

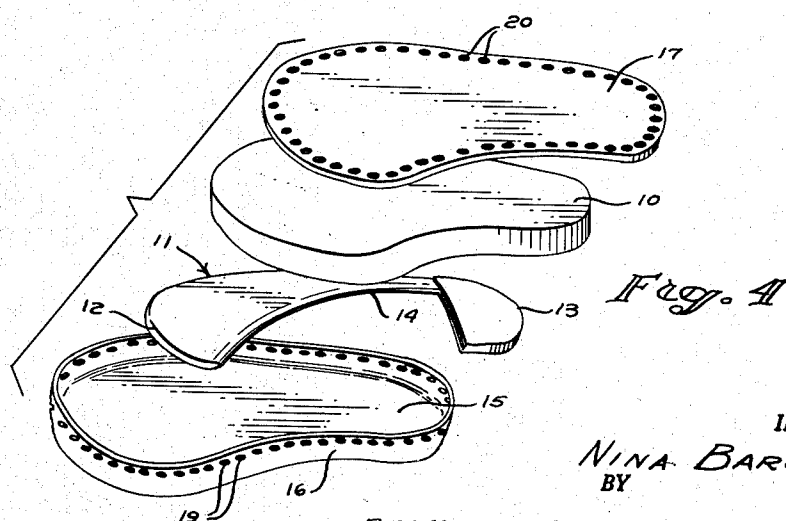
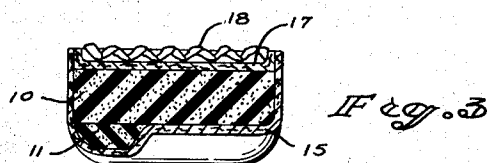
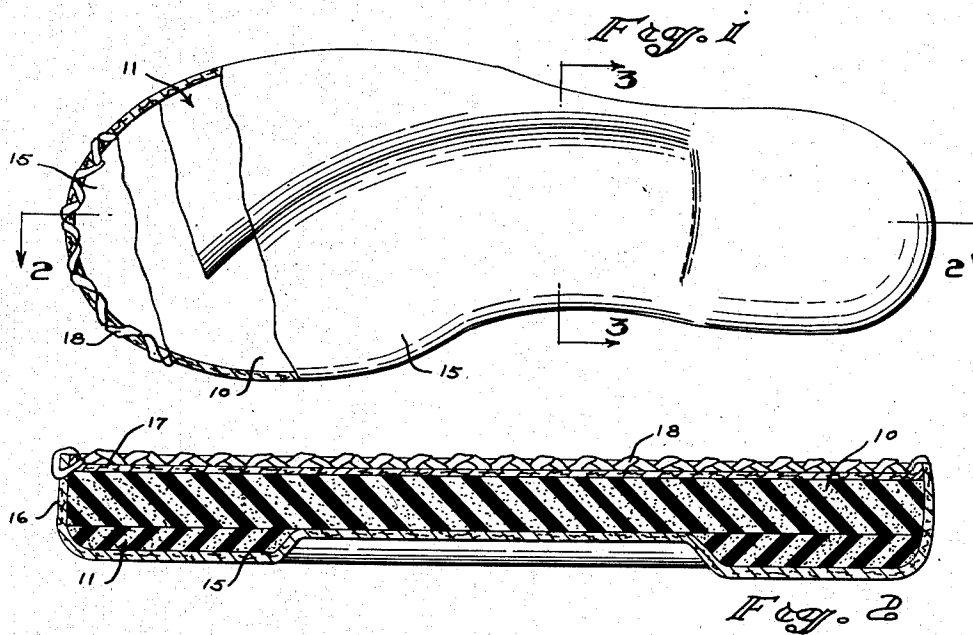
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2,678,506

CUSHION AND SHOCK RESISTANT SHOE SOLE

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## UNITED STATES PATENT OFFICE

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CUSHION AND SHOCK RESISTANT  
SHOE SOLE

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4 Claims. (Cl. 36-8.5)

1

This invention relates to a cushion and shock resistant shoe sole.

An object of the present invention is to provide a shoe sole of the cushion or shock resistant type.

Another object of the invention is to provide a shoe sole of the cushion or shock resistant type which has a balancing member for causing the foot of the wearer to be evenly distributed over the shoe sole surface.

A further object of the present invention is to provide a shoe sole which is soft and pliable, and which is of sturdy construction.

