

No. 757,424.

PATENTED APR. 12, 1904.

L. VOHL.
SHOE.

APPLICATION FILED MAR. 10, 1902.

NO MODEL.

Fig. 1.

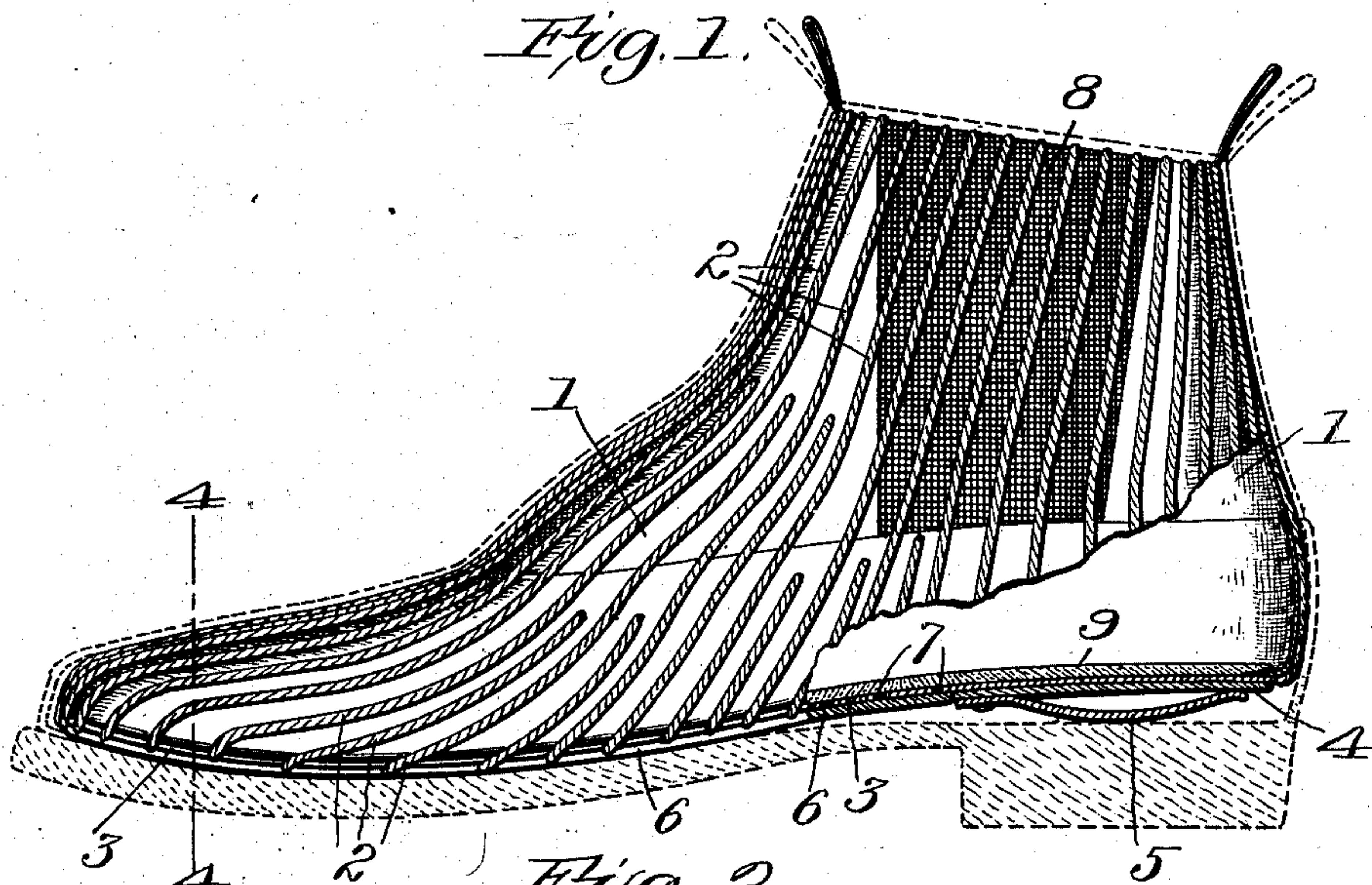


Fig. 2.

