

No. 694,872.

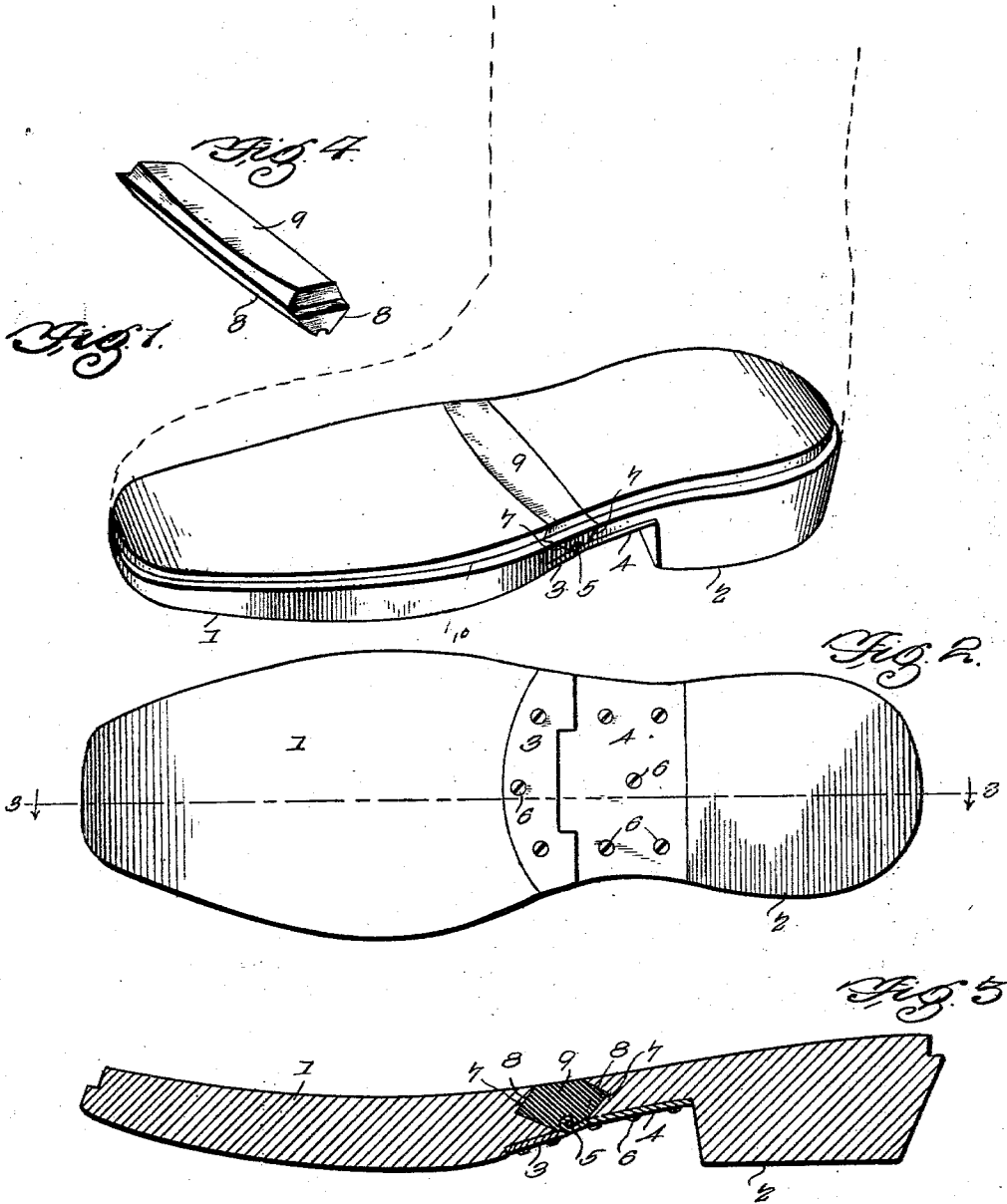
Patented Mar. 4, 1902.

B. E. LOCKETT.

SHOE OR BOOT.

