Dec. 14, 1948. C. JONETTE 2,456,002

SKI BRAKE

Filed Nov. 8, 1946

Fig. 1.

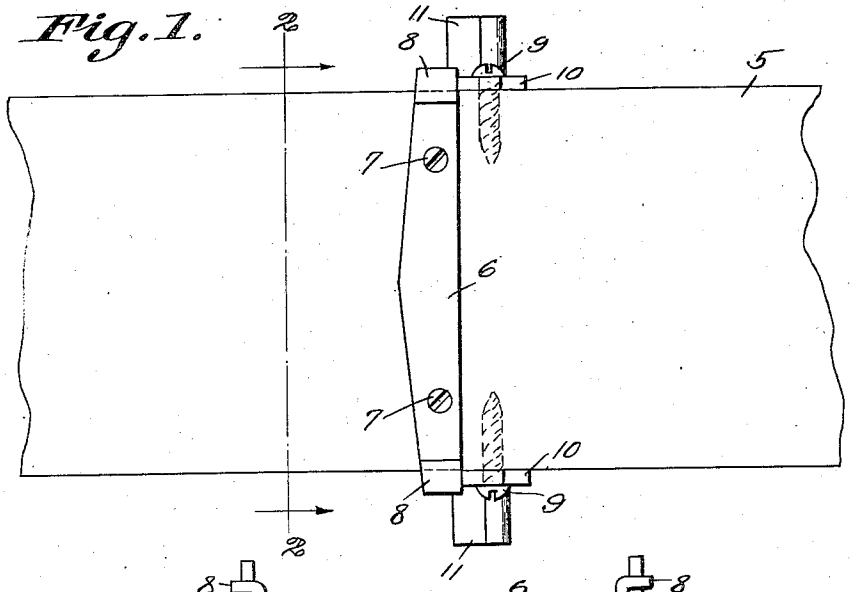
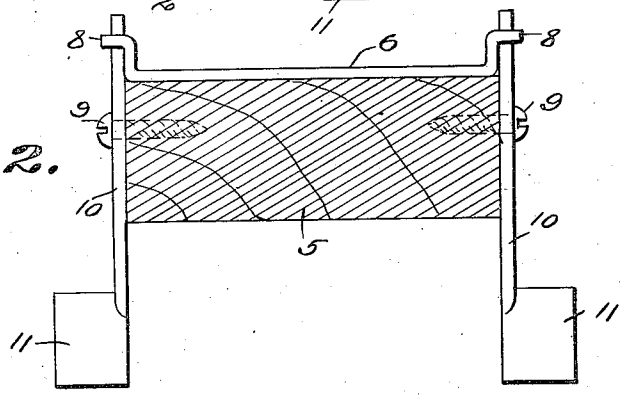


Fig. 2.



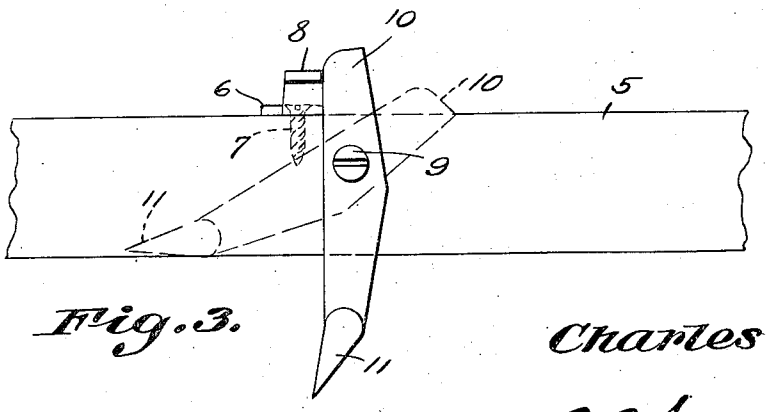


Fig. 3.

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SKI BRAKE

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1 Claim. (Cl. 280—11.13)

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This invention relates to improvements in attachments for skis, and has particular reference to attachments of this type designed to prevent backward movement of the skis while the skier is climbing a slope.

The primary object of the invention is to provide an effective attachment of this type which will give the skier the needed assistance mentioned above, at the same time permitting forward movement without a retarding effect on the part of the attachment.

Another important object of the device is to provide an attachment of this character which is simple in construction, easily assembled, inexpensively manufactured, and which will, nevertheless, fulfill all the necessary functions of attachments of this type.

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 the parts without departing from the spirit of the invention as claimed.

Referring to the drawing:

Figure 1 is a top plan view of the invention mounted upon a ski, the ski being partly cut away.

Figure 2 is a sectional view taken on line 2—2, of Figure 1, looking in the direction of the arrows, the device being shown in operative position.

Figure 3 is a side elevation of the device mounted upon a ski, the ski being partly cut away, and the device being shown in operative position, the dotted line showing the device in the position assumed thereby, during the forward movement of the ski.

Referring to the drawing in detail, the device is affixed to a ski 5, preferably a short distance forward of the ski harness, in order to eliminate the possibility of interference between the harness or the skier's boots, and the device. The device embodies a flat base plate 6, which is fixedly secured to the top of the ski 5 by screws 7 or like securing means, the said base plate having raised ends forming transversely alined stop projections 8 which extend laterally and horizontally beyond the sides of the ski.

The invention further embodies flat blade members pivotally mounted on the sides of the ski 5 by screws 9 or the like, said blade members comprising arms 10 having sides parallel to the sides of the ski 5 and disposed edgewise of the base plate. Said blade members are also formed with wide blades 11 at their lower ends, the sides of which are disposed at right angles to the sides of the arms 10. These blades 11 are, in addition, angled rearwardly to a slight degree, and have straight sharp lower edges.

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When the blade members are in their vertical positions, the arms 10 have their upper ends projecting above the top of the ski 5, with the rear edges of said upper ends in edgewise contact with the stop projections 8, formed at the ends of the base plate 6, the blades 11 projecting below the bottom of the skis. The vertical position of the blade members is their operative position, and this position is automatically assumed whenever the ski 5 begins to slip backwardly. In such an eventuality, the sharp lower edges of the blades 11 become automatically engaged with the snow, and prevent further rearward movement of the ski 5. Upon becoming so engaged, the blade member is halted in a vertical position by reason of its upper end being brought into contact with the stop projection 8.

During forward movement of the ski, the blade 11 remains retracted as indicated by the broken lines in Figure 3. In this connection, it should be noted that the blade member is mounted above its center of balance, so that the lower part overbalances the upper part, thereby causing the blade 11 to remain adjacent to the snow surface during forward movement of the ski 5, in ready position to become engaged in the event of backward movement of the ski.

What is claimed is:

A device for preventing the backward movement of skis embodying a flat one piece base plate fixedly secured to the top of a ski and laid flatwise thereon, the ends of the base plate being laterally extended beyond the sides of the ski whereby one edge of each end will constitute a stop, flat blade members pivotally mounted on the sides of the ski and disposed flatwise of said sides, the lower ends of the blade members overbalancing the upper ends, the upper ends of the blade members extending above the top of the ski for edgewise engagement between the stops and blade members when the blade members are swung in one direction, and wide blades rigid with the lower ends of the blade members and disposed in plane perpendicular to the planes of the blade members, the blades having straight sharp lower edges for engagement with a supporting surface.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,345,988	Brager et al.	July 6, 1920

FOREIGN PATENTS

Number	Country	Date
21,919	Norway	Dec. 27, 1911
372,287	Italy	June 23, 1939