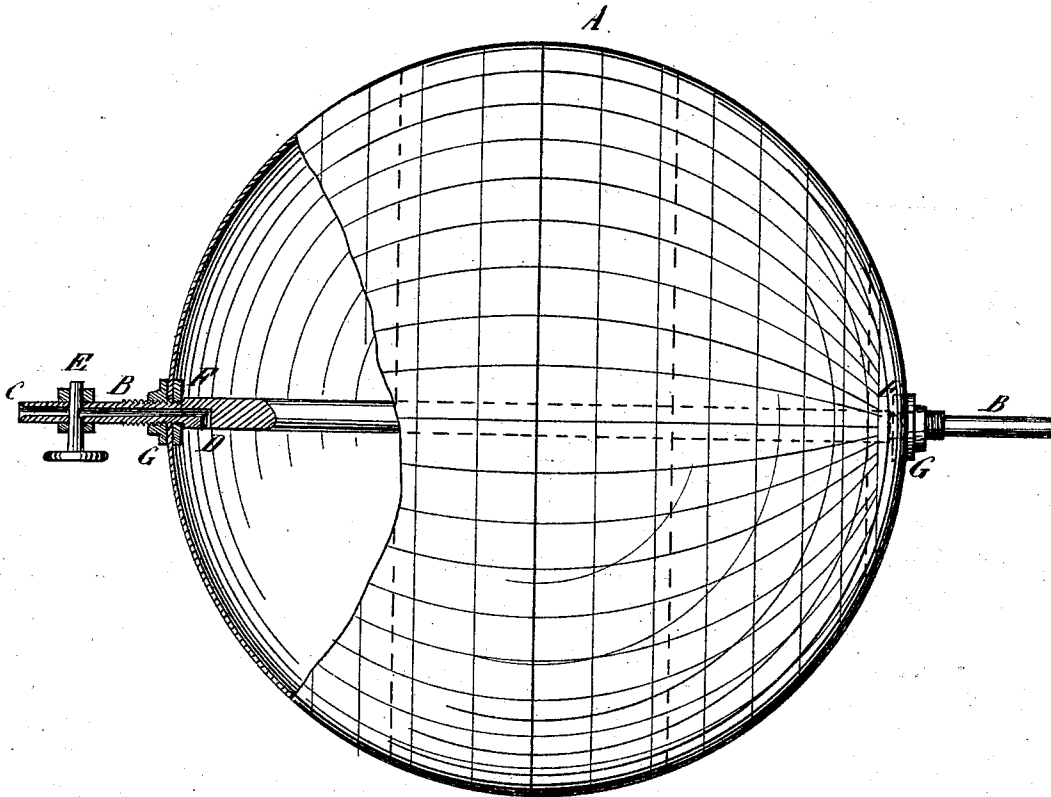


N. N. BROWNE.

GEOGRAPHICAL GLOBES FOR SCHOOLS.

No. 169,950.

Patented Nov. 16, 1875.



WITNESSES:

E. Stevens
A. F. Terry

INVENTOR:

N. N. Browne
BY *Munroe*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

NEWBERN NORRIS BROWNE, OF WOODSTOCK, ALABAMA.

IMPROVEMENT IN GEOGRAPHICAL GLOBES FOR SCHOOLS.

Specification forming part of Letters Patent No. **169,950**, dated November 16, 1875; application filed October 17, 1874.

To all whom it may concern:

Be it known that I, NEWBERN N. BROWNE, of Woodstock, in the county of Tuscaloosa and State of Alabama, have invented a new and useful Improvement in Air-Globes for Schools, &c, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claims.

The drawing illustrates the invention, shown partly in section.

Similar letters of reference indicate corresponding parts.

A represents a globe, made of flexible material, (as membrane, rubber, or other substance or material,) which will readily collapse when the air is allowed to escape. B B are the poles, consisting of a hollow tube or tubular shaft, which passes entirely through the globe, but closed at one end. In this example of my invention the shaft is solid, having a hole, C, bored into one end, which communicates with the interior of the globe by means of the side opening D. This allows air to be blown into the interior to inflate the globe. E is a stop-cock in the tubular portion. F F are collars on the shaft, which keep the globe extended at the poles when it is collapsed around the shaft. G G are screw-nuts on the shaft, by means of which the globe is confined on the collars F F. The shaft is thus fixed in position, and when the globe is inflated it may be revolved to represent the direct motion of the earth, the inclination of

the axis or poles, and from this a correct idea may be conveyed of the orbital motion, the position of the earth in relation to the sun, the cause of heat and cold, the changes of the seasons, and various other interesting phenomena in relation thereto.

I do not confine myself to any particular manner of marking the globe to facilitate the study of geography. I am aware that globes now in use show seas and islands, continents, kingdoms, and cities.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In combination with an inflatable and collapsible geographical globe, the rigid poles B B, substantially as shown and described, for the purposes set forth.

2. The hole C, opening D, and stop-cock E, in combination with the rigid pole of a collapsible geographical globe, substantially as and for the purposes described.

3. In a geographical and inflatable globe, the collars F F and nuts G G, substantially as and for the purposes described.

4. In combination with the inflatable globe A, the tubular shaft or pole B, through which the globe may be inflated, substantially as described.

NEWBERN N. BROWNE.

Witnesses:

J. M. GREEN,
J. N. RAY.