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(54) FOOTWEAR EASY TO PUT ON

ABSTRACT

The present invention relates to footwear easy to put on. More specifically, the present invention relates to footwear that can be easily put on by providing an elastic member at the heel portion. The footwear easy to put on of the present invention comprises an elastic member that is coupled and installed at the heel portion of the footwear, descends by the pressure of a foot pressing thereon, and ascends by its own elastic force when the pressing force is released to restore the heel portion to its original position, and comprises a stretchable portion that prevents the outer skin of the footwear from being stretched and damaged when the elastic member descends. Accordingly, the footwear that is easy to put on of the present invention enables easy putting on without the inconvenience of loosening or tightening shoelaces.

REPRESENTATIVE DRAWING

Fig. 1

INDEX TERMS

Footwear

SPECIFICATION

BRIEF DESCRIPTION OF DRAWINGS

FIG. 1 is a perspective view showing the configuration of the footwear of the present invention.

FIG. 2 is a side view showing a state of putting on the footwear of the present invention.

FIG. 3 is a side view showing a state where the footwear of the present invention is worn.

FIG. 4 is a side view showing another embodiment to which the present invention is applied.

<DESCRIPTION OF REFERENCE NUMERALS FOR MAIN PARTS IN THE DRAWINGS>

1 - Footwear 2 - Heel

3 - Elastic member 4 - Outer skin

5 - Stretchable portion 6 - Sandal

7 - Heel

DETAILED DESCRIPTION OF THE INVENTION

Object of the Invention

Technical Field to Which the Invention Belongs and Prior Art of the Field

The present invention relates to footwear easy to put on. More specifically, the present invention relates to footwear that can be easily put on by providing an elastic member at the heel portion, without the inconvenience of having to loosen and retie shoelaces each time the footwear is taken off and put on.

In general, in footwear using laces or other fasteners, shoelaces are threaded through shoelace holes and bound, and a knot is finally formed. When entering indoors after taking off the footwear, the laces must be loosened one by one before removal, and upon exiting indoors, the footwear must be put on again and the laces tightened again to form a knot. This resulted in the drawback of making putting on footwear very cumbersome. In addition, due to the inconvenience of loosening shoelaces and forming knots, the footwear is often forcibly removed, which not only causes damage to the footwear but also injures the feet, and there was the disadvantage of requiring auxiliary means such as a shoehorn. Furthermore, due to such inconvenience, laces are often tied loosely during normal use, but in this case, problems such as the footwear easily slipping off occur.

Moreover, in order to loosen and form the knot of the footwear, the person wearing the footwear must bend at the waist to loosen or form it, which was also a factor causing further inconvenience.

Meanwhile, in order to resolve such inconvenience, various measures have been proposed, such as in Korean Patent Publication No. 92-4859, but the inconvenience of not having to loosen shoelaces and having to bend at the waist to adjust the shoelace fastener has not been resolved.

Technical Problem to be Achieved by the Invention

Accordingly, the present inventor has confirmed that by coupling an elastic member to the heel portion of the footwear that descends by the pressing force of the foot and ascends by elastic force when the pressing force of the foot is eliminated to wrap around the Achilles tendon, which is the rear part of the foot, and by forming a stretchable portion that prevents the outer skin of the footwear from being stretched and damaged when the elastic member descends, the footwear can be put on conveniently and quickly without damage to the outer appearance of the footwear, thereby completing the present invention.

Consequently, the main object of the present invention is to provide footwear that enables convenience and quick putting on without requiring a person to bend at the waist to loosen shoelaces or adjust other fasteners.

Configuration and Operation of the Invention

Hereinafter, preferred embodiments of the present invention will be described in detail with reference to the accompanying drawings.

As shown in FIG. 1, the present invention is characterized by comprising: an elastic member (3) having both end portions bent and insert-coupled to the heel (2) portion of a general footwear (1), and erected and fixedly installed up to a portion wrapping around the Achilles tendon of the foot; and

a stretchable portion (5) provided at both sides of the center of the outer skin (4) of the footwear (1), which performs a stretching action and prevents damage to the outer skin (4) against the descending movement of the elastic member (3).

Describing the present invention in more detail, the elastic member (3) is formed to gently wrap around the concave boundary between the Achilles tendon and the rear heel of the foot, and both end portions are bent and insert-installed into the heel (2) of the footwear (1) so that the elastic member (3) can be erected and fixed at an inclination of about 40 to 60 degrees.

At this time, since both end portions of the elastic member (3) only need to allow the elastic member (3) to be erected and fixed at an inclination of about 40 to 60 degrees, they may be bent parallel to the footwear (1) or bent in a perpendicular direction and insert-fixed.

Furthermore, the bent portion of the elastic member (3) may be embedded in the shoe sole, and the elastic member (3) exposed to the outside is covered with synthetic resin, leather, or the like. In particular, the portion contacting the concave boundary between the Achilles tendon and the rear heel of the foot should be formed with a smooth surface and a wide contact area, taking into consideration ankle protection and stability when wearing.

