

J. H. WHITE.
Globe-Lamp Chimney.

No. 216,007.

Patented May 27, 1879.

Fig. 1.

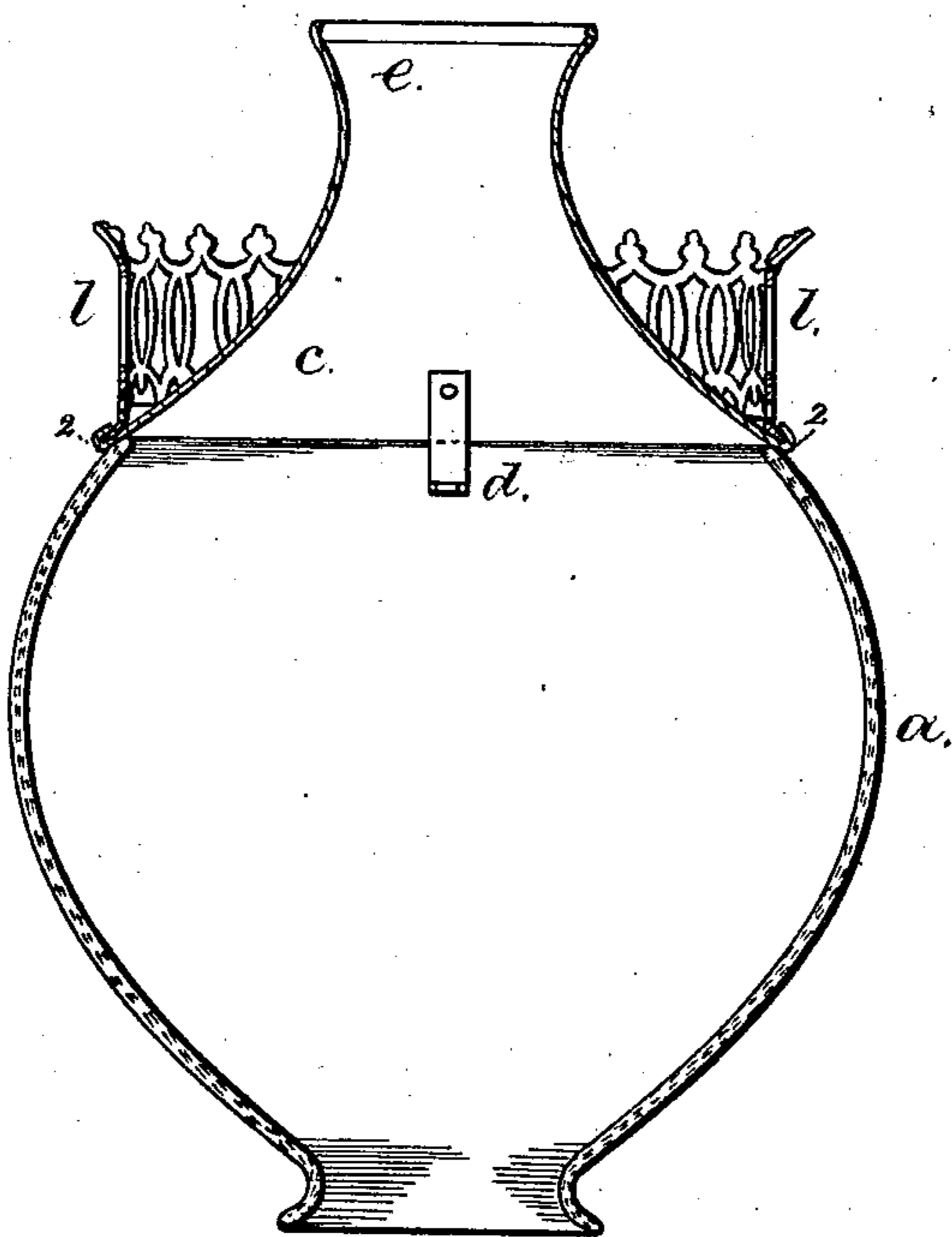
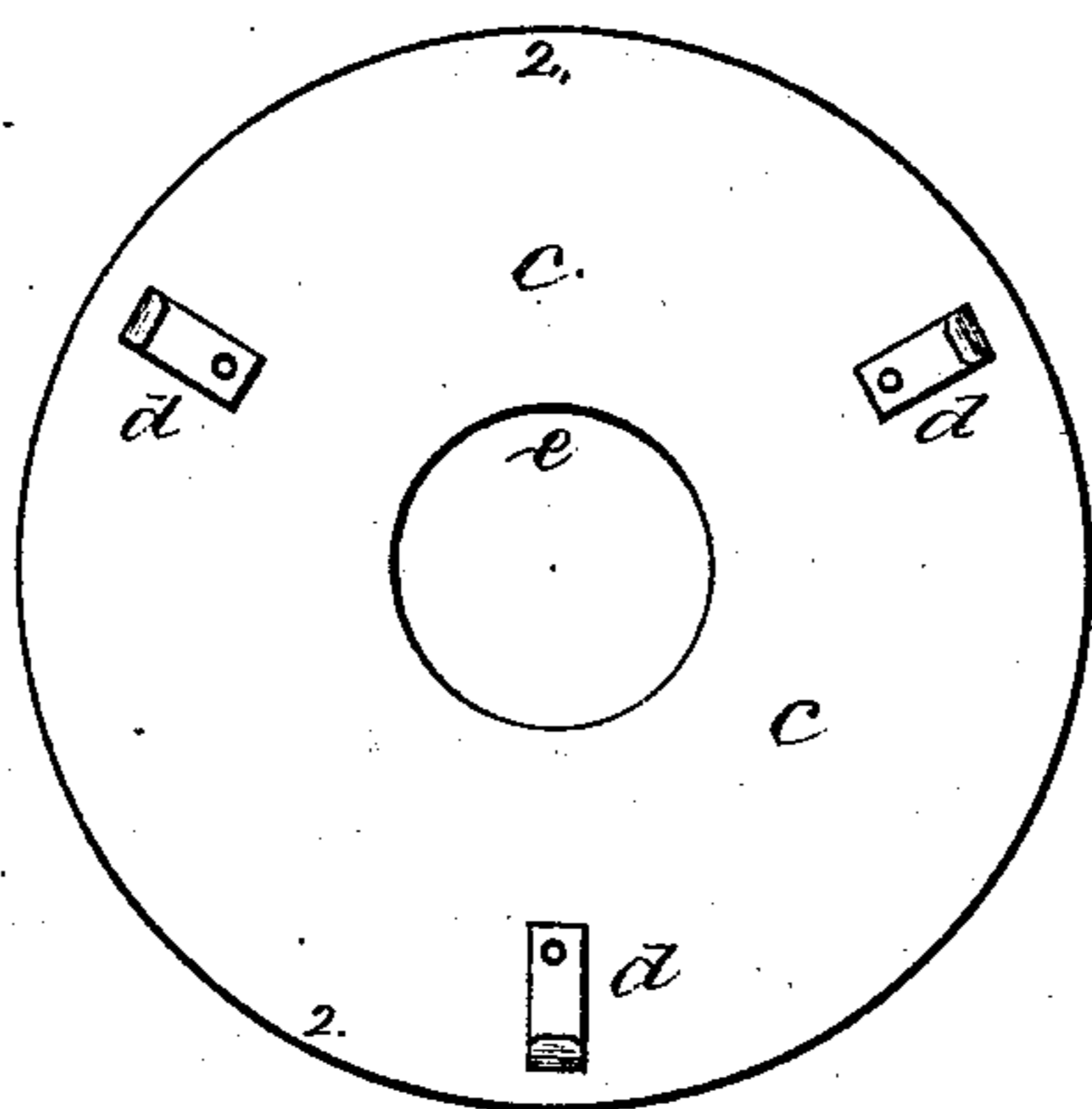


