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SKI HOLDER ADAPTED FOR MOTOR CARS

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Fig. 1.

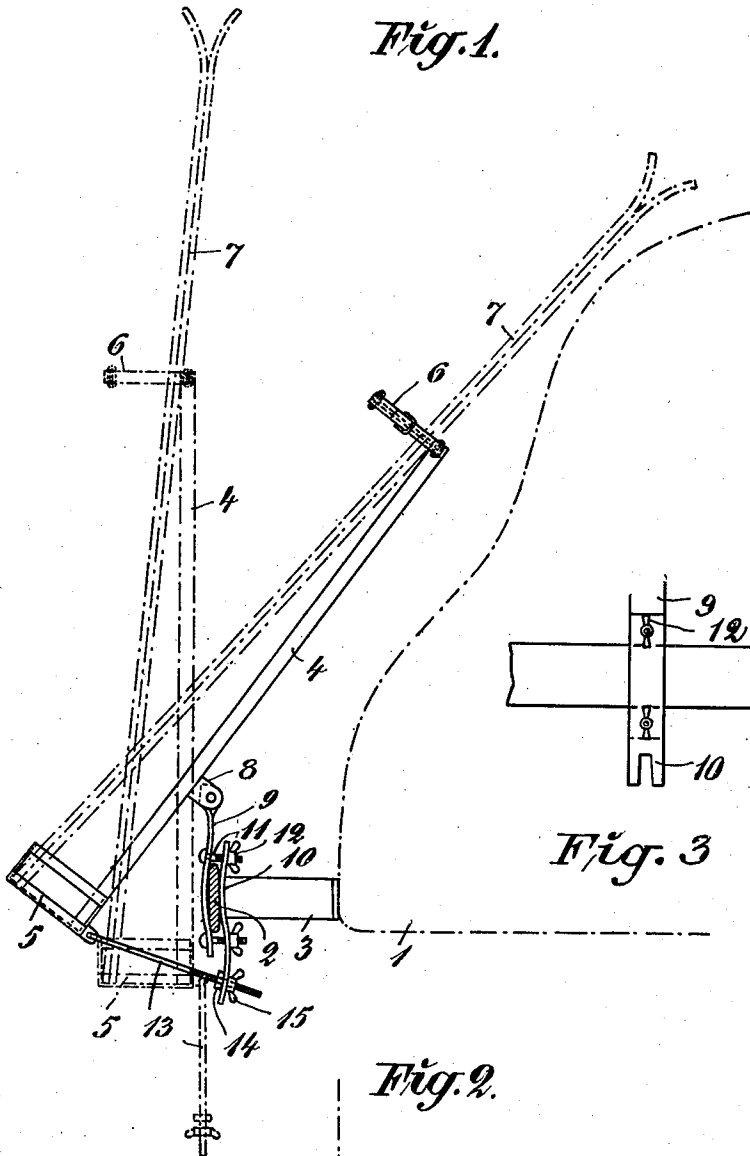
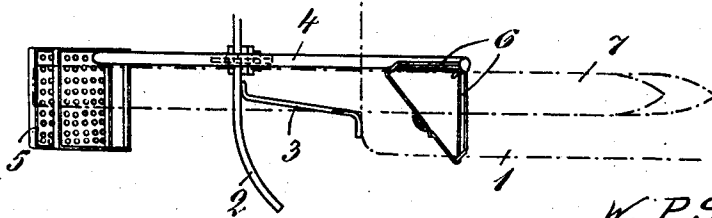


Fig. 3

Fig. 2.



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SKI HOLDER ADAPTED FOR MOTOR CARS

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4 Claims. (Cl. 224-29)

The present invention refers to an arrangement in ski holders adapted for motor cars. In comparison with previously known similar contrivances, the device according to the invention is distinguished by great simplicity, besides which it may be readily arranged and adjusted. The ski holder according to the invention is of the type comprising a box and a standard projecting upwardly therefrom, said standard being provided at the upper end thereof with a supporting member for the skis. The invention is principally distinguished by the feature that the box is carried by the standard, which is swingably connected with an arm secured by means of a screw joint to the rear bumper of the motor car, in addition to which the box is connected to this screw joint by means of a rod which is swingably mounted at the box and adapted to be adjusted as to the effective length thereof, in order to render possible, first, a control of the inclination of the standard according to the shape of the rear portion of the motor car, and, secondly, the swinging of the standard aside in a rearward direction.

The principle of the invention and the characteristic features thereof will be apparent from the following description of a form of embodiment represented by way of example in the accompanying drawing. Fig. 1 shows an elevation, Fig. 2 a plan view of this construction, and Fig. 3 is an elevational detail showing the open slot in the member 10.

