

William H. Horton's Improvement in Lamp Shades.

74537

PATENTED

FEB 18 1868

Fig. 1.

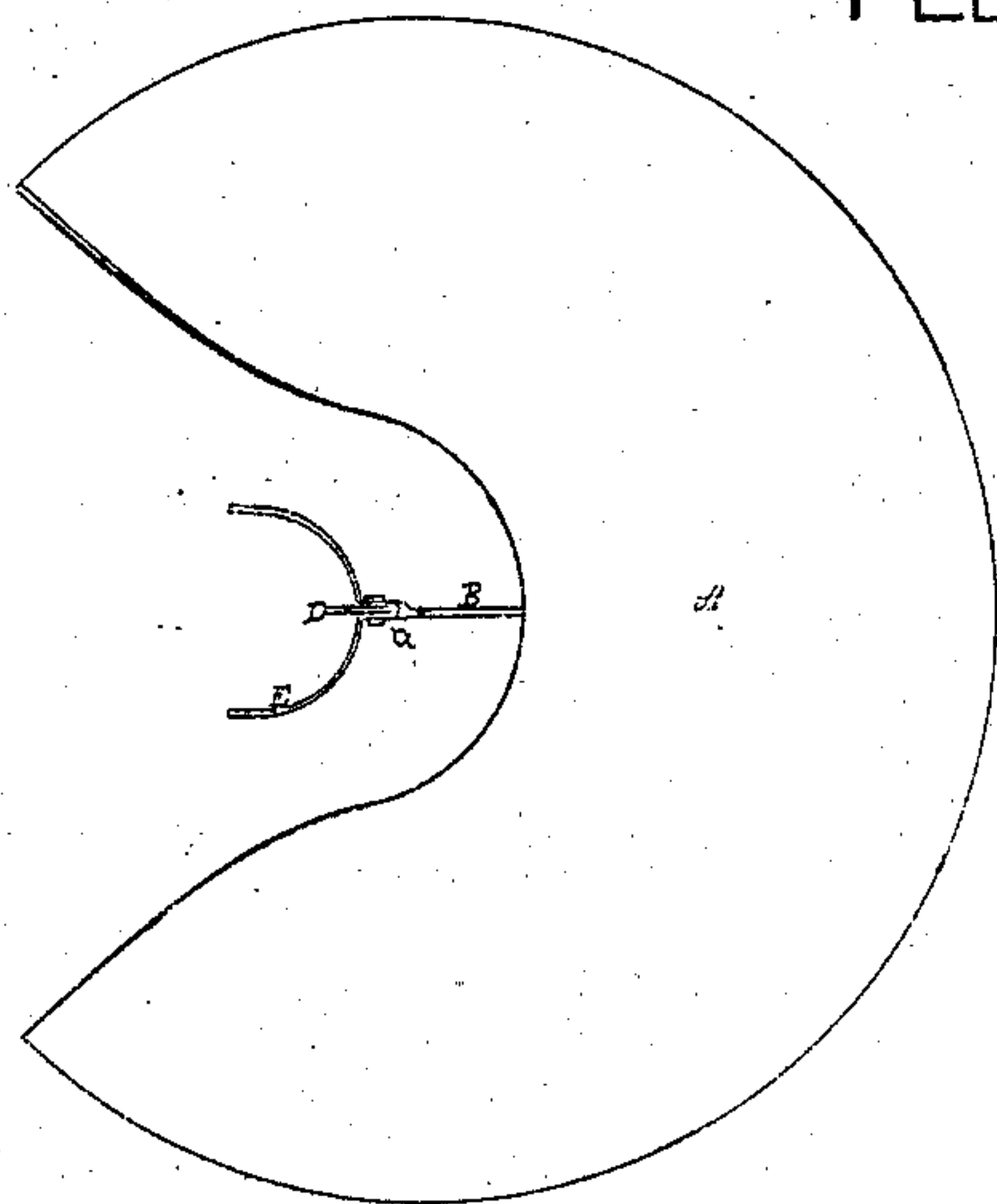


Fig. 2.

