

(No Model.)

2 Sheets—Sheet 1.

L. HENKLE.  
WICK RAISER FOR LAMPS.

No. 398,725.

Patented Feb. 26, 1889.

Fig. 1.

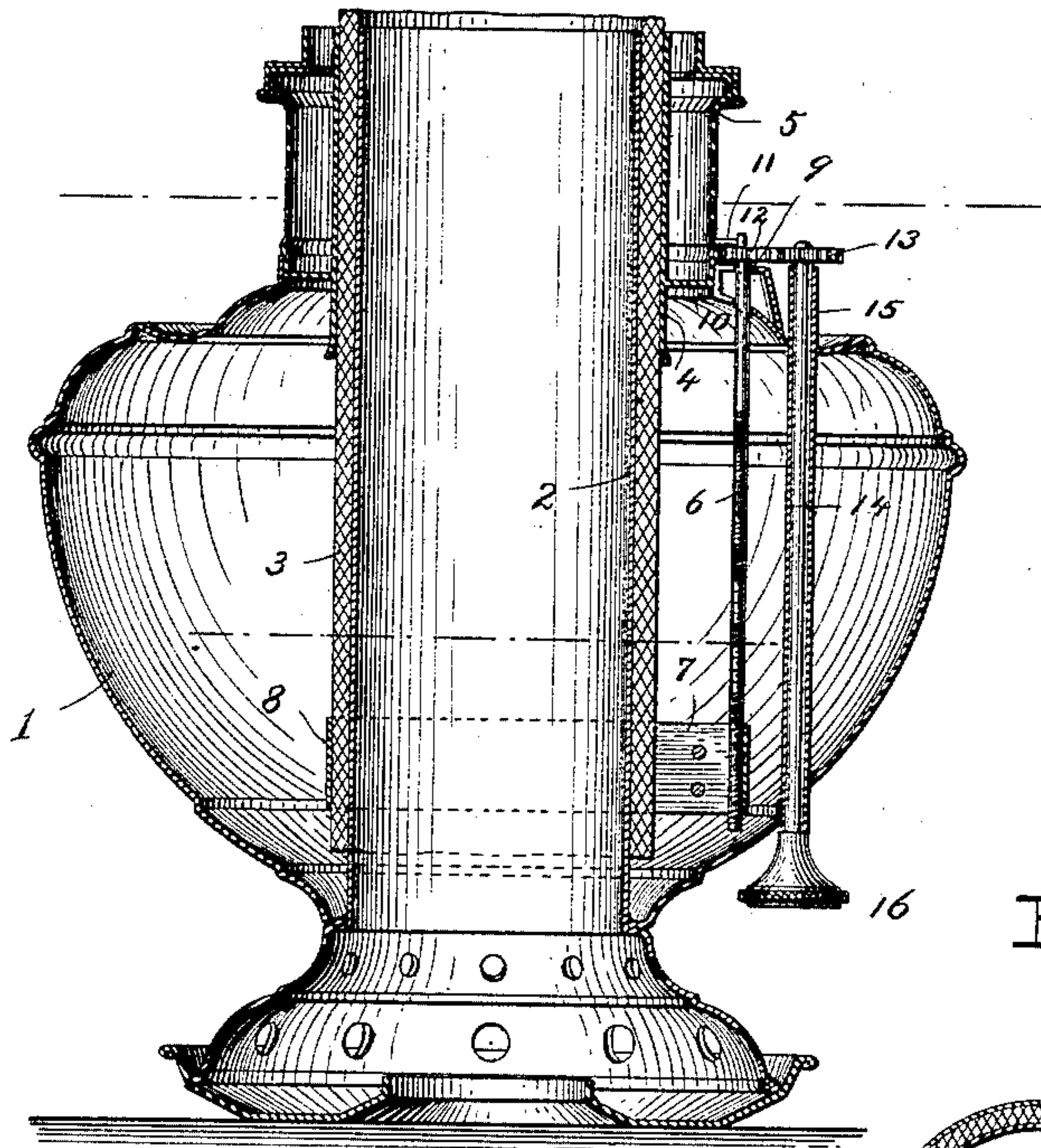
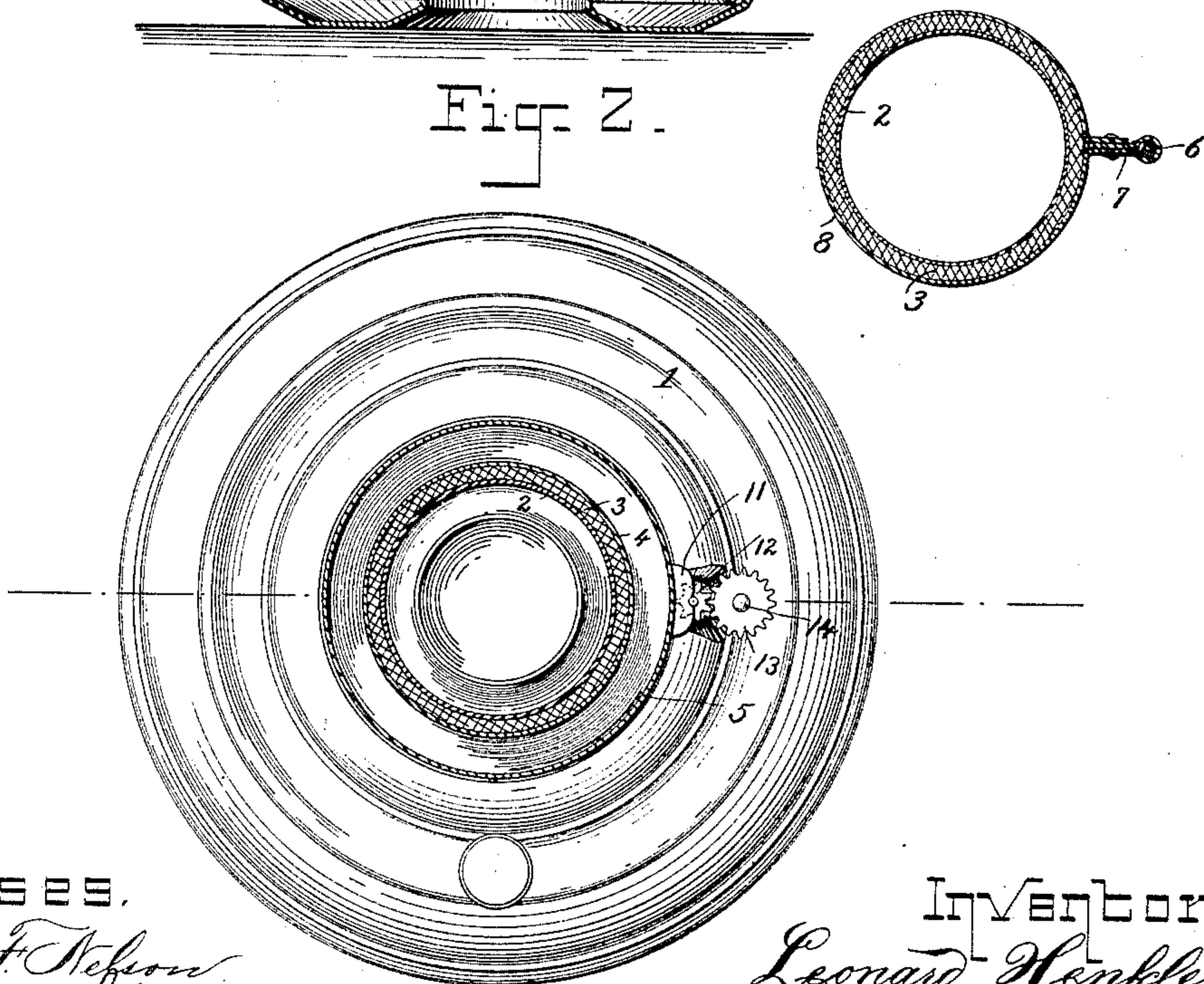


Fig. 3.

