

No. 750,844.

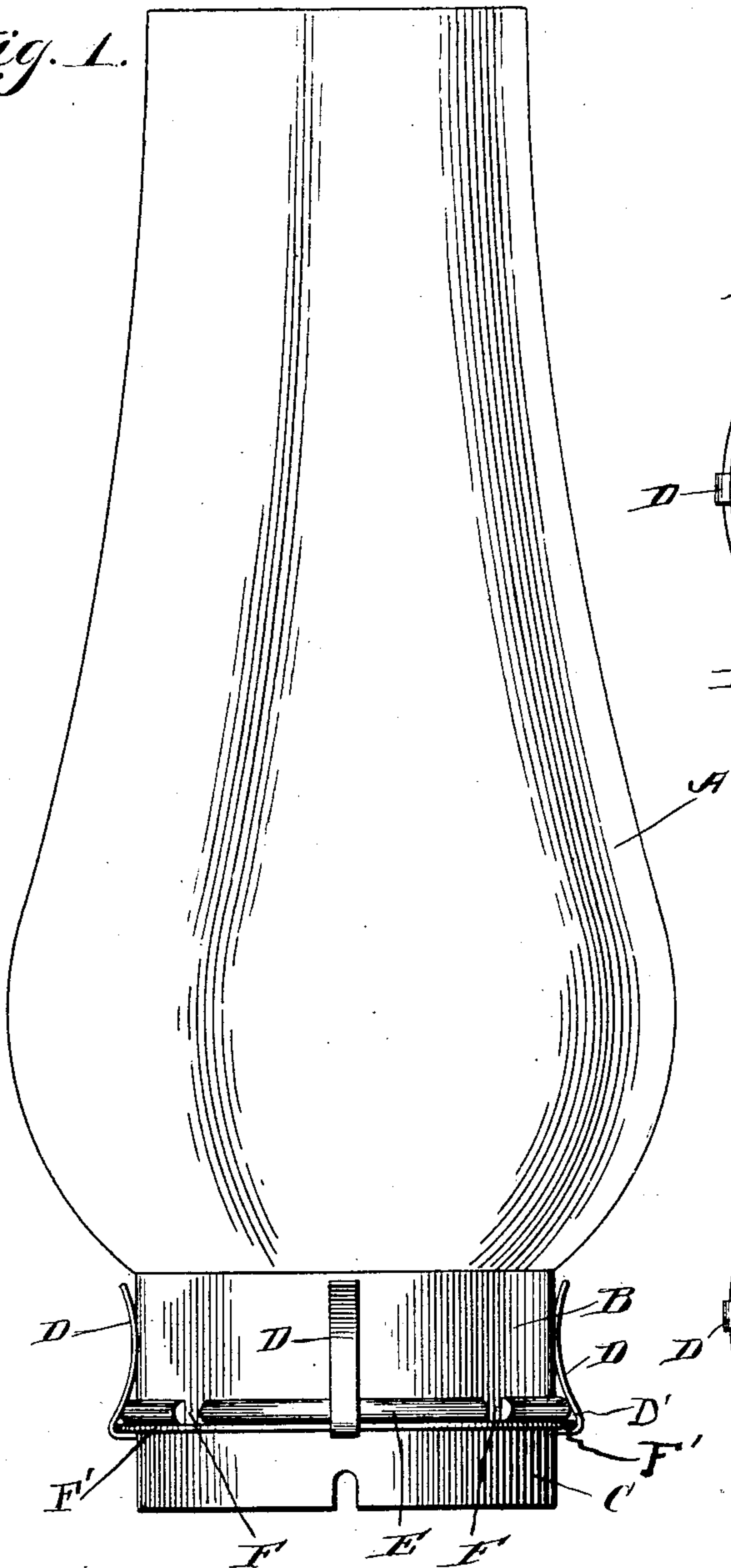
PATENTED FEB. 2, 1904.