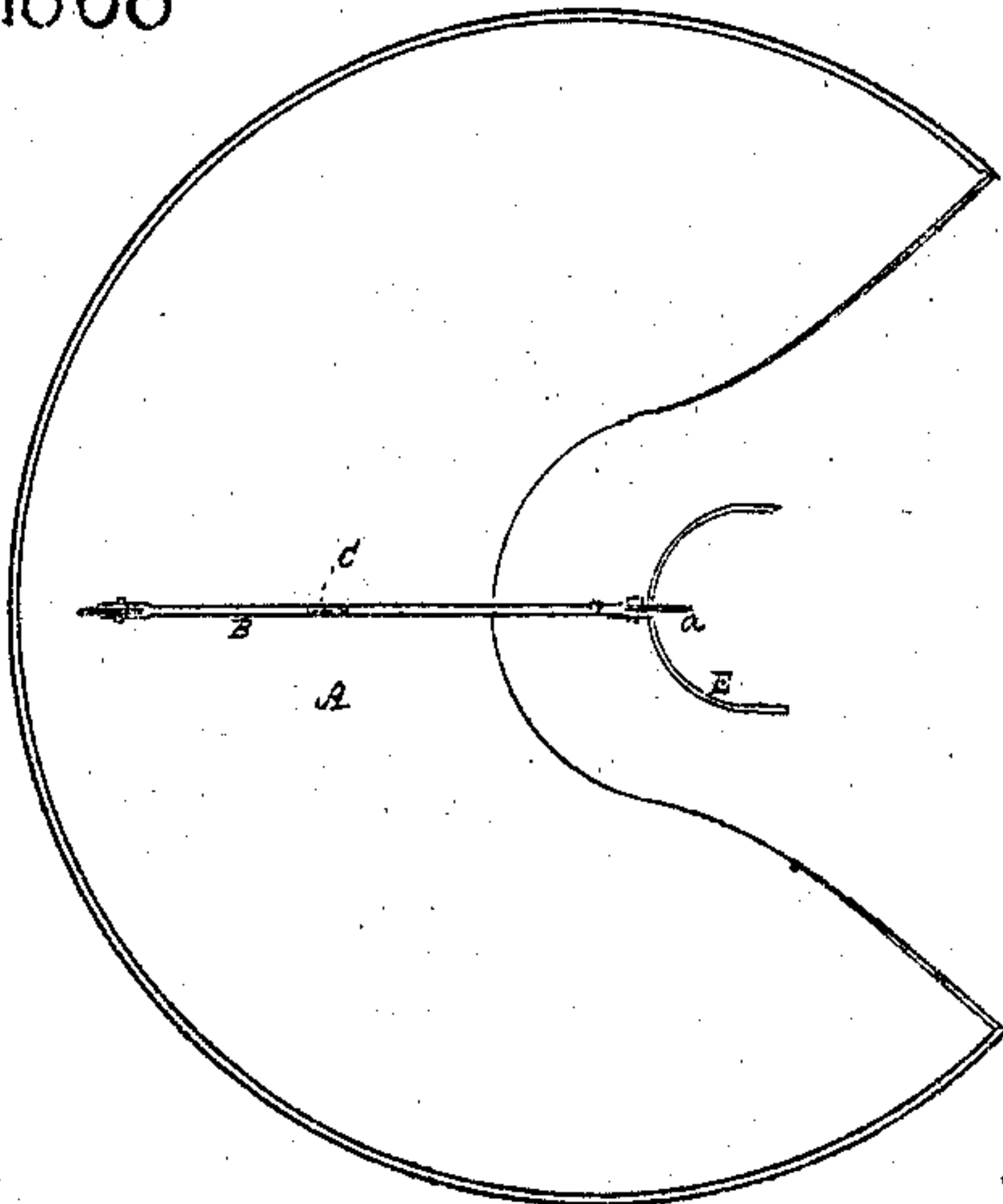


Fig. 3.

