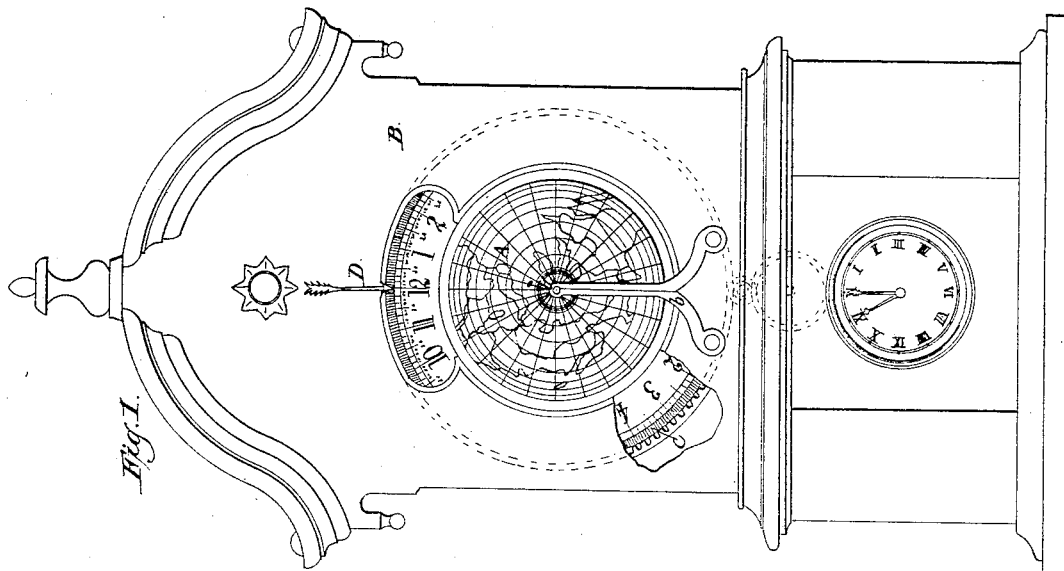
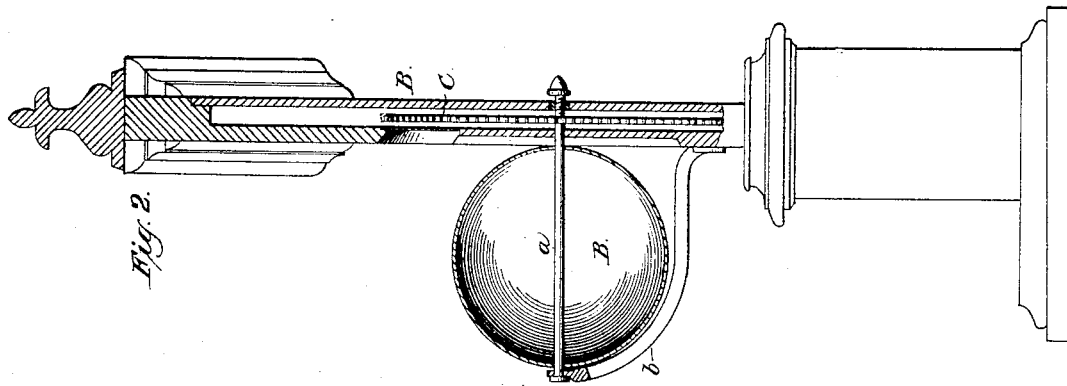


T. R. TIMBY,
Globe Time Piece.

No. 47,584.

Patented May 2, 1865.



Witnesses,
M. H. Wingston
C. L. Copple

Inventor,
T. R. Timby
By Munn & Co.
Attys.

UNITED STATES PATENT OFFICE.

THEODORE R. TIMBY, OF SARATOGA SPRINGS, NEW YORK.

IMPROVEMENT IN GLOBE TIME-PIECES.

Specification forming part of Letters Patent No. 47,584, dated May 2, 1865.

To all whom it may concern:

Be it known that I, THEODORE R. TIMBY, of Saratoga Springs, in the county of Saratoga and State of New York, have invented a new and Improved Globe Time-Piece; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a sectional front elevation of this invention. Fig. 2 is a transverse vertical section of the same.

Similar letters of reference indicate like parts.

This invention consists in attaching the axis of a terrestrial globe to a dial and revolving both once in twenty-four hours in such a manner that the globe stands out beyond the front of the clock-case, and the effect of the time-piece is materially enhanced, while it serves at the same time to show at a glance the difference of time in places of different longitude, or the difference of time between any place on the whole globe and the place where the clock is used, without being compelled to turn the clock around, or to look behind the case.

A represents a terrestrial globe, the axle *a* of which is in a horizontal position, having its bearings in one end in a curved arm or standard, *b*, secured to the front of the case B, and at its opposite end in a suitable bearing in the back of the case, as clearly shown in Fig. 2. The arm *b* extends far enough from the case and is curved in such a manner that room is obtained for the globe between the inner edge of the said arm and the case, and that the globe can revolve freely in front of said case. The globe is firmly secured to the axle, to which motion is imparted by a toothed wheel, C, which is mounted on the axle between the front and back of the clock case, as clearly shown in the drawings. The face of the wheel C or its rim is marked with twenty-four figures, running twice from one to twelve, and is made to re-

volve once in twenty-four hours by means of suitable gear or other mechanism which serves to transmit motion from an ordinary clock-movement. A stationary index, D, secured to the front of the clock-case at any proper spot, points on the figures marked on the face of the wheel C, a portion of which is visible through a suitable slot in the case, as clearly shown in Fig. 1, and the spaces between the figures are divided off into sixty or less equal parts, to indicate the minutes.

The time piece is set for a certain locality by turning the globe on the axis until said place stands under the fixed index at twelve m., and by comparing the figures on the wheel with another place the longitude of which is different from that of the first globe the difference of time can be ascertained at a glance.

An ordinary dial with two hands may be used in combination with the clock-movement and the revolving globe, so that my time-piece serves as an ordinary clock, and at the same time as a useful ornament for teaching or observing the difference of time in different localities on the globe. It will be observed that the whole terrestrial globe in this case stands out in front of the clock-case, so that all the parts of the same are visible from one and the same side of the case. By these means an opportunity is afforded to observe the difference of time on all parts of the globe without turning the clock-case round or looking on its rear; and, furthermore, by arranging the globe in this prominent position, a highly-ornamental appearance is given to the whole.

I claim as new and desire to secure by Letters Patent—

Attaching the axis of a terrestrial globe to a dial, and revolving both once in twenty-four hours, substantially for the purposes herein specified, with or without an ordinary clock dial.

THEODORE R. TIMBY.

Witnesses:

M. M. LIVINGSTON,
THEODORE TUSCH.