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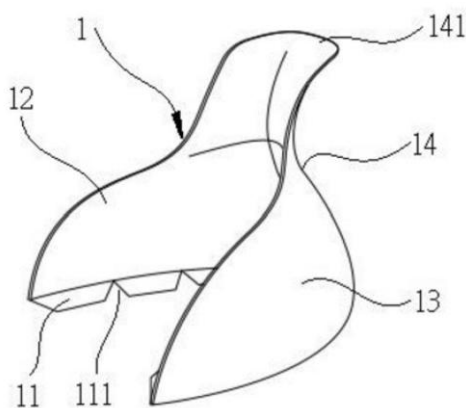
Claims: 1 page; Specification: 3 pages; Drawings: 4 pages

(54) Title of Invention

Counter Heel Cup Inserting Device

(57) Abstract

A counter heel cup inserting device primarily includes a horizontal embedding portion shaped according to the shape of a heel. A left piece portion, a right piece portion, and a rear support portion extend upward from the embedding portion. Front edges of the left piece portion and the right piece portion have concave and convex curved surfaces, while rear edges of the left piece portion and the right piece portion are connected to the rear support portion separately. The rear support portion has concave and convex curved surfaces. The left piece portion, the right piece portion, and the rear support portion form an accommodating space. A heel cup cushion is conveniently arranged between a lining and an upper of a shoe. When walking in shoes with the counter heel cup inserting device, a function of inserting into the shoes in 1 to 2 seconds can be easily achieved, facilitating put-on of the shoes, and further enhancing the convenience of putting on and taking off the shoes, while ensuring stability and comfort during walking.



1. A counter heel cup inserting device, comprising a horizontal embedding portion shaped according to the shape of a heel, wherein a left piece portion, a right piece portion, and a rear support portion extend upward from the embedding portion; rear edges of the left piece portion and the right piece portion are connected to the rear support portion separately; the left piece portion, the right piece portion, and the rear support portion form an accommodating space, for arrangement between a lining and an upper of a shoe; and when walking in shoes, a function of inserting into the shoes in 1 to 2 seconds is easily achieved, facilitating put-on of the shoes, and further enhancing the convenience of putting on and taking off the shoes, while ensuring stability and comfort during walking.

2. The counter heel cup inserting device according to claim 1, wherein front edges of the left piece portion and the right piece portion have concave and convex curved surfaces.

3. The counter heel cup inserting device according to claim 1, wherein the rear support portion has concave and convex curved surfaces.

4. The counter heel cup inserting device according to claim 1, wherein the embedding portion comprises a plurality of triangular notches spaced apart, to facilitate forming and keep the embedding portion flat.

5. The counter heel cup inserting device according to claim 1, wherein a top edge of the rear support portion is a horizontal segment with both ends being arc-shaped.

6. The counter heel cup inserting device according to claim 1, wherein a top edge of the rear support portion is elliptical or pointed.

COUNTER HEEL CUP INSERTING DEVICE

TECHNICAL FIELD

[0001] The present invention relates to a counter heel cup inserting device, and more particularly, to a counter heel cup inserting device capable of easily achieving, when walking in shoes, a function of inserting into the shoes in 1 to 2 seconds, facilitating put-on of the shoes, and further enhancing the convenience of putting on and taking off the shoes, while ensuring stability and comfort during walking.

BACKGROUND ART

[0002] At present, shoes are a necessity in everyone's daily life, such as going out to work, shopping, or exercising, which requires wearing shoes to protect one's feet. To make walking in shoes more comfortable, users often add an insole made of soft material inside the shoe to provide a cushioning effect during walking. However, a heel and a shoe collar area are actually very important when wearing shoes. Because of stability of the heel, walking is more stable and comfortable. When putting on or taking off ordinary shoes, it is usually necessary to tighten or loosen shoelaces or adjustment straps (hook-and-loop straps), or even to pull a woven heel strap of the shoe or use a shoehorn to assist in putting on the shoes, making the process of putting on and taking off quite troublesome. This is especially problematic when one's hands are full of items, causing difficulty in putting on and taking off shoes. In view of this, the applicant, through continuous research and experimentation, conceived and designed a counter heel cup inserting device capable of easily achieving, when walking in shoes, a function of inserting into the shoes in 1 to 2 seconds, more facilitating put-on of the shoes, and further enhancing the convenience of putting on and taking off the shoes, while ensuring stability and comfort during walking.

