

No. 826,677.

PATENTED JULY 24, 1906.

R. H. MAPLE.  
LAMP BURNER.  
APPLICATION FILED DEC. 1, 1904.

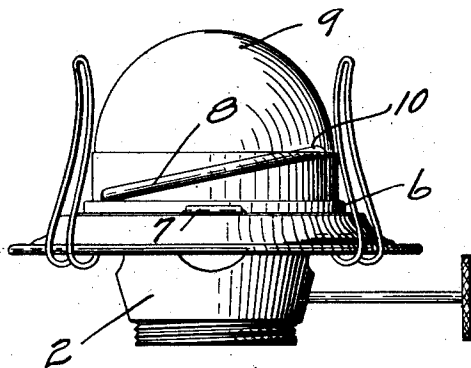


FIG. 1.

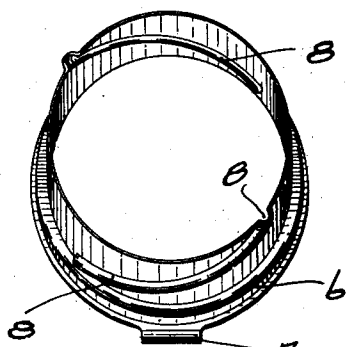


FIG. 2.

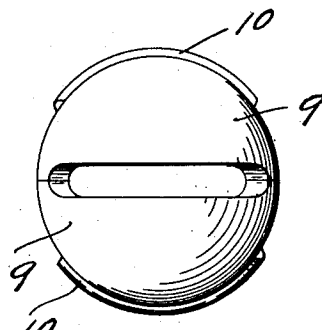


FIG. 3.

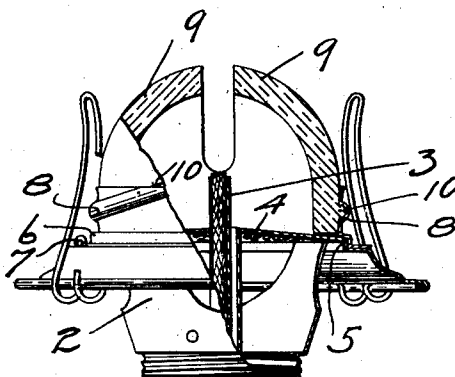


FIG. 4.

WITNESSES  
*M. M. Davis*  
*O. G. Hanson.*

INVENTOR  
ROY H. MAPLE  
BY *Paul & Paul*  
HIS ATTORNEYS

# UNITED STATES PATENT OFFICE.

ROY H. MAPLE, OF MINNEAPOLIS, MINNESOTA.

## LAMP-BURNER.

No. 826,677.

Specification of Letters Patent.

Patented July 24, 1906.

Application filed December 1, 1904. Serial No. 234,985.

*To all whom it may concern:*

Be it known that I, ROY H. MAPLE, of Minneapolis, Hennepin county, Minnesota, have invented certain new and useful Improvements in Lamp-Burners, of which the following is a specification.

The object of my invention is to provide means for securing a glass cone to a burner to the end that the parts can be easily and quickly put together and no fine adjustment will be required to place the flame-opening of the cone in proper position with respect to the wick-tube.

A further object is to provide a securing means which will prevent the accidental displacement of the cone when the burner is in use.

The invention consists generally in various constructions and combinations, all as hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of a burner embodying my invention. Fig. 2 is a perspective view of the hinged ring by means of which the cone is secured to the burner. Fig. 3 is a plan view of the cone. Fig. 4 is a vertical section through one side of the cone and burner.

In the drawings, 2 represents a burner having a wick-tube 3 of ordinary construction and a perforated plate 4, provided with a shoulder 5. An upright ring or annular flange 6 is hinged at 7 on the burner and is adapted to snap down around the shoulder 5, as usual in burners of this kind. The flange is provided with two spirally-arranged grooves 8, one on each side of the burner and extending in opposite directions and open at the top and continuing around the flange to a point near its lower edge. A glass cone 9, preferably made in two pieces and having a flame-opening to coincide with the wick-tube, is provided on its opposite sides with spirally-arranged ribs or threads 10, that are adapted to enter into the grooves 8 and slide to the bottom thereof when the cone is rotated and hold it securely within the flange. The grooves are arranged to terminate at a point that will insure the coincidence of the flame-opening with the wick-tube. No attention, therefore, will be required on the part of the person fitting the burner for use to see that the cone is properly adjusted with respect to the tube, it being merely necessary to place

the two sections of the cone together and shove them into the flange, where the cone will be held against accidental movement either in a vertical or horizontal direction.

This method of mounting the cone on the burner is an extremely simple one. No accurate fitting is necessary, and it will be immaterial whether the base of the cone fits snugly within the flange or not. It will be securely held by the engagement of the threads with the grooves, and accidental displacement will be prevented.

I claim as my invention—

1. The combination with a burner having a wick-tube and a suitable base-plate inclosing the same, and an upright annular flange mounted on said base-plate and inclosing said tube and having grooves extending obliquely thereon from the top toward the bottom thereof, said grooves being upon opposite sides of said wick-tube and the upper end of one groove being opposite the lower end of the other groove, of a glass cone having ribs on its outer surface extending diagonally thereon from the base toward the top thereof and being adapted to enter the grooves in said flange and allow the rotation of said cone therein, and said cone having a flame-opening arranged to coincide with said wick-tube when said ribs are moved to the lower ends of said grooves, substantially as described.

2. The combination with a burner having a wick-tube, of an upright annular flange hinged to the base of said burner and inclosing said wick-tube and fitting snugly on said base around said tube and having grooves extending from the upper part of said flange diagonally thereof toward the base of said burner, of a glass cone fitting within said flange and resting upon said burner, said cone having diagonally-arranged ribs adapted to enter said grooves and allow the rotation of said cone within said flange until the lower edge of said cone contacts with the base of the burner, and said cone having a flame-opening adapted to coincide with said wick-tube when the lower edge of said cone engages said burner, substantially as described.

In witness whereof I have hereunto set my hand this 11th day of November, 1904.

ROY H. MAPLE.

Witnesses:

RICHARD PAUL,  
C. G. HANSON.