

J. CURZON.  
Lamp-Burner.

No. 160,577.

Patented March 9, 1875.

Fig. 1.

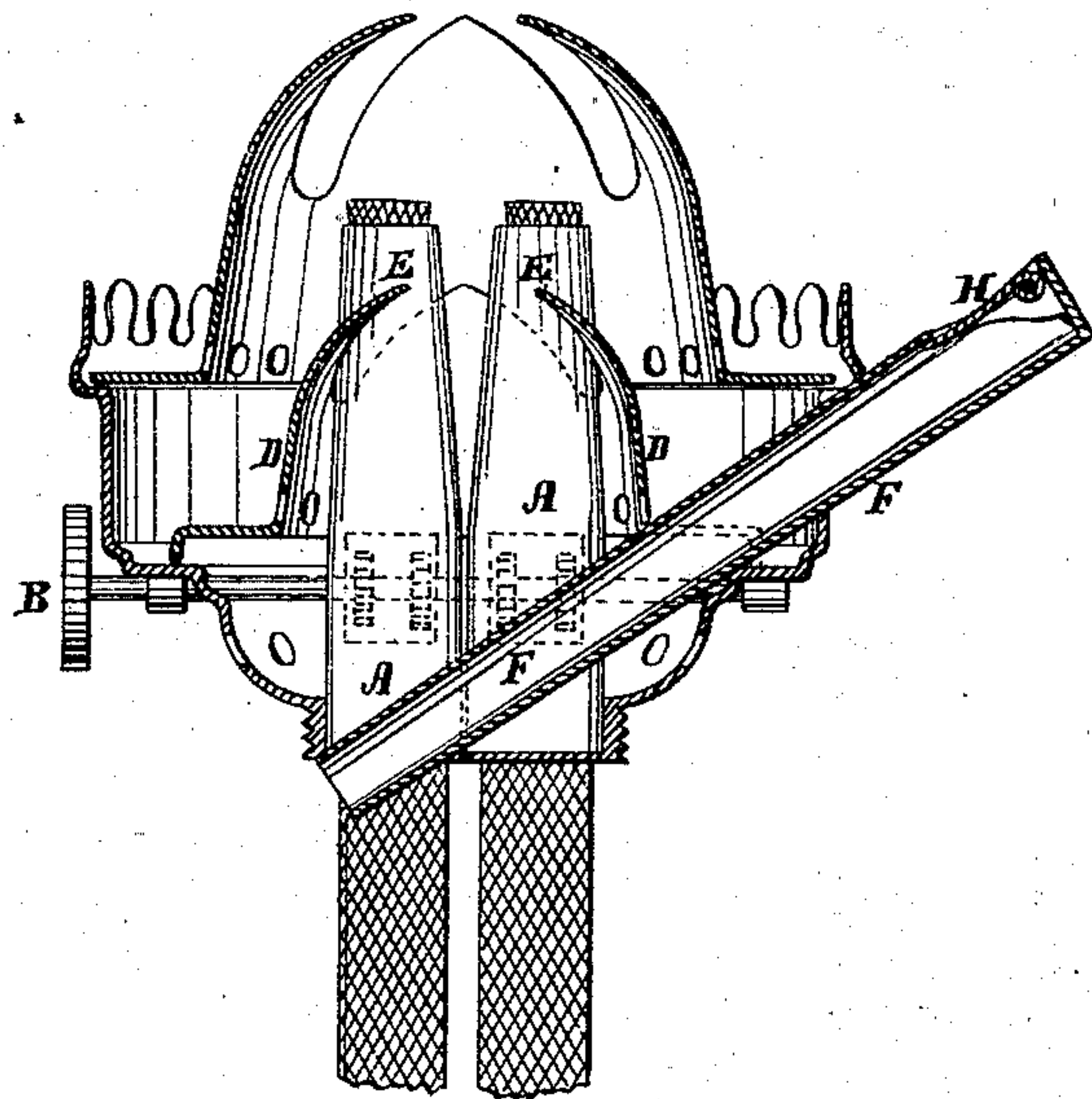
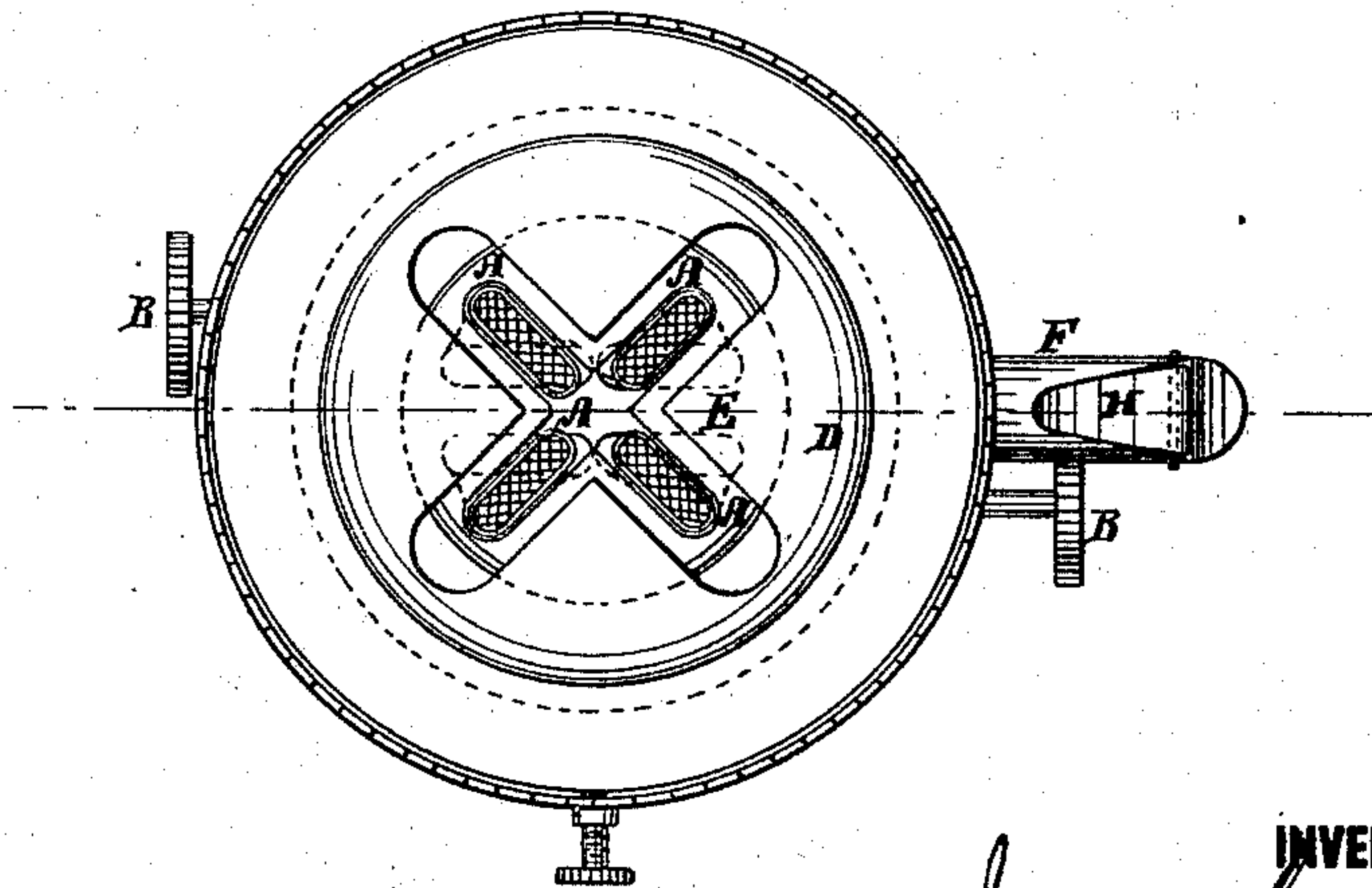