(Application filed July 30, 1901.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN E. LOCKETT, OF JEFFERSON CITY, MISSOURI.

SHOE OR BOOT.

SPECIFICATION forming part of Letters Patent No. 694,872, dated March 4, 1902.

Application filed July 30, 1901. Serial No. 70,278. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN E. LOCKETT, a citizen of the United States, residing at Jefferson City, in the county of Cole and State of Missouri, have invented a new and useful Shoe or Boot, of which the following is a specification.

My invention relates to certain improvements in boots or shoes of that class in which wooden soles are used, and has for its object to provide the sole with a yielding joint which will permit the sole to move with the foot, giving a light springing effect conducive to easy walking and enabling the wearer to walk more lightly and without noise and discomfort.

In the accompanying drawings, Figure 1 is a perspective view of a wooden sole embodying my invention. Fig. 2 is a plan view of the bottom face of the same. Fig. 3 is a longitudinal sectional elevation of the device on the line 3 3, Fig. 2, and Fig. 4 is a perspective view of the rubber jointing-section detached.

In the drawings similar numerals of reference refer to corresponding parts throughout the various figures.

The sole is divided at the shank into two separate pieces 1 and 2, the portion 1 forming the sole and forward end of the shank and the portion 2 forming the heel and rear end of the shank. These two parts are united by a hinge having its two leaves 3 and 4 united by a pin 5, the two leaves extending practically over the whole of the under face of the shank and serving to brace and strengthen the same. The leaf 3 has a curved forward edge and fits into a corresponding-shaped recess in the shank, while the leaf 4 extends rearwardly to and is braced against the heel, as shown. Screws or pins 6 are employed to fasten the hinge members in position. The adjacent faces of the sections 1 and 2 are slightly curved, being separated a somewhat greater distance at the center than at their sides, and in each face is formed a V-shaped groove 7, into which fit the correspondingly-shaped sides 8 of a block 9, formed of rubber or other yielding material. The joint thus formed permits the two sections to move and yield to an extent sufficient to permit easy walking, the effect of the movement being to

slightly compress the rubber within the grooves, but rendering impossible the entrance of water or other fluid. The joint is in great measure protected by the hinge; but owing to the peculiar construction of the rubber block and its seating in the grooves a water-tight joint is made and all leakage is prevented.

The upper outer edge of the sole-sections, and the rubber block as well, is provided with a rabbet 10, in which the edge of the welt or upper-leather is seated, the leather being tacked down, as usual in shoes of this class.

I am aware that it has been proposed to manufacture jointed soles for shoes of this character; but in the cases with which I am familiar the joints have not been so arranged as to prevent the entrance of water to the shoe or else have been formed directly on the wearing-surface of the sole, this latter arrangement being highly objectionable, not only on account of the wearing away of the joint portions, but owing to the discomfort caused the wearer.

Having thus described the invention, what I claim, and desire to secure by Letters Patent, is—

1. A wooden sole made in two sections having at their adjacent faces, V-shaped grooves, a rubber block adapted to said grooves, and a hinge having one of its leaves secured to each section, said hinge extending over the rubber block and forming a protection for the same on the outer surface of the sole, substantially as described.

2. A wooden sole divided at the shank into two sections, each section having a V-shaped groove, a rubber block fitted in said grooves, a hinge uniting said sections and extending entirely over the shank, and covering and protecting said rubber block, there being a rabbet formed in the upper outer edge of said sections and said block, substantially as described.

3. A wooden sole made in two sections, the adjacent faces of each section being provided with V-shaped grooves, and each section having on its outer and upper face a rabbet for the reception of the upper, a rubber block shaped to conform to the V-shaped grooves and having at its opposite ends rabbets forming a continuation of the rabbets of the sole-

sections, and a hinge having its leaves connected to the under side of the shank and extending entirely over the same, said hinge being so disposed as to form a protective covering for said rubber block, substantially as specified.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in the presence of two witnesses.

BENJAMIN E. LOCKETT.

Witnesses:

ED. HAGAN,

J. B. EDWARDS.