

J. V. DUNLAP.

Lamp Shade.

No. 59,566.

Patented Nov. 13, 1866.

Fig: 1.

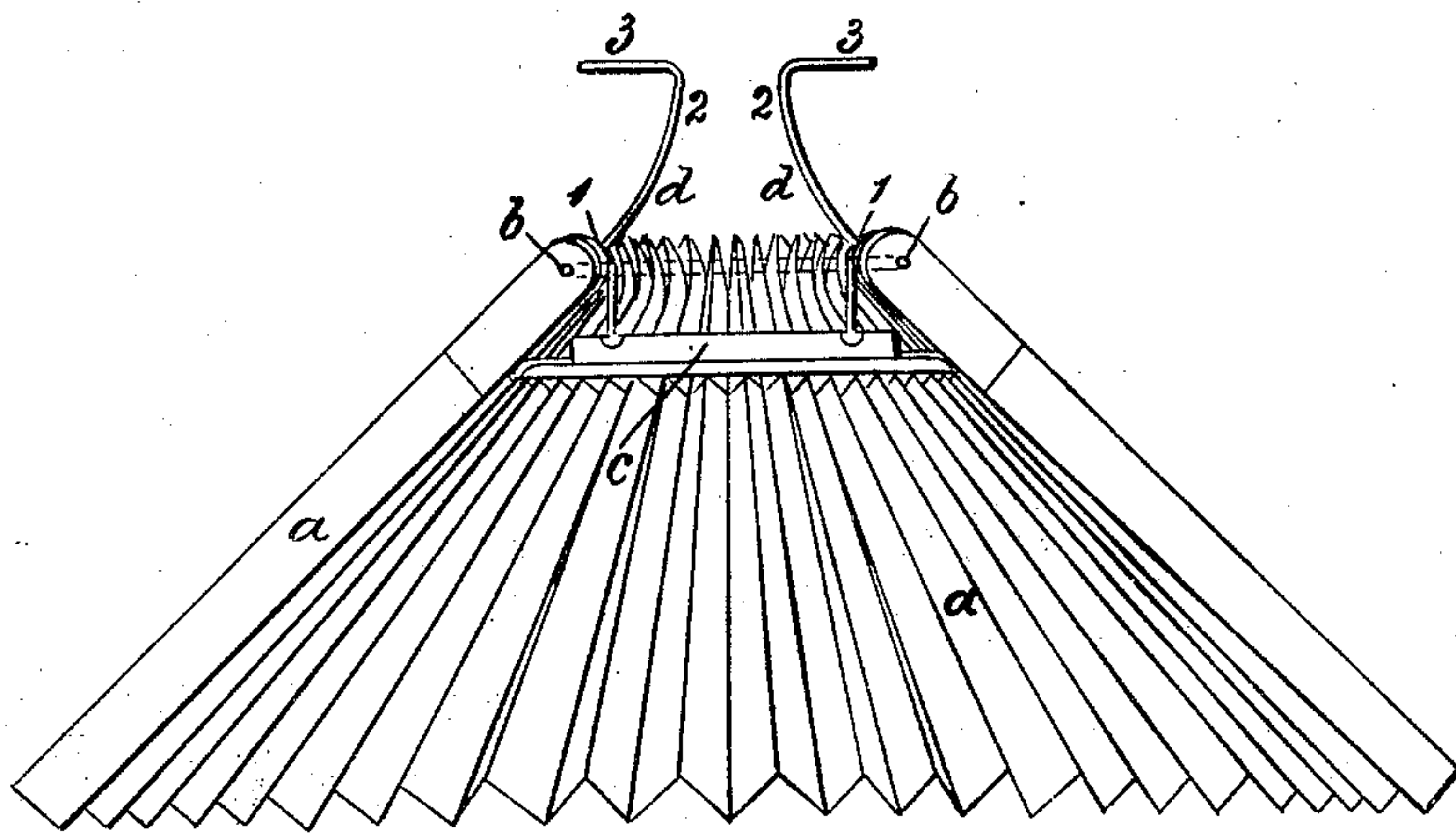
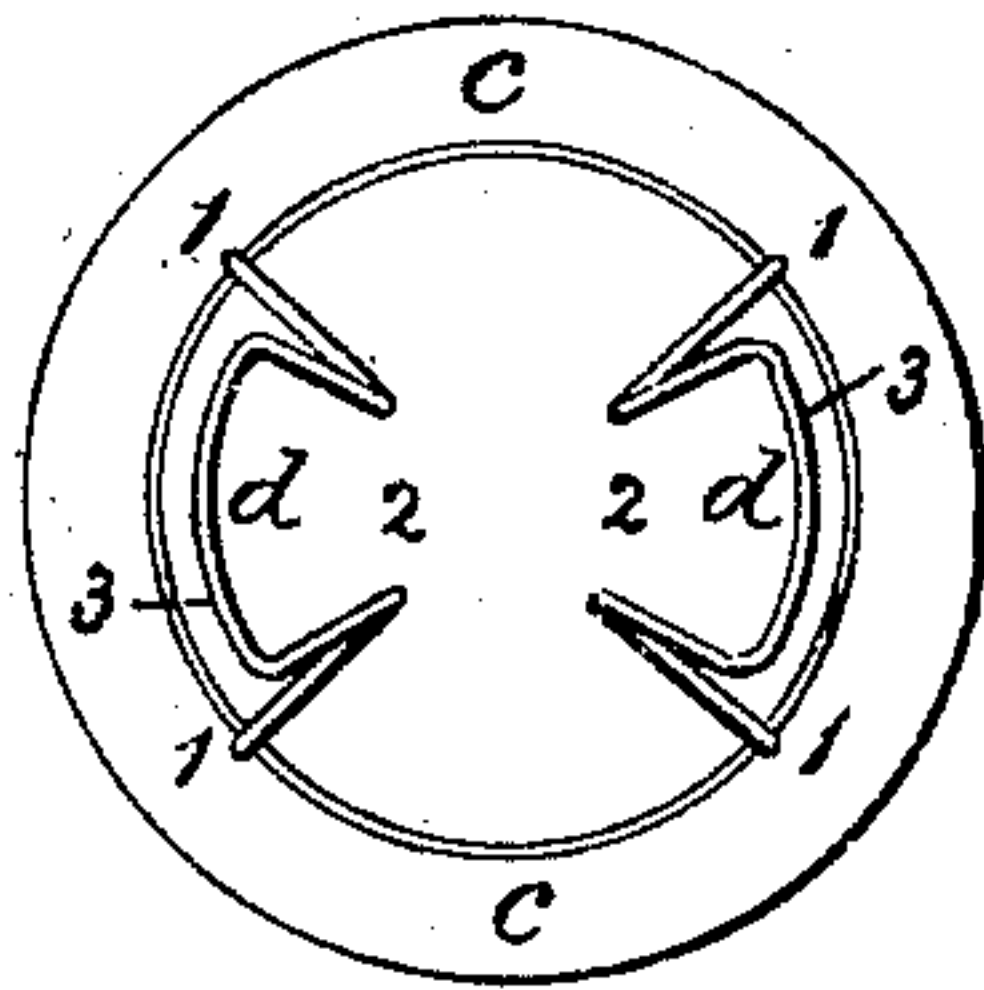


