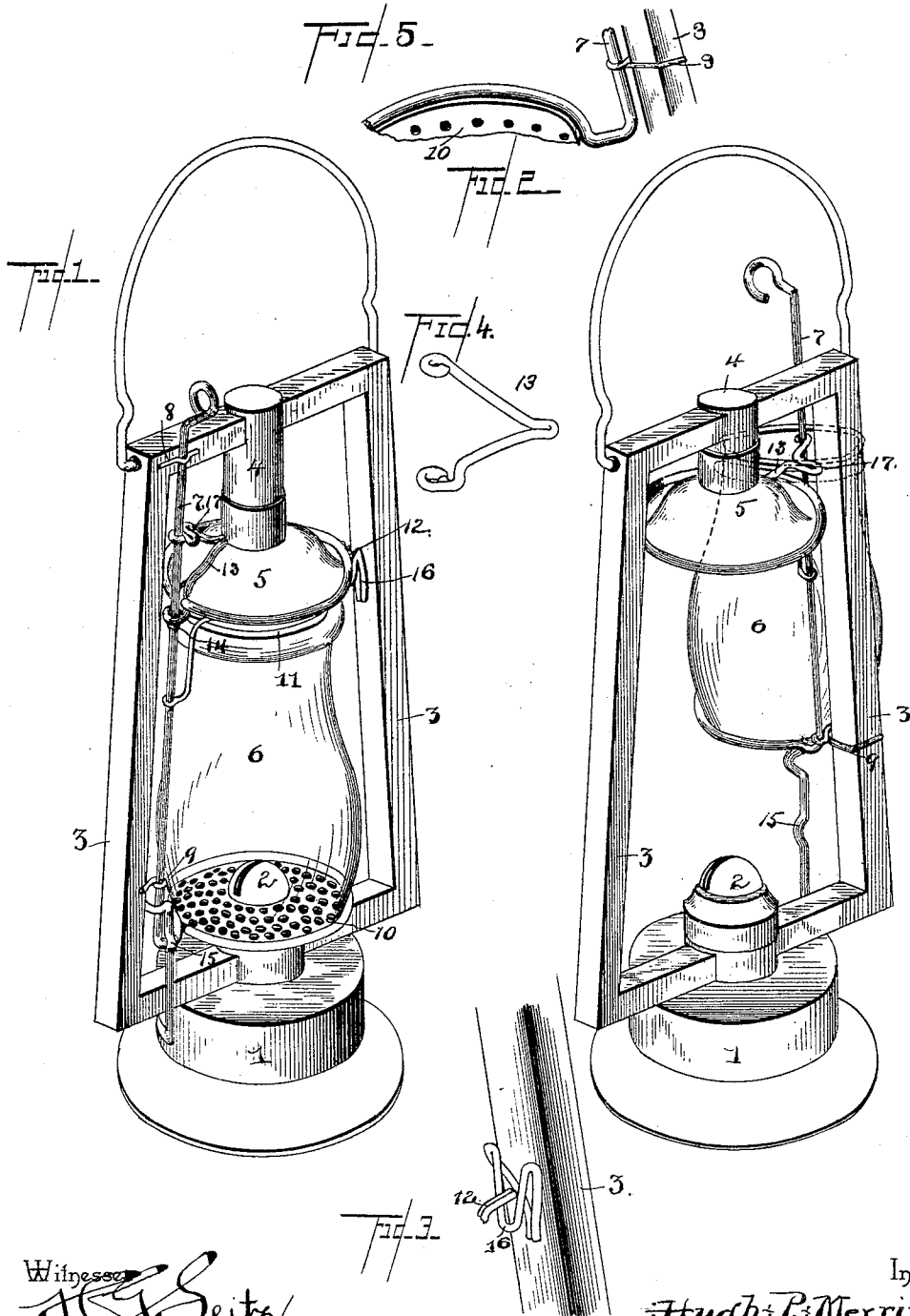


(No Model.)

H. P. MERRIMAN.
LANTERN.

No. 480,931.

Patented Aug. 16, 1892.



Witness
H. G. Seitz
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By his Attorneys

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UNITED STATES PATENT OFFICE.

HUGH PERCY MERRIMAN, OF MORRIS, NEW YORK.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 480,931, dated August 16, 1892.

Application filed May 7, 1891. Serial No. 391,938. (No model.)

To all whom it may concern:

Be it known that I, HUGH PERCY MERRIMAN, a citizen of the United States, residing at Morris, in the county of Otsego and State of New York, have invented a new and useful Lantern, of which the following is a specification.

