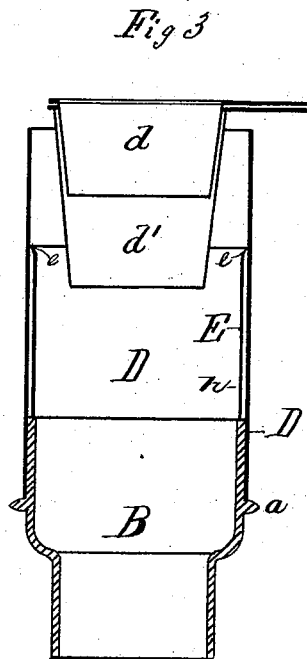
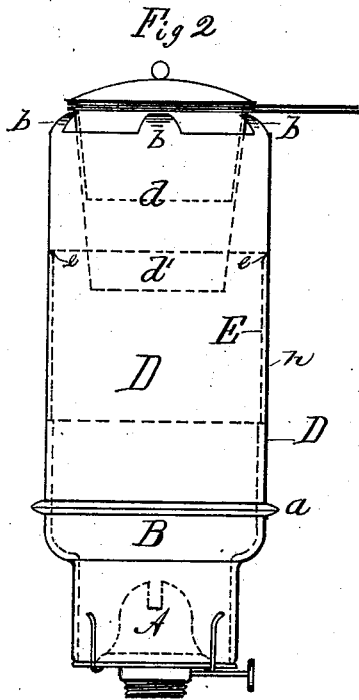
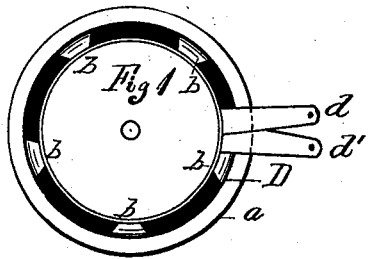


E. MERCIER.
Nursery-Lamp Chimney.

No. 208,916.

Patented Oct. 15, 1878.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD MERCIER, OF SPRINGFIELD, MASSACHUSETTS.

IMPROVEMENT IN NURSERY-LAMP CHIMNEYS.

Specification forming part of Letters Patent No. 208,916, dated October 15, 1878; application filed February 27, 1878.

To all whom it may concern:

Be it known that I, EDWARD MERCIER, of Springfield, county of Hampden, and State of Massachusetts, have invented new and useful Improvements in Nursery-Lamp Chimneys, which improvements are fully set forth in the annexed specification and in the accompanying drawing.

My invention relates to that class of chimneys which may be used upon a kerosene-lamp, in place of the ordinary glass chimney, and whereby the lamp is converted into a nursery-lamp, by having said chimney so arranged that proper vessels containing articles of food may be placed in the top of the chimney, for the purpose of warming or cooking said food by the heat of the lamp-flame.

I am aware that a variety of methods have been resorted to, in the construction of the above-named chimneys, in order to make them practicable for serving the purpose of warming food, &c., and for, in a measure, allowing the light of the lamp to shine into the room at the same time, the latter result being sought for by making a metallic chimney and inserting mica into an opening made therein opposite the lamp-flame, or by perforating said chimney near its lower end.

The object of my invention is to make a chimney for the above-named purpose that will serve sufficiently well for all required lighting purposes, and at the same time be useful for the additional purpose named above.

In the drawings, which consist of three figures, Figure 1 is a top view of my improved chimney. Fig. 2 is an elevation, showing the chimney set onto a burner. Fig. 3 is a vertical section.

Like letters refer to like parts in the different figures.

A is the burner. B is the short glass chimney-base, provided with a bead, *a*, surrounding it. D is a metallic chimney, fitted to the top of base B, and terminating in a series of inwardly-projecting points, *b*. E is an inner shield to chimney D, on the end of which is turned outwardly a flange, *e*. *d d'* are cooking utensils adapted to fit the top of the chimney D.

The glass chimney-base B is made to fit the

burner A, in place of the ordinary glass chimney, and reaches up around the lamp-flame, and is provided with a bead, *a*, which surrounds it, leaving above the latter sufficient length of glass on which to slide the metallic chimney D down against said bead, where it is firmly held in proper position.

The shield E is made of less diameter than the interior of chimney D, so that there will be an air-space, *h*, between the two, in order to prevent the outside of chimney D from getting hot enough to melt the tin on its surface, and from discoloration by heat. This enables me to make the chimney of sheet-tin at a small cost, and to preserve its good outward appearance. By turning outwardly the flange *e* on the shield E, said flange provides adequate means for retaining the shield in its proper position inside of chimney D, so as to secure the air-space *h* between it and the chimney.

The inwardly-projecting points *b* around the top of chimney D serve to rest the cooking utensils *d d'* upon, as their points are adjusted to bear under the rims of the latter. Thus ample air-spaces *h* are provided around the top of chimney D, between it and said utensils, so that the necessary draft for the lamp-flame is not interfered with.

The glass chimney-base B allows all requisite light to escape, and the metallic chimney D answers all the requirements of a nursery-lamp.

I am aware that lamp-chimneys have been made by providing a circular metallic frame of proper height to be set upon the burner, for the reception of glasses in sections, and by surmounting a chimney so formed with a metallic top or tube, and I do not claim a chimney so constructed; but

What I claim as my invention is—

In combination with the lamp-burner A, the glass chimney-base B, the tubular metallic chimney D, the inwardly-projecting dish-supporting points *b*, and the inner shield, E, substantially as and for the purpose specified.

EDWARD MERCIER.

Witnesses:

H. A. CHAPIN,
WM. H. CHAPIN.