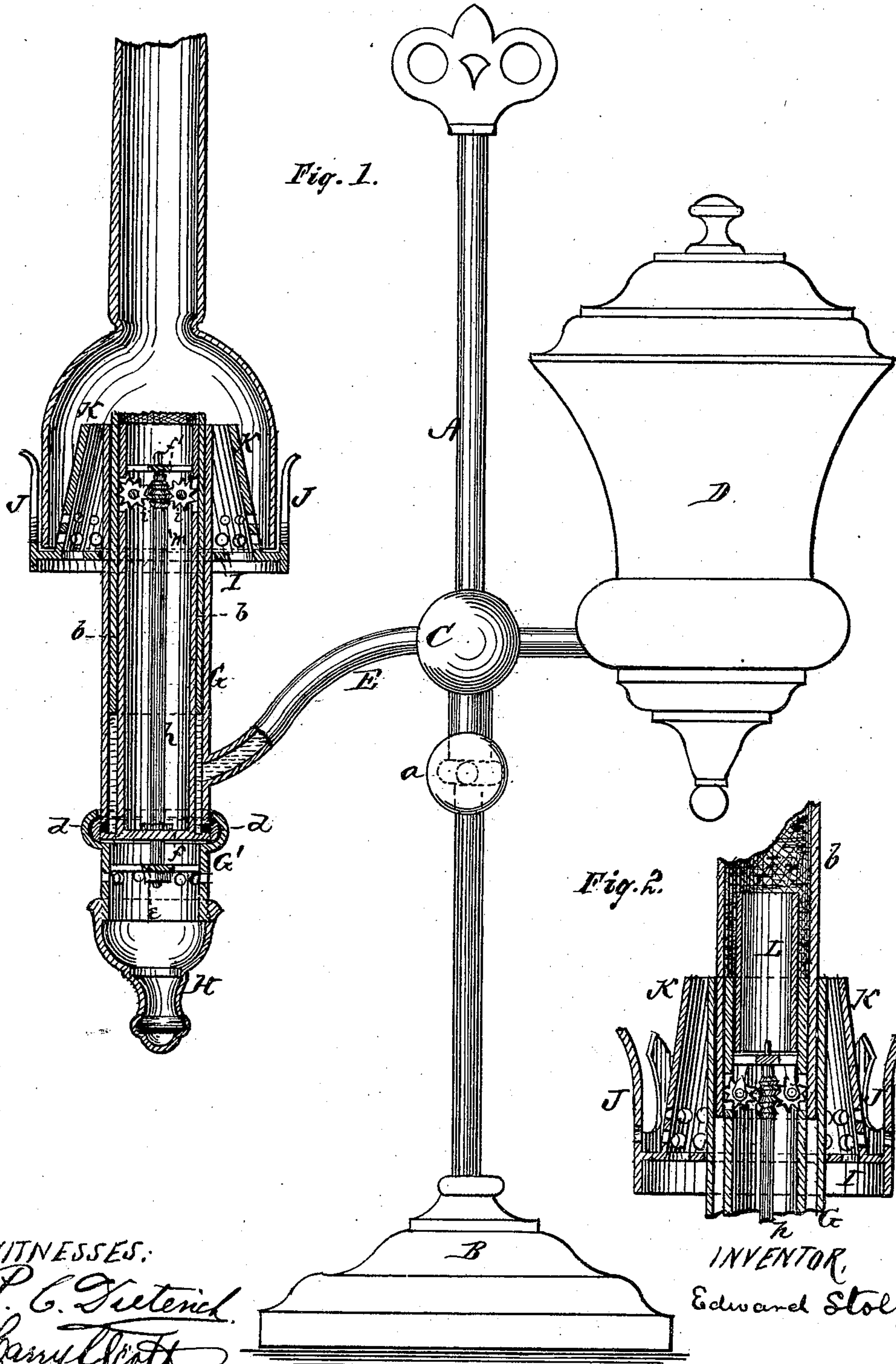


**E. STOLPE.**  
**Lamps.**

No. 148,522.

Patented March 10, 1874.



WITNESSES:  
*P. C. Gietenck*  
*Harry Scott*

INVENTOR,  
*Edward Stolpe*

per. *C. H. Watson & Co*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

EDWARD STOLPE, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR TO  
HIMSELF AND JOSEPH J. WALTON, OF NEW YORK CITY.

## IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **148,522**, dated March 10, 1874; application filed  
January 31, 1874.

*To all whom it may concern:*

Be it known that I, EDWARD STOLPE, of Washington, in the District of Columbia, have invented certain new and useful Improvements in Lamps; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to that class of lamps in which the reservoir is on one side of a stand, and the burner on the other side—commonly known as students' lamps; and the nature of my invention consists in the devices for raising and lowering the wick, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation of a student's lamp embodying my invention, the burner and wick-tube in vertical section; and Fig. 2 is a section of the burner with the device for inserting the wick.

A represents an upright rod attached to a foot, B, and upon which rod is a slide, C, secured at any desired height by a set-screw, *a*. D is the oil-reservoir, connected by a tube, E, through the slide C, with the wick-tube G. This wick-tube is the usual double and round tube, used with a tubular wick, *b*, to form an argand-burner. At the lower end of the wick-tube G is a circumferential bead or flange, *d*, over which is passed a short perforated tube, G', forming, as it were, an extension of the wick-tube, and to the lower end of which is screwed the drip-cup H. Across the interior of the tube G' is a bar, *e*, to which is firmly secured a shaft or rod, *h*. This rod passes vertically up through the center of the wick-tube G, and is guided by means of two cross-bars, *f* and *f'*—the former at the lower end, and the latter near the upper end, of the wick-tube. On the rod *h*, near the upper end, is formed or attached an endless screw or worm, *m*, which

operates two pinions, *i i*. These pinions are suspended by suitable hangers from the cross-bar *f'*, and project through slots in the interior part of the wick-tube, so as to come in contact with or catch in the wick *b*; and hence, by turning the drip-cup H with the short tube G', the wick may be raised and lowered at will, thus making the drip-cup serve the double purpose of a drip-cup, and also a handle to raise and lower the wick.

Around the wick-tube G, at a suitable point, is secured an annular perforated disk, I, formed with the stationary chimney-holder J; and on the same is secured a conical perforated draft-tube, K, extending up around the outside of the wick-tube, to supply air to the outside of the flame, the inside being supplied through the interior of the wick-tube by means of the perforations in the short tube G'.

Great difficulty is experienced in putting in a new wick in such double wick-tubes as are used in this class of lamps. To facilitate this process, I employ a short tube, L, which is inserted in the upper end of the wick-tube, and rests upon the cross-bar *f'*. The wick is readily passed over this tube and guided down into the wick-tube.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the round double wick-tube G, having a circumferential flange or bead, *d*, at its lower end, of the short perforated tube G', cross-bars *e f f'*, rod *h* with worm *m*, and pinions *i i*, all constructed substantially as and for the purposes herein set forth.

2. The cup H, serving the double purpose of cup and handle, in combination with tube G', rod *h* with worm *m*, and pinions *i i*, constructed and arranged as and for the purpose specified.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

EDWARD STOLPE.

Witnesses:

HARRY C. SCOTT,  
C. H. WATSON.