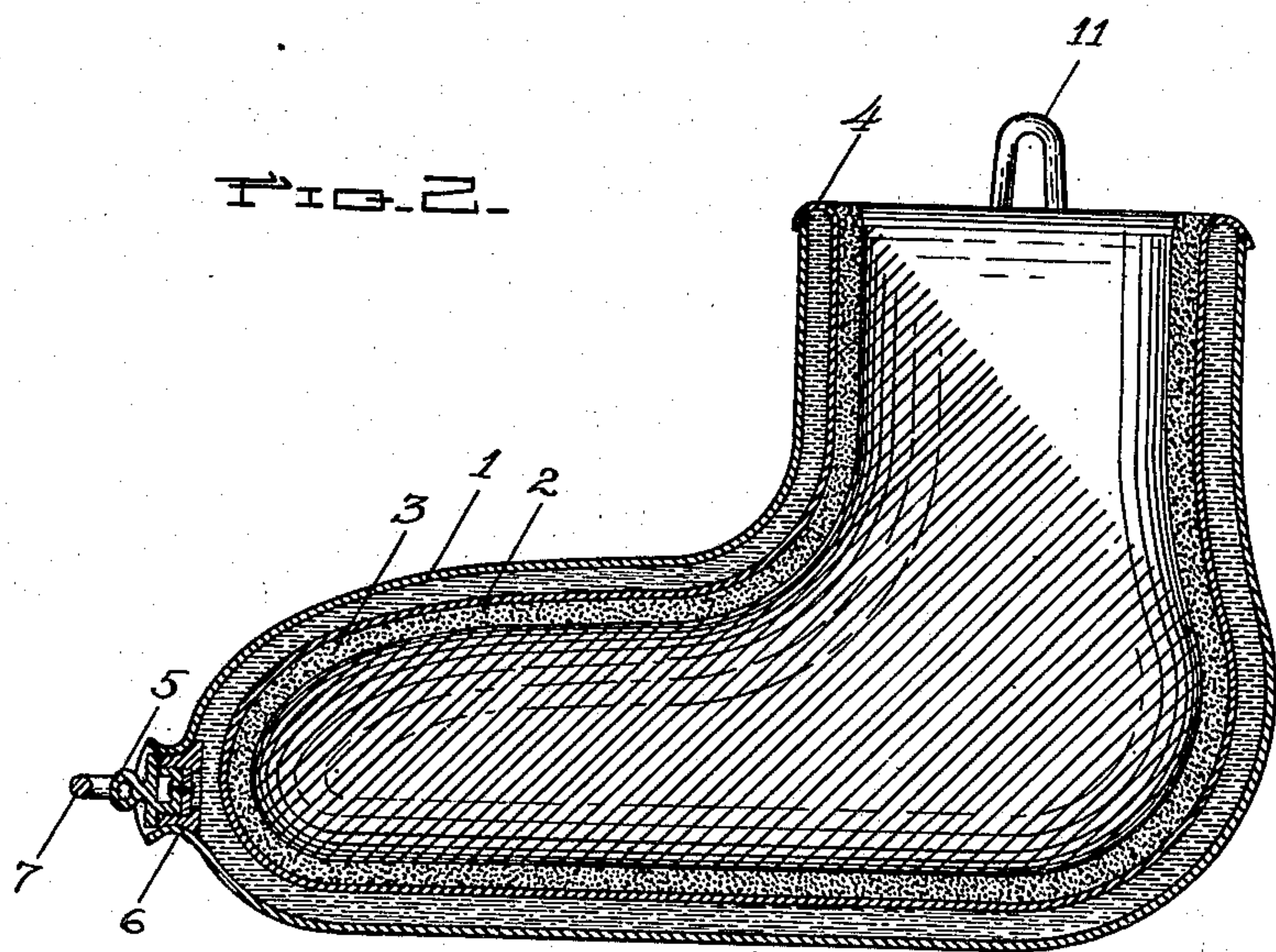
