

N. H. BRUCE.

Foot Warmer.

No. 68,944.

Patented Sept. 17, 1867.

FIG. 2

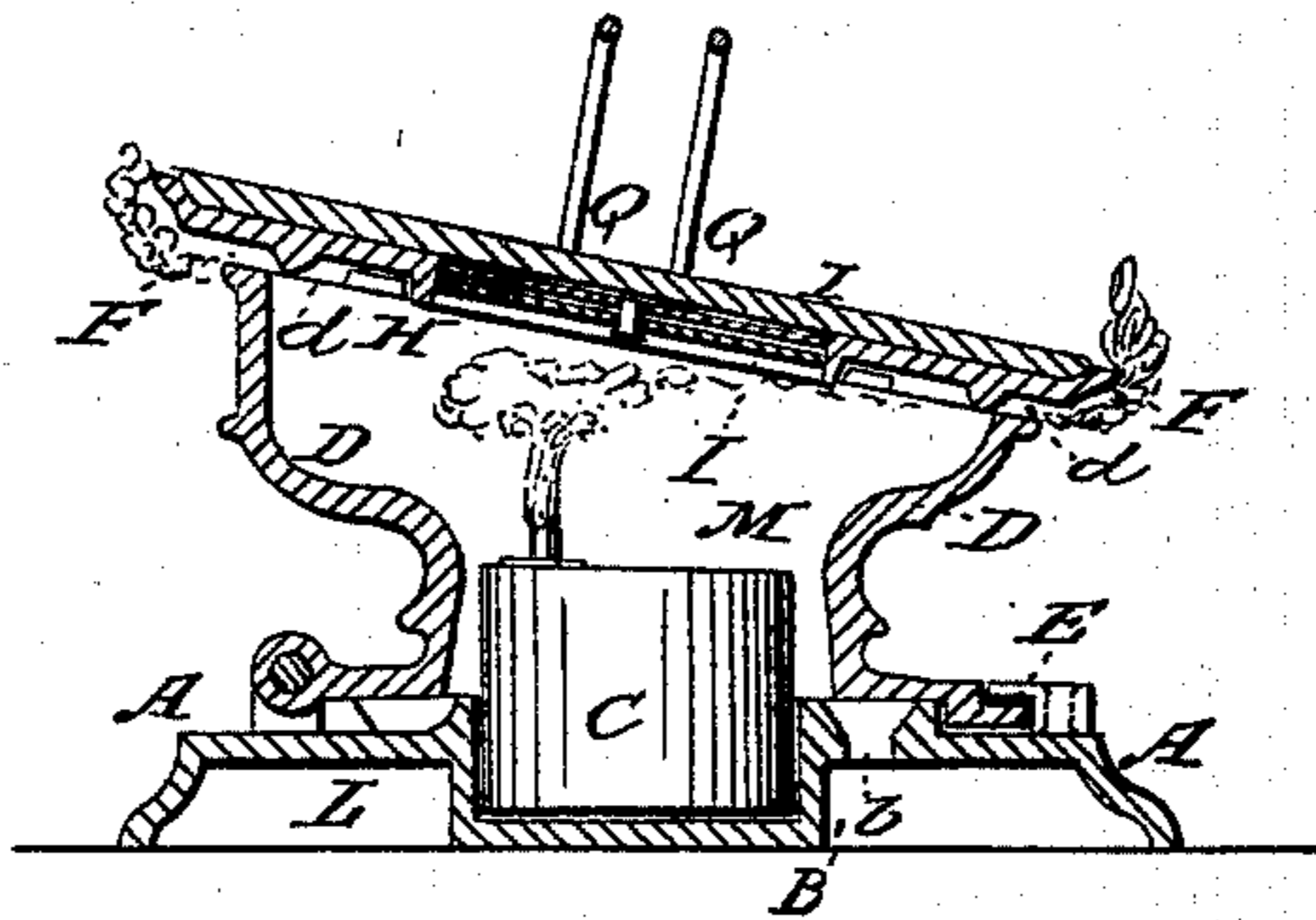
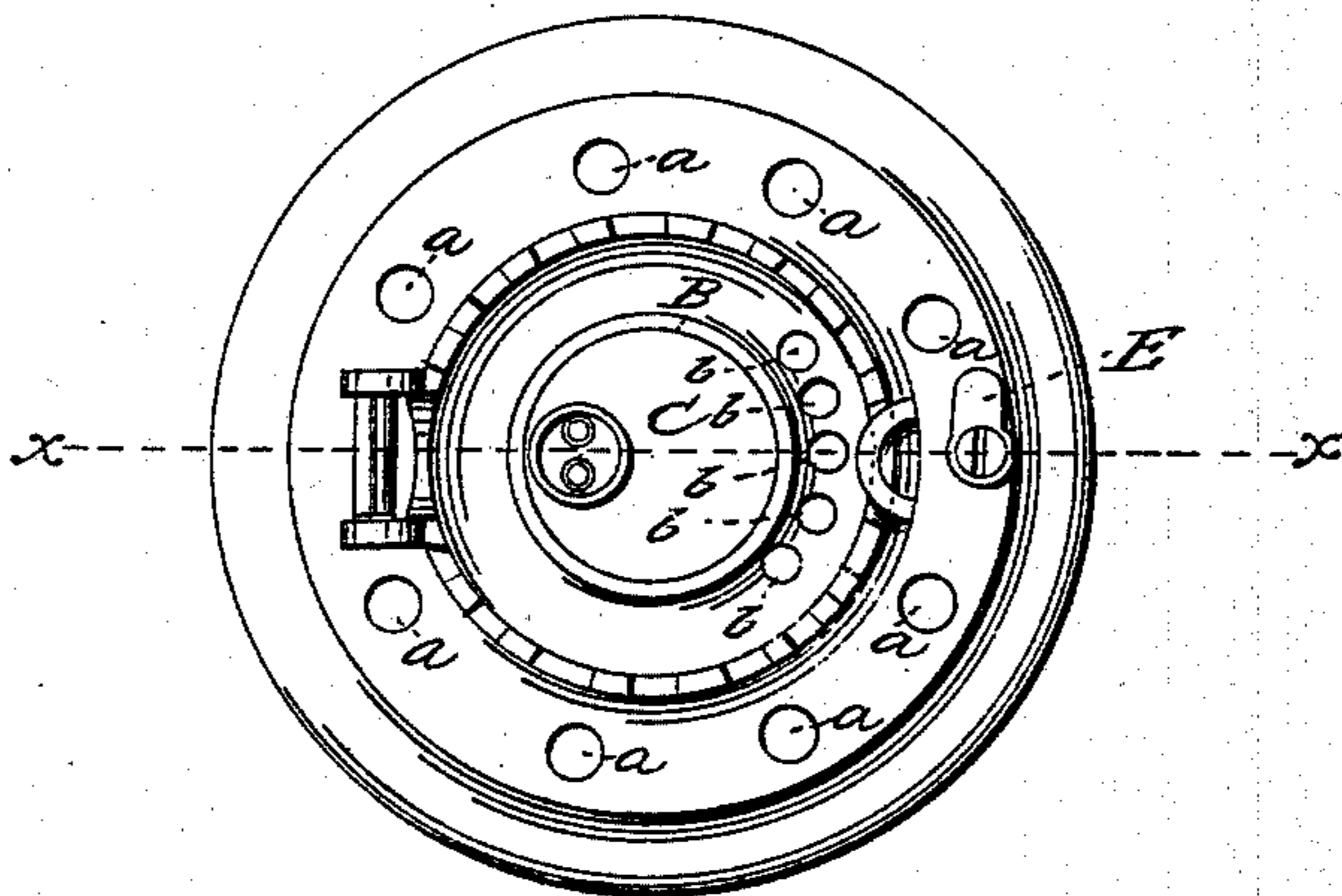


