April 12, 1932. L. W. LEWIS 1,853,131

EAR PROTECTOR AND WIND DEFLECTOR

Filed June 18, 1931

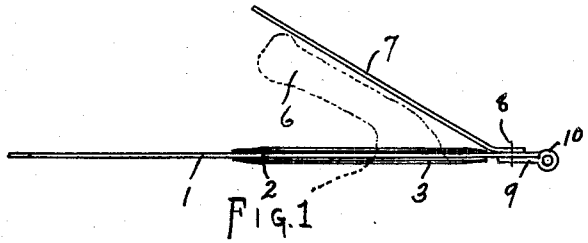


FIG. 1

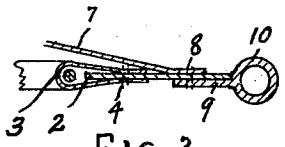


FIG 3

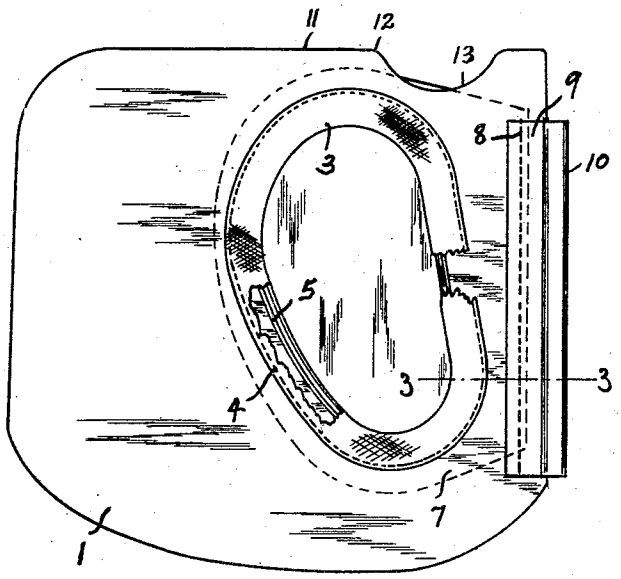


FIG. 2

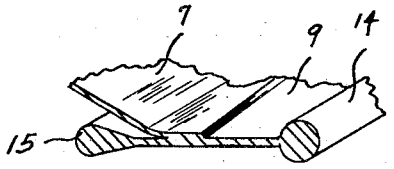


FIG 4

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UNITED STATES PATENT OFFICE

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EAR PROTECTOR AND WIND DEFLECTOR

Application filed June 18, 1931. Serial No. 545,181.

This invention relates to ear protectors and wind deflectors.

The principal object of this invention is to provide a device for the purpose of protecting the ears of those who are subjected to winds or drafts such as is common in riding in automobiles, trains, and the like.

A further object of the invention is to provide a protection for the head adjacent the ears and particularly back of the ears and the upper portion of the neck.

A further object of the invention is to provide elastic means for holding the device to the ear.

A still further object of the invention is to provide a flexible member for the purpose of forming a close contact to the side of the face in front of the ear.

The ear is one of the most delicate organs of the body. Due to the modern speed of transportation the ear is subjected to unnatural and undesirable air pressure. The ear becomes chilled due to this unnatural pressure. The inner ear often becomes injured or diseased due to these conditions. Oftentimes trouble is set up in the ear due to foreign substances or insects which are forced into the ear due to this rapid transportation.

It is believed and substantiated by many scientific men in the medical field that mastoid involvements are frequently caused by cool winds blowing against the sensitive structure of the head directly back of the ears.

Frequently winds blowing against the neck of an individual riding in vehicles of rapid transit subject them to serious ailments. It is believed that with this invention many of the ailments of the ears and parts back of the ear will be eliminated.

With the foregoing 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.

The invention is illustrated in the accompanying drawings, wherein:—

Figure 1 is a top plan view of the device in position upon an ear.

Figure 2 is a side elevation of the device with parts broken away.

Figure 3 is a cross section taken on line 3—3 of Figure 2.

Figure 4 is a detail view showing a modification of the device.

By referring to the drawings it will be seen that there is provided a base deflector member 1. This base deflector member 1 is preferably made of transparent material but may be made of any suitable material. This base deflector member 1 is provided with an opening for the purpose of allowing the device to be fitted over an ear. An edge 2 of this opening is provided with a pliable binder portion 3 which is stitched to the base deflector member 1 by means of stitches 4. Within the pliable binder portion 3 there is provided an elastic cord 5 for the purpose of holding the pliable binder portion 3 in a gripped relation to an ear 6 upon which the device is positioned.

By referring to Figure 1 it will be seen that there is secured to the base deflector member 1 a shield member 7. This is ordinarily secured to the base deflector member 1 by means of stitches 8 which pass through the base deflector member 1, the shield member 7, and through a flexible member 9 which is provided with a tubular edge 10 in order to provide means for a close contact to the side of the face in front of the ear.

By referring to Figure 2 it will be seen that there is formed upon an upper edge 11 of the base deflector member 1 at a point 12 a downwardly extended curved edge portion 13 for the purpose of providing a passageway for a cable in use in holding glasses in position.

By referring to Figure 4 it will be seen that a modification has been made wherein a section is shown similar to the section taken in Figure 3. This modification shows a device that may be made completely of rubber or any

other suitable material so that the same may be constructed without the use of stitches. An edge 14, circular in form is positioned similar to that of the tubular edge 10 and an edge 15 substituting for the pliable binder portion 3.

It is understood that the material used in constructing this device may be transparent or non-transparent as desired. The drawing shown in Figure 2 shows the base deflector member 1 and the shield member 7 made of transparent material.

What I claim is:—

In an ear protector and wind deflector, a base deflector member, an opening in said base deflector member provided with a pliable binder portion secured to the edge of said opening, an elastic cord positioned within said pliable binder portion, a shield member secured to said base deflector member, a flexible member secured to said base deflector member, a tubular edge on said flexible member for the purpose of forming a close contact to the face in front of the ear.

In testimony whereof, I affix my signature.

LAWRENCE W. LEWIS.