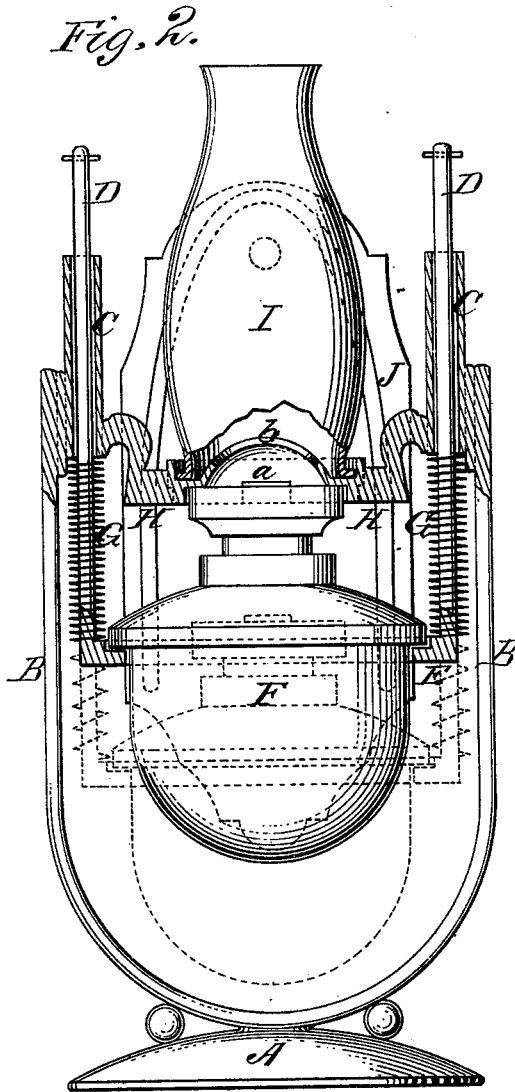
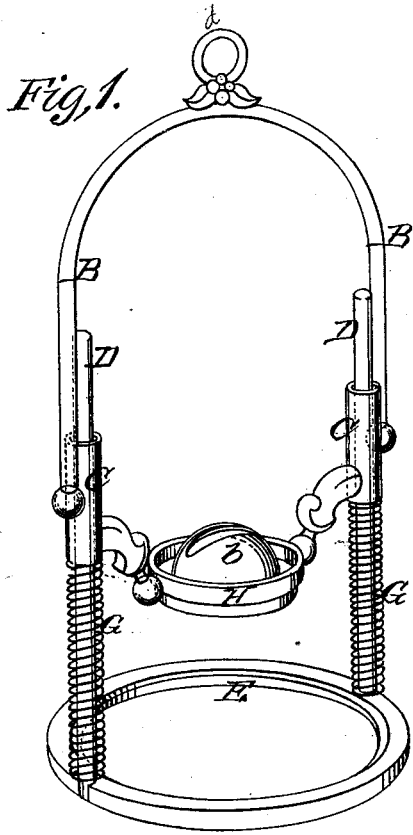


F. RATCLIFF.  
Lamp.

No. 204,608.

Patented June 4, 1878.



WITNESSES  
*Villette Anderson.*  
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# UNITED STATES PATENT OFFICE.

FREDERICK RATCLIFF, OF WEST MERIDEN, CONNECTICUT.

## IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **204,608**, dated June 4, 1878; application filed February 9, 1878.

*To all whom it may concern:*

Be it known that I, FREDERICK RATCLIFF, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new and valuable Improvement in Lamps; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of a hanging lamp-frame, showing my invention applied; and Fig. 2 is a side view, partly in section, of a lamp and its attachments, illustrating my invention.

This invention relates to improvements in oil-lamps; and the nature of the invention consists in the combination, with the U-shaped support and a globe-ring having the rod-guides or sleeves attached to said support, of the lamp-ring having slide-rods, the upper ends of which work in the rod-guides or sleeves, and the lower ends of which are surrounded by the exposed extension-springs, as will be hereinafter more fully set forth.

In the annexed drawings, the letter A designates the base, upon which is erected the U-shaped upright B, the parts A and B constituting the frame of the lamp. The upright B has at its upper ends the parallel sleeves C, through which the rods D, which sustain the ring E, in which a lamp, F, is supported, are extended. The sleeves C are connected with the ring E, by means of the spiral springs G, that by their reaction hold the lamp up against a metallic ring, H, rigidly secured to the sleeves C aforesaid, upon which the globe I is secured by the usual means. The globe is thus stationary, while, by drawing down upon the lamp, the springs G yield and allow the wick-tube *a* to appear below the globe, when it may be lighted without interfering in any way therewith.

In the drawings the cleft burner *b* is shown attached to the globe-ring H; but this is not obligatory, as it may form a part of the lamp-

body. In this case the ring H will merely support the globe.

When the lamp is designed to be attached to a wall, a back plate, J, connected to the globe-ring or to the sleeves C by arms, is used, and the base-plate is then dispensed with; but when the lamp is to be used indiscriminately as a wall or table lamp it will have both the base and back plates, as shown in Fig. 2.

Figure 1 shows my invention applied to a swinging lamp. In this case the base and back plates are dispensed with, and the upright B of the frame is inverted, and provided with a ring or hook, *d*, at its upper or highest point, as a means of attachment to a supporting bracket, chain, cord, or other equivalent device. The remainder of the attachments are precisely as above set forth.

It is evident that the lamp may be made stationary and the globe movable relative to the frame without changing the nature of my invention.

In practice, the lamp-body is readily detachable from its ring, and is provided with projecting spurs, that enter corresponding recesses in the said ring, for the purpose of holding the lamp steady and affording guides as to how the lamp should be placed in the ring in order that its wick-tube may enter the cleft burner when the latter is part of the globe-ring.

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

The combination, with the U-shaped support B and the globe-ring H, having the sleeves C attached to said support, of the lamp-ring E, having the slide-rods D, the upper ends of which work in the sleeves C, and the lower ends of which are surrounded by the exposed extension-springs, as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FREDERICK RATCLIFF.

Witnesses:

FRANK S. FAY,  
HENRY BERRY.