B. S. HYATT.

LAMP BURNER.

APPLICATION FILED MAR. 9, 1914.

1,166,590.

Patented Jan. 4, 1916.

Fig. 1.

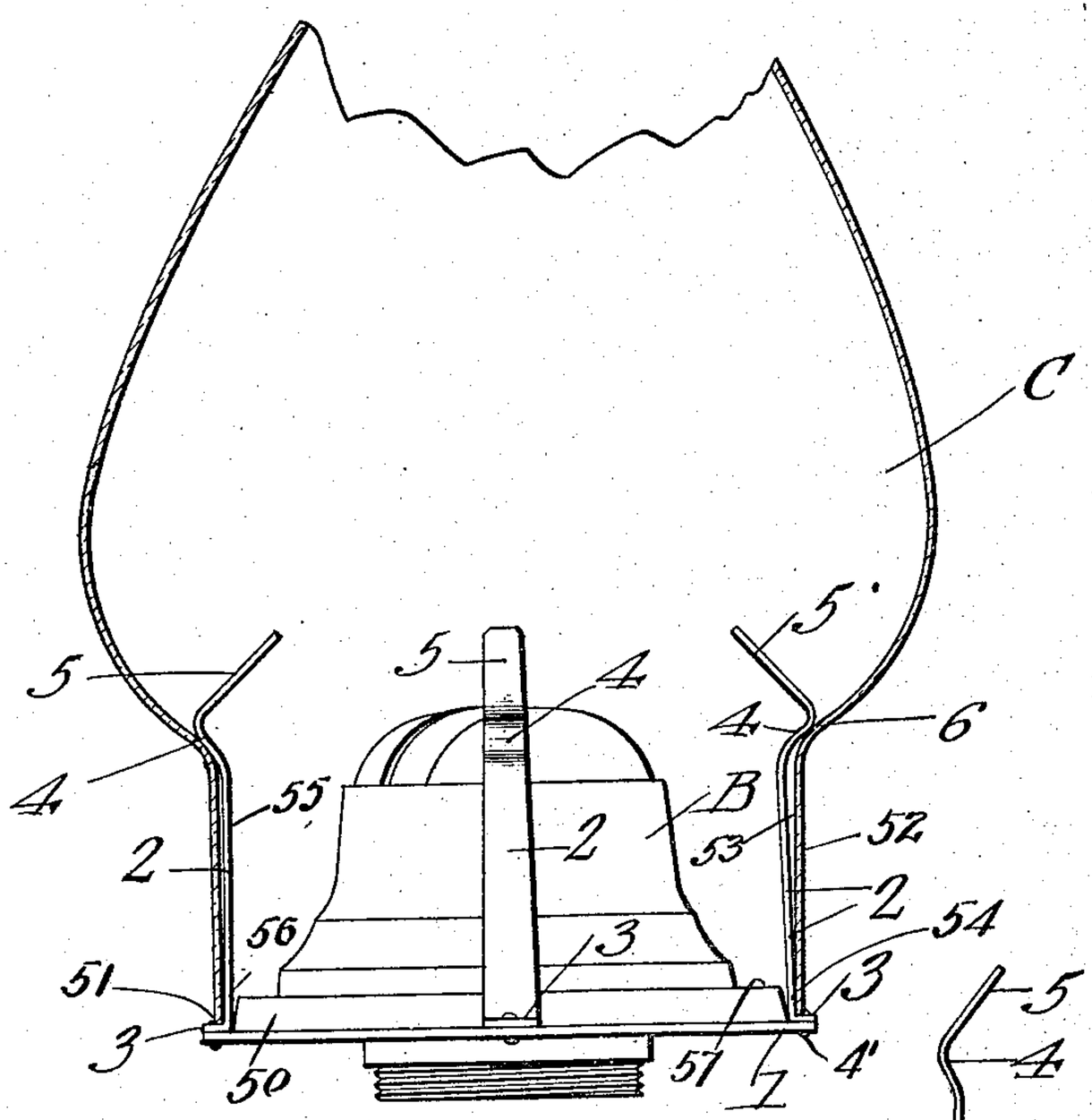
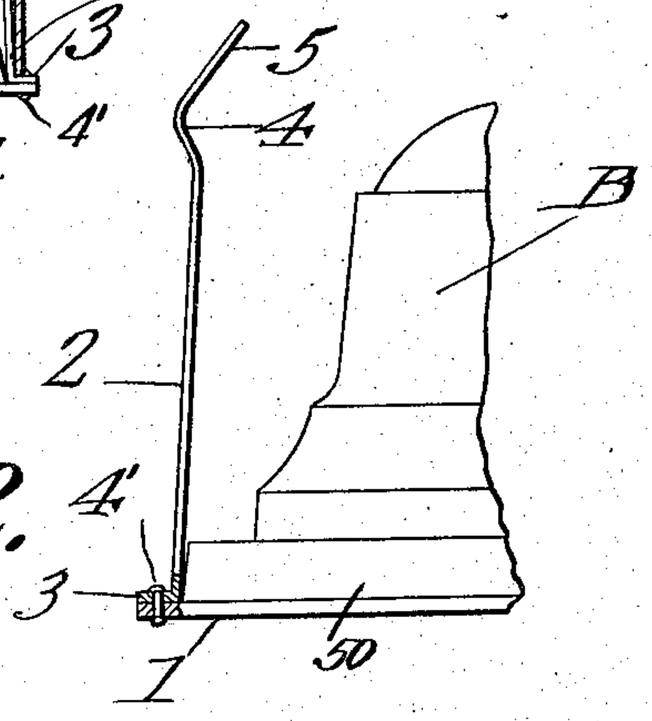


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN S. HYATT, OF VINITA, OKLAHOMA, ASSIGNOR OF ONE-HALF TO JOHN F. WATKINS, OF VINITA, OKLAHOMA.