FIG. 1



WITNESSES:

Theo. Fische
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INVENTOR:

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United States Patent Office.

N. H. BRUCE, OF FORGE VILLAGE, WESTFORD, MASSACHUSETTS.

Letters Patent No. 68,944, dated September 17, 1867.

FOOT-WARMER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, N. H. BRUCE, of Forge Village, Westford, in the county of Middlesex, and State of Massachusetts, have invented a new and improved Foot-Warmer; 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 drawings, forming part of this specification.

The present invention relates to an apparatus to be used as a foot-warmer, and consists in a novel construction of the same, whereby many important advantages are secured, as will be apparent from the following detail description, reference being had to the accompanying plate of drawings, in which—

Figure 1 is a plan or top view of the base or pedestal of my improved foot-warmer.

Figure 2 a transverse vertical section taken in the plane of the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

A, in the drawings, represents the base or pedestal of my improved warmer, which base is made of a suitable or ornamental exterior, with its upper surface flat or horizontal, and sunk at its centre, forming a recess or socket, B, in which a lamp, C, is to be placed for generating the necessary heat in the warmer. To the upper side of the base or pedestal A a box or casing, D, is hinged, so that it can be swung up from the same to open the pedestal, this box D being held closed by a button, E, properly affixed to the said pedestal therefor. The upper end of the casing D is somewhat larger in diameter than its lower end, and is closed by a fixed cover or plate, F, which is inclined in position, this plate F constituting the surface upon which the feet directly rest when placed upon the warmer. Over the plate F a covering of carpet, G, is secured. The top plate F to the foot-warmer is cast with a central opening, H, in which are secured two plates, I, of sheet iron, or other suitable sheet metal, in planes parallel to each other, with a space, *a*, between them. The under-side of the pedestal A is hollowed out, so that, when set upon the floor of a room or other place, a chamber, L, will be thus formed, into which air passes through apertures *a* in the top plate of the pedestal outside of the casing D, hung to such pedestal, and from thence through the apertures *b* of such plate into the interior or chamber M of the box D, into which also air is supplied or passes through the apertures formed by grooving or channelling the top plate of the pedestal, where the lower end or edge of the box or casing D rests upon it, the air thus admitted to the box or casing being necessary to support the combustion of the lamp placed therein, and after being heated by the same passes out or escapes through apertures *d* in the side of the box D, at or near the top plate I. Q, straps or cords, secured to the foot-warmer, described above, for convenience in handling or carrying the same.

By my improved construction of a foot-warmer it is apparent that, first, it is simple and easy to be managed or operated; and second, that by forming the centre of the rest-plate for the feet of sheet metal, with a chamber or place between the sheets used, a greater amount of heat is caused to be imparted by the lamp or other heating medium employed to the feet.

What I claim as new, and desire to secure by Letters Patent, is—

The construction and arrangement of the perforated base A, having the socket B, lamp C, hinged casing D, inclined covered plate F, with central opening H, in which are secured the sheet-metal plates I, as herein shown and described for the purpose specified.

N. H. BRUCE.

Witnesses:

LUTHER PRESCOTT,

SHERMAN L. PRESCOTT.