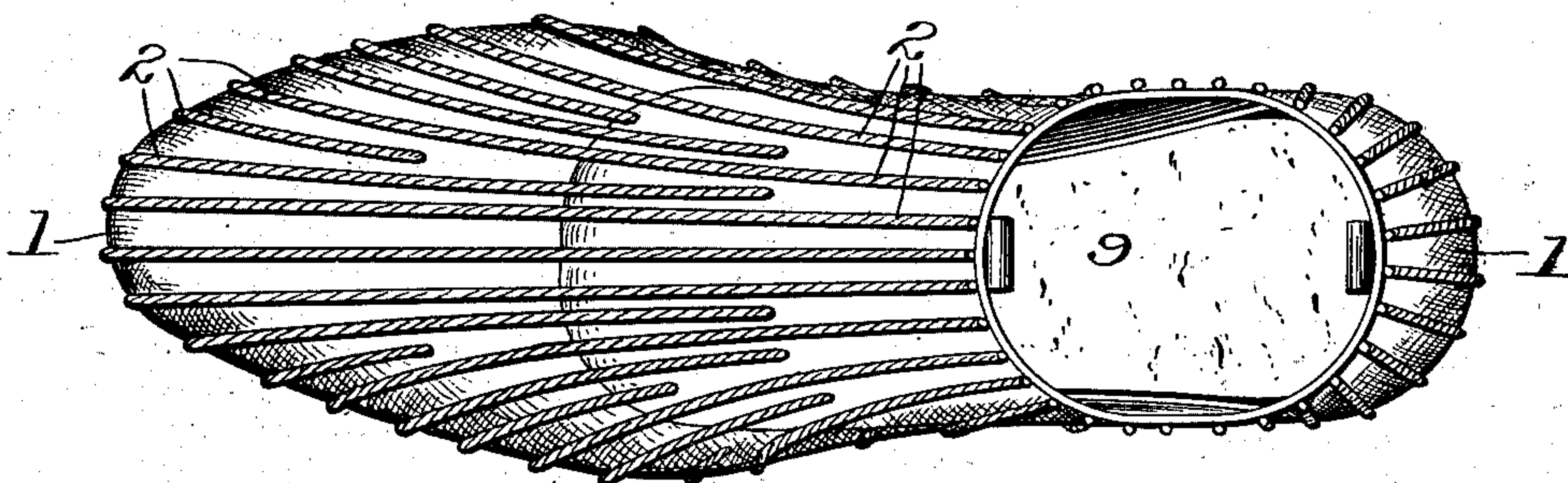


Fig. 3.

