United States Patent [19]

Sibley

[11] **3,785,541**

[45] **Jan. 15, 1974**

[54] **FOLDABLE JACK AND/OR BAGGAGE CARRIER FOR A SNOW MOBILE**

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[22] Filed: **June 30, 1972**

[21] Appl. No.: **267,922**

[52] **U.S. Cl.**..... **224/42.08,** 180/5 R, 211/1.3, 211/2, 248/298, 248/351, 293/69, 293/73

[51] **Int. Cl.**..... **B60r 9/06**

[58] **Field of Search**..... 180/5 R; 224/42.03, 224/42.04, 42.05, 42.06, 42.07, 42.08; 211/1.3, 2; 248/298, 351; 293/73, 69

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[57] **ABSTRACT**

An attachment for the tail end of a snow mobile comprising a frame slidable relative to the snow mobile between a collapsed non-use position and a partially extended use position for supporting luggage or baggage, the frame additionally being movable into a fully extended position wherein it may be swung downwardly to function as a jack or stand for supporting the tail end of the snow mobile off of the ground.

1 Claim, 3 Drawing Figures

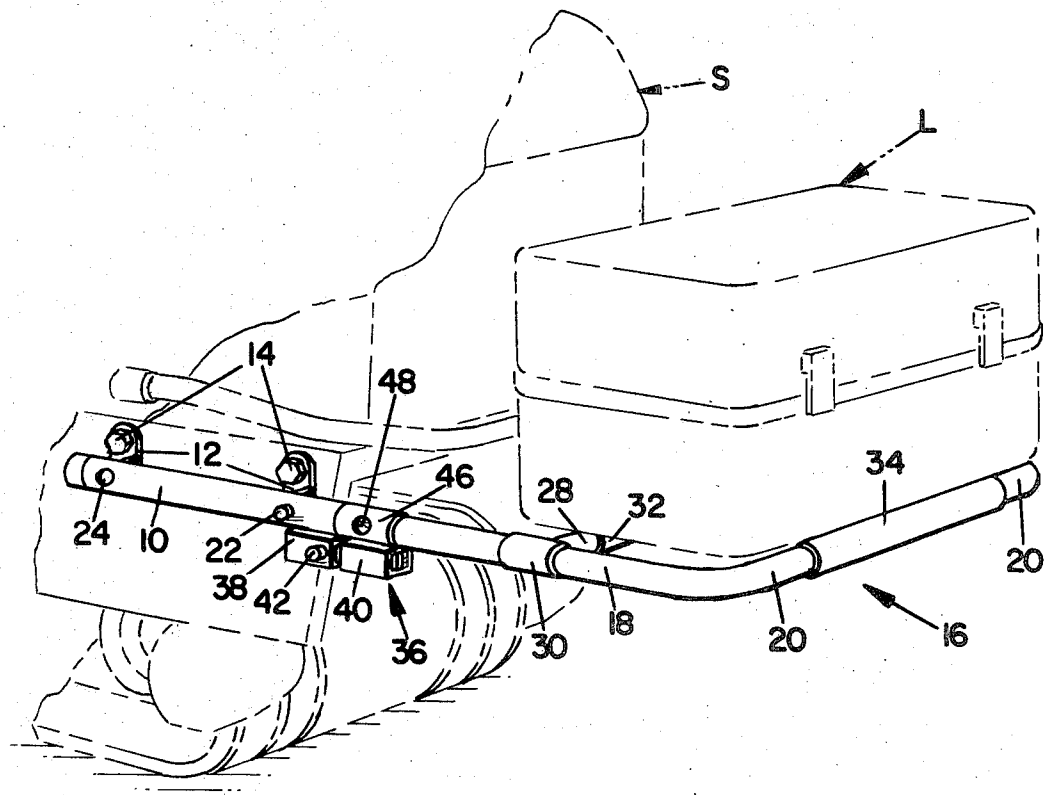


FIG. 1.

