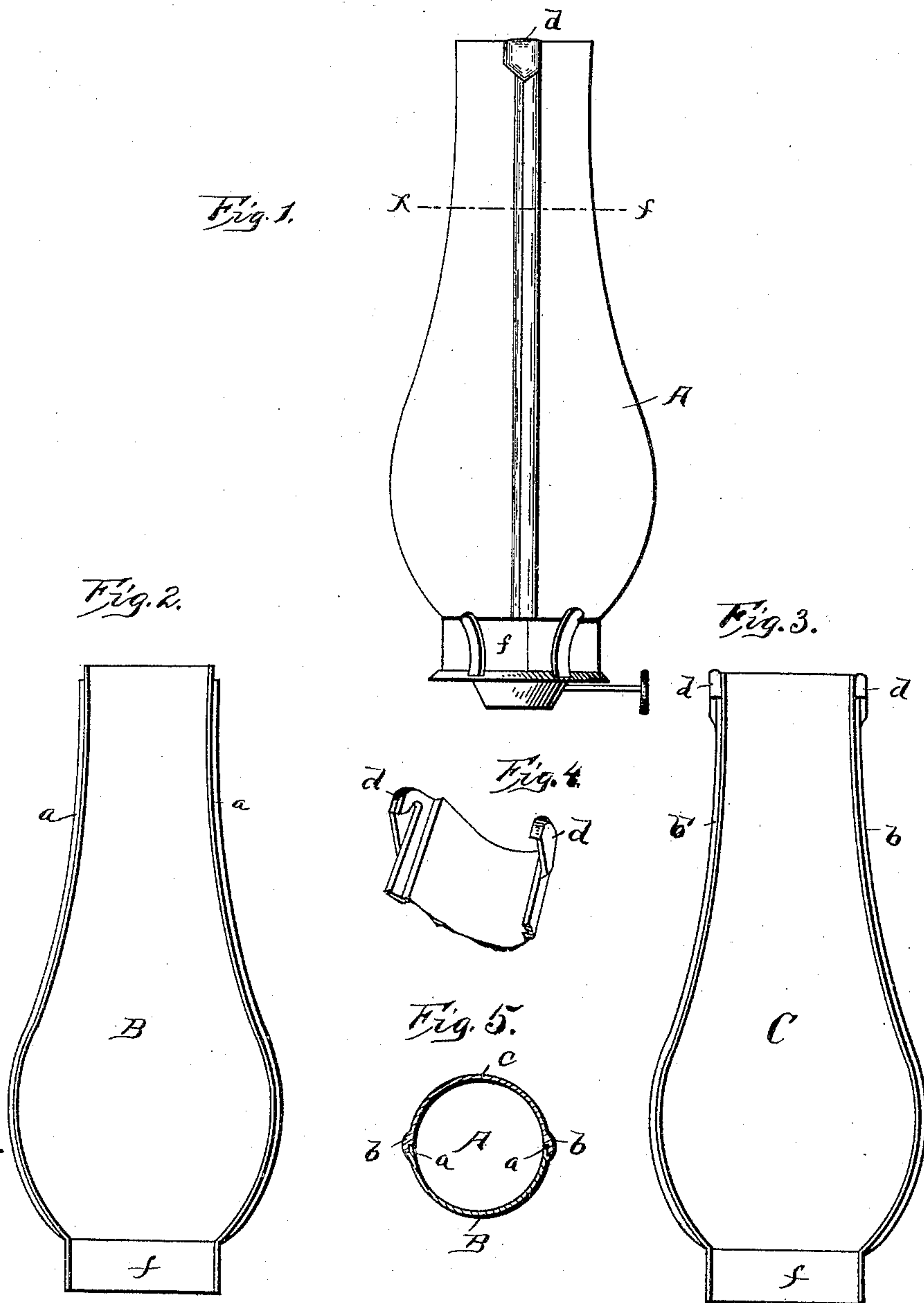


(No Model.)

W. H. WADDELL.
SECTIONAL LAMP CHIMNEY.

No. 444,864.

Patented Jan. 20, 1891.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM H. WADDELL, OF LEXINGTON, VIRGINIA.

SECTIONAL LAMP-CHIMNEY.

SPECIFICATION forming part of Letters Patent No. 444,864, dated January 20, 1891.

Application filed March 31, 1890. Serial No. 346,056. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. WADDELL, of Lexington, in the county of Rockbridge and State of Virginia, have invented certain new and useful Improvements in Sectional Lamp-Chimneys; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention has relation to lamp-chimneys, and particularly to what are known as "bisected" or "sectional" chimneys, and has for its object to provide a chimney that will not break by sudden heat caused by expansion nor from sudden cooling off by contraction, as such conditions are provided for.

This invention is particularly designed to make a chimney which is readily packed, occupying but very little space compared with the present chimneys, avoiding breakages, and adapted for transportation in commerce, which is a great consideration to the shipper, manufacturer, and storekeeper.

A further object of the invention is that the splice or sections of the chimney is so jointed that the joints between the said sections are air-tight. This joint is so arranged that a smooth inner surface is produced, thus not interfering with the draft of the chimney, also permitting the chimney to be readily cleaned by its being in section; and a further object is that the sections by their constructions are held together without bands, the catch at the tops holding the sections together at that end, while the lamp-burner holds the lower ends. Thus a safe and cheap chimney is produced.

In the drawings, Figure 1 shows an elevation of my chimney having the joint in front, also plainly showing the catch at top of chimney, also the burner holding the bottom of the sections. Fig. 2 shows one of the sections with flange terminating below the top of the chimney; Fig. 3, the other section of the chimney, showing the flange and fastening formed

integral therewith. Fig. 4 shows a detail section of the top of the chimney, showing in perspective the catch into which the opposite section fits; and Fig. 5 is a transverse section taken on the line *x x*, Fig. 1.

A is the chimney complete; B, the section without the catch, showing the flange *a*, terminating below the top of the section. C is the opposite section, also provided with a flange *b*, projecting near the edge of the section. It will be observed that the flange *a* on section B is located back from the edge, while the flange *b* is located over the edge of section C. Thus a break-joint is formed which effectually renders the joint air-tight.

d is the catch or lug, preferably formed as a continuation of the flange *b* and adapted to receive the top end of the flange of the section B, while the flanges of both the sections terminate at the bulge or globe of the chimney at the bottom.

The lower rim of the chimney at *f* is plain, so as to be readily fitted into and receive the upper projecting fingers of the burner.

It is obvious that the base or rim *f* may be made of any suitable contour to fit burners in general use, and it is also evident that the flanges and catch or lugs will be made integral with the sections when made.

Having thus fully described my invention and the best means at present known to me for carrying the same into effect, what I claim as new, and desire to secure by Letters Patent, is—

As an article of manufacture, a bisected lamp-chimney, the sections thereof having flanges or beads at their meeting edges to form a tight joint, one of the sections at its upper end having grooved catches or lugs to receive the bead or flange of the other section and prevent lateral separation of the sections, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM H. WADDELL.

Witnesses:

O. E. DUFFY,
C. M. WERLE.