Fig. 2.



Witnesses.

*John F. Stearns*  
*W. E. Knight.*

INVENTOR  
*Leonard Henkle*  
BY *Knight Bros.*  
ATTORNEYS

(No Model.)

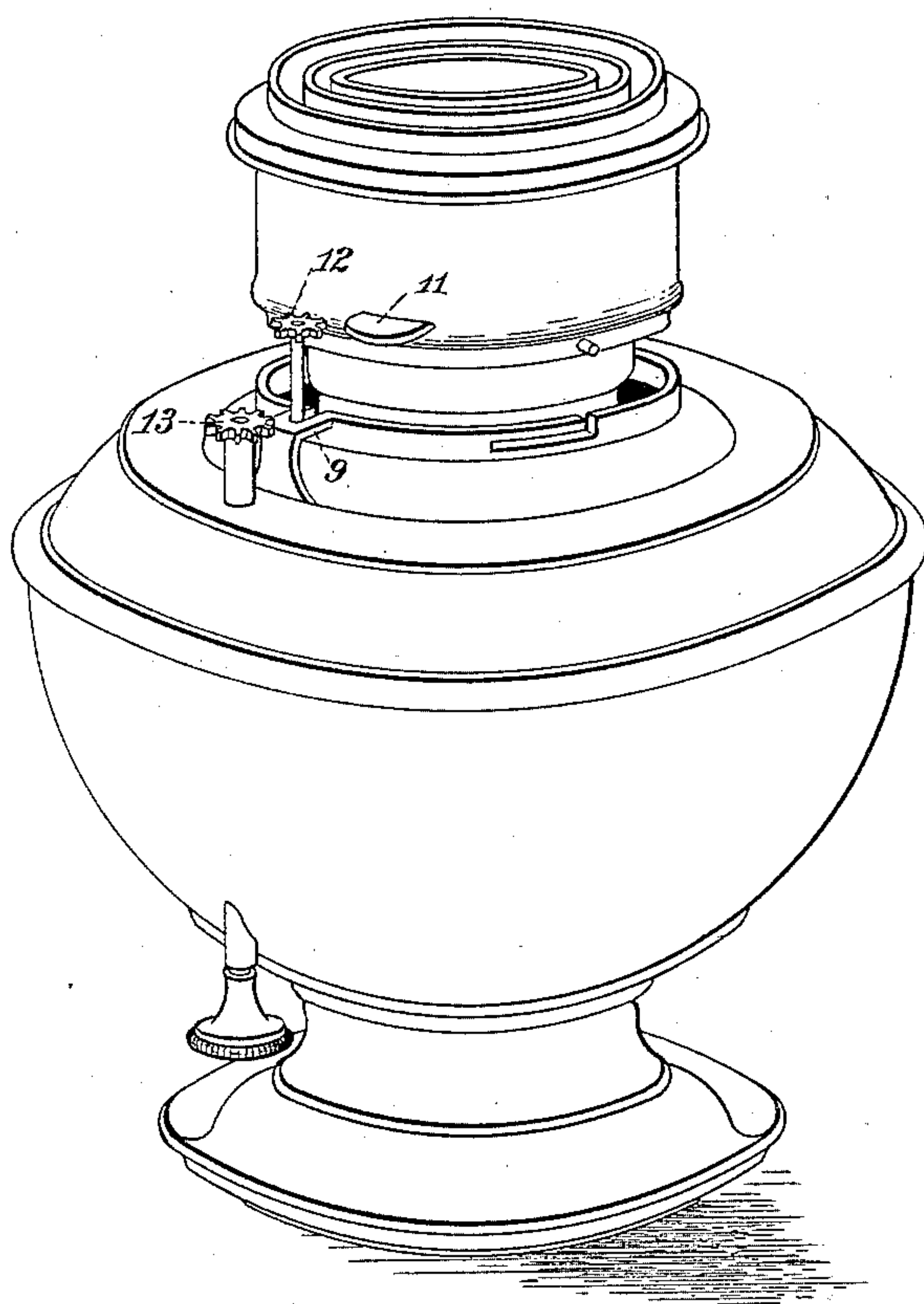
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FIG. 4.