In the drawing, 1 designates the rear portion of the body of the motor car, whereas 2 denotes the bumper which is secured to the motor car by means of supporting irons 3. The standard 4 of the ski holder with the box 5 secured to the lower end and with the supporting member 6 attached to the upper end thereof are shown in Fig. 1, in full-drawn lines, in a forwardly slanting direction toward the rear portion of the motor car, as well as in chain-dotted lines in a position swung rearwardly from the car. A pair of skis 7 are also shown by chain-dotted lines, these skis resting at the lower ends thereof on the bottom of the box, which is preferably perforated, while the skis are retained by the supporting members of the standard consisting, in the example shown, of two supports projecting from the standard and receiving the skis between them, a strap or the like being extended through the extreme ends of said supports and the standard, by means of which strap the skis are retained.

In accordance with the invention, the standard is swingably mounted, as illustrated in the ex-

ample of embodiment shown, through the agency of an apertured bracket 8 on an arm 9, which is provided with a bearing stud at the upper end thereof and which bears against the rear side of the bumper 2. Bearing on the opposite side of the bumper is the upper portion of another arm 10, which is secured to the lower portion of the arm 9 by means of a screw connection comprising threaded bolt 11 and wing nut 12, the bumper 2 being thus clamped between the arms 9 and 10. The portion of the arm 10 depending below the bumper is provided at the lower end thereof with a downwardly open slot adapted to receive the free end of a rod 13 swingably mounted at the box 5. This rod 13 is threaded at the outer end thereof, whereby it may be secured to the lower end of the arm 10 by means of two nuts 14 and 15. The nuts 14 and 15 obviously permit the setting of different distances between the box 5 and the point of attachment of the rod 13 at the arm 10, and thus a control of the inclination of the standard 4 according to the shape of the rear portion of the motor car.

By loosening the nut 15 it will be possible in a simple manner to loosen the rod 13 from the lower end of the arm 10. Thus the standard 4 will be freely swingable about its mounting on the arm 9, so that it may, inter alia, be swung rearwardly from the car into the position shown by chain-dotted lines in Fig. 1. Such rearward swinging may be advantageous, for example, to facilitate the accessibility to a luggage box in the rear portion of the car, to a spare wheel secured on the rear side of the car, and so forth.

Obviously, the ski holder constructed in accordance with the invention is easy to arrange on and to remove from the bumper thanks to the screw connection between the arms 9 and 10. Evidently, two or more ski holders of this type may be arranged beside one another on the same bumper.

The embodiment described is selected only as an example of constructing the invention, and the details thereof may be modified in various ways within the scope of the invention.

Having now particularly described the nature of my invention and the manner of its operation what I claim is:

1. Arrangement in ski holders for motor cars, comprising a box, a standard projecting therefrom and rigid therewith, supporting members for the skis arranged at the upper end of the standard, combined attaching and supporting means for the standard including two members removably clamped to the rear bumper of the motor

car, one of said members being pivotally connected to the standard, a rod swingably mounted on the box and adjustably engaged with the other member and adapted to be adjusted with respect to the effective length thereof, in order to facilitate controlling of the inclination of the standard according to the shape of the rear portion of the motor car, as well as permitting swinging of the standard away from the car in a rearward direction when disconnected from said last mentioned member.

2. An arrangement in ski holders as claimed in claim 1, in which the two members of the attaching and supporting means are arranged on opposite faces of the bumper, and means in the form of nut and bolt arrangements are engaged with the members and positioned near the upper and lower edges of the bumper for removably clamping the members on the bumper.

3. An arrangement in ski holders as claimed in claim 1, in which the two members of the attaching and supporting means are arranged on opposite faces of the bumper, and means in the form of nut and bolt arrangements are engaged with the members and positioned near the upper

and lower edges of the bumper for removably clamping the members on the bumper, the member at the rear most face of the bumper extending above the bumper and serving as the pivotal support for the standard and the other member extending below the bumper for detachably receiving the rod which is pivotally mounted on the box.

4. An arrangement in ski holders as claimed in claim 1, in which the two members of the attaching and supporting means are arranged on opposite faces of the bumper, means for detachably clamping said members in a fixed position on the opposite faces of the bumper, the member at the rear most face of the bumper extending above the same and serving as the pivotal support for the standard, the other member extending below the bumper and provided at its lower extremity with a slot for removably receiving the rod which is pivotally connected to the box, and nuts adjustably mounted on the said rod and arranged on opposite sides of the member when the rod is engaged in the slot for releasably clamping the rod in the desired position of adjustment.

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