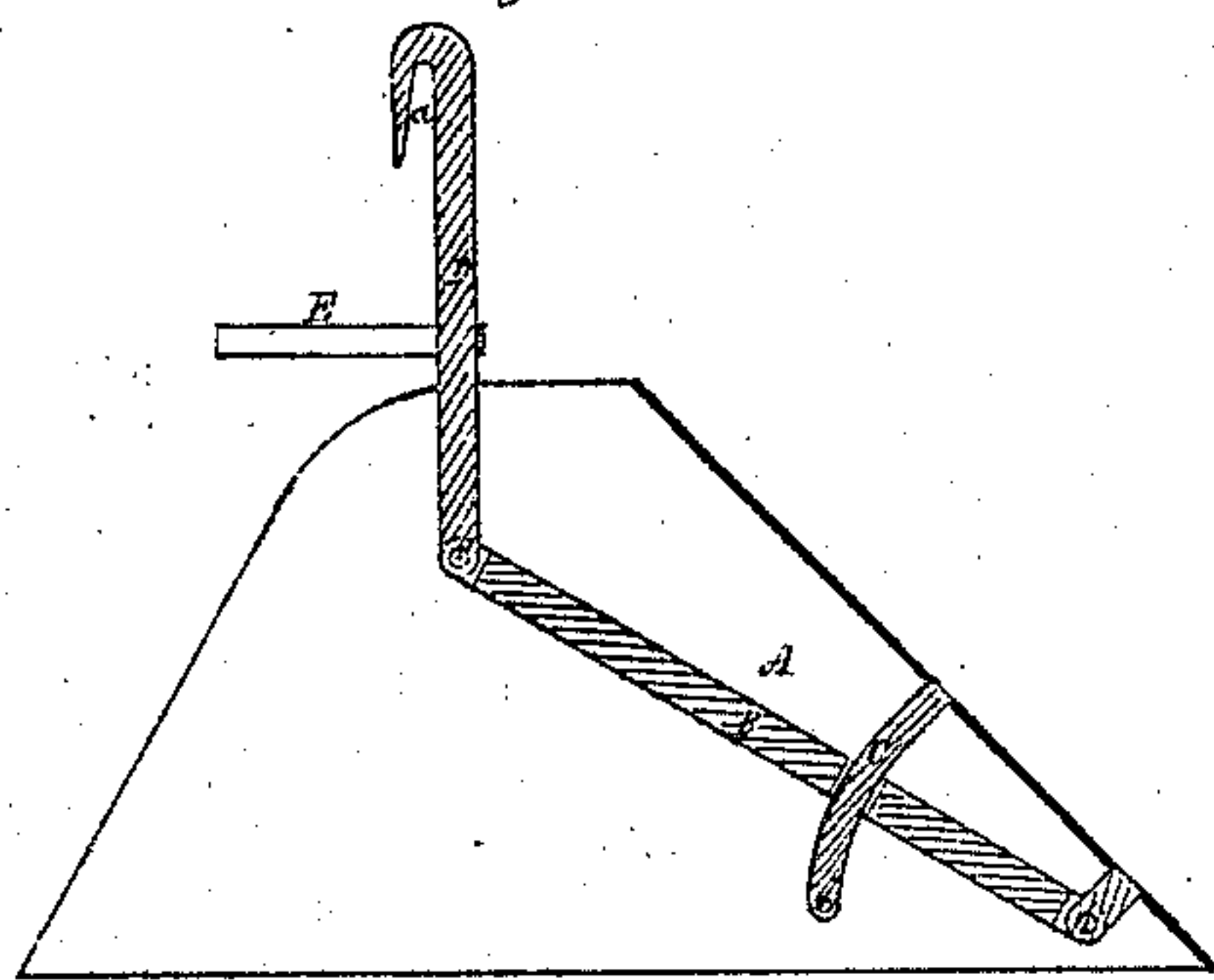


Fig. 5.

