W. S. PHELPS.
ARCH SUPPORT.
APPLICATION FILED MAY 16, 1917.

1,272,994. Patented July 16, 1918.

Fig. 1.

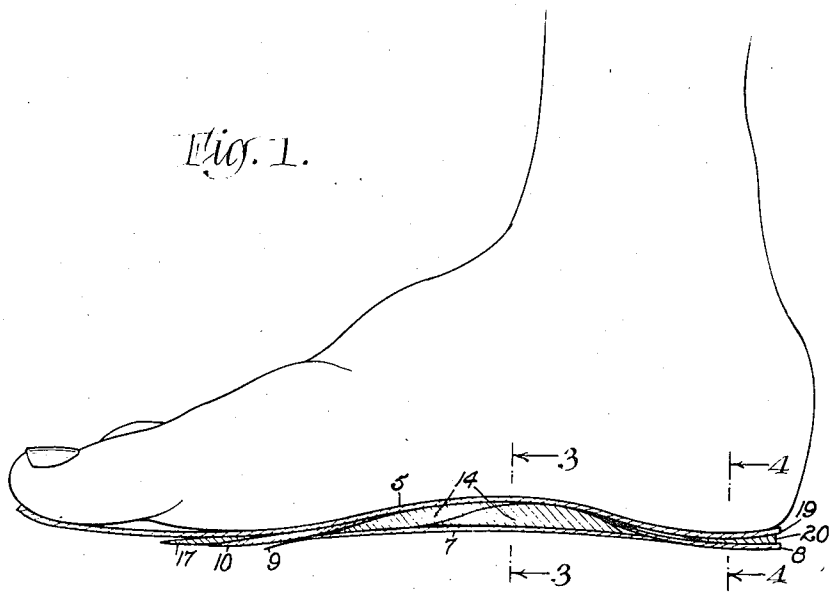


Fig. 2.

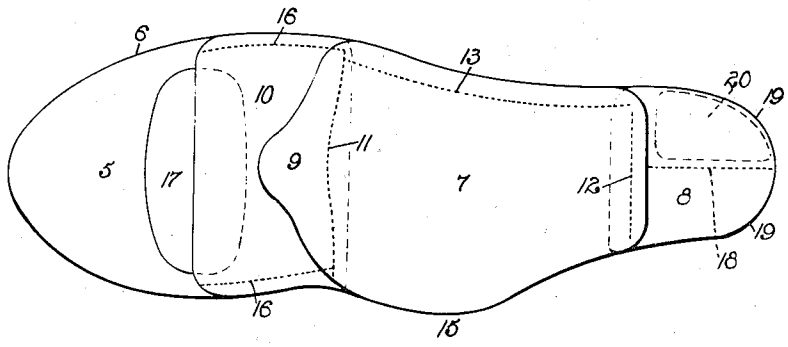
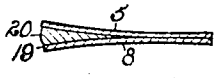


Fig. 3.



Fig. 4.



WITNESSES

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ARCH-SUPPORT.

1,272,994. Specification of Letters Patent. Patented July 16, 1918.

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To all whom it may concern:

Be it known that I, WILLIAM S. PHELPS, a citizen of the United States, and a resident of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Arch-Support, of which the following is a full, clear, and exact description.

My invention has for its object to provide an arch support for insertion in a shoe, the support having horizontally extending pockets with openings through which pads may be inserted to correct the position of the foot, and thereby relieve the foot from abnormal strains and assist in remedying ailments.

The support is preferably provided with a pocket under the instep; a pocket at the front of the instep in which a pad may be inserted to relieve pressure on the ball of the foot, and two pockets one at each side of the heel in which pads may be inserted to raise either side of the heel as desired. Pads are inserted in the pocket under the instep to support the arch.

Additional objects of the invention will appear in the following specification in which the preferred form of the invention is disclosed.

In the drawings similar reference characters denote similar parts in all the views, in which—

Figure 1 is a longitudinal sectional view of my arch support showing its position relatively to a foot;

Fig. 2 is an inverted plan view of the arch support;

Fig. 3 is a sectional view on the line 3—3 of Fig. 1; and

Fig. 4 is a sectional view on the line 4—4 of Fig. 1.

By referring to the drawings, it will be seen that there is a body member 5 which extends under the foot at the heel and the instep, the body member 5 extending if desired forwardly to the toes of the foot. The edges 6 of the body member 5 are shaved so that the sides of the body member 5 will curve upwardly to fit the foot. Disposed against the body member 5 there is a member 7, the rear of this member 7 resting on the forward edge of a member, 8 and the forward portion of the member 7 together with its tongue 9 resting on a member 10. The member 7 is sewed to the body member 5 transversely at 11 and 12, the transverse stitches 11 passing through the rear of the member 10, and the transverse stitches 12 passing through the forward portion of the member 8. The outer side of the member 7 is also secured to the body member 5 by stitches 13 so that a pocket is formed by the member 7 and the body member 5, in which pads 14 may be disposed as desired to raise the body member 5 at the instep, it being possible to slip these pads 14 into the pocket through the inner side 15 of the arch support. The sides of the member 7 are shaved in the same manner as are the sides of the body member 5, so that the sides of the member 7 may curve with the sides of the body member 5 when the body member 5 fits the foot.

The sides of the member 10 are secured to the body member 5 by stitches 16, it being possible to slip the pad 17 into a pocket formed by the member 10 and the body member 5, to relieve certain parts of the foot from abnormal pressure. The member 8 is secured by stitching to the body member 5 along a longitudinal center line 18 extending rearwardly from the transverse stitches 12. The transverse stitches 12 and the stitching at 18 form two pockets 19 one at each side of the heel of the body member 5, so that a pad 20 may be disposed in either one of these pockets 19 to raise either side of the heel as may be found desirable.

The tongue 9 is provided to fill in the hollow of the foot, thereby assisting in the support of the foot.

It will be understood that the pads 14, 17 and 20 may be manufactured of any desired shape, and any desired number may be used. The position of the pads in the pockets may be changed either longitudinally or transversely as the case may require.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:

In an arch support, a body member for disposal under the ball and the arch of the foot, a member disposed against the body member at the ball of the foot, and a third member disposed against the body member at the arch of the foot and overlapping the rear of the second member, the third member having a forwardly extending tongue to

form with the second member a pocket, there being a transverse row of stitches disposed between the body of the third member and its tongue for securing the rear of the second member and the front of the body of the third member to the first member, there being a second transverse row of stitches for securing the rear of the third member to the first member, and there being rows of stitches at the sides of the first member for securing the sides of the second member and one side of the third member to the first member.

WILLIAM S. PHELPS.