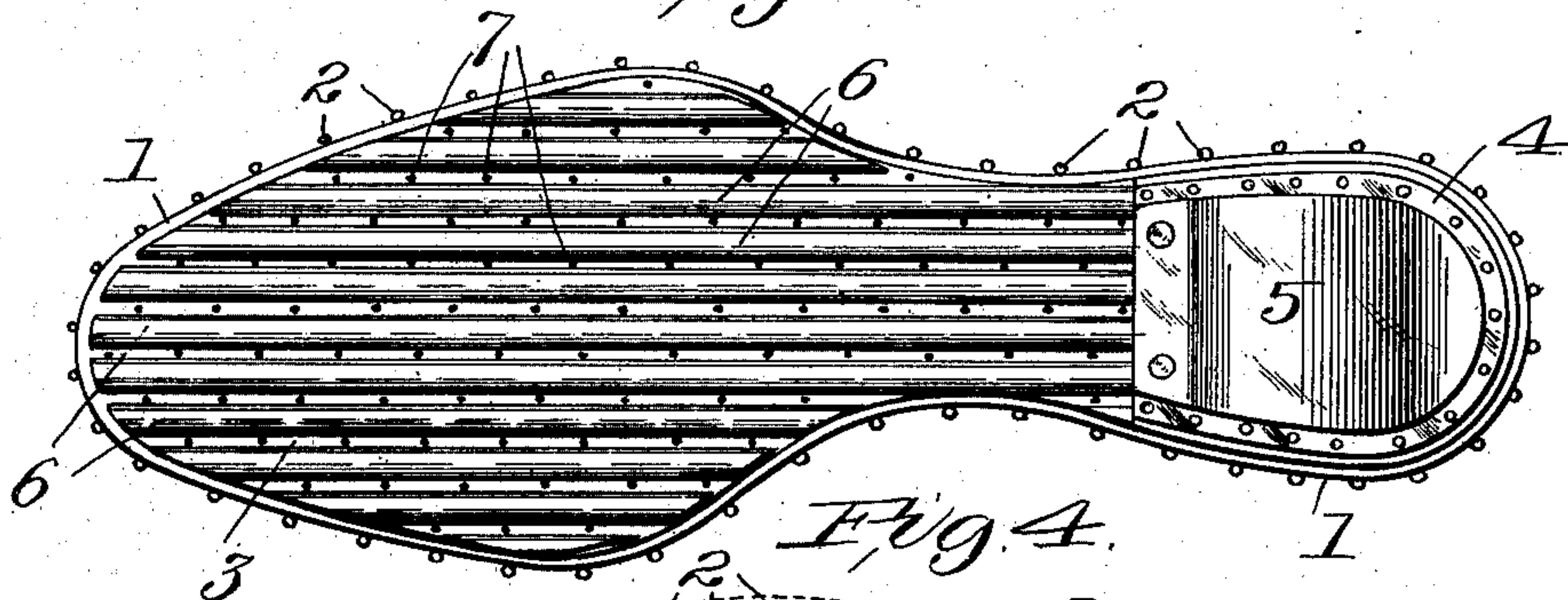
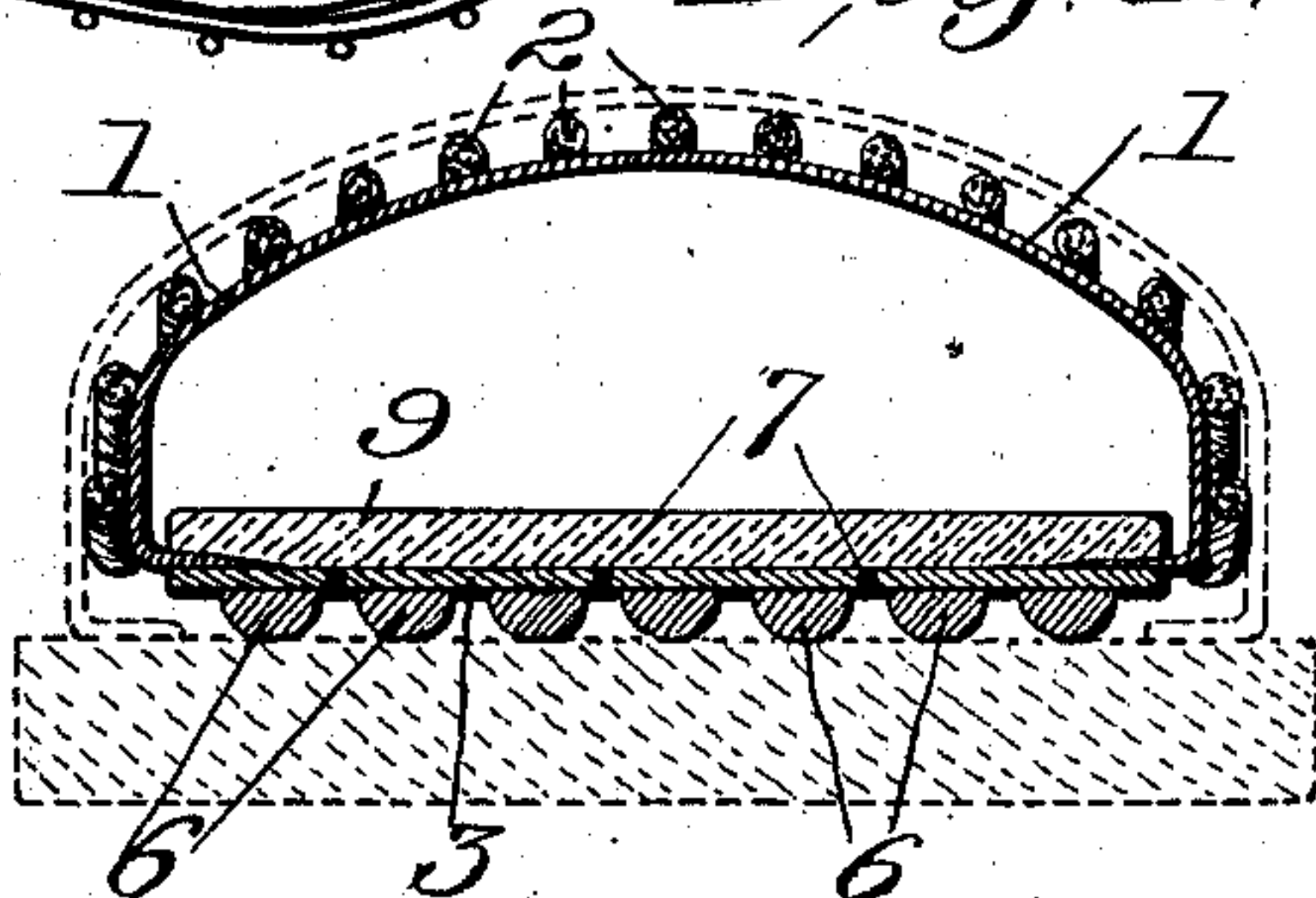


