

R. S. MERRILL.
Lamp-Collars.

No. 149,774.

Patented April 14, 1874.

Fig. 1.

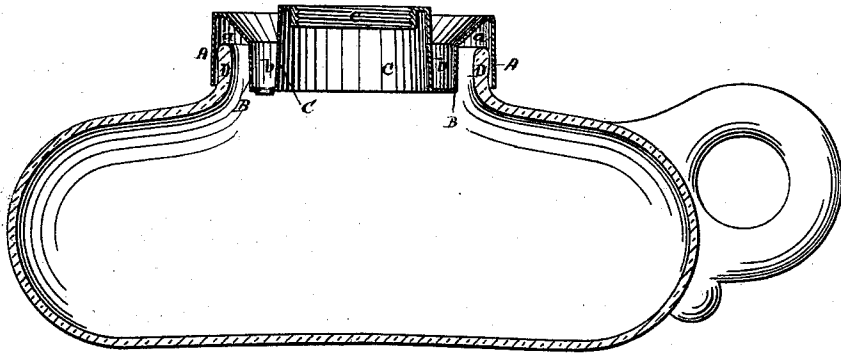
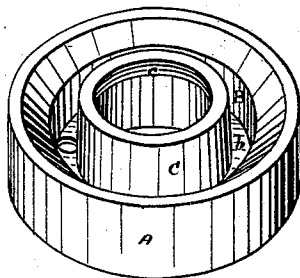


Fig. 2.



Witnesses

Eugene Dick
Wm. B. Chaffee

Inventor.

Rufus S. Merrill
by atty *R. H. Holtz*

UNITED STATES PATENT OFFICE.

RUFUS S. MERRILL, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF TWO-THIRDS HIS RIGHT TO WILLIAM B. MERRILL AND JOSHUA MERRILL, OF SAME PLACE.

IMPROVEMENT IN LAMP-COLLARS.

Specification forming part of Letters Patent No. **149,774**, dated April 14, 1874; application filed April 3, 1874.

To all whom it may concern:

Be it known that I, RUFUS S. MERRILL, of Boston, Massachusetts, have invented certain new and useful Improvements in Lamp-Collars, of which the following is a specification:

This invention relates to collars which are designed to be attached to the necks of lamp-founts, of glass or other material, for the purpose of receiving and holding the burner.

It is desirable to construct the collar so that it shall prevent the oil from spreading over the exterior of the fount, and numerous attempts have heretofore been made in this direction.

With the above object in view, I construct the collar in a peculiar manner, as hereinafter more particularly described, whereby there is interposed between that part of the collar which attaches to the neck of the fount and that part which carries the screw-threaded seat for the burner an annular chamber, formed by said parts, open at top, and extending down into, and for the greater part contained within, the orifice or neck of the fount.

The manner in which my invention is or may be carried into effect will be understood by reference to the accompanying drawing, in which—

Figure 1 is a vertical central section of a lamp provided with a collar made in accordance with my invention. Fig. 2 is a perspective view of the collar detached.

The collar is preferably of sheet metal, and struck up or spun in the usual way into the desired shape. As shown in the drawing, it consists of three vertical, or substantially vertical, annular concentric partitions or walls, A B C. The outer wall, A, and adjoining wall, B, are connected at the top, thus forming an annular receptacle, *a*, for the neck D of the glass lamp-fount. The middle partition or wall B and the innermost partition or wall C are, on the contrary, connected at the bottom, thus forming an annular chamber, *b*, which is open at the top, and is designed to catch the drip. Within and carried by the innermost

wall, C, is the screw-seat *c*, into which the base of the burner is to be screwed in the usual way.

Under this construction it will be noticed that the two partitions B C, and consequently the drip-chamber, of which they constitute the walls, are received within the body of the lamp. In this way the collar is arranged so that the burner will not be elevated above the reservoir any more than is the case with the ordinary lamp-collar, while the drip-chamber is within the compass of the body or neck of the lamp, and quite concealed and out of the way.

I prefer to bevel inwardly the top of the annular neck-receiver *a*, in order that any oil that may drop on the same from the burner will be carried back into the drip-chamber *b*, without being allowed to spread over the exterior of the collar.

One or more holes or small tubes may be provided at the bottom of the drip-chamber to conduct the drip back into the reservoir, if deemed advisable.

I have described the form in which I much prefer to make the collar; but I desire to state that the essential part of the collar is embraced in the two partitions or walls B C, joined at their lower edges, the inner one carrying or constituting the seat for the base of the burner; for the outer wall A may be dispensed with, in which case the wall B will, as before, fit within the neck of the lamp, where it can be secured by suitable means; and for this purpose it may be struck up or provided with an offset to rest on an annular ledge on the fount within the neck D; but, as before stated, I prefer, and in practice shall use, the outer wall A, inasmuch as with it is formed the annular receptacle *a*, which will contain and conceal the neck of the fount, and the plaster or cement used to bind the collar and neck together.

In conclusion I would say that I am well aware that drip cups or receptacles have been formed in various ways, both on the lamp-

collar and on or in the body of the lamp-fount itself. I therefore make no broad claim to such drip-receptacle; but

What I claim, and desire to secure by Letters Patent, is—

The improved lamp-collar, made as herein described, with the two annular connected partitions or walls that form the drip-cup, adapted to be received and contained within

the neck of the lamp-fount to which the collar is applied, as shown and set forth.

In testimony whereof I have hereunto signed my name this 2d day of April, A. D. 1874.

RUFUS S. MERRILL.

Witnesses:

EWELL DICK,
M. BAILEY.