

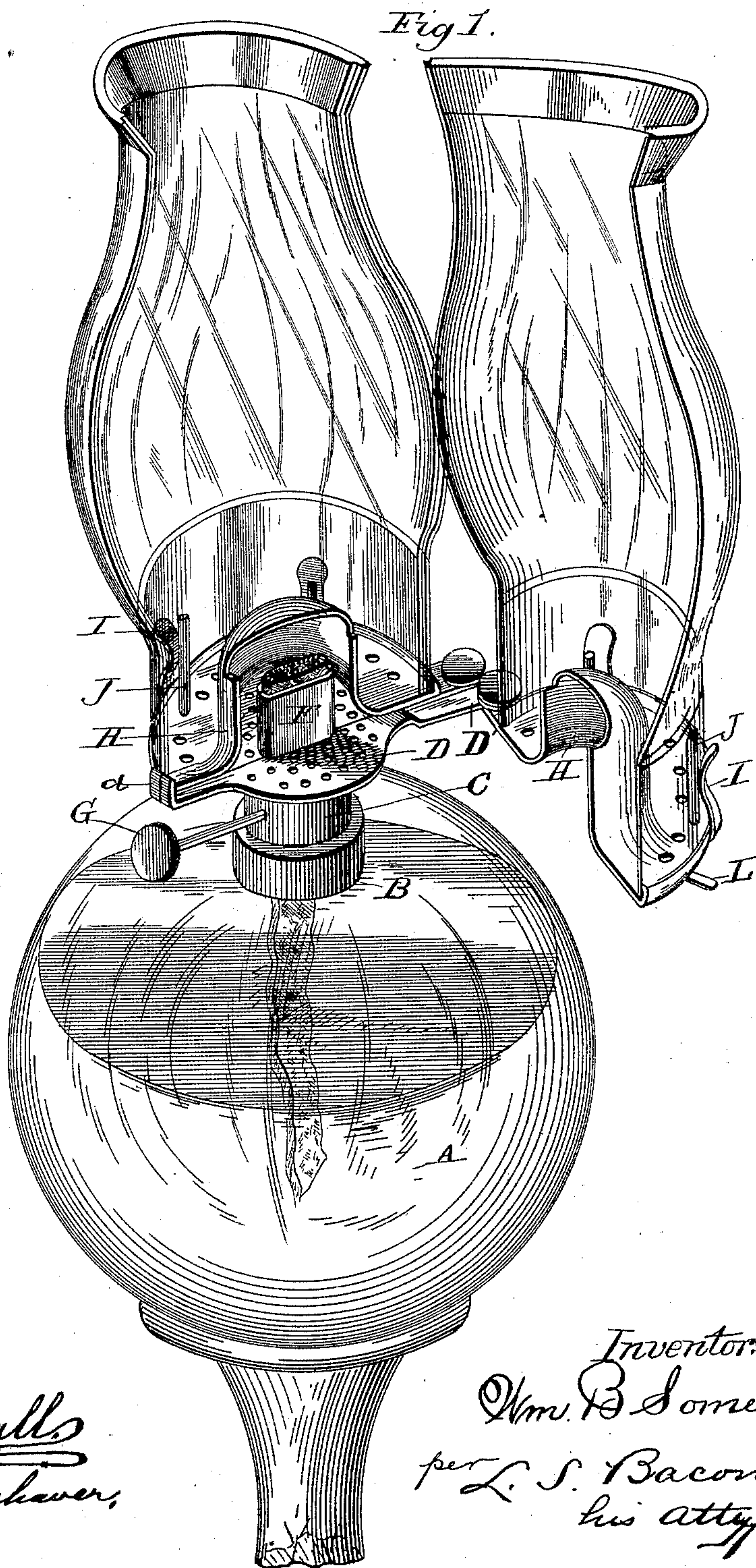
(No Model.)

2 Sheets—Sheet 1.

W. B. SOMERS.
LAMP BURNER.

No. 441,987.

Patented Dec. 2, 1890.



