

No. 656,235.

Patented Aug. 21, 1900.

F. T. WILLIAMS.
LAMP BURNER.

(Application filed June 14, 1900.)

(No Model.)

Fig. 1.

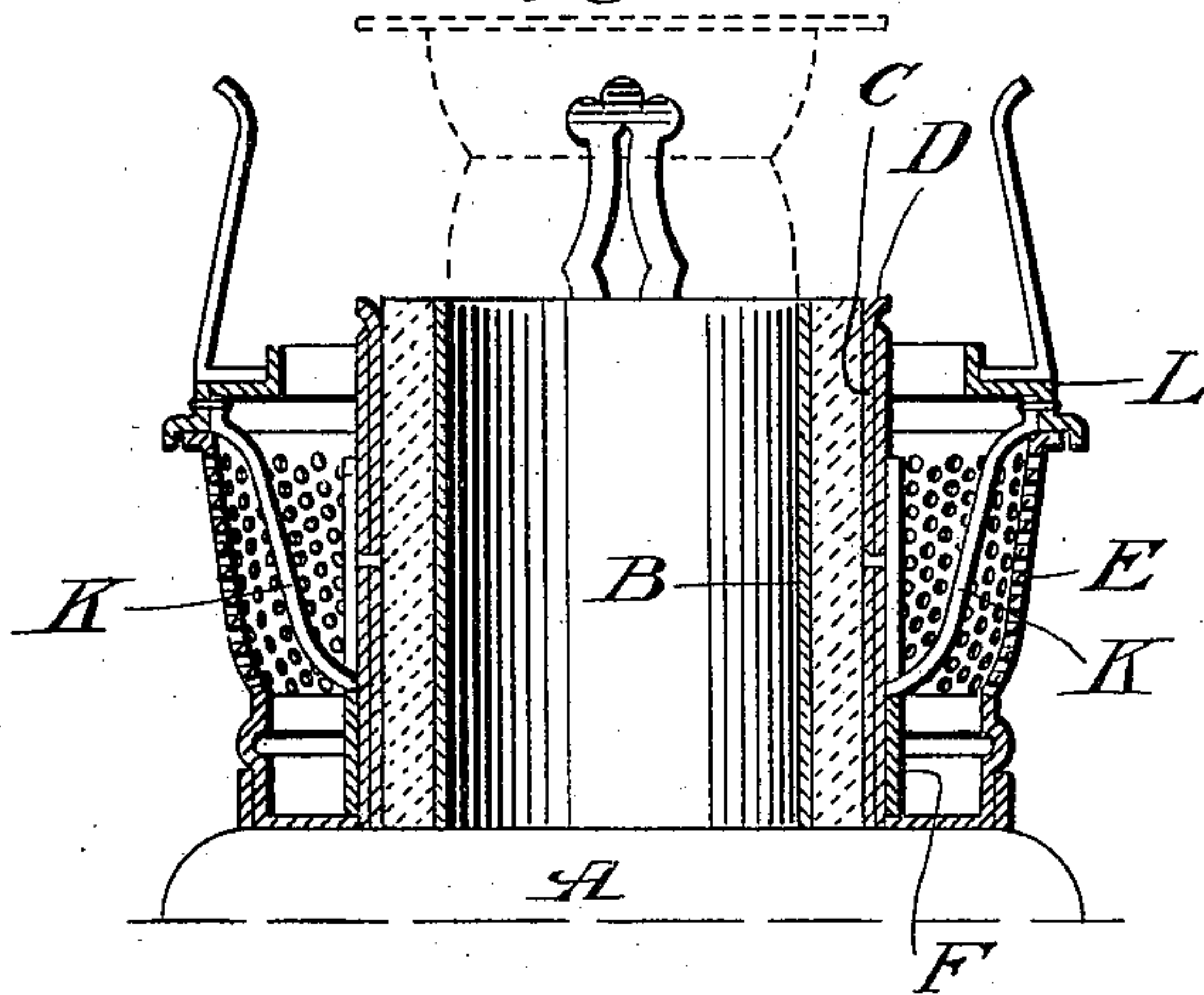
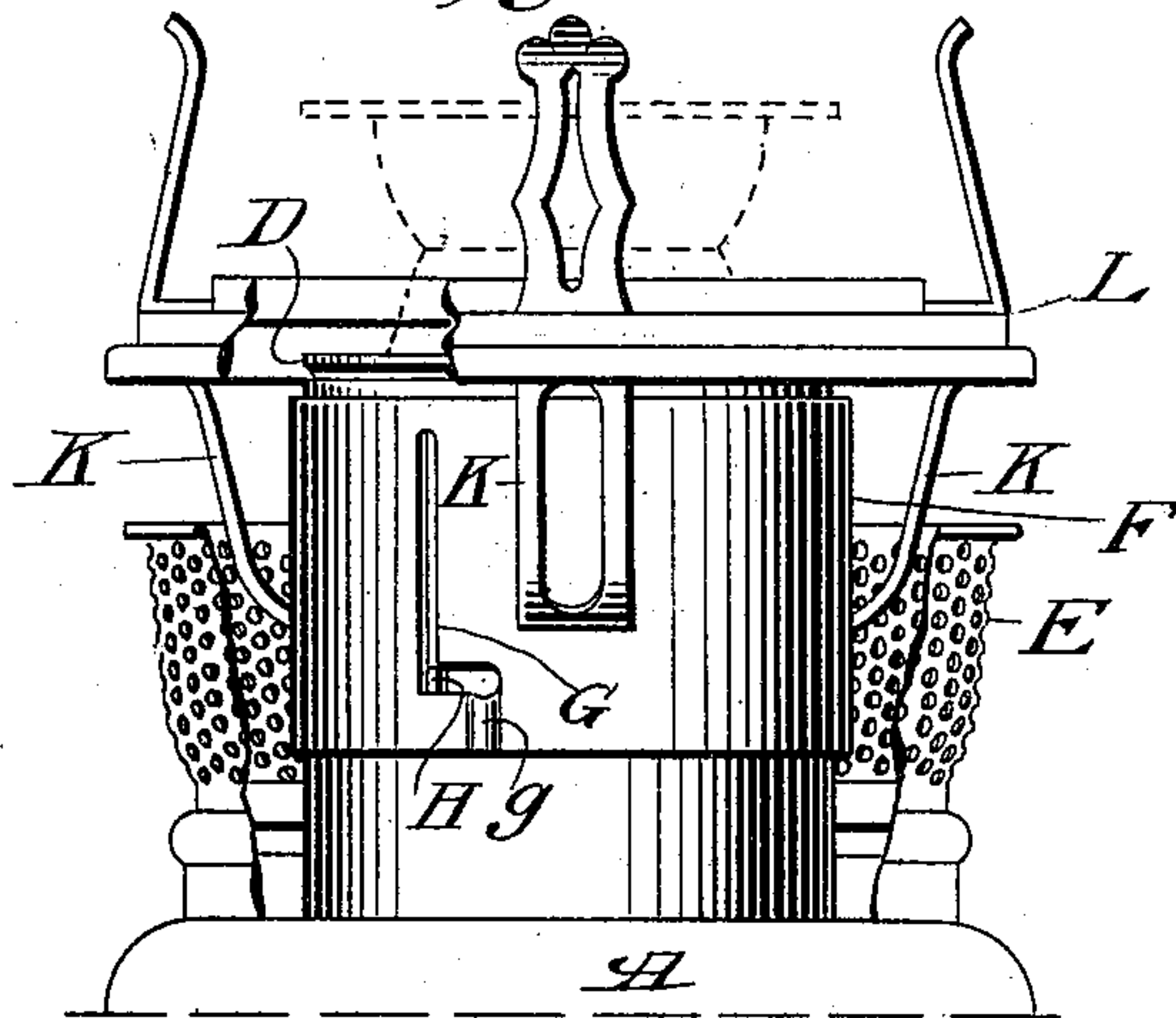


Fig. 2.



WITNESSES:

George J. Hackley.
L. Vreeland.

INVENTOR

Frank T. Williams.

