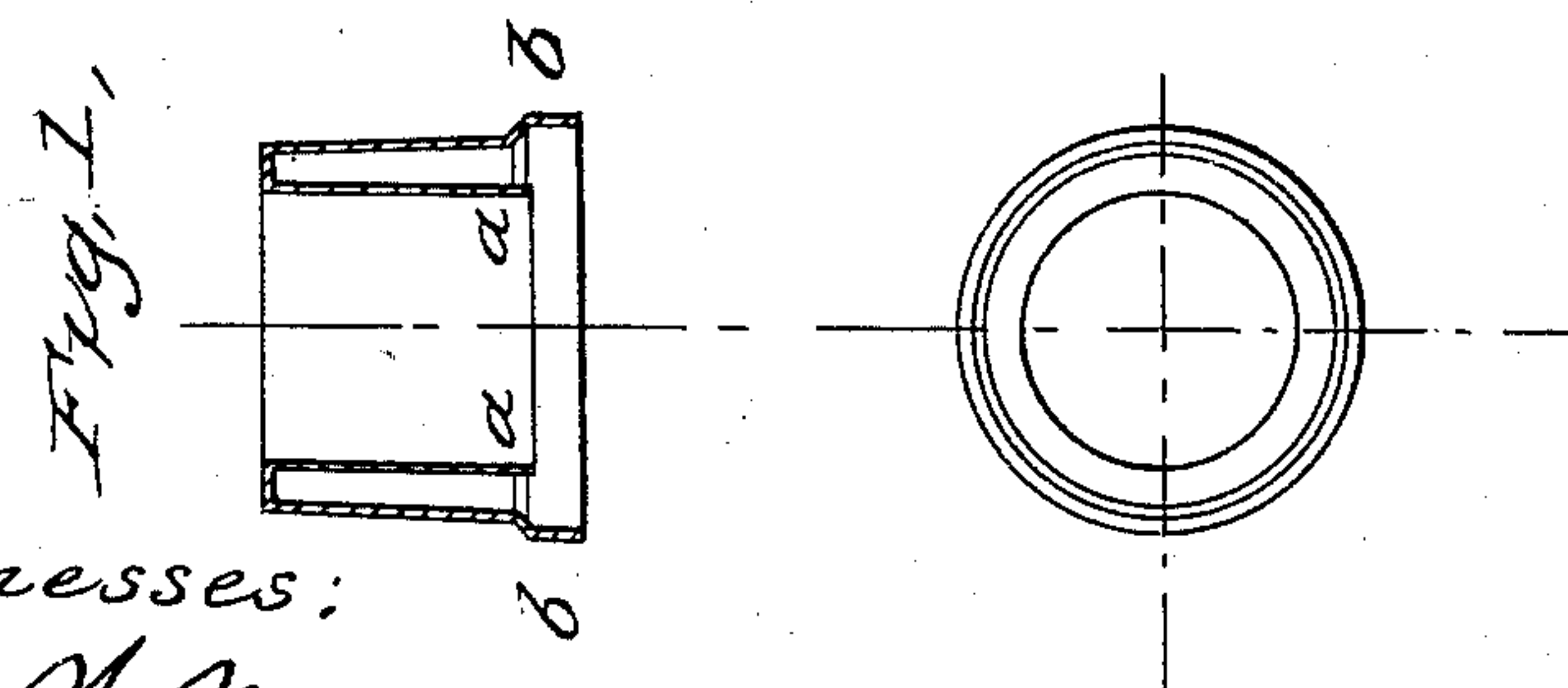
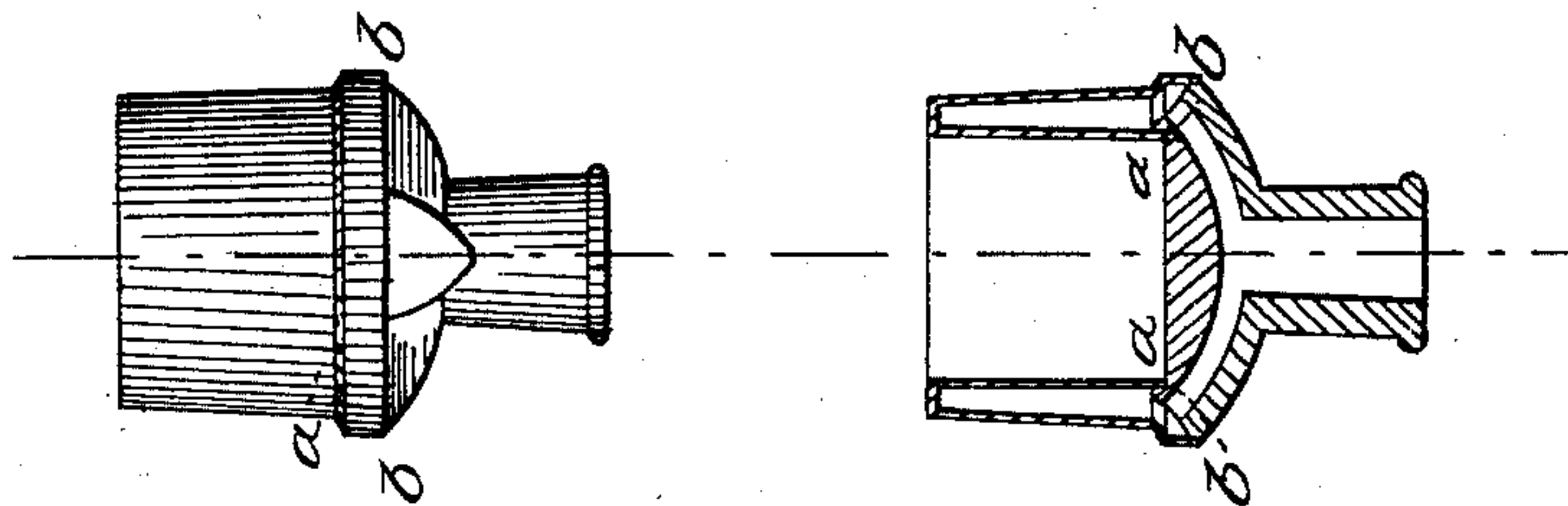
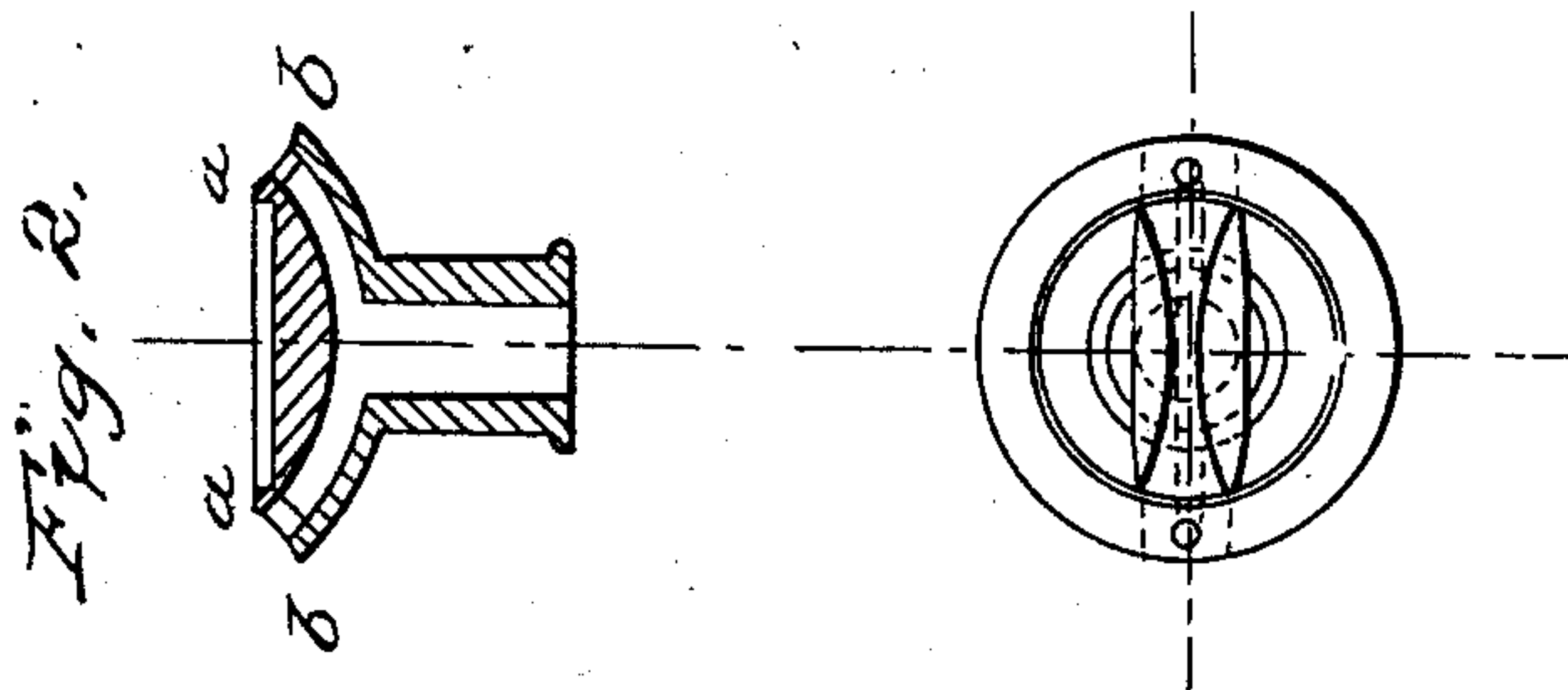