SUMMARY

[0003] An object of the present invention is to provide a counter heel cup inserting device capable of easily achieving, when a user walks in shoes, a function of inserting into the shoes in 1 to 2 seconds, more facilitating put-on of the shoes, and further enhancing the convenience of putting on and taking off the shoes, while ensuring stability and comfort during walking.

[0004] The technical solution of the present invention is as follows:

[0005] A counter heel cup inserting device includes a horizontal embedding portion shaped according to the shape of a heel. A left piece portion, a right piece portion, and a rear support portion extend upward from the embedding portion. Rear edges of the left piece portion and the right piece portion are connected to the rear support portion separately. The left piece portion, the right piece portion, and the rear support portion form an accommodating space, for arrangement between a lining and an upper of a shoe. When walking in shoes, a function of inserting into the shoes in 1 to 2 seconds is easily achieved, facilitating put-on of the shoes, and further enhancing the convenience of putting on and taking off the shoes, while ensuring stability and comfort during walking.

[0006] Further, front edges of the left piece portion and the right piece portion have concave and convex curved surfaces.

[0007] Further, the rear support portion has concave and convex curved surfaces.

[0008] Further, the embedding portion includes a plurality of triangular notches spaced apart, to facilitate forming and keep the embedding portion flat.

[0009] Further, a top edge of the rear support portion is a horizontal segment with both ends being arc-shaped.

[0010] Further, a top edge of the rear support portion is elliptical or pointed.

[0011] The beneficial effects brought by the present invention adopting the foregoing technical solution are as follows:

[0012] In the present invention, a counter heel cup inserting device is formed by a horizontal embedding portion shaped according to the shape of a heel in combination with a left piece portion, a right piece portion, and a rear support portion extending upward from the embedding portion, to easily achieve, when a user walks in shoes, a function of inserting into the shoes in 1 to 2 seconds, more facilitating put-on of the shoes, ensuring stability and comfort during walking,

and further enhancing the convenience of putting on and taking off the shoes.

BRIEF DESCRIPTION OF THE DRAWINGS

[0013] FIG. 1 is a perspective view of the present invention.

[0014] FIG. 2 is a top view of the present invention.

[0015] FIG. 3 is a cross-sectional view of the present invention assembled in a shoe.

[0016] FIG. 4 is a wearing state diagram of the present invention.

[0017] FIG. 5 is a perspective view of another embodiment of the present invention.

[0018] FIG. 6 is a top view of another embodiment of the present invention.

[0019] FIG. 7 is a perspective view of still another embodiment of the present invention.

[0020] FIG. 8 is a top view of still another embodiment of the present invention.

[0021] In the drawings: 1: counter heel cup cushion; 11: embedding portion; 111: triangular notch; 12: left piece portion; 13: right piece portion; 14: rear support portion; 141: top edge; 2: shoe; 21: sole; 22: insole; 23: lining; and 24: upper.

DETAILED DESCRIPTION

[0022] Please refer simultaneously to FIG. 1 and FIG. 2, which are a perspective view and a top view of the present invention. As shown in the figures, in the present invention, a horizontal embedding portion 11 shaped according to the shape of a heel is included. A left piece portion 12, a right piece portion 13, and a rear support portion 14 extend upward from the embedding portion 11. Front edges of the left piece portion 12 and the right piece portion 13 have concave and convex curved surfaces, while rear edges of the left piece portion 12 and the right piece portion 13 are connected to the rear support portion 14 separately. The rear support portion 14 has concave and convex curved surfaces. In this embodiment, the embedding portion 11 includes a plurality of triangular notches 111 spaced apart, to facilitate forming and keep the embedding portion flat. A top edge 141 of the rear support portion 14 is a horizontal segment with both ends being arc-shaped.

