Jan. 18, 1927. 1,614,933

E. J. RAMSEY

SHOE CONSTRUCTION

Filed July 30, 1921

Fig. 1.

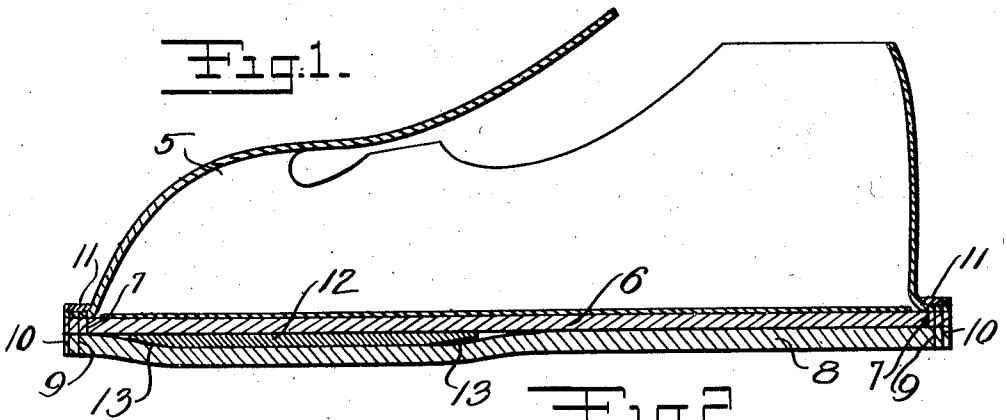


Fig. 2.

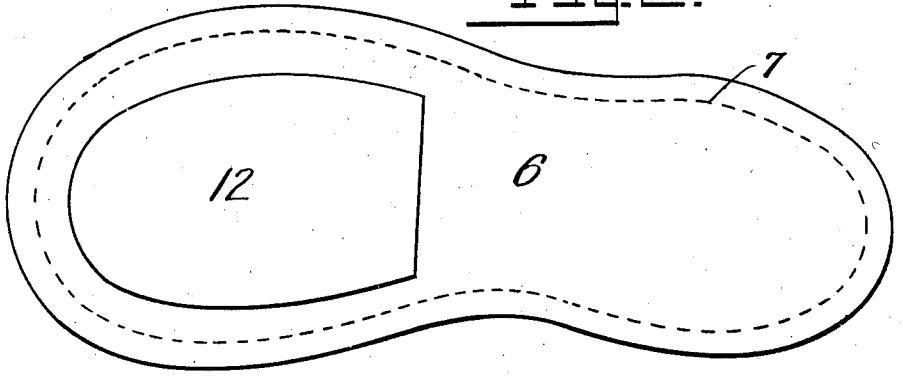
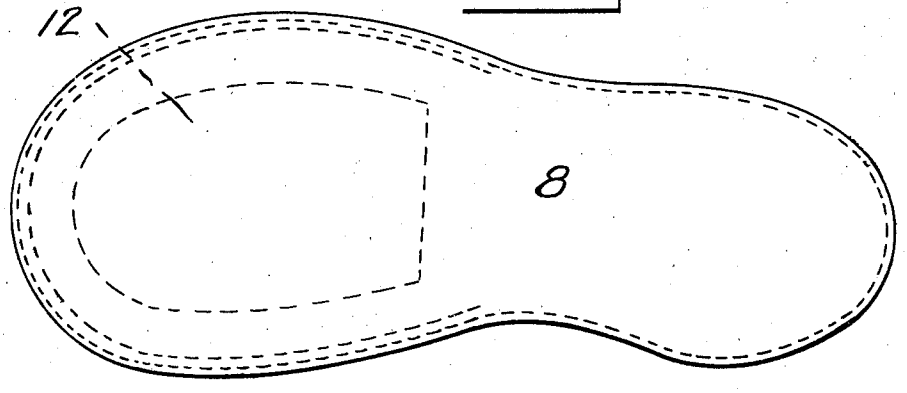


Fig. 3.



Inventor

Edward J. Ramsey

By his Attorney

Frank H. Hunt

Patented Jan. 18, 1927. 1,614,933

UNITED STATES PATENT OFFICE.

EDWARD J. RAMSEY, OF BROOKLYN, NEW YORK.

SHOE CONSTRUCTION.

Application filed July 30, 1921. Serial No. 488,723.

The objects of my present invention are to improve the sole construction, particularly in the matters of wearing quality and actual comfort to the user.

Briefly, the invention consists in the present disclosure of a pair of sole members stitched together about their edges and a pad or cushion of material having the characteristics of natural cork interposed between the sole members and within the line or lines of stitching connecting said members.

Other features of the invention will appear as the specification proceeds.

Figure 1 in the accompanying drawing is a longitudinal sectional view of a shoe embodying characteristic features of the invention.

Figure 2 is a bottom plan view of the partly completed shoe with the cork pad or cushion applied to the under surface of the inner sole.

Figure 3 is a bottom plan view of the completed shoe with the pad or cushion indicated in dotted lines as covered by the outsole.

In the construction illustrated, 5 designates the upper, 6 the inner sole secured to the lower edges of the upper by a row of stitching 7, and 8 the outer sole secured to the inner sole and to the upper by a row of stitching 9, all three parts being further secured together in the case shown by a row of stitching 10 passing through the welt 11.

12 designates the pad or cushion interposed between the inner and outer soles beneath the forward or ball supporting portion of the shoe, said pad being shown as having a flat upper face in engagement with the under surface of the inner sole and beveled edges 13 forming inclined shoulders over which the outer sole conforms.

It will be seen from Figure 1 that this thickening of the sole provides a bulging projection forming a contact and wearing pad beneath the ball of the foot. The insert 12 is usually constructed of resilient natural cork and it therefore operates in the arrangement shown to cushion the shock or jar on the ball of the foot and this cushioning of the impact, I find, very materially adds to the useful life of the sole. This cushion of live elastic cork aids in promoting a light springy step in the wearer. It will also be noted that the strength of the shoe is not weakened by passage of the stitching or other securing means through the cork insert.

What I claim is:

1. In a shoe construction, a flat faced outsole and a flat faced insole, a row of stitching securing said outsole and insole together and a flat faced resilient pad interposed between and resting against the flat upper face and the flat under face of the outsole and insole respectively, said pad being arranged within the space bounded by said row of stitching and free of such stitching and having the marginal edges of its undersurface bevelled to conform the outsole to an incline thereover.

2. In a shoe construction, an outsole and an insole, a row of stitching securing said members together and a resilient pad between said outsole and insole and within the space bounded by said row of stitching and free of such stitching, said pad having a flat upper face presented to the insole and having the lower face thereof beveled about the edges to conform the outsole to an incline thereover, whereby to outwardly bulge that portion of the outsole overlying said pad, said pad and the bulge produced thereby being located substantially at the ball supporting portion of the foot.

3. In a shoe construction, the combination with an insole and an outsole, of a pad of cork-like material interposed between said insole and outsole of less area than the same and confined substantially to that portion of the sole which supports the ball of the foot.

4. In a shoe construction, the combination with an insole and an outsole, of a pad of cork-like material interposed between said insole and outsole of less area than the same and confined substantially to that portion of the sole which supports the ball of the foot, said outsole being bulged outwardly in the form of a spring contact pad located beneath the ball of the foot.

In testimony whereof I affix my signature.

EDWARD J. RAMSEY.