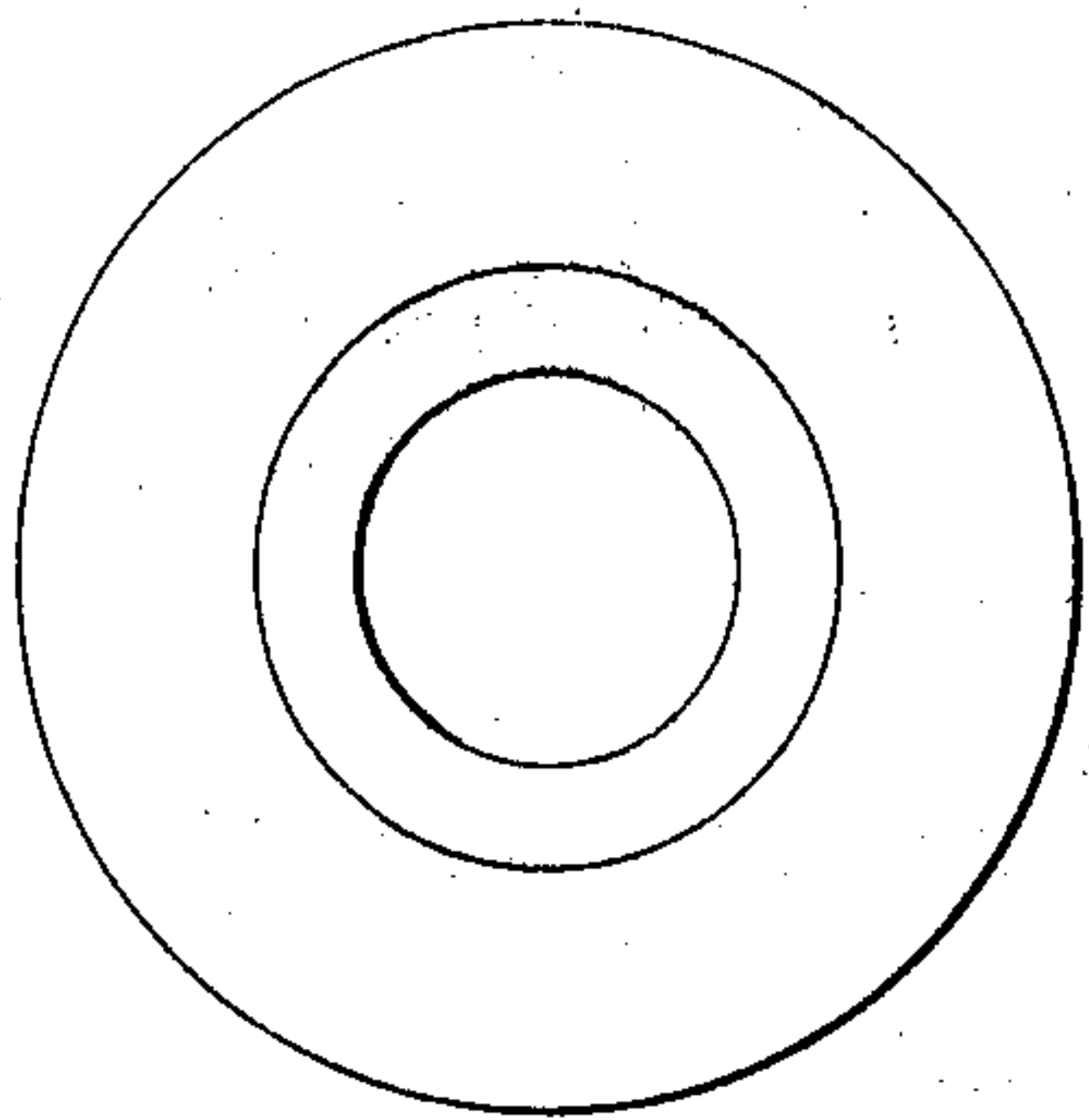


H. BROWN.  
Lamp Chimney.

