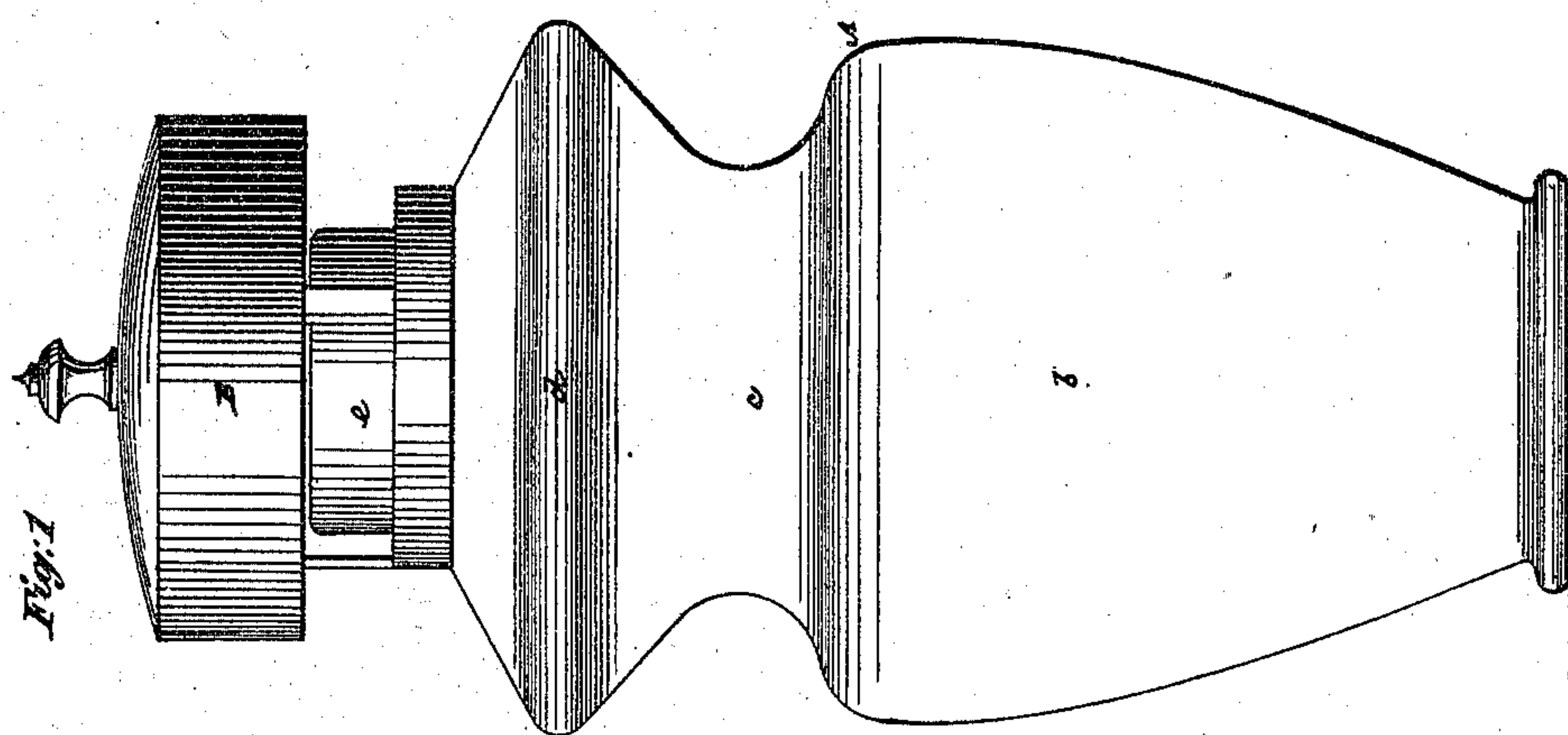
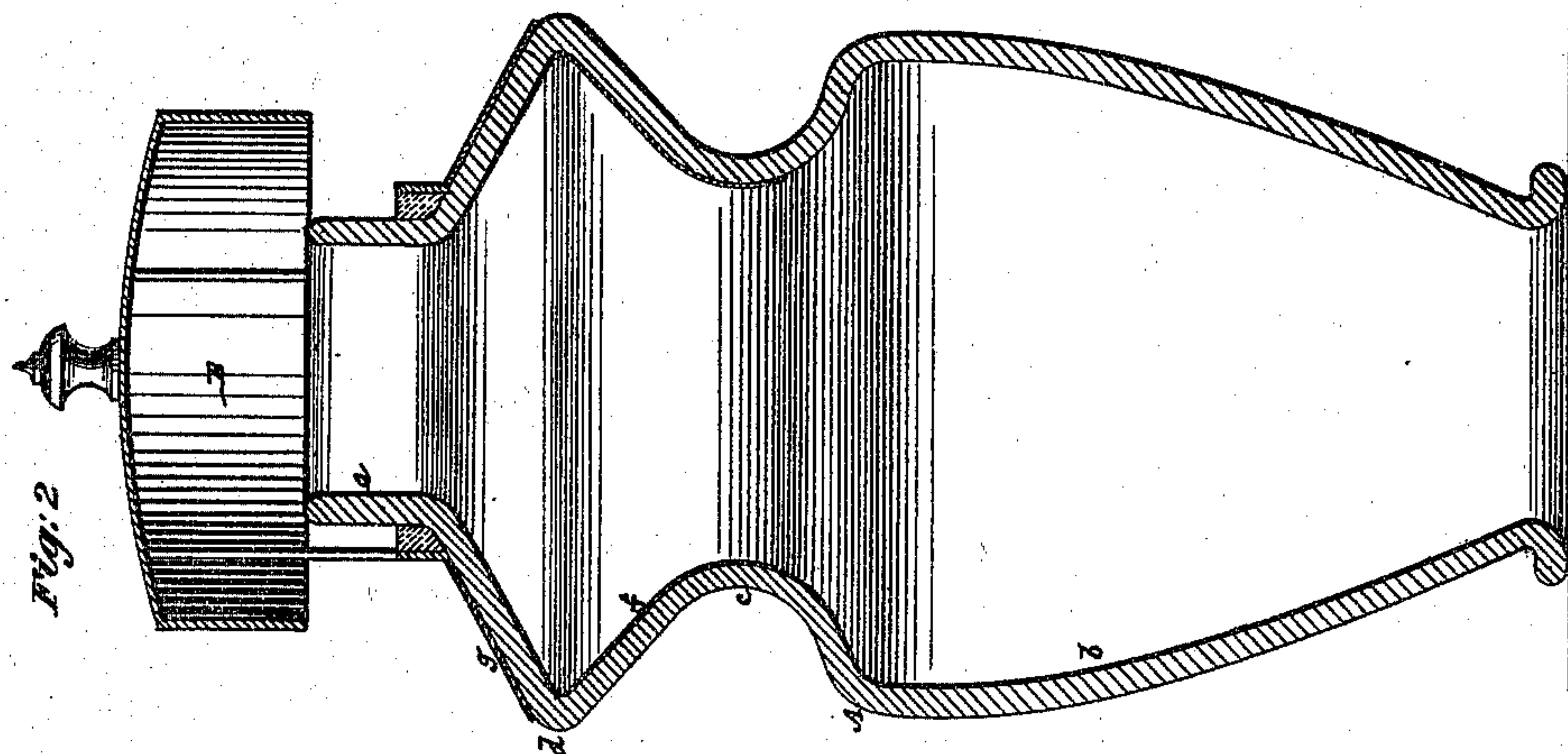


J. N. ARONSON.

Lantern-Globe or Shade for Street Lamps.

No. 131,649.

Patented Sep. 24, 1872.



Witnesses:

Fred Wigner
R.R. Railway

Joseph H. Brown

UNITED STATES PATENT OFFICE.

JOSEPH N. ARONSON, OF NEW YORK, N. Y., ASSIGNOR TO AUGUSTA ARONSON, OF SAME PLACE.

IMPROVEMENT IN LANTERN-GLOBES OR SHADES FOR STREET-LAMPS.

Specification forming part of Letters Patent No. 131,649, dated September 24, 1872.

To all whom it may concern:

Be it known that I, JOSEPH N. ARONSON, of the city, county, and State of New York, have invented a new and useful Improvement in Lantern-Globes or Shades for Street-Lamps and other purposes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 represents a side view of a lantern-shade suitable for street-lamps, constructed in accordance with my invention, and Fig. 2, a vertical or longitudinal section of the same.

Similar letters of reference indicate corresponding parts.

This invention consists in a lantern globe or shade of peculiar construction, provided with one or more inside and one or more outside reflectors, formed out of one and the same piece of glass as the shade.

A in the accompanying drawing represents a globe or shade, which may be made either of blown or pressed glass, and is formed of a main body portion, *b*, a throat or neck, *c*, and a head portion, *d*, of reversely angular shape, resembling two frustums of cones with their bases adjoining, and terminating above in a contracted straight portion, *e*, over and around which the metal or other top B is arranged. This construction of shade provides not only

for the exclusion of rain, snow, or wind at the top of the shade, and forms its own chimney, with convenience for holding the top B, also establishes a cooling air-space over the body *b* and between the latter and the head *d*, but provides in a very efficient manner for an inside and outside arrangement of the reflector, or rather for a division of it, which insures both reflection of the rays passing through the body and for the rays striking the upper portion of the head within the shade. To this end the portion serving to form the reflector is the head, or neck and head, *c d*, for which purpose the neck and lower half of said head are silvered, painted, or enameled internally, as at *f*, also the upper half of said head externally, as at *g*.

What is here claimed, and desired to be secured by Letters Patent, is—

A glass lantern shade or globe composed of a body, *b*, a neck, *c*, and a reversely conical head, *d*, terminating in a straight or upper chimney portion, *e*, when said head, or neck and head combined, is or are made to constitute inside and outside reflectors *f g*, substantially as specified.

JOSEPH N. ARONSON.

Witnesses:

HENRY T. BROWN,
FRED. HAYNES.