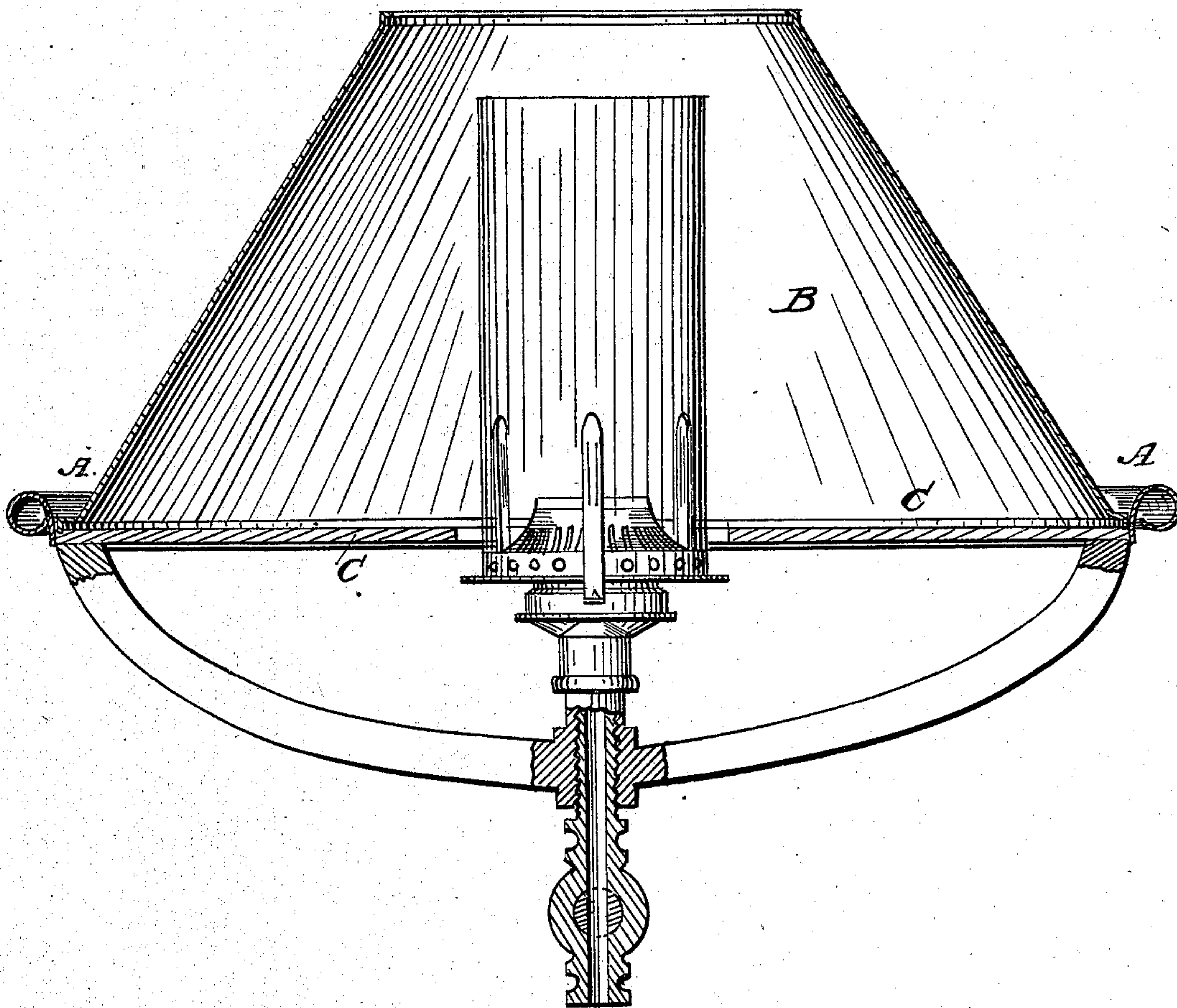


J. F. TRAVIS.

Lamp Shade.

No. 90,135.

Patented May 18, 1869.



Witnesses.
J. H. Coombs
Fred Hayes

Inventor
James F. Travis

UNITED STATES PATENT OFFICE.

JAMES F. TRAVIS, OF NEW YORK, N. Y., ASSIGNOR TO ARCHER AND
PANCOAST MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN LAMP-SHADES.

Specification forming part of Letters Patent No. **90,135**, dated May 18, 1869.

To all whom it may concern:

Be it known that I, JAMES F. TRAVIS, of the city, county, and State of New York, have invented a new and useful Improvement in Shades for Gas and other Burners; and I do hereby declare the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form part of this specification, and in which is represented a vertical section of a shade constructed according to my improvement, and applied to a gas-burner.

This invention consists in a translucent disk applied to the bottom of the shade of a gas or other burner for illuminating purposes, whereby the rays of light reflected downward from the sides of the shade are partially refracted and mellowed by their passage through the said disk, thereby giving a softer and more agreeable light.

Referring to the accompanying drawings, A is a gallery of ordinary construction, surrounding the burner for the support of the reflecting-shade B. C is the translucent disk, constructed of ground glass, mica, or other

translucent or semi-transparent material, and having a central opening through it to allow of its being passed over the burner. It is made to correspond in size and form with the bottom of the shade. It is first placed upon the gallery, and the shade placed over it so as to rest upon it, as represented. It may be flat, as represented, or of concavo-convex or inverted conical form.

By means of this invention a softer and more uniformly-concentrated light is obtained than by the ordinary shade.

I do not claim a shade constructed with a transparent or semi-transparent bottom; but

What I claim as my invention, and desire to have secured by Letters Patent, is—

The translucent disk C, made of a separate piece from, but applied in connection with, the shade of a gas or other burner, substantially as and for the purpose herein set forth.

JAMES F. TRAVIS.

Witnesses:

JOHN D. ROSSET,
HENRY PALMER.