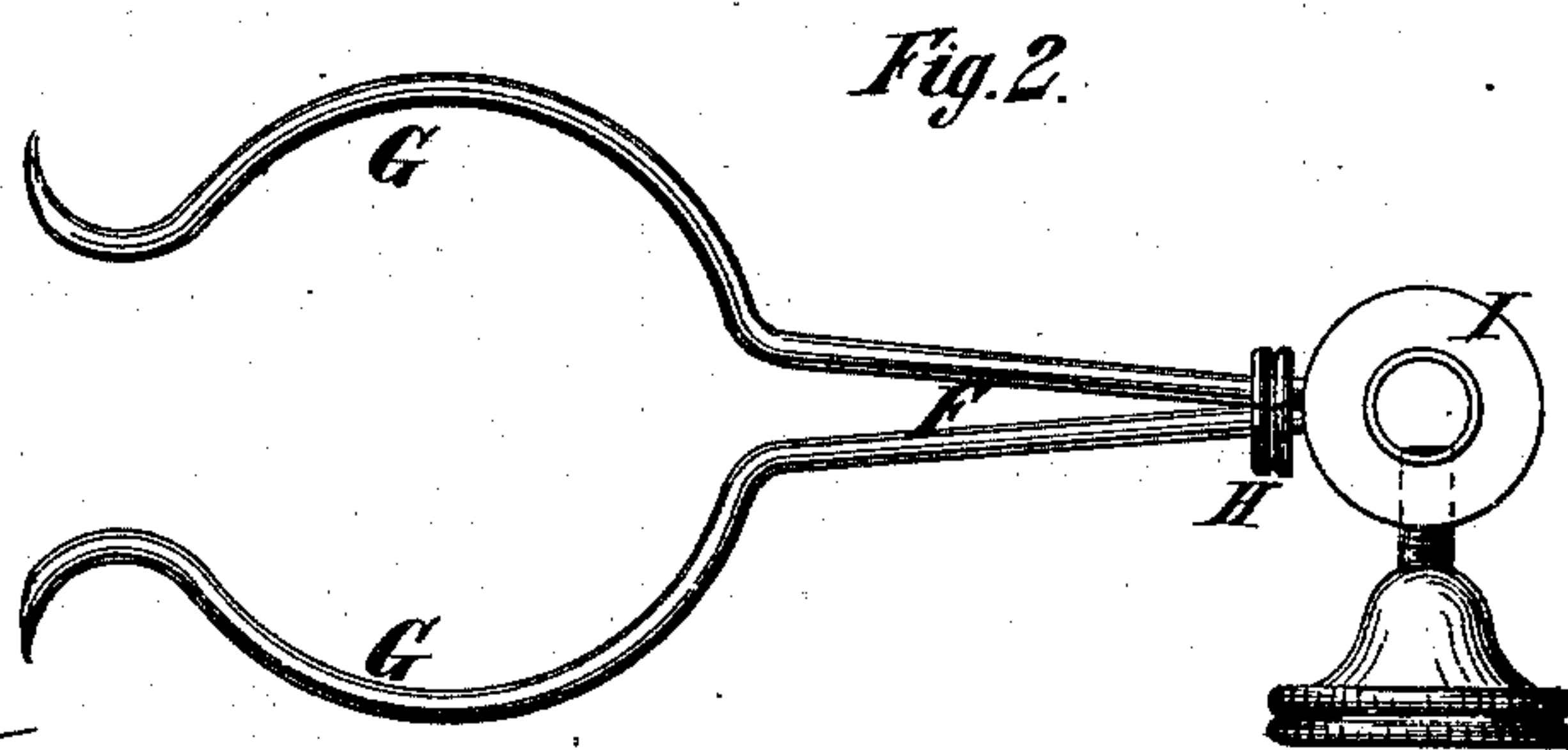
