L. M. TYNES.
FISH CORD SHOE.
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Fig. 1
Fig. 2
Fig. 3
Fig. 4
Fig. 5
Fig. 6

L. M. Tynes,
Inventor

Witnesses

Attorneys
To all whom it may concern:

Be it known that I, LUCIUS M. TYNES, a citizen of the United States, residing at Fort Worth, in the county of Tarrant and State of Texas, have invented a new and useful Fish-Cord Shoe, of which the following is a specification.

The device forming the subject matter of this application is a shoe, and one object of the invention is to provide a shoe the body portion of which is made out of mesh-work fabric, so as to provide ventilation, and to render the shoe of peculiar utility as a bathing shoe, the fabric being of peculiar construction adapting it for use in a shoe.

Another object of the invention is to provide novel means for connecting the constituent parts of the shoe.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the present invention appertains.

With the above and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings,

Figure 1 shows in side elevation, a shoe constructed in accordance with the present invention;

Fig. 2 is a fragmental vertical section taken through the heel of the shoe;

Fig. 3 is a section taken approximately on the line 3—3 of Fig. 1, the line 2—2 in Fig. 3 indicating the cutting plane on which Fig. 2 is taken;

Fig. 4 is a fragmental section taken approximately on the line 4—4 of Fig. 1;

Fig. 5 is a diagrammatic plan showing one of the threads which go to make up the mesh-work fabric of the shoe; and

Fig. 6 is a cross section of the thread shown in Fig. 5.

The shoe forming the subject matter of this application embodies an insole 1 and an outsole 2. At the rear of the shoe is located a counter 3. The insole 1, the outsole 2 and the counter 3 may be made of any desired material, such as leather. As shown at 4, the lower end of the counter 3 is extended between the rear ends of the insole 1 and the outsole 2 and is held by certain of the nails 5 which unite the insole and the outsole. Although nails are shown in the drawings, the insole and the outsole may be connected some other way. The shoe comprises a cross strip 6 of arched form, the ends of which pass between the insole 1 and the outsole 2 and are held by certain of the nails 5. Fig. 2, although depicting the heel portion of the shoe, will render it evident how the ends of the cross strip 6 are secured.

The upper portion of the shoe includes a pair of side pieces 7 overlapped at the heel of the shoe, as shown at 8, the overlapped ends of the side pieces 7 being secured together by stitching or otherwise, as shown at 12. The lower edges of the side pieces 7 extend as indicated at 10 between the insole 1 and the outsole 2 and are engaged by the nails 5. The rear portions of the side pieces 7 may be stitched to the exterior counter 8, as shown at 9. The device includes a toe piece 11, the edges of which extend between the insole 1 and the outsole 2 and are engaged by certain of the nails 5, after the manner of the side pieces 7. The side pieces 7 and the rear edge of the toe piece 11 extend beneath the cross strip 6 and are overlapped and stitched together, the toe piece 11 and the side pieces 7 being stitched at 14 to the cross strip. Fig. 3, although illustrating the heel portion of the shoe, illustrates as well, the way in which the side pieces 7 and the toe piece 11 are overlapped, secured together and secured to the cross strip 6. The upper edges of the side pieces 7 and the forward edges thereof are covered by a flexible binding strip 15 which is stitched in place as shown at 16. The binding strip 15 may be stitched as shown at 21 to the counter 3. The invention comprises a tongue 17 stitched or otherwise secured as shown at 18 to the under side of the cross strip 6.

It is to be observed that the side pieces 7 and the toe piece 11 are of woven mesh-work construction. Articles of footwear including an open mesh-work upper have not come into practical use, by reason of the fact that the threads which make up the fabric hitherto have been round and generally have been twisted. In the present invention, each thread 19 is braided, and is made up of a plurality of strands, four being shown in the present instance. In cross section, each thread is of rectangular form, as shown at

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20 in Fig. 6. Owing to the fact that a braided thread is used, and since the thread is rectangular in cross section, a mesh-work fabric woven out of the thread will retain its form and constituent threads of the fabric will not slide on each other. Any desired material may be used in the making of the threads, a hard, closely braided and preferably water-proof thread being used. Having thus described the invention, what is claimed is:

1. A shoe the upper of which embodies a woven, mesh-work portion made up of water-proof, crossed, braided threads of rectangular cross section.

2. A shoe the upper of which embodies a woven, mesh-work portion made up of crossed, braided threads, of rectangular cross section.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

LUCIUS M. TYNES.

Witnesses:

C. O. Austin,

John Stanley.