Fig. 2.



Witnesses

Chas. H. Smith
Harold Serrell

Inventor

James H. White.
per Lemuel W. Serrell
Att'y.

UNITED STATES PATENT OFFICE.

JAMES H. WHITE, OF NEW YORK, N. Y., ASSIGNOR TO MANHATTAN BRASS COMPANY, OF SAME PLACE.

IMPROVEMENT IN GLOBE LAMP-CHIMNEYS.

Specification forming part of Letters Patent No. **216,007**, dated May 27, 1879; application filed December 13, 1878.

To all whom it may concern:

Be it known that I, JAMES H. WHITE, of the city and State of New York, have invented an Improvement in Globe Lamp-Chimneys, of which the following is a specification.

Globular glasses have been provided with a metal plate or annulus resting upon the top thereof, the opening of which is of a size adapted to regulate the ascending current of air passing through the lamp-burner; and in some instances bulb-chimneys for lamps have been provided with a metallic top, to give the necessary height to the chimney.

My improvement relates to the combination, with a globular glass, of a metallic trumpet-shaped top, so shaped at its lower edge that it will rest tightly upon the glass regardless of slight inequalities in the shape of the glass, and clasping-springs, that pass into the top of the glass and hold the metal top thereupon.

In the drawings, Figure 1 is a vertical section of said globe-chimney, and Fig. 2 is an inverted plan of the metallic top or cap.

The glass globe *a* is of any usual or desired size or shape. It is generally preferable to employ a spheroidal glass; but the same may be more or less elongated or flattened.

The upper part of the glass is rounding, and terminates with a plain edge to the circular opening, as usual, and the edge or rim 2 of the metallic trumpet-shaped top *c* rests upon the surface of the glass, and said edge is curved downwardly sufficiently to cause it to touch the glass, regardless of any slight variation in the size of the opening or the shape of the glass.

The metal top is trumpet-shaped, of the proper height, and with an opening of the correct size to insure the required draft to the lamp, and it is preferable to terminate the top part of this metal trumpet with a slightly-flaring mouth, *e*, as shown, in order that lateral currents of air may be deflected, and not make the lamp smoke or flicker.

Upon the under surface of the trumpet-shaped top the spring-clips *d* are riveted, and they are of a size and shape to enter within the top edge of the glass globe and spring outwardly, so as to hold the metal top in place upon the glass, but allow of its disconnection, if desired; and these spring-clips *d* may be bent so as to accommodate the different-sized openings of the glass globes.

Around the trumpet-shaped metal top there is a vertical or nearly vertical crown, *l*, of ornamental sheet-metal open-work, and the lower edge is secured by the edge of the trumpet top being folded back upon the base-flange of the crown. This retains the crown and stiffens the edge of the trumpet top.

I am aware that metal tops for lamp-chimneys have been provided with spring-clips that pass either inside or outside a cylindrical chimney. I am also aware that a heater adapted to rest upon a glass globe has been provided with an ornamental crown around a water-vessel. I do not, therefore, claim either device separately.

I claim as my invention—

1. The trumpet-shaped sheet-metal top, with its lower edge adapted to rest upon a globular glass lamp-chimney, and provided with sheet-metal spring-clips *d*, riveted upon the under side of the said top, so as to enter within the globe, substantially as set forth.

2. The metallic crown, in combination with the sheet-metal trumpet-shaped lamp-chimney top, the flange of the crown being confined by the edge of the top, substantially as set forth.

Signed by me this 7th day of December, A. D. 1878.

JAMES H. WHITE.

Witnesses:

HAROLD SERRELL,
CHAS. H. SMITH.