

No. 885,609.

PATENTED APR. 21, 1908.

M. LE R. GOUGH.

SHOE TREE.

APPLICATION FILED DEC. 28, 1904.

Fig. 1.

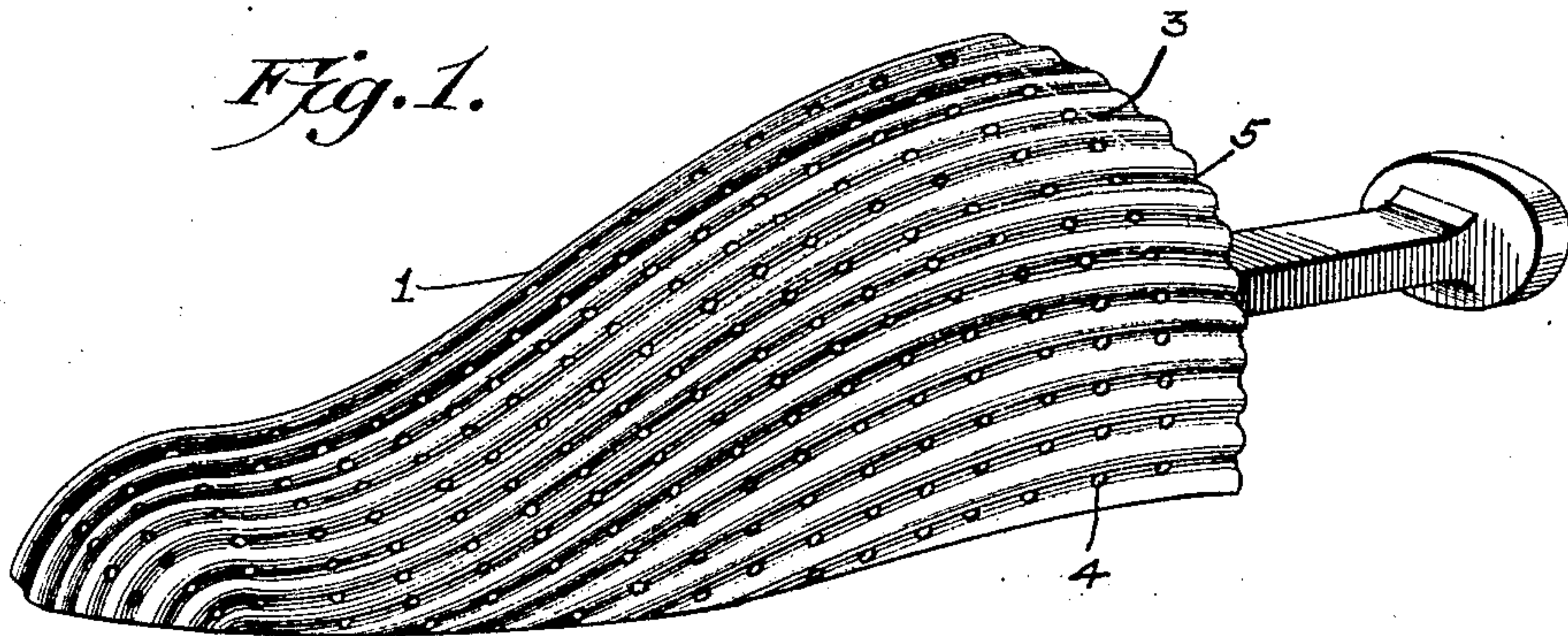


Fig. 2.

