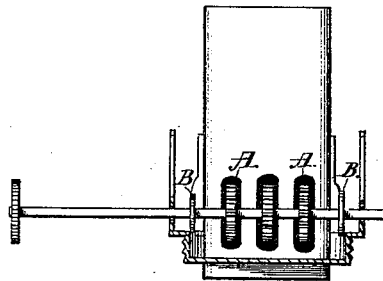


A. BARKER.  
Lamp-Burner.

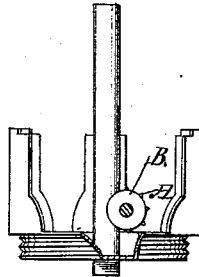
No. 166,493.

Patented Aug. 10, 1875.

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*M. J. Hanigan*  
*C. W. Rose*

*Inventor*

*Abel Barker*

# UNITED STATES PATENT OFFICE.

ABEL BARKER, OF WYOMING, PENNSYLVANIA.

## IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. **166,493**, dated August 10, 1875; application filed November 30, 1874.

*To all whom it may concern:*

Be it known that I, ABEL BARKER, of Wyoming, county of Luzerne and State of Pennsylvania, have invented a new and useful Improvement in Lamp-Burners.

The object of my invention is to prevent the oil from running out along the shaft on which the ratchets for lowering or raising the wick are placed; 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 drawing making a part of this specification, in which—

Figure 1 is a horizontal section, representing the shaft with the ratchets A A and the collars B B, by which the oil is prevented from running along the shaft to the outside of the cup or chamber inclosing the wick-tube, so that all the oil reaching the collars B B will fall inside of said cup or chamber, and be absorbed again by the wick. Fig. 2 is a vertical section of the same, showing the shaft and collars in place, in connection with the wick-tube and cup or chamber.

In constructing a lamp-burner with this im-

provement around any ratchet-shaft or contrivance for raising or lowering the wick, I place the collars B B to arrest the oil at that point, so that it will drop down inside of the cup or chamber. The collars B B may be small rings of rubber fitting the shaft tightly, or they may be metallic rings or collars made oil-tight on the shaft. By this arrangement all the oil running out on the shaft from the point where it comes in contact with the wick is arrested at the collars B B, and made to flow within the cup or chamber, there to be again absorbed by the wick, thus preventing any overflow on the outside of the lamp.

I do not claim the ratchet-shaft; but

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

The collars B B, in combination with and moving with the ratchet-shaft and cup or chamber inclosing the wick-tube, substantially as and for the purpose set forth.

ABEL BARKER.

Witnesses:

M. J. FLANIGAN,  
C. W. ROESLER, Jr.