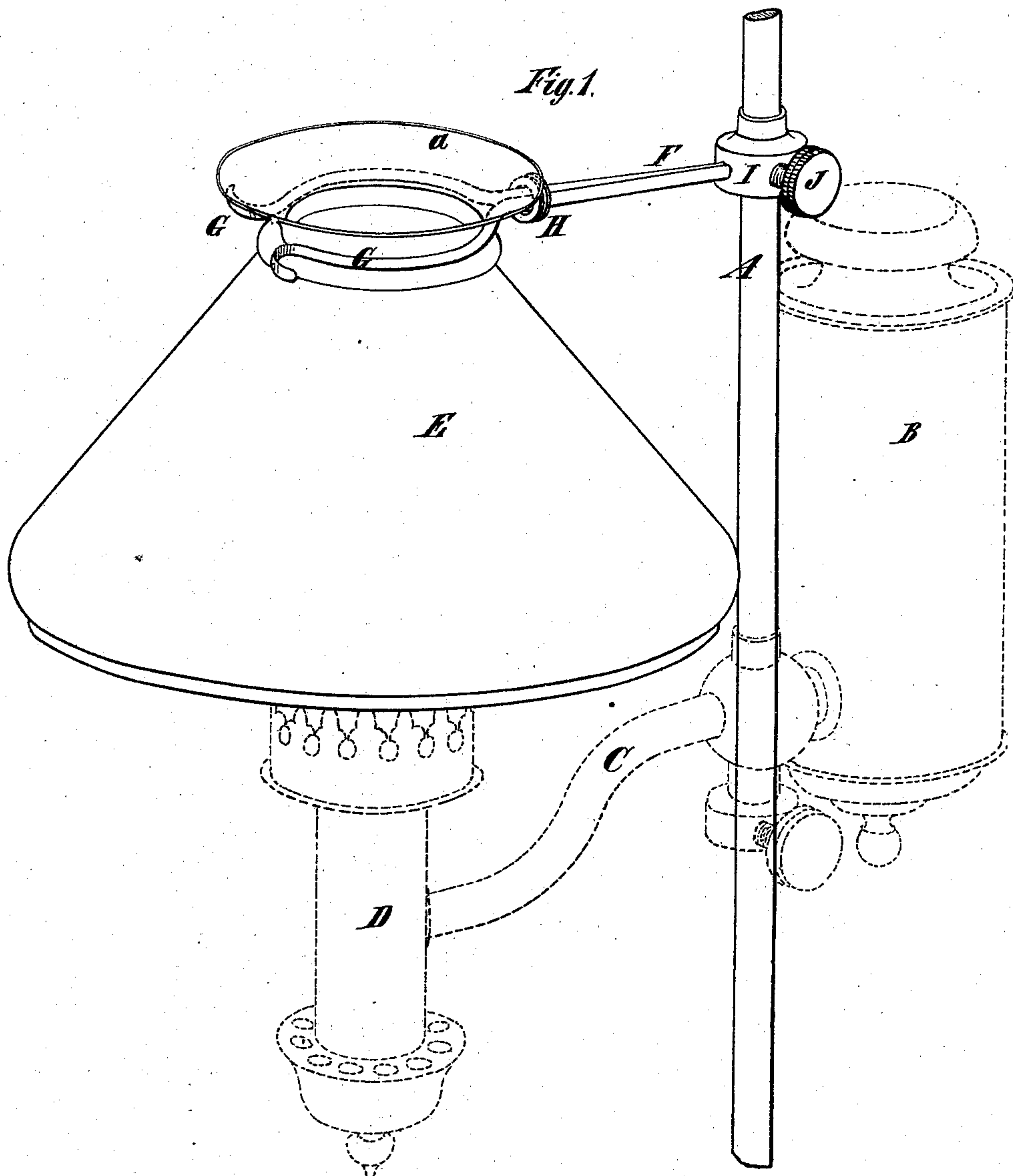


