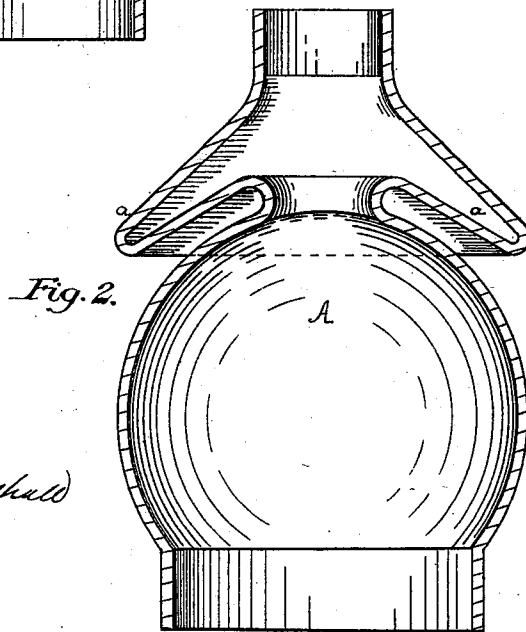
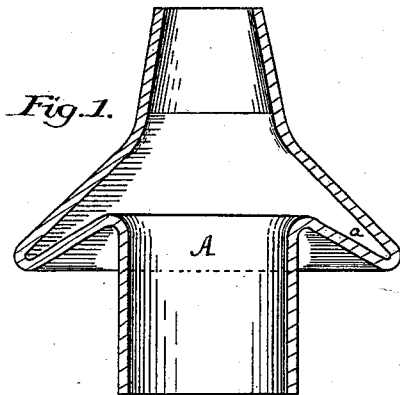


W. R. LINDSAY.

REFLECTING CHIMNEYS, GLOBES, &c.

No. 173,227.

Patented Feb. 8, 1876.



WITNESSES.

R. Q. Whiskard

L. C. Fidler

INVENTOR.

William R. Lindsay
by Bakewell & Kerr
his Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM R. LINDSAY, OF SCOTT TOWNSHIP, ALLEGHENY COUNTY, PA.

IMPROVEMENT IN REFLECTING CHIMNEYS, GLOBES, &c.

Specification forming part of Letters Patent No. **173,227**, dated February 8, 1876; application filed December 27, 1875.

To all whom it may concern:

Be it known that I, WILLIAM R. LINDSAY, of Scott township, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Reflecting Chimneys, Globes, &c.; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a lamp-chimney, and Fig. 2 is a globe, illustrating my invention.

Like letters refer to like parts wherever they occur.

My invention relates to the manufacture of a combined reflector and shade, chimney, or globe; and consists in forming the chimney or globe with a projecting annular fold or flange-like projection, which is contracted at the line of draft, so as to protect the silvered or otherwise-prepared reflecting-surface from external injury and the action of the heat or smoke.

I will now proceed to describe my invention, so that others skilled in the art to which it appertains may make and use the same.

In the drawing, A indicates a chimney or globe, flared above, so as to obtain a reflecting-surface, *a*, and contracted or again drawn in to the line from whence the flare started, so as to form an annular fold or circular

pocket, which stands beyond the draft of the chimney. The lower portion of the article may then take the form of a globe or ordinary chimney, according to circumstances. The inside surface of fold *a* is then silvered by the Drayton or any other of the well-known processes, and a shade and reflector thus obtained which is not liable to be scratched or defaced, as is the case where the silvering is on the exterior surface of a globe or chimney, and which is not affected by the heat or smoke, as will often occur when the silvering is applied on the inner surface of the general form of chimneys.

My chimney can be cleaned without difficulty, if ordinary care is taken.

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

The chimney or globe having an annular fold which projects beyond the line of draft, and is coated on its inner surface to produce a combined shade and reflector, substantially as specified.

In testimony whereof I, the said WILLIAM R. LINDSAY, have hereunto set my hand.

WM. R. LINDSAY.

Witnesses:

JAS. M. LINDSAY,
T. B. KERR.