(No Model.)

# J. D. MULLER.

## GLASS GLOBE FOR ELECTRIC AND OTHER LIGHTS.

No. 258,795. Patented May 30, 1882.

Fig. 1.

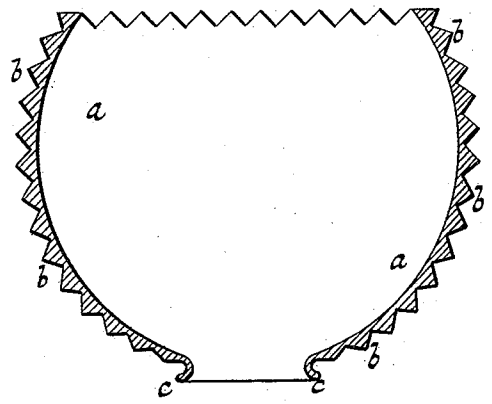
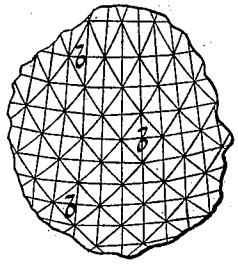



Fig. 2.




Witnesses.

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Henry Lange

Inventor.

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# UNITED STATES PATENT OFFICE.

JOHN D. MULLER, OF NEW YORK, N. Y.

## GLASS GLOBE FOR ELECTRIC AND OTHER LIGHTS.

SPECIFICATION forming part of Letters Patent No. 258,795, dated May 30, 1882.

Application filed October 20, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN DIEDERICH MULLER, of New York city, county and State of New York, have invented certain Improvements in Glass Globes for Electric and other Lights, (a new article of manufacture,) of which the following is a specification.

A globe of clear transparent glass is not adapted for an electric light, because of the intensity of the light and the consequent injury to the eye, while a ground or translucent globe reduces or obstructs the illuminating power of the light, and is expensive.

The object of my invention is to provide a clear or transparent glass shade or globe adapted to soften or reduce the intensity of the light without lessening its illuminating power, thereby obtaining all the advantages of the soft and pleasant light produced by the ground or semi-transparent shade.

My glass globe or shade is formed with a smooth interior surface, with its entire outer surface of small pyramidal projections formed so that each projection is a separate and distinct body to diffuse the light in all directions, breaking up the rays of light and making it agreeable and softer and more pleasant to the eye. To obtain this result to the fullest extent it is important that the surface-projections should be of pyramidal form, that their disposition should be regular, and that their bases should abut in symmetrical lines crossing the surface in opposite directions from the top to the bottom of the shade.

In order to describe my invention more fully, I refer to the accompanying drawings, forming a part of this specification.

Figure 1 is a vertical section of my improved globe or shade. *a a* represent the interior surface; *b b*, the pyramids on exterior surface; *c c*, the flange or shoulder by means of which the globe is secured or fastened to the lamp. Fig. 2 is a part or section of the exterior surface of my improved globe, showing the pyramids on the same.

Having thus described my invention, I desire to claim—

As a new manufacture, a glass shade or globe having the inner surface smooth and the outer surface formed entirely of abutting pyramidal projections, substantially as and for the purpose described.

JOHN D. MULLER.

Witnesses:

HENRY LANGE,

DIEDRICH OTTEN.