

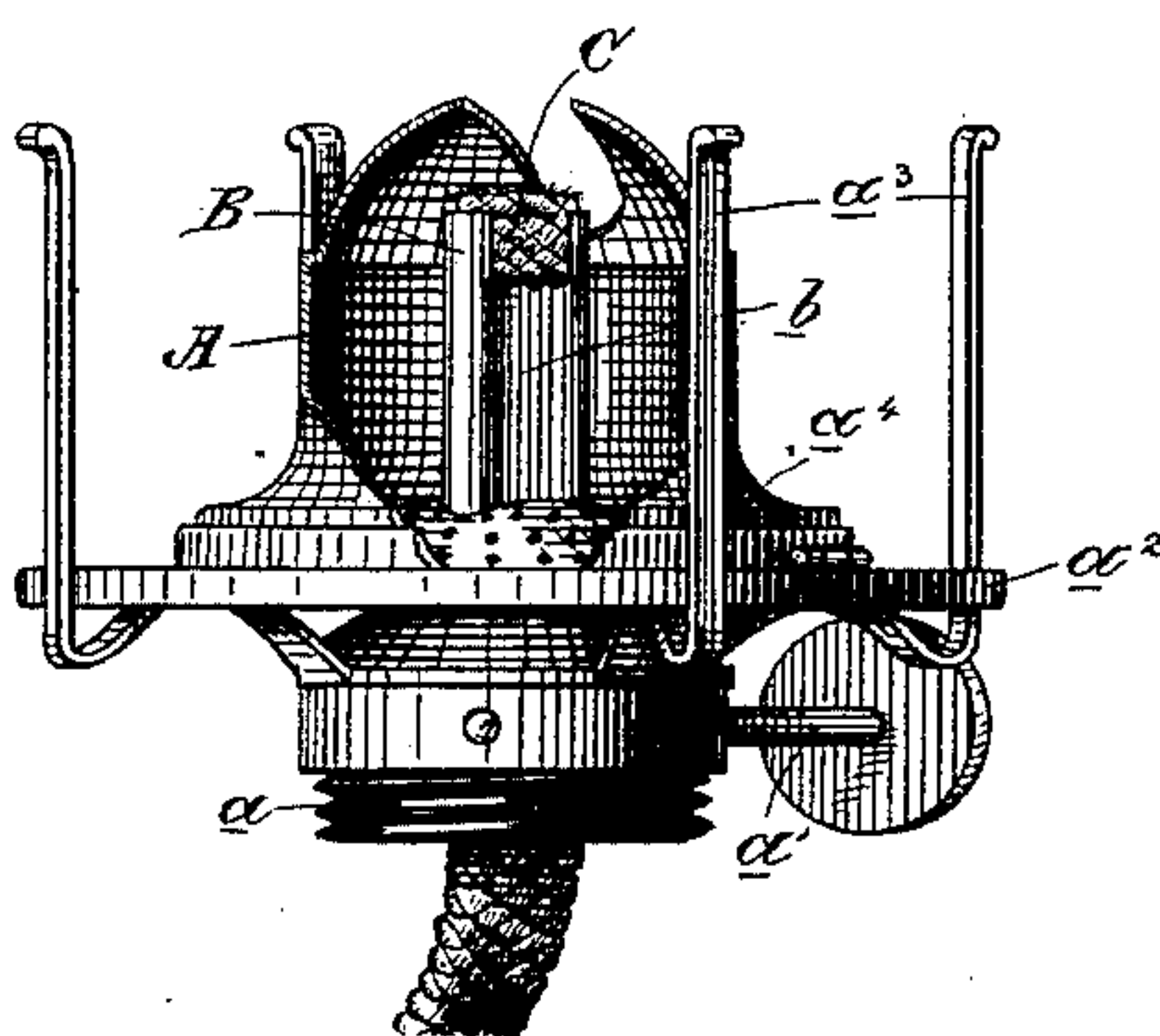
(No Model.)

