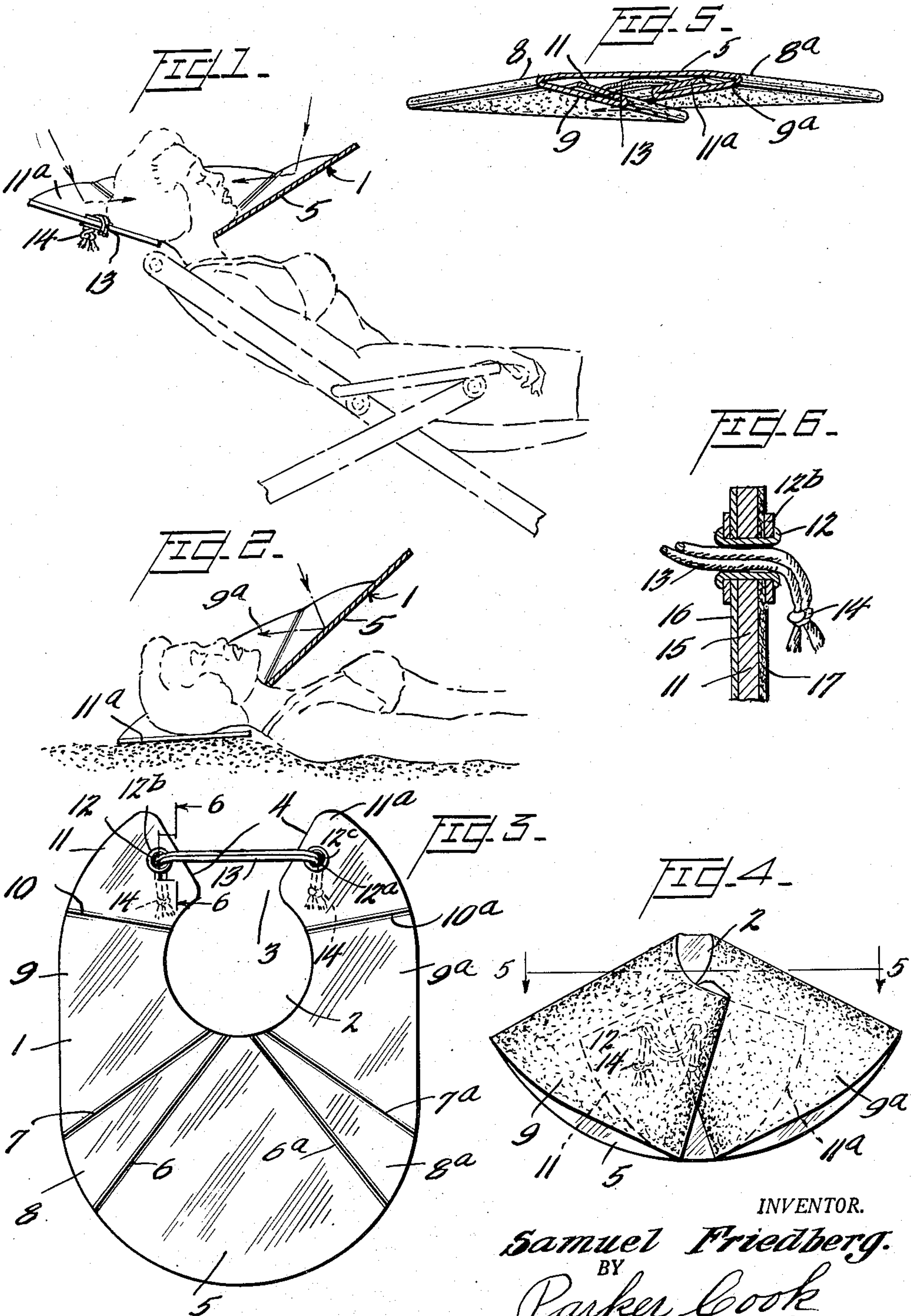


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SUN-REFLECTING COLLAR

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SUN-REFLECTING COLLAR

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My invention relates to what I term a sun-reflecting collar that is to be worn around the neck of the wearer so that there is a concentration of the sun's rays upon the front of the face, the sides of the face, neck, and back of the head and neck of the wearer.

