

E. B. REQUA.

Lamp Cone.

No. 41,092.

Patented Jan. 5, 1864.

Fig. 3.

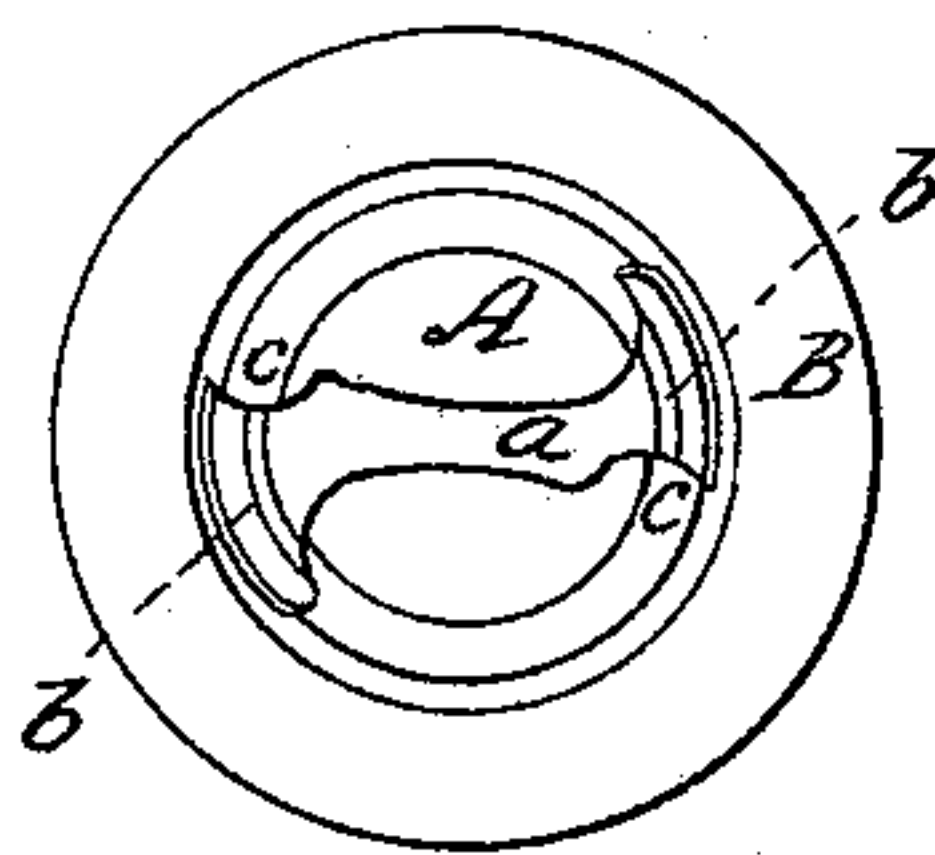


Fig. 1.