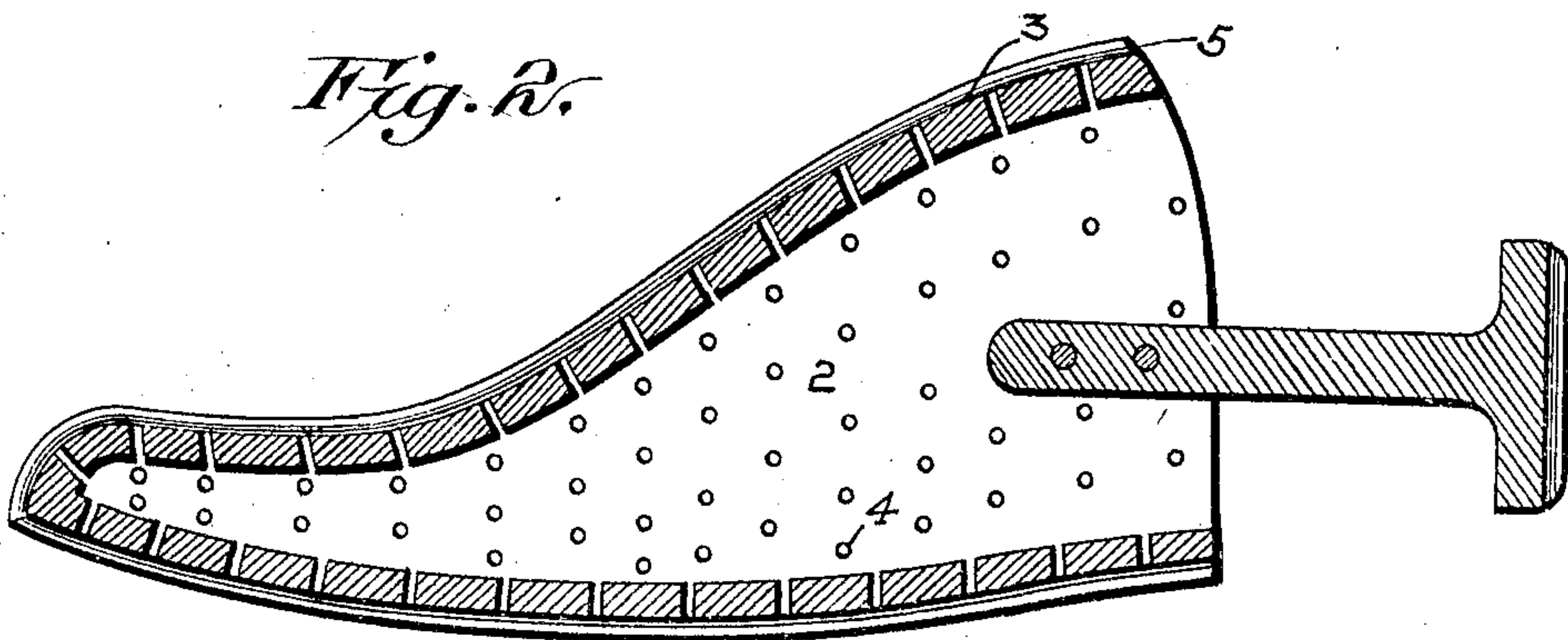
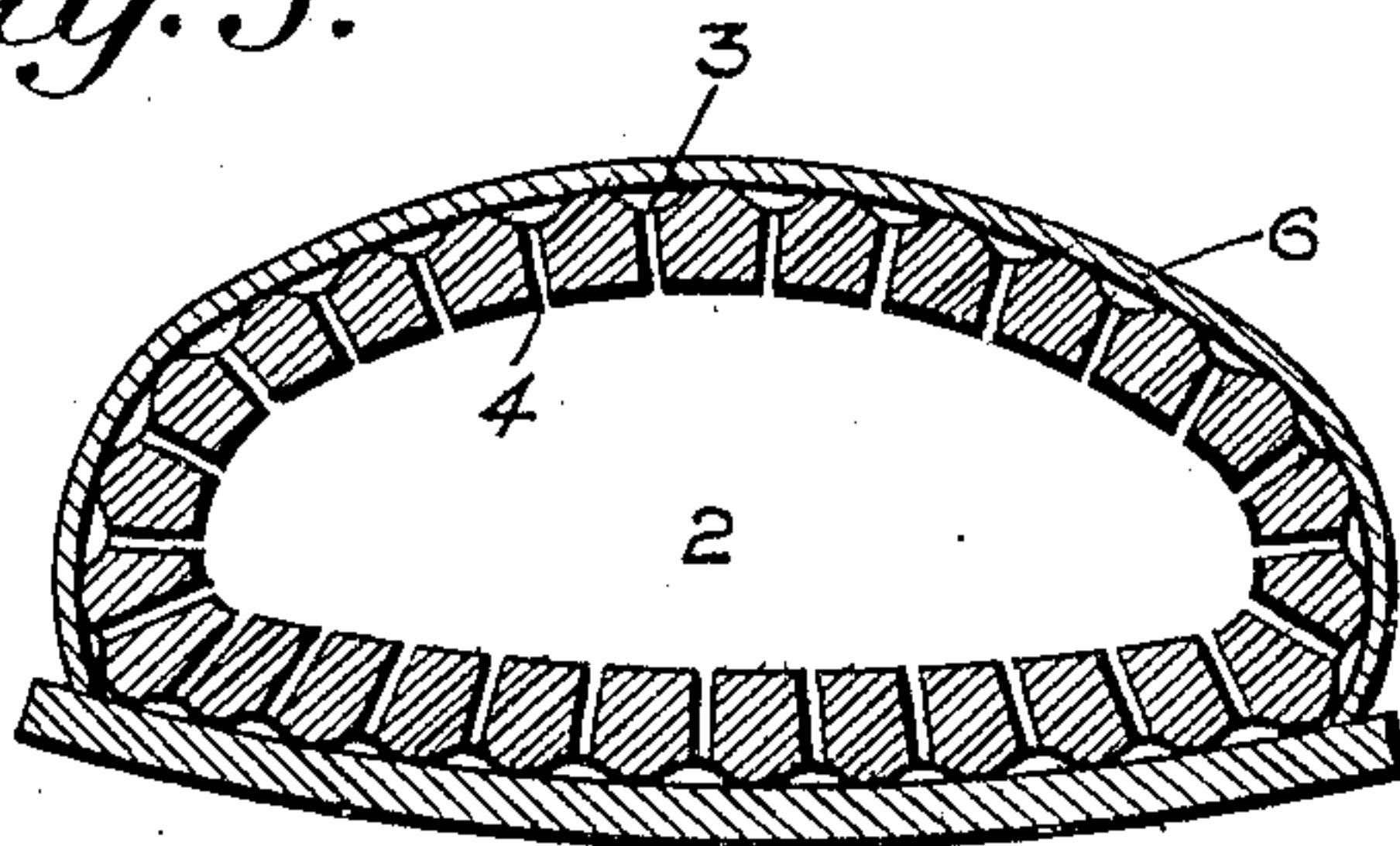