BY

R. C. Mitchell.
ATTORNEY

UNITED STATES PATENT OFFICE.

FRANK THEODORE WILLIAMS, OF MERIDEN, CONNECTICUT, ASSIGNOR TO
THE EDWARD MILLER & COMPANY, OF CONNECTICUT.

LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 656,235, dated August 21, 1900.

Application filed June 14, 1900. Serial No. 20,291. (No model.)

To all whom it may concern:

Be it known that I, FRANK THEODORE WILLIAMS, a citizen of the United States, residing at Meriden, New Haven county, Connecticut, have invented certain new and useful Improvements in Lamp-Burners, of which the following is a full, clear, and exact description.

My invention relates to lamp-burners; and it consists of the novel construction and arrangement of the parts hereinafter described and claimed.

One of the objects is to provide a lamp-burner which shall prevent flickering of the flame and also allow raising of the chimney-gallery to permit the insertion of a match for lighting the wick.

In the drawings which show the preferred embodiment of my invention, Figure 1 represents a central sectional view of a central-draft-lamp burner, to which my improvement has been applied, the parts being in their normal operative position. Fig. 2 represents a side elevation of the same burner with the parts in their raised position ready for lighting.

In the above-preferred embodiment A is the fount of a lamp; B the inner, and C the outer, wick-tube.

D is a stationary flange turned outwardly from said wick-tube and located with its upper edge approximately on the same level with said outer wick-tube C. As air enters through the perforated skirt E it will strike this outwardly-turned flange and be directed away from the base of the flame, which will in a great measure prevent the flickering of the flame, particularly when the wick is first lighted.

F is a tube which is slidable up and down outside of the wick-tube and is also removable in a vertical direction, the same passing over—that is, outside of the flange. As shown in Fig. 2, to hold the parts in the raised position and to allow for the removal of the slidable tube I have provided a bayonet-joint between the slidable tube and the stationary portion, which in this embodiment is in the

form of an irregular slot or depression G in the slidable tube and a lug H on the stationary part.

K K are arms integral with the slidable tube F and supporting the chimney-gallery L.

When it is desirable to light the lamp, the chimney-gallery may be grasped by the fingers and raised, thus raising the slidable tube, the lug H sliding in the slot G until it reaches the position shown in Fig. 2, when a partial turn may be given to the slidable tube, which will bring the lug H underneath the shoulder, and the tube and gallery will be held in their raised position. (Shown in Fig. 2.) A match may then be inserted between the upper end of the skirt E and the chimney-gallery to light the wick.

When it is desired to clean the parts, the slidable tube and gallery may be removed by turning the slidable tube until the lug G comes into an outward depression g, which will allow the slidable tube to move upwardly over the flange D.

While in the drawings I have shown my invention applied to a central-draft burner, it is obvious that it may be applied to other kinds of burners.

It will be obvious that many variations may be made in the construction herein disclosed without departing from the spirit of my invention.

What I claim is—

1. In a lamp-burner in combination, a wick-tube adapted to surround a wick, a stationary flange turned outwardly from said wick-tube to direct the air-supply away from the base of the flame, a tube slidable up and down outside of said wick tube and flange, and a chimney-gallery carried by said slidable tube.

2. In a lamp-burner in combination, a wick-tube adapted to surround a wick, a stationary flange turned outwardly from said wick-tube to direct the air-supply away from the base of the flame, a tube slidable up and down outside of said wick-tube and removable therefrom over said flange, and a chimney-gallery carried by said slidable tube.

3. In a lamp-burner in combination, a wick-
tube adapted to surround a wick, a station-
ary flange turned outwardly from said wick-
tube to direct the air-supply away from the
5 base of the flame, a tube slidable up and
down outside of said wick-tube and remov-
able therefrom over said flange, a chimney-
gallery carried by said slidable tube, and

means to hold said slidable tube and gallery
in a raised position. 10

Signed at Meriden, Connecticut, this 9th
day of June, 1900.

FRANK THEODORE WILLIAMS.

Witnesses:

CLAUDE V. SUTLIFFE,
ETHEL A. VANCE.