June 1, 1943. T. H. LARSEN 2,320,782

FOREHEAD PERSPIRATION DIVERTER

Filed May 28, 1942

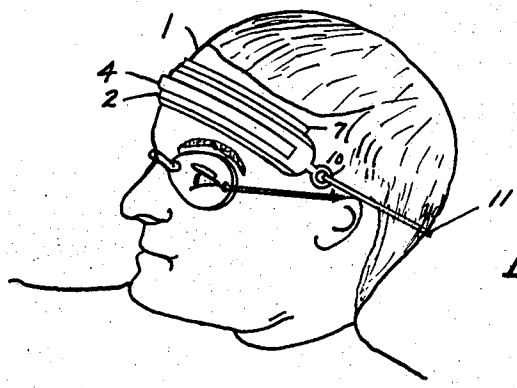


FIG. 1

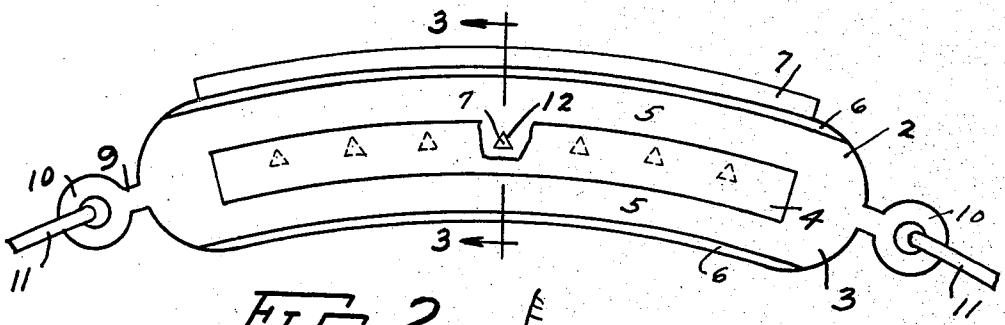


FIG. 2.

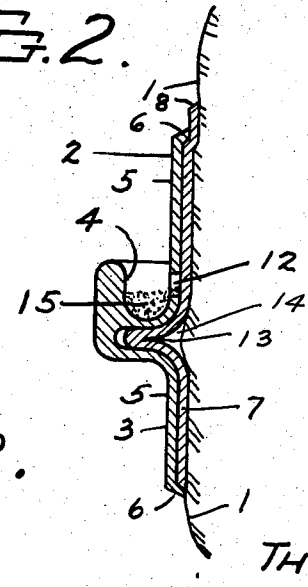


FIG. 3.

Inventor

THOMAS H. LARSEN.

By Howard J. Whelan.

Attorney

Patented June 1, 1943

2,320,782

UNITED STATES PATENT OFFICE

2,320,782

FOREHEAD PERSPIRATION DIVERTER

Thomas H. Larsen, Washington, D. C.

Application May 28, 1942, Serial No. 444,845

4 Claims. (Cl. 2—171)

This invention refers to toilet articles and more particularly to devices for absorbing perspiration and collecting grime from the forehead and for other medical purposes indicated. The invention has among its objects to provide a device of the of the nature described arranged with a structure that will prevent the moisture of perspiration from the user's head accumulating and flowing into the eyes and on the glasses, or down his cheeks; to have a removable pad capable of replacement in a quick and efficient manner without the use of holders tending to mutilate or tear same. Another object is to have the device arranged so that it can be applied with the medical purpose in mind of relieving headaches, reducing forehead, and comforting the physical parts of the head and face of the user.

A further object is to have a device satisfactorily sanitary, and adapted to receive its absorbent cushion in various adjustments to suit the particular needs of each use.

Other objects will become apparent as the invention is more fully set forth.

In the drawing which illustrates an example of this invention—

Figure 1 is a view of a device embodying this invention applied to the forehead of an individual,

Figure 2 is a front view of the device, and

Figure 3 is an enlarged sectional detail taken transversely through the device along line 3—3 of Figure 2.