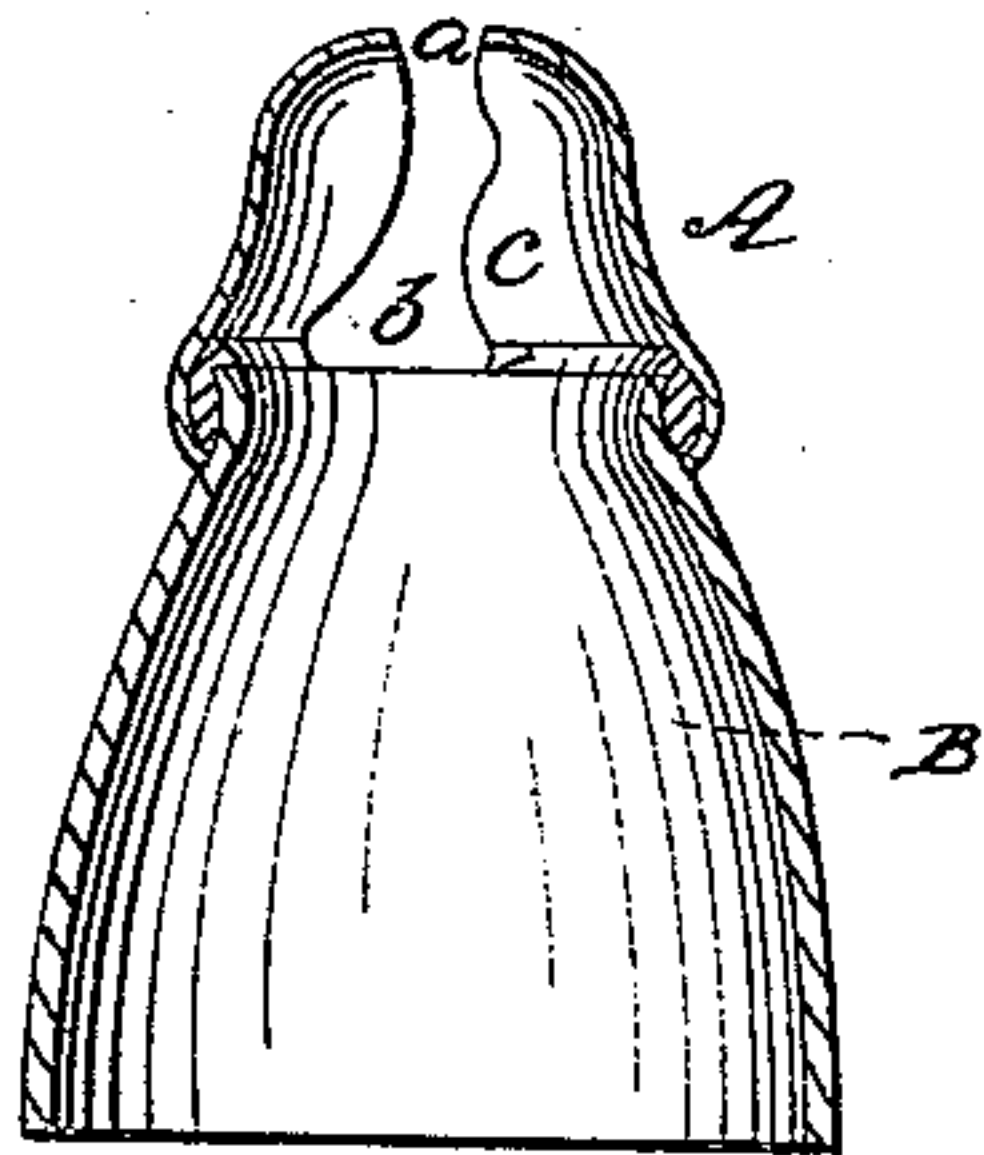
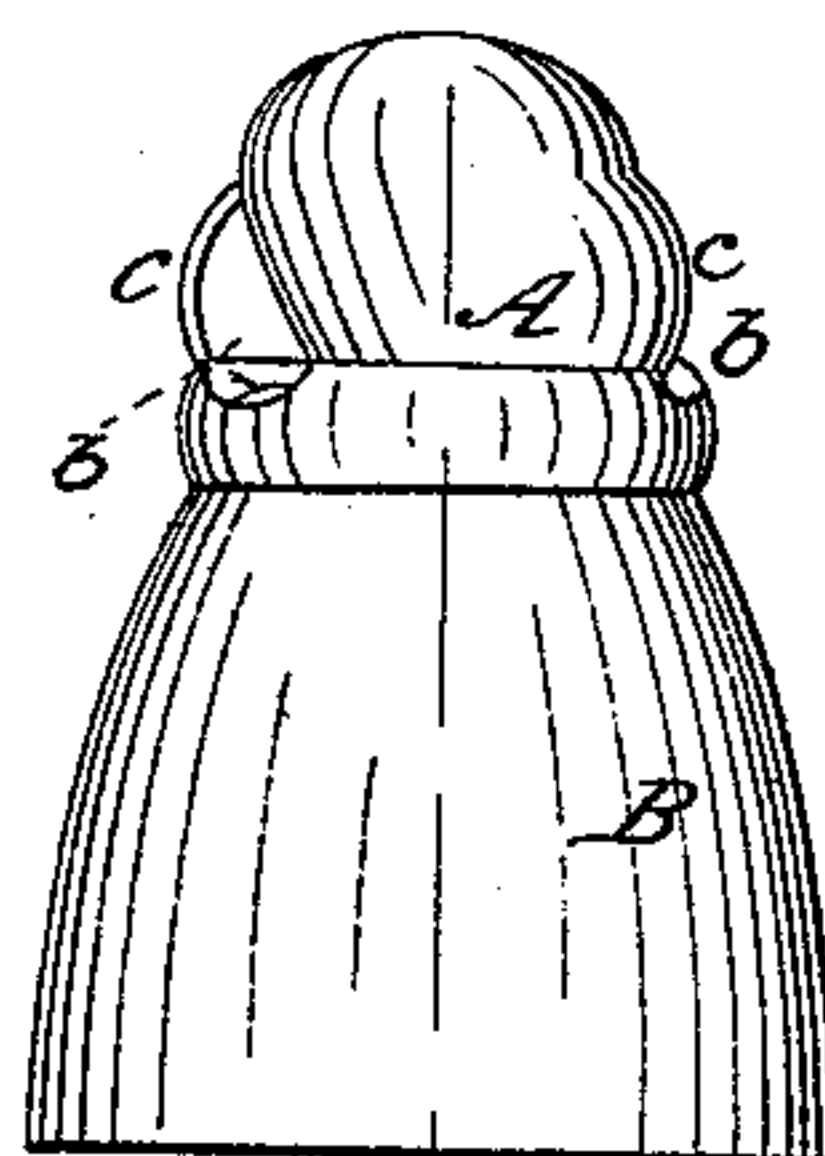


