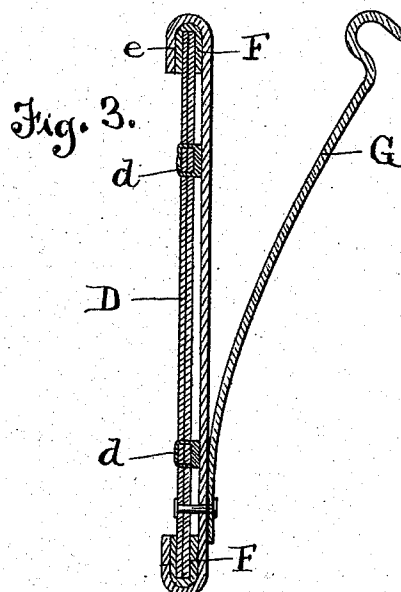
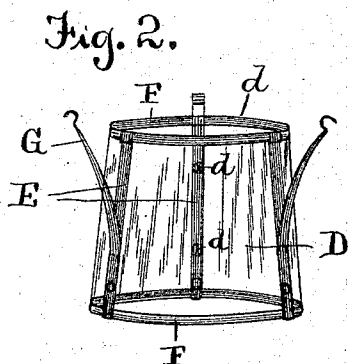
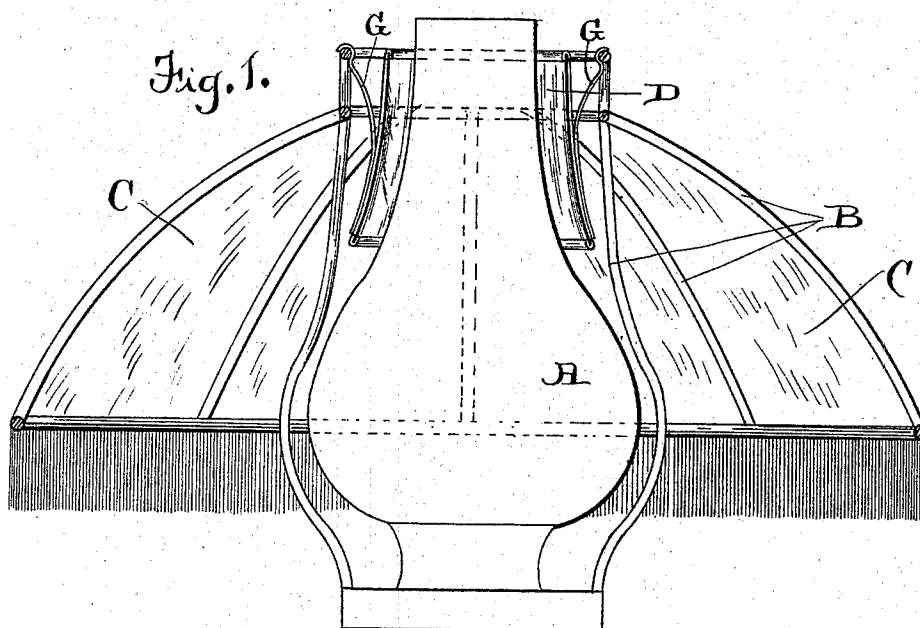


(No Model.)

G. REICHMAN
LAMP SHADE PROTECTOR.

No. 528,029.

Patented Oct. 23, 1894.



Witnesses
Thos. E. Robertson
W. E. Clendaniel.

George Reichman Inventor
By T. W. Robertson
Attorney

UNITED STATES PATENT OFFICE.

GEORGE REICHMAN, OF PHILADELPHIA, PENNSYLVANIA.

LAMP-SHADE PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 528,029, dated October 23, 1894.

Application filed June 8, 1894. Serial No. 513,940. (No model.)

To all whom it may concern:

Be it known that I, GEORGE REICHMAN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Lamp-Shade Protectors, of which the following is a specification, reference being had therein to the accompanying drawings.

This improvement is designed to provide a protector for lamp shades that will be cheaply made, readily applied and will form a sure protector to prevent the overheating and burning of the shade material.

To these ends the invention consists in the improvements hereinafter described and then definitely claimed.

In the accompanying drawings—Figure 1 is a vertical central section of a lamp shade and chimney provided with my improvement. Fig. 2 shows a perspective view of a protector detached made according to my improvement. Fig. 3 is a vertical section on a larger scale through the center of one side of the protector and spring.

Referring now to the details of the drawings by letter—A represents the chimney; B, the support for the silk shade, and C the silk covering thereof, all of the ordinary or of any desired kind.

Between the chimney and the shade is set my protector, consisting of a cylinder D made up of sheet mica bent into cylindrical form, and held at the laps by metal buttons *d*, which are covered on one side by metallic strips E that are connected at top and bottom to the double rings F, by turning the ends *e* of said strips over and under said rings F as shown in Fig. 3.

Attached to each of the strips E is a spring holder G whose lower end is riveted or otherwise secured to the bottom of the strip, or near thereto, while the upper end is bent as shown to form a catch to hang the protector to the inside of the shade support as indicated in Fig. 1.

When the springs are attached to the exterior of the lower part of the cylindrical protector they can be made much longer than they could be if attached to the top of the same and thus are more flexible, rendering

the attaching or removal of the protector much easier, and besides this, owing to their greater length, the heat of the lamp is not so readily transmitted to the shade as it would be if the springs were shorter, as they necessarily would be if they were attached to the top of the protector.

By this construction a perfect protector of the silk covering of a lamp shade is provided, for the mica is a bad conductor of heat and the springs being attached to the shade the protector does not get so hot as it would if they were attached to the chimney, and thus the discoloration and burning of the silk are effectually prevented.

What I claim as new is—

1. The combination of a chimney of a lamp and the shade and shade support thereof, with a cylindrical lamp-shade protector arranged between the chimney and shade, and having a set of springs arranged around the exterior of the cylinder, and having their inner ends attached to said cylinder and their other ends adapted to engage with the shade support, substantially as described.

2. The combination of a chimney of a lamp and the shade and shade support thereof, with a cylindrical lamp-shade protector arranged between the chimney and shade, and having a set of springs arranged around the exterior of the cylinder and having their lower ends attached to the lower part of said cylinder and their upper ends bent to engage with the shade support, substantially as and for the purpose specified.

3. As a new article of manufacture, a lamp shade protector having a cylinder of mica D, double rings F at top and bottom, strips E connecting these rings, and springs having one of their ends attached near the base of the cylinder and their other ends bent to engage with the shade support, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 6th day of June, 1894.

GEO. REICHMAN.

Witnesses:

JOHN W. SCHANDEIN,
JACOB F. NAGEL.