*attest:*  
*Geo. T. Smallwood.*  
*Geo. E. Cruise.*

*Inventor:*  
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*by Knight Bros.*  
*attys:*



# UNITED STATES PATENT OFFICE.

LEONARD HENKLE, OF ROCHESTER, ASSIGNOR TO CHARLES STANFORD  
UPTON, OF NEW YORK, N. Y.

## WICK-RAISER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 398,725, dated February 26, 1889.

Application filed September 1, 1888. Serial No. 284,328. (No model.)

*To all whom it may concern:*

Be it known that I, LEONARD HENKLE, a citizen of the United States, residing at Rochester, county of Monroe, and State of New York, have invented certain new and useful Improvements in Wick-Raisers for Lamps, of which the following is a specification.

My present improvements relate to means for raising and lowering the wick of a lamp. In the accompanying drawings, Figure 1 is a vertical sectional view of a central-draft lamp of the "Rochester" pattern, to which I have shown my invention applied. The hollow removable thimble is not shown. Fig. 2 is a plan view of said lamp. Fig. 3 is a horizontal sectional view through the wick-ring. Fig. 4 is a perspective view of my improved lamp, the burner and draw-bar being raised slightly from their normal positions.

The bowl or fount 1 is shown provided with the customary central-draft tube, 2, which the wick 3 surrounds. The outer wall of the wick-chamber is made by the ring or cylinder 4, carried by the shell or case 5 of the burner, which forms a chimney-support. The latter is removably applied to the fount 1 by bayonet or similar joint.

6 is the wick-rod or draw-bar, screw-threaded at its lower part to enter a correspondingly-threaded hole in an arm, 7, of the wick-ring 8, which tightly clasps the wick. The tube 2 guides the wick and its ring in their vertical motion. The upper end of the "draw-bar" 6 has bearing at the outer end of a slot, 9, in the top of the fount, which slot opens into the central opening, 10, of the fount, so that the wick, wick-ring, and draw-bar can be removed together from the lamp. A projection or lip, 11, on the chimney-support 5, which turns to the right position over the slot in the top of the fount, when the chimney-support is turned so as to be locked in place, serves to hold the rod 6 out to its seat in the slot, as shown in the drawings. When, however, the shell or chimney-support 5 is re-

moved, leaving the slot open at its inner end, the rod 6 and its attachments may be withdrawn, as already described.

Near its top the rod 6 carries a toothed pinion, 12, gearing with a similar pinion, 13, on the upper end of a shaft, 14. Said shaft passes entirely through the fount and has cylindrical bearing therein, which prevents contact of the shaft with the oil of the lamp. The top of the bearing projects above the joint at 15 to support the shaft and pinion 13 in proper position. At the lower end the shaft bears a hand-nut, 16.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The combination of a lamp, the wick-ring and draw-bar, having screw-threaded connection, a shaft having bearing in the fount and geared to the upper end of the draw-bar by means of spur-wheels 13 14, and a shell or chimney-support having a lip or projection for holding the draw-bar in its bearing, substantially as set forth.

2. The combination of the fount having slot at top opening into the aperture 10 of the fount, the wick-raising draw-bar occupying said slot, and the shell or chimney-support having a lip or projection bearing against and holding the draw-bar laterally in its bearing, substantially as set forth.

3. The combination of the fount, draw-bar screwing into the wick-raiser, having bearing in the fount and provided with a collar for turning it, the shell or chimney-support, and a lip or projection on said shell or support bearing laterally against the draw-bar and downward on its collar, whereby it is held rigidly in place when turned for raising or lowering the wick, substantially as explained.

LEONARD HENKLE.

Witnesses:

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CH. B. WOLTERS.