Fig. 2.



Witnesses:

Wm H. Douglass
Geo W Reed

Inventor:

E. B. Requa

UNITED STATES PATENT OFFICE

E. B. REQUA, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN LAMP-CONES.

Specification forming part of Letters Patent No. 41,092, dated January 5, 1864.

To all whom it may concern:

Be it known that I, E. B. REQUA, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Cones or Deflectors for Lamp-Burners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical central section of my invention, taken in the line *xx*, Fig. 2; Fig. 2, an elevation of the same; Fig. 3, a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in providing the cone or deflector with wings and a slot or opening of peculiar form, as hereinafter fully shown and described, whereby free access is allowed the air to the sides of the upper part of the wick and the latter allowed to burn uniformly or evenly entirely across its whole upper end and with a broad plane.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the upper part of the cone or deflector, constructed of metal, and attached to a transparent or translucent base, B, which may be of glass, porcelain, or other similar material. This transparent or translucent base B is immaterial, so far as this invention is concerned. The whole may be of metal, if desired.

The part A of the cone or deflector is provided with a slot or opening, *a*, which extends straight across its apex and obliquely down-

ward in opposite directions at its sides, the lower parts of the slot at each side of the cone being enlarged, as shown at *b*, and somewhat curved, as shown clearly in Figs. 1 and 3.

Each side of the slot or opening *a* at its lower ends is spread a trifle outward, forming small wings, as shown at *c*, so as to catch the air and deflect it into the cone through the lower ends of the slot or opening, which extend nearly or quite to the lower end of A, as shown clearly in Figs. 1 and 3.

From the above description it will be seen that the wick will be exposed to the air at each side of its upper end and an even and broad flame produced.

The small wings or plates *c* I do not consider indispensably necessary, but still an advantage. When not employed, a very great improvement is obtained over the old cone or deflector by the use of the slot or opening *a*, arranged as described.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The slot *a b*, extending straight across the apex of the cone and obliquely downward in opposite directions at the sides, all as represented and described.

2. The wings *c c*, constructed and operating as specified.

3. The described combination of the peculiarly-shaped slot *a b* and wings *c c*, for the purpose set forth.

E. B. REQUA.

Witnesses:

THOS. S. J. DOUGLAS,
GEO. W. REED.