W. J. GLEASON.  
LAMP CHIMNEY.

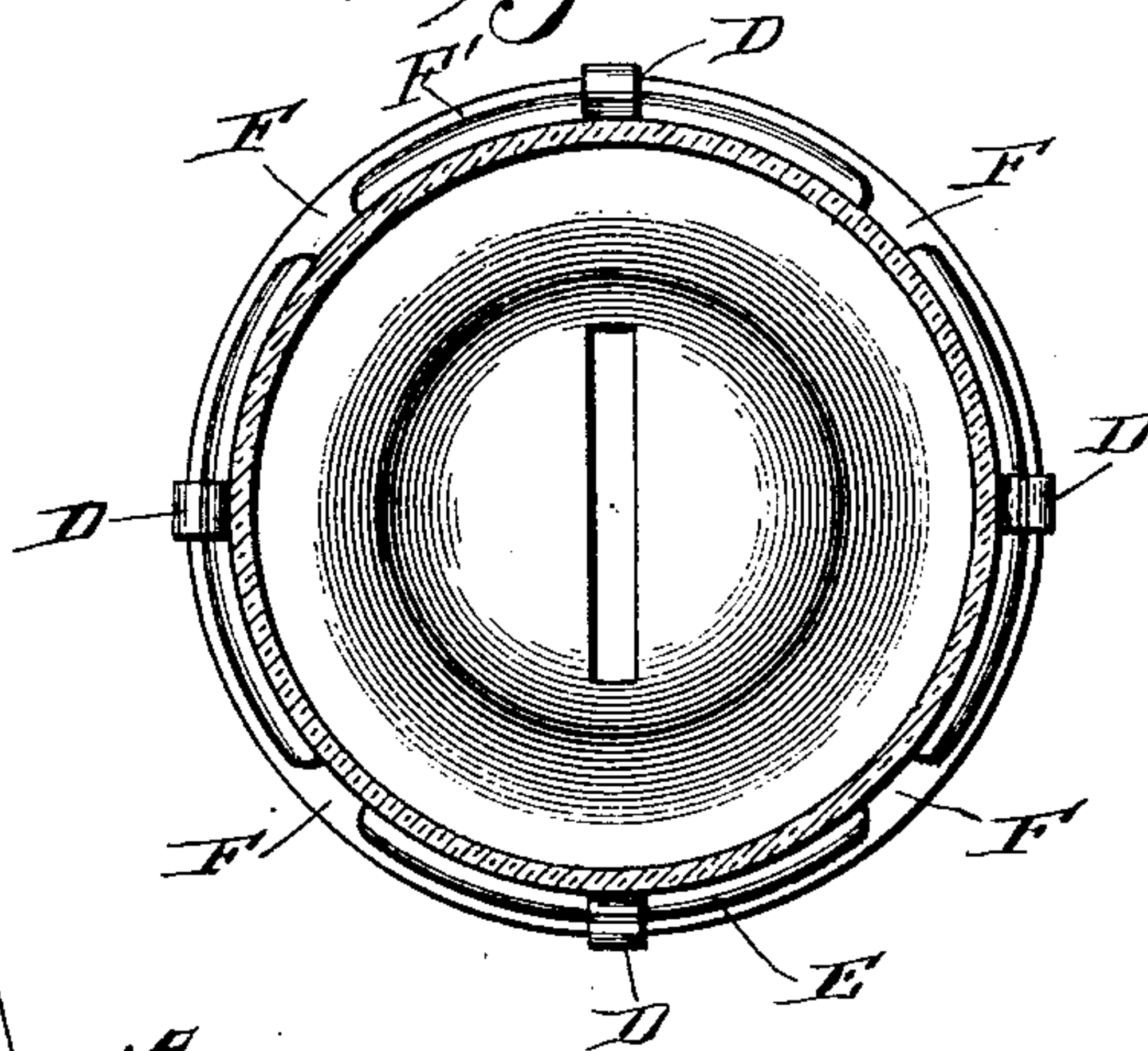
APPLICATION FILED APR. 18, 1902.

NO MODEL.

