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BAG FOR CARRYING AND STORING SKIS

Filed Oct. 7, 1963

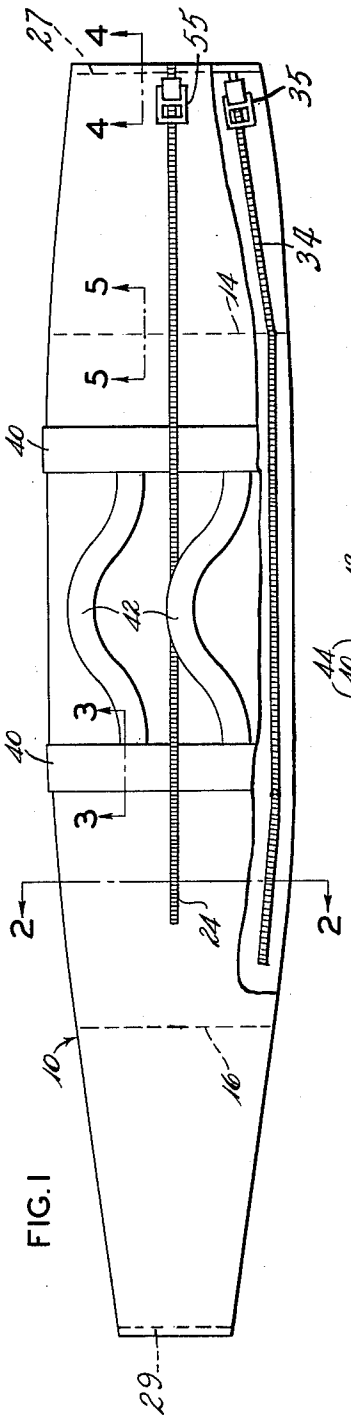


FIG. 1

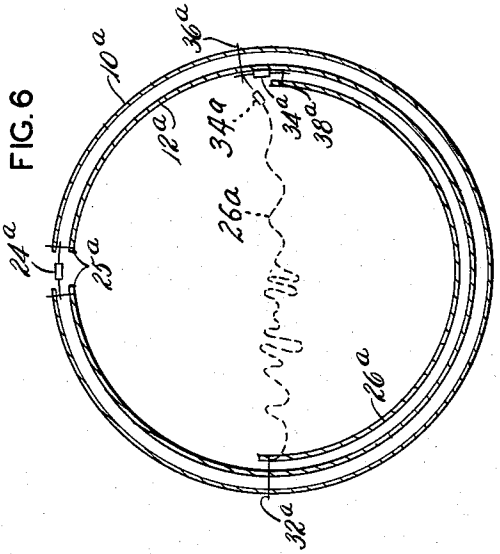


FIG. 6

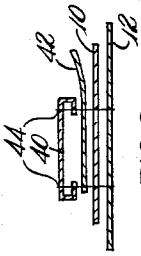


FIG. 3

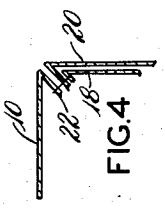


FIG. 4



FIG. 5

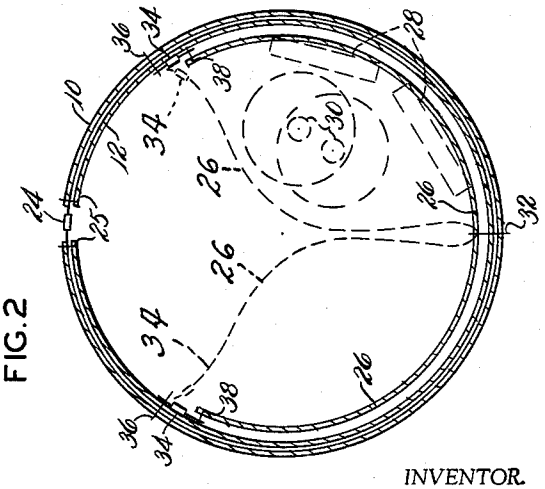


FIG. 2

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BAG FOR CARRYING AND STORING SKIS

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This invention relates to a flexible bag for facilitating the transporting and storing of skis and ski poles.

A good pair of skis is relatively expensive, so that it is desirable to adequately protect them during storage and transportation. However, skis and ski poles are of such an awkward shape and size, and have cutting edges, so that it becomes difficult to adequately protect them. It has been the usual practice to carry skis in a car top rack wherein each ski, or each pair of skis, is individually held. Such racks, however, normally leave the skis exposed to the weather, which is not desirable. Moreover, such car top racks do not adapt to the skis to storage, when skiing is out of season. Additionally, carrying the skis to and from the car from a place of storage or from the ski slopes means that the skis are not properly protected at this time. Patricularly is ski storage and transportation a problem for skiers who participate in races of various types wherein more than one set of skis and poles may be required for best performances.

