

Sept. 28, 1943.

M. R. OESTREICH

2,330,731

SKI FOOT PAD

Filed March 19, 1942

Fig. 1.

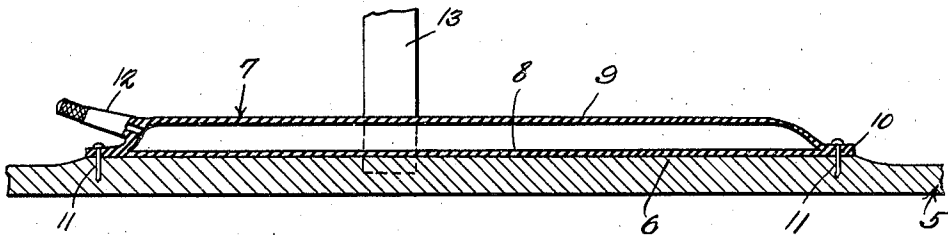


Fig. 2.

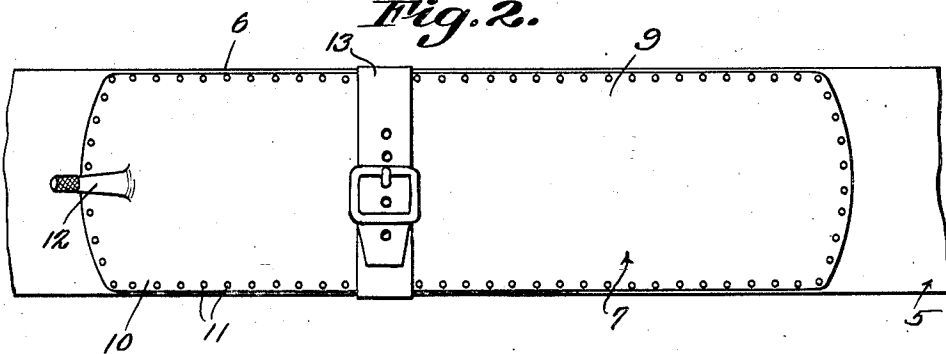
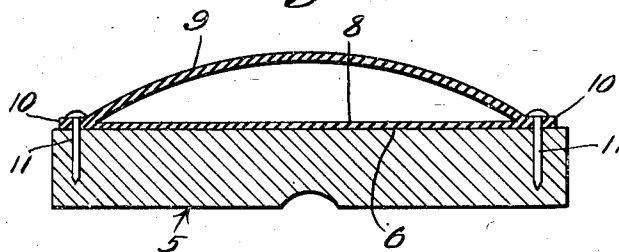


Fig. 3.



M. R. Oestreich

INVENTOR.

BY *Chas. H. Brown*

UNITED STATES PATENT OFFICE

2,330,731

SKI FOOT PAD

Melvin R. Oestreich, Wright, Minn.

Application March 19, 1942, Serial No. 435,408

1 Claim. (Cl. 280—11.14)

This invention relates to a pneumatic pad designed for use on skis, the primary object of the invention being to provide a cushion on which the foot of the skier rests, when strapped to a ski, thereby cushioning the movements of the ski with respect to the foot, for the comfort of the skier.

An important object of the invention is to provide a device of this character which will prevent the collection of snow and ice on the upper surface of the pad, the movement of the upper surface of the pad acting to dislodge the snow and crack or break the ice which may collect thereon, to cause the ice to fall from the pad.

Another object of the invention is to provide a pad of this character which may be readily and easily secured to the foot-rest of a ski, by suitable securing means such as nails, screws, glue or the like.

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 claim, 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.

Referring to the drawing

Figure 1 is a longitudinal section through the foot portion of a ski, illustrating a pad constructed in accordance with the invention, as secured thereon.

Figure 2 is a plan view thereof.

Figure 3 is a transverse sectional view through the pneumatic pad, illustrating the upper curved surface thereof.

Referring to the drawing in detail, the reference character 5 designates a ski runner, and the reference character 6 designates the foot-rest of the runner, which is usually constructed by forming the runner with a thickened portion at a point substantially intermediate the ends thereof.

The pad forming the essence of the present invention, is indicated generally by the reference character 7 and includes a flat bottom portion 8 which is of a length and width to cover the foot-rest portion 6 of the ski, as clearly shown by Figure 1 of the drawing.

The top of the pad is indicated by the refer-

ence character 9 and is preferably formed as an integral part with the bottom portion 8, there being provided a marginal flange 10 which rests flat on the foot-rest portion 6, where it may be secured by means of nails such as indicated at 11. While I have shown nails as a means of securing the pad in position, it is to be understood that cement or other suitable securing means may be employed in this capacity, without departing from the spirit of the invention.

The top of the pad is slightly curved, as clearly shown by Figure 3 of the drawing, and is spaced from the bottom portion 8, so that the pad may be inflated and the top of the pad held in spaced relation with the bottom portion, by pressure.

A valve indicated at 12 is provided at one end of the pad, whereby a pump or hose from a suitable source of air supply may be permitted to inflate the pad.

The foot strap indicated at 13 may be secured to the ski runner in the usual and well known manner, preferably near the toe of the foot-rest, so that the rear portion of the ski will hang free.

From the foregoing it will be seen that due to the construction shown and described, the top of the pad is curved, and capable of flexing, so that movement between the ski runner and foot of the skier, will be permitted which will tend to break ice which may collect on the upper surface of the top 9, whereupon the ice will fall therefrom.

While I have shown and described the pad as especially designed for use on a ski runner, it is to be understood that the pad may be effectively employed on car steps, door steps or the like, wherein snow and ice ordinarily would collect.

What is claimed is:

A pneumatic foot-rest for skis, comprising a body constructed of rubber material and comprising a flat bottom of a width to cover the foot-rest portion of the ski and lie flat on the foot-rest portion of the ski, an upper section constructed of rubber material and being curved transversely, a valve through which air enters the body inflating the body, and a marginal flange forming a continuation of the bottom and upper section, and through which securing nails are driven, securing the body in position on a ski under the foot of the wearer.

MELVIN R. OESTREICH.