

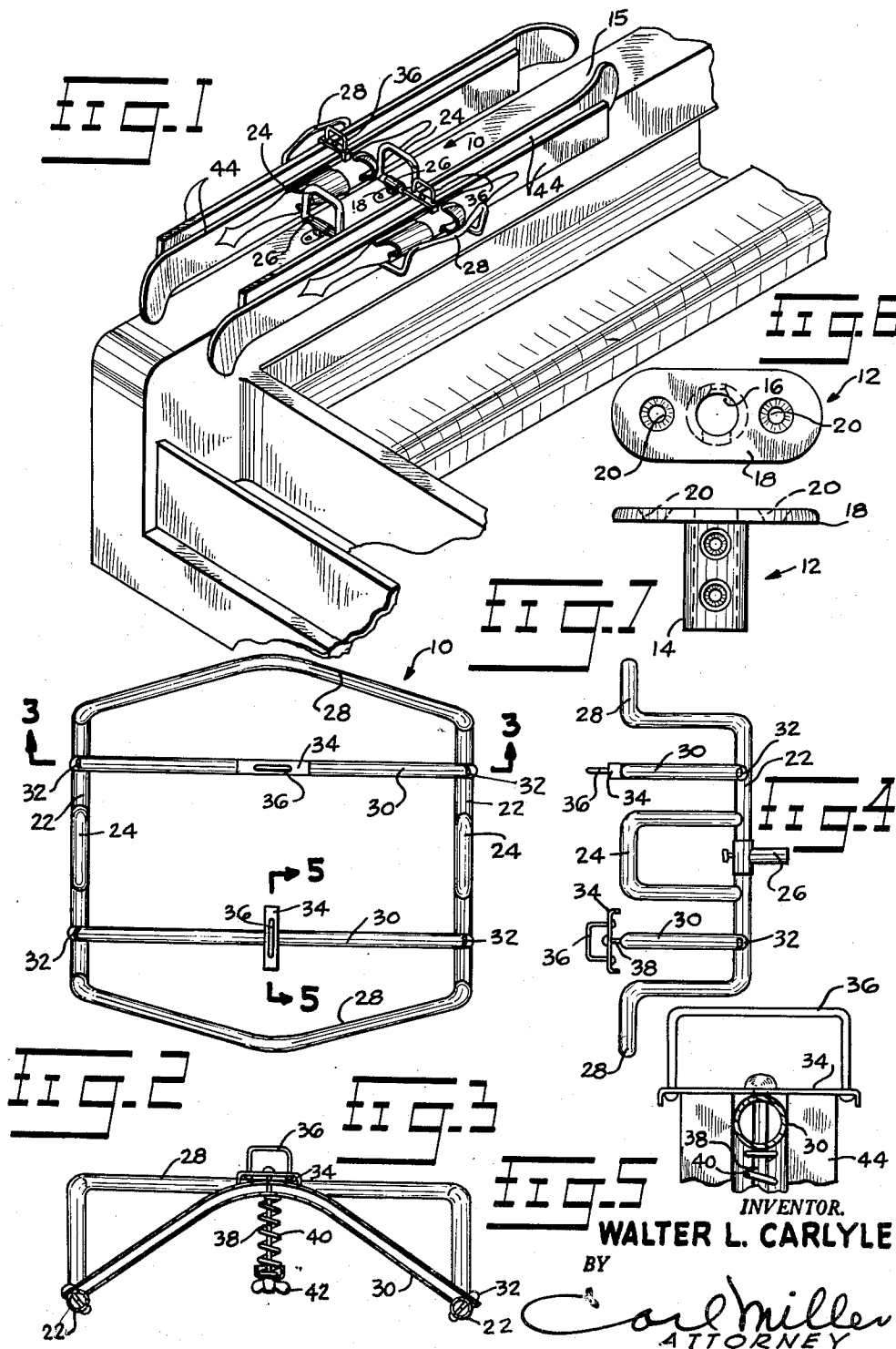
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SKI RACK

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3,018,897
SKI RACK

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This invention relates to brackets, and more particularly, to a device for securing skis in a transport position.

Ordinarily, skis are much more readily transported when secured in a parallel relationship upon a bracket or hanger. It is therefore an object of the present invention to provide a ski rack which is extremely simple in construction, efficient in operation, and which will facilitate the transportation of two pairs of skis in a simple and convenient manner.

Still another object of the present invention is to provide a ski rack which includes manually operated retaining means for releasably securing the skis upon the rack.

A further object of the present invention is to provide a ski rack of the type described that is extremely simple to mount upon a supporting object, can be readily manufactured in large quantities at a relatively low cost, and which is devoid of separate or loose parts which would otherwise become readily misplaced.

