

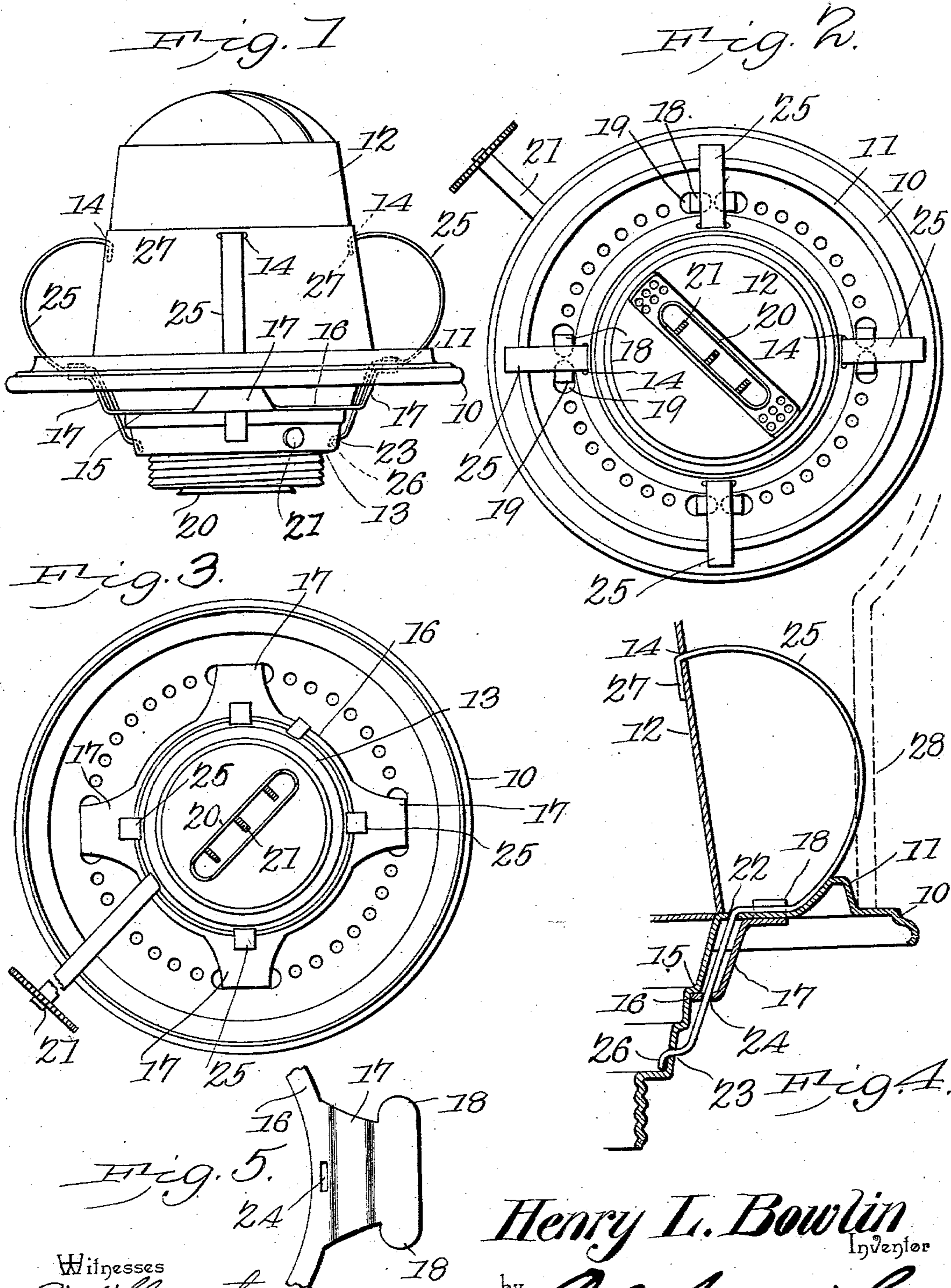
No. 753,352.

PATENTED MAR. 1, 1904.

H. L. BOWLIN.  
LAMP BURNER.

APPLICATION FILED OCT. 28, 1903.

NO MODEL.



Witnesses  
*E. F. Stewart*  
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# UNITED STATES PATENT OFFICE.

HENRY LEE BOWLIN, OF COLUMBUS, MISSISSIPPI.

## LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 753,352, dated March 1, 1904.

Application filed October 28, 1903. Serial No. 178,906. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY LEE BOWLIN, a citizen of the United States, residing at Columbus, in the county of Lowndes and State of Mississippi, have invented a new and useful Lamp - Burner, of which the following is a specification.

This invention relates to lamp-burners, and has for its object to simplify and improve such devices and provide a means whereby the chimney may be more easily placed in position and more securely held; and the invention consists in certain novel features of construction, as hereinafter shown and described, and specified in the claims.

In the drawings illustrative of the invention, in which corresponding parts are denoted by like designating characters, Figure 1 is a side elevation, Fig. 2 is a top plan view, and Fig. 3 is a bottom plan view, of a lamp-burner embodying the improved structure. Fig. 4 is an enlarged sectional detail showing the arrangement of one of the chimney - holding springs. Fig. 5 is a view of a portion of the blank from which the locking-plate is "struck up."

The improved burner comprises a shell or frame having a lateral chimney-supporting flange 10 and chimney-seating portion 11 rising therefrom and with the flame-bell portion 12 rising centrally from the portion 11 and the threaded lamp-engaging portion 13 depending below the shell or frame. The flame-bell portion 12 is substantially of the usual construction, except that it extends higher and is provided with spaced radial apertures 14, intermediately disposed in its sides. The threaded depending portion 13 is formed with an annular intermediate shoulder 15, which is engaged by an annular clamp-plate 16, having radiating arms 17, terminating in lateral spurs 18 for engagement with spaced apertures 19 in the "floor" of the shell, as shown. By this simple means the portion 13 is firmly secured and clamped to the under side of the shell or frame. The usual wick-tube 20 and toothed wick-operating wheel 21 are placed in position in the portions 13, as shown. The shell or frame is provided with a plurality of spaced apertures 22, and similar apertures 23

and 24 are placed in the portion 13 and the annular clamp-plate 16. A plurality of springs 25 are connected by their lower ends 26 in the apertures 23, thence passed through the apertures 24 22, and thence engaged by their hooked upper ends 27 in the apertures 14 in the flame-bell portion. The springs 25 are bent into engagement with the shell-surface where they cross the positions occupied by the spurs 18 and are engaged thereby, and thus firmly "clamped" in position. The plate 16, with its arms 17 and spurs 18, thus performs the two-fold purpose of a clamping means for uniting the threaded depending portion 13 to the shell and as a means for securing the springs in position. The springs are bent outwardly beyond the line of the portion 11, and thus exert a yieldable force against the chimney (represented at 28) to support it yieldably in position and also serve as yieldable guides to assist in guiding the chimney to its seat upon the portions 10 and 11. The springs as thus formed and located receive the chimney as it is positioned over the flame-bell and guide it "home" upon its seat no matter how much "off the center" it may be first placed. Hence no particular care need be exercised in placing the chimney, as it will be certain to find its proper seat. This is an important consideration and results in the saving of much time and relieves the operator from much annoyance, especially when placing the chimney in position in the dark, as generally occurs.

The device may be readily applied to any of the various sizes and forms of burners manufactured and will not add materially to the expense or weight.

Having thus described the invention, what I claim is—

1. In a lamp-burner, a shell or frame having a lateral chimney-supporting flange, and a chimney-seating portion rising therefrom, the flame-bell rising centrally from said shell and having spaced radial apertures intermediately disposed therein, and springs having their lower extremities fixed in said shell or frame and their upper extremities hook-shaped and engaging said flame-bell apertures, substantially as specified.

2. In a lamp-burner, a shell or frame having spaced radial apertures and formed with a lateral chimney-supporting flange and with a chimney-seating portion rising therefrom, the flame-bell rising centrally from said shell or frame and the threaded lamp-body-engaging portion depending therefrom, said flame-bell portion and threaded depending portion being provided with spaced radial apertures in alinement with the apertures in said shell or frame, and springs engaged by their lower extremities in the apertures in said threaded depending portion and passing through the apertures in said shell or frame and fixed therein and with their upper extremities hook-shaped and engaging the apertures in said flame-bell portion, substantially as specified.

3. In a lamp-burner, a shell or frame having spaced radial apertures and formed with a lateral chimney-supporting flange and with

a chimney-seating portion rising therefrom, the flame-bell rising centrally from said shell or frame and the threaded lamp-body-engaging portion depending therefrom, springs connected by their lower ends to said threaded depending portion and passing through the apertures in said shell or flange, an annular plate inclosing said threaded depending portion and having radiating arms provided with apertures for the passage of said springs and terminating in lateral spurs for clamping said springs to said shell or flange, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HENRY LEE BOWLIN.

Witnesses:

A. D. BOWLIN,  
D. H. BOWLIN.