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
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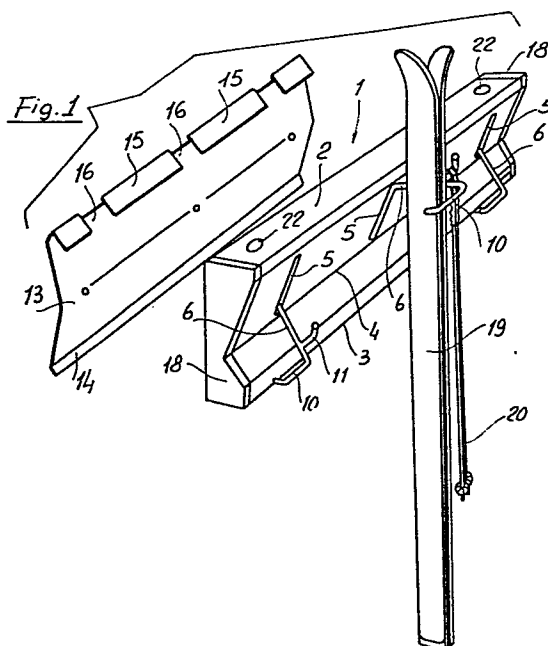
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 **Ski supporting structure.**

 The structure comprises a substantially box like body (1) consisting of two flat parallel walls (2, 3) horizontally extending and provided with a respective edge member (2', 3').

The two horizontal walls are coupled by a front dihedral wall (4), provided with different area faces, the upper thereof, of greater area, being provided with vertically extending slots (5) effective to slidably hold respective shaped rods (6) pivoted to the upper wall (2) of the box like body and biased, in the inside of the box like body, by a pressure spring (8), the free ends of the shaped rods (6) being effective to edge affix a ski pair to the box like body (1).



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The present invention relates to a ski supporting structure.

As it is well known the skies, as they are not used, are arranged in a subvertical position, against a wall or they are inserted into a cabinet for saving space.

On the other hand this arrangement, in addition to being a scarcely stable one, may cause the skies to undesirably deflect or deform.

Accordingly, the task of the present invention is that of obviating the thereinabove mentioned drawbacks, by providing a ski supporting structure which is effective to support the skies in a precisely vertical position.

Within the scope of this task, it is a main object of the present invention to provide a ski supporting structure which is effective to rigidly fix the skies by means of simple and quick manual operations.

Yet another object of the present invention is to provide such a ski supporting structure comprising means for firmly holding the ski sticks.

Yet another object of the present invention is to provide a ski supporting structure which is

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of reduced size and easy to be applied to a wall, at the desired height thereon.

According to one aspect of the present invention the above task and objects, as well yet other objects which will become more apparent hereinafter are achieved by a ski supporting structure, characterized in that it comprises a substantially box like body, consisting of two flat parallel walls, provided with a respective edge member and horizontally extending, said two flat walls being coupled by a dihedral front wall, provided with different area faces the upper thereof, of greater area, is provided with vertically extending slots effective to slidably hold a shaped rod ., the latter being pivoted to the upper wall of said horizontally extending walls and being biased, in the inside of said box-like body, by elastic biasing means, the free end of said shaped rod being effective to edge affix a ski pair to said box like body.

Advantageously the box like body is attached to a vertical wall by means of a dihedral member, as preliminarily affixed to the wall and being provided with rounded edges effective to resiliently hold the

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edges of the box like body.

Moreover the two horizontal walls of the box like body have a like depth, thereby they are effective to hold the skies in a precise vertical attitude.

Further characteristics and advantages of the ski supporting structure according to the present invention will become more apparent from the following detailed description of a preferred embodiment thereof, with reference to the accompanying drawings, where:

fig.1 is a perspective view illustrating the ski supporting structure according to the present invention, removed from the diehdral member for fixing the supporting structure to a wall;

fig.2 is a cross-sectional view of the box like body;

fig.3 is a vertical cross section view of the diehdral fixing member; and

fig.4 is a vertical cross section view of the subject ski supporting structure.

With reference to the numbers of the figures of the accompanying drawings, the ski supporting structure according to the present invention comprises a substantially box like body 1, consisting

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or two flat parallel walls 2 and 3, provided with respective small edge members 2' and 3' and coupled to a front diehedral wall 4, in the upper portion whereof there are formed vertically extending slots 5, suitably spaced from one another.

