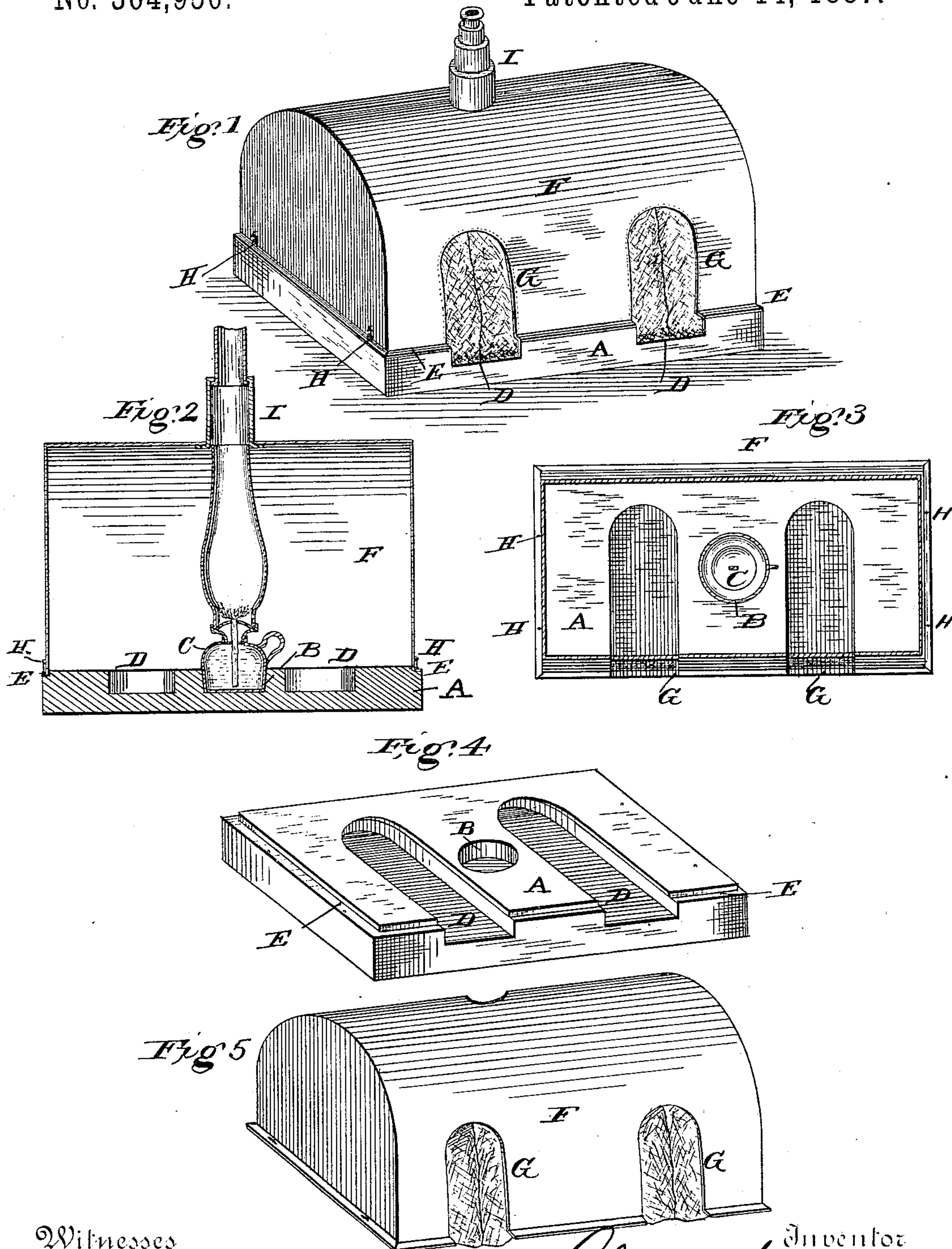


(No Model.)

C. NELSON.  
FOOT WARMER.

No. 364,950.

Patented June 14, 1887.



Witnesses  
F. L. Ouraud.  
Henry H. Cowl.

Inventor  
Christ Nelson,  
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# UNITED STATES PATENT OFFICE.

CHRIST NELSON, OF TORONTO, DAKOTA TERRITORY.

## FOOT-WARMER.

SPECIFICATION forming part of Letters Patent No. 364,950, dated June 14, 1887.

Application filed February 14, 1887. Serial No. 227,496. (No model.)

*To all whom it may concern:*

Be it known that I, CHRIST NELSON, a citizen of the United States, and a resident of Toronto, in the county of Deuel and Territory of Dakota, have invented certain new and useful Improvements in Foot-Warmers; 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, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved foot-warmer complete. Fig. 2 is a longitudinal vertical sectional view of the same. Fig. 3 is a transverse vertical section on line *xx*, Fig. 2. Fig. 4 is a perspective view of the recessed base, and Fig. 5 is a similar view of the removable hood.

Like letters of reference indicate corresponding parts in all the figures.

My invention has relation to that class of foot-warmers which are adapted more particularly for use in sleighs and other vehicles, and in which the heat is generated by means of a suitably-constructed lamp; and my improvement consists in the detailed construction and combination of parts of a device of that class, which will be hereinafter more fully described and claimed.

In the accompanying drawings, the letter A denotes the base, which is preferably a wooden block, rectangular in shape, and of any desired dimensions. In the middle part of this block is a recess, B, which may be square, round, or oval, so as to fit the oil-receptacle of a lamp or heater, C. In the front part of the block A, on both sides of the central recess, B, are depressions or recesses D D, of such shape and size that they will readily admit the feet, and around the block is a ledge or shelf, E, forming a rest for the removable hood F. The latter, which is constructed of any kind of suitable sheet metal, is of a size and shape to conform to the block or base upon which it rests, with a rounded or dome-shaped top, and apertures G G, registering with the recesses D D in the

base-block, for the insertion of the feet. In order to hold this hood in position upon the base or block, I employ hooks, as shown at H H, or other similar fastening device, of such a construction that the hood may readily be removed at will for the ready insertion and removal of the lamp.

The top part of the hood over the lamp is provided with a flue, I, for the escape of the smoke and products of combustion, and if desired this flue may be constructed in several sections, telescoping into one another, so that it may be extended to a sufficient length to extend above the blankets or sleigh robes.

From the foregoing it will be seen that this device is of so simple a construction that it may be made by any person of ordinary mechanical skill, the materials being readily obtainable. As wood is a poor conductor of heat, the feet will be kept warm and comfortable by the hot air inside of the dome, and, if desired, the apertures G G in the front part of the dome may be provided with curtains made of thick cloth, leather, or other suitable material, and split longitudinally through the middle, so as to readily admit the feet, which, by fitting the feet closely, will prevent the heated air inside of the dome from escaping too rapidly through these apertures.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

A foot-warmer consisting of a wooden base or block of suitable shape having a central recess for the insertion of a lamp and side recesses for the insertion of the feet, in combination with a removable hood or dome provided with apertures on one side registering with the foot recesses in the base, and having a flue or chimney above the lamp-recess, substantially as and for the purpose set forth.

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

CHRIST NELSON.

Witnesses:

E. E. QUIDSTAD,  
S. ENSBERG.