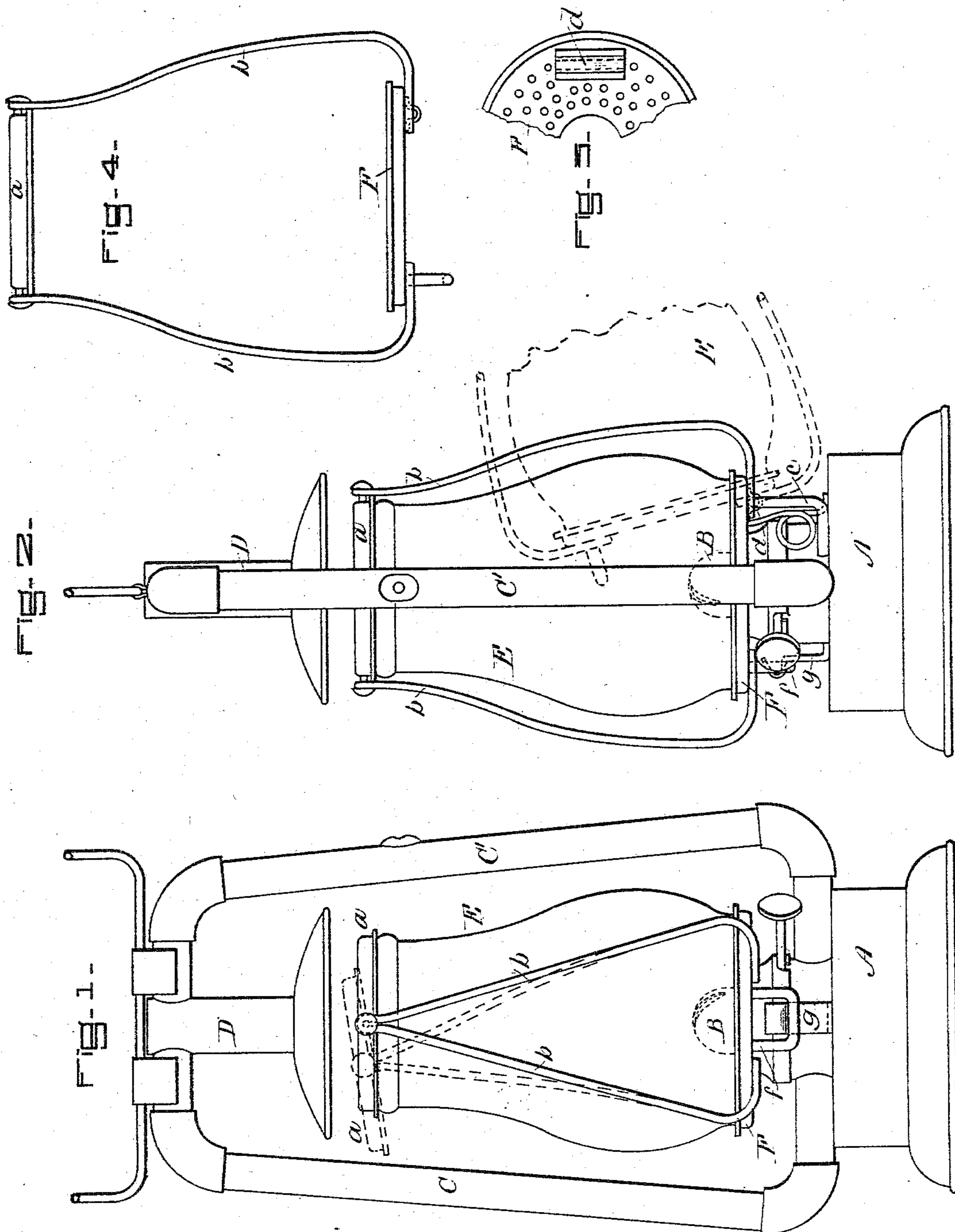


(No Model.)

