

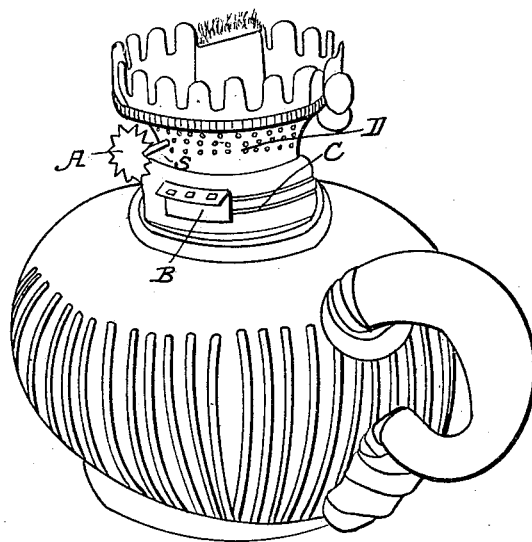
PERKINS & HOUSE.

Lamp.

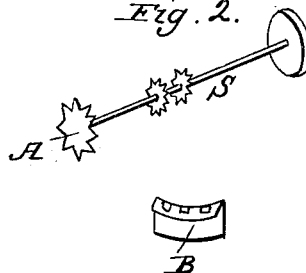
No. 46,819.

Patented March 14, 1865.

*Fig. 1.*



*Fig. 2.*



Witnesses:  
*A. J. Martin*  
*Alfred Elwell*

Inventors:  
*John Perkins*  
*Mark W. House*

# UNITED STATES PATENT OFFICE.

JOHN M. PERKINS AND MARK W. HOUSE, OF CLEVELAND, OHIO.

## IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. 46,819, dated March 14, 1865.

*To all whom it may concern:*

Be it known that we, JOHN M. PERKINS and MARK W. HOUSE, of Cleveland, in the county of Cuyahoga, in the State of Ohio, have invented a new and useful device to be attached to lamps, which extinguishes the light when any attempt is made to remove the screw-top for the purpose of refilling or replenishing the oil in the lamp; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The same letters mark the same parts in both figures.

Figure I is a perspective drawing of a hand-lamp with the chimney and cone-piece removed. Fig. II is a perspective view of the feed-shaft removed from the lamp, showing two star-wheels near the center of the shaft which acts upon the wick; also the milled head for the purpose of regulating the flame. On the end of this shaft is the wheel A, and just below the shaft is the segment B, the device to be considered.

The nature of our invention consists in attaching the wheel A to the feed shaft S to any of the well-known oil-burners; also the piece or segment B with slots, cogs, or their equivalent, attached to the lamp-cap C or any sta-

tionary portion of the lamp in such a manner that when the burner D is being unscrewed the wheel A will come in contact with the piece or segment B, thereby rotating the feed-shaft S sufficiently to depress the wick and extinguish the flame.

By this simple and arbitrary device no lamp can be exploded by its own flame, and it becomes a perfect safety-lamp and thereby prevents great destruction of life and property that has resulted from the use of the lamp in its present form by attempting to refill the same when low or nearly out, thus leaving a large space in the lamp for gas already generated, which rushes out of the lamp and into the flame of the burning wick and thus producing explosion.

This safety attachment is so arbitrary in its movements that the flame is extinguished before one-quarter of a revolution is made with the screw-top.

What we claim as our invention, and desire to secure by Letter Patent, is—

Wheel A and segment B, when arranged as specified, or their equivalent.

JNO. M. PERKINS.

MARK W. HOUSE.

Witnesses:

A. J. MARVIN,

ALFRED ELWELL.