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(54) **ADJUSTABLE SKI CARRIER WITH WAIST STRAP**

(57) Provided is the adjustable ski carrier with stability waist strap which is suitable for carrying skis. Skis are heavy and inconvenient when carried by hand. The adjustable ski carrier with stability waist strap will be available in different sizes making it suitable for individuals of all ages, sizes, and experience level. When the skis are not in use, they can be placed in the adjustable ski carrier with stability waist strap and worn across the body to free the hands to perform other tasks.

The adjustable ski carrier with stability waist strap comprises of an adjustable body strap attached to a waist strap with D-ring. A bindings sack with a hole in which the skis can be inserted is attached to the adjustable ski carrier with a metal clasp.

The adjustable ski carrier with stability waist strap along with the bindings sack can be buckled securely and worn across the body so that the skis in the bindings sack rest comfortably against the shoulder and supported by the hand of the individual as desired.

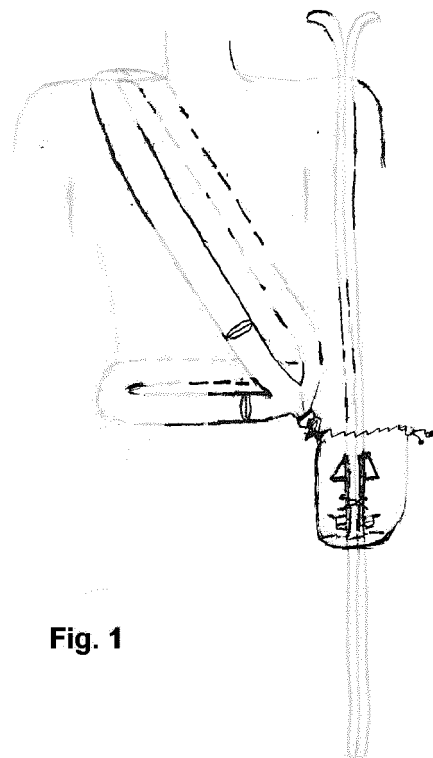


Fig. 1

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Description

[0001] The present subject matter relates to the invention of an adjustable ski carrier that is wearable across the body with a stability strap worn around the waist.

[BACKGROUND OF THE INVENTION]

[0002] The concept behind the invention of an adjustable ski carrier with a stability waist strap is to provide flexibility, ease, and comfort, as well as keeping the hands free when carrying heavy skis.

[0003] Skiing is a favorite recreational sporting activity for millions of people during the winter months. As its popularity and accessibility increases to a broader population, the need to accommodate a wider range of people with physical inabilities, limitations, and need for comfort is increasing.

[0004] There have been inventions to make the ski boots more comfortable when walking by adding ski or walk mode, making them more padded and flexible, also, the jackets to have pocket on the forearm for the ski pass to be easily scanned, as well as Velcro strap that binds the skis together when not in use. These attempt to increase comfort for when the skier is not actually skiing, which for the most part they do, however, they fall short of addressing the real issue, which is the weight and bulkiness of the skis themselves. Skis are designed and intended to be used on the slopes, therefore a practical solution for carrying the weighty and cumbersome skis to and from the slopes is needed. This invention provides such a solution.

[DRAWBACKS WITH CURRENT METHOD]

[0005] The current method for carrying skis has the following drawbacks:

First of all, skis are long, heavy, and cumbersome to carry. In addition to clasping them together at the bindings, they sometimes need to be held together by a strap so they don't pull apart.

[0006] Secondly, it's difficult to multi-task when carrying the skis. Purchasing tickets for the ski lifts, public transport, getting snacks, and such the like, require skiers to find a wall, or stand, or similar to rest the skis against to free their hands.

[0007] Thirdly, children find the task of carrying their own skis very challenging. Small children generally do not have the physical strength to carry their own skis. They have difficulties walking in the ski boots and on the snow, this means an adult must carry the skis in addition to their own ski gear and poles.

[0008] Fourthly, after putting on all the ski gear including helmet and ski shoes, walking from the slippery parking lot to the entry of the some ski resorts can range in distance from a few meters to a few hundred meters. The skiers would have carried the heavy skis on his or her shoulder or in the hand the entire duration. After a long

day on the slopes, the skiers must once again carry the heavy skis in the hands or on the shoulders.

