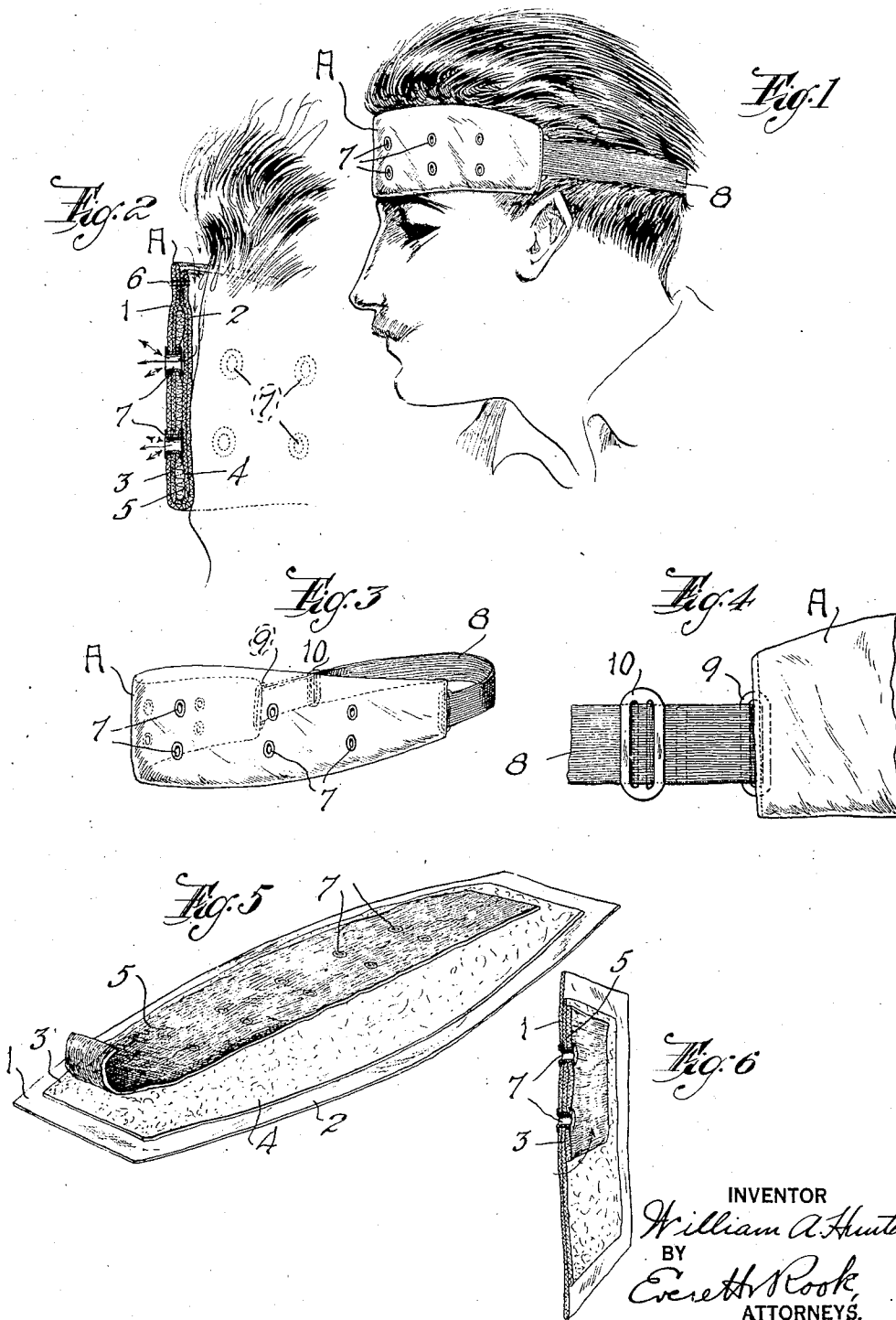


June 28, 1927.

1,633,586

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SUDATORY RECEPTOR PAD

Filed Oct. 9, 1922



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SUDATORY RECEPTOR PAD.

Application filed October 9, 1922. Serial No, 593,252.

This invention relates in general to a sudatory receptor and more particularly to a pad, or the like, to be applied to the part of the anatomy which it is desired to relieve of perspiration.

The primary objects of the invention are to provide a pad of this character by means of which perspiration is constantly and quickly absorbed or collected from the body and dissipated and evaporated so that the pad is always in a substantially dry condition.

Another object of the invention is to provide such a device which is sanitary, can be easily cleansed, and will effectively operate indefinitely and repeatedly.

Further objects of the invention are to provide a sudatory receptor including an absorbent material pad to collect perspiration from the body and distribute it throughout the pad, said pad being so constructed that a constant circulation of air is permitted therethrough to evaporate the moisture therein; to thus provide such a pad including a plurality of layers of thicknesses of absorbent material, and a plurality of openings or eyelets extending from one of the outermost layers into the pad to permit a circulation of air into the interior thereof; to provide a sudatory absorbent pad so constructed that only a portion thereof contacts with the body and collects or absorbs perspiration therefrom and distributes it throughout the pad, the non-contacting portion of the pad being spaced from the body to permit a circulation of air between said portion and the body, and to obtain other results and advantages as may be brought out by the following description.

