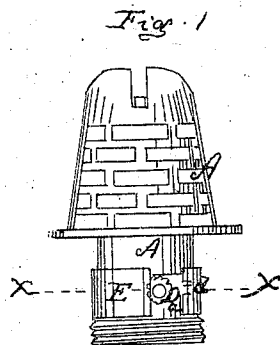
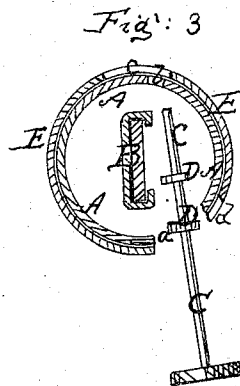
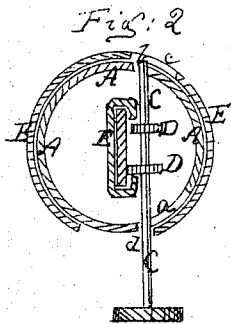


Shea & Gillman

Lamp Burner

No. 75587

Patented Mar. 17, 1868



Witnesses:

Alex. F. Roberts

W. C. Aslikett

Inventor:

S. Shea

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per Munnell
Attorneys

United States Patent Office.

SAMUEL SHEA AND E. W. GILLMAN, OF LONG ISLAND CITY, NEW YORK.

Letters Patent No. 75,587, dated March 17, 1868.

IMPROVEMENT IN LAMPS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, SAMUEL SHEA and E. W. GILLMAN, of Long Island City, in the county of Queens, and State of New York, have invented a new and improved Lamp-Burner; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a side view of our improved lamp-burner.

Figures 2 and 3 are horizontal sectional views of the same, taken on the plane of the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new manner of hanging the arbor of the ratchet-wheel in coal-oil or other lamp-burners, and consists in hanging one end of the same in a sliding sleeve, which can be turned so as to allow the ready removal and re-insertion of the said arbor.

In coal-oil and other lamps, the ratchets for elevating the wick generally give out first, and as at present constructed, the burners become wholly useless, while, when provided with our improvement, they can be repaired by removing the worn and inserting a new ratchet.

A, in the drawing, represents an ordinary or suitable lamp-burner, in which B is the wick-tube; C is the arbor, on which the ratchets D D are mounted as usual. The case of the burner A has on one side a hole, *a*, which is so large that the ratchet-wheels may be passed through it. E is a slotted sleeve or ring, fitted around the burner as shown. The arbor C can, when the sleeve is in the position shown in figs. 1 and 3, be inserted into the burner, through a large opening in the sleeve and the hole *a*, as is clearly indicated in the drawings. The sleeve E, instead of being perforated to allow the passage of the arbor and ratchet, may be made in the shape of an unclosed ring, between the ends of which the desired space is left, as shown.

The end of the arbor finds its bearing in a small hole, *b*, in the burner, and in a slot, *c*, of the sleeve, as shown. The other part of the arbor is supported in a small recess, *d*, of the sleeve, when the latter is closed over the hole *a*, as in fig. 2. When the arbor is thus held, the hole *a* is completely closed, and substantial bearings for the arbor are provided; but when it is desired to remove the arbor, it is only necessary to turn the sleeve so as to open the hole *a*, as in fig. 3.

We claim as new, and desire to secure by Letters Patent—

1. Providing a lamp-burner with a removable ratchet and arbor, substantially as herein shown and described.
2. The sleeve E, when arranged around a burner, A, in which a hole, *a*, is provided, to allow the insertion and removal of the ratchet and arbor, substantially as herein shown and described.

SAMUEL SHEA,
E. W. GILLMAN.

Witnesses:

JAMES SHERIDAN,
GEORGE PARSELLS.