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CAST-SOCK

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Fig. 1

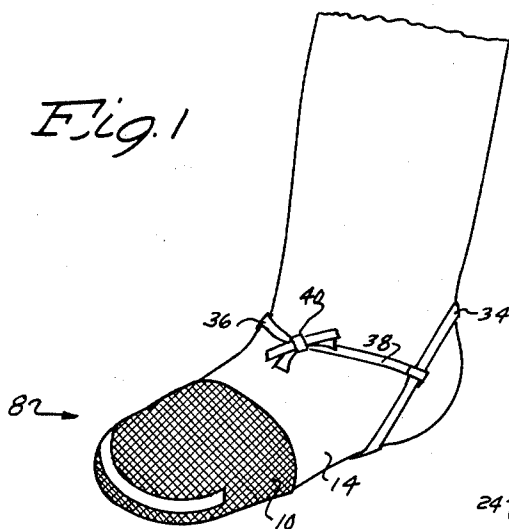


Fig. 2

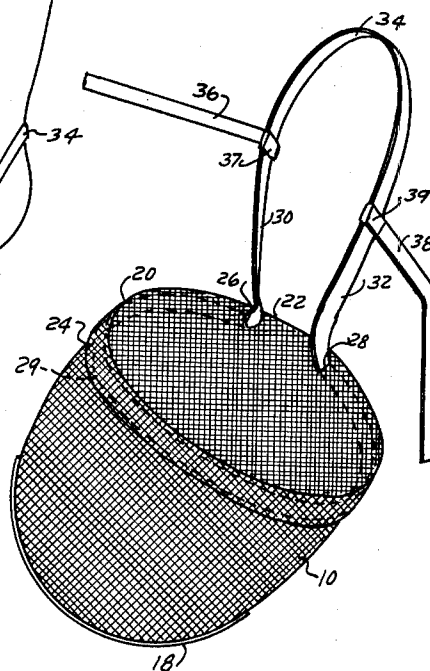
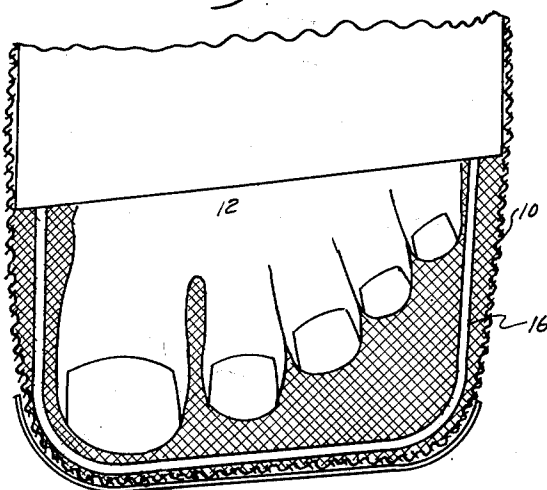


Fig. 3



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CAST-SOCK

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2 Claims. (Cl. 128—157)

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This invention relates a cast-sock to be worn on the toes of the foot and especially to be worn on the toes of a broken foot which is in a conventional cast.

Shields have heretofore been worn on the foot to protect hosiery against wear to which the latter is subjected adjacent the toes of the foot.

My cast-sock is made of open mesh textile material to afford adequate ventilation for the toes of a broken foot set in a conventional cast. The cast-sock is provided with an elastic band mounted in a pocket of the cast-sock adjacent its open end and a portion of which encircles the rear of the foot for aiding in retaining the sock in position on the foot. There are tie string means carried on elastic band and which the strings are adapted to be secured together on the top of the foot for aiding in retaining the elastic band on the rear of the foot.

It is an object of this invention to provide in a cast-sock, a sack-like device of open mesh material for encasing the toes of a broken foot set in a cast and which sack provides a neat means for covering exposed toes. The cast-sock provides adequate ventilation of the toes.

It is another object of this invention to provide in a cast-sock including sack-shaped body which is closed at one end and open at the other end for encasing the toes of a broken foot set in a cast, and elastic fastening means carried by the body of the sack for aiding in retaining the sack-shaped body of the cast-sock in position on the foot.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claims, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

In the accompanying drawing the preferred form of the invention has been shown.

In said drawing:

Figure 1 is a perspective view of the cast-sock shown in position on a foot in a conventional cast.

Figure 2 is a perspective view of the cast-sock on an enlarged scale.

Figure 3 is an enlarged fragmentary view, parts broken away, of the cast-sock shown in position on a foot in a cast.

Referring to the figures by character of reference, 10 designates a sack-like body preferably made of one piece of open mesh textile fab-

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ric of rather coarse weave such as fly-netting. The body 10 is closed at one end and open at the other end so as to receive the toes of foot 12. The foot 12 is shown set in a conventional plaster-cast 14 provided with a loop of wire 16 extending out of the front of the cast 14 to encircle the toes of the foot 12.

The cast-sock 10 is primarily employed to cover the toes of a broken foot 12 set in a conventional plaster-cast 14, and to also provide a neat covering means for the toes of the foot which extend out the front of the cast 14.

