

C. VOTTI.

SHADE-HOLDER FOR LAMPS.

No. 182,973.

Patented Oct. 3, 1876.

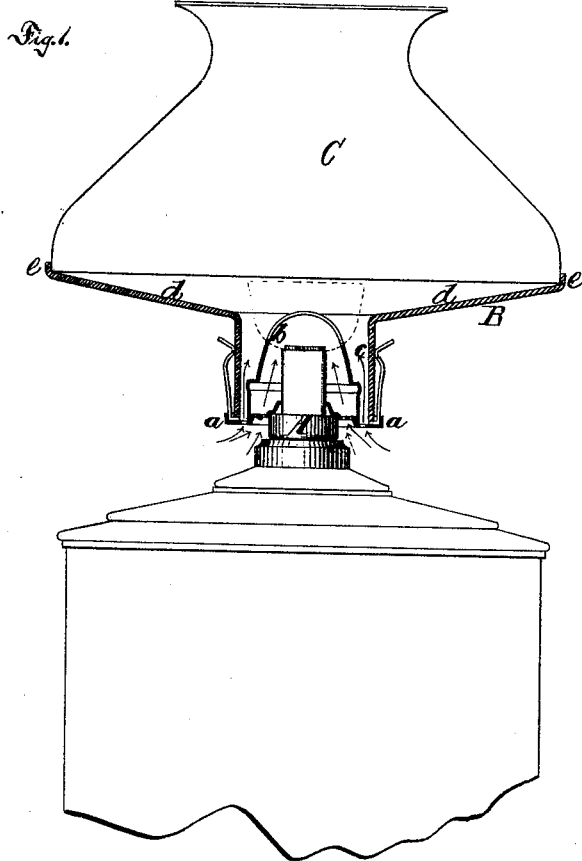
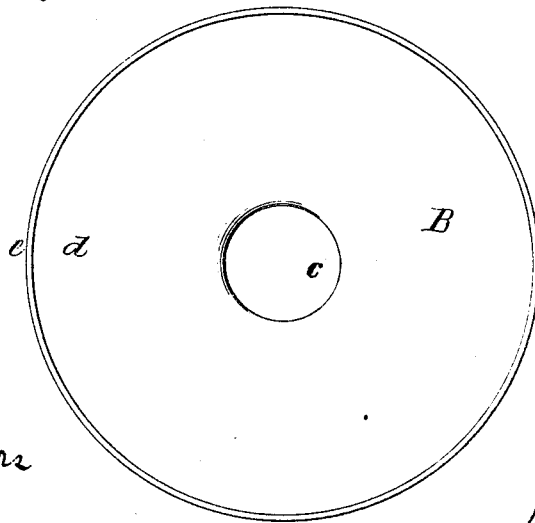


Fig. 2.



Witnesses.

Otto Hempel and  
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Inventor.

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by

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his attorneys.

# UNITED STATES PATENT OFFICE.

CARL VOTTI, OF NEWARK, NEW JERSEY.

## IMPROVEMENT IN SHADE-HOLDERS FOR LAMPS.

Specification forming part of Letters Patent No. **182,973**, dated October 3, 1876; application filed August 18, 1876.

*To all whom it may concern:*

Be it known that I, CARL VOTTI, of Newark, in the county of Essex, and State of New Jersey, have invented a new and Improved Shade-Holder for Lamps, which invention is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a vertical central section. Fig. 2 is a plan or top view.

Similar letters indicate corresponding parts.

This invention consists in the combination of a shade-holder, made of glass or other transparent material, with the cone of the burner of a lamp, the two being so constructed as to provide a free access of air outside and inside the cone, in order to produce a brilliant light without the use of a chimney, as more fully hereinafter set forth.

In the drawing, the letter A designates a lamp-burner, which is provided with a flange, *a*, for the support of the cone *b*, and which, ordinarily, also serves to support the chimney or cylinder. This flange is furnished with holes, through which air is admitted both inside and outside of the cone.

Instead of using the flange *a* for the support of the ordinary chimney, I place on the same my shade-holder B, which is made of glass or other transparent material, and which is provided with a tubular extension or socket, *c*, that fits over the cone *b*, leaving an air-space

between its inner surface and the outer surface of said cone. From said socket extends a broad dish-shaped flange, *d*, which is provided with a rim, *e*, and which serves to support and retain the shade C. The flange *d* is perfectly closed, so that no air will pass to the flame except what is admitted through the perforations in the burner-flange *a*, and by these means I am enabled to produce a bright flame without the use of an ordinary chimney or cylinder. The advantages of this arrangement will be apparent, since it allows of keeping the burner clean, and of trimming the wick without difficulty, and the annoyance of broken chimneys is avoided.

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

The combination of the shade C, shade-holder B, constructed of transparent material, and provided with a downwardly-extending socket, *c*, and dish-shaped flange *d*, with the cone *b*, having a flange, A, provided with apertures for the admission of air to the outside and inside of the cone, the whole arranged to operate without a chimney, substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand and seal.

C. VOTTI. [L. S.]

Witnesses:

JNO. D. PATTEN,

JOSEPH C. WILDMAN.