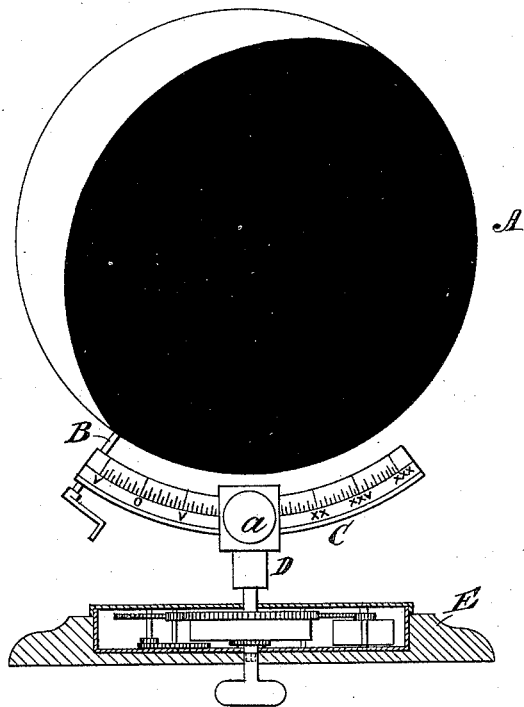


(No Model.)

R. H. FERGUSON.  
TELLURIC GLOBE.

No. 307,636.

Patented Nov. 4, 1884.



Witnesses  
Edward C. Roche  
Geo. Kadman

Inventor  
R. Henry Ferguson  
by his attorneys,  
Hifford & Brown.

# UNITED STATES PATENT OFFICE.

R. HENRY FERGUSON, OF PROVIDENCE, RHODE ISLAND.

## TELLURIC GLOBE.

SPECIFICATION forming part of Letters Patent No. 307,636, dated November 4, 1884.

Application filed January 26, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, R. HENRY FERGUSON, of Providence, in the county of Providence and State of Rhode Island, have invented a certain new and useful Improvement in Telluric Globes, of which improvement the following is a specification.

My improvement consists in a globe having one hemisphere dark and opaque and the other hemisphere luminous; and the improvement comprises means for supporting and imparting rotary motion to the globe.

In the accompanying drawing the figure represents a side view of an instrument embodying my improvement.

In the figure, A designates a globe or sphere, which may be made of any suitable material, hollow or solid, and of one or more pieces. I prefer to make it of papier-maché, wood, or metal. One-half of its surface will be opaque and dark, while the other half is to be light or luminous. The dark part may be produced by the use of black paint and the light or luminous part by luminous paint or other luminous material. In this manner these effects may be produced at the least expense; but it is possible to make the light or luminous part of translucent glass or like material—notably of what is known as “opal glass”—and produce the luminosity by a lamp inside the globe. The globe is mounted on a shaft or arbor, B, whose axis is coincident with the line of the demarcation of the dark and the light or luminous portions of the globe’s surface. Hence, when the globe is rotated upon this shaft, the appearance of the various phases of the moon will be produced, from the most slender crescent to a full circle, where the globe has luminous and dark-colored portions, and it is designed for use at night or in a dark room.

The shaft or arbor B is journaled in an arc-shaped support, C, which is graduated radially to indicate different angles of inclination, and is susceptible of movement longitudinally in a supporting-post, D, to adjust the globe axially into different positions. The shaft B is shown as provided with a hand-crank for use in rotating it. The post D is provided with a screw, *a*, whereby the arc-shaped support C may be clamped within its recess in the post after its adjustment to any position. The post D is journaled in a stand, E. Within this stand is a train of wheels driven by a spring, and serving to impart rotary motion to the post. When the post D is rotated by this train of wheels, the globe will be revolved so that the orbital motion of the moon will be illustrated.

By my improvement I provide an instrument by which an understanding of the causes for the various phases of the moon and other bodies in the universe may be imparted to almost any person.

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

1. A telluric globe having one hemisphere of its surface dark and opaque and the other hemisphere luminous, and mechanism, substantially as described, for imparting rotary motion to such globe, substantially as specified.

2. A globe for illustrating the phases of the moon and other bodies having one half its surface dark and the other half covered with luminous paint or other luminous material, substantially as specified.

R. HENRY FERGUSON.

Witnesses:

HARMON S. BABCOCK,  
ELI W. BLAKE, Jr.

Corrections in Letters Patent No. 307,636.

It is hereby certified that in Letters Patent No. 307,636, granted November 4, 1884, upon the application of R. Henry Ferguson, of Providence, Rhode Island, for an improvement in "Telluric Globes," errors appear in the printed specification requiring correction, as follows: In line 38, the "comma" after the word "circle" should be omitted and a *period* read therein, and the following word "where" commenced with a capital "W." In line 39, the word "and" between the words "portions" and "it" should be omitted. The specification should be read with these corrections therein to make the Letters Patent conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 18th day of November, A. D. 1884.

[SEAL.]

M. L. JOSLYN,  
*Acting Secretary of the Interior.*

Countersigned:

BENJ. BUTTERWORTH,  
*Commissioner of Patents.*