

Patented Oct. 26, 1909.

937,830.

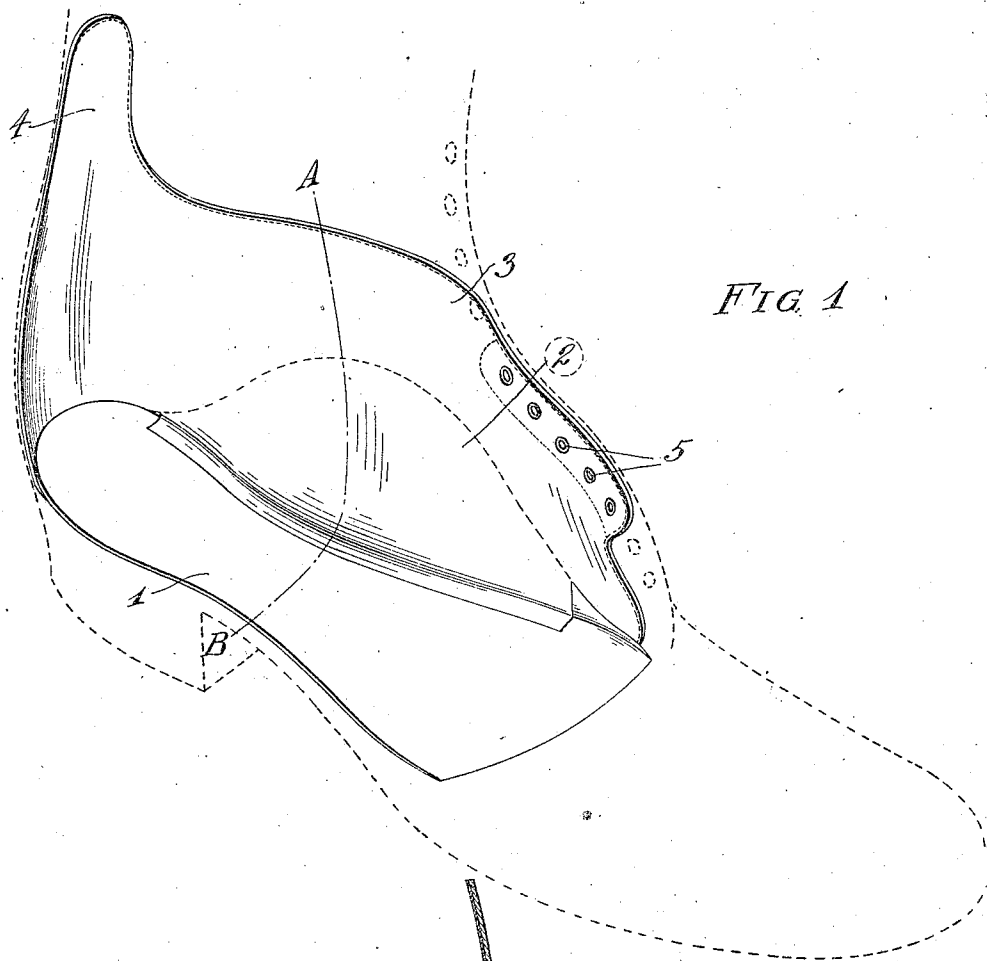


FIG. 1

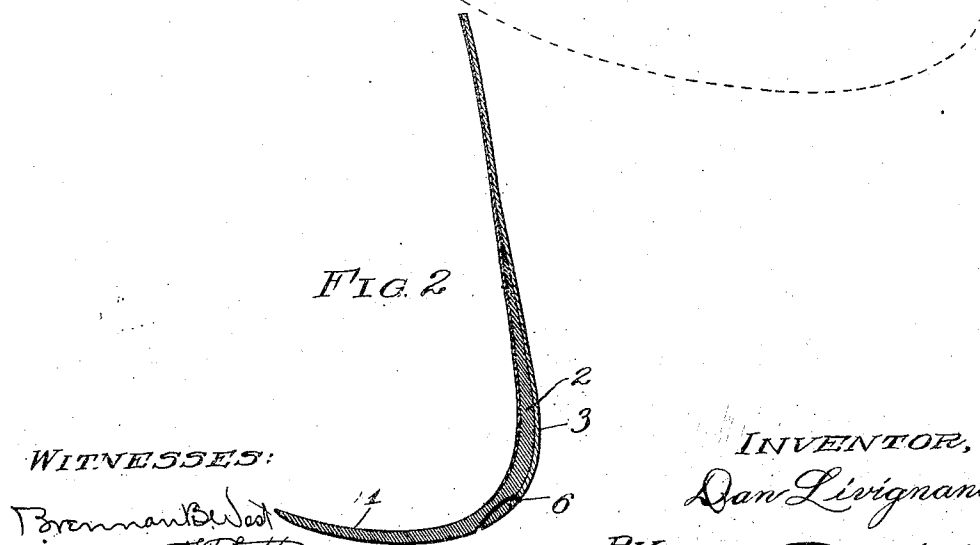


FIG. 2

WITNESSES:

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ARCH-SUPPORT.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, DAN LIVIGNANO, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Arch-Supports, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

My invention relates to arch supports and has for its object to provide a support for the arch of the foot formed of a flexible material so that it may closely conform to the arch, and so made that it may be easily placed in any shoe of the proper size and will not become misplaced therein, and also may be made adjustable with relation to the shoe in which it is placed to properly support the foot.

My invention may be best summarized as consisting of the combinations of parts co-operating to the above end, as hereinafter explained.

Reference should be had to the accompanying drawings which form a part of the specification, in which—

Figure 1 is a perspective view of my arch support and its position in the shoe indicated, the shoe being shown in dotted lines; Fig. 2 is a section on the line A—B of Fig. 1.

In the drawings, 1 designates the sole, and 2 designates the member which is adapted to support the arch. Preferably, this member is formed integral with the sole member; it is so shaped as to conform to the shape of the arch of the foot. The general outline of this member 2 will be seen in Fig. 1.

The upper indicated at 3 is fastened to the sole as by sewing, indicated at 6 in Fig. 2, and extends along one side and around the heel. The interior of the upper end and the member 2 are covered by a suitable lining, which is secured to the member 2 by cementing the two together. The upper has a projecting portion 4 adapted for use in placing or removing the arch support from the shoe. Near the forward end of the member 3 are eyelets 5 which are adapted to be engaged by the lacings of the shoe to hold the arch support in place in the shoe, and furthermore, to form a means whereby the arch support may be adjusted with relation to the shoe to properly support the foot.

The material of which my arch support is constructed may be of any flexible material,

preferably leather. There is a distinct advantage in forming the arch support from a flexible material, for the reason that as it supports the arch of the foot there will be a certain amount of give and more ready conformation to the arch of the foot itself, whereas in a material that has no flexibility, no such good result could be obtained.

By reason of the upper extending around the heel of the foot, the support cannot work forward or become misplaced. The projecting tab 4 allows the support to be easily withdrawn from the shoe, thus allowing it to be placed in any shoe of suitable size. This removability and adaptability to different shoes is a valuable feature of this invention.

Another feature of this invention resides in the adjustable feature of my arch support. As before set out in the specification, the eyelets are engaged by the lacings in the shoe, and as the lacings are drawn up tight, the arch support will be drawn to more closely engage and thus more firmly support the arch of the foot, whereas if the lacings are loosened, the opposite effect will result. This is quite an important feature as it is often desirable to more loosely support the arch of the foot as the patient is recovering from the effects of a fallen or broken arch.

Persons having flat feet will find the arch support a great relief, as it supports the foot at that part where the foot should be arched and thus gives the desired ease in walking. Having thus described my invention, I claim:

1. A removable arch support adapted to be inserted in a shoe and having a sole portion, a side portion secured continuously to the sole portion and extending onto the rear of the heel, and eyelets formed in the side portion adapted to be laced in conjunction with the eyelets of the shoe and lift the support against the arch side of the wearer's foot.

2. A removable arch support comprising a sole, a member mounted thereon formed to support the arch of the foot, an upper with an upwardly projecting tab, and eyelets in said upper for lacing in conjunction with the eyelets of the shoe.

3. The combination of a removable arch support composed of a sole, a member carried by the sole formed to support the arch of the foot, an upper attached to the sole and to the said member, eyelets in said

upper adapted to be laced in conjunction with the shoe eyelets, and an extension of said upper across the rear of the sole to stand behind the wearer's heel and prevent
5 misplacement of the upper.

4. The combination of a removable arch support composed of a sole, an inner lateral facing carried by the sole, both of stiff yet
10 flexible material, an upper attached to the sole and to the main member, eyelets in said upper adapted to be laced in conjunction

with the shoe eyelets, an extension of said upper across the rear of the sole to stand behind the wearer's heel and prevent misplacement of the upper, and an upwardly projecting tab as a part of such extension. 15

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

DAN LIVIGNANO.

Witnesses:

S. E. FOUTS,

JAMES H. HANDY.