Fig: 2.



Witnesses:

Geo. S. Walker
Chas. H. Smith:

Inventor:

J. V. Dunlap.
per L. W. Serrell.
atty.

UNITED STATES PATENT OFFICE.

JAMES V. DUNLAP, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN LAMP-SHADES.

Specification forming part of Letters Patent No. 59,566, dated November 13, 1866.

To all whom it may concern:

Be it known that I, JAMES V. DUNLAP, of Hartford, in the State of Connecticut, have invented, made, and applied to use, a certain new and useful Improvement in Lamp-Shades; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a section of the shade and holder, and Fig. 2 is a plan of said holder.

Similar letters denote the same parts.

Lamp-shades have heretofore been made with a folded paper cone, connected at the upper end by a ring or annulus applied to a holder that sets upon the lamp-chimney, as shown in the patent of C. St. John, October 17, A. D. 1856. In this the wire ring that unites the folds of paper at the upper end of the shade is very apt to tear through the paper in putting the shade upon or taking it off the holder; and the wires that attach the holder to the chimney have, in these articles, usually been separate pieces, extending up from the ring of the holder, and were liable to slip aside on the glass chimney and prevent the shade standing correctly in position.

The nature of my said invention consists in a holder for lamp-shades formed with bent wire springs, that are united in pairs at or near the moving ends of the springs that take the chimney, so that said springs are free to yield to accommodate the chimney, but cannot slip aside upon the same. I also line the paper shade with muslin or similar woven material at and near the point where the annulus passes through the folds of the shade, so as to prevent the same tearing out when in use.

In the drawings, *a* represents the paper shade, formed of a strip of paper folded, and through holes at one edge a wire ring or annulus, *b*, passes, the said paper being united at its ends to form a shade.

The shade is lined with muslin where the holes are perforated for the annulus *b*, and said lining may extend a greater or less distance down the paper shade.

c is a metal ring, from which the wires *d d*

rise. These are formed in pairs, the ends of the wires being attached to the ring *c*.

The wires *d* are bent so as to leave an offset at 1 1 for the annulus to set into, a curved surface at 2 2 to set against the sides of the chimney, and the connecting radial bends at 3 3, which, joining the wires at their upper ends in pairs, prevents them slipping sidewise upon the smooth glass chimney when applied to the same.

The bends at 3 3 stand nearly radially of the holder, in order that the wires may pass into the folds of the paper shade when that shade is taken off the holder and folded together into a compact form and inserted into the holder-ring *c*, so that the shade and holder assume a very compact form for transportation.

In this mode of construction there are no loose ends to the springs of wire; hence the shade is not likely to be injured.

I find that the muslin or similar woven material has to be applied to the strip of paper forming the shade after the same has been folded, in order that the exterior of the shade may appear uniform. I therefore apply the slip of muslin to the edge of the folded paper (which at the time is drawn out straight) and after the paste has become sufficiently dry the shade is folded up together, and the hole for the annulus has to be bored through the material by a drill while such material is held in clamp or holder. This mode of applying the muslin or cloth renders the shade sufficiently strong at the annulus without there being any change in the appearance of the folds on the outside.

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

The shade-holder formed with wire springs that are made in pairs, united at their upper ends, in the manner and for the purposes set forth.

In witness whereof I have hereunto set my signature this 23d day of June A. D. 1866.

JAMES V. DUNLAP.

Witnesses:

GEORGE G. SILL,

W. EDGAR SIMONDS.