

R. W. CHURCHILL.

Lamp Shade

No. 95,000.

Patented Sept. 21, 1869.

Fig. 1.

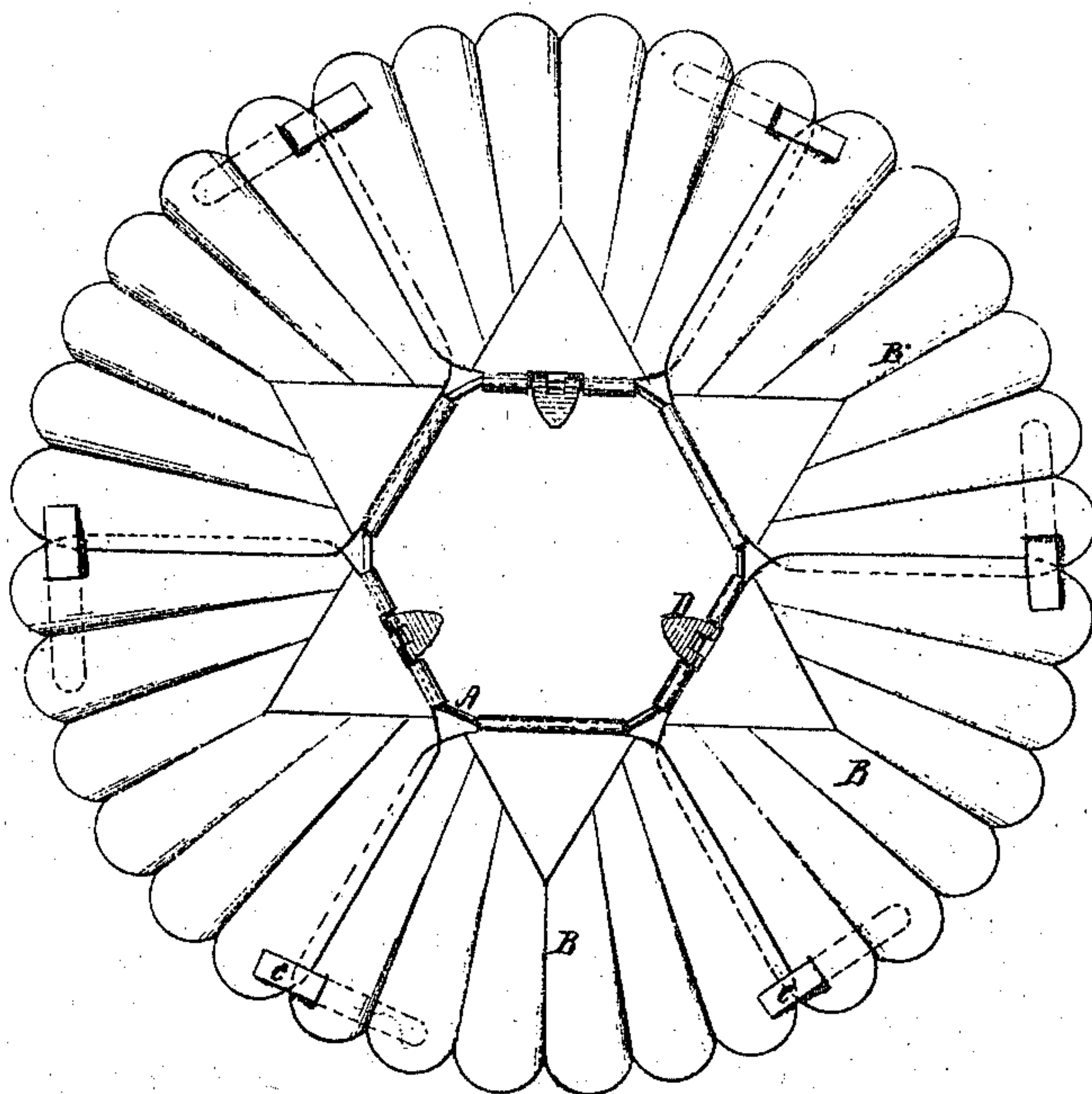
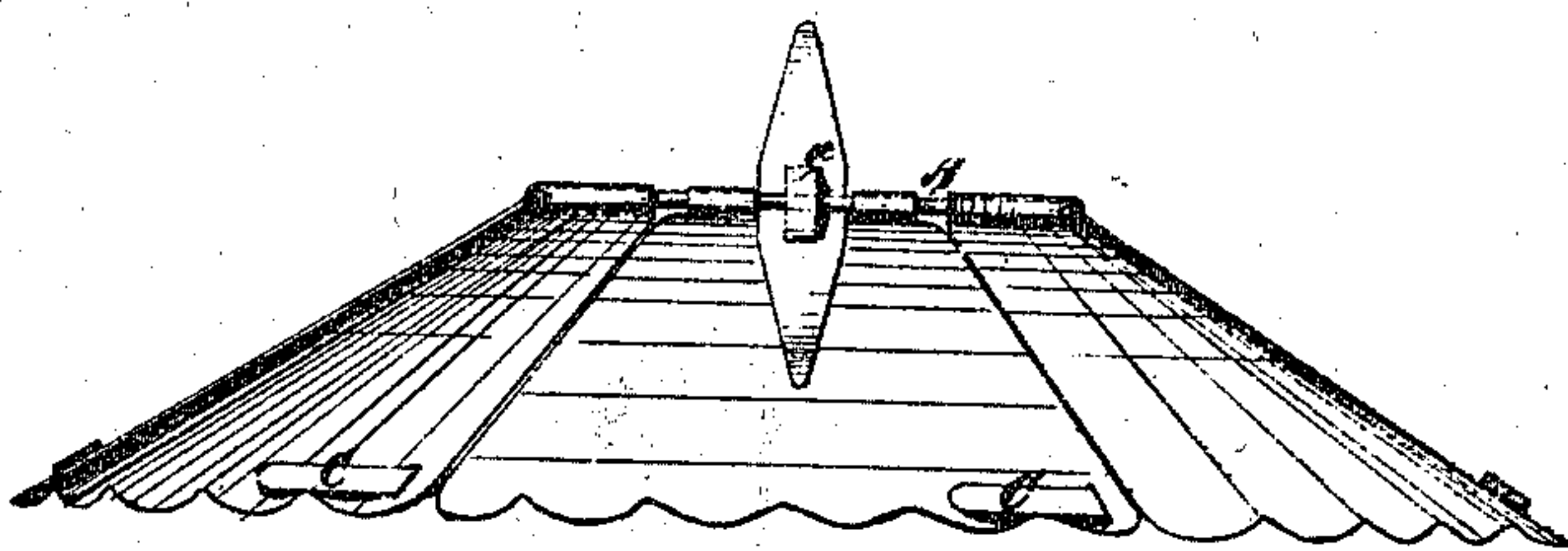