Witnesses:

Fred Cornwall
G. M. Eschbacher

Inventor:

Wm. B. Somers
per *L. S. Bacon*
his atty

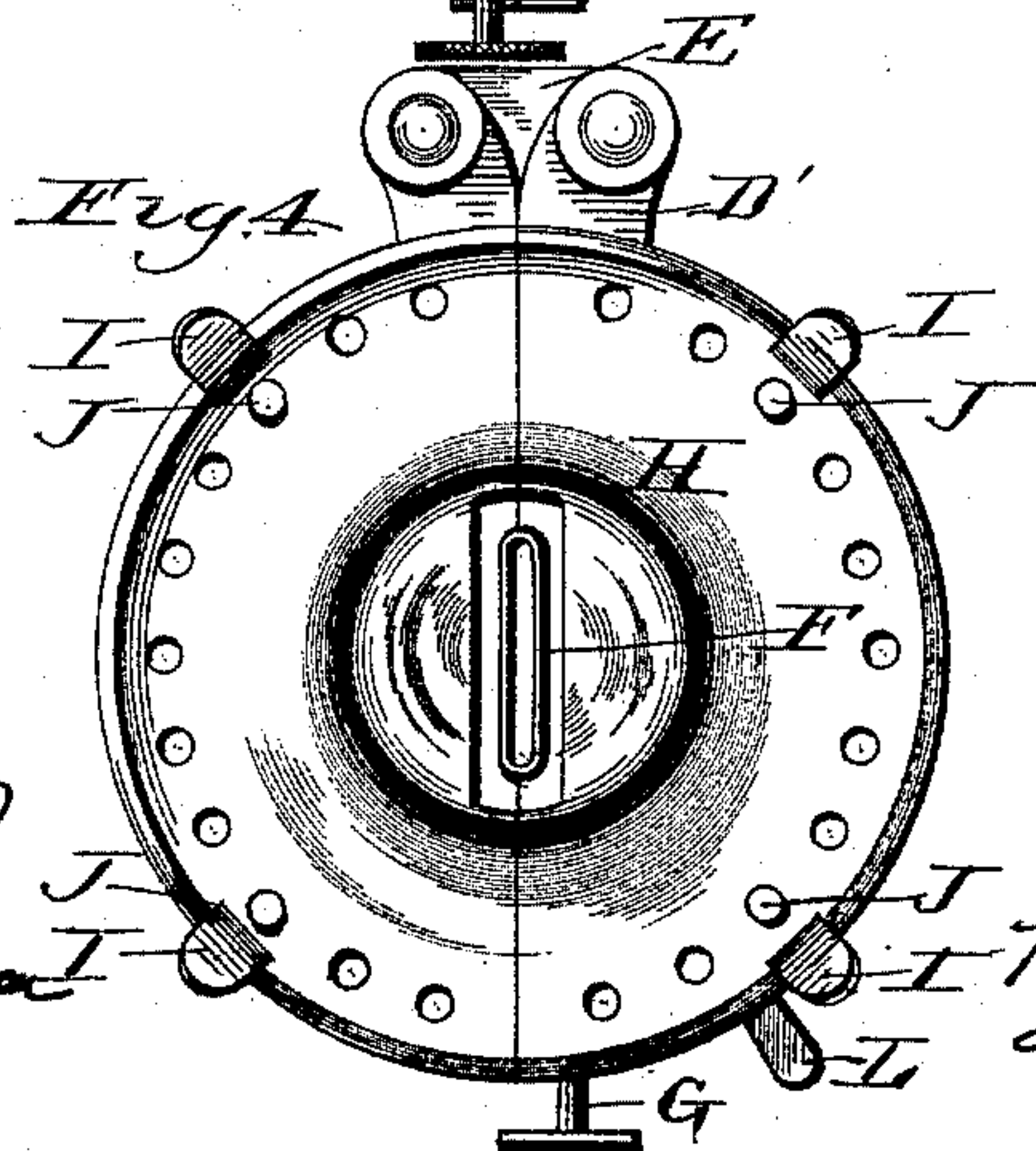
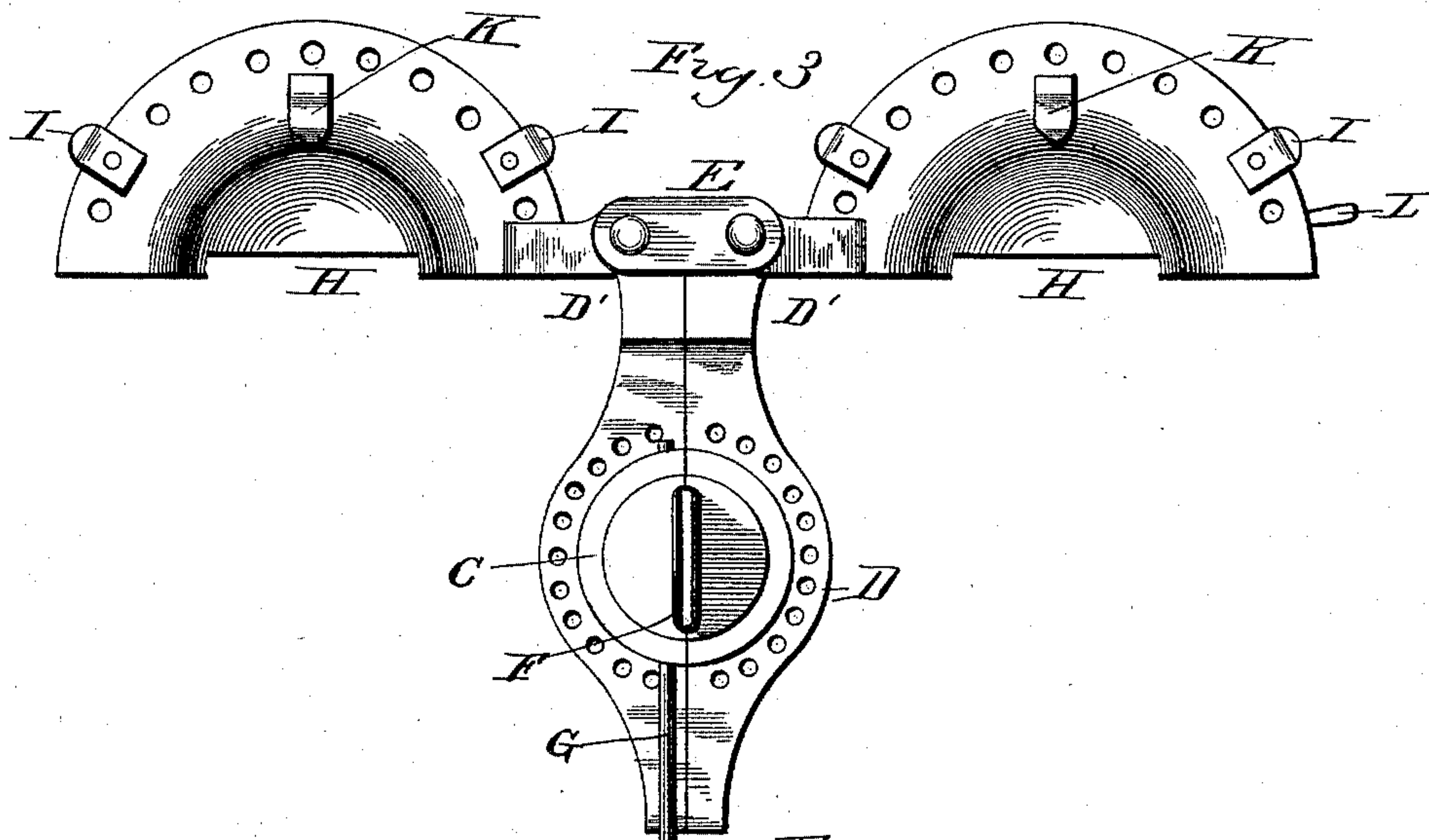