[0023] The left piece portion 12, the right piece portion 13, and the rear support portion 14 form an accommodating space, to form a counter heel cup cushion 1. The counter heel cup cushion 1 is conveniently arranged between a lining and an upper of a shoe. When walking in shoes with the counter heel cup cushion 1, a function of inserting into the shoes in 1 to 2 seconds can be easily achieved, more facilitating put-on of the shoes, and further enhancing the convenience of putting on and taking off the shoes, while ensuring stability and comfort during walking.

[0024] Please refer to FIG. 3, which is a cross-sectional view of the present invention assembled in a shoe. Please also refer to FIG. 1. As shown in the figure, during assembly of the present invention, the counter heel cup cushion 1 is arranged between a lining and an upper of a shoe 2. The embedding portion 11 of the counter heel cup cushion 1 is clamped and fixed between a sole 21 and an insole 22 of the shoe 2. The left piece portion 12, the right piece portion 13, and the rear support portion 14 are respectively clamped and fixed between the lining 23 and the upper 24 of the shoe 2. When walking in shoes with the counter heel cup cushion 1, a function of inserting into the shoes in 1 to 2 seconds can be easily achieved, more facilitating put-on of the shoes, and further enhancing the convenience of putting on and taking off the shoes, while ensuring stability and comfort during walking.

[0025] Please refer to FIG. 4, which is a wearing state diagram of the present invention. Please refer to FIG. 1 and FIG. 4 together. As shown in the figures, the counter heel cup cushion 1 of the present invention is arranged between the lining 23 and the upper 24 of the shoe 2, and the embedding portion 11 is clamped and fixed between the sole 21 and the insole 22 of the shoe 2. Therefore, when a user walks in shoes, a function of inserting into the shoes in 1 to 2 seconds can be easily achieved, facilitating put-on of the shoes, and more ensuring stability and comfort during walking. When putting on or taking off the shoe 2, it is more convenient by means of the counter heel cup cushion 1. It is only necessary to adjust shoelaces or adjustment straps (hook-and-loop straps) of the shoe 2 once, and then there is no need to repeat the actions of untying and tying the straps, achieving an easy method for putting on and taking off. To be specific, the shoe 2 can be put on and taken off using just the feet. Therefore, when the user's hands are full of items, the shoes can be easily put on and taken off.

[0026] Please refer simultaneously to FIG. 5 and FIG. 6, which are a perspective view and a top view of another embodiment of the present invention. As shown in the figures, in another embodiment of the present invention,

a horizontal embedding portion 11 shaped according to the shape of a heel is included. A left piece portion 12, a right piece portion 13, and a rear support portion 14 extend upward from the embedding portion 11. Rear edges of the left piece portion 12 and the right piece portion 13 are connected to the rear support portion 14 separately. In this embodiment, a top edge 141 of the rear support portion 14 is elliptical, for adapting to different types of shoes.

[0027] Please refer simultaneously to FIG. 7 and FIG. 8, which are a perspective view and a top view of still another embodiment of the present invention. As shown in the figures, in another embodiment of the present invention, a horizontal embedding portion 11 shaped according to the shape of a heel is included. A left piece portion 12, a right piece portion 13, and a rear support portion 14 extend upward from the embedding portion 11. Rear edges of the left piece portion 12 and the right piece portion 13 are connected to the rear support portion 14 separately. In this embodiment, a top edge 141 of the rear support portion 14 is pointed, for adapting to different types of shoes.

[0028] The foregoing descriptions are merely preferred embodiments of the present invention and are not intended to limit the present invention. Changes made based on the concepts of the present invention, such as modifications to the configurations or arrangement types, and various variations, modifications, and applications falling within the spirit of the present invention, along with their equivalent effects, should all be included within the scope of the claims of the present invention, as stated herein.

