F. J. SEYMOUR.

Lamp-Collar.

No. 161,065. Patented March 23, 1875.

Fig 2.

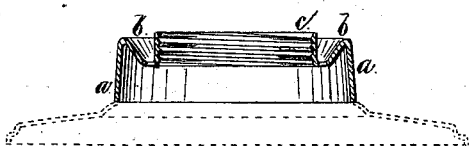
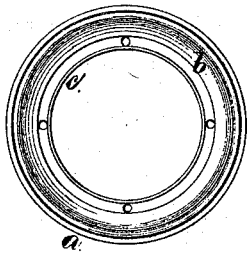


Fig. 1



Witnesses

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UNITED STATES PATENT OFFICE.

FREDERICK J. SEYMOUR, OF WOLCOTTVILLE, CONNECTICUT.

IMPROVEMENT IN LAMP-COLLARS.

Specification forming part of Letters Patent No. **161,065**, dated March 23, 1875; application filed October 20, 1874.

To all whom it may concern:

Be it known that I, FREDERICK J. SEYMOUR, of Wolcottville, in the county of Litchfield and State of Connecticut, have invented an Improvement in Lamp-Collars, of which the following is a specification:

Lamp-collars have been made with an inclined upper surface between the outer portion of the collar and the screw in the inside, as seen in patent No. 139,964. In this case the lamp-burner screwed upon such collar comes into contact with the inclined surface, and any oil that may exist upon the burner, by capillary action or otherwise, instead of being directed by such incline back into the burner, is retained, and spreads over the lamp.

In Letters Patent No. 68,136 there is an annular groove around the upper part of the reservoir, with holes to return the oil that may flow upon the outside of the burner; but in this case such groove is in the lamp itself, and is expensive to manufacture, and not available with metal lamps.

My invention is made for combining in a sheet-metal collar the useful features of the before-named devices, and for avoiding the difficulties experienced heretofore in said collar and reservoir.

I make the cylindrical screw as an upward extension from the bottom of an annular groove, in which groove are holes for allowing the overflow oil to return to the reservoir, and from the outer edge of the annular groove the metal extends down to form the collar around the neck of the lamp.

In the drawing, Figure 1 is a plan, and Fig. 2 a vertical section, of the said collar.

The outer portion *a* of the collar, the inward incline *b*, and the screw *c*, are all made of one piece of sheet metal. The screw-thread is upon the inside of the part *c*, and the annular groove or recess between *b* and *c* forms a receptacle for oil that may flow over the outside of the burner, and at the bottom of this groove is a hole or holes to allow the oil to return to the reservoir or fountain.

The upper end of the screw-cylinder *c*, being as high as the upper edge of the portion *a b*, comes into contact with the lamp-burner, and such burner does not touch any other portion of the collar, and hence there is no risk of oil reaching the outside of the lamp.

There may be an ornamental plate or disk extending from the bottom edge of the collar, as shown by dotted lines in Fig. 2.

I do not claim a lamp-collar in which the sheet-metal thereof turns downward from the groove, as this has been used; but it requires a sharp bend between the groove and the screw-cylinder at the upper end. By turning the cylinder upward instead of downward, this sharp bend is avoided, and the lamp-burner screws against the upper edge of the sheet-metal of the cylinder, as aforesaid.

I claim as my invention—

The lamp-collar made of one piece of sheet metal, with an annular groove and escape-hole, and with the cylinder *c*, extending upward at the inner portion of the annular groove, and having a screw-thread in the inner surface of the cylinder, as set forth.

Signed by me this 15th day of October, A. D. 1874.

F. J. SEYMOUR.

Witnesses:

GEO. T. PINCKNEY,

CHAS. H. SMITH.