(90.)

GEORGE M. BULL.

Mica Lamp Chimney.

No. 122,560. Patented Jan. 9, 1872.

Fig. 1

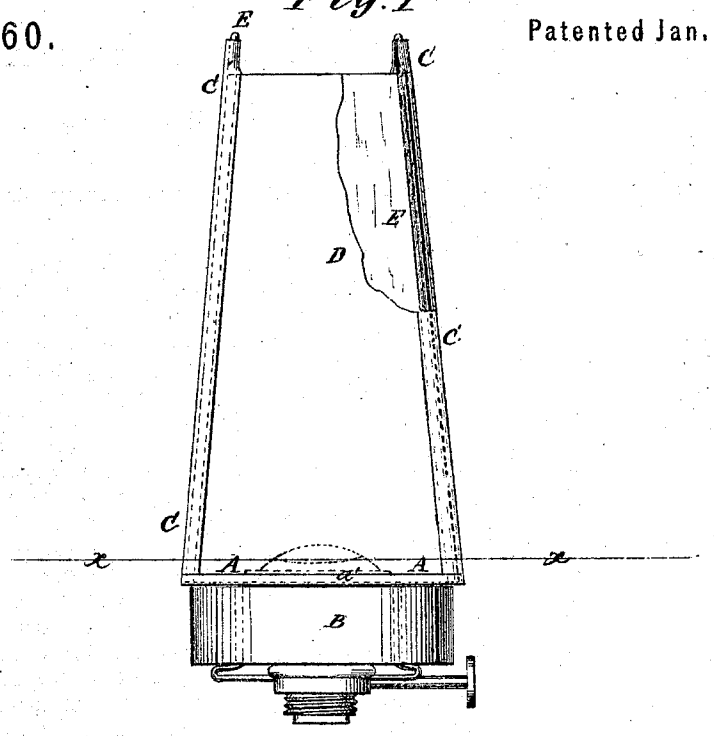
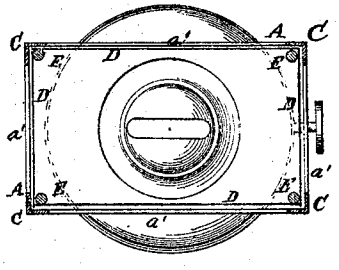


Fig. 2



Witnesses:

A. W. Almqvist

Francis McArdle

Inventor:

George M. Bull

Per Munn & Co

Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE M. BULL, OF NEW BALTIMORE, NEW YORK.

IMPROVEMENT IN MICA LAMP-CHIMNEYS.

Specification forming part of Letters Patent No. 122,560, dated January 9, 1872.

To all whom it may concern:

Be it known that I, GEORGE M. BULL, of New Baltimore, in the county of Greene and State of New York, have invented a new and useful Improvement in Mica Lamp-Chimneys; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 is a side view of my improved lamp-chimney, part being broken away to show the construction. Fig. 2 is a horizontal section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved lamp-chimney which shall be simple in construction and not liable to be accidentally broken, and from which the transparent plates may be conveniently detached and cleaned when desired; and it consists in the construction and combination of the various parts of the chimney, as hereinafter more fully described.

This lamp-chimney is designed to be used with the burners known as sun-burners and with others of similar construction.

A is a rectangular plate, having a hole in its center to receive and rest upon the upper part of cone of the burner. To the lower side of the plate A is attached the upper edge of a band, B, made of perforated sheet metal, and which is designed to fit and rest upon the burner in the same manner as the ordinary glass chimney fits and rests upon said burner. Around the edge of the plate A is formed a narrow upwardly-projecting flange, *a'*, against which the lower end edges of the transparent plates rest. To each corner of the plate A is attached the lower end of a plate, C, of thin sheet metal, which is bent longitudinally at right angles, and which are designed to receive the edges of the transparent plates. The upper ends of the angular strips C are inclined inward slightly, giving to the burner the form of a truncated rectangular pyramid. D are thin sheets of mica, which are made narrow at their upper ends to correspond with the inward inclination of the angular strips C. E are wires, which pass down along the angles of the strips C to support the inner sides of the edges of the mica plates D. The lower ends of the wires E enter holes in the corners of the plates A, to which they may be permanently secured or not, as desired. The upper ends of the wires E may be secured by bending the side edges of the upper ends of the angle-strips C around the said wires.

By this construction, by withdrawing the wires E, or when the lower ends of said wires are fast, by springing the angle-strips outward to allow the edges of the mica plates D to be sprung past the said wires E, the said mica plates may be detached to clean or renew them when required.

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

1. The combination of the plate A, angular strips C, and wires E, whether fast or detachable with the mica plates D, substantially as herein shown and described, and for the purpose set forth.

2. The combination of the perforated band B with the plate A, angle strips C, mica plates D, and wires E, substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me this 18th day of August, 1871.

GEORGE M. BULL.

Witnesses:
JAMES T. GRAHAM,
L. S. MABEE.

(90)