(No Model.)

H. N. DAWSON.

FOOT WARMER.

No. 408,956. Patented Aug. 13, 1889.

FIG. 1.

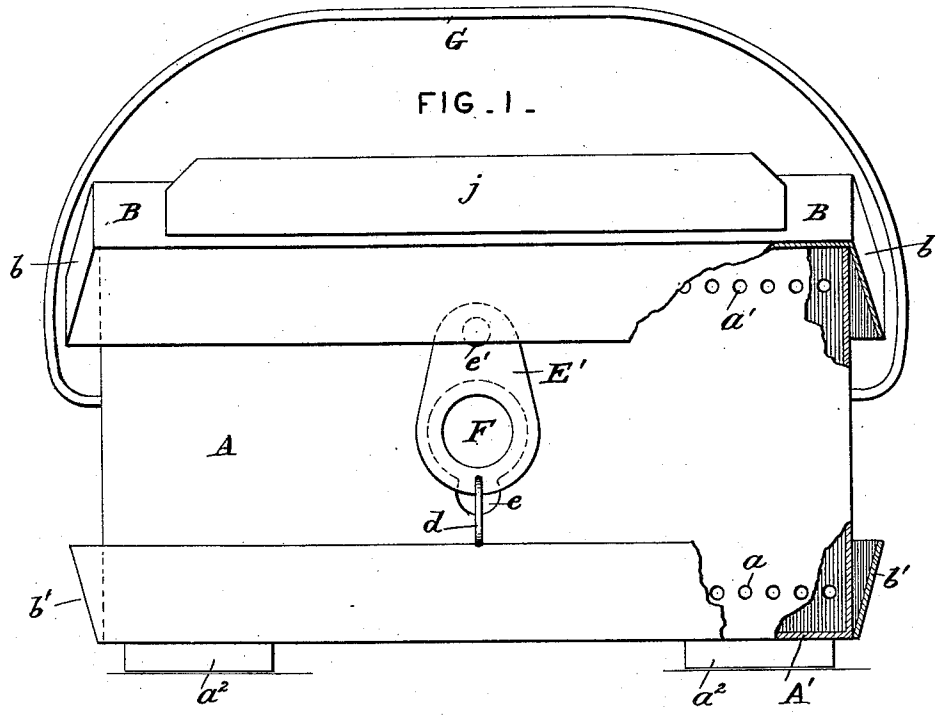
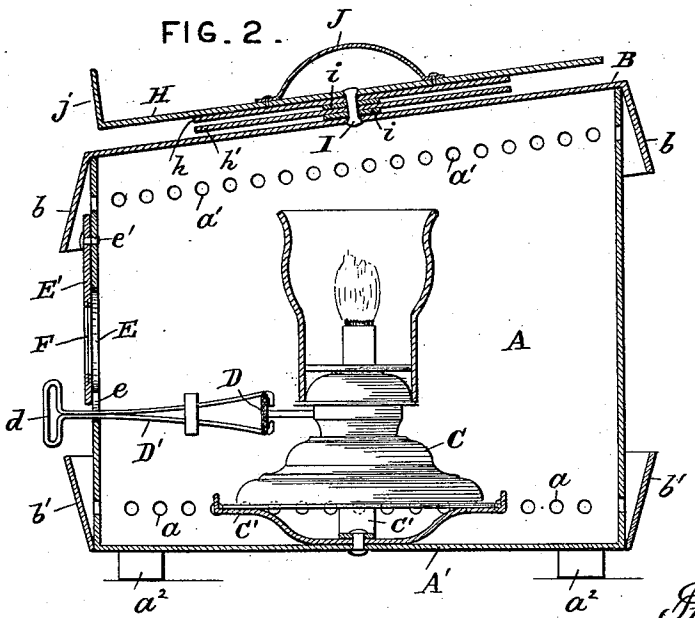


FIG. 2.



Attest:
Geo. T. Smallwood
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UNITED STATES PATENT OFFICE.

HELMIT N. DAWSON, OF OAK HILL, KANSAS.

FOOT-WARMER.

SPECIFICATION forming part of Letters Patent No. 408,956, dated August 13, 1889.

Application filed February 13, 1889. Serial No. 299,754. (No model.)

To all whom it may concern:

Be it known that I, HELMIT N. DAWSON, a citizen of the United States, residing at Oak Hill, in the county of Clay and State of Kansas, have invented certain new and useful Improvements in Foot-Warmers; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to foot-warmers; and it consists in the novel construction and combination of the parts, hereinafter fully described and claimed, whereby the device is specially adapted for use in carriages and other vehicles for warming the feet by artificial heat.

In the drawings, Figure 1 is a front view of the foot-warmer. Fig. 2 is a vertical cross-section through the same, taken on the line x x in Fig. 1.

A is a rectangular box provided with a bottom A′, resting on feet a^2, and having a series of cold-air holes a in its sides near the bottom, and a second series of hot-air holes a' near the top of the box.

B is the top of the box, which is removable and is provided with the outwardly-projecting flanges b. Similar flanges b' project outwardly and upwardly from the bottom of the box, the object of said flanges being to permit the air to have free ingress and egress by the holes a and a' and to prevent the said holes from being closed up by the carriage-robes.

C is a lamp of any approved construction, and adapted to burn any convenient inflammable material, such as spirit or oil. The lamp is supported upon the springs C′, inside the box, so that the jolting of the vehicle will not extinguish the flame.

D is the regulator of the lamp for raising or lowering the wick in the usual manner, and D′ is a spring-clip engaging with said regulator D, and having its free end d projecting through a small notch e at the side of the hole E in the front of the box. E′ is a cover for the said hole E, pivoted to the box by the pin e', and F is a small sight-window, of glass or mica, in the said cover. When the cover is moved to one side, the hole E affords room for manipulating the spring-clip and raising or lowering the wick of the lamp.

G is a handle or bale pivoted to the sides of the box for carrying it about.

H, h, and h' are three plates secured to the cover or top B by the bolt I, and i are washers on the said bolt for keeping the plates apart and allowing air to circulate freely between them. The top plate H is provided with the flange j, for keeping the feet from slipping, and J is a handle secured to the said top plate for lifting off the top of the box, together with the plates attached to it.

What I claim is—

1. In a foot-warmer, the combination, with an inclosing-box, of a lamp provided with a regulator, and a removable spring-clip engaging with said regulator and projecting through an aperture in the side of the box, substantially as and for the purpose set forth.

2. In a foot-warmer, the combination, with an inclosing-box, of a lamp provided with a regulator, a removable clip secured to said regulator, a hand-hole in the side of the box, having a notch in its edge for the clip to project through, and a cover for the said hand-hole, pivoted to the box and provided with a window, substantially as and for the purpose set forth.

3. In a foot-warmer, the combination, with an inclosing-box, of a lamp, a removable cover for the box above the lamp, a series of plates secured to the cover, and washers interposed between said plates and forming air-spaces between them, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HELMIT N. DAWSON.

Witnesses:
PETER VAN SCOJOE,
JOSEPH L. KEENER.