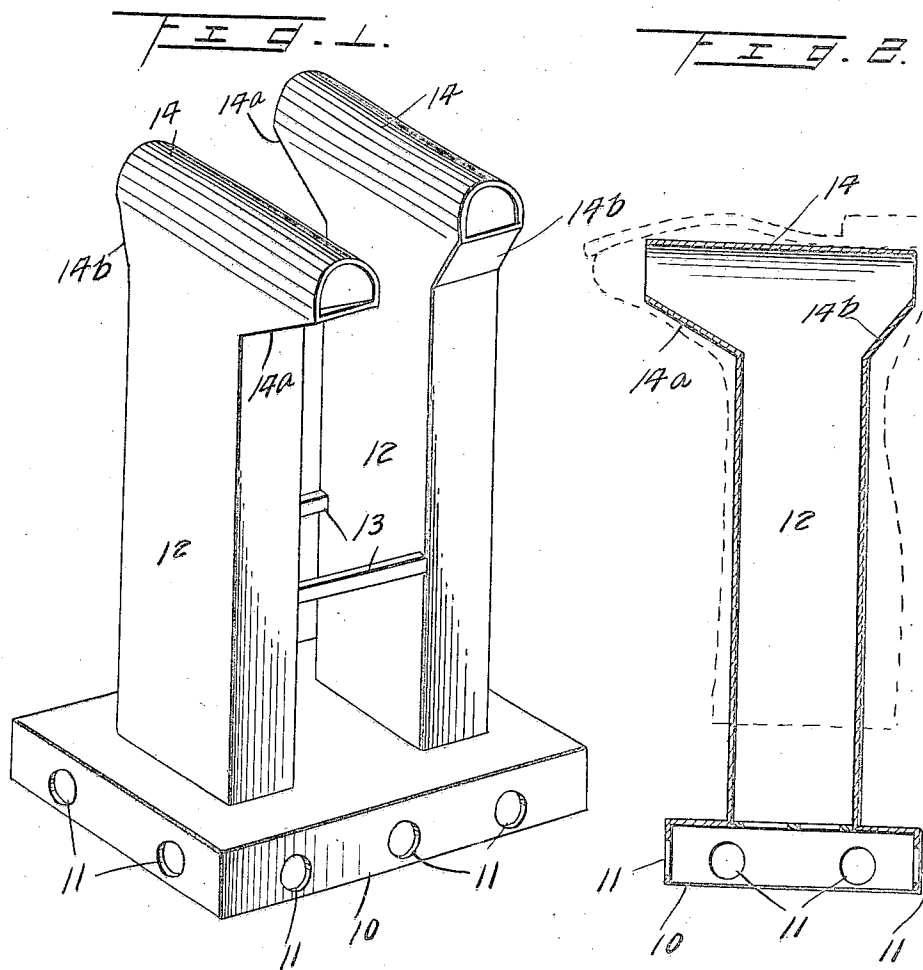


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J. J. O'NEILL,
BOOT AND SHOE DRIER.
FILED JAN. 19, 1922.

1,444,264.



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UNITED STATES PATENT OFFICE.

JOHN J. O'NEILL, OF LONDONDERRY, VERMONT.

BOOT AND SHOE DRIER.

Application filed January 19, 1922. Serial No. 530,424.

To all whom it may concern:

Be it known that I, JOHN J. O'NEILL, a citizen of the United States, residing at Londonderry, in the county of Windham and State of Vermont, have invented certain new and useful Improvements in Boot and Shoe Driers; 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.

The object of the invention is to provide a simple and comparatively inexpensive device for use in facilitating the uniform and particularly the inside drying of boots and shoes and more especially rubber boots which, when they become wet inside are difficult to dry by reason of the lack of circulation under ordinary conditions and the fact that heat does not readily penetrate through the walls of the boot from the exterior; and with these objects in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the drawings wherein:

Figure 1 is a perspective view of a drier or heater embodying the invention.

Figure 2 is a sectional view of one of the upright members or elements of the apparatus showing in dotted lines a boot arranged in operative position thereon.

The device consists essentially of a hollow base 10 having lateral air inlet openings 11 and an open bottom, preferably flat so as to be adapted to rest upon the top of a heating stove, radiator or other heat generating device or unit, and upright hollow shafts 12 rising from the base and communicating at their lower ends with the interior thereof, said shafts being suitably braced transversely as shown at 13 to afford the necessary rigidity to the structure.

At the upper ends of the shafts are provided hollow heads 14 communicating with the shaft and preferably open at opposite ends as shown, said heads being of transversely arched form and substantially foot or shoe form in general contour with relatively longer and shorter arms 14^a and 14^b projecting in opposite directions from the shaft, said heads carried respectively by the two shafts being arranged substantially in

parallelism and with the longer arms projecting in opposite directions so that when the members of a pair of boots are supported thereon the structure is substantially balanced.

The arrangement indicated provides for an upward column of heated air through the shaft, induction occurring through the openings in the base and the openings in the heads affording outlets, so that the heated air is applied directly to the linings or interior surfaces of the foot portions of the boots or shoes supported thereon, to the end that a thorough ventilation and drying of the articles is secured without subjecting the same to an intensity of heat tending to cause deterioration of the leather or rubber of which the boots or shoes may be constructed.

What is claimed is:—

1. A drier for the purpose indicated having an upright hollow shaft for travel of heated air therethrough, a hollow supporting head on said shaft and in communication with the interior thereof and constituting a heat outlet, and said head extending unequal distances on opposite sides of the shaft.

2. A drier for the purpose indicated having a hollow base provided with air inlet openings, vertical shafts rising from and communicating with the interior of the base and terminal heads in communication with the upper ends of the shafts, said heads being transversely arched and provided with terminal outlets.

3. A drier for the purpose indicated having a hollow base provided with air inlet openings, vertical shafts rising from and communicating with the interior of the base and terminal heads in communication with the upper ends of the shafts, said heads being transversely arched and provided with terminal outlets, the extremities of each head projecting unequal distances from the vertical plane of the shafts.

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

JOHN J. O'NEILL.

Witnesses:

FRANK L. BROWN,
EMERY A. McCURDY.