

F. D. SPEAR.
LAMP BURNER.
APPLICATION FILED OCT. 20, 1910.

1,003,157.

Patented Sept. 12, 1911.

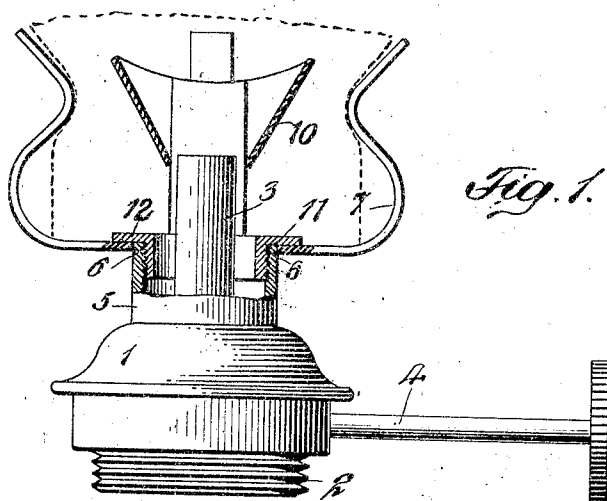


Fig. 1.

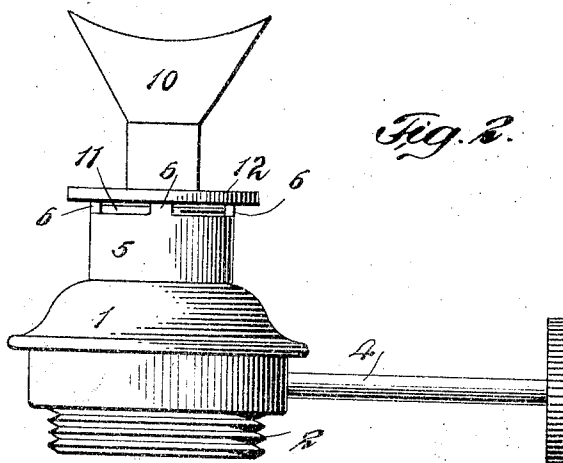


Fig. 2.

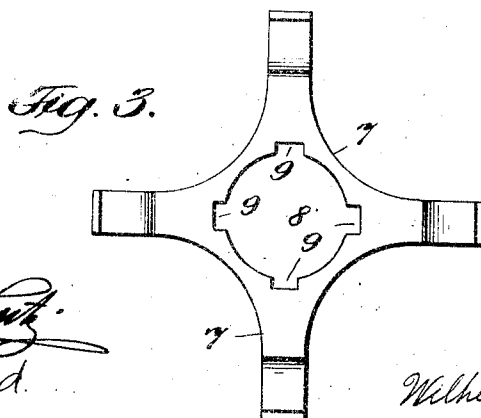


Fig. 3.

WITNESSES:
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UNITED STATES PATENT OFFICE.

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LAMP-BURNER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FURMAN D. SPEAR, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a new and useful Improvement in Lamp-Burners, of which the following is a specification.

This invention relates to that class of lamp burners which are known as "long time" burners and which are used extensively in signal lamps and switch lamps. Burners of this kind are used with or without chimneys, depending upon local conditions, and the object of this invention is to so construct the burner that it can be readily supplied with a chimney holder or be used without the same, as may be desired.

In the accompanying drawings: Figure 1 is a side elevation and partial vertical section of a burner embodying this invention, when used as a chimney burner. Fig. 2 is a side elevation of the burner without the chimney holder. Fig. 3 is a detached plan view of the chimney holder.

Like reference characters refer to like parts in the several figures.

1 represents the body of the burner provided at its base with suitable means for securing it to the oil pot, for instance, with a screw-threaded collar 2. The burner is further provided with the usual wick tube 3 and wick raiser 4. Surmounting the body of the burner is a supporting collar 5 having its upper portion internally screw-threaded and having at its upper end upwardly projecting lugs or tongues 6, preferably four in number, as shown.

10 represents the flame spreader which is arranged above the wick tube and provided with an externally threaded attaching collar 11 having an external flange 12. The collar 11, which forms the attaching base of the flame spreader, is screwed into the supporting collar 5 and extends with its flange over the lugs or tongues 6 of the same.

7 represents the chimney holder or support having in its body or plate an opening 8 by which it fits around the base collar 11 of the flame spreader. The holder is provided in said opening with notches 9 in which the lugs or tongues of the collar 5

engage and whereby the holder is held against turning on the supporting collar 5. The holder is provided with upwardly-extending curved arms between which the lower portion of the chimney is held, as indicated by dotted lines in Fig. 1, and it is desirable to secure the holder in such a position that these arms cast no shadows upon the lenses of the lamp. The interlocking lugs and notches of the supporting collar and holder are so arranged as to hold the arms of the holder in the proper position.

In assembling the burner for use with a chimney, the chimney holder is placed upon the supporting collar 5, with the tongues or lugs 6 of the latter entering the notches 9 of the holder. The flame spreader is then secured in place by screwing its base collar 11 into the supporting collar 5 until the flange 12 of the base collar bears upon the holder, thereby holding the parts securely in position, as represented in Fig. 1. If it is desired to use the burner without a chimney holder, the flame spreader is unscrewed, the holder removed, and the spreader returned to its normal position, in which condition the burner is represented in Fig. 2.

I claim as my invention:

1. A lamp burner comprising a body provided at its lower end with means for engagement with an oil pot and in its upper portion with a support for a chimney holder, a removable chimney holder resting on said support, and a removable flame spreader provided with an attaching base adapted to be secured to said body and to hold the chimney holder in place on its support, substantially as set forth.

2. A lamp burner comprising a body having an upwardly-extending support for a chimney holder, a removable chimney holder resting on said support, means for preventing rotary movement of the holder on its support, and a flame spreader provided with an attaching base by which it is secured to the body of the burner and which holds said holder on its support, substantially as set forth.

3. A lamp burner comprising a body having an upwardly-extending supporting collar provided at its upper end with tongues,

a removable chimney holder resting on said collar and provided with openings in which said tongues engage, and a removable flame spreader provided with an attaching base
5 by which it is secured to said supporting collar and which holds said holder in place thereon, substantially as set forth.

Witness my hand in the presence of two subscribing witnesses.

FURMAN D. SPEAR.

Witnesses:

JENNIE STANTON,
WM. S. ARMOUR.