

(No Model.)

W. S. BERG.

LAMP SHADE.

No. 412,828.

Patented Oct. 15, 1889.

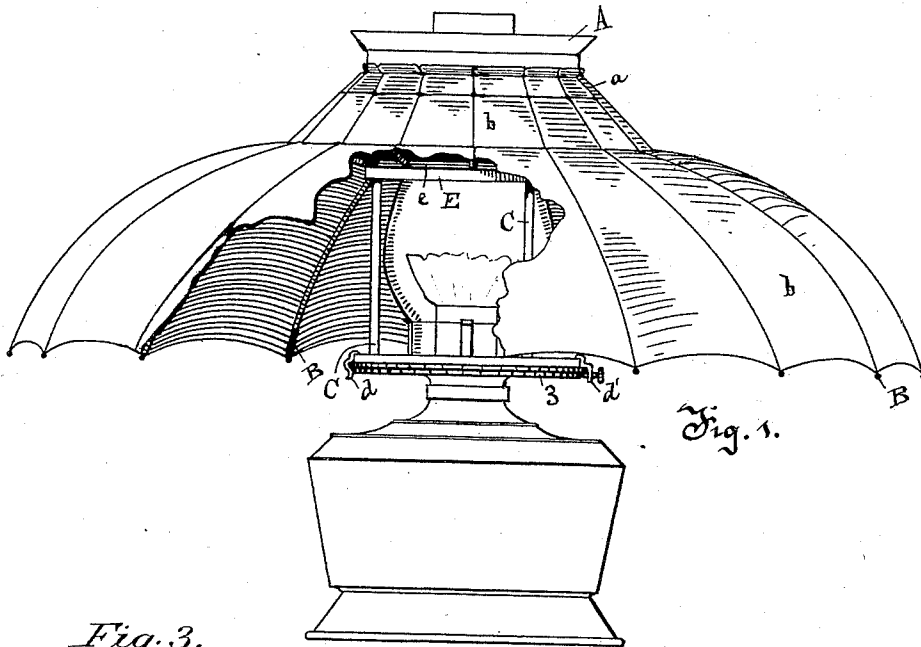


Fig. 1.

Fig. 3.

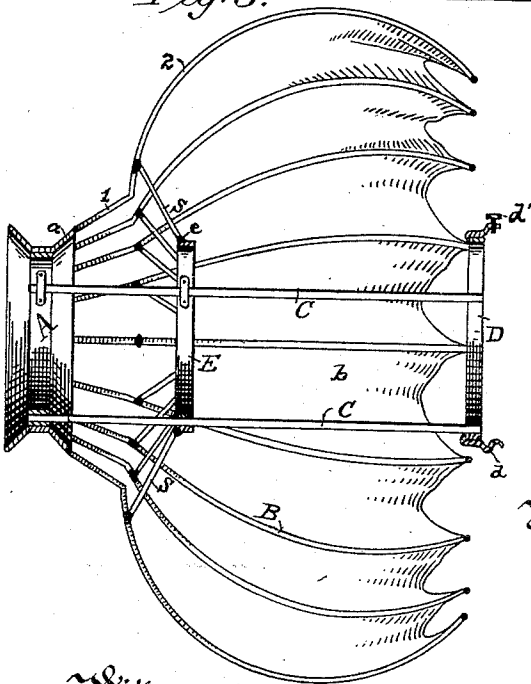
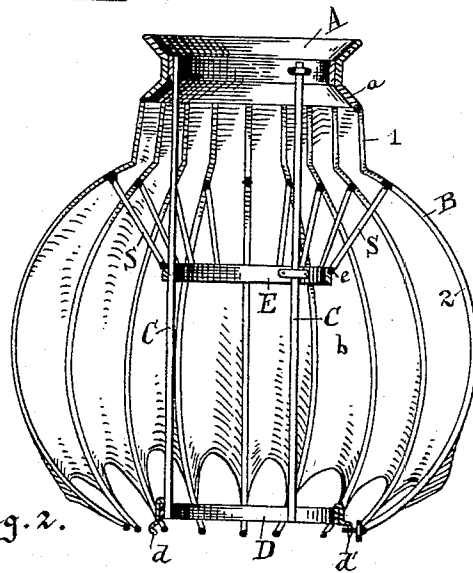


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WALTER S. BERG, OF PHILADELPHIA, PENNSYLVANIA.

