

S. H. PATTERSON.
LAMP BURNER.
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1,167,212.

Patented Jan. 4, 1916.

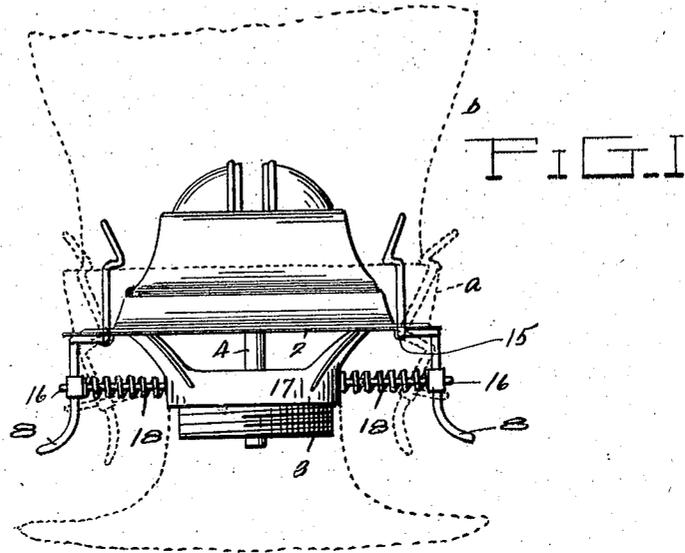


FIG. 2

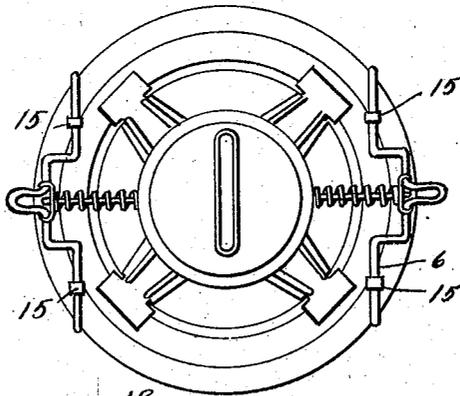
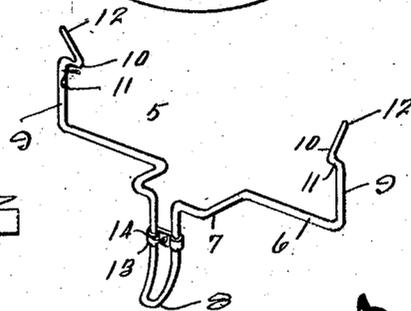


FIG. 3



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UNITED STATES PATENT OFFICE.

SIMON H. PATTERSON, OF SANTO, TEXAS.

LAMP-BURNER.

1,167,212.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SIMON H. PATTERSON, a citizen of the United States, residing at Santo, in the county of Palo Binto and State of Texas, 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.

This invention relates to improvements in lamp burners and especially with reference to the provision of spring pressed clamps pivotally mounted on a burner and adapted to engage opposite sides of the base of a lamp chimney and thereby securely hold the lamp chimney in place on the burner and yet permit the ready removal of the chimney.

The invention consists in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawings: Figure 1 is an elevation of a lamp burner provided with chimney clamps constructed in accordance with my invention, and showing the clamps in engaged position in full lines and in disengaged position in dotted lines, the base of the chimney being also indicated in dotted lines. Fig. 2 is an inverted plan of the burner with its clamps. Fig. 3 is a detail perspective view of one of the clamps.

The burner 1 may be of the form here shown or of any usual construction, the dome being indicated at 1^a, the gallery at 2, the neck at 3 and the wick tube at 4.

In accordance with my invention I provide a pair of clamps 5 each of which may be of a single piece of wire. Each clamp comprises a shaft 6, an offset portion 7 at the center of the shaft, an operating arm 8 depending from the center of the offset, and clamping arms 9 extending upwardly from the ends of the shaft, each clamping arm being here shown as formed at its upper end with an inturned portion 10 provided with a shoulder 11, to engage over the base flange *a* of the lamp chimney *b* and an upwardly extending portion 12 connected to the outer end of the shoulder 11 to engage the chimney.

Each operating arm 8 is here shown as U-shaped and as provided with a bridge piece 13 having an opening 14. The shafts of the clamps are mounted in suitable bearings 15 under the gallery, the shafts being arranged in parallel relation and near opposite sides of the gallery and with their offsets 7 extending outwardly. Rods 16 have their inner ends attached to the base 17 of the burner and their outer ends extended through the openings 14 of the bridge pieces 13, and on each of said rods, is a spring 18 the inner end of which bears against the burner base and the outer end of which bears against the bridge piece. The rods 16 are pivotally connected to the burner base and the springs serve to move the arms 8 of the clamps outwardly and hence turn the shafts 6 so as to cause the clamping arms 9 to bear firmly against and over the chimney base flange *a* and thereby securely lock the chimney on the burner. By pressing the arms 8 toward each other, against the tension of the spring 18 as indicated in dotted lines in Fig. 1 the clamping arms 9 may be disengaged from the base flange of the chimney and hence permit the chimney to be removed from the burner.

Having thus described my invention, I claim:—

A lamp burner having a pair of chimney engaging clamps, arranged at opposite sides, each clamp comprising a shaft pivotally mounted on the burner, having an outstanding offset portion with a depending operating arm, and also having upstanding chimney engaging clamping arms, rods extending from the base of the burner and slidably engaged with the operating arms of the clamps and springs on said rods and pressing outwardly against the operating arms of the clamps and serving to normally hold the clamps in engaged position.

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

SIMON H. PATTERSON.

Witnesses:

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