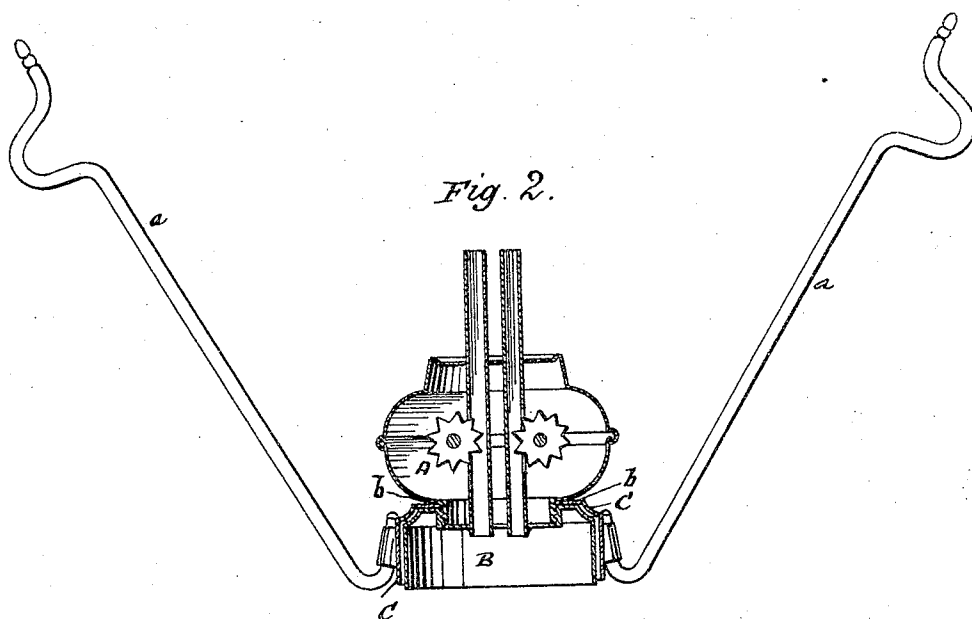
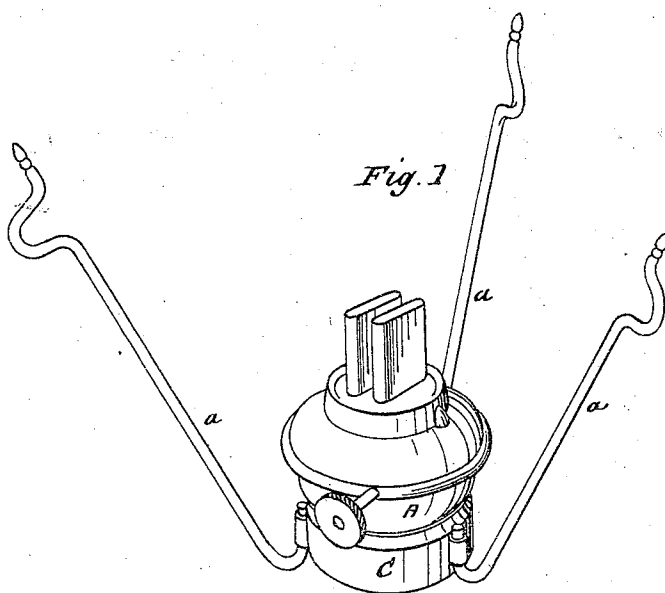


R. S. MERRILL & W. CARLETON.
Shade-Holders for Lamp Burners.

No. 153,362.

Patented July 21, 1874.



Witnesses.

Emmett A. Dietz.
W. E. Chaffee

Inventors

Rufus S. Merrill &
Wm. Carleton by atty
Howe

UNITED STATES PATENT OFFICE

RUFUS S. MERRILL AND WILLIAM CARLETON, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SHADE-HOLDERS FOR LAMP-BURNERS.

Specification forming part of Letters Patent No. **153,362**, dated July 21, 1874; application filed July 6, 1874.

To all whom it may concern:

Be it known that we, RUFUS S. MERRILL and WILLIAM CARLETON, of Boston, Massachusetts, have invented certain new and useful Improvements in Shade-Holders for Lamp-Burners, of which the following is a specification:

This invention is designed to obviate the inconvenience experienced in the employment of ordinary shade-holders for lamp-burners.

Heretofore, so far as our knowledge extends, the means by which the shade-holder has been connected with the lamp has consisted of a ring or clasp encircling the neck of the lamp or the screw-collar thereon. Under this arrangement the shade is liable to tip unless the ring fits the collar very snugly. The ring is liable to rise on the collar, and is also liable to turn thereon; so that, with the construction heretofore employed, there has been no certainty of the shade retaining its proper position on the lamp.

We obviate all these defects by employing a shade-holding sleeve, encircling and fitting the body of the lamp-collar, and provided at the top with an inwardly-projecting annular flange, so located that it will be clamped between the top of the lamp-collar and the base of the lamp-burner when the latter, after the shade-holder is placed, is screwed down into the collar. In this way, so long as the burner is screwed down, the shade-holder becomes an absolute fixture, and has no movement independent of the lamp. Thus, superadded to the requisite adjustability and removability, it possesses all the advantages of a permanent fixture.

In the accompanying drawing, Figure 1 represents a perspective view, and Fig. 2 a vertical central section, of our improved shade-holder, together with a lamp-collar and lamp-burner.

A is the lamp-burner; B, the lamp-collar,

into which the burner screws in the usual way. C is the shade-holding sleeve that carries the arms *a* or other devices for upholding the shade. The sleeve, which encompasses and fits the body of the collar, is of a length to form a guide for the shade-holding devices proper, and to assure and maintain them in requisite position on the collar when the burner for any purpose is loosened or removed, and may be of any usual construction, except in the respect that at its upper edge it is provided with a horizontal annular flange, *b*, which projects inwardly far enough to allow it to be clamped between the base of the burner and the top of the collar without interfering with the free passage of the burner into the collar.

The flange *b* is not necessarily continuous, but it may be broken up or cut away at points, leaving only fingers, which will serve the same purpose.

The advantages of the described arrangement have been above stated, and do not require repetition.

What we claim as our invention, and desire to secure by Letters Patent, is—

A shade-holder for lamp-burners in which the support that encircles the lamp-collar consists of a sleeve, fitting the body of the collar to maintain the shade-holder in position when the burner is removed, and provided at its upper end with an internally-projecting portion adapted to be clamped between the top of the collar and the base of the burner, as shown and set forth.

In testimony whereof we have hereunto signed our names this 1st day of July, A. D. 1874.

RUFUS S. MERRILL.
WM. CARLETON.

Witnesses:

A. W. ADAMS,
B. F. HENRY.