Fig. 3.



Witnesses

M. E. Byram
Ernest H. Riley

M. Le Roy Gough Inventor

UNITED STATES PATENT OFFICE.

MILTON LE ROY GOUGH, OF WASHINGTON, DISTRICT OF COLUMBIA.

SHOE-TREE.

No. 885,609.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed December 28, 1904. Serial No. 238,597.

To all whom it may concern:

Be it known that I, MILTON LE ROY GOUGH, citizen of the United States, residing at Washington, District of Columbia, have invented 5 new and useful Improvements in Shoe-Trees, of which the following is a specification.

This invention has relation to shoe trees and it consists of the novel construction and arrangement of its parts as hereinafter shown 10 and described.

The object of the invention is to provide a shoe tree adapted to perform all the functions of a shoe tree of the ordinary type, and at the same time to provide a system of ventilation 15 for drying the lining and inner portions of a shoe. After a shoe has been subjected to wear for some time, the uppers and soles can readily be repaired when necessary, but when the lining of the shoe wears out the usefulness is practically ended as the worn portions of the lining cannot readily be repaired 20 and when in a worn or rough condition the stocking or sock of the wearer is quickly destroyed.

It is a well known fact that after a shoe has been worn for a while the lining and inner portions thereof retain a certain amount of moisture and heat, absorbed from the foot of the wearer. By inserting a shoe tree of the 25 ordinary type the interior of the shoe is substantially filled, preventing the access of air to the moist portion and when allowed to remain in such condition the lining soon rots out, generally necessitating the purchase of 30 new foot wear. By using applicant's construction a tree may be inserted into the shoe which will perform all the functions of a tree of the ordinary type, and at the same time provide for a circulation of air through, and 40 around the exterior of the tree, for the purpose of drying the lining and interior of the shoe.

In the accompanying drawing: Figure 1 is a perspective view of the shoe tree. Fig. 2 45 is a longitudinal sectional view thereof, and Fig. 3 is a transverse sectional view showing the tree in applied position.

The last 1 is provided with the hollow portion 2 and the exterior thereof is provided 50 with the corrugations 3. The perforations

4 connect the hollow portion 2 with the bed of the corrugations 3.

The operation of the device is as follows: When the tree is inserted in a shoe the air enters the corrugations 3 at the mouth thereof 5, 55 passes along the same into the hollow portion 2 by means of the perforations 4. The air in the hollow portion 2 may enter the corrugations 3 by means of the perforations 4 and be discharged from the mouth of the corrugations 5. Thus it will be seen that this 60 construction provides for a continuous circulation of air when the tree is applied. By referring to Fig. 3 of the drawing it will be observed that the tree comes in contact with 65 the interior of the shoe 6 only at the crest of the corrugations 3 thus affording a ventilating means which brings the air into contact with substantially the entire interior portion 70 of the shoe.

In addition to the ventilating feature, my construction, combining the hollow last with the corrugations and perforations, materially reduces the weight of the shoe tree which is 75 always a serious objection to the form of tree now commonly in use.

Having described my invention what I claim as new and desire to secure by Letters-Patent is:

1. A shoe tree comprising a hollow last provided with a means for allowing a continuous circulation of air through the interior, and around the exterior thereof, when the tree is in its applied position. 80

2. A shoe tree comprising a hollow last provided with a corrugated exterior and a means whereby air may be conducted from the hollow interior of the last to the exterior of the corrugations. 85

3. A shoe tree comprising a hollow last provided with a corrugated exterior and perforations leading from the said exterior corrugations into the hollow interior of the lasts. 90

In testimony whereof I affix my signature, in presence of two subscribing witnesses. 95

M. LE ROY GOUGH.

Witnesses:

H. C. JOHNSON,
T. MASON MANGHUN.