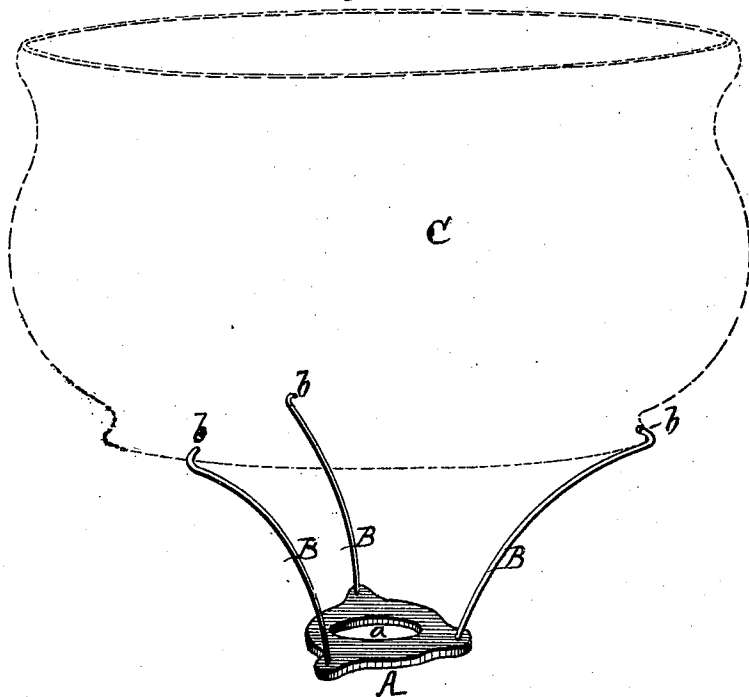


J. ELLIS.  
SHADE-HOLDER.

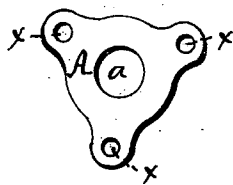
No. 171,784.

Patented Jan. 4, 1876

*Fig 1*



*Fig 2*



WITNESSES

*Frank L. Quisand*  
C. L. Euerh

By

INVENTOR

*John Ellis*  
*Alexander Mason*

Attorney

# UNITED STATES PATENT OFFICE.

JOHN ELLIS, OF LYNN, MASSACHUSETTS.

## IMPROVEMENT IN SHADE-HOLDERS.

Specification forming part of Letters Patent No. 171,784, dated January 4, 1876; application filed September 18, 1875.

*To all whom it may concern:*

Be it known that I, JOHN ELLIS, of Lynn, in the county of Essex and in the State of Massachusetts, have invented certain new and useful Improvements in Shade-Holders; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of a shade-holder, as hereinafter more fully set forth.

In the accompanying drawings, making a part of this application, Figure 1 represents a perspective view of the holder attached to a shade. Fig. 2 represents a plan view of the plate which slips over the burner, and to which the arms which hold the shade are attached.

The object of my invention is to form a shade-holder in a simple, cheap, and effective manner; and to this end I take a plate of thin metal and shape it either round, triangular, or square, and cut a central opening, *a*, therein, and provide it with three or more holes, *x x*, near the edge thereof. B B B represent arms made of wire, which are bent outward and form hooks *b b* at their upper ends. These are passed through the openings *x x* in the plate A by riveting or screwing.

When in use the burner is passed through the hole *a* in the plate A, and the hooks *b b* of the arms B B grasp the lower edges of shade C, as seen in Fig. 1.

The device is simple in construction, is easi-

ly attached and detached, and perfectly effective in operation.

I am aware that a shade-holder consisting of a series of arms formed of flat metal plates, having hooks at the tops, and their bottoms riveted to the under side of a plate, which slips over the burner, is not new. I am also aware that wire arms without hooks, and with their lower ends attached to a ring which is screwed over the burner, is not new.

With my invention the wire arms are connected from top to bottom through the burner-plate A, so that when the shade is grasped by the hooks, the weight of the shade, being downward and outward, will not cause the disengagement of the arms from the plate, as would be liable in the case where flat metal plates are attached to the under side of the burner-plate.

The globe or shade is firmly fixed in position in the holder by springing out the arms, which, upon being released, will exert their elastic force inward.

What I claim is—

The wire rods B B B, having hooks *b* at their upper ends, and their lower ends connected through the perforated plate A, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of September, 1875.

JOHN ELLIS.

Witnesses:

C. L. EVERT,  
EDWARD L. YORK.