All of the foregoing and still further objects and advantages of this invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing, wherein:

FIGURE 1 is a perspective view of a ski rack made in accordance with the present invention in actual use;

FIGURE 2 is a top plan view of the ski rack shown in FIGURE 1;

FIGURE 3 is a longitudinal cross sectional view taken along line 3—3 of FIGURE 2;

FIGURE 4 is an end view of the ski rack shown in FIGURE 2;

FIGURE 5 is an enlarged fragmentary cross sectional view taken along line 5—5 of FIGURE 2;

FIGURE 6 is a top plan view of a mounting device forming a part of the present invention; and

FIGURE 7 is a side view of the device shown in FIGURE 6.

Referring now to the drawing, a ski rack 10 made in accordance with the present invention is shown to include a pair of mounting members 12, each of which has a depending sleeve member 14 for insertion into the top of the supporting object 15. The sleeve 14 includes a longitudinal bore 16 within which depending mounting shafts 26 of the rack are received. The uppermost end of each such sleeve 14 is provided with a flange plate 18 having apertures 20 through which screws may be inserted for mounting each such mounting member upon the supporting object 15. The depending posts 26 are mounted upon the opposite end pieces 22 of the substantially rectangular main frame member which is further provided with upstanding and outwardly curved side pieces 28 and bail members 24.

Positioning bars 30 extend longitudinally between the opposite end pieces 22 of the frame and are of substantially inverted V-shaped configuration, as shown in FIGURE 3. Rivets or other fasteners 32 may be used to secure the opposite ends of the positioning bars 30 to the ends 22 of the frame.

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Each positioning bar 30, at the upper apex portion thereof, is provided with a handle 36 having a lock plate 34 mounted upon a rod 38 that is slidably received through the apex of the positioning bar. A compression coil spring 40 encircles the rod 38 and acts between the apex of the positioning bar 30 and a wing nut 42 to yieldably resist upward movement of the lock plate 34 relative to the positioning bar 30.

In actual use, the device 10 is intended to carry two pairs of skis 44, each ski of each pair being received along one side of each positioning bar 30 within the cradle formed by the end pieces 22 of the frame. When in the proper position, the lock plate 34 extends in a direction normal to the plane of each positioning bar 30, as shown in FIGURE 5, in which position it overlies the upper edges of both of each pair of skis 44. Thus, by simply rotating the handle 36, the lock plate 34 may be selectively moved between the normally engaged position illustrated in FIGURES 1 and 5, and the open position illustrated in the upper half of FIGURE 2. When in the open position parallel to the positioning bar 30, a pair of skis may be readily inserted or removed from the cradle formed by the opposite ends 22 of the frame on each side of the positioning bar 30.

It will now be recognized that this device may be readily mounted upon any supporting object, such as that shown in FIGURE 1, whereby the skis are available for immediate use whenever required.

While this invention has been described with particular reference to the construction shown in the drawing, it is to be understood that such is not to be construed as imparting limitations upon the invention, which is best defined by the claims appended hereto.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A ski rack comprising, in combination, a main frame, mounting means securing said main frame upon a supporting object, said main frame having positioning means for supporting a plurality of skis in spaced apart parallel relationship upon said frame, and retaining means releasably securing said skis upon said frame, said main frame being of substantially rectangular configuration having a pair of end pieces, a pair of side pieces, said end pieces extending below the level of said side pieces and defining a longitudinal extending cradle, said skis being received within said cradle of said frame substantially parallel to said longitudinal axis thereof extending normally through said end pieces.

2. A ski rack as set forth in claim 1, wherein said mounting means comprises a pair of mounting posts one carried by each one of said end pieces depending downwardly therefrom below the level of said end pieces, and flanged sleeves mounted upon the supporting objects slidably receiving said posts of said main frame therein.

3. A ski rack as set forth in claim 2, wherein said positioning means comprises a pair of inverted U-shaped positioning bars secured in spaced apart parallel relationship between said end pieces of said frame, and an inverted U-shaped bail member secured to each one of said end pieces intermediate the adjacent ends of said positioning bars, each one of said positioning bars being

spaced laterally away from the side of each of said bails and an adjacent one of said side pieces.

4. A ski rack as set forth in claim 3, wherein said retaining means comprises a lock plate pivotally mounted upon the uppermost central portion of each one of said positioning bars, said lock plate being selectively rotatable between a locking position extending normal to said positioning bars and an open position extending parallel thereto, said lock plate in said operative position extending across a pair of skis carried by said frame on opposite sides of said positioning bar.

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