Fig. 2.



Witnesses:

A. Bennekenendorf.

Geo. W. Mabee

Inventor:

R. W. Churchill

PER

[Signature]
Attorneys.

United States Patent Office.

R. W. CHURCHILL, OF BRIDGEPORT, CONNECTICUT.

Letters Patent No. 95,000, dated September 21, 1869.

IMPROVEMENT IN LAMP-SHADES.

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

To all whom it may concern:

Be it known that I, R. W. CHURCHILL, of Bridgeport, in the county of Fairfield, and State of Connecticut, have invented a new and improved Lamp-Shade; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in lamp-shades for application to the glass chimneys of kerosene and other similar lamps, having for its object to provide an improved construction and arrangement for shades made in sections, for expanding and contracting, to vary the extent of the shade.

Figure 1 represents a plan view of my improved shade, and

Figure 2 represents a section of the same.

Similar letters of reference indicate corresponding parts.

A represents the hexagonal wire support, and B, the segmental sections of the shade, hinged thereto, so as to work freely up and down, for expanding or contracting. These sections lap at the edges, so as to admit of expanding or contracting to a considerable extent, without permitting the light to pass between them, as shown in dotted lines.

Near the base, each section is provided with a tongue, C, projecting laterally therefrom, or in a plane parallel with the plain border of the adjoining section,

and through a slot of the latter, at the junction of the said plain border with the raised part, in such a way as to cause the sections to move, and be maintained uniformly in the same relative positions, in expanding or contracting.

D represents semi-elliptical springs, hinged to the wire support, and arranged to press tightly upon the glass chimney, to hold the shades at any position on the said chimney.

These springs are hinged to the said wire by cutting two longitudinal parallel slits near the centre, and pressing the part *a* between them inward, to make room for inserting the wire between the said part *a*, and the parts outside the said slots.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The improved expanding lamp-shade, above described, formed by the combination of hexagonal wire support A, hinged adjustable shade-sections B, tongue C, and semi-elliptical springs D, all being arranged with respect to each other, and fitted together, substantially as shown and described.

The above specification of my invention signed by me, this 28th day of May, 1869.

R. W. CHURCHILL.

Witnesses:

FRANK BLOCKLEY,
A. E. BEACH.