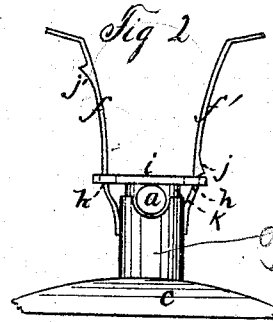
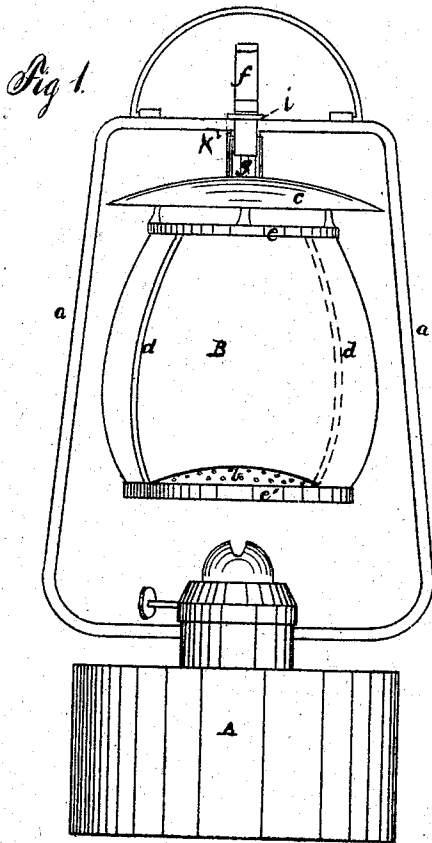


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F. M. Ford
Imp'd. Lantern

PATENTED JUL 25 1871



Witness
John Williams
John J. Allen

Inventor
F. M. Ford
Per Atty Am. Patent Agency

UNITED STATES PATENT OFFICE.

FRANK M. FORD, OF SEBEC, ASSIGNOR TO HIMSELF AND CHARLES S. PEARL,
OF BANGOR, MAINE.

IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. 117,399, dated July 25, 1871.

To all whom it may concern:

Be it known that I, FRANK M. FORD, of Sebec, in the county of Piscataquis and State of Maine, have invented a new and useful Improved Lantern; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable others to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 shows an elevation of my invention; Fig. 2, a detail of the sustaining-springs.

Same letters show like parts.

The object of my invention is to so improve the common lantern as to enable it to be more easily and conveniently lighted. My invention more particularly relates to that class of lanterns burning kerosene, in which the globe serves as a chimney for the lamp. As these are now constructed the globe must be removed before the lamp can be lighted, said globe being attached neither to the disk at the bottom nor that at the top of the lantern, but all being unconnected and liable to fall apart when the globe is removed. I obviate this disadvantage by securing said globe to both of these disks, so arranging it that the globe is raised from the lamp, providing springs to sustain it in this position, and to secure it in its position when the lamp has been lighted and the globe is down.

The nature of my invention will be better understood by reference to the drawing. A shows the lamp; *a a*, the guards; B, the globe having the perforated disk *b* at the bottom and the disk C at the top, securely fastened to it. In Fig. 1 this fastening is shown as being two metal straps

or wires, *d*, extending from the band *e* attached to the upper disk to the band *e'* of the lower disk, and securing the globe between them, said bands encompassing it at each end. At *f f'* are shown springs attached to a sliding tube, *g*, secured to the upper disk. These springs pass through slots (shown in dotted lines at *h h*, Fig. 2) in a plate, *i*, and have stops *j j'*, one of which, *j*, sustains the globe when it is raised for the purpose of lighting the lamp, and the other, *j'*, holds said globe down upon the lamp when the same has been lit. The tube *g* slides over another tube, *k*, which is fastened to the guards of the lantern, and serves to steady the movements of the globe. The globe and disks *b* and *c* may be attached to each other in several ways.

When my improved lantern is to be lighted the springs *f f'* are grasped between the thumb and finger and pressed together. This frees the stop *j'* from the plate *i*, and allows the tube *g*, disk *c*, globe B, and disk *b* to be raised from the lamp and held up by the stop *j* upon the spring until the lamp can be lighted. These springs *f f'* may be made in one piece, if desired, in the shape of a bow.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the globe B and attached disks *b c* with the springs *f f'*, having stops *j j'* and slotted plate *i* or their equivalents, substantially as specified, for the purposes set forth.

FRANK M. FORD.

Witnesses:

BENJ. COLBY,
ALEX. T. WALKER.