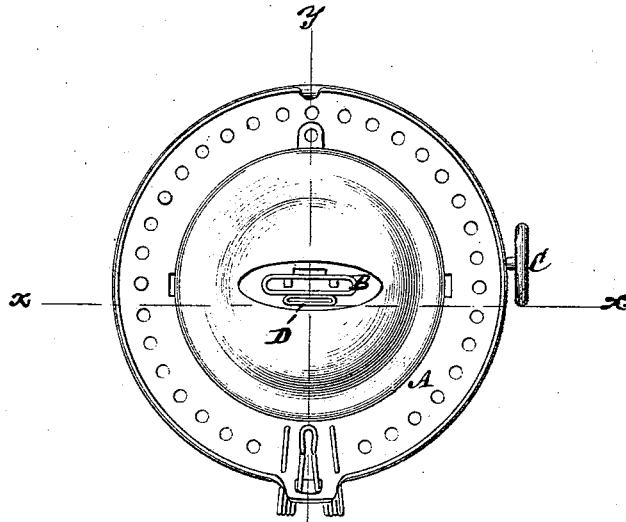


S. R. WILMOT.  
Lamp-Burner.

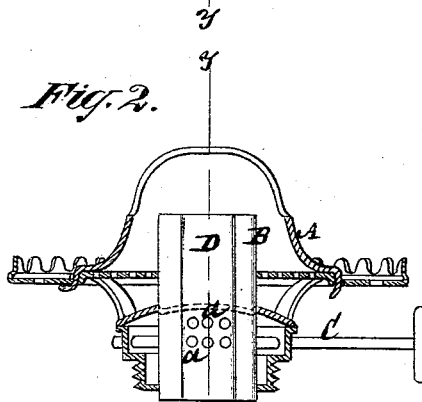
No. 166,670.

Patented Aug. 10, 1875.

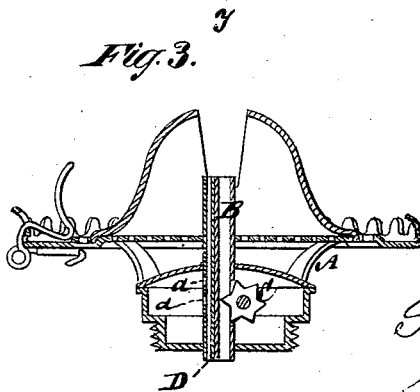
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses  
*John Becker.*  
*Fred Haynes*

*S. R. Wilmot*  
*by his Attorneys*  
*Prown & Allen*

# UNITED STATES PATENT OFFICE.

SAMUEL R. WILMOT, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO  
BRIDGEPORT BRASS COMPANY, OF SAME PLACE.

## IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. **166,670**, dated August 10, 1875; application filed  
July 24, 1875.

*To all whom it may concern:*

Be it known that I, SAMUEL R. WILMOT, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a certain new and useful Improvement in Lamp-Burners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, which forms part of this specification.

This invention relates to burners of lamps using kerosene or other explosive fluids, and in which it is usual to provide a gas or vent tube from the body of the lamp, to carry off the gas forming therein.

The invention consists in a novel construction and attachment or arrangement of the gas or vent tube, whereby simplicity and economy are combined with efficiency in the use of the same.

Figure 1 represents a plan of a lamp-burner having my improvement applied; Fig. 2, a transverse vertical section of the same on the line *x x*; and Fig. 3, a further transverse vertical section on the line *y y*.

A is the burner top or cap, which may be of the usual or any suitable construction; B, the wick-tube, and C the wick-adjuster. D is the gas or vent tube, made to extend from or

near the bottom of the burner to or near the top of the wick-tube, and provided with openings or vents—as, for instance, at *a a*, intermediately between the top and bottom of said tube—for the purpose of allowing atmospheric air to mingle with the gas escaping from the body of the lamp while said gas is passing up to the point of combustion, and assisting in the combustion of the gas by the flame. This gas or vent tube may be of flattened construction, like the wick-tube, and be made to lie close against the side of the latter, whereby it takes up little or no room; also, is cheaply constructed, and is supported by the wick-tube without interfering at all with the latter.

I claim—

A lamp-burner provided with a gas or vent tube extending from or near the bottom of the burner to or near to the top of the wick-tube, and having one or more air openings or vents intermediately between its top and bottom, substantially as and for the purpose herein set forth.

S. R. WILMOT.

Witnesses:

D. W. KISSAM,  
N. M. BEACH, Jr.