E. S. ARCHER.

Manufacture of Argand Burners.

No. 46,063.

Patented Jan'y 31, 1865.



Witnesses:  
*John H. Water*  
*Wm. P. Henry*

Inventor:  
*Ellis S. Archer*

# UNITED STATES PATENT OFFICE.

ELLIS S. ARCHER, OF NEW YORK, N. Y.

## IMPROVEMENT IN THE MANUFACTURE OF ARGAND BURNERS.

Specification forming part of Letters Patent No. **46,063**, dated January 31, 1865.

*To all whom it may concern:*

Be it known that I, ELLIS S. ARCHER, of the city of New York, in the county and State of New York, have invented a new and Improved mode of making gas-burners of the kind generally known as the "Argand Burner;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawgs, and to the letters of referene marked thereon.

The nature of my invention consists in the manner of making said Argand burner. It is thus: I spin or stamp from sheet-brass or other metal that part of the burner represented by Figure 1. The sides may be of unequal length or of equal length, or longer or shorter, as the case may be, to adapt it to the casting, as represented in Fig. 2, the parts of which

may be made longer or shorter, as the case may be, to adapt it to No. 1. I then turn Fig. 2 to a gage to fit precisely inside of No. 1 at the points marked *a* and *b*, *a* and *b*, and I then spin the edges of No. 1 tight over No. 2 at the points *a* and *b*. The holes for admitting and emitting the gas are the same as those in general use.

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

The making of an Argand burner in the manner described, thus dispensing with the tip or perforated ring, as heretofore made.

New York, July 16, 1864.

ELLIS S. ARCHER.

Witnesses:

JAMES LANE,

HENRY PALMER.