LAMP-SHADE.

SPECIFICATION forming part of Letters Patent No. 412,828, dated October 15, 1889.

Application filed June 22, 1889. Serial No. 315,211. (No model.)

To all whom it may concern:

Be it known that I, WALTER S. BERG, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Lamp-Shades, of which the following is a specification.

My invention relates to extensible lamp-shades that can be folded and closed when not in use, and my present improvement is a modification of a companion application of even date hereof.

My invention contemplates the production of a lamp-shade the contour and shape of which can be changed at will by a simple movement, whereby beautiful and varied configurations are secured.

I denominate my invention as a "canopy lamp-shade," the construction of the device, combinations of the several elements, and operation thereof being hereinafter fully described, illustrated in the drawings, and specifically pointed out in the claims.

Referring to the accompanying drawings, wherein like letters of reference point out similar parts on each figure, Figure 1 represents a lamp provided with a shade extended to its full capacity embodying my invention, certain parts being broken away. Figs. 2 and 3 represent vertical sections of the shade elevated at different altitudes, the covering fabric being partly broken away.

The principal purpose of my present invention is the production of a lamp-shade that can have its outer configurative lines altered at will, even while on the lamp.

The frame-work consists, essentially, of a top notch-ring A, having pivotally attached to the periphery of a lower outwardly-flaring flange a a series of ribs B, radiating therefrom, of novel shape and character, the ribs being covered with suitable fabric b. Said ribs are not bent their full length into corresponding uniform curvatures, but at a given point or points of their lengths are bent to assume segmental lines diverse from the inclination or dome reaching from the point of juncture to the flange a. In the drawings said ribs B are shown as radiating in an ob-

lique line from the pivotal connection a portion of their length, thus composing a section 1. From thence each rib is curved toward its end to form the segmental section 2, and it is manifest that after being covered, if they are elevated at diverse altitudes, several forms of canopies will be formed.

Firmly attached at their upper ends to the collar of the ring A are a series of vertical supporting-rods C, their lower ends being permanently connected to a base-ring D, said ring being adapted to be detachably adjusted by means of a clip d, thumb-screw d', or any suitable device, to the ring-plate 3, which forms part of an ordinary lamp or gas fixture for the reception of a globe, chimney, or both.

E is a runner-ring having eyes or staples, through which pass the rods C, and upon which it is free to travel vertically. Pivoted at one end of the notched periphery e of the ring E, and extending therefrom to each rib B, are a series of short stretchers S, the outer end of each of said stretchers being pivoted to one of said ribs. It is manifest that after the base-ring D is adjusted upon the plate 3 and said runner-ring is drawn upward or downward it will operate the stretchers and through them the ribs B, which will be made to assume divers segmental arcs of a circle, even approaching oviform, as seen in Fig. 2, the sections 1 of the ribs unitedly forming a graceful dome of smaller diameter than that composed by the curved sections 2.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An extensible-canopy lamp-shade consisting of fabric-covered ribs, the upper sections of which are inclined in a straight line from their points of connection to a top notch-ring A, to compose a dome of given dimension and contour, said ribs being from thence curved toward their terminal points to compose the section of a sphere of larger dimensions, in combination with runner-ring E and stretchers S, pivotally connected at opposite ends to said ring and ribs, substantially as described.

2. An extensible-canopy lamp-shade con-

sisting of fabric-covered ribs B, bent to compose sections 1 and 2, in combination with runner-ring E, stretchers S, and vertical supporting-rods C, permanently attached at their
5 upper ends to top notch-ring A and at their lower ends to base-ring D, said rods passing intermediately through orifices of runner-

ring E, whereby as said runner-ring is moved vertically the canopy will assume varied configuration, substantially as described.

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Witnesses:

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