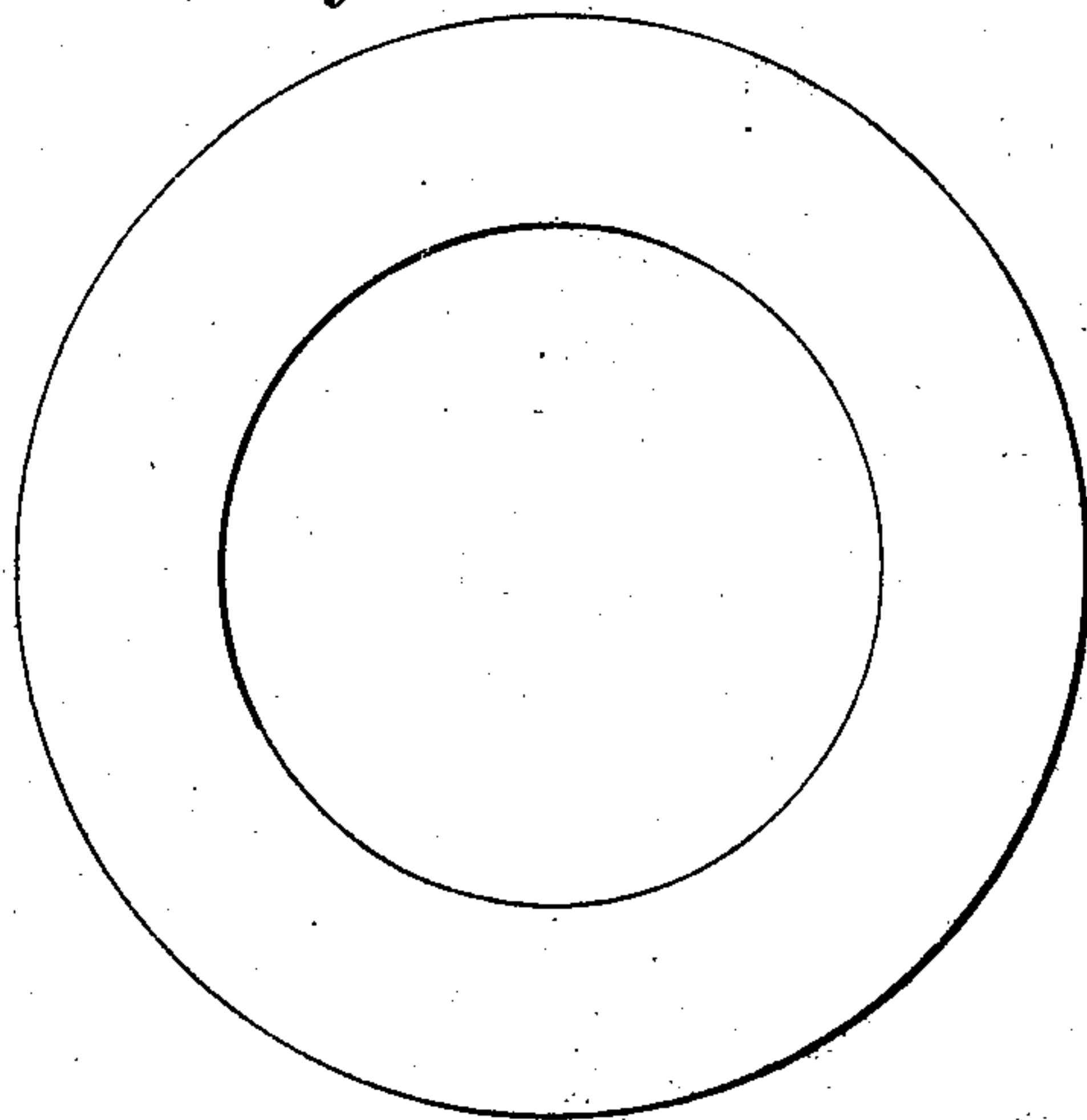
No. 34,733.

Patented March 25, 1862.