A reinforcing band 18 is secured to the front or closed end of the body 10 to protect the front portion of the body 10 from wear or damage when it is being worn on a foot.

The rear portion of the body 10 is lapped over at 20 completely around the free edge of the open end thereof except for area 22 on the bottom of the body 10 forming a pocket 24 substantially around the free edge of the body 10 adjacent its open end. The pocket 24 is provided with opposed spaced apart openings 26 and 28 in the bottom of the body 10. A band 29 of elastic material, such as elastic webbing, is carried in the pocket 24 of body 10 with a part 30 thereof passing out of opening 26 of the pocket 24 while a second part 32 extends through opening 28 of pocket 24. The two parts 30—32 of the elastic band 29 thus forming a loop 34 rearwardly of the open end of the body 10 of cast-sock 8.

A first tie string 36 of non-elastic fabric is slidably carried on part 30 of the elastic band 29 by a loop 37 formed on its inner end while a second tie string 38 of non-elastic fabric is slidably carried on part 32 of the band 29 by a loop 39 formed on its inner end.

When it is desired to wear the cast-sock 8 on the toes of the broken foot 12, the toes of such foot are inserted into the open end of the body 10 until the toes touch the closed end of the sack-like body 10. The area portion 22 of the body 10 is adapted to abut the bottom portion of the cast 14 on the foot 12.

The loop 34 of the elastic band 29 is drawn around the rear portion of the foot 12 and the rear portion of the cast 14, see Figure 1, and the elastic band 29 pulls down on the top portion of the sack on the top of the foot and also pulls rearwardly on the bottom portion of the sack which thus aids in retaining the sack-like body 10 in position on the foot 12 and the cast 14. The elastic band 29 provides a means for tightly engaging the heel portion of the foot 12 and also provides means which can be easily adjusted so that the

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same size cast-sock 8 may be worn on various sizes of feet. The tie strings 36 and 38 slidably carried on part 30 and part 32 of the band 29 provides adjustable securing means on both sides of the foot 12, both of which can be moved to the desired locations on the parts 30—32 so that loop 34 and parts 30—32 of the elastic band 29 are drawn up tightly on the cast 14 for the foot 12. Then the ends of tie strings 36—38 are knotted together as at 40 thus aiding in retaining the loop 34 and cast-sock 8 in position on foot 12 and cast 14.

The relatively coarse weave open mesh fabric forming the sack-like body 10 provides a neat appearing toe shield for the toes of the foot 12 projecting from the cast 14 and also provides means for adequate air ventilation for the toes.

The elastic band 29 carried in pocket 24 of body 10 having loop portion 34 formed rearwardly of the open end of the body 10 with the adjustable non-elastic tie strings 36—38 carried on the band 29 provide means for quickly and securely retaining the cast-sock in position on the foot and the cast for the broken foot.

It should of course be understood that it is not essential that the body 10 of the cast-sock 8 be made of fly netting, as above described, but that other kinds of woven, knitted, or netted textile fabrics may be utilized if they provide adequate ventilation for the toes of the foot in a cast.

It will be seen that there is thus provided a simple and efficient device, which may be inexpensively made, which can be quickly and readily placed on the toe portion of the foot in a plaster-cast for the above mentioned purposes.

I claim:

1. A cast-sock of the class described including a sack-like device comprising a bottom portion, the sack-like device having one end closed and the other end open to receive the forward end of a foot for encasing the toes of the foot, a pocket extending substantially around the free edge of the sack adjacent the open end thereof and having a pair of spaced apart opposed openings on the bottom portion of the body, an elastic band carried in the pocket, a first part of the band extending out one of the openings of the pocket, a second part of the band extending out

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the other opening of the pocket, the two parts of the band forming a loop rearwardly of the open end of the sack, the loop of the elastic band encircling the rear of the foot to aid in retaining the sack-like device in position on the foot, and a first tie string carried by the first part of the band at one side of the foot and a second tie string carried by the second part of the band at the other side of the foot, the two tie strings secured together over the top of the foot for aiding in retaining the elastic band on the heel portion of the foot.

2. A cast-sock of the class described including a sack-like device comprising a bottom portion, the sack having one end closed and the other end open to receive the forward end of the foot for encasing the toes of the foot, a pocket extending substantially around the free edge of the sack adjacent the open end thereof and having a pair of spaced apart opposed openings on the bottom portion of the body, an elastic band carried in the pocket, a first part of the band extending out one of the openings of the pocket, a second part of the band extending out the other opening of the pocket, the two parts of the band forming a loop rearwardly of the open end of the sack, the loop of the elastic band encircling the rear of the foot to aid in retaining the sack-like device in position on the foot, a first tie string carried by the first part of the band at one side of the foot and a second tie string carried by the second part of the band at the other side of the foot, the two tie strings secured together over the top of the foot for aiding in retaining the elastic band on the heel portion of the foot, the said tie strings being slidably mounted on the band.

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