

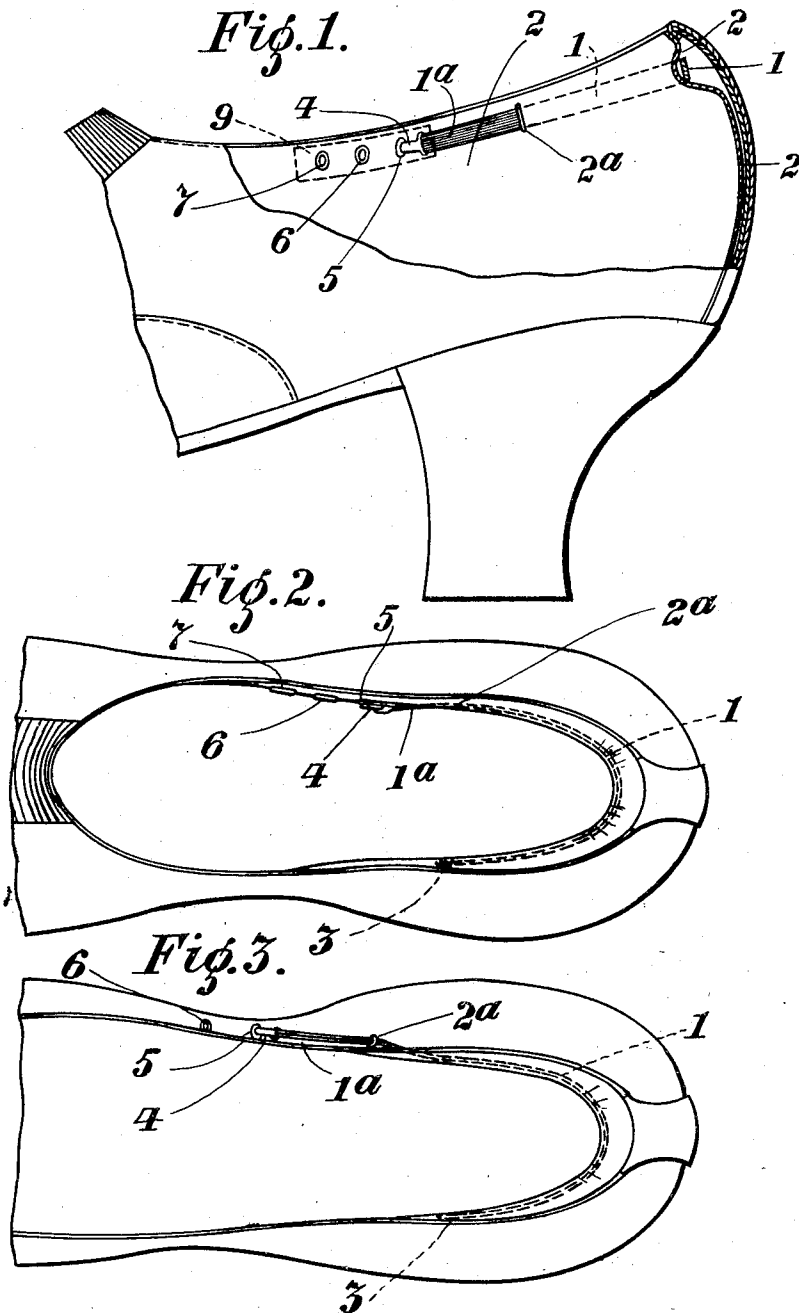
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T. DENNISON ET AL

SHOE

Filed July 5, 1923



Thomas Dennison & David Perushkin INVENTORS.

G. Marshall Mackubin  
Ames Morrison Watt.

per

*[Signature]*  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

THOMAS DENNISON AND DAVID KERNOHAN, OF BELFAST, IRELAND.

## SHOE.

Application filed July 5, 1923. Serial No. 649,601.

*To all whom it may concern:*

Be it known that we, THOMAS DENNISON, of Annville, Park Road, Belfast, and DAVID KERNOHAN, of 55 Ravenhill Road, Belfast, both subjects of the King of Great Britain and Ireland, have invented certain new and useful Improvements Relating to Shoes, of which the following is a specification.

This invention relates to elastic heel grips or friction pads for use in shoes to prevent the wearer's heel from slipping up and down when walking.