Other objects and advantages of the present invention will become apparent from the following description taken in conjunction with the accompanying drawing wherein.

Figure 1 is a bottom plan view, with parts broken away, of the shoe sole of the present invention.

Figure 2 is a sectional view taken on the line 2-2 of Figure 1.

Figure 3 is a sectional view taken on the line 3-3 of Figure 1.

Figure 4 is an exploded view of the shoe sole of the present invention.

Referring to the drawing, the shoe sole of the present invention comprises a main pliable layer or core 10 shaped to a complete shoe sole, and a balancing member consisting of a subsidiary layer 11 which is of a thickness less than that of the layer 10 and is secured to the under face of the latter layer 10. The subsidiary layer 11 has one end portion 12 conforming to the toe part of the main layer 10 and has the other end portion 13 conforming to the heel part of the main layer 10 with only a part 14 conforming to and extending along the small toe side of the layer 10. Each of the layers 10 and 11 is fabricated of shock resistant material selected from the group consisting of foam rubber, sponge rubber, felt, leather.

The face carrying the subsidiary layer 11 is covered by a facing layer 15, as shown in Figure 4, which is shaped to conform to the main layer 10 and has an upstanding flange portion 16, the latter portion embracing the main and subsidiary layers 10 and 11 assembly. The upper face of the main layer 10 is also covered by another facing layer 17 which is secured to the flange portion 16 of the facing layer 15 by means of a cord 18 which is laced through openings 19 formed in the upper end of the flange portion 16 and the openings 20 formed in the facing layer 17 adjacent the bounding edge thereof. The fac-

2

ing layers 15 and 17 are fabricated of a material selected from the group consisting of soft animal skin leather like reindeer skin, elk skin, sealskin, caribou skin, felt, fabric-like knit or woven fabric. As shown in Figures 2 and 3, the facing layers 15 and 17 are each made of soft skin leather or felt. Preferably the facing layers 15 and 17 are made of soft animal skin leather and of either of the aforementioned kinds of leather.

The thus described shoe sole is particularly adapted for use in the production of slippers, sandals, moccasins. Also, the balancing member on the sole enables the foot of the wearer to be evenly distributed over the shoe sole surface.

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

1. A shoe sole comprising a main pliable layer shaped to a complete shoe sole, and a balancing member consisting of a subsidiary pliable layer of a thickness less than that of said main layer and secured to the under face of said main layer, said subsidiary layer having one end portion conforming to the toe part of said main layer and having the other end portion conforming to the heel part of said main layer with only a part conforming to and extending along the small toe side of said main layer, each of said main and subsidiary layers being fabricated of shock resistant material.

2. A shoe sole comprising a main pliable layer shaped to a complete shoe sole, a balancing member consisting of a subsidiary pliable layer of a thickness less than that of said main layer and secured to the under face of said main layer, said subsidiary layer having one end portion conforming to the toe part of said main layer and having the other end portion conforming to the heel part of said main layer with the only part conforming to and extending along the small toe side of said main layer, each of said main and subsidiary layers being fabricated of shock resistant material, and a facing layer covering the face carrying the subsidiary layer, said facing layer being fabricated of material selected from the group consisting of soft animal skin leather, felt, fabric.

3. A shoe sole comprising a main pliable layer shaped to a complete shoe sole, a balancing member consisting of a subsidiary pliable layer of a thickness less than that of said main layer and secured to the under face of said main layer, said subsidiary layer having one end portion conforming to the toe part of said main layer and having the other end portion conforming to the

3

heel part of said main layer with only a part conforming to and extending along the small toe side of said main layer, each of said main and subsidiary layers being fabricated of shock resistant material, and a facing layer covering the face carrying the subsidiary layer and the upper face of said main layer, said facing layer being fabricated of material selected from the group consisting of soft animal skin leather, felt, fabric.

4. A shoe sole comprising a main pliable layer shaped to a complete shoe sole, a balancing member consisting of a subsidiary pliable layer of a thickness less than that of said main layer and secured to the under face of said main layer, said subsidiary layer having one end portion conforming to the toe part of said main layer and having the other end portion conforming to the heel part of said main layer with only a part conforming to and extending along the small toe

4

side of said main layer, each of said main and subsidiary layers being fabricated of shock resistant material, and a pair of facing layers covering the face carrying the subsidiary layer and the upper face of said main layer, said facing layers having the bounding edges connected together and each being fabricated of material selected from the group consisting of soft animal skin leather, felt, fabric.

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