Additionally, it is preferable to form the portion of the elastic member (3) contacting the Achilles tendon to protrude slightly outward, so that it can be easily pushed down when taking off the footwear (1).

When a user puts on the footwear (1) as described above, as shown in FIG. 2, first the foot presses the rear part of the footwear (1) while pushing the front part of the foot into the interior of the footwear (1).

At this time, the elastic member (3) descends to allow the foot to easily advance forward, and the stretchable portion (5) at both sides of the center of the outer skin (4) extends and compensates for the portion tilted backward by the elastic member (3), thereby preventing damage to the outer skin (4).

Then, when the foot completely advances forward, the rear heel of the foot that was pressing the elastic member (3) also advances forward, so the force pressing the elastic member (3) is eliminated, elastic force is exerted, and the elastic member (3) ascends.

Additionally, since the elastic member (3) ascends and wraps around the Achilles tendon, it supports the rear heel and ankle to form a stable structure that does not impede active walking.

Meanwhile, the structure of the present invention is not limited to use in men's dress shoes as shown in FIGS. 1 to 3, but when applied to women's shoes, athletic shoes, and sandals (6) commonly worn by women as shown in FIG. 4, various types of footwear can be put on more conveniently and quickly.

Referring to FIG. 4, the sandal (6) is characterized by having an elastic member (3) at the heel (7) portion that descends by the pressing force of the foot, and exerts its own elastic force to restore to its original position when the pressing force of the foot is released.

Therefore, as previously described, when the wearer's foot descends in the sandal (6), the elastic member (3) contacts the rear part of the sole of the foot, and from this point, the elastic member (3) descends by the pressing force of the foot.

Then, when the wearer's foot advances forward, the rear part of the foot that was pressing the elastic member (3) also advances forward, so the force pressing the elastic member (3) is eliminated and the elastic member (3) ascends by its own elastic force.

Additionally, the ascended elastic member (3) wraps around the wearer's Achilles tendon, so the sandal (6) is worn stably.

Effect of the Invention

As described in detail above, the footwear easy to put on of the present invention has the effect that the footwear can be put on simply and quickly by just the action of pushing the foot into the front part of the footwear when putting on the footwear, as well as being able to take off the footwear conveniently, and being particularly useful for the elderly, the infirm, and children in early childhood.

(57) CLAIMS

Claim 1.

A footwear easy to put on, characterized by comprising: an elastic member having bent both ends inserted and fixed into the heel portion of men's dress shoes, women's shoes, or athletic shoes to enable easy putting on and taking off of the footwear, erected and fixedly installed at a predetermined angle so as to wrap around the Achilles tendon and ankle, and descending by the foot when putting on the footwear and then ascending by its own elastic force to support the Achilles tendon and ankle; and

a stretchable portion formed at both sides of the center of the outer skin of the footwear, performing a stretching action while compensating for the length of the outer skin that stretches to prevent damage to the outer skin of the footwear caused by the elastic member descending by the foot when putting on the footwear.

Claim 2.

A sandal easy to put on, characterized by comprising: an elastic member having bent both ends inserted and fixed into the heel portion of the sandal to enable easy putting on and taking off of the sandal, erected and fixedly installed at a predetermined angle so as to wrap around the Achilles tendon and ankle, and descending by the foot when putting on the footwear and then ascending by its own elastic force to support the Achilles tendon and ankle.