It is the general object of the present invention to avoid and overcome the foregoing and other difficulties of and objections to prior art practices by the provision of an improved relatively inexpensive bag for carrying and storing more than one set of skis and poles.

Another object of the invention is to provide a ski and pole bag which quickly receives the skis and poles, and which is readily removed therefrom.

Another object of the invention is the provision of a bag of the character described which protects, without shearing, the cutting edges of the skis.

Another object of the invention is to provide a ski and pole bag which can be utilized to protect the skis during storage, during carrying on a car, and during the carrying of the skis and poles to and from the car, the bag facilitating the carrying of the skis by the skier, and the bag folding up into a relatively small package or roll when removed from the skis and poles.

The foregoing objects of the invention, and other objects which will become apparent as the description proceeds, are achieved by a bag for transporting or storing skis and poles including a flexible substantially cylindrical body of fabric, a lining of water-proofed fabric extending over at least the central portion of the body, compartment forming partition means of flexible fabric longitudinally secured along one edge inside the body to divide the bag longitudinally into separate compartments, fastener means operable from inside the body for releasably fastening the other edge of the partition means to the inside of the body, fastener means extending longitudinally of the body over a major portion of the body and releasably closing the body, and flexible strap means secured fore and aft of the center of gravity of the body for carrying the bag.

A better understanding of the invention will be had from the accompanying drawings, wherein:

FIGURE 1 is a plan view of a bag incorporating the principles of the invention with portions broken away to show the interior construction;

FIGURE 2 is an enlarged cross sectional view taken substantially on line 2—2 of FIGURE 1 but with the body and lining portions not being broken away;

FIGURE 3 is an enlarged cross sectional view taken substantially on line 3—3 of FIGURE 1;

FIGURE 4 is an enlarged cross sectional view taken substantially on line 4—4 of FIGURE 1;

FIGURE 5 is an enlarged cross sectional view taken substantially on line 5—5 of FIGURE 1; and

FIGURE 6 is a view similar to FIGURE 2 but of a modification of the invention.

In the drawings, the numeral 10 indicates generally a substantially cylindrical body of flexible plastic coated fabric, such as a vinyl resin coated cotton duck. Preferably the body 10 is made cigar-shaped curving flatly to a smaller diameter at both the front and rear of the bag, the rear being somewhat smaller in diameter than the front.

FIGURE 2 shows that the body 10 is preferably provided with a lining 12 of a water resistant or water-proofed fabric which is particularly shear resistant to the cutting edges of the skis. Rubberized nylon is preferably employed for the lining 12 which extends over at least the middle portion of the body 10, the front end of the lining 12 being indicated in FIGURE 1 at 14 with the back end of the lining 12 being at 16. It is advantageous, also, to employ the lining 12 at each end of the body 10, and FIGURE 4 shows a lining 18 secured on the inside of the plastic coated flexible fabric 20 forming the front end of the body 10. Stitching 22 secures the end 20 and lining 18 to the end of the body 10. The rear end of the body 10 is similarly closed. The lining 12 is unsecured to the body 10 over the major portion of the area of the lining, so that the lining 12 can move to and from the fabric of the body 10, and such unsecured portions have a limited lateral and longitudinal sliding relation thereto so that any cutting or shearing action on the body 10 or on the lining 12 by the cutting edges of the skis or some outside object in shear against the skis in the bag is minimized. This substantially eliminates the possibility of wear, tearing, or damage to the body 10 or the lining 12.

Extending substantially longitudinally of the top of the body 10 and over a major portion of the length of the body are fastening means 24 for facilitating the opening and closing of the body. Preferably the fastening means 24 are of the slide fastener type, and FIGURE 2 illustrates how the usual tape edges of the slide fastener 24 are secured by stitching 25 between the lining 12 and the body 10 over that area from the front end 14 of the lining 12 to a portion at a point substantially midway between end 16 and band 40, as described hereinbelow. The fastener 24 will only be stitched to the body 10 from the end 20 to the front end 14 of the lining 12.