[0009] Fifthly, individuals who make use of available public transport when commuting to and from the ski resorts, face challenges of walking long distances with the skis on their shoulders. The same is true for individuals who enjoy a single day trip to the slopes and return home after a day of skiing.

[0010] Sixthly, the skis have filed edges to help the skis glide through the snow, however, these are dangerous for children and new skiers because they can injure the palm of the hands if the skis are not handled carefully.

[0011] And finally, skis should not be placed on rough surfaces because the skis could get scratched, and damages can occur to the surface or edges that make contact with the snow. Dents or deep scratches will negatively affect the performance of the skis and could put the skier in danger.

[SOLUTION]

[0012] It is the purpose of the invention to create a ski carrier to overcome and solve the above mentioned drawbacks.

[0013] The adjustable ski carrier with stability waist strap is lightweight and strong enough to carry one pair of skis. Skiers are accustomed to carrying their skis on top of their shoulders. This invention takes this into account and provides freedom of movement to skiers.

[0014] The adjustable ski carrier is wearable across the body with a stability strap that is worn around the waist so that the weight of the skis rests to one side of the body and is supported by the hand and opposite shoulder. This will ensure the skis do not interfere with head range of motion compared to carrying them on the shoulder or vertically down the back, and will not impede on the walking mobility of the individual.

[DESCRIPTION OF THE DRAWINGS]

[0015] A referenced drawing shows the invention of the adjustable ski carrier with stability waist strap, in which:

Fig. 1 shows the ski carrier with a pair of skis along the side of the body of the skier,

Fig. 2 shows the detailed components of the ski carrier,

Fig. 2 (1) Shoulder strap: This strap rests comfortably from the shoulder to the waist diagonally against the body. The strap is sturdy enough to support the weight of one pair of skis.

Fig. 2 (2) Adjusting strap buckle: For the shoulder strap to be able to fit various body types and sizes, the shoulder strap is adjustable, which al-

allows the skier to adjust the length of the shoulder strap to the desired comfort. Another feature of the buckle is that it easily opens and closes, allowing the individual to quickly attach and detach the carrier to and from the body.

Fig. 2 (3) D-ring: Used for connecting the bindings sack to the shoulder strap to make the carrier into one unit.

Fig. 2 (4) Stability waist strap with buckle: Used for attaching around the waist of the skier. This distributes the weight of the skis around the core of the skier and allows for stability while balancing the skis with the hand or resting against the shoulder. An adjustable strap buckle allows for easy open and closing of the carrier as well as making it easy to fit skiers of various sizes.

Fig. 3 shows the components of the bindings sack,

Fig. 3 (5) Metal clasp or hook: Used to secure the bindings sack to the shoulder strap.

Fig. 3 (6) Sewing along the side of the bindings sack: This provides additional strength to the sack where the hook is attached and helps to resist tearing.

Fig. 3 (7) Smooth protective layer: At the base of the bindings sack is a smooth protective layer of material that will not scratch the ski edges or base of the bindings while in the bindings sack.

Fig. 3 (8) Hole: At the base of the bindings sack is a hole that allows the back ends of the skis to pass through. This hole also allows for melted ice and snow to be eliminated from the bindings sack.

Fig. 3 (9) Drawstring: This drawstring tightly holds the skis in place so that they function as one unit in the bindings sack. The skier is able to tighten and loosen the drawstring as desired. This drawstring replaces the need for a separate Velcro band to bind the skis.

[USE AND STORAGE OF THE ADJUSTABLE SKI CARRIER WITH STABILITY WAIST STRAP]

[0016] The adjustable ski carrier with waist strap will be available in different sizes making it suitable for individuals of all ages, sizes, and experience level. The carrier is used for carrying one pair of skis. When the skis are not in use, i.e. not bound to the ski boots, they can be placed in the adjustable ski carrier and carried across the body to free the hands. The adjustable ski carrier with stability waist strap allows the skis to rest gently against

the shoulder, so that the weight of the skis is primarily supported by the waist strap. The individual can also support the skis with the hand, if desired.

[0017] Before entering the gondola, the individual will easily remove the skis from the bindings sack, place the skis in the gondola rack or holder, and store the lightweight ski carrier in a pant or jacket pocket.