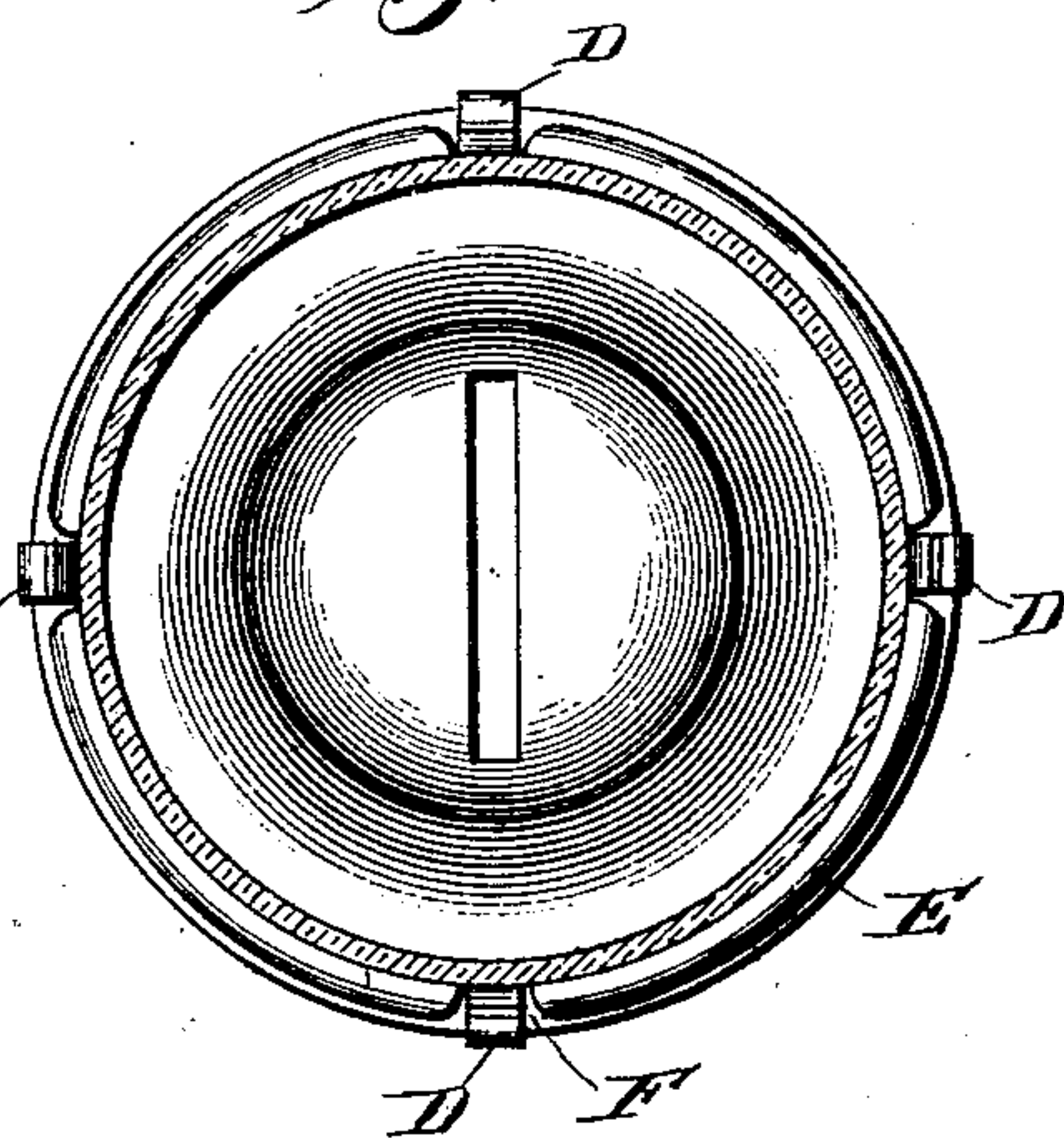
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses  
*Louis D. Heinrichs*  
*L. H. Morrison*

Inventor  
*William J. Gleason*  
By his Attorney  
*W. Preston Williamson*



# UNITED STATES PATENT OFFICE.

WILLIAM J. GLEASON, OF PHILADELPHIA, PENNSYLVANIA.