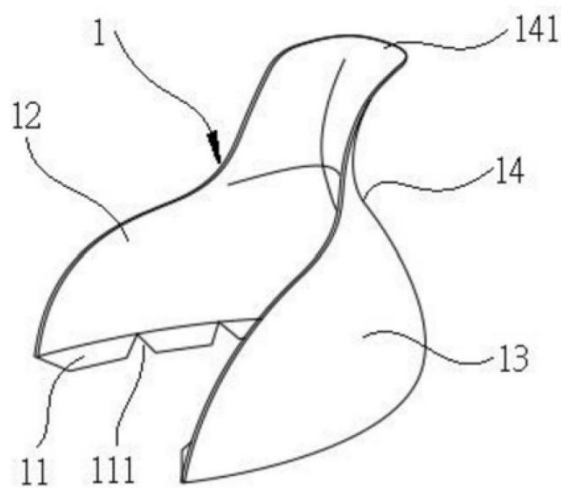


FIG. 1

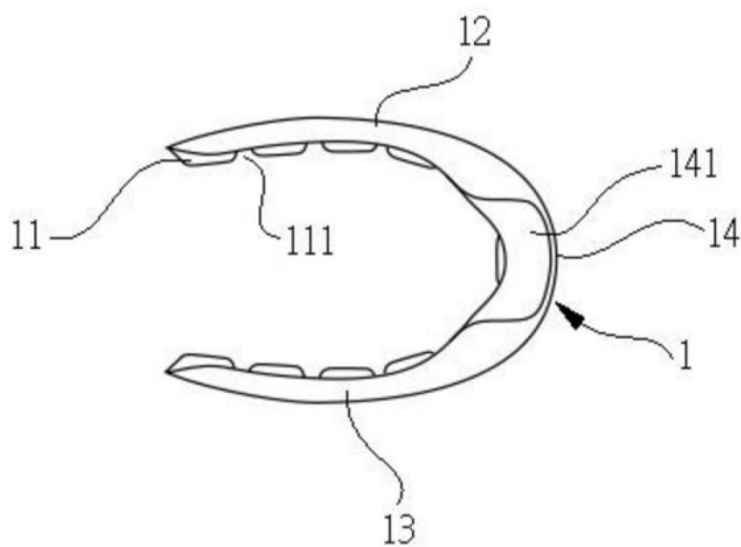


FIG. 2

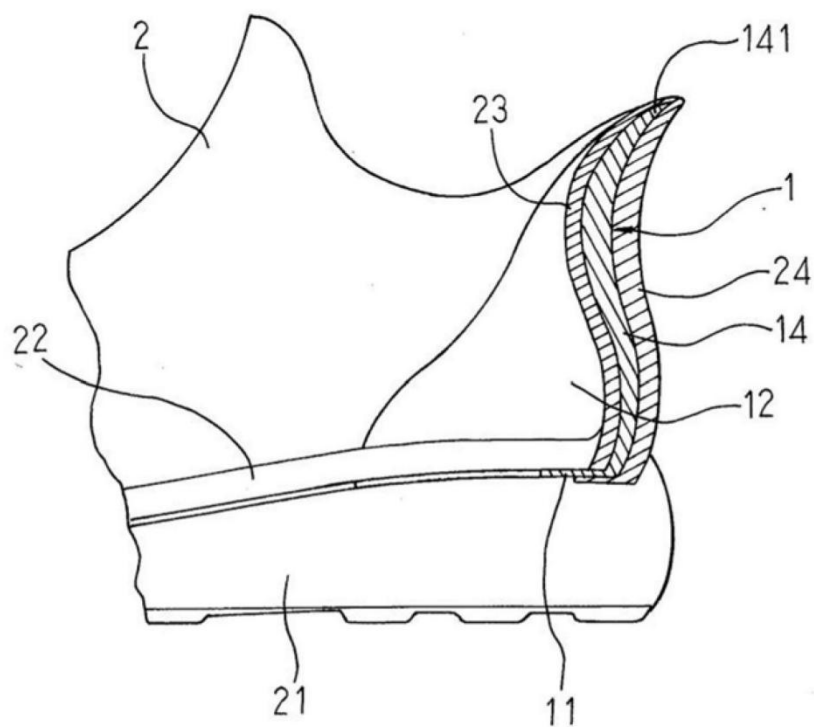


