

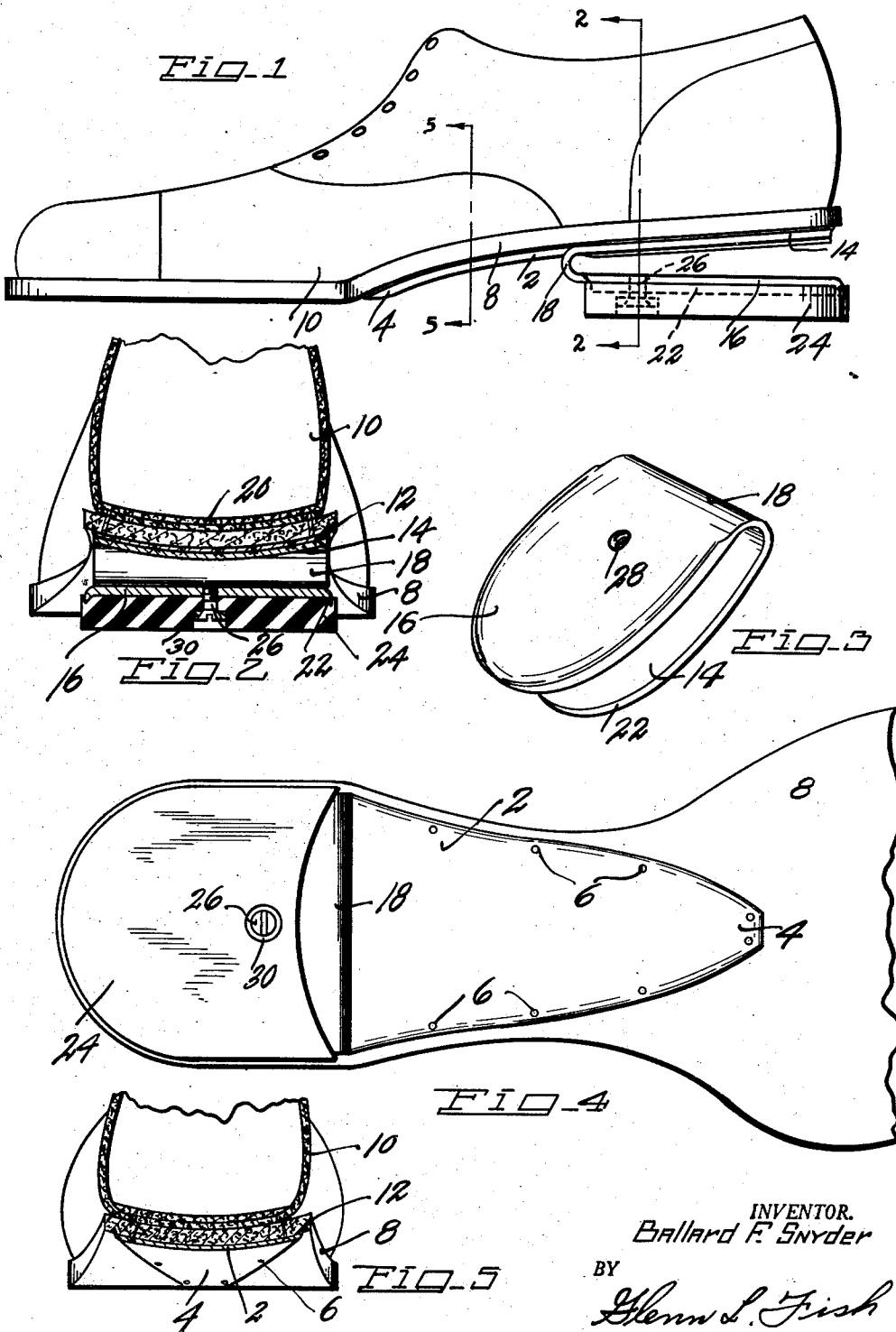
Aug. 24, 1948.

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2,447,603

SHOE

Filed Sept. 27, 1946



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2,447,603

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Application September 27, 1946, Serial No. 699,889

1 Claim. (Cl. 36—38)

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My present invention relates to an improved shoe and more particularly to the novel heel structure for the shoe comprising a spring device securing the cushion to the shoe so that the heel is held in resilient position on the shoe to ease the contact of the heel and the shoe, and to effect a spring to the rear of the shoe in walking as the foot rolls from heel to toe.

In the accompanying drawings I have illustrated one complete example of the physical embodiment of my invention according to the best mode I have thus far devised, but it will be understood that various changes and alterations may be made in the exemplified structure within the scope of the appended claim.

In the drawings:

Fig. 1 is a side elevational view of the shoe of my invention.

Fig. 2 is a vertical sectional view at line 2—2 of Fig. 1.

Fig. 3 is a perspective view of the spring.

Fig. 4 is a bottom plan of the shoe.

Fig. 5 is a vertical section at line 5—5 of Fig. 1.

Referring now to the drawings wherein like parts are indicated by like characters, I have illustrated the preferred embodiment of my invention as comprising a shank supporting plate 2 tapering forwardly at 4 and secured as at 6 to the sole 8 of shoe 10. The edge of the plate is upturned and sharpened at 12 to provide a rigid contact with the sole 8.

Secured under this plate I provide a spring plate having an upper section 14 and lower section 16 secured by curved section 18. The section 14 is concaved to conform to the curve of the heel portion 20 of the shoe and the upper section is suitably secured under the heel portion 20.

The lower section 16 is provided with an edge flange 22 sharpened and adapted to penetrate into the cushion 24 of rubber secured to the lower section as by screw 26 engageable in the threaded hole 28 of the lower section. A washer 30 on the

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screw prevents the screw from pulling through the rubber cushion.

The spring is of sufficient stiffness to maintain the cushion spaced from the shoe as seen in Fig. 1 when the wearer is standing. However in walking with the heel cushion touching the ground first, the spring gives and absorbs the shock of contact instead of transmitting the shock to the heel of the wearer.

The spring and shank support will maintain the foot in proper position to minimize fatigue and will result in ease of walking and elimination of shock.

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

The combination with a shoe, of a ground engaging cushion heel, securing means for the heel comprising a plate bent upon itself on a medial transverse line to form resiliently connected plate sections normally diverging from the bend and one section being rigid with the shoe and the other section rigid with the heel, and the plate positioned with the transverse bend adjacent the front of the heel, and raised sharpened edges on the heel section about the periphery and terminating in spaced relation to each other at the rearmost portion of the heel section.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,021,510	Enright	Mar. 26, 1912
1,218,392	Gay	Mar. 6, 1917
1,625,048	Nock	Apr. 19, 1927
1,760,676	Waidelich	May 27, 1930