C. J. HIGGINS.  
LANTERN.

No. 287,932.

Patented Nov. 6, 1883.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

CHARLES J. HIGGINS, OF FARMINGDALE, MAINE.

## LANTERN.

SPECIFICATION forming part of Letters Patent No. 287,932, dated November 6, 1883.

Application filed February 26, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES J. HIGGINS, of Farmingdale, county of Kennebec, State of Maine, have invented an Improvement in  
5 Lanterns, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention in lanterns is embodied in  
10 that class of lanterns having side tubes; and my improvements relate, chiefly, to means for holding and releasing the globe, and also for moving it with relation to the burner, as will be hereinafter described.

15 My invention consists, as hereinafter specified and claimed, in supporting the globe in a frame composed of a collar, rods to which said collar may be pivoted, and the supporting-base connected directly by the said rods  
20 to the said collar, the frame being hinged to the oil-reservoir, and movable laterally from the lantern without moving the air-tubes, burner, or oil-reservoir.

Figure 1 represents in front elevation a  
25 lantern provided with my improvements, and Fig. 2 a side elevation thereof; Fig. 3, a partial view of the perforated plate which surrounds the burner, and Fig. 4 a detail showing the independent frame-work to hold the  
30 globe.

In Figs. 1 and 2 the dotted lines show different positions of the globe and its frame-work.

35 The oil-chamber A, burner B, side tubes, C C', and tube D are as common to other lanterns.

The globe E, of usual shape, has its upper end fitted into a collar or ring, *a*, herein shown as pivoted upon the side rods, *b b*, so  
40 that the said collar or ring embracing the said globe at top may be turned, tilted, or sprung, or tipped off from the top of the globe when it is desired to release the latter. These rods are shown as spring-rods connected at  
45 their lower ends to the perforated plate or globe-support F, upon which the bottom of the globe rests, the said plate having a central opening to fit over the usual burner, B. The support F is suitably hinged to the oil-  
50 chamber A, as herein shown, by a bent wire, *c*, entering a loop, *d*, attached to the under side of the said support F, whereby the globe and its carrying parts may be tipped over to

remove the same and the support F from above the burner to enable the wick of the  
55 burner to be lighted. The support F has a suitable projection, *f*, attached to it opposite its hinged side, to engage a spring-latch, *g*, attached to the oil-chamber, the said projection and latch forming a fastening device to retain  
60 the globe-holding frame and globe in vertical position.

It will be noticed that the globe is held in a frame-work composed of the collar *a*, rods *b b*, and plate or support F, and that the said  
65 rods are arranged, as I prefer them, at the front and rear sides of the globe, to thus act as guards for the latter.

When the collar *a* is turned off the top of the globe, as in the dotted lines, Fig. 1, the  
70 latter may be taken out of the frame from either side thereof.

I desire it to be understood that I do not limit my invention to rods of the exact shape or construction shown, as it is obvious that  
75 the rods or connections between the perforated plate or support for the bottom of the globe and the collar which holds the top of the globe may be variously modified, so as to permit the collar to be turned or moved off  
80 the top of the globe to release the same without departing from my invention.

I claim—

1. In a lantern, the globe E, supported in and movable with a frame composed of the  
85 collar *a*, rods *b b*, to which said collar may be pivoted, and the supporting-base F, connected directly by the said rods to the said collar, the frame being hinged to be tilted laterally, substantially as shown and described. 90

2. The combination of the oil-reservoir A, burner B, tubes C C' and D, and the globe E, supported in and movable with a frame composed of the collar *a*, rods *b b*, to which  
95 said collar may be pivoted, and the supporting-base F, connected directly by said rods to said collar, the said frame being hinged to be tilted laterally, substantially as shown and described.

In testimony whereof I have signed my name  
100 to this specification in presence of two subscribing witnesses.

CHARLES J. HIGGINS.

Witnesses:

G. W. GREGORY,  
BERNICE J. NOYES.