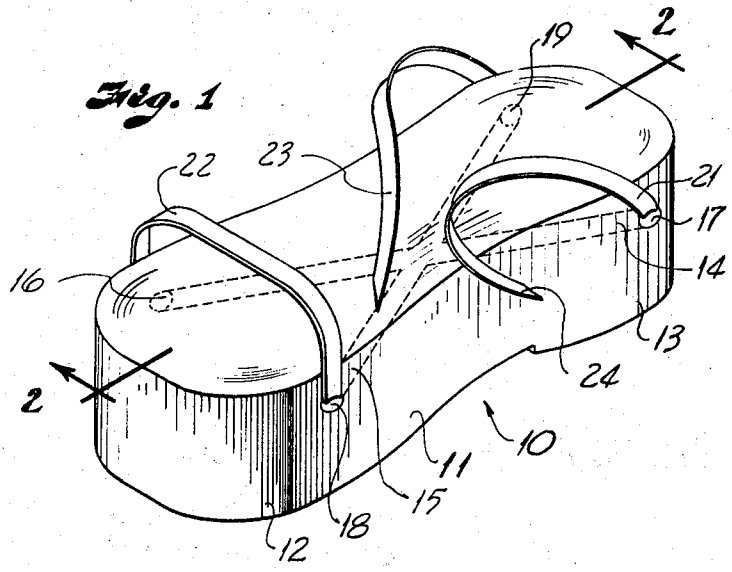
Nov. 14, 1967 R. C. COLLEY 3,352,033

LIGHT WEIGHT SANDAL

Filed Dec. 20, 1966

Fig. 1



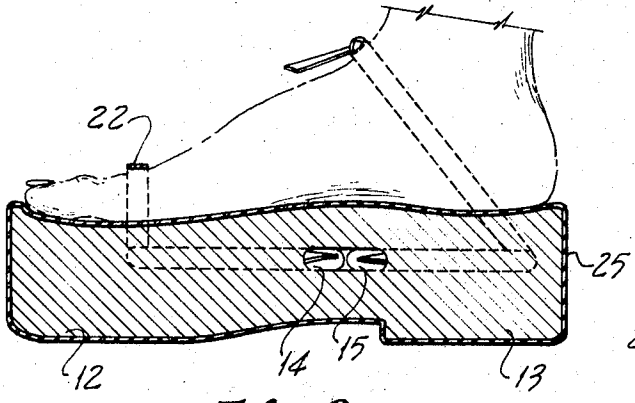


Fig. 2

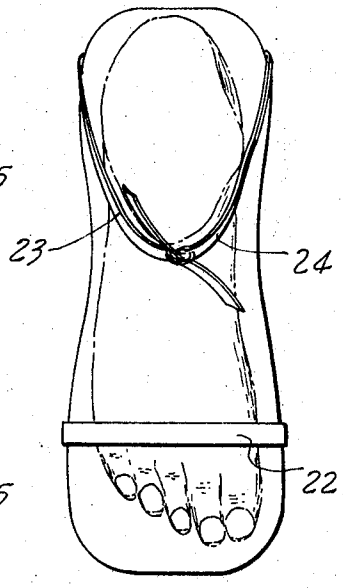


Fig. 3

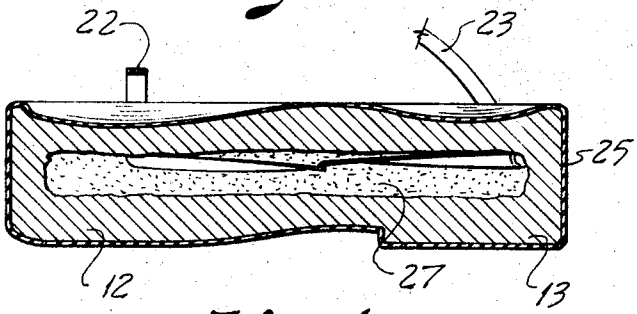


Fig. 4

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LIGHT WEIGHT SANDAL

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5 Claims. (Cl. 36—11.5)

ABSTRACT OF THE DISCLOSURE

The disclosure describes a lightweight shoe formed from a block **11** of polystyrene foam. Intersecting diagonal apertures **14** and **15** are formed in the block **11** extending from the toe section to the heel section. A strap **21** is drawn through the apertures **14** and **15** to form a continuous toe loop **22** with the ends **23** and **24** extending from the heel section for securing together about the ankle.

