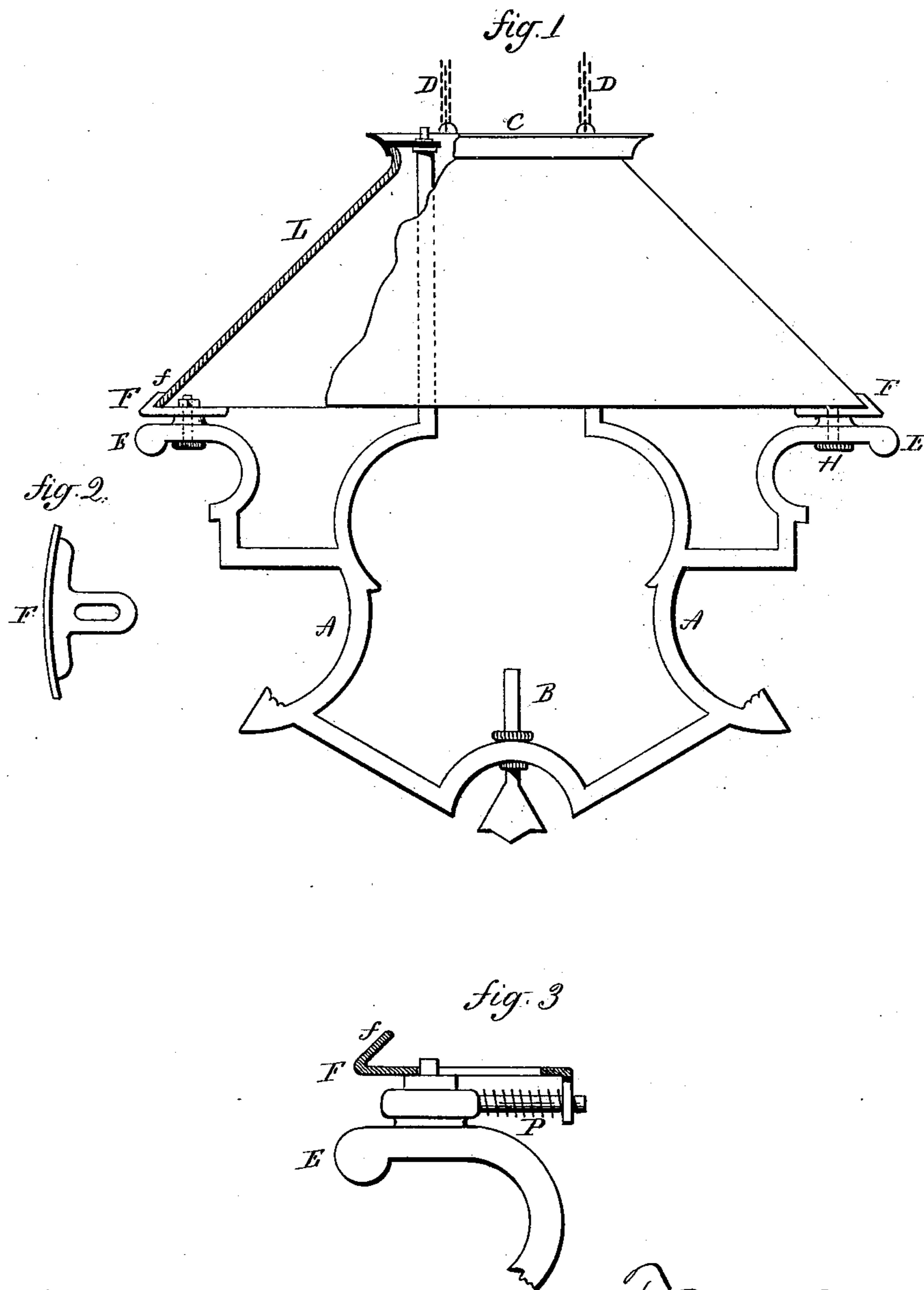


(No Model.)

F. R. SEIDENSTICKER.
Extension Lamp Fixture.

No. 233,879.