FIG. 3

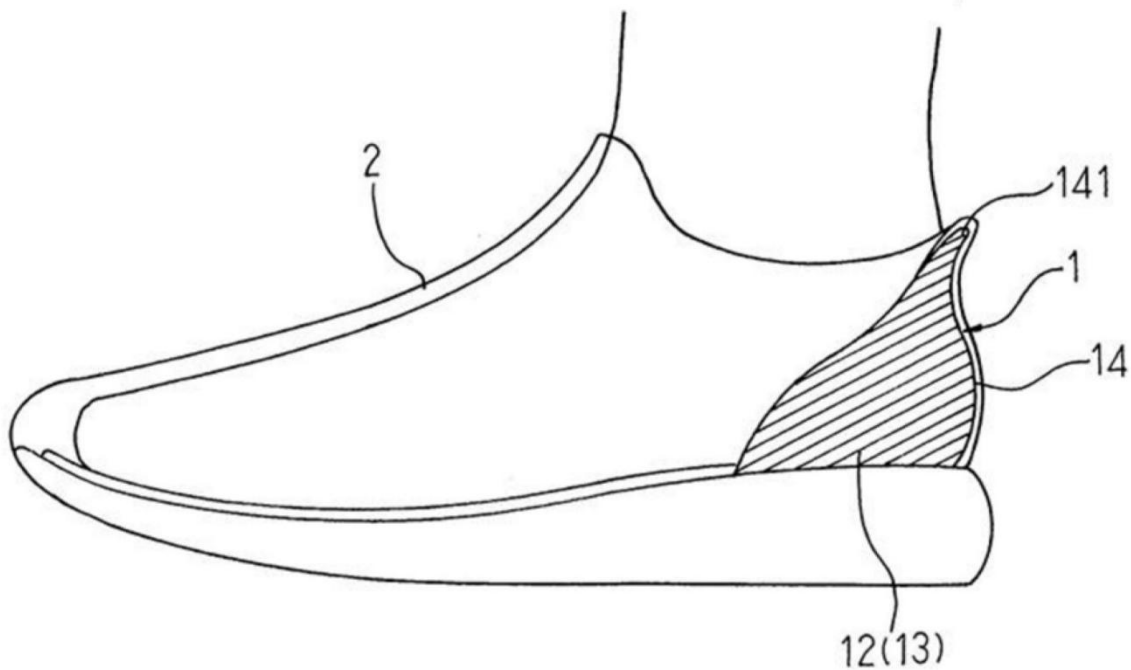


FIG. 4

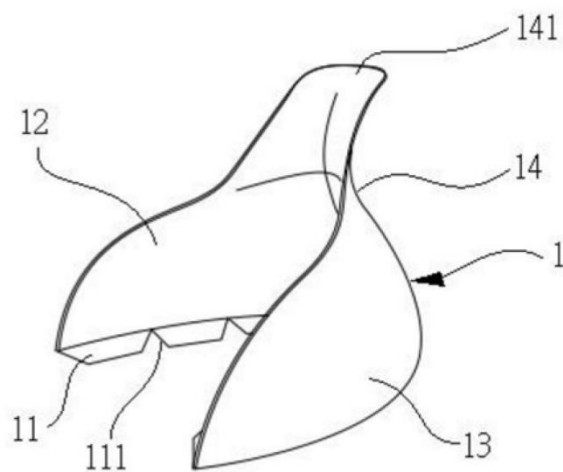


FIG. 5