The invention relates to improvements in lanterns.

The object of the present invention is to simplify and improve the construction of tubular lanterns and enable convenient access to be had to the burner for the purpose of cleaning, lighting, trimming the wick, filling the reservoir, &c., without necessitating the removal of the globe.

The invention consists of the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a tubular lantern constructed in accordance with this invention, the parts being in operative position. Fig. 2 is a similar view, the globe being raised and swung aside. Fig. 3 is a detail perspective view. Fig. 4 is a detail perspective view of the V-shaped wire. Fig. 5 is a detail view of a portion of the globe-seat.

Referring to the accompanying drawings, 1 designates a reservoir for oil, 2 a burner, and 3 air-tubes constructed in the ordinary manner. The air-tubes 3 have a depending vertically-disposed tube 4, on which slides a globe-cap 5, which is arranged above a globe 6 and is connected with a rod 7. The rod 7 is journaled in eyes 8 and 9 of the air-tube and has its upper end bent angularly and provided with a ring and forming a handle, and the lower end of the rod 7 is coiled around and secured to a globe-seat 10, which supports the globe 6, and the upper end of the same is secured by a spring clamping-ring 11, which is constructed of a single piece of wire and is secured to the rod 7 and is provided with an L-shaped extension 12. The said rod 7 is adapted to be raised, as illustrated in Fig. 2 of the accompanying drawings, and when raised is partially rotated to swing the globe to one side and permit free access to the burner for lighting, trimming, cleaning, and filling

the oil-reservoir 1, and it is not necessary to remove the globe except for cleaning the same. The globe-cap 5 is connected with the rod 7 by a V-shaped wire 13, which is provided at its ends with eyes adapted to slide on the rod 7, and the lower eye engages a stop 14, which limits the downward movement of the globe-cap 5 and causes sufficient space between the top of the globe and the globe-cap to insure ventilation. The globe is held against accidental raising by a spring-catch 15, arranged to engage the lower end of the rod 7 and having its upper end curved and forming a support for the rod when the parts are in an elevated position, as shown in Fig. 2. The L-shaped extension 12 is arranged diametrically opposite the rod 7, and engages when the globe is in position for service a U-shaped keeper 16. The U-shaped keeper 16 prevents the globe swinging aside when in operative position, and is constructed of wire and has its mouth at its upper end and is secured to the inner face of one of the air-tubes. When the globe is raised, the extension 12 is lifted out of the keeper 16 and the globe may be readily swung aside.

It will readily be seen that the lantern is simple and inexpensive in construction and will permit free access to its burner for the purpose of trimming, lighting, filling the oil-reservoir, putting in a wick, and kindred purposes, and does not necessitate the removal of the globe except for washing the latter.

The upper arm of the V-shaped wire is provided with a bend, forming a thumb-piece 17, to enable the globe-cap to be raised for the purpose of blowing out the light and to avoid the necessity of hoisting the globe from the burner or of turning down the wick to extinguish the light.

What I claim is—

1. The combination of the lantern-frame having vertical air-tubes, the U-shaped keeper arranged on one of the air-tubes, the vertically-movable rod 7, journaled on the other air-tube and carrying the chimney, and the clamping-ring receiving the upper end of the chimney and secured to the rod 7 and provided with a projection arranged diametrically opposite the rod 7 and adapted to engage the U-shaped keeper, substantially as described.

2. In a lantern, the combination, with the oil-reservoir, burner, and air-tubes, of the eyes 8 and 9, arranged on the air-tubes at one side of the lantern, the U-shaped keeper constructed 5 of wire and arranged at the opposite side of the lantern, the rod journaled in the eyes and provided at its upper end with a handle, the globe-seat attached to the lower end of the rod, the globe-cap attached to the rod near 10 the upper end thereof, and the clamping-ring secured to the rod and arranged below the globe-cap and provided with a projection arranged diametrically opposite the rod and adapted to engage the keeper when the parts 15 are in operative position, substantially as described.

3. The combination, with a lantern provided

with the vertical depending tube 4, of the vertical rod 7, secured to the lantern, the globe-cap sliding on the tube 4, and the V-shaped 20 wire provided at its ends with eyes to receive the rod and having its lower arm secured to the globe-cap and provided in its upper arm with a bend forming a thumb-piece 17, whereby the globe-cap can be raised to extinguish 25 the light, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HUGH PERCY MERRIMAN.

Witnesses:

CHARLES A. HOLMES,
CHARLES F. WRIGHT.