My invention relates to an article for wear and more particularly to a lightweight shoe that may be worn on the foot or under the sole of another shoe.

One of the principal objects of my invention is to provide an extremely lightweight shoe that is durable, long-lasting and comfortable to wear while being economical to manufacture.

An additional object of my invention is to provide a lightweight shoe having a block of plastic foam with apertures formed therein to facilitate the attachment of the shoe to the foot by the use of only one strap.

A further object of my invention is to provide a lightweight shoe that does not require the additional manufacturing process of affixing straps to the body of the shoe.

With these and other objects in mind, my invention contemplates a lightweight shoe made from a block of plastic foam such as polystyrene foam that conforms to the shape of the foot. The block has two crossing diagonal apertures formed therein extending from the toe area to the heel area. A strap is interwoven through the apertures to form a continuous loop extending transversely over the toe area with the ends of the straps extending from the heel area to be joined together about the ankle.

Other objects and advantages of my invention will become apparent by reference to the following detailed description and the accompanying drawings illustrating the preferred embodiment thereof, in which:

FIG. 1 is a perspective showing a lightweight shoe formed by a plastic foam block embodying the principal features of the present invention;

FIG. 2 is a cross section view taken on line **2**—**2** of FIG. 1 showing the side of a foot in phantom positioned on the block;

FIG. 3 is a plan view of the shoe showing a foot in phantom positioned on the shoe; and

FIG. 4 is similar to FIG. 3 except it shows an alternate embodiment in which a cavity is formed in the block.

Referring in detail to the drawings FIG. 1 shows a lightweight shoe **10** comprising a molded or shaped block or sole **11** made of plastic material such as polystyrene foam. The top surface of the block **11** is contoured to form a toe section **12** and a heel section **13** adapted to receive a foot.

Two crossing and intersecting diagonal apertures **14** and **15** are formed in the block **11**. Aperture **14** extends

from point **16** in the toe section to a point **17** in the heel section. Aperture **15** extends from a point **18** in the toe section to a point **19** in the heel section. As may be particularly seen in FIG. 2 that the apertures intersect in the arch area of the block **11**.

A strap **21** is interwoven in the apertures **14** and **15** to form a continuous loop **22** transversely across the top of the toe section **12** to receive and secure the forward portion of the foot to the block **11**. Ends **23** and **24** of the strap **21** extend diagonally through the apertures **14** and **15** emerging from the block at points **17** and **19**. As may be particularly seen from FIG. 3 the ends **23** and **24** may be secured together about the ankle. FIG. 3 shows the ends being secured together by tying. Other ways of securing the ends of the strap together could be used, such as by a buckle arrangement.

A water impervious coating **25** is formed on the outside of the block **11** to resist the discoloring and water impregnation of the block **11**.

Another embodiment is shown in FIG. 4 in which the block **11** has a cavity **27** formed therein to decrease the weight of the shoe **10**. As is shown in FIG. 4 the straps extend through the cavity **27** from the toe section **12** to the heel section **13**.

It is understood that the above described embodiments are simply illustrative of the application of the principles of my invention. Numerous other arrangements could be readily devised by those skilled in the art which will embody the principles of my invention and fall within the spirit and the scope thereof. Therefore, only the following claims are intended to define my invention.

What I claim is:

1. A light weight article of footwear comprising:

(a) plastic sole conforming generally to the shape of the foot and having an upper surface contoured to conform to the general outline of the bottom of the foot, said sole has two crossing diagonal elongated apertures formed therein that extend from the toe section in which each aperture has an opening in one side of the toe section of the sole and another opening in the opposite side of the heel section of the sole; and

(b) a strap extending through the apertures and forming a continuous loop extending transversely over the toe section with the ends of the strap extending from the openings in the heel section to be joined about the ankle.

2. The article as defined in claim **1** wherein the diagonal apertures are intersecting.

3. The article as defined in claim **1** wherein the sole is made of a foam plastic material.

4. The article as defined in claim **1** further comprising a water impervious coating surrounding the sole.

5. The article as defined in claim **3** wherein the sole is made from polystyrene foam.

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