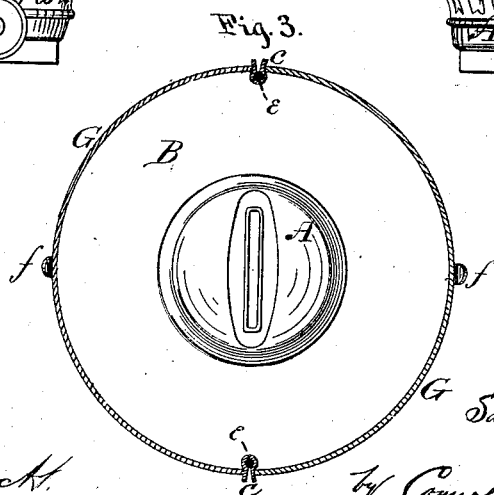
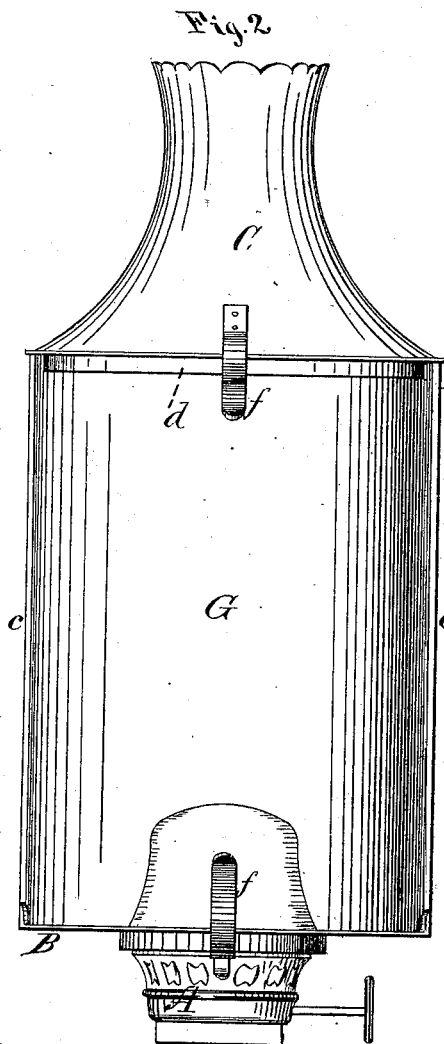
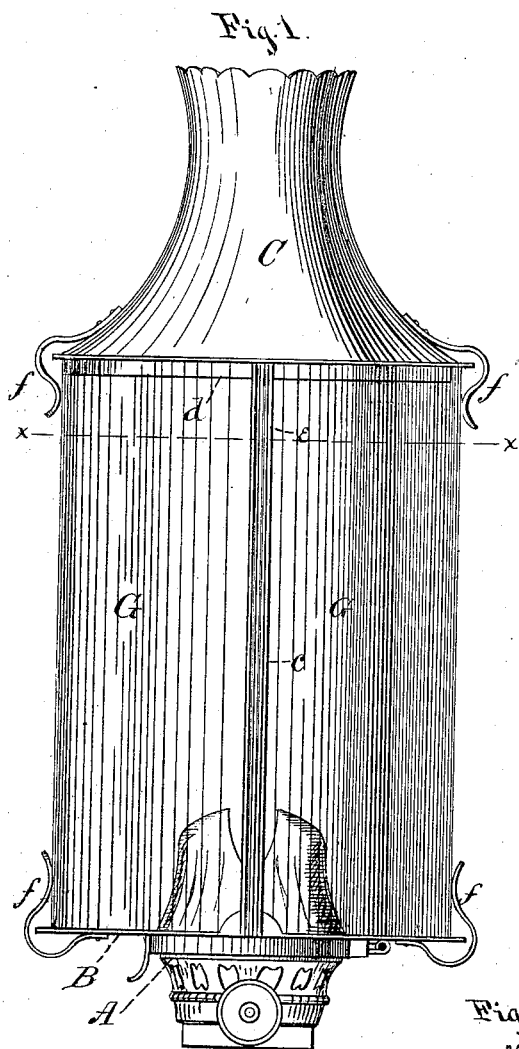


S. B. INGLIS.
Lamp-Chimney.

No. 197,856.

