

C. F. SPENCER.
LAMP-COLLAR.

No. 181,491.

Patented Aug. 22, 1876.

Fig. 1.

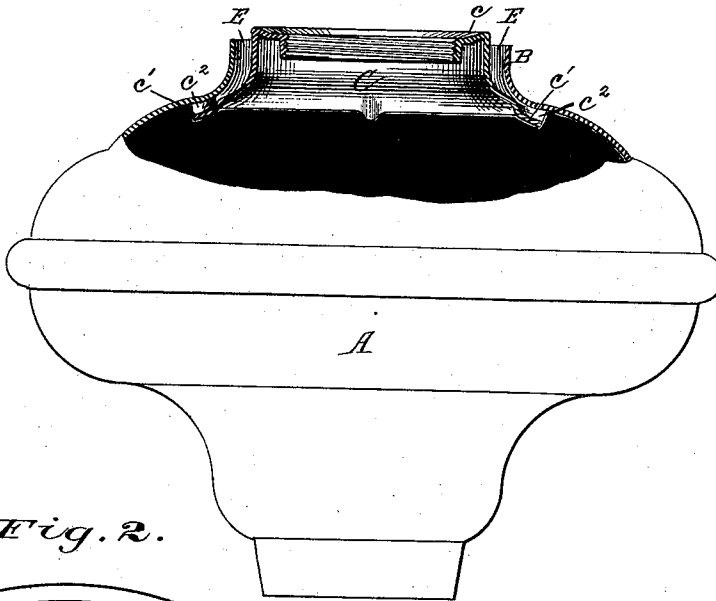


Fig. 2.

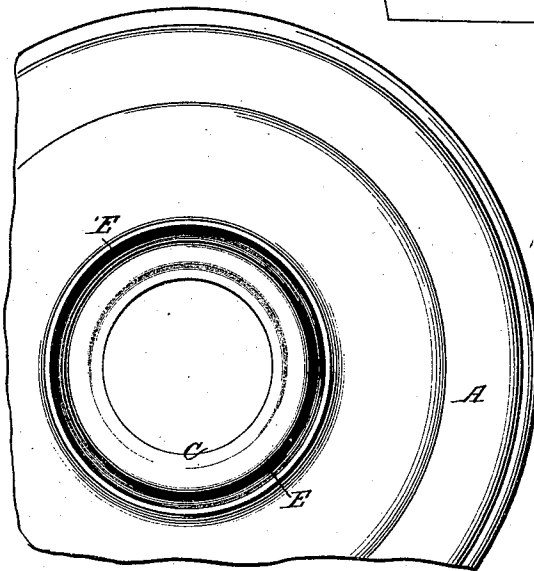
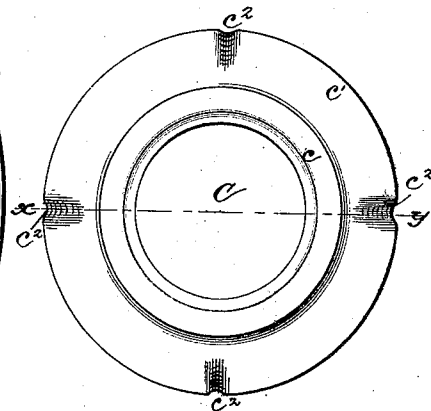


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES F. SPENCER, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN LAMP-COLLARS.

Specification forming part of Letters Patent No. **181,491**, dated August 22, 1876; application filed August 11, 1876.

To all whom it may concern:

Be it known that I, CHARLES F. SPENCER, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Lamp-Collars, of which the following is a specification:

This invention relates to certain improvements in the construction of lamp-collars of that class in which a well or drip-cup is provided to collect the oil carried up by capillary attraction of the wick, and return the same to the interior, and thus prevent the oil from flowing down over the sides of the lamp-body, which entails waste, besides giving the lamp a dirty and unsightly appearance, and renders it disagreeable to handle; and its object is to cheapen and facilitate the construction of such collars, and at the same time to provide for more effectually preventing the escape of the oil over the sides; and it consists in constructing the collar of a short tube of metal, formed with a depending flange at the top, on its interior, in which is formed the thread for the reception of the lamp-cap, and a broad flange on its bottom, provided with one or more depressions or recesses to serve as oil-channels, the collar thus formed being secured, at the flange, to the interior of the lamp, the tubular part being somewhat smaller than the opening in the lamp-body, and projecting up through the same, forming an annular chamber therewith, into which the escaping oil flows, as more fully hereinafter set forth.

In the drawing, the letter A represents the lamp-body, constructed of any suitable material, but preferably of metal; and B, the opening through the same, within which the collar is fitted. C represents the collar, constructed of a short tube of metal, having a horizontal flange, *c*, formed within it at its upper edge, and a depending screw-threaded flange at the edge of the horizontal flange for the reception of the burner-cap. At the lower edge of said collar, on the outside, is formed a broad flange, *c'*, which is provided with one or more depressions or recesses, *c''*, the object of which will be hereinafter explained. The collar is secured

permanently within the opening in the lamp-body by securing the flange *c'* to the inside of the same, by soldering or otherwise, in such position that the tubular part of the collar will project up into the opening in said body, forming an annular space, E, with the sides of said opening, which constitutes the well or drip-cup, the depressions or recesses on the flange *c* forming channels, by which the oil is returned to the lamp.

The collar may be made of any suitable material, but is preferably constructed of thin malleable metal spun into shape in the manner well known to workers in metal, and the lamp-body or upper part of the same is preferably constructed in a similar manner.

As thus constructed, the collar may be much more cheaply constructed than hitherto, and applied to the lamp with little trouble or expense.

As the annular chamber will be entirely within the lamp-body, the upper edge of said body forming its outer wall, it will be impossible for any waste oil to find its way down the sides of the said body—an objection common to the lamp-collars of this class, in which the well is usually formed wholly within the collar.

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

A lamp-collar consisting of a short metallic tube, C, provided at its lower edge with a flange, *c'*, having recesses or depressions *c''*, forming channels for the oil, said collar being fastened to and forming part of the oil-fount, and secured within the lamp in such position that the tubular portion will project into the opening in the same, forming between it and the lamp-top the oil-drip space, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

CHAS. F. SPENCER.

Witnesses:

WALTER W. ADAMS,
L. A. WATSON.