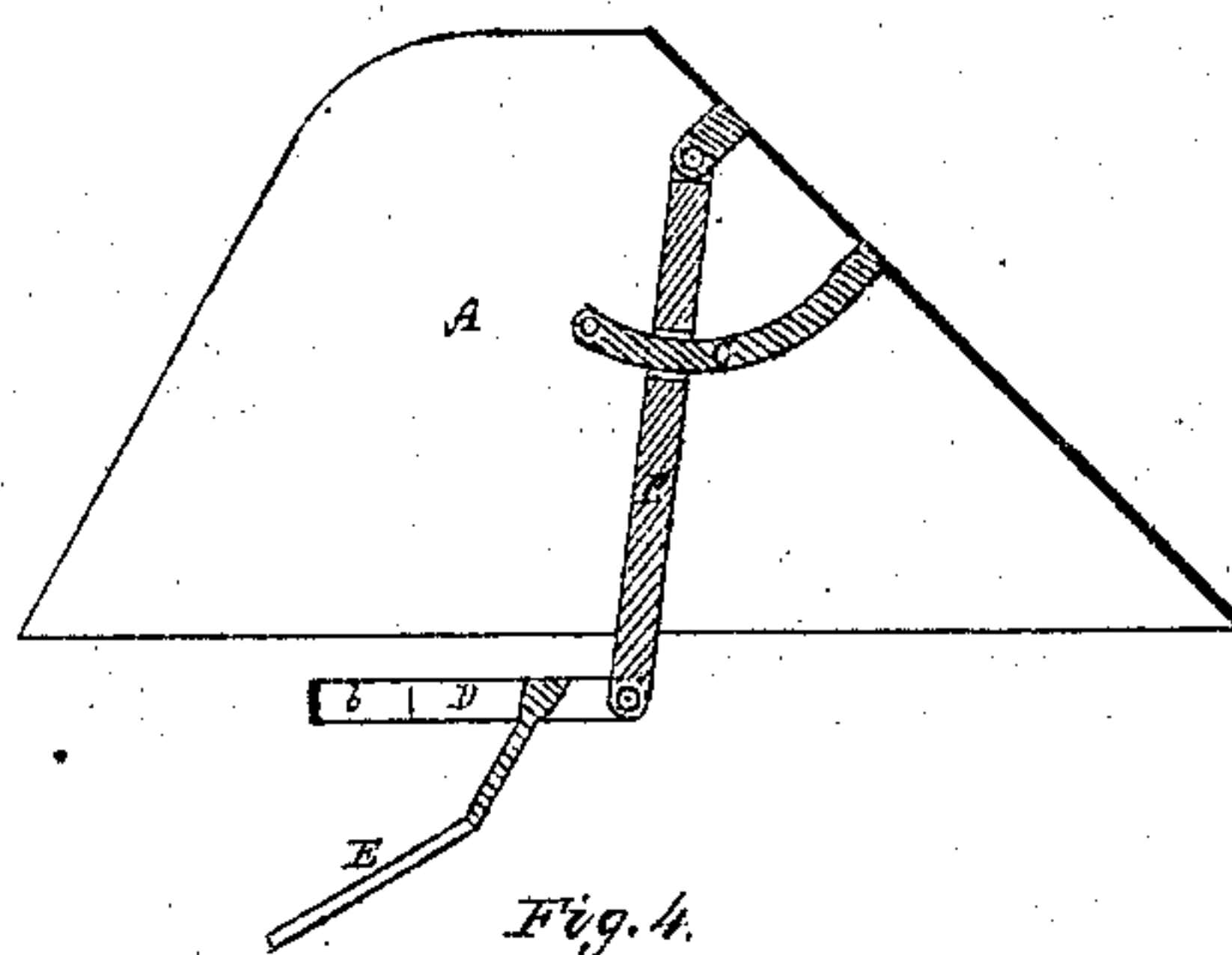
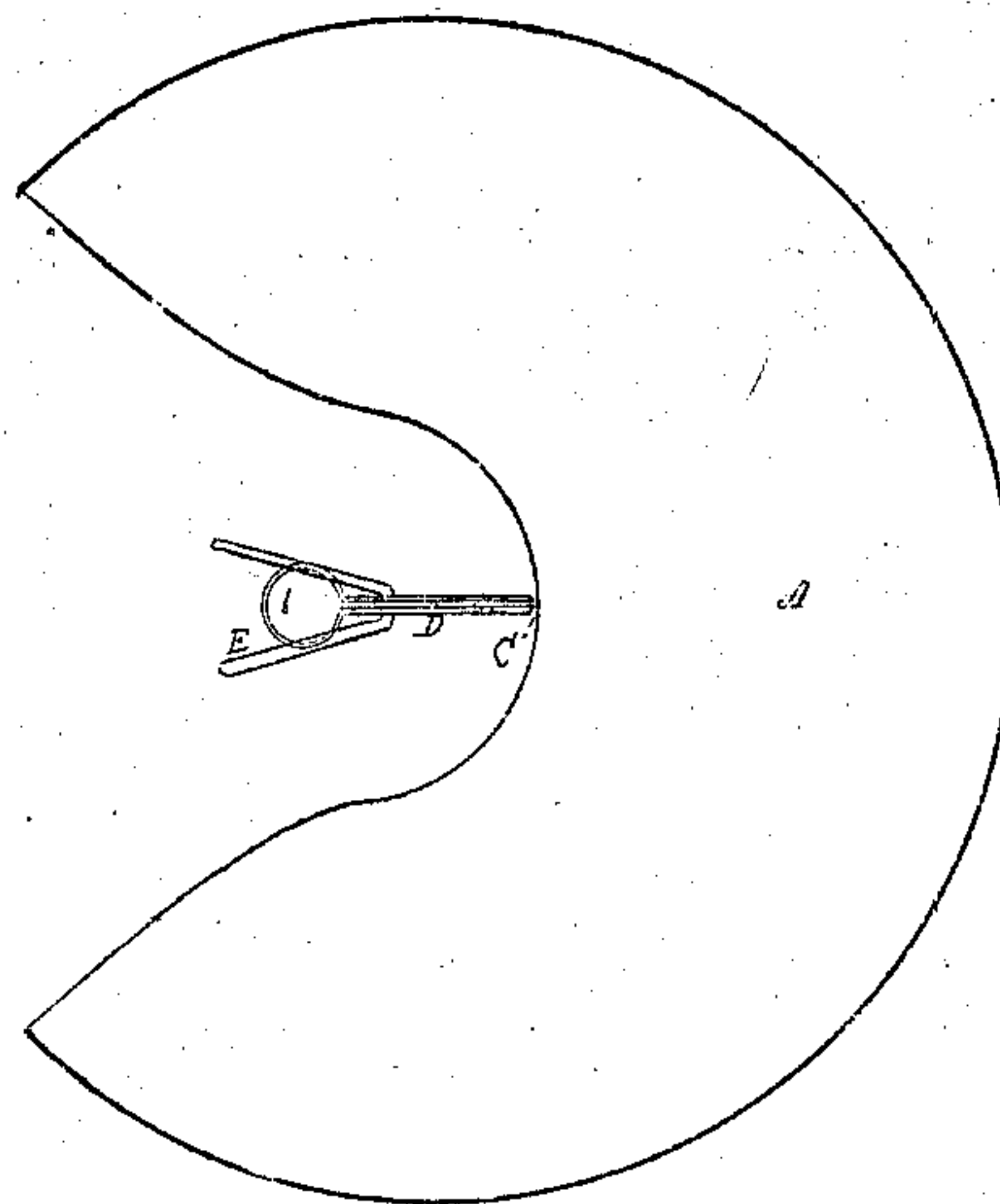


