April 28, 1942. M. D. BARNEY 2,281,016

HIP BOOT DRYING HANGER

Filed July 11, 1940

FIG. 1.

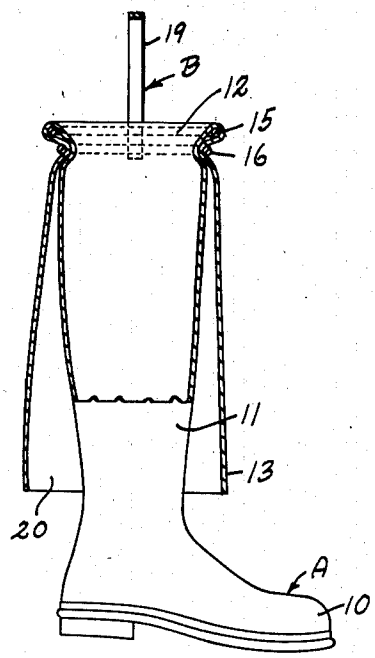


FIG. 2.

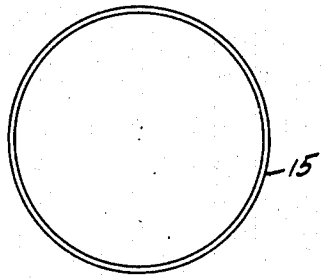


FIG. 3.

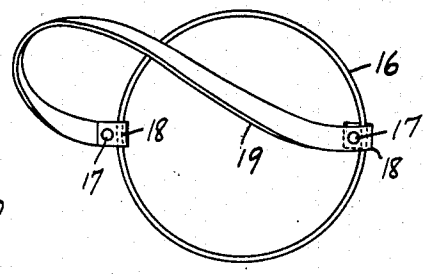


FIG. 4.

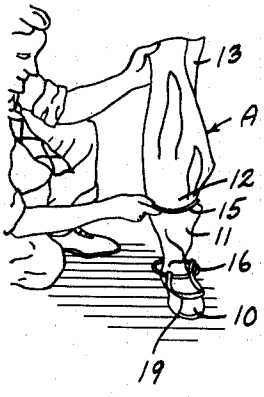


FIG. 5.

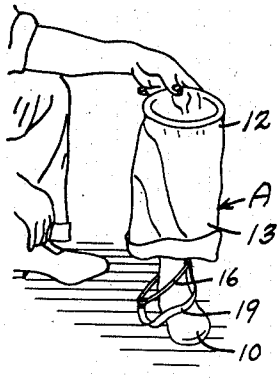
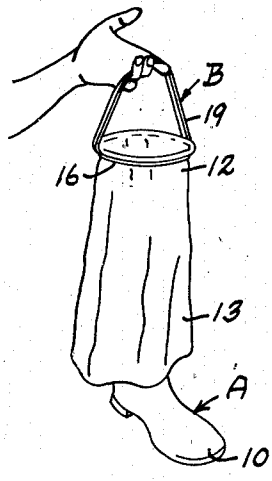


FIG. 6.



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Patented Apr. 28, 1942

2,281,016

UNITED STATES PATENT OFFICE

2,281,016

HIP BOOT DRYING HANGER

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Application July 11, 1940, Serial No. 345,015

5 Claims. (Cl. 34—21)

The present invention relates to improvements in equipment for drying hip boots and more particularly to means for suspending a hip boot with the leg of the boot held open for drying purposes.

In prior boot drying equipment of which I am aware, the boot is dried in an inverted position by conducting heat upwardly into the leg and foot of the boot thru a pipe or other conduit.

The primary object of the invention is to provide means for suspending a hip boot from a section adjacent the knee with the leg hanging open and the foot lowermost and with the boot top inverted and disposed in spaced downwardly flaring relation to the leg so as to pocket warm air, upon hanging the boot over a stove or other source of heat, around the leg of the boot and whereby evaporated moisture within the leg and foot will be carried upwardly and out of the boot by convection.

Another object of my invention is to provide equipment for drying a boot including relatively inexpensive means for suspending a hip boot in a manner whereby the top of the boot will pocket heat rising from a stove or other source and retain the heat around the leg of the boot so as to eliminate the use of heat conducting pipes within the leg of the boot.

Other objects and advantages of the invention will become apparent during the course of the following detailed description, taken in connection with the accompanying drawing, forming a part of this specification, and in which drawing,

Figure 1 is a view partly in side elevation and partly in central vertical section, showing the boot hanger attached to a hip boot.

Figure 2 is a plan view of a ring forming one part of the hanger.

Figure 3 is a plan view of a ring and strap forming another part of the hanger.

Figures 4, 5 and 6 are perspective views illustrating steps in a preferred method of attaching the hanger to a boot.

In the drawing, which for the purpose of illustration shows only a preferred embodiment of the invention, and wherein similar reference characters denote corresponding parts thruout the several views, the letter A generally designates a hip boot and B the hanger therefor.

In the example shown, the hip boot A includes a foot 10, a leg 11, a knee 12, and an upwardly flaring top 13, formed of flexible material, such as rubberized fabric or sheet rubber.