E. S. DRAKE.  
Shade Holder for Lamps.

No. 237,173.

Patented Feb. 1, 1881.



Witnesses

John Becker  
Fred Haynes

Inventor

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# UNITED STATES PATENT OFFICE.

EDWIN S. DRAKE, OF BROOKLYN, NEW YORK.

## SHADE-HOLDER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 237,173, dated February 1, 1881.

Application filed December 10, 1879.

*To all whom it may concern:*

Be it known that I, EDWIN S. DRAKE, of Brooklyn, in Kings county, and State of New York, have invented certain new and useful  
5 Improvements in Shade-Holders for Lamps, of which the following is a specification.

The object of my invention is to provide a shade-holder which will accommodate shades of varying sizes, will admit of the ready ad-  
10 justment and removal of a shade, and will not cast a shadow.

To this end my invention consists in the combination, with a fixed support, of a shade-holder consisting of an arm attached to and extend-  
15 ing from the support and terminating in fingers for embracing and supporting a shade, having resilient shanks, and a ring fitting said fingers and controlling their adjustment. The shade-holder may be provided with a socket  
20 furnished with a set-screw, and the support may consist of a vertical rod upon which the shade-holder may be adjusted vertically without altering the concentricity of the shade and lamp.

My invention also consists in the combina-  
25 tion of a vertical supporting-rod, a lamp adapted to be adjusted vertically upon said rod, and a shade-holder composed of a socket fitting said supporting-rod and furnished with a  
30 set-screw, an arm attached to and extending from said socket and terminating in fingers for embracing a shade, and having resilient shanks, and a ring embracing said shanks and controlling their adjustment, whereby provision  
35 is afforded for adjusting the lamp and shade relatively to each other without altering their concentricity.

In the accompanying drawings, Figure 1 represents a perspective view of a lamp of the  
40 kind known as a "student's lamp," embodying my invention, certain parts of which have no direct relation to the invention, being delineated in dotted lines; and Fig. 2 is a plan or top view of the shade-holder of such lamp de-  
45 tached.

A designates the supporting-rod of the lamp, which may be erected on an ordinary stand or base-piece, or on a chandelier or other fixture.

The lamp here represented is composed of  
50 an oil-reservoir, B, a supply-tube, C, and burner-tube D, all of which may be of the ordinary

or any suitable construction, and the lamp may be adjusted vertically upon the supporting-rod and secured in different positions by means of a set-screw, in the ordinary manner.

E designates a shade for the lamp, of a well-known conical form, terminating at the top in a flaring or crown-like flange, *a*.

F G designate a shade-holder, consisting of an arm, F, in this instance composed of or  
60 comprising the shanks of two fingers, G. It and the fingers are preferably made of metal of suitable resilience to permit the fingers to spread apart to permit the insertion or removal of the shade just below its flange *a* between  
65 them sidewise, and the fingers are preferably approximately semicircular, so that they will embrace and firmly hold the shade. The arm F may, however, be made solid, and the fin-  
70 gers alone capable of spreading apart. The ends of the fingers may be advantageously bent outward in a curved line to facilitate the insertion of the shade by pushing the shade against and between them.

I have shown a device consisting of a ring, H, applied to the shanks of the fingers in such  
75 manner that it may be slid along the same nearer to or farther from the fingers themselves, to secure the fingers in position on a shade.

This shade-holder can be used with shades of varying sizes, and being above the flame of the lamp will not cast a shadow below it, where the light is generally most required.

The arm F may be attached to a socket, I, fitting on the supporting-rod A, and provided  
85 with a set-screw, J, for retaining it in position by clamping it thereon, or it may be permanently affixed to the supporting-rod or its equivalent. When the socket I and set-screw  
90 J are employed it is obvious that the shade may be adjusted vertically without altering its concentricity with the lamp. The former construction may be more desirable for stu-  
95 dents' lamps and the latter for chandeliers and other fixtures.

When the holder is made adjustable the shade can be arranged in any desirable position.

It will be seen that by my invention I pro-  
100 vide a very simple, cheap, and otherwise desirable shade-holder in which a shade may be



securely retained, and yet one from which a shade may be easily removed at pleasure.

I am aware that spring-fingers have been employed for embracing a lamp-collar and attaching thereto a device for supporting a paper in convenient position relatively to the lamp to receive light. I am also aware that spring-fingers have been employed for attaching a reflector to an ordinary chimney. I am also aware that an arm hinged at one end to a support and provided at the other end with a collar composed of two sections connected together by screws and supporting a lamp-shade has been employed. I am also aware that rings have been employed for suspending lamp-shades and reservoirs, said rings being provided with clamping devices for securing the lamp shade or collar in the ring. I do not therefore claim these as my invention.

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

1. The combination, with a fixed support, of a shade-holder consisting of an arm attached to and extending from the support and terminating in fingers for embracing and supporting a shade, having resilient shanks, and a ring fitting said shanks and controlling their adjustment, substantially as specified.

2. The combination, with a stationary sup-

porting-rod, of a shade-holder consisting of a socket fitting said supporting-rod and furnished with a set-screw, an arm attached to and extending from said socket and terminating in fingers for embracing a shade, and having resilient shanks, and a ring fitting said shanks and controlling their adjustment, whereby, in a simple manner, the shade may be supported so that it may be adjusted vertically without altering its concentricity with the lamp, substantially as specified.

3. The combination of a vertical supporting-rod, a lamp adapted to be adjusted vertically upon said rod, and a shade-holder composed of a socket fitting said supporting-rod and furnished with a set-screw, an arm attached to and extending from said socket and terminating in fingers for embracing a shade, and having resilient shanks, and a ring for embracing said shanks and controlling their adjustment, whereby provision is afforded for adjusting said lamp and shade relatively to each other without altering their concentricity, substantially as specified.

EDWIN S. DRAKE.

Witnesses:

EDWIN H. BROWN,  
CHANDLER HALL.