

F. J. SESCILA.

ANKLE BRACE.

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938,440.

Patented Oct. 26, 1909.

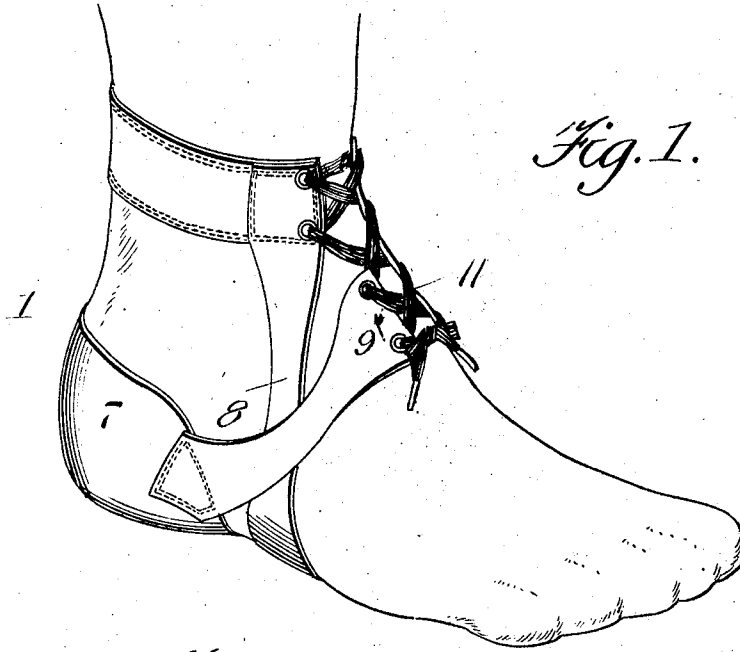
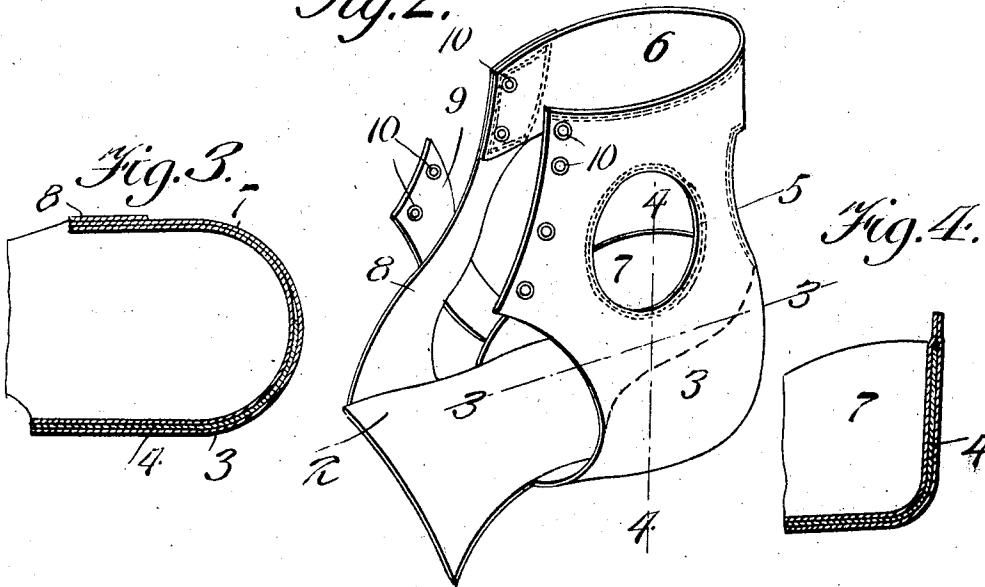


Fig. 2.



Witnesses

Frank J. Sescila
Victor J. Evans

Inventor

Frank J. Sescila

Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

FRANK J. SESCILA, OF LORAIN, OHIO.

ANKLE-BRACE.

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To all whom it may concern:

Be it known that I, FRANK J. SESCILA, a citizen of the United States, residing at Lorain, in the county of Lorain and State of Ohio, have invented new and useful Improvements in Ankle-Braces, of which the following is a specification.