Fig. 2.



WITNESSES:

*A. Bennekenhoff.*  
*A. F. Terry*

INVENTOR:

*James Curzon*  
BY *Mumtaz*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JAMES CURZON, OF DARIEN, CONNECTICUT.

## IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. **160,577**, dated March 9, 1875; application filed January 25, 1875.

*To all whom it may concern:*

Be it known that I, JAMES CURZON, of Darien, in the county of Fairfield and State of Connecticut, have invented a new and Improved Lamp, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claims.

Figure 1 is a sectional elevation of my improved burner. Fig. 2 is a top view.

Similar letters of reference indicate corresponding parts.

A represents the flat wick-tubes, of which there are four in this example, which are arranged at the base in two parallel planes, so that the wick may be raised and lowered by straight parallel ratchets, B, which, in practice, will be geared together, but may be worked separately, if preferred. These tubes coil or twist from the ratchets upward to the top, so that they are radial to a common center thereat, and thus expose both the wide sides of all the flames to view, so that none of their illuminating power is lost by being spent on another flame, as when two flames are used side by side, or a circular flame is used. This radial arrangement has been produced before by two angle flames placed side by side, but there was a certain loss of effect in the flame, due

to the continuation of it around the angle. Moreover, by having separate tubes with a little space between the inner edges, or at the inner angles, a better circulation of air is secured there, by which the combustion and illumination are better. D represents the cone, which I arrange below the top of the tubes to draw the air into the angles by these points E. F represents the filling-tube, which I attach to the burner, so as not to interfere in any way with its connection with the lamp, and provide with a spring-closing door or valve, H, to be opened by pressure on it by the nozzle of the can, and to close self-actingly when the nozzle is taken away.

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

1. The combination, with a lamp-burner, of a feed-tube, F, having spring-valve H, arranged as and for the purpose described.

2. The combination of radial slotted tubes A, twisted into alignment at the lower end, with a single ratchet-bar or wick-raiser, as and for the purpose specified.

JAMES CURZON.

Witnesses:

IRA SCOFIELD,  
JAMES H. CURZON.