Patented Dec. 4, 1877.



Witnesses

F. A. Pollock.
G. Smith

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Attorneys.

UNITED STATES PATENT OFFICE.

SAMUEL B. INGLIS, OF PITTSBURG, PA., ASSIGNOR OF ONE-HALF HIS RIGHT
TO EDWARD T. JAMESON, OF SAME PLACE.

IMPROVEMENT IN LAMP-CHIMNEYS.

Specification forming part of Letters Patent No. **197,856**, dated December 4, 1877; application filed
May 15, 1877.

To all whom it may concern:

Be it known that I, SAMUEL B. INGLIS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Lamp-Chimneys; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is an elevation; Fig. 2, another, at right angles to Fig. 1. Fig. 3 is a plan section on line *x x* of Fig. 1.

This invention relates to lamp-chimneys; and consists in the construction and combination of parts, substantially as hereinafter fully described and claimed.

In the drawings, A designates a burner, which may be of any of the styles in use, and which is provided with a horizontal flange, B. To the flange B are soldered, or otherwise attached, two uprights, *c c*, made of sheet metal, of the form shown in Fig. 3, having a circular portion and two lips. At their top, the uprights *c* are connected and stiffened by a ring, *d*, attached to both.

A cap, C, is provided, of sheet metal in any shape, having a projecting flange, and furnished with two pins, *e*, adapted to enter the hollow uprights for the support in position of the cap C. The cap C and base-flange B are provided with spring-holders *f* for securing the glass or reflector. The glass is in two portions, G G, whose edges rest against the lips of uprights *c*, as in Fig. 3, and whose top edges rest against the ring *d*. When thus placed, the springs *f* hold them firmly in position.

A reflector may be placed outside one of the glass sections and secured in the same manner. To take apart, nothing is to be done but pull off the cap and remove the glasses, reversing this order to fit together again. The glass portion being in two halves, which are free on their vertical edges, no damage can occur from sudden expansion or contraction, the form of uprights permitting such

movements freely. The cap can give way to vertical expansion.

The construction is strong and simple. It may be applied to common lamps or lanterns with equal facility. The mere shape may be changed or modified at the pleasure of the maker, thus allowing great variety of design. For signals it is peculiarly adapted, as glasses of different colors may be applied either in the manufactory or by the user, at discretion. Being in two sections, the glass may be cleaned and polished, inside and outside, to a high degree; and contraction and expansion being powerless for evil effects, the glass may be of the commonest and cheapest description consistent with proper translucency, and, therefore, the replacing of accidentally-broken glasses is a trifle not worthy of consideration. The open shape of the glasses allows of their being made as cheaply as common window-glass, requiring no special craft in their construction, thus making a new field for the sale of window-glass productions.

If, in using such chimneys, a glass should, by accident, be broken, no inconvenience need be felt, as the broken portion may at once be replaced by a piece of tin, sheet-iron, cardboard, or anything else which can be cut and bent into shape, so as to rectify the draft impeded or diverted by the break.

Having fully described my invention, I claim—

1. The combination, with a burner, A, of a flange or base, B, uprights *c*, ring *d*, cap C, and spring-holders *f*, substantially as described, and adapted for the reception and retention of glasses or other mediums G.

2. In combination with the described uprights *c* and glasses G, the cap C, having spring-holders *f* and pins *e*, substantially as specified, for the purpose of securing both glasses and cap in position.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of May, 1877.

SAMUEL B. INGLIS.

Witnesses:

ED. T. JAMESON,
THOS. J. MCTIGHE.