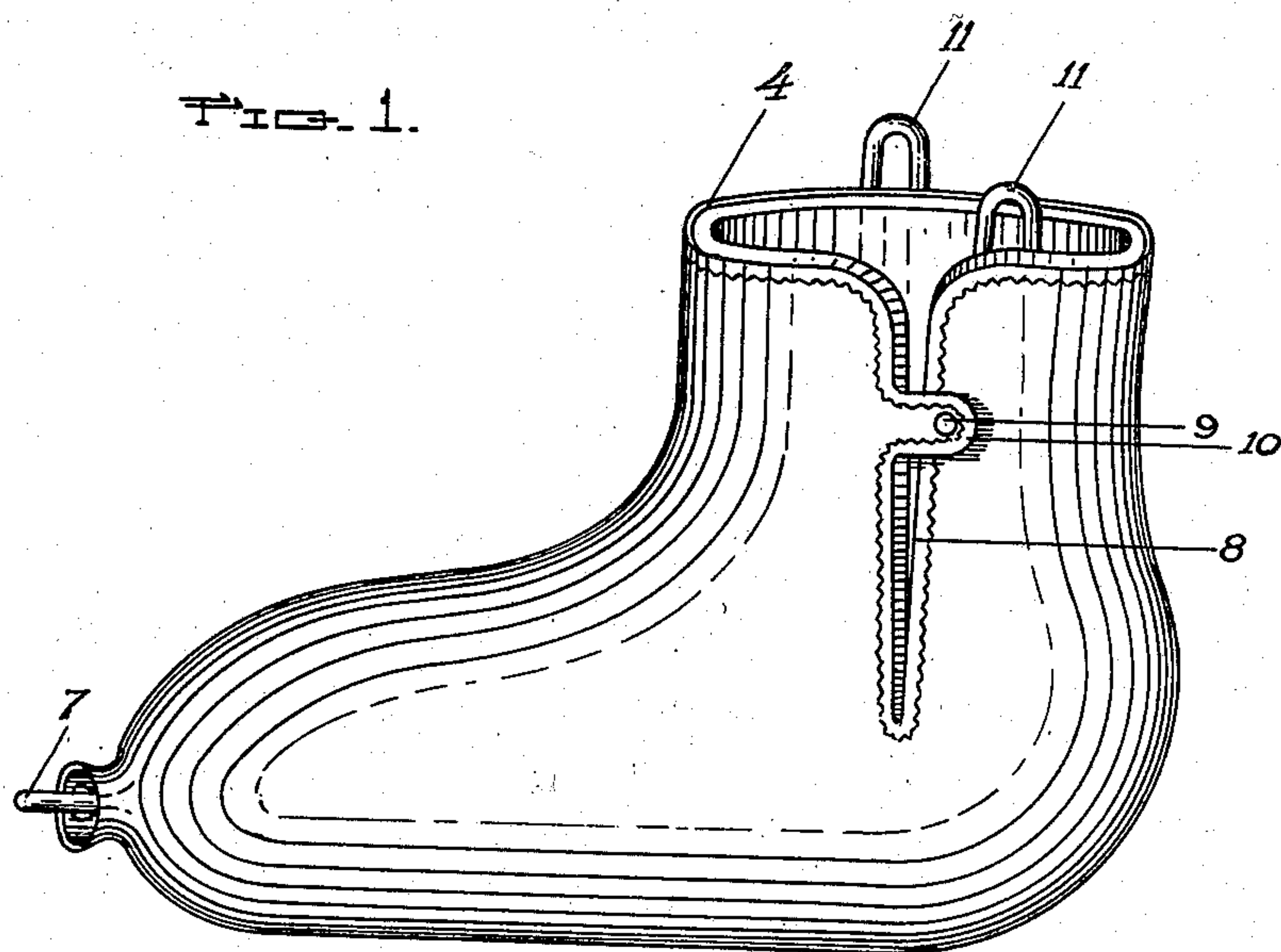