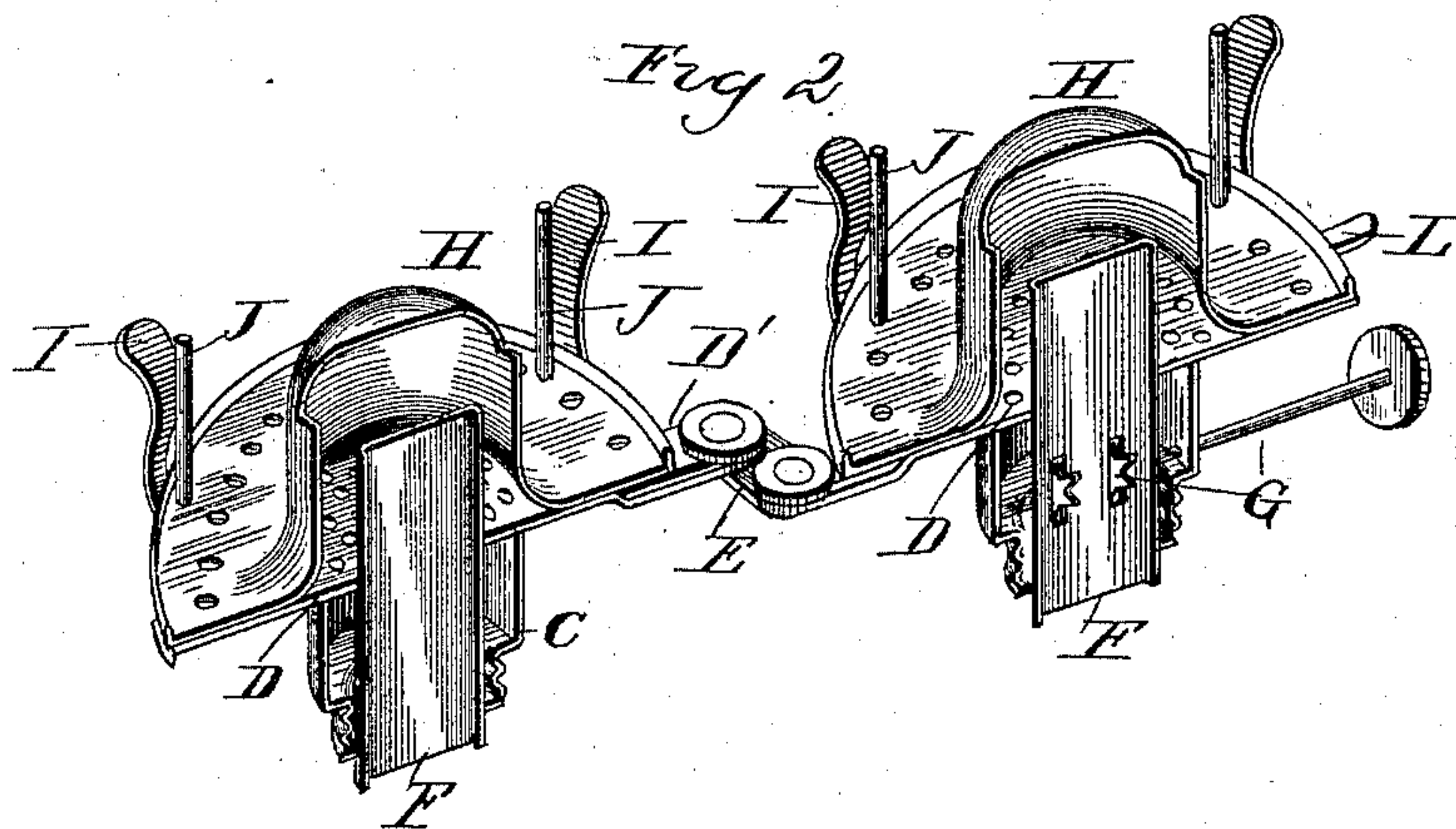
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J. M. Copenhagen