One of the objects of the invention is to provide a relatively light, foldable collar that may be opened readily from its folded position and slipped over the head of the wearer without in any way disarranging the hairdo of the wearer.

Still another object of the invention is to provide a sun-reflecting collar having what might be termed a front segment and two rear segments, the rear segments capable of tilting upwardly and inwardly, and when drawn together, causing the sun-reflecting collar to assume what might be termed a funnel shape.

Another object of the invention is to provide a sun-reflecting collar wherein the inner surface will be of a reflecting nature, such as silver or aluminum paint, or a material having reflecting qualities; while the body of the reflector is made of one piece and preferably of cardboard so that it may be folded along pre-formed creases. The rear surface of the collar will have a pleasing felt-like covering or coating of any desired character.

Still another object of the invention is to provide a sun-reflecting collar comprising but one piece, which is not completely closed at the rear, so that on pulling what might be termed the two rear ends together it will force the sun-reflecting collar into what might be termed a funnel shape, so that the sun's rays will strike the reflecting collar from all angles and concentrate them on the face of the wearer.

Another object of the invention is to provide a sun-reflecting collar so that if the wearer is reclining in a chair, the two rear ends of the collar will be pulled together to force the sun reflector into a funnel shape; and, on the other hand, if the wearer wishes to recline or lie flat on the beach, the tying means that extends from one of the rear ends to the other may be loosened so that, in this instance, the back of the head may lie flat on the sun-reflecting collar, while the forward portion or front segment of the sun-reflecting collar, and sides, will incline at a small angle to in turn concentrate the sun's rays on the face of the wearer.

Still another object of the invention is to provide a sun-reflecting collar creased along certain lines so that the sun-reflecting collar may be quickly and readily folded into a compact package and may be easily carried in the hand.

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Another object of the invention is to provide a sun-reflecting collar wherein the holding means extending between the two rear ends of the collar fits snugly in apertures so that it is not necessary to tie the collar on, but simply pull the two ends of the collar apart, and the tying means which are cords passing through relatively small apertures will hold the ends of the collar wherever desired.

With these and other objects in view, the invention consists in certain new and novel features and combination of parts as will be hereinafter more fully described and pointed out in the claims.

Referring now more particularly to the several views, illustrating the invention,

Fig. 1 is a side view showing the collar in place, a part broken away for clearness of illustration,

Fig. 2 is a similar view but showing the wearer in a reclined position on the beach,

Fig. 3 is a top plan view of the collar showing where the same is creased for folding,

Fig. 4 is a top plan view showing the sun-reflecting collar in its folded position,

Fig. 5 is a sectional view taken on line 5—5 of Fig. 4, and

Fig. 6 is an enlarged, sectional view taken on line 6—6 of Fig. 3, showing the cardboard body, reflecting surface material, rear covering, and the holding means.

Referring now more particularly to the several views and for the moment to Fig. 1, there is shown my novel sun-reflecting collar 1 which is preferably cut or stamped from relatively thick cardboard, and when laid out flat, as shown in Fig. 3, is slightly greater in length than in width. It is cut out as at 2 to form a substantially circular opening with a throat 3, while the walls of the throat 3 diverge outwardly as at 4.

Still glancing at Fig. 3, it will be seen there is a relatively large segment 5 which it will be understood is an integral part of the collar 1, which will be under the chin of the wearer when the collar 1 is in place.

The collar 1 is then creased along the two lines 6 and 6a and the two lines 7 and 7a to form the smaller like segments 8 and 8a. Then it will be noticed that there are two side segments 9 and 9a which are formed by creasing the collar 1 near its rear end at 10 and 10a. Remaining are the two rear ends or what might be termed flaps 11 and 11a, the lines being heavily creased at 10 and 10a so that these flaps 11 and 11a are freely bendable forwardly or rearwardly.

In the rear ends of each flap 11 and 11a there are like grommets 12 and 12a and washers 12b

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and 12a, through which passes the fastening means 13, which fastening means 13 consists of two heavy cords which frictionally fit within the openings through the grommets 12 and 12a so that the fastening means 13 may be pulled and the ends forced together or partly together, and the ends will stay in this position until they are pulled apart by the hand.

Thus it is not necessary to tie the fastening means 13 when it is desired to open and close the throat 3 of the collar 1. The fastening means 13 will have knots 14 at its opposite ends so that there is no danger of the cord being pulled entirely from without the grommets 12 and 12a.