For the purpose of illustrating the principles of the invention I have shown in the accompanying drawing a pad embodying my invention adapted to be applied to the forehead, this form of pad being particularly designed for athletes, such as tennis players, to prevent perspiration from flowing into the eyes, interfering with vision and otherwise producing discomfort. It will be understood, however, that my invention may be embodied in many other forms, for instance wrist pads for draftsmen, etc., without departing from the spirit or scope of the invention.

Referring to said drawings in which the same numerals of reference indicate cor-

responding and like parts throughout the several views,

Figure 1 is a perspective view of a device embodying my invention adapted to be applied to the forehead and showing the manner of using the same;

Figure 2 is an enlarged transverse sectional view through the device showing the same applied;

Figure 3 is a detached perspective view of the device;

Figure 4 is an enlarged fragmentary side elevation of one end of the pad and the attaching strap;

Figure 5 is a perspective view of the superposed layers of material before the same are formed into the pad, and

Figure 6 is a similar view showing the layers of material and the eyelets in transverse section.

In the embodiment of my invention shown on the drawing the reference character A designates the pad which is shown of five layers or thicknesses of absorbent material. In the present instance the two outermost layers 1 and 2 are preferably of some fine texture fabric, such as cotton fabric, while the next inner layers 3 and 4 are preferably of loose texture flannel cloth. The innermost layer 5 is also of flannel cloth preferably of an extremely coarse weave. The pad may be formed in any suitable manner, but in the present instance I have shown the outermost layers 1 and 2 formed of a single piece of material returned upon itself and having its edges sewed together as at 6. The next inner layers 3 and 4 are also formed of a single piece of material returned upon itself and also having its edges secured by the stitches 6. The innermost layer 5 comprises a single strip of material interposed between the layers 3 and 4.

The respective layers of the pad are loose with respect to each other, and the layers 1 and 3 on one side of the pad and the layer 5 are provided with perforations which in the present instance are in the form of a plurality of eyelets 7. With this construction air may circulate through the perforations 7 into the interior of the pad.

In the present instance the pad is shown of a length and width sufficient to cover the forehead of the user, and one edge thereof is substantially straight while the other edge is curved from the center of the pad toward

the opposite ends. The pad is thus narrower at its ends than at its center.

A suitable strap or tape 8 is attached to the pad for securing the same to the wearer. The said strap 8 is preferably elastic and has one end thereof secured to one end of the pad. The other end of the strap is passed loosely through an eye 9 secured to the other end of the pad and is connected to an adjusting buckle 10 for adjusting the length of the strap.

In the use of the pad shown and described, the pad is applied to the forehead of the user with the straight edge disposed slightly above the eyes and with the eyelets 7 outermost and the tape extending around the back of the head and holding the pad in said position, it being understood that the tape 8 is first adjusted by the buckle 10 so that the pad and tape are of just a sufficient circumference to snugly encircle the head of the wearer. It will be noted that the tension of the strap 8 is applied adjacent the straight edge of the pad so that said edge snugly engages the forehead while the other or curved edge of the pad is held in a spaced relation to the upper portion of the forehead, as clearly shown in Figure 2.

The perspiration from the forehead of the user is absorbed by the layers 2 and 4 adjacent the forehead, said layers distributing the perspiration throughout the area of the pad. The air circulates into the interior of the pad through the openings 7 so that the moisture in the layers adjacent the forehead is evaporated by the air. Air may also circulate from the upper edge of the pad in the space between the same and the forehead to further evaporate the moisture in the pad. Due to the constant and uniform evaporation of the moisture in the pad, the pad remains in a substantially dry condition and never becomes saturated. The pad may be thor-

oughly washed without in any way affecting its operation, and can thus be maintained in a sanitary condition and is capable of indefinite and repeated use. The pad is also soft and light and the tension on the strap 8 may be so adjusted that the wearer is not conscious of the pad upon his forehead.

Obviously, many modifications and changes can be made in the detail construction of the pad and the materials used therein without departing from the spirit or scope of the invention, and therefore I do not desire to be understood as limiting myself except as required by the following claims when construed in the light of the prior art.

Having thus described the invention, what I claim is:

1. A device of the character described, including a pad formed of absorbent material, said pad having one longitudinal edge substantially straight and the other longitudinal edge converging from its center toward the ends of said first-mentioned edge, and means secured to the ends of said pad adjacent said straight edge for securing the pad in position, whereby tension on said securing means holds said straight edge in snug engagement with the body and the other edge in spaced relation to the body.

2. A device of the character described, including a pad formed of absorbent material, said pad having one longitudinal edge substantially straight and the other longitudinal edge converging from its center toward the ends of said first-mentioned edge, and an elastic strap connected to the ends of said pad for securing the same in position, whereby tension on said elastic strap holds said straight edge in snug engagement with the body and the other edge in spaced relation to the body.

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