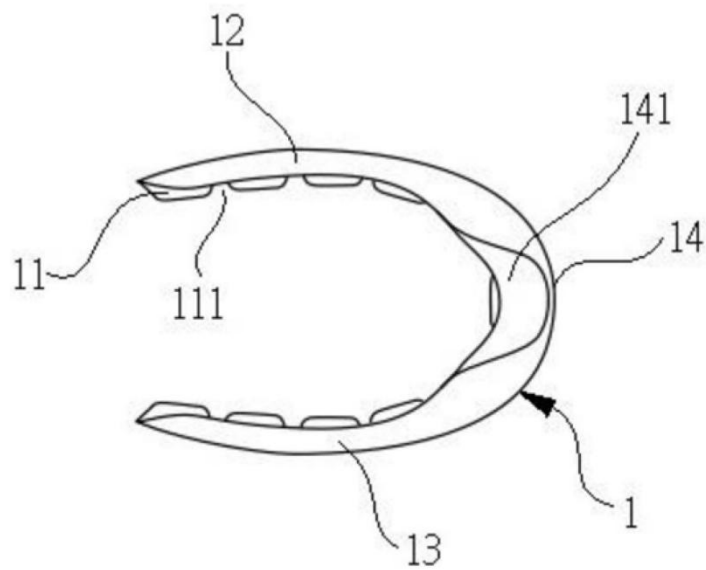


FIG. 6

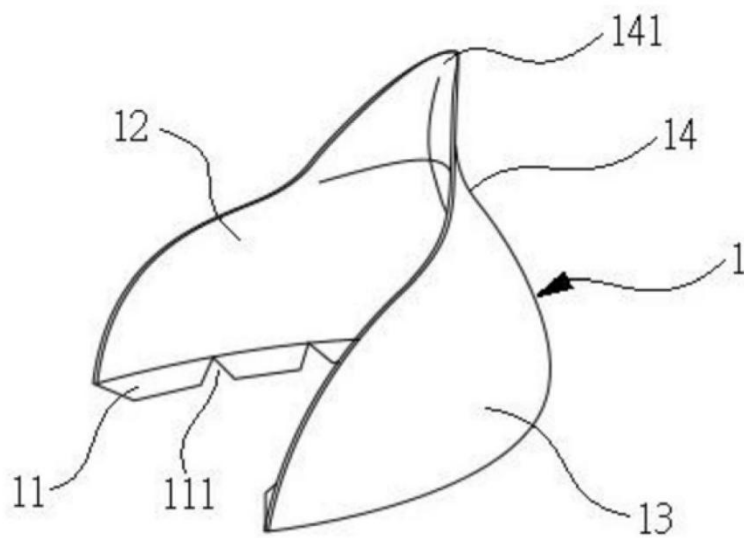


FIG. 7

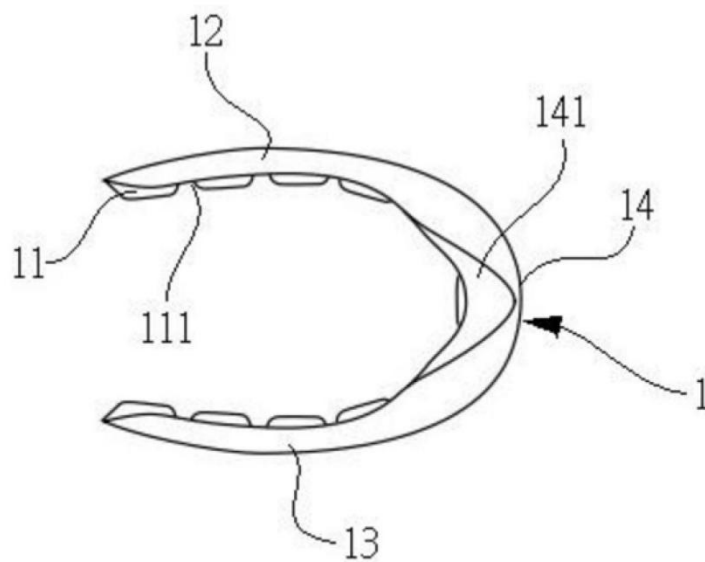


FIG. 8