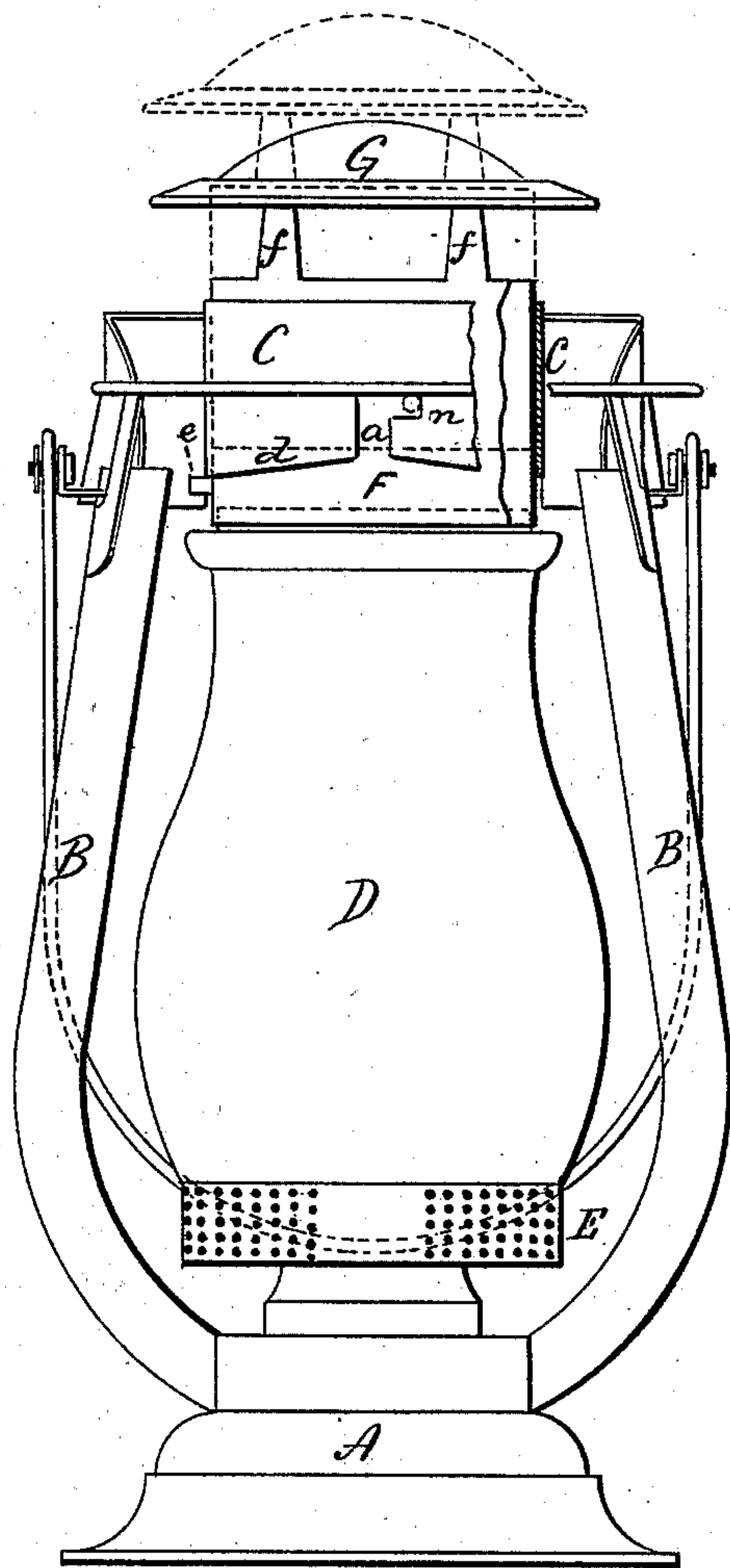


T. LANGSTON.
Lantern.

No. 224,703.

Patented Feb. 17, 1880.



Witnessed.

J. H. Shimmy.
Jos. C. Earle

Thomas Langston.

By atty.

Inventor,

Jos. C. Earle

UNITED STATES PATENT OFFICE.

THOMAS LANGSTON, OF MERIDEN, CONNECTICUT, ASSIGNOR TO EDWARD MILLER & CO., OF SAME PLACE.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 224,703, dated February 17, 1880.

Application filed August 26, 1879.

To all whom it may concern:

Be it known that I, THOMAS LANGSTON, of Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Lanterns; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, which said drawing constitutes part of this specification, and represents a sectional side view.

This invention relates to an improvement in that class of lanterns known to the trade as "tubular lanterns;" and it consists in the method of securing the globe in position, as more fully hereinafter described, and particularly recited in the claim.

A is the base, to which the lamp is attached. B B are the tubes or conductors, which lead air downward to aid in supporting combustion. These tubes are connected at the top by a band, C. D is the globe introduced beneath the band C, and so as to rest on the support E at the base and be held by the base against transverse movement.

Within the ring C is a sleeve, F, fitted so as to have both a vertical and rotating movement within said ring, the lower end of said sleeve fitting the neck of the globe D, and so arranged that when the sleeve F is down upon the globe, as shown, it will hold it (the globe) upon the base, so as to prevent any movement thereof transversely.

In the ring C is a vertical slot, *a*, extending from its lower edge upward, and the lower edge of the ring from said slot is inclined, as at *d*, and may be so inclined in both directions from the slot, as shown.

e is a stud projecting from the sleeve F, and in such relative position to the slot *a* and the inclined lower edge, *d*, of the ring C that when the sleeve is turned to a position to bring the stud *e* beneath the slot the sleeve may be raised, as indicated in broken lines, the stud passing into the slot. This operation raises the sleeve, so as to allow the introduction or removal of the globe, and when the globe is introduced the sleeve F is pressed down until

by turning it the stud *e* will pass beneath the incline *d* of the ring C, as shown, and thereby secure the globe in place.

The sleeve F extends above the ring in the form of posts *f*, and on these the cap or protector G is placed.

The slot *a* may have a notch, *n*, into which the stud *e* may be turned when the sleeve is fully raised, as shown; but this is not essential.

There should be a corresponding notch and incline on the opposite side of the ring C and a corresponding stud on the opposite side of the sleeve F; but it is not essential.

I do not broadly claim securing the globe of a lantern by means of a ring forced upon the neck of the globe by a partial rotation and forced vertical movement of said ring, as such, I am aware, is not new; but in such cases the ring has been in the form of a collar turning within the upper or cap portion of the lantern, which in those cases is a stationary or immovable part, whereas in this application the ring is made as a part of the cap and so that the cap and ring are turned together, the cap forming a convenient means for turning the ring, and which is the peculiar characteristic of this invention. Neither do I claim as my invention the air-tubes or means of conducting the air into the mouth of said tubes, shown in the drawing.

I claim—

In a lantern, the combination of the base-support for the globe, the globe, a ring above the globe and concentric with it, connected to the base below the globe, said ring constructed with a vertical slot, *a*, and inclined lower edge, *d*, with the sleeve F arranged within said ring and so as to set onto the neck of the globe, and provided with a projecting stud, *e*, said sleeve extending up through said ring and attached to or made a part of the cap or protector, substantially as and for the purpose described.

THOMAS LANGSTON.

Witnesses:

WM. H. PERKINS,
FREDK. S. WILLIAMS.