

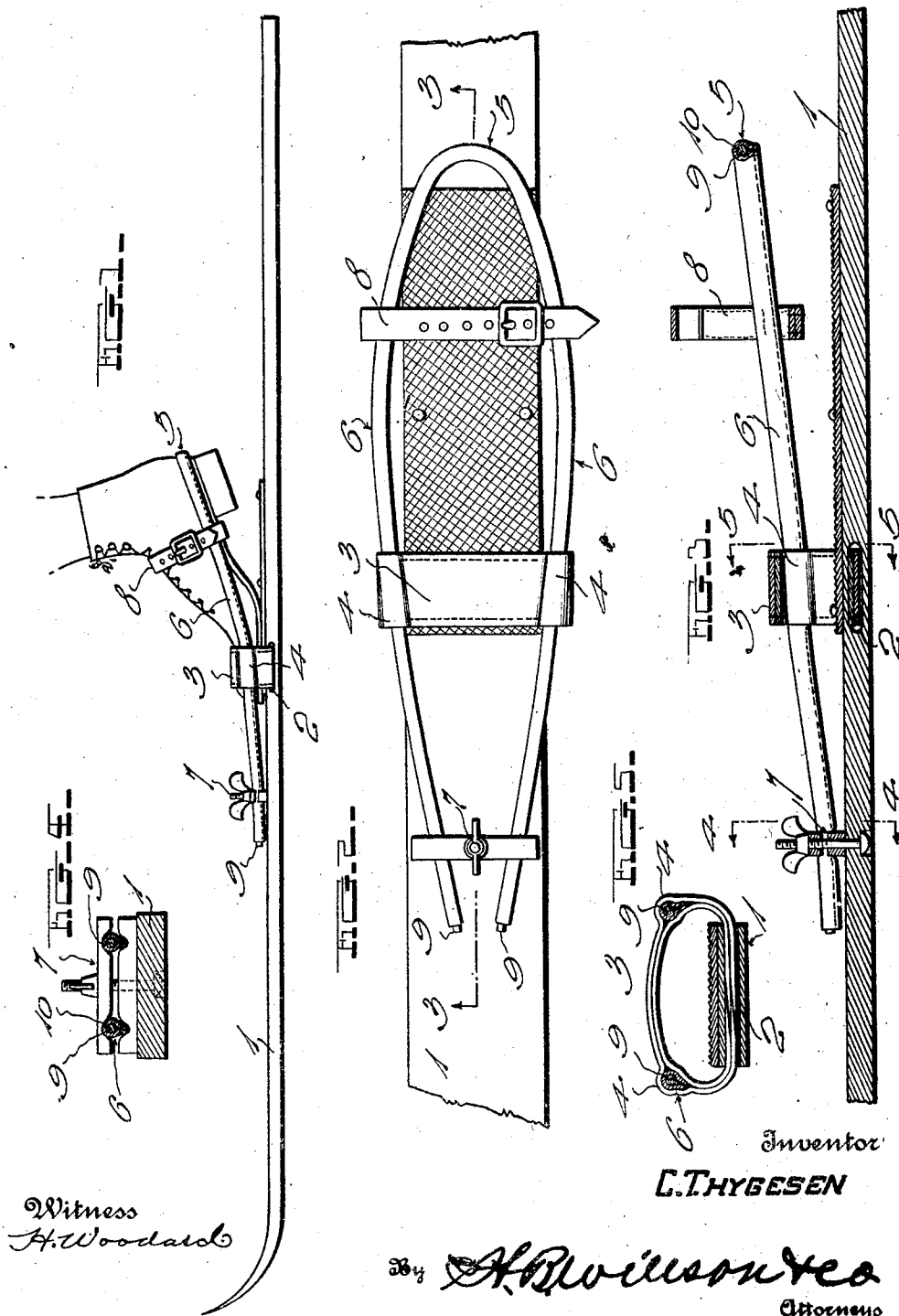
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C. THYGESEN

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UNITED STATES PATENT OFFICE.

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SKI.

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To all whom it may concern:

Be it known that I, CHRISTEN THYGESEN, a citizen of the United States, residing at Marlboro, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Ski; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in ski and other forms of snow shoes, and has reference more particularly to means for attaching the ski or the like to the user's foot.

It is the object of the invention to provide an exceptionally inexpensive, yet an efficient and desirable attaching means, embodying a U-shaped yoke which embraces the user's foot, is held in engagement with his heel, and passes through guides on a transverse strap through which the toe of the user's shoe is inserted, the arms of the yoke being secured to the ski or the like, and having no fixed points of flexure, so that they may yield in any direction in which the user's foot yields and will consequently permit free unhampered movement of the foot.

With the foregoing in view, the invention resides in the novel subject matter hereinafter described and claimed, the description being supplemented by the accompanying drawing.

Figure 1 is a side elevation showing a ski embodying my invention.

Figure 2 is an enlarged plan view of the attaching means.

Figure 3 is a longitudinal sectional view as indicated by line 3—3 of Fig. 2.

Figures 4 and 5 are vertical transverse sectional views on lines 4—4 and 5—5 of Fig. 3.

In the drawing above briefly described, the numeral 1 designates a ski of common formation, said ski having a slot 2 formed transversely therethrough, from edge to edge. A continuous toe strap 3 passes through this slot and is provided with a pair of guides 4 over the edges of the ski 1. A substantially U-shaped, foot-embracing yoke 5 is provided, the arms 6 of said yoke being passed through the guides 4, and being secured at their front ends to the ski 1, by a suitable clamp or the like 7. The rear end of this yoke 5 is adapted to be held in contact with the user's heel, for which pur-

pose, an instep strap 8 is shown, connected with the arms 6.

In order that the yoke 5 may be adjusted for use by people wearing shoes of different sizes, the yoke arms 6 may be adjusted through the guides 4, in the present disclosure, when the clamp 7 is loosened, and said arms may again be tightly held by tightening said clamp.

Attention is directed to the fact that the arms 6 have no fixed points of flexure, but are of resilient nature throughout their lengths so that they may freely spring with the movements of the user's foot, in numerous directions, permitting unhampered foot movement.

In the preferred form of construction, the yoke 5 consists of a single length of rattan or other desired material, as indicated at 9, this length of rattan or other rod which may be used, being preferably covered with leather as indicated at 10.

It will be seen from the foregoing that the invention is simple and inexpensive, yet that it is very effective and exceptionally desirable.

As excellent results are obtainable from the details disclosed, they are preferably followed, but within the scope of the invention as claimed, numerous minor changes may be made.

I claim:

A snow shoe comprising a body having a transverse slot between its top and bottom, a transverse continuous toe strap passing through said slot and having a fixed invariable circumferential dimension, said toe strap having guide loops over the edges of the aforesaid body, a one-piece U-shaped foot-embracing resilient rod having its arms passed slidably through said guide loops, said arms having no fixed points of flexure but being resilient throughout their lengths for yielding in numerous directions with the user's foot, a transverse clamp securing the front ends of said arms adjustably and non-pivotally to said body in front of said toe strap, and an instep strap connected with said yoke arms but not with said body, said instep strap being adapted for connecting the arms of the rod with the user's foot to yield vertically with the rear portion of the latter.

In testimony whereof I have hereunto affixed by signature.

CHRISTEN THYGESEN.