L. ZANDER.  
LAMP BURNER.

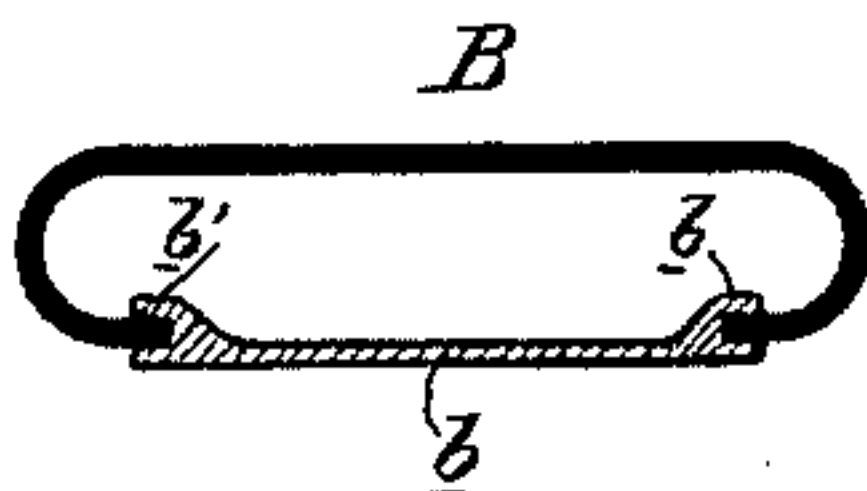
No. 424,666.

Patented Apr. 1, 1890.

*Fig. 1.*



*Fig. 2.*



Witnesses,  
Geo. H. Strong  
J. H. Nurse

Inventor,  
Louis Zander  
By Dewey & Co.  
attys

# UNITED STATES PATENT OFFICE.

LOUIS ZANDER, OF OAKLAND, CALIFORNIA.

## LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 424,666, dated April 1, 1890.

Application filed December 11, 1889. Serial No. 333,353. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS ZANDER, a citizen of the United States, residing at Oakland, Alameda county, State of California, have invented an Improvement in Lamp-Burners; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to the general class of lamp-burners; and it consists in the novel improvement in the wick-tube hereinafter fully described, and specifically pointed out in the claim.

The object of my invention is to provide a wick-tube into which the wick may be readily and easily inserted.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a view of a lamp-burner, a portion of the side being broken away to show the wick-tube and the upper portion of the slide-plate *b* being broken away to show the wick. Fig. 2 is a horizontal cross-section of the wick-tube.

A is an ordinary lamp-burner composed of the usual parts—namely, the threaded shank *a*, the ratchet-spindle *a'*, chimney-gallery *a''*, spring-arms *a'''*, and hinged cap *a''''*.

B is the wick-tube, located as usual. This tube, instead of being a complete hollow casing or shell, is formed with one open side, completed by a slide-plate *b*. The main portion of the tube forms one side, and the two ends being bent at its edges to form said ends. The movable portion or slide-plate *b* slips in between these bent edges and completes the tube.

The joint between the slide-plate and the main portion of the tube may be of any suit-

able character, though I have here shown a practical connection consisting of grooved flanges *b'* on the side edges of the slide-plate, which fit over the bent edges of the main portion, thus forming a complete and sufficiently tight joint, which insures the stability of the slide-plate, at the same time permitting its ready removal and insertion.

C is the wick.

When the wick is to be inserted, the slide-plate *b* is removed from the tube B, thereby exposing the open side of said tube. The wick is then inserted in the tube through its open side, the edges of the wick being readily pressed in past and under the bent edges of said tube. Then the slide-plate is put back, thus fully inclosing and confining the wick. This operation I find to be a much easier one than the usual process of forcing the wick through a complete tube and past its ratchet-wheels.

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

An improved wick-tube for lamps, consisting of a main portion forming one side and bent at its edges to form the ends and to form guides for the slide-plate, and an independent slide-plate fitted between the edges of the ends and having its ends grooved to receive the edges of the main portion, substantially as herein described.

In witness whereof I have hereunto set my hand.

LOUIS ZANDER.

Witnesses:

S. H. NOURSE,  
H. C. LEE.