No. 885,112.

PATENTED APR. 21, 1908.

M. E. WALLER.
FOOT WARMER.

APPLICATION FILED APR. 19, 1907.



Witnesses;
E. N. Barker.
Mary E. Hickey.

Inventor,
Mary E. Waller.
By *Walter W. Barker*. Atty.

UNITED STATES PATENT OFFICE.

MARY E. WALLER, OF BETHEL, VERMONT.

FOOT-WARMER.

No. 885,112.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed April 19, 1907. Serial No. 369,165.

To all whom it may concern:

Be it known that I, MARY E. WALLER, a citizen of the United States, residing at Bethel, in the county of Windsor, State of Vermont, have invented a certain new and useful Improvement in Foot-Warmers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an article of manufacture for warming the feet. There are in use at present many forms of hot water bottles and similar devices for this purpose, but these merely heat on one side of the foot, whereas this invention performs that function upon all sides.

It is a well known fact that heat applied to the top of the foot and the ankle in particular has more effect on the temperature of the body and the circulation of the blood than at any other part of the body so that a warmer which covers both the foot and ankle is materially advantageous over other types. It must be understood throughout this description and claims that the mention of foot includes ankle.

The feature of this invention is a shoe of rubber or other suitable material with an inner and outer layer, between which may be inserted a hot substance. Usually this heating substance is water, but air, sand or other suitable article might be used. An opening is provided in this shoe, as will be more fully described hereinafter, similar to that found in the ordinary type, with a fastener or other suitable means for closing the same when the shoe is upon the foot. Loops are placed upon the top of the shoe to aid in pulling on the same.

To protect the foot of the wearer from the heated surface of the rubber, a felt lining may be placed within the shoe, but this must be removable to prevent its becoming damp. Such a lining is shown in the accompanying drawings.

A cock of optional form is placed upon the shoe to allow the heating substance to be put into the space between the inner and outer covers and it has been found advantageous to locate this near the toe of the shoe, though any other suitable location might be used.

The inner and outer layers of the shoe are preferably cemented only at the top of the ankle part and about the opening, already

mentioned, to allow the heating substance free movement between them.

The preferred embodiment of this invention as shown in the drawings is as follows:—

Figure 1 shows a side elevation of the invention complete. Fig. 2 is a vertical section through the center of the ankle and foot with all parts in front removed.

Referring to the drawings:—1 is the outer layer of the shoe; 2, the inner layer; 3, the felt lining; 4, the place where the layers 1 and 2 are cemented together; 5, the cock to close the aperture 6 by which the space between the layers 1 and 2 is filled with the heating substance; 7, a rubber ring by means of which the shoe may be held during the filling process; 8, an opening in the side of the shoe which may be opened to allow the same to be easily drawn on; 9, a clasp or button upon the flap 10 to close the opening 8; and 11, 11 are the straps to be used in putting on the shoe.

I claim as my invention and desire to secure by Letters Patent:—

1. As a new article of manufacture, a shoe consisting of an inner and outer layer of material having a space between said layers, the inner layer being suspended at its top from the outer layer to allow relative motion between said layers.

2. As a new article of manufacture, a shoe consisting of an inner and outer layer having a space between said layers the inner layer being suspended at its top from the outer layer to allow relative motion between said layers and means by which a substance may be placed between said layers.

3. As a new article of manufacture, a shoe consisting of an inner and outer layer having a space between said layers the inner layer being suspended at its top from the outer layer to allow relative motion between said layers, and one of said layers being provided with a controlled opening leading to the space between said layers.

4. As a new article of manufacture, a shoe consisting of an inner and outer layer of flexible material, said inner layer being suspended at its top from the outer layer to allow relative motion between said layers, and means for retaining the form of said inner layer.

5. As a new article of manufacture, a shoe consisting of an inner and outer layer of flexi-

ble material, said inner layer being suspended at its top from the outer layer to allow relative motion between said layers, and a supporting layer within said inner layer.

5 6. As a new article of manufacture, a shoe consisting of an inner and outer layer of flexible material, said inner layer being suspended at its top from the outer layer to allow relative motion between said layers, and means
10 for allowing said shoe to be easily drawn upon the foot.

7. As a new article of manufacture, a shoe consisting of an inner and outer layer of flexible material, said inner layer being suspended
15 at its top from the outer layer to allow rela-

tive motion between said layers, and a placket to allow said shoe to be easily drawn upon the foot.

8. As a new article of manufacture, a shoe consisting of an inner and outer layer of flexible material, said inner layer being suspended at its top from the outer layer to allow a substance to pass freely between said layers. 20

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

MARY E. WALLER.

Witnesses:

LAURA WILLIAMS,
MARY D. WALLER.