Patented Nov. 2, 1880.



Witnesses:

J. H. Shumway.
A. R. Thompson.

F. Robert Seidensticker
Inventor.
By atty.
John Earle

UNITED STATES PATENT OFFICE.

F. ROBERT SEIDENSTICKER, OF WEST MERIDEN, CONN., ASSIGNOR TO THE
BRADLEY & HUBBARD MANUFACTURING COMPANY, OF SAME PLACE.

EXTENSION LAMP-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 233,879, dated November 2, 1880.

Application filed July 21, 1880. (No model.)

To all whom it may concern:

Be it known that I, F. ROBERT SEIDENSTICKER, of West Meriden, in the county of New Haven and State of Connecticut, have
5 invented a new Improvement in Extension Lamp-Fixtures; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and
10 exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a sectional side view; Fig. 2, the shade-holder detached; Fig. 3, a modification
15 of the same.

This invention relates to an improvement in that class of extension lamp-fixtures in which the shade is made stationary relatively to the lamp fount and burner, so that when the lamp
20 is moved up or down the shade moves with it; and particularly to that class in which the arms which support the lamp and connect it with the balancing mechanism above are arranged inside the lamp-shade. In the usual construction of this last-mentioned class the shade is
25 suspended from a ring at the top, leaving the lower edge entirely exposed and free from any connection with the arms or fixture.

The object of this invention is to support the
30 shade from the lower edge, whereby the edge is less exposed and the neck is left free and independent of any supporting device, so that the great variation of temperature at the neck will not cause the shade to break, which is
35 frequently the case in the class of fixtures where the shade is supported at the top; and the invention consists in the construction as hereinafter described, and particularly recited in the claims.

40 A represents the frame or arms, provided at the center, B, with a device to hold the lamp-fount. The arms extend upward, and are preferably attached to a ring, C, to which the chains D are attached; but they may be at-
45 tached directly to the end of the arms, and the ring C thereby dispensed with. From each side of the frame an arm, E, extends outward, to each of which a shade-holder clamp, F, is attached. These shade-holders are preferably
50 made in the form of a segment of a circle, as seen in Fig. 2, with a flange, f, turned upward and inward, as seen in Fig. 1, and attached to the arms E by a set-screw, H, through a slot in the arm or in the holder, so that the

holders may be moved inward or outward to
55 adapt themselves to varying diameters of shades.

The shade L is of the usual conical shape, arranged outside the frame or supporting-arms, and its lower edge is set into the holder, as seen
60 in Fig. 1, and there secured independent of the fixture at other points. By this construction there need be no contact of the neck of the shade with metal about it; hence the great and sudden change of temperature to which
65 the shade is subjected at the neck finds the shade free to expand or contract at that point, and the shade, being supported at its lower edge, is protected to a great extent from lia-
70 bility of breakage.

The shade-holder may extend to a greater or less extent around the shade, and so as to make an entire protection and support for that edge.

Instead of adjusting by set-screws, as seen
75 in Fig. 1, the holder F may be arranged with a spring, P, the tendency of which is to force the holder inward, but yields for the introduction of the shade. I therefore do not wish to
80 be understood as confining this invention to any particular construction of holders, except that it be a holder which is secured to or extends from the arm within the shade, and so as to engage with or support the shade entirely
85 from the lower edge.

I claim—

1. In a lamp-fixture in which the fount-supporting arms extend upward within the shade, and which are supported from above, a support for the shade, extending from the lamp-
90 supporting arms outward at the lower edge of the shade, and there provided with a seat to engage the shade and support it entirely by its lower edge, substantially as described.

2. In a lamp-fixture in which the fount-supporting arms extend upward within the shade, and which are supported from above, a support for the shade, extending from the lamp-
95 supporting arms outwardly, and provided with a seat to receive and hold the shade by its
100 lower edge, such seat being made adjustable horizontally relatively to the diameter of the shade, substantially as described.

F. ROBERT SEIDENSTICKER,

Witnesses:

F. J. SEIDENSTICKER,
A. M. BROOKS.