## LAMP-CHIMNEY.

SPECIFICATION forming part of Letters Patent No. 750,844, dated February 2, 1904.

Application filed April 18, 1902. Serial No. 103,568. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM J. GLEASON, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a certain new and useful Improvement in Lamp-Chimneys, of which the following is a specification.

My invention relates to a new and useful improvement in lamp-chimneys, and has for its object to so construct a lamp-chimney that the same may be easily placed in or removed from its holder, but after the lamp-chimney has been inserted in the holder by turning the chimney slightly it will be locked in place, so that it cannot be accidentally displaced.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims. In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of a chimney and holder, the chimney being made according to my invention. Fig. 2 is a cross-section of the chimney, showing the same in position when it is locked; Fig. 3, a similar view to Fig. 2, showing the chimney in position for inserting or removing from the holder.

Lamp-chimney holders are usually constructed with four upright springs adapted to bear against the collar of the lamp-chimney and so hold it in place upon the lamp; but as the lamp-chimney is only held by the friction of these springs and some chimneys extend upward quite a distance they are exceedingly top heavy and a slight jar or touch is apt to displace the chimney, so that the same will fall off and become broken, and my invention is for the object of obviating this disadvantage while at the same time providing for the chimney to be inserted or removed as easily as those now in use, and at the same time I do not in any way change the old form of hold-

ers, so that a chimney manufactured according to my invention can be applied to any existing lamp.

In the drawings, A represents the lamp-chimney, of which B is the collar upon the lower end thereof adapted to fit in the holder.

C represents the holder, which has the usual springs D, extending upward from a flange F'. Said springs are adapted to come in contact with the collar B when the chimney is inserted in the holder.

E is an annular bead or rib formed with the collar B upon its periphery, and at the lower end thereof this bead is cut away at certain points, as represented at F, so as to form notches, and the number of these notches is determined by the number of springs D, there being one notch for each spring, and these notches or portions F are somewhat wider than the springs D, so that in placing the chimney in the holder the chimney is turned so that the notches F will be in register with the springs D. Then the chimney is pushed downward into the holder in the usual manner, the springs passing through the notches F, and the chimney then would be held by the springs in the usual manner. After the chimney is pushed downward to the lowest point then by giving the chimney a slight turn in either direction the notches F will be turned out of register with the springs, and thus the chimney will be locked in place and can only be removed by again twisting the chimney so as to bring the notches in register with the spring. The springs at the lower end curve outward where they are attached to the holder, so as to leave a space D' in which the bead E will lie; but the springs on all holders are formed in this manner, so it would never necessitate the changing of the holder whatsoever; but if the space D' is not quite large enough to accommodate the bead E a slight bend in the spring D would be all that was necessary.

The advantage of this improvement will be apparent at once, as it does not require any greater effort to place the chimney in the holder than heretofore and only takes a slight

twist of the chimney after it is in place to lock it against any accidental displacement, and the rib E being molded with the glass will not increase the cost of the chimney to any  
5 great extent, if at all. I do not wish to confine myself to any particular formation of this rib or bead E, the only requirement being that an enlargement shall be formed upon the lower end of the collar B small enough in  
10 size to pass through the spaces D', formed between the collar and the springs D, and this enlargement being cut away at points to correspond with the springs. Therefore I do not wish to be limited to the exact construction  
15 here shown, as slight modifications could be made without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is—

A lamp-chimney having a rib on the outer 20 surface of the collar at its lower edge, a holder comprising a ring with an outturned annular flange extending beyond the edge of the rib, and clips secured under the flange and curved up to engage the surface of the rib and the 25 collar of the chimney.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

WILLIAM J. GLEASON.

Witnesses:

H. B. HALLOCK,  
L. W. MORRISON.