FIGURE 2 also illustrates that inside of the lining 12 are provided partition forming means of flexible plastic coated fabric 26. These partition forming means extend, as indicated by dotted lines 27 and 29 in FIGURE 1, longitudinally of the body to divide it into substantially equal compartments. In FIGURE 2 the partition forming means 26 move from the full line position substantially in concentric engaging relation with the lining 12 to a dotted line position wherein each compartment is of pie-shape and 120° in extent. Thus, three separate ski receiving compartments are provided. Only one pair of skis 28 and one pair of poles 30 have been illustrated.

One longitudinal edge of each partition means 26 is permanently secured longitudinally of the body 10, as be stitching 32. The other edge of each partition means 26 is releasably secured to the body 10 by fastener means 34, preferably a slide fastener, and of about the same length as fastener 24 as seen in the broken away portion of FIGURE 1. One fabric tape of the slide fastener is secured by stitching 36 to the lining 12 and body 10 and the other tape by stitching 38 to the edge of the partition means 26. Of course, the tapes of the fasteners 34 will only be stitched to the body 10 from the front 20 to the front end 14 of the lining 12.

It will be noted that the fasteners 34 are entirely inside of the body 10 which protects these fasteners from

dirt and weather, enhances the appearance of the bag, and improves the strength of the bag because the body only opens at fastener means **24**. It is possible to make the fastener means **34** of lighter and less expensive construction than the fastener means **24** for this reason. Suitable slides **55** and **35**, respectively, are associated with the fastener means **24** and **34**, in the usual manner.

It will be noted that the skis **28** and poles **30** have been shown in a particular position in the compartment, but it is not essential that they take this position, the compartment being of a size so that one set of skis and poles can be received in each compartment with a minimum of fuss and bother as to exact position.

Extending circumferentially around the body **10** are a pair of bands **40**, one band being just to the rear or aft of the center of gravity of the bag when normally loaded, and the other band being forwardly, or to the fore of the center of gravity of the bag. Secured to and under the strengthening bands **40** are a pair of straps **42** positioned in parallel spaced apart relation, the straps **42** and bands **40** being secured as by stitching **44** to the body **10** and lining **12** as illustrated in FIGURE 3. The bands **40** and straps **42** are preferably made from flexible plastic coated fabric similar to the material forming the body **10**, although a somewhat heavier or higher strength fabric may preferably be employed.

FIGURE 5 illustrates that stitching **46** is utilized to secure the body **10** to the end **14** of lining **12**. A similar stitching is provided to secure the opposite end **16** of the lining **12** to the body **10**.

The embodiment of the invention illustrated in FIGURE 6 is generally similar to that shown in FIGURE 2. Like parts in the two figures have been indicated by the same numerals, except that in FIGURE 6 the suffix *a* has been added. The partition means **26***a* in FIGURE 6 is secured by stitching **32***a* along one longitudinal edge to the body **10***a* and lining **12***a* over the lining length. Again the tapes of the fastener **24***a* (mentioned below) are secured only to the body **10***a* from the front **20** to the front end of the lining **12***a*. The stitching **32***a* extends longitudinally of the body **10***a* at a distance approximately 90° from the slide fastener **24***a* which opens and closes the body **10***a*. The other longitudinal edge of the partition means **26***a* is releasably secured, preferably by a slide fastener **34***a* which has one tape fastened by stitching **36***a* to the body **10***a* and lining **12***a*, over the length of the lining **12***a*, then only to the body **10***a* from the front **20** to the front of the lining **12***a*, and the other tape being secured by stitching **38***a* to the edge of the partition means **26***a*.

The partition means **26***a* normally lies substantially concentric to and in engagement with the liner **12***a* in the position shown in solid lines, but with the partition means moving to the dotted line position shown to divide the inside of the body **10***a* into two substantially equal compartments each of which extends fully longitudinally of the body, each compartment in cross section having a pie-shape 180° in extent. Each compartment of the invention shown in FIGURE 6 will receive and store one pair of skis and poles. In this embodiment of the invention the overall diameter of the bag can be somewhat reduced over the diameter of the bag shown in FIGURE 2.

It is possible, of course, to carry but a single pair or a double pair of skis in one or both of the forms of the invention illustrated, with the remainder of the bag receiving additional articles of ski apparel, clothing, or other such articles. Some such articles can be carried even when the full complement of skis are in each bag. The double strap arrangement of the bag uniformly distributes the weight carried in the bag to the carrying straps, these straps being of a length to conveniently slide over the shoulder of the person carrying the bag with the bag resting high on the hip, and so that the person carrying the bag can use his hand extending

downwardly from the shoulder receiving the straps to help steady the bag and make the carrying thereof easier.

