have invented a new Improvement in Calendar-Clocks; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in so constructing the pendulum in a calendar-clock, as to swing in front of the calendar-dial.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

No. 1, in the drawing, represents a two-dial calendar-clock, with the pendulum in front of the calendar-dial. I suspend the pendulum-rod from the stud A, on the front plate of the time-movement, as represented in drawing No. 2, in the usual manner, at point B, immediately above the calendar-dial. I bring it forward, by an offset, so far as to have it pass down in front of the calendar-dial, and, by a similar offset at point C, carry it back so that the pendulum-ball may hang on a perpendicular line with the point of suspension. This enables me to place the time and calendar-dials on a line in front, and have the pendulum swing in front of the calendar-dial.

Another mode is to set the calendar-dial back in the case, so that the pendulum-rod, being straight, may swing in front of the calendar-dial.

The advantages of swinging a pendulum in front of the calendar-dial in a calendar-clock, are—

First, it enables me to use a pendulum-rod of the greatest possible length that the clock-case will admit of in a calendar-clock.

Second, by having the pendulum-rod so adjusted, that when the clock is in its proper position, the centre of the pendulum-rod will hang exactly in front of the pointer-shaft in the calendar-dial, it enables the inexpert to set the clock running, and put it in beat without the use of the plumb or level.

Third, by swinging the pendulum in front of the calendar-dial, it makes a particularly attractive feature in the clocks of my manufacture.

Claim.

What I claim as my invention, and desire to secure by Letters Patent, is—

The swinging of the pendulum-rod in front of the calendar-dial in a calendar-clock.

HENRY B. HORTON.

Witnesses:

HENRY H. HOWE,
HERVEY PLATTS.