The hanger B comprises a ring 15 of a size to encircle the outside of the boot A adjacent the knee 12 and whereby the boot top 13 may be inverted by pulling the top downwardly over the ring 15 and so as to dispose the inverted boot top in spaced downwardly flaring relation around the leg, as shown in Figures 1 and 5. In addition, the hanger B includes a ring 16 having an inside diameter less than the outside diameter of the ring 15 for disposition in encircling engagement with the inverted boot top 13 subjacent the ring 15. I have found it satisfactory to form the rings 15, 16 of approximately one-eighth inch circular cross section wire and with an inside diameter of six inches for the ring 15, and five and seven-eighths inches for the ring 16. Attached to opposite sides of the smaller ring 16, as by rivets 17, are the bight end portions 18 of a strap 19 of any suitable flexible material. In the example shown, this strap is one-half inch wide and fourteen inches long.

To suspend the boot, the smaller ring 16 with the strap 19 attached is slipped over the boot and permitted to rest around the ankle, and the larger ring 15 is then disposed on the boot adjacent the knee 12, as shown in Figure 4. By reaching inside the boot, the larger ring 15 may be grasped with one hand, and the top 13 may then be folded down over the ring 15, as illustrated in Figure 5. Thereupon, the smaller ring 16, which is resting around the ankle of the boot, may be pulled up outside the boot A until it is disposed subjacent the larger ring 15 and cannot be lifted any higher on the boot. Lastly, the strap 19 is lifted to a position over the leg opening of the boot to form a handle or support for the hanger, as illustrated in Figure 6. By supporting the hip boot A in the manner described, a pocket 20 is formed between the downwardly flaring top 13 and the leg 11, for receiving and holding warm air rising from a stove or other source of heat. This warm air surrounding the leg 11 will, of course, tend to vaporize any moisture within the leg 11 and foot 10 of the boot A. It is to be noted that this vaporized moisture will pass upwardly thru the open leg of the boot due to convection.

Various changes may be made in the form of invention herein shown and described without departing from the spirit of the invention or the scope of the following claims.

I claim:

1. In hip boot drying equipment, means for suspending a hip boot from adjacent the knee with the leg hanging open and the foot lowermost and with the boot top inverted and disposed in spaced downwardly flaring relation to the leg so as to pocket warm air around the leg

and whereby evaporated moisture within the leg and foot will be carried upwardly and out of the boot by convection, said means including a first ring of a size to encircle the outside of the boot adjacent the knee and whereby the boot top may be inverted by pulling the top downwardly over the ring so as to dispose the inverted boot top in spaced downwardly flaring relation around the leg, a second ring having an inside diameter no greater than the outside diameter of the first ring for disposition in encircling engagement with the inverted boot top subjacent the first ring, and a support for the second ring.

2. In hip boot drying equipment, means for suspending a hip boot from adjacent the knee with the leg hanging open and the foot lowermost and with the boot top inverted and disposed in spaced downwardly flaring relation to the leg so as to pocket warm air around the leg and whereby evaporated moisture within the leg and foot will be carried upwardly and out of the boot by convection, said means including a first ring of a size to encircle the outside of the boot adjacent the knee and whereby the boot top may be inverted by pulling the top downwardly over the ring so as to dispose the inverted boot top in spaced downwardly flaring relation around the leg, a second ring having an inside diameter no greater than the outside diameter of the first ring for disposition in encircling engagement with the inverted boot top subjacent the first ring, and a support for the second ring, said support comprising a strap having its opposite end portions attached to the ring.

3. In hip boot drying equipment, means for suspending a hip boot from adjacent the knee with the leg hanging open and the foot lowermost and with the boot top inverted and disposed in spaced downwardly flaring relation to the leg so as to pocket warm air around the leg and whereby evaporated moisture within the leg and foot will be carried upwardly and out of the boot by warm air rising within the open leg and foot, said means including a first ring of a substantially circular cross section, and of a size to encirclingly engage the outside of the boot adjacent the knee and whereby the boot top may be pulled over the ring so as to dispose the inverted boot top in spaced downwardly flaring relation to the leg, a second ring of a substantially circular cross section, and having an inside diameter less than the outside diameter of the first ring for disposition in encircling engagement with the inverted boot top subjacent the first ring, and a flexible support for the second ring.

4. In hip boot drying equipment, means for suspending a hip boot from adjacent the knee with the leg hanging open and the foot lowermost and with the boot top inverted and disposed in spaced downwardly flaring relation to the leg so as to pocket warm air around the leg and whereby evaporated moisture within the leg and foot will be carried upwardly and out of the boot by warm air rising within the open leg and foot, said means including a first ring of a size to encirclingly engage the outside of the boot adjacent the knee and whereby the boot top may be inverted by pulling the top over the ring so as to dispose the inverted boot top in spaced downwardly flaring relation around the leg, a second ring of a size less than the size of the first ring and for disposition in encircling engagement with the inverted boot top subjacent the first ring, and a support for the second ring.

5. The method of drying a hip boot of the character which includes a flexible upwardly flaring top which includes disposing the boot top in inverted downwardly flaring outwardly spaced relation to the empty boot leg to form a downwardly opening pocket between the top and leg, and suspending the empty boot in an upward draft of heated air with the foot of the boot lowermost.

MERRITT DAN BARNEY.