The bag of the invention is adapted to store skis, poles, and the like ski materials when out of season. In season the bag can be picked up and placed in a car or strapped to a car top rack for transportation to the parking lot near a slope. The bag can then be carried to a dressing room or to the slope and the skis for the first time removed from the bag ready for use, with the bag then being folded or rolled into a compartment body for storing in a locker or in the car until reused.

While certain representative embodiments and details have been shown for the purpose of illustrating the invention, it will be apparent to those skilled in this art that various changes and modifications may be made therein without departing from the spirit or scope of the invention.

What is claimed is:

1. A bag for transporting or storing skis and poles including a flexible cigar-shaped body of plastic coated fabric having blunt circularly shaped ends, a lining of rubberized nylon extending over at least the central portion of the body, the major portion of the lining being free for movement to and from the body, separate linings of rubberized nylon sewn in place to the body on the circular shaped ends thereof, compartment forming partition means of flexible plastic coated fabric longitudinally secured to the sides of the body along the longitudinal centerline of the partition means to divide the bag longitudinally into three separate compartments, slide fastener means operable from inside the body for releasably fastening the other edges of the partition means to the inside of the body at substantially equally spaced relation to the secured longitudinal centerline of the partition means and to each other, slide fastener means extending longitudinally of the body over a major portion of the body and releasably closing the body, a pair of strengthening bands of flexible plastic coated fabric surrounding the body to the front of and the back of the center of gravity of the body when loaded in each compartment with skis, and a pair of flexible straps of plastic coated fabric extending in parallel spaced apart relation between the bands for carrying the bag.

2. A bag for transporting or storing skis and poles including a flexible cigar-shaped body of plastic coated fabric, a lining of rubberized nylon open at each end extending over at least the central portion and the ends of the body, the lining being secured to the body along the central portion thereof on a narrow longitudinally extending area with the major portion of the lining being free for movement laterally, to and from the body, compartment forming partition means of flexible plastic coated fabric longitudinally secured along one edge inside the body to divide the bag longitudinally into separate compartments, slide fastener means operable from inside the body for releasably fastening the other edge of the partition means to the inside of the body, slide fastener means extending longitudinally of the body along a portion of the area where the lining is secured to the body and along an end portion of the body for releasably closing the body, a pair of strengthening bands of flexible plastic coated fabric surrounding the body in axially spaced relation to the center of gravity of the body when loaded, said bands being on opposite sides of the center of gravity, and a pair of flexible straps extending in parallel spaced apart relation between the bands for carrying the bag.

3. A bag for carrying and storing skis including a flexible substantially cylindrical body having substantially circular closed ends, fastener means extending substantially longitudinally of the body for opening and closing the body, a pair of flexible partition means dividing the interior of the body into three longitudinally extending compartments each of generally pie-segment shape and about 120° in extent, said partition means being movable from the pie-segment-shaped position to a position sub-

stantially in engagement with the inside of the body, fastener means operable from the interior of the body for releasably securing one edge of each partition means to the body, means permanently securing the other edge of each partition means to the body, and water repellant means lining the central portion of the body for reducing shear between the body and the cutting edges of the skis carried in any compartment.

4. A bag for carrying and storing skis including a flexible substantially cylindrical body having a substantially circular closed ends, fastener means extending substantially longitudinally of the body for opening and closing the body, a flexible partition means dividing the interior of the body into two longitudinally extending compartments each of substantially semi-circular shape and about 180° in extent, said partition means being movable from a position dividing the body into two semi-circular shaped compartments to a position substantially in engagement with the inside of the body, fastener means operable from the interior of the body for releasably securing one edge of said partition means to the body, means permanently securing the other edge of said partition means to the

body, and water repellant means lining the central portion of the body for reducing shear between the body and the cutting edges of the skis carried in any compartment.

References Cited by the Examiner

UNITED STATES PATENTS

1,430,597	10/1922	Singer	190—51
1,859,970	5/1932	Kaufmann	190—41
1,997,637	4/1935	Gebelein	190—41
2,035,427	3/1936	Goldstein	190—41
2,180,686	11/1939	Lorinvich	150—52 X
2,250,388	7/1941	Mickelberg	150—52 X
2,533,850	12/1950	Syracuse	150—52 X
2,634,836	4/1953	Warren	190—41
2,767,758	10/1956	Haynes	150—52

FOREIGN PATENTS

564	1910	Great Britain.
83,251	3/1954	Norway.

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