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UNITED STATES PATENT OFFICE.

WILLIAM B. SOMERS, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR
OF ONE-HALF TO JOHN M. HILL, OF ALEXANDRIA, VIRGINIA.

LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 441,987, dated December 2, 1890.

Application filed November 26, 1889. Serial No. 331,634. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. SOMERS, a citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Lamp-Burners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in lamp-burners; and it consists in the construction and arrangement of parts more fully hereinafter described and claimed.

The object of my invention is to provide a burner for lamps which will embody structural simplicity and arranged so that the parts are easily accessible, so that the wick may be placed in the proper position and trimmed with but little trouble.

A further object of my invention is to provide a burner which will be especially adapted to divided chimneys.

I attain these objects by the construction illustrated in the accompanying drawings, wherein like letters of reference indicate corresponding parts, and in which—

Figure 1 is a perspective view of my improved burner, showing the burner open and the divided chimney. Fig. 2 is a perspective view of the burner open ready to receive the wick. Fig. 3 is a bottom plan open; and Fig. 4 is a top plan view.

In the drawings, A represents the body of a lamp, and B the collar in which the burner is secured. The burner consists of a metallic threaded supporting-cylinder C, which is divided centrally and adapted to screw into the collar of the lamp. On this cylinder is supported a perforated air-plate D, which is also divided centrally and rigidly secured to the cylinder. This plate is constructed with rearwardly-extending arms D', which are connected at their outer ends by a hinge-plate or link E. The opposite side of the plate D is also extended and provided with a spring-catch *d*. Secured to this plate *d* and the cylinder C and extending below the latter is the wick-tube F, which is also divided centrally.

G represents the wick-raiser, which is of well-known construction.

On the top of the perforated plate D is placed the chimney-cone H, which is also divided centrally and has two ears—one on each part—directly over the hinged portion of the plate D, to which they are respectively pivoted, so that they may be swung independently back and forth.

On the outer edge of the burner-cone are placed the chimney-guards I. Adjacent to these guards are placed vertical pins J, which retain the chimney in place. The edge of the chimney-cone is struck up and bent inward to form a flange, beneath which the beading of the chimney is placed.

The chimney, as shown in Fig. 1, is divided centrally and formed with a beading on its lower edge and with tongues on its inner and outer edges, respectively.

On the under side of the burner-cone are placed guides K, which when the cone is adjusted in place fit beneath the plate D and assist in giving rigidity to the burner.

L is a thumb-piece extending out from the cone to enable it to be quickly separated.

The operation of my invention is as follows: When it is desired to place the wick in the wick-tube, the burner is detached and opened, as in Fig. 2. The wick is then placed in the tube and the latter closed and screwed into the collar of the lamp, which holds the same tightly in place. When it is desired to gain access to the end of the wick, it is only necessary to swing the parts of the cone back, as shown in Fig. 3, which exposes the plate D, permitting it to be readily cleaned of all dirt or trimmings. The halves of the cone are then brought together and are there held by the spring *d*, which engages with notches in their periphery. The divided chimney is placed in the cone by first inserting its edge under the flange of the cone and turning it until it is in position.

I am aware that many minor changes may be made in the construction and arrangement of the parts of my device and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

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

1. In a lamp-burner, the combination, with the divided cylinder C, the perforated divided air-plate D on the cylinder, the rearwardly-extending arms D' on the plate, a hinged plate E, uniting the ends of the arms, of a divided cone arranged to receive and support a suitable divided chimney, parallel ears extending out from the respective portions of the cone directly over and pivoted to the arms on the plate, and a divided wick-tube, substantially as described.

2. In a lamp-burner, the combination, with the wick-tube and perforated plate, of a divided chimney-supporting cone having parallel rearwardly-extending arms and a hinged link connecting the arms, whereby the divided portions of the cone may be moved back horizontally independent of each other, substantially as described.

3. The combination, with a divided chimney having a beaded lower edge, a cylinder, and plate, of a divided cone having a struck-up outer rim bent to receive the beaded edge of the chimney, and vertical chimney-guards inside the rim, substantially as described.

4. A lamp-burner consisting of a divided wick-tube plate and cone hinged together adjacent to their meeting edges and having their respective portions arranged to move horizontally and independent of each other, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM B. SOMERS.

Witnesses:

L. S. BACON,

FRED. R. CORNWALL.