Similar reference characters refer to similar parts throughout the drawing.

The device is provided with several functions not previously claimed in this art, and will be referred to in detail as the description is outlined.

In the construction used in the drawing 1, represents the head of an individual using the device 2. The device consists of a symmetrically formed clamping band 3, with gutters 4 and upper and lower flanges 5. The flanges have their edges 6 bent in slightly to hold the absorbent pad 7 more securely in any position it is placed in. The edges 8 of the pad are preferably cut on a bevel to make it set more closely against the forehead, and prevent perspiration and grime 15 from getting in back thereof to produce irritation. The clamp is formed with a dove-tail like section that enables the middle portion of the pad to be pressed in and locked, at the same time the pad may be readily removed from the clamping band. The end portions 9 of the band are formed with rings 10, through which an attaching strap or ribbon 11 can be placed to bind the device on the head of the user. Perforations 12 of triangular shape are provided in the flanges 5 slightly above the bottom of the gutter 4 to provide visual slots for observing the condition of the pad underneath, and for ventilating purposes. The pad is preferably bent in at its middle portion 13, where it is pushed into the clamp. This arrangement allows an air space 14 to intervene as the pad presses against the forehead and reduce the surface contact on the flesh without reducing the effectiveness of the pad.

When the device is in place, the perspiration and grime reaching the exposed upper edge of the pad is slightly absorbed and the balance is diverted into the gutter 4, without allowing it to get in back of the pad and cause irritation to the skin underneath: Any perspiration that reaches the clamp will be caught in the gutter 4 and stored until it reaches the level of the perforations 12 and passes into the lower end of the pad. The perspiration collected in the gutter may also be disposed of, by a slight toss of the head of the wearer. The pad remains in place within the clamping band by reason of the bent-in edges 6 and bent middle portion 13, that hold it securely, especially when the device is on the head of the user. The pad serves to relieve headaches by reason of its head retaining qualities which normalize the muscles and blood vessels underneath, without the need of liniments or other medical compounds. Should such compounds be required, they can be applied to the pad and held there by its absorbent action. The lower edge 5 of the band serves to compress the pad at that location and hold the contents more effectively. The inner recess 13, formed by the pad also facilitates in this function, and creates a partial vacuum that makes the pad more sponge-like, if the usual fabrics are used.

While but one general form of the invention is shown in the drawing, it is not desired to limit this application to this particular form or in any other way otherwise than limited by the scope thereof, as it is appreciated that other forms could be made that would use the same principles and come within the scope of the appended claims.

Having thus described the invention, what is claimed is:

1. A forehead protector of the class described comprising in combination, a pad of absorbent material, a clamping band having a symmetrical form with a portion bent to receive and hold the middle portion of the pad, and means for

attaching the band and supporting it on the head of an individual.

2. A forehead protector of the class described comprising in combination, a pad of absorbent material, a clamping band having a symmetrical form with a portion bent to receive and hold the middle portion of the pad, and means for attaching the band and supporting it on the head of an individual, flanges attached to the band, means on the flanges for pressing into the pad for holding it in place.

3. A forehead protector of the class described comprising in combination, a pad of absorbent material, a clamping band having a symmetrical form with a portion bent to receive and hold the middle portion of the pad, and means for attaching the band and supporting it on the head of an individual, flanges attached to the band, means on the flanges for pressing into the pad for holding it in place, gutters on the clamp.

4. A forehead protector of the class described comprising in combination, a pad of absorbent material, a clamping band having a symmetrical form with a portion bent to receive and hold the middle portion of the pad, and means for attaching the band and supporting it on the head of an individual, flanges attached to the band, means on the flanges for pressing into the pad for holding it in place, gutters on the clamp and perforations provided in the flanges aligned above the inside of the gutter.

THOMAS H. LARSEN.