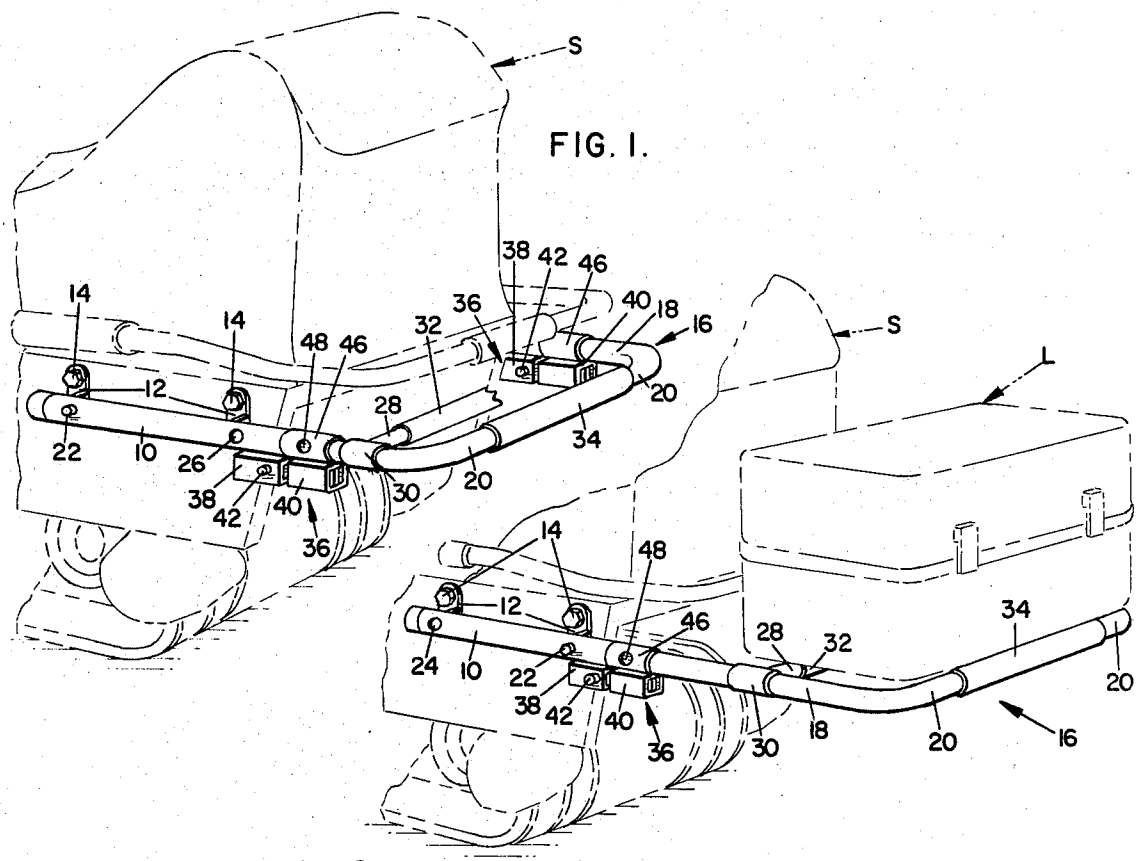


FIG. 2.

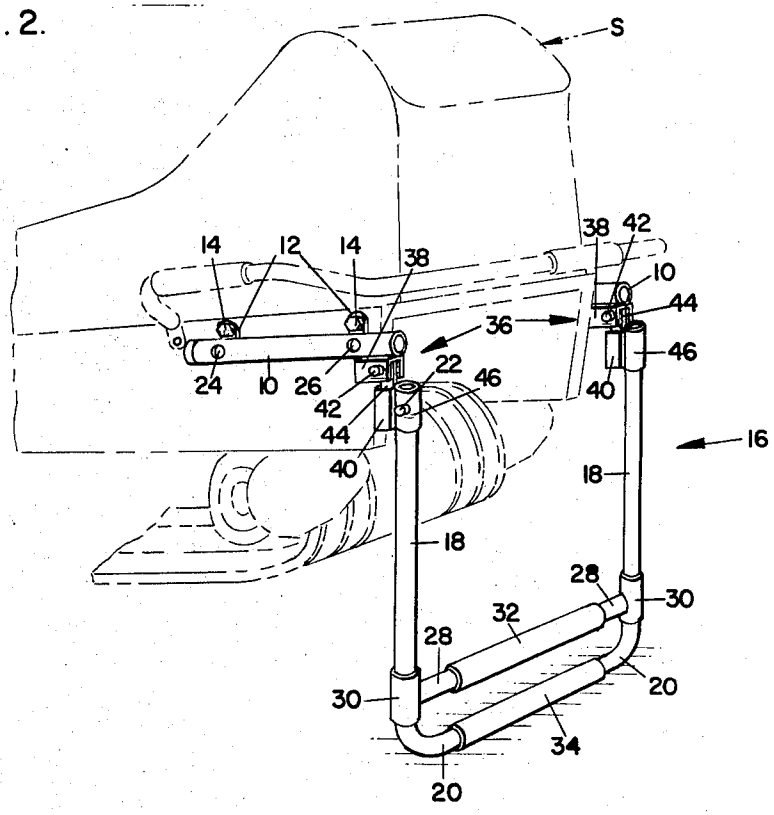


FIG. 3.

FOLDABLE JACK AND/OR BAGGAGE CARRIER FOR A SNOW MOBILE

My invention relates to a simple, inexpensive and highly useful baggage carrier which may be quickly and easily attached to a snow mobile, the baggage carrier being readily converted into a jack or stand for supporting the tail end of the snow mobile in an elevated position for storage or repair purposes.