Pads and attachable heel grips with, and without elastic means have been fitted inside the heel parts of shoes for the purpose stated.

According to this invention we provide the combination with a shoe of a heel grip therefor comprising an elastic member located behind the inside of the lining of the shoe at the heel portion thereof but unattached to the back of the heel of the shoe, and means whereby an end of the said member can be detachably and adjustably connected to the side of the shoe to enable the member to be placed under different degrees of tension to suit the wearer's requirements. In the construction to be described one end of the elastic member is permanently secured to the shoe at one side of the heel portion, while the other end is brought through a slot in the lining and is provided with a hook which engages any one of several eyelets in the lining. Instead of being brought through a slot in the lining this adjustable end may be brought to the outside of the shoe, in which case the eyelets would be in the shoe itself instead of in the lining.

If desired both ends of the elastic member may be exposed and be capable of attachment to suitable fastening means either on the inside or on the outside of the shoe.

The invention will now be described with reference to the accompanying drawings whereon examples are given of a lady's shoe provided with the improved heel grip according to this invention.

Fig. 1 shows the heel portion of the shoe partly in section to show the construction.

Fig. 2 is a plan view of the heel portion of the shoe.

Fig. 3 is a plan view of the heel portion of another type of shoe showing the exposed end of the elastic member brought to the outer side of the shoe.

Referring to the drawings:—

The elastic member 1 is provided behind the lining 2 of the shoe being secured to the side of the shoe at one side, in the example shown, at the point 3, whilst the other end 1<sup>a</sup> of the elastic member is shown brought to the outside of the lining 2 through a slot 2<sup>a</sup> therein. A hook 4 on the exposed end of the elastic member 1 is capable of engaging in eyelets 5, 6 or 7 which give ready adjustment of the tension to suit the requirements of the wearer. The eyelets 5, 6 and 7 are fixed in the lining 2. In the example shown three eyelets are provided but, of course, it will be understood that less or more may be provided if desired. Instead of the exposed end 1<sup>a</sup> of the elastic being secured to eyelets on the inside of the shoe as shown the slot 2<sup>a</sup> may be made right through the side of the shoe bringing the end 1<sup>a</sup> of the elastic member 1 to the outer side of the shoe where it could be secured to eyelets such as 5, 6 and 7 provided at the outer side of the shoe or any other suitable securing means provided for the end of the elastic member. If desired both sides of the elastic member could be brought through slots in the lining or in the side of the shoe as described and adjustably or otherwise secured to fastening means at the inner side or outer side of the shoe.

The elastic member 1 can be tensioned by its exposed end 1<sup>a</sup> so as to cause the lining of the shoe to be bulged inwardly as shown at Fig. 1 so as to form an effective resilient cushion-like heel grip which is effective in preventing any up and down slipping of the heel of the wearer.

A stiffening strip 9 (see Fig. 1) of celluloid or other material may be inserted behind the lining, the eyelets being secured to both the lining and the stiffening strip.

The resilient heel grip for a shoe as hereinbefore described would preferably be provided in the shoe during manufacture and would thus avoid the present troublesome necessity of the wearer applying heel grip attachments.

Having now fully described our invention what we claim and desire to secure by Letters Patent is:—

1. The combination with a shoe of a heel-grip for a shoe comprising an elastic member located behind the inside lining of the shoe at the heel portion thereof and unattached to the back of the heel portion of the

shoe, and means whereby an end of the said member can be detachably and adjustably connected to the side of the shoe to enable the member to be placed under different degrees of tension.

2. The combination with a shoe of a heel grip device comprising an elastic member behind the inside lining of the shoe at the heel portion, one end of said member being permanently secured to the shoe and its other end being exposed through a slot, a fastener attached to the exposed end, and means on the shoe for engaging said fastener to hold said member under tension.

3. The combination with a shoe of a heel grip device comprising an elastic member

behind the inside lining of the shoe at the heel portion, one end of said member being permanently secured to the shoe and its other end being exposed through a slot, a fastener attached to the exposed end, and eyelets attached to the shoe for engaging said fastener to hold said member under a variable tension.

In testimony whereof we affix our signatures in presence of two witnesses.

THOMAS DENNISON.  
DAVID KERNOHAN.

Witnesses:

ANDREW HAMILTON,  
HARRY WALTER ALLSOP.