10 Claims

1. A ski carrier comprising of an adjustable shoulder strap with a D-ring worn from the shoulder to the waist diagonally against the torso; an adjustable stability waist strap with buckle for attaching around the waist; and a bindings sack with a metal clasp or hook used for securing it to the shoulder strap.
2. A ski carrier where the adjustable waist strap stabilizes the weight of the skis when attached around the waist with the buckle.
3. A ski carrier defined in Claim 1 wherein the bindings sack comprises of a metal clasp that hooks to the D-ring of the shoulder strap.
4. A ski carrier according to Claims 1 and 3 where the bindings sack comprises of a drawstring that tightly holds the skis in place so that they function as one unit.
5. A ski carrier defined in Claims 1, 3 and 4 wherein the bindings sack has a hole at the base that allows the back ends of the skis and melted snow/ice to pass through.
6. A ski carrier according to Claim 1 wherein said adjustable shoulder strap comprises of a buckle that easily opens and closes.
7. A ski carrier according to Claim 1 wherein said adjustable waist strap comprises of a buckle that easily opens and closes.
8. A ski carrier according to Claims 1, 2, 6, and 7 wherein said adjustable waist strap and shoulder strap can be adjusted to waist and torso measurements of the individual.
9. A ski carrier defined in Claim 8 wherein the adjustable shoulder and waist straps buckles are used to quickly attach and detach the carrier to and from the body.
10. A ski carrier defined in Claims 1 to 9 wherein the individual carries the skis without using the hands.
11. A ski carrier according to Claim 10 wherein the carrier

is suitable to carry one pair of skis.

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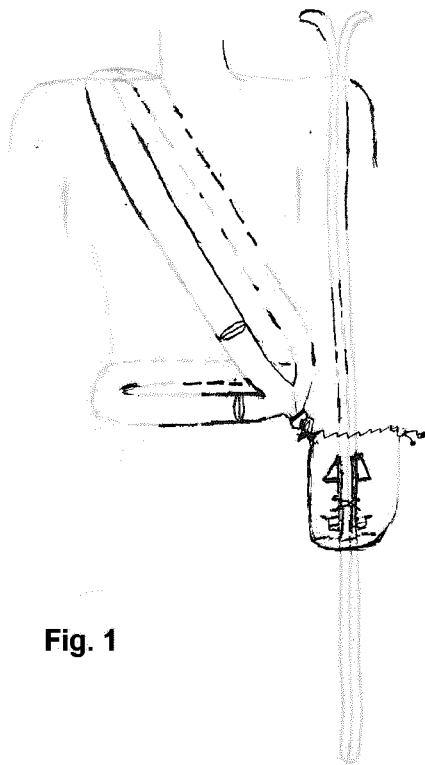


Fig. 1

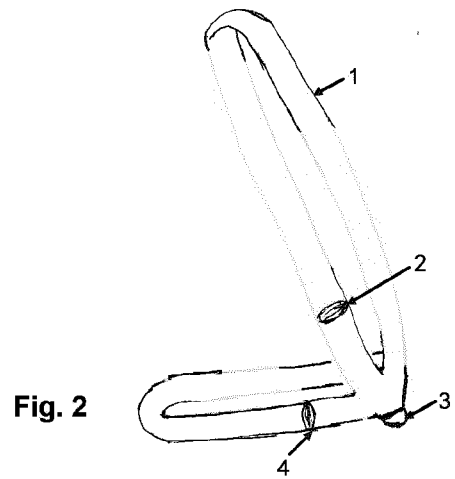


Fig. 2

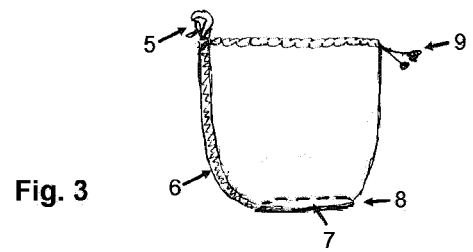


Fig. 3



EUROPEAN SEARCH REPORT

Application Number

EP 22 19 4991

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EPO FORM 1503 03.82 (P04C01)

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			TECHNICAL FIELDS SEARCHED (IPC)
			A63C
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 28 February 2023	Examiner Murer, Michael
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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28-02-2023

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