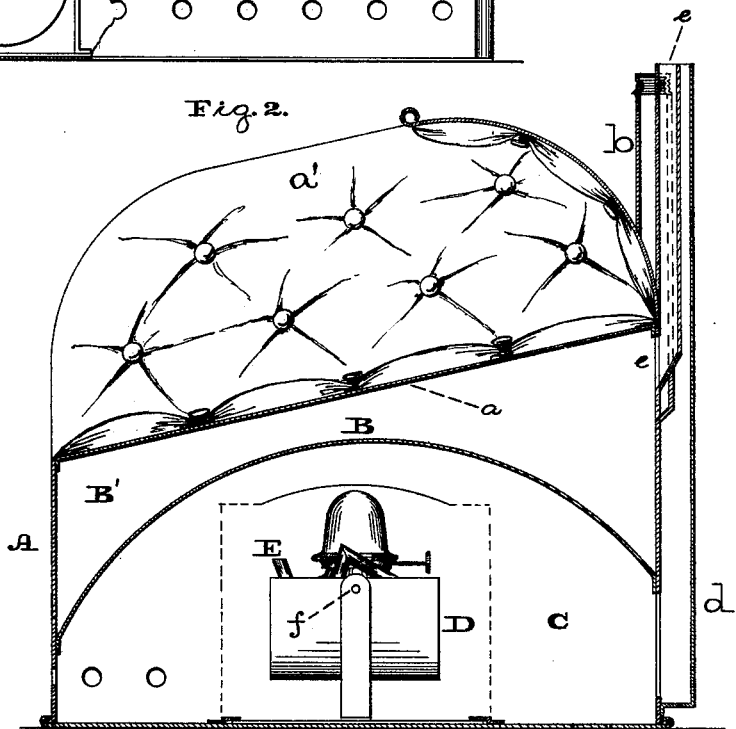
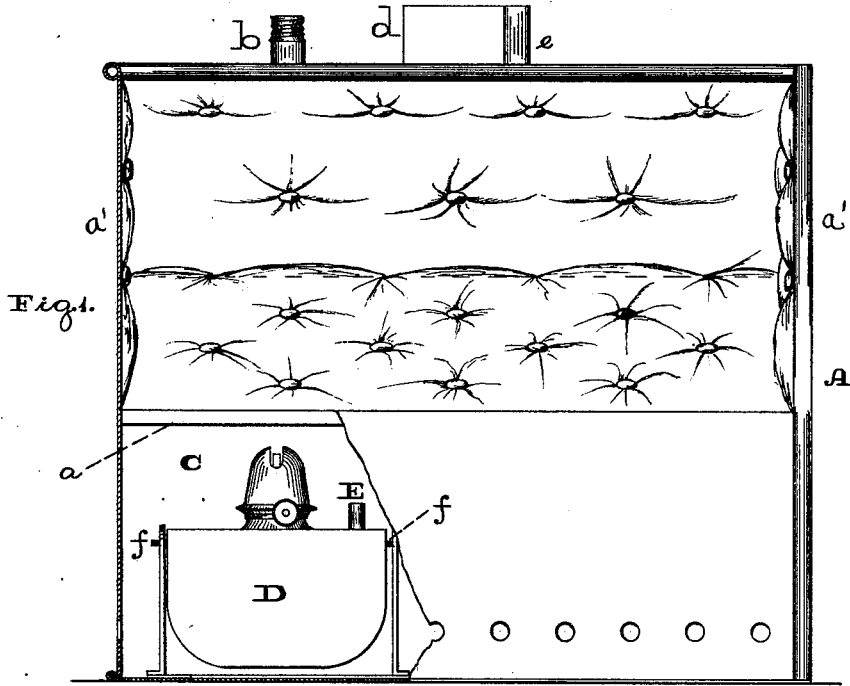


M. E. BEASLEY.
Foot-Warmer.

No. 202,919.

Patented April 30, 1878.



Witnesses:

No. P. Grant,

W. F. Kitchen

Inventor:

Maria E. Beasley,

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UNITED STATES PATENT OFFICE.

MARIA E. BEASLEY, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FOOT-WARMERS.

Specification forming part of Letters Patent No. 202,919, dated April 30, 1878; application filed March 6, 1878.

To all whom it may concern:

Be it known that I, MARIA E. BEASLEY, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Foot-Warmers, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a front view, partly broken away, of the foot-warmer embodying my invention. Fig. 2 is a transverse section thereof in line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists of a foot-warmer, having a tread, water-chamber, lamp-chamber, and other appurtenances, as will be hereinafter set forth.

Referring to the drawings, A represents the body or case of the foot-warmer, whose upper face *a* constitutes the tread or rest for the feet. B represents a wall, which is of arch form, and is secured to the sides of the body below the tread *a*, so as to form a chamber, B', into which water will be admitted by means of a pipe, *b*, properly applied. The arch form of the wall provides an enlarged water-space and heating-surface, the necessity of a large body or case being thereby obviated. Between the wall B and bottom of the body A there is a space or chamber, C, for the reception of one or more lamps, D, whose flame or heat is directed against the wall B, for heating the water in the chamber B'. A pipe, *d*, communicates with the space C and the atmosphere, for passing off the smoke, &c., of the lamp or lamps, and a pipe, *e*, communicates with the chamber B' and atmosphere, for the escape of steam generated in said chamber.

It will be seen that when the chamber B' is properly supplied with water, and the lamp or lamps D are lighted, the hot water of said chamber imparts a high degree of warmth to the tread or rest *a*, whereby the feet placed

on the latter will be duly warmed, said tread and the uprights *a'*, arising from the sides thereof, being properly covered or upholstered for retaining heat and providing a soft and comfortable support for the feet.

Owing to the liability of foot-warmers to overturn and upset the lamps therein, I provide the latter, at their upper ends, with journals *f*, and mount them on uprights preferably attached to the supporting plate or slide, by which the lamp or lamps may be moved in and out of the chamber or space C, the side of the latter being provided with a suitable door for evident purposes.

It will be noticed that if the warmer is overturned, the lamps at once right themselves by turning on their axes *f*, so that the flame is uppermost, and danger of explosion of the lamps is obviated.

In order to pass off any accumulated and dangerous vapor in the reservoir or body of the lamp, I provide a pipe, E, which forms an external communication for the reservoir, and allows the vapor to escape therefrom.

Suitable openings are made in the case A to admit air to the lamp-chamber, and handles may be provided for the ready transportation of the device.

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

1. The body A, with water-chamber B', lamp-chamber C, water-pipe *b*, steam-pipe *e*, and smoke-pipe *d*, all combined and operating as described.

2. The foot-warmer consisting of the body A, with tread *a*, water-chamber B', lamp-chamber C, pipes *b d e*, and self-righting lamp or lamps D, combined and operating substantially as and for the purpose set forth.

MARIA E. BEASLEY.

Witnesses:

JOHN A. WIEDERSHEIM,
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