Along the slots shaped rods 6 are able of sliding, being pivoted, at one end thereof, 7, in the inside of the upper wall 2 of the aforesaid box like body.

More specifically, on the portions of said rods 6 inside the box like body, there are engaged pressure springs 8, each spring being stopped against the respective slot 5 by a plate 9.

The shaped rod 6 has the free end thereof, indicated at 10, doubly folded and being provided with a side hook member 11.

The box like body 1 is attached to a wall 12 preferably by means of a diehedral member 13, the latter being provided with lower and upper edge members, indicated at 14 and 15 respectively, the edge upper member 15 being of greater extension and doubly folded.

In particular the upper edge member 15 is provided with cut away portions 16, formed at the

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portions provided for housing the pins or the rods 6.

In the practice, upon having attached to the wall 12 the diehedral member, on the latter there is engaged, firstly from the bottom and then, by means of a suitable pressure from the top, the box like body 1 which, because of the biasing of the edge members 14 and 15, remains in turn attached to the wall 12.

It should be pointed out in this connection that the aforesaid diehedral member 13 is made of a suitably elastic material thereby, by varying the angle thereof, by means of a suitable pressure and using small blocks 17, against the wall (fig.4) it is possible to modify the attitude of the edges thereof, in order to provide a sure affixing on the box like member 1.

The latter, after being mounted on the diehedral member, will be laterally closed by means of two edged small walls 18 effective to be located above the walls of said box like body.

It should also be noted that the box-like body 1 is provided at the top thereof with two circular openings 22, closed by a plug member, and effective to

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allow for the user to engage with his fingers the inside of the box like body 1 to remove the latter from the diehdral member 13.

The operation of the disclosed structure is self evident:more specifically, by upwardly rotating one of the rods 6 the sky pair is inserted between the end 10 of the rod and the box like body 1.

The engagement provided by the end 10, owing to the presence of the spring 8, will be sufficient to support the ski pair.

Then the user will engage the ski sticks 20 on the hook member 11 which latter is also effective to facilitate the upwardly rotation of the rod 6, as the ski pair is to be removed.

Obviously suitable protecting liners 21 will be applied on the ski contacting portions.

From the above disclosure and the figures of the accompanying drawings the great functionality and use facility characterizing the ski supporting structure according to the present invention will be self evident.

C L A I M S

- 1- A ski supporting structure, characterized in that it comprises a substantially box like body (1), consisting of two flat parallel walls (2, 3), provided with a respective edge member (2', 3') and horizontally extending, said two flat walls being coupled by a diehedral front wall (4), provided with different area faces, the upper thereof, of greater area, is provided with vertically extending slots (5) effective to slidably hold a shaped rod (6), the latter being pivoted to the upper wall (2) of said horizontally extending walls (2, 3) and being biased, in the inside of said box like body (1), by elastic biasing means (8), the free end of said shaped rod (6) being effective to edge affix a ski pair to said box like body (1).
- 2- A ski supporting structure, according to the preceding claim, characterized in that the two horizontally extending walls (2, 3) of said box like body have a like depth, thereby holding the ski pair in a precise vertical attitude.
- 3- A ski supporting structure, according to the preceding claims, characterized in that on the portion of said rods (6) inside said box like body (1) there is



is engaged a pressure spring (8), the latter being caused to stop against the related slot (5) by a plate (9), said rods (6) having the free ends (10) thereof doubly folded and being provided with side hook members (11):

4- A ski supporting structure according to the preceding claims, characterized in that said box like body (1) is affixed to the wall by means of a diehdral member (13) made of a resilient material and being provided with lower and upper edges (14,15), the upper edge (15) being of greater extension and doubly folded and being provided with cut out portions (16) formed at the portions provided for housing the pins or said rods.

5- A ski supporting structure, according to the preceding claims, characterized in that said box like body (1) is closed, laterally, by two contoured walls (18) overlying the walls of said box like body (1).

6- A ski supporting structure according to the preceding claims, characterized in that said box like body (1) is provided at the top thereof with two circular openings or holes (22) closed by removable plug members.

7- A ski supporting structure, according to the

preceding claims, characterized in that the portions thereof provided for contacting the ski pair are covered by protecting liners(21).

8- A ski supporting structure, according to the preceding claims, and substantially as broadly illustrated and disclosed.

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