Glancing at Fig. 6, there will be seen the body or cardboard 15, the covering 16 of reflecting material, and the felt-like material 17, these coverings adding strength to the collar 1, as well as performing their other functions. Of course, the reflecting surface might be a paint, but I prefer to use a reflecting material such as aluminum paper, tin foil, etc.

Now, to place the sun-reflecting collar 1 over the head, it is only necessary to pull the two end flaps 11 and 11a apart as far as they will go and slip the sun-reflecting collar 1 over the head of the wearer; and then by forcing the two end flaps 11 and 11a together to close the throat 3, it will pull the sun-reflecting collar 1 to what might be termed funnel shape, that is, a large opening in the front and a smaller opening at the rear end.

As may be seen in Fig. 1, and as heretofore mentioned, just the pulling of these end flaps 11 and 11a together causes the collar 1 to assume the funnel-like shape.

As also heretofore mentioned, the collar 1 will remain in this position as the fastening means 13 fits so tightly through the grommets 12 and 12a that the cord 13 will not slip, and the rear flaps 11 and 11a will have to be pulled apart bodily.

When the collar 1 is in this position, it will be seen that not only will the wearer get the direct rays from the sun but the rays that otherwise would not strike the face will strike the collar 1 and be reflected on the front and side face of the wearer. I have found that even on a day that the face would not ordinarily get sun-burned, with the use of this collar 1, the face of the wearer will get sun-burned.

Another advantage of the sun-reflecting collar 1 is that in case the wearer wishes to assume a reclining position on the beach, the rear flaps 11 and 11a may be pulled away from each other and thus let the collar 1 open; or, in other words, permit the rear flaps 11 and 11a to lie in a horizontal position on the beach and just cause the forward and side segments 5 and 8a and 9 and 9a to assume an angular position, to in turn reflect the sun's rays on the face; and although the head will lie on the flaps 11 and 11a it will in no way damage the collar 1.

In other words, the collar 1 may be worn either when the wearer is in a sitting position, or it may equally as well be worn when the wearer is lying on the beach.

The collar 1 may be folded into a compact package by first turning in the flaps 11 and 11a, as shown in Fig. 5, and then folding the side segments 9 and 9a inwardly so that it will form a flat, compact package, as shown in Fig. 4.

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It will be noticed that the flaps 11 and 11a fold well within the front segment 5 and after one is folded inwardly the other will be folded over it, as it takes only a moment to remove the collar 1 when the wearer is through with the same, and fold it into a compact package.

Finally, it will be understood that the sun-reflecting collar 1 is light in weight and easy to adjust, depending on the position of the wearer.

I have found that this sun-reflecting collar 1 is efficient, and the wearer may acquire a sunburn much more quickly than without it.

It will also be seen that the sun-reflecting collar is one that may be stamped out at a relatively small cost, inasmuch as there are only two grommets and a cord used to pull up the flaps; and the grommets may be applied by a machine in a rapid manner, so the cost of assembly is relatively small.

By making the collar out of a strong cardboard, it may be folded and re-folded many times along the pre-formed creases and give relatively long service.

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

1. A sun reflecting collar substantially oblong in shape formed of one piece of stiff material with an inner reflecting covering and the collar having a relatively circular opening formed therein with a throat leading to the opening, the collar "creased to form" a relatively large segment to extend under the chin of the wearer and two oppositely smaller foldable segments, two foldable side segments creased to form two end flaps which form part of the aforementioned throat, cord means extending between the two end flaps for pulling the same in a desired position towards each other and thus cause the sun-reflecting collar to assume a funnel-like position, with the outer end being circular in top plan.

2. A sun-reflecting collar formed of relatively stiff material, the said collar divided into segments, the collar also formed with a substantially circular opening at its inner end; an outer covering, an inner reflecting covering; one of the segments being a relatively large front one, two adjacent smaller segments, two side segments, and two end flaps; means associated with the said end flaps for holding the end flaps together to cause the collar to assume a funnel-like position with the outer end being completely circular in outline and the inner end formed to completely encircle the neck, the said collar "arranged to be folded" into a relatively flat package by first folding the two flaps inwardly and then placing one of the side segments over the other side segment.

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