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

LOUIS VOHL, OF ST. LOUIS, MISSOURI.

SHOE.

SPECIFICATION forming part of Letters Patent No. 757,424, dated April 12, 1904.

Application filed March 10, 1902. Serial No. 97,396. (No model.)

To all whom it may concern:

Be it known that I, LOUIS VOHL, a citizen of the United States, and a resident of the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Shoes, of which the following is a specification.

My invention relates to shoes, and has for its principal objects to provide means for keeping the foot warm and dry, also to provide means for ventilating the foot when wearing a shoe.

It consists in a shoe provided with a lining of open texture having spacing ribs or cords arranged to form air-channels. It also consists in the arrangement and combination of parts hereinafter described and claimed.

In the accompanying drawings, which form part of this specification and wherein like symbols refer to like parts wherever they occur, Figure 1 is a side view of the lining of my device, the shoe proper being shown in dotted lines. Fig. 2 is a plan view of said lining. Fig. 3 is a bottom view thereof, and Fig. 4 is an enlarged cross-sectional view on the line 4 4 of Fig. 1.

The lining 1 is preferably made of a textile fabric which will permit a circulation of air therethrough. This lining conforms to the shape of the foot and to the shoe and has cords or ribs 2 secured or otherwise fastened on its outer surface. The sole 3 of said lining is preferably stiff and has a metal plate 4 secured thereto on its under side. Secured to said metal plate 4 is a resilient piece of metal 5, which forms a spring on said heel. Ribs or corrugations 6 extend longitudinally on said sole 3 from the metal plate 4 to the toe. These ribs are preferably made of some light and flexible material which is impervious to moisture—such, for instance, as cane which has been previously soaked in boiled linseed-oil. Between said ribs 6 it is preferable to have perforations 7 in the sole to permit the passage of air therethrough.

The cords or ribs 2 extend from the sole 3

toward the top of said lining and form channels for air to flow in and out at the top of the shoe. These cords or ribs are of such size and spaced a sufficient distance apart to practically keep said lining from coming in contact with the shoe proper when the shoe is upon the foot.

It is preferable to have the lining separate and distinct from the shoe; but it may be secured or otherwise fastened to the shoe. In order to avoid lacing or otherwise securing the lining to the foot, it is preferable to have an elastic gore 8 in the quarter thereof, and, if desired, a cork or other insole 9 may also be used as an additional protection to the foot. As said insole 9 is used as an additional protection to the foot in extreme cold and damp weather, it is preferable that the same be imperforate, in which case the foot is ventilated about its sides and top.

Obviously divers changes may be made in the construction of my device, and I do not wish to restrict myself to the construction hereinbefore set forth, as, for instance, the spring in the heel of the lining may be omitted entirely and likewise the perforations in the sole thereof.

What I claim is—

1. A ventilating-lining for shoes comprising a sole having separated ribs on its under side, a lining proper secured to said sole and extending upwardly, and upwardly-extending separated ribs on the outer side of said lining, the spaces between the ribs on the sole communicating with some of the spaces between the ribs on the lining proper.

2. A ventilating-lining for shoes comprising a sole having longitudinally-extending ribs on its under side and a spring secured to the under side of the heel portion thereof, a lining proper secured to said sole and extending upwardly, and upwardly-extending separated ribs upon the outer side of said lining, the spaces between the ribs on the sole communicating with some of the spaces between the ribs on the lining.

3. A ventilating-lining for shoes comprising a sole having separated ribs on its under side and perforations communicating with the spaces between said ribs, a lining proper secured to said sole and extending upwardly, and upwardly-extending separated ribs on the outer side of said lining, the spaces between

the ribs on the sole communicating with some of the spaces between the ribs on the lining proper.

LOUIS VOHL.

In presence of—
WM. P. CARR,
ZOLA TUCKER.