Fig. 4.



Witnesses. *W. H. Horton.*
Samuel N. Piper. *by his attorney.*
J. B. Lewis. *R. W. Eddy*

United States Patent Office.

WILLIAM H. HORTON, OF CHELSEA, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND NATHAN P. BROWN, OF SAME PLACE.

Letters Patent No. 74,537, dated February 18, 1868; antedated December 27, 1867.

IMPROVEMENT IN LAMP-SHADES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, WILLIAM H. HORTON, of Chelsea, in the county of Suffolk, and State of Massachusetts, have made a new and useful invention having reference to Lamp-Shades; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 denotes a top view,

Figure 2 a bottom view, and

Figure 3 a transverse section of a lamp-shade provided with my invention, by which it may be applied to a glass chimney of a common kerosene-lamp.

Figure 4 is a top view, and

Figure 5 a transverse section of a lamp-shade with my invention, as formed for application of the shade to a gas-burner.

In the drawings, A denotes the shade, it being a piece of sheet metal bent in the form analogous to the outer curved surface of the hoof of a horse. A bar, B, hinged at one end to the inner surface of the shade, slides on an arch-piece or curved arm, C, extended from the said surface, and through a slot in the bar. The purpose of the curved arm is to steady the bar, and hold it in any desirable angular position, with the shade within the limits of motion of the bar on the arm. The arm so holds the bar by bearing closely or with friction against the opposite sides of the slot in the bar. The bar B, at its free end, is jointed to another bar, D, which terminates either in a hook, as shown at *a*, in fig. 3, or in an eye, as shown at *b*, in figs. 4 and 5. There also extends from the bar D a fork, E, the same being as represented in figs. 1, 2, and 3, or in figs. 4 and 5. The hook and the fork enable the shade-holder to be applied to a glass-lamp chimney, the hook being caught on the top of the chimney, and the fork being made to embrace the chimney. The eye is to receive and fit on a gas-burner, which the fork is to embrace, and thereby aid in holding the part D to the burner.

By such means, the shade may not only be fixed to but adjusted into different angles with the burner or lamp, as the case may be, and as occasion may require.

I claim the lamp-shade supporter and adjuster, consisting of the friction-arm C, the bars B and D, arranged and applied together and to the shade as set forth.

I also claim the combination and arrangement of the fork E with the arms C B D, arranged and applied together, and to the shade A, substantially as hereinbefore explained.

WM. H. HORTON.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.