It is a primary object of the invention to provide a baggage carrier or rack for a snow mobile convertible into a jack or stand for the snow mobile.

Another object is to provide an attachment as described which is readily adjustable to fit snow mobiles of various sizes.

These and other objects will become more readily apparent from a consideration of the attached drawings in which:

FIG. 1 is a view in perspective showing the device of the invention associated with the tail end of a snow mobile, the device being shown in a collapsed or non-use position;

FIG. 2 is a view similar to FIG. 1, the device being shown in partially extended or use position for functioning as a baggage rack; and

FIG. 3 is a view similar to FIG. 1, the device being shown in fully extended or use position for functioning as a jack or stand for the tail end of the snow mobile.

The snow mobile is generally indicated by S and has been shown in phantom in the drawings, not forming a part of the invention.

The device of the invention is fixed to the tail end of the snow mobile and functions either as a baggage rack for supporting luggage or supplies or the like, as shown in FIG. 2, or as a jack or stand for supporting the tail end of the snow mobile in an elevated position off of the ground, as shown in FIG. 3.

The device includes a pair of tubular side bars 10 disposed at each side of the snow mobile and having brackets 12 integral therewith for mounting on the snow mobile as by bolts 14 or the like.

A U-shaped frame 16 includes a pair of spaced, parallel legs 18 interconnected by a web portion 20, the legs being slidably receivable in side bars 10 in telescopic manner, wherefore the frame extends rearwardly from the snow mobile.

A spring-loaded detent 22 is provided on each leg 18 adjacent its free outer end and is receivable in one of a pair of spaced openings 24 or 26 in the side bars 10 to lock the frame in position relative to the side bars, openings 24 being disposed adjacent the forward ends of bars 10 and openings 26 being disposed adjacent the rearward ends of the bars.

In the collapsed position of FIG. 1, legs 18 of frame 16 are disposed entirely within the side bars and detents 22 extend through forward openings 24 of the side bars.

In the partially extended position of FIG. 2, the legs are partially withdrawn from the side bars and the detents extend through rearward openings 26.

A strut 28 extends transversely between legs 18 of frame 16 and serves to support such as luggage or baggage L in the manner shown in FIG. 2 when the frame is partially extended.

Strut 28 is slidably mounted on legs 18 by means of tubular sleeves 30 provided on each end of the strut.

The strut may be formed as a single piece or it may be formed in two parts as shown in the drawings with the end of each part being slidably receivable in an extension sleeve 32 disposed therebetween.

Web portion 20 of frame 16 is also preferably formed in two parts with the end of each part being receivable in an extension sleeve 34.

By this construction of strut 28 and web portion 20 the device may be easily adjusted for use with snow mobiles of various widths.

A hinge 36 is disposed on the rear end of each side bar 10 and comprises a first hinge part 38 fixed to and depending from the side bar and a second hinge part 40 pivoted thereto as by a pivot pin 42 which extends through the first hinge part and through a link 44 extending rearwardly from the second hinge part into the first hinge part.

The legs 18 of frame 16 are slidably receivable in sleeves 46 fixed to the upper surface of each second hinge part 40, the sleeves each being axially aligned with side bars 10 in the FIGS. 1 and 2 positions and each having an opening 48 through which the detents 22 on legs 18 are receivable when frame 16 is moved to the fully extended position, at which time the frame may be pivoted downwardly relative to side bars 10 to the position of FIG. 3 for supporting the tail end of the snow mobile in a raised position off of the ground.

To return the device to the FIGS. 1 or 2 positions, detents 22 are depressed, second hinge parts 40 are swung upwardly to bring sleeves 46 into alignment with side bars 10 and legs 18 of frame 16 are slid inwardly into the side bars whereupon the detents may be permitted to extend through either the rear holes 26 or the forward holes 24 in the side bars to lock the frame in a partially extended position or a collapsed position respectively.

I claim:

1. In combination with a snow mobile, an attachment comprising, a pair of horizontally disposed slide bars mounted on the snow mobile, a U-shaped frame having a pair of spaced, parallel legs interconnected at one end by a web portion and a strut extending between and slidably mounted on the legs, the legs being telescopically receivable in the slide bars for permitting horizontal sliding movement of the frame between a collapsed position wherein the web portion is disposed closely adjacent the snow mobile and an extended position wherein the web portion is substantially spaced from the snowmobile for supporting baggage thereon, means pivotally mounting the frame relative to the slide bars for downward swinging movement of the frame from the horizontal extended position to a vertical position for supporting the tail end of the snow mobile in an elevated position off of the ground comprising a hinge member fixed to each slide bar and pivoted to each leg of the frame, and releasable locking means for locking the frame relative to the slide bars and hinge members comprising a spring-loaded detent on each leg of the frame selectively receivable in spaced openings in the hinge members and slide bars.

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