DRAWINGS

FIG. 1

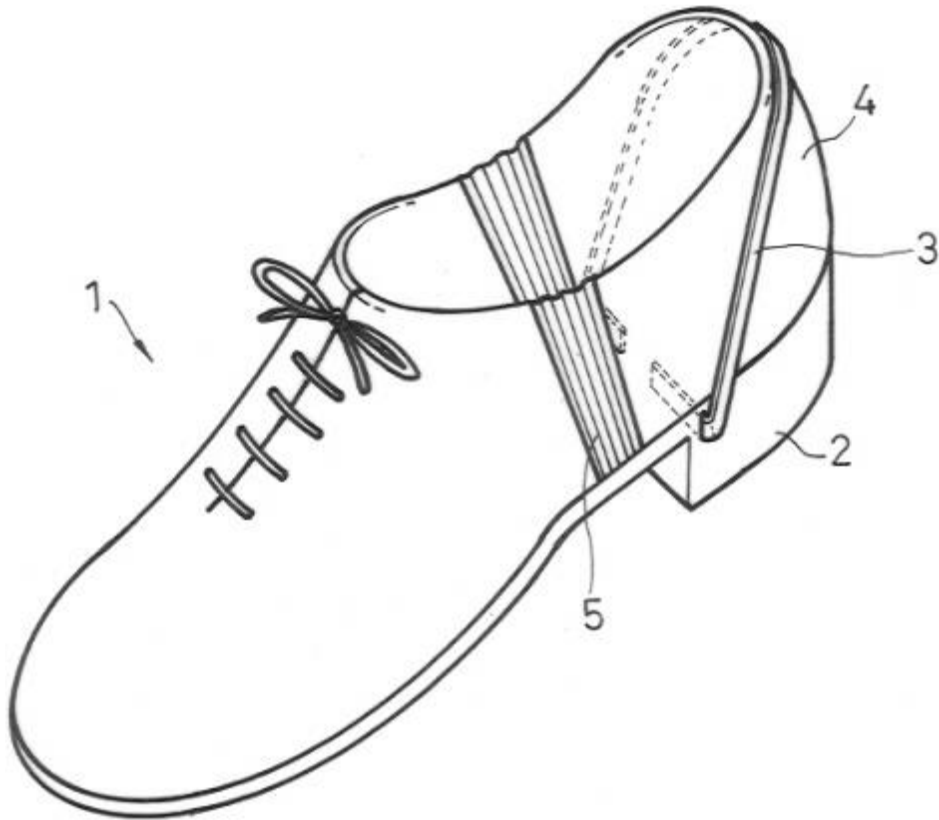


FIG. 2

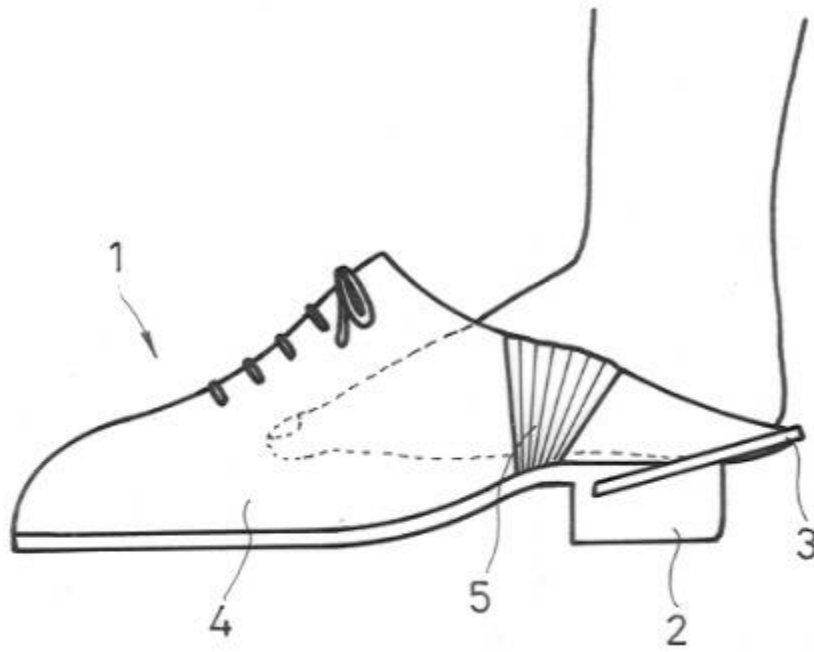


FIG. 3

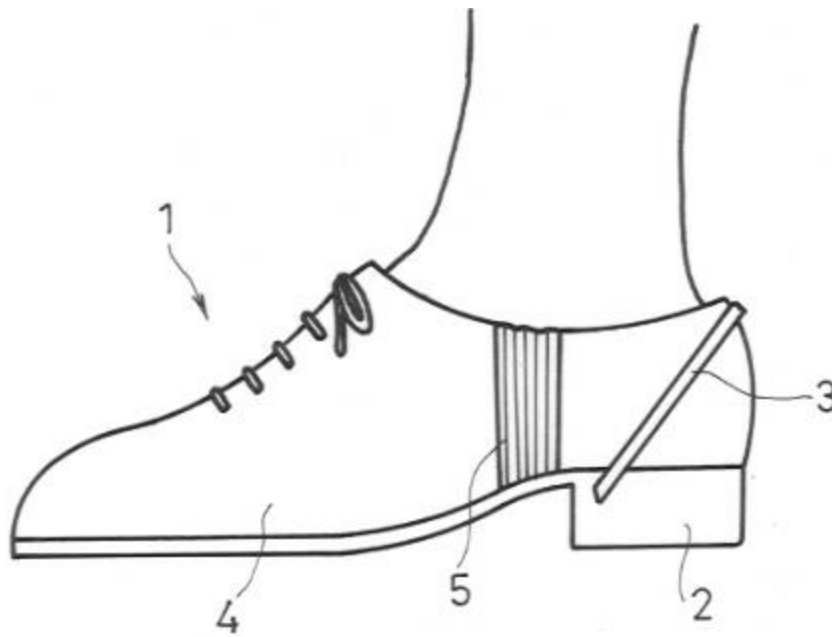


FIG. 4