LAMP-BURNER.

1,166,590. Specification of Letters Patent. Patented Jan. 4, 1916.

Application filed March 9, 1914. Serial No. 823,611.

To all whom it may concern:

Be it known that I, BENJAMIN S. HYATT, a citizen of the United States, residing at Vinita, in the county of Craig and State of Oklahoma, have invented a new and useful Lamp-Burner, of which the following is a specification.

The present invention relates to improvements in lamp burners, one object of the invention being the provision of a chimney attaching means carried thereby, and composed of a plurality of resilient arms, the ends of which are inturned so that the chimney in being positioned upon the burner will compress or move the arms toward each other and fit therearound instead of within as is the usual custom, the inturned ends of the arms being disposed at such an angle as to cause the guidance of all arms within the chimney, and thus insure the proper gripping and positioning of the chimney in place.

A further object of the present invention is the provision of a plurality of resilient arms carried by a burner, said arms having their upper ends provided with an outward bend and with their terminals bent inwardly, the outward bends constituting a means for engaging the inner portion of a lamp chimney adjacent the straight sleeve or burner engaging portion and the beginning of the bulge thereof, such engagement with the plurality of the arms maintaining the chimney in an upright position relative to the burner, and yet permitting the easy removal from or introduction of the chimney upon the burner.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings—Figure 1 is a side elevation of a burner constructed according to and embodying the present invention, a portion of a chimney being shown as held in proper relation to the burner. Fig. 2 is a detail view illustrating the connection of one of the resilient chimney engaging arms to the burner.

Referring to the drawings, the burner B is provided with a flange 1 which acts as a supporting means for the chimney members or arms 2, there being preferably four of these arms. The lower end 3 of each arm is bent at right angles, as clearly illustrated in Fig. 2 and is connected to the flange 1 by a rivet 4′.

The normal tension of the arms 2 is outward and the upper free terminal of each is provided with the outwardly bent portion 4 terminating with the inwardly and upwardly inclined terminal 5. It will therefore be seen that the terminals 5 of the arms project inward toward the center of the burner and thus act as a proper guiding means during the introduction of the burner engaging end of the chimney C, all of the arms being forced inwardly due to the cylindrical portion of the chimney, to again move outwardly to place the bends 4 in engagement with the portion 6 of the chimney C at the junction of the sleeve of the chimney with the bulged portion. Thus the arms coöperate to hold the chimney down upon the burner to thus prevent the accidental tilting of the chimney, but yet permitting the easy introduction and withdrawal of the chimney without the possibility of any of the arms being disposed exteriorly or in such a position as to not properly grip and hold the chimney.

The device herein disclosed embodies a burner comprising an upstanding base 50 and a flange 1 projecting outwardly from the base 50. Resilient arms 2 are shown, each arm terminating in an outstanding foot 3 resting on the flange 1, securing devices 4′ engaging the feet 3 and the flange 1. The securing devices 4′ terminate in upstanding heads. The arms comprise inclined chimney guiding fingers 5 defining chimney retaining shoulders 4. The chimney C surrounds the arms 2 and is provided with a circumscribing shoulder 6 engaged by the shoulders 4 on the arms 2. The lower end 51 of the chimney C rests on the feet 3, the outer surface 52 of the chimney being engaged by the heads of the securing devices 4′, the inner surface 53 of the chimney being engaged as shown at 54 by the arms adjacent the feet

and the arms slanting as shown at 55, away from the inner face of the chimney between the feet 3 and the shoulder 6. The arms are spaced as shown at 56 from the upper portion 57 of the base 51 and are adapted to contact therewith when the arms are compressed by engagement between the chimney C and the fingers 5. Thus, the lower portions of the arms act as guides which direct the chimney into engagement with the heads of the securing devices 4′. As the chimney C is thrust downwardly, the arms swing inwardly until they abut against the base 50. They thus act as guides but, when the upper ends of the arms swing outwardly, the lower ends of the arms are engaged with the inner surface of the chimney, and the outer surface of the chimney is engaged by the heads of the securing devices 4′. Thus, the chimney is securely held in place at its lower end but, at the same time, since the arms slant away from the inner face of the chimney, the arms may yield sufficiently so that the shoulders 4 of the arms will engage with the shoulders 6 of the chimney.

What is claimed is:

In a device of the class described, a burner embodying a base and a flange outstanding from the base; chimney holding arms each having an outstanding foot superposed upon the flange and terminated on top of the flange adjacent the outer edge of the flanfe; and securing elements uniting the feet with the flange, the arms engaging the perimeter of the base to prevent a rotation of the arms with the securing elements as centers.

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

BENJAMIN S. HYATT.

Witnesses:
E. J. McBride,
M. E. Milford.