This invention relates to braces adapted to be fitted upon the foot of the wearer, and the object of the invention is to provide a brace of this character comprising a casing having a heel support constructed of non-yieldable or nonflexible material and having a flexible extension above the ankle upon one side of the casing while the opposite side of the casing is provided with an auxiliary heel support constructed of flexible material, and being provided with subsidiary ankle strap adapted to be laced to the opposite side or opening of the casing so as to draw one side of the foot either out or in to correct the deformity of a person's legs.

With the above, and other objects in view, which will be more apparent as the description progresses, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawing there has been shown a simple and preferred form of the invention, it being understood, however, that no limitation is necessarily made to the precise structural details therein exhibited, but that further changes, alterations and modifications within the scope of the invention may be resorted to when desired.

In the drawing, Figure 1 is a perspective view showing the improved ankle brace in applied position. Fig. 2 is a perspective view of the device detached. Fig. 3 is a detail horizontal sectional view upon the line 3—3 of Fig. 2. Fig. 4 is a vertical transverse sectional view upon the line 4—4 of Fig. 2.

The improved brace comprises essentially a casing 1 which is adapted to be worn upon the rear portion of the foot and the heel of the patient. The casing 1 comprises a sole portion 2 to which is attached the casing proper. The casing is provided upon one of its sides, designated by the numeral 3, with an upstanding portion of a formation adapted to suit itself to the heel and ankle of the wearer. The side 3 is provided with a central orifice 4 having its edges provided with suitable stitching to prevent the tearing of the edges of the orifice, and the said orifice

is adapted for the reception of the ankle bone of the wearer. The front edge of the side 3 is provided with a plurality of eyelets 10, the purpose of which will be hereinafter described, while the rear of the side is centrally cut away to provide a reduced extending portion 6 and a bow shaped lower portion 7 which has its lower ends conforming to the contour of the heel portion of the sole member 2 and to which it is secured at the edge opposite to that of the side member 3.

The lower portion of the device below the orifice 4 is provided with a metallic reinforcement designated by the numeral 4', and clearly illustrated in Figs. 3 and 4 of the drawings. The extremity of the portion 6, which may be termed a strap extension is provided with a flexible stay member 8 which has its lower extremity connected with the outer extremity of the sole portion 2 at a suitable distance away from the lower edge of the side 7. The upper portion of the strap 6 as well as the flexible stay 8 is provided with suitable eyelets similar to the eyelets upon the opposite side of the brace. Secured to the forward portion of the side 7 is a subsidiary instep strap 9 which has its free extremity provided with eyelets 10. The eyelets provided upon the several members are adapted for the reception of a suitable lacing designated by the numeral 11.

The device when positioned upon the heel and ankle of the wearer is so arranged that one of the ankle bones protrudes through the opening 4, while the opposite ankle bone projects through the space provided between the strap 6 and the side member 7.

The ankle brace is adapted to be worn within the shoe, and from the above description, taken in connection with the accompanying drawings, it will be noted that the device may be effectively employed for bracing as well as having a tendency to straighten crooked legs. It will also be apparent that the device may be successfully employed by persons afflicted with either so called "bow-legs" or "knock-knees", the device being simply reversed upon the ankle to accommodate itself to either of the above named deformities.

Having thus fully described the invention what is claimed as new is:

In a device for the purpose set forth, a sole portion, a casing secured to the rear of the sole portion, said casing having one of its sides provided with a centrally arranged

orifice and this side below the said orifice being provided with a non-flexible reinforcement, the opposite side of the casing being centrally cut away to provide a lower member secured to the sole and an upper strap member, a flexible stay connecting the edge of the strap member and the extending portion of the sole, a subsidiary strap secured to the lower portion of the device and arranged at an angle to the stay, the edges of

the subsidiary strap member, strap extension and non-flexible side being provided with eyelets, and a lacing adapted to engage the eyelets.

In testimony whereof I affix my signature 15
in presence of two witnesses.

FRANK J. SESCILA.

Witnesses:

CHAS. A. METCALF,
FRANK A. SMITH.