

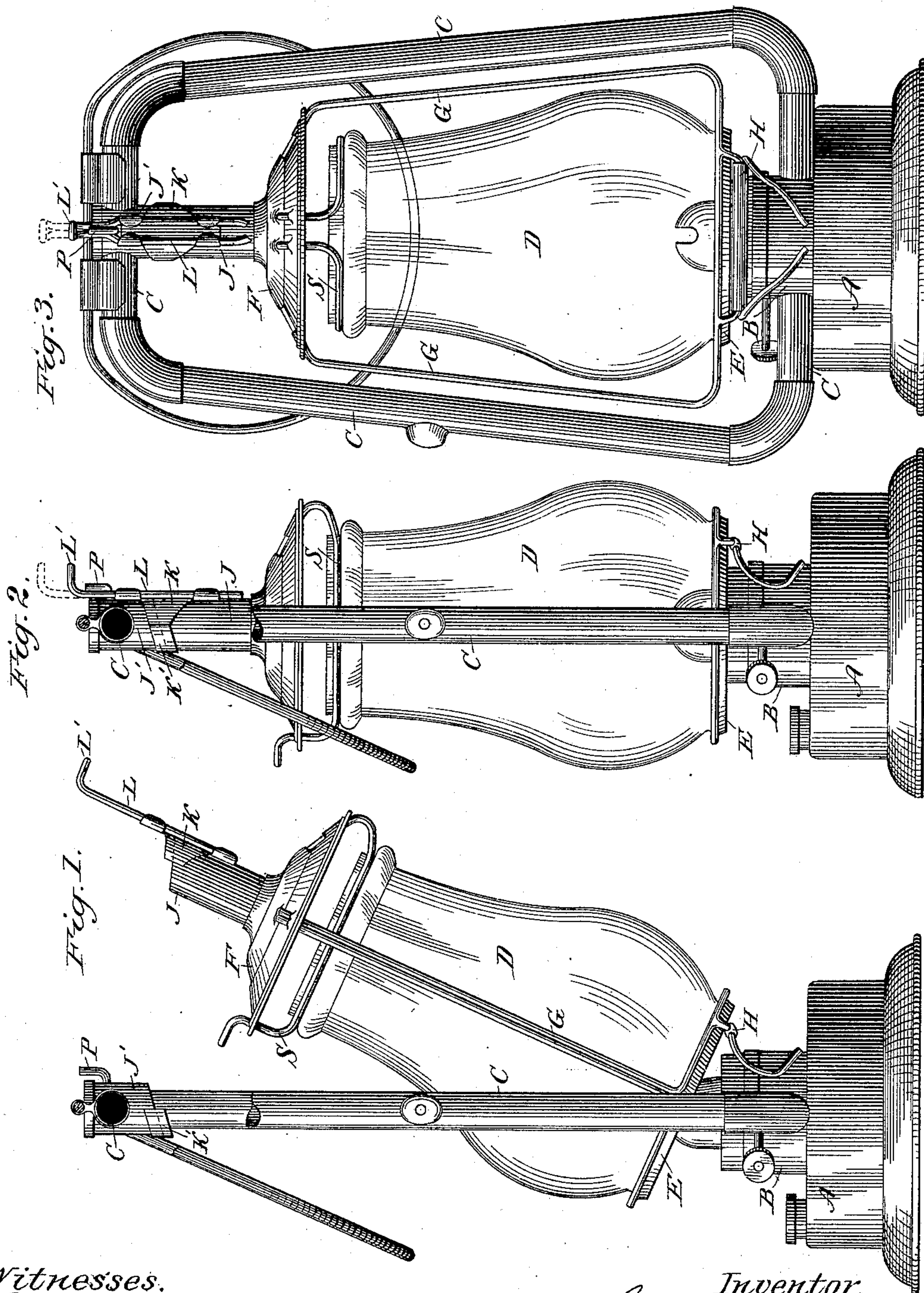
(No Model.)

J. B. STETSON.

LANTERN.

No. 286,087.

Patented Oct. 2, 1883.



Witnesses.
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UNITED STATES PATENT OFFICE.

JOSEPH B. STETSON, OF LINCOLN, MAINE.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 286,087, dated October 2, 1883.

Application filed October 7, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH B. STETSON, a citizen of the United States, residing at Lincoln, in the county of Penobscot and State of Maine, have invented certain new and useful Improvements in Lanterns; and I do hereby declare that the same are fully described in the following specification and illustrated in the accompanying drawings.

10 This invention consists in a lantern in which the glass shade is removed from its position over the burner for filling, trimming, or lighting the lamp by tipping said shade back on a hinge without detaching it from the frame, 15 which remains permanently vertical. It also consists in the combinations of devices set forth in the appended claims.

In the drawings, Figure 1 is a side elevation of my improved lantern, showing the glass 20 partially turned down on its hinge, a portion of its tubular frame being broken away to show the construction. Fig. 2 is a similar view with the parts in position for use; and Fig. 3, a front view, illustrating the form of hinge and catch 25 preferred.

Lanterns of the general character illustrated in the drawings are usually made with the globe detachable from the frame for filling, 30 trimming, and lighting the lamp by means of a spring at the upper end of the glass, such as is shown at S. I employ such a spring, using it only when access to the interior of the globe is desired for cleaning it; but for trimming, lighting, &c., I merely tip back the 35 globe and the cage or attached parts on a hinge without disconnecting them from the frame, which remains permanently vertical.

In the drawings, A is the oil-reservoir, and B the air-chamber above it, from which the 40 tubular frame C extends around the globe D in the usual manner. The globe rests upon a perforated plate, E, and is connected with the concave disk F at its upper end by the spring S, this plate and disk being permanently connected by side straps, G, as shown in my Patent 45 No. 244,944, dated July 26, 1881. With my present invention I hinge the plate E to the air-chamber B, or to the reservoir A, by a hinge, H, so that the globe may be turned 50 down horizontally, or more or less, without affecting the position of the frame. The vertical tube J J', fixed to the concave disk F and communicating with the tubular frame C, I sever, preferably on an oblique line, as best 55 shown in Fig. 1, in order that the part J be-

low such line may tip down with the globe and its concave cap, while the upper part, J', may remain fixed to the tubular frame. To insure a tight joint at this line of separation and to form a stop insuring proper continuity of the tube J J' when in position for use, I secure concave pieces of metal K K' to the longer sides of the two parts of this tube, each piece in position to lap over the seam or joint and close any possible aperture, as will be clear from Figs. 1 and 2.

The parts of the tube J, and with them the globe and lantern-frame, may be locked in position for use by any suitable means—such as a latch, spring, or sliding collar; but I prefer the means I have devised and shown in the drawings. The fixed part J' of the vertical tube bears a projecting hook or pin, P, and the other part, J, carries a vertically-sliding loop, L, which engages with said pin when pushed down, as shown in full lines in Figs. 2 and 3, but is released therefrom when raised, as denoted in dotted lines. The ways in which the loop slides may form part of the piece K, as the drawings indicate. The top of the loop-wires bent horizontally forms a suitable handle, L'.

I claim as my invention—

1. A lantern having a fixed tubular frame severed at a single point above the burner and a globe mounted in an adjustable cage hinged to the reservoir or air-chamber, and provided with a catch, whereby the globe and its cage may be tipped down independently of the frame for filling, trimming, and lighting the lamp, and secured, when turned back into position for use, without detachment of any of the parts, substantially as set forth.

2. The globe D, plate E, disk F, and straps G, in combination with a hinge and catch forming adjustable connections of the globe to the frame, for the purpose set forth.

3. In a lantern having a tubular frame, the globe mounted in a hinged cage, in combination with the severed tube J J' and overlaps K K', for the purpose set forth.

4. In a lantern having a tubular frame, the combination of the frame with the hinged globe, the severed tube J J', and the lock L P, substantially as set forth.

In testimony whereof I hereto affix my signature in presence of two witnesses.

Witnesses: JOSEPH B. STETSON.

O. H. CHESLEY,
MILTON H. STETSON.