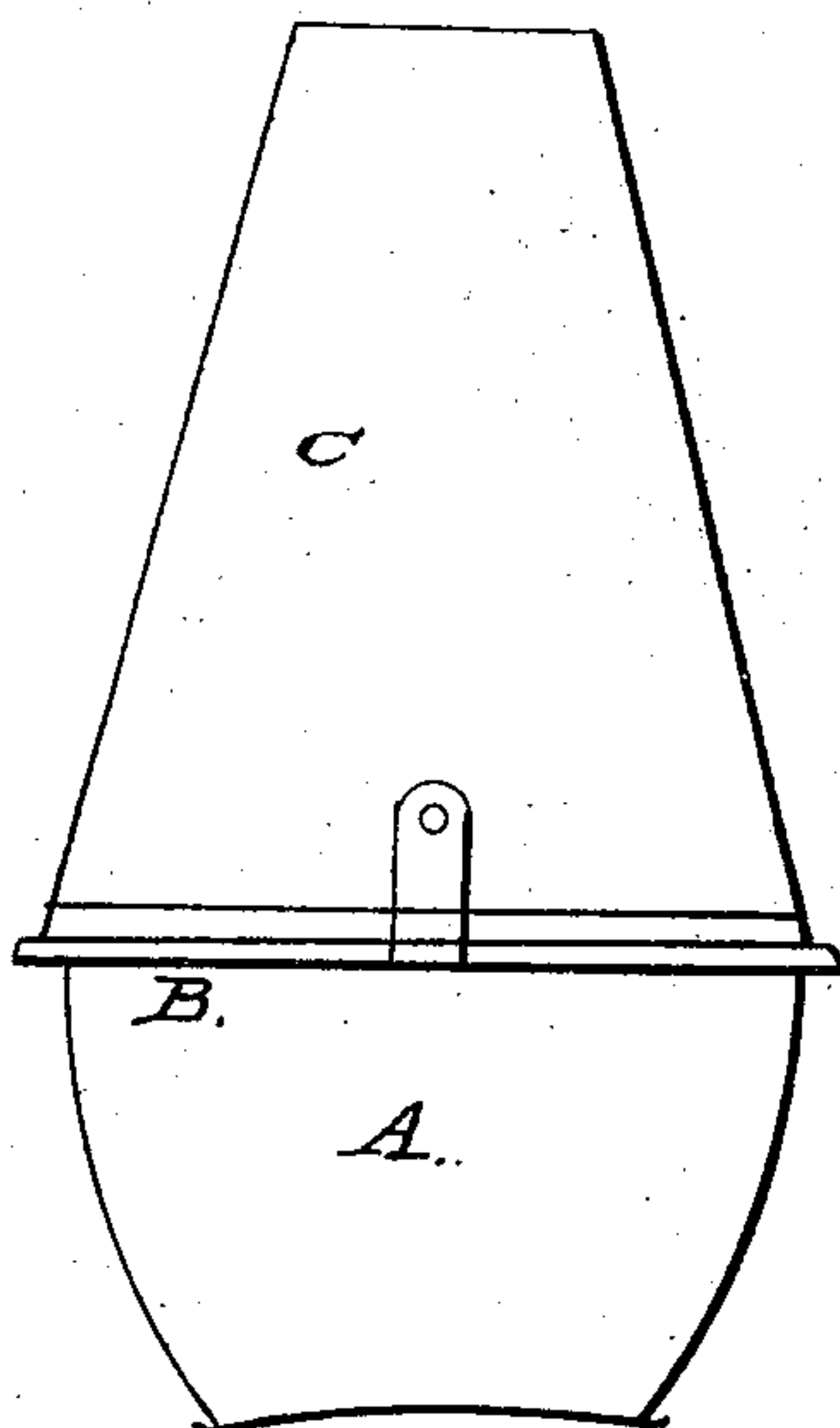
*Fig. 2.*



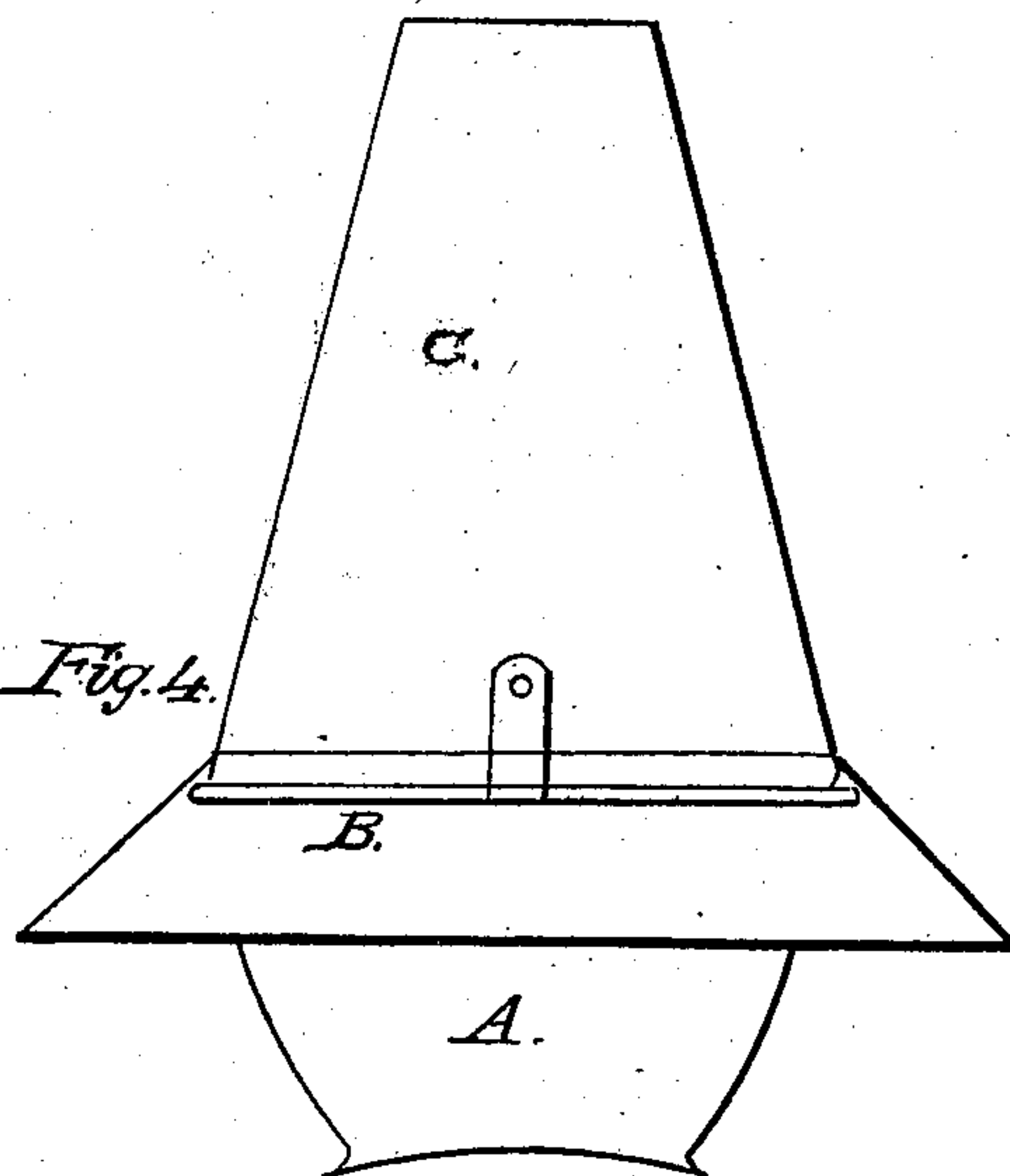
*Fig. 3.*



*Fig. 1.*



*Fig. 4.*



*Witnesses:*  
*John F. Gray*  
*David Clarke*

*Inventor:*  
*Henry Brown*

# UNITED STATES PATENT OFFICE.

HARVEY BROWN, OF NEW YORK, N. Y.

## IMPROVEMENT IN CHIMNEYS FOR LAMPS.

Specification forming part of Letters Patent No. 34,733, dated March 25, 1862.

*To all whom it may concern:*

Be it known that I, HARVEY BROWN, of the city, county, and State of New York, have invented a new and useful Improvement in Chimneys for Oil-Lamps, which is applicable to any form of lamps for any description of oil or fluid that requires chimneys to promote its burning, and may be made in size and form of attachment adapted to the lamp to which it is to be applied; and I do hereby declare that the following is a full and clear description thereof reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which—

Figure 1 is a perspective view; Fig. 2, a bird's-eye or top view; Fig. 3, the shade; Fig. 4, the shade as attached to the chimney.

A is the glass bulb in the lower part of the chimney; B, the ridge or protuberance around the bulge near the top of the bulb; C, the truncated cone attached to the top of the glass bulb.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I make the lower part of my chimney of glass in a bulbous form, having a ridge around it near the top for the purpose of attaching the truncated cone above. I make this in height up to the ridge about to where the top of the flame in the burner will come when in full operation. On the bottom of this glass I make a ridge or projection for the purpose of attaching the chimney to the lamp by means of the screw-spring or otherwise, as provided on the lamp. I next make the truncated cone or other form, if desired, by which it is contracted from the base at the glass bulb to the outlet of the tube. I make this cone-tube of tin, brass, or other sheet metal with more or less angle, by which the length is determined, leaving the orifice at the top about one inch, more or less, as desired. This

cone may be perforated with holes, more or less in number and size, from the top down as far as desired. I next attach this cone to the ridge of the glass bulb by means of clamps or any other suitable and convenient means, by which it is firmly attached. I next make the shade of tin or other suitable material in circular form one inch or more wide, set to an angle outward and downward of from thirty to forty-five degrees from the plane of the horizon. The diameter of the orifice in this shade I make just equal to the outside of the base of the cone, so that it may be easily dropped on and rest there and easily removed when desired; or it may be attached and remain there permanently, if preferred. This shade may be perforated with holes more or less in number and size, if desired.

This lamp-chimney secures the brilliancy of the light produced by the use of the glass chimney and the metal cone and small shade combined, secures all the advantages of the large paper shade on the glass tube, and is much more convenient, as it is perfectly portable and can be used in doors or out, thereby becoming both lamp and lantern. These are some of the advantages of this invention.

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

1. The arrangement and construction of a lamp-chimney having a glass bulb for its base, with a sheet-metal tube attached above, substantially in the manner and for the purposes set forth.

2. The shade for this lamp-chimney, constructed and arranged substantially in the manner and for the purposes set forth.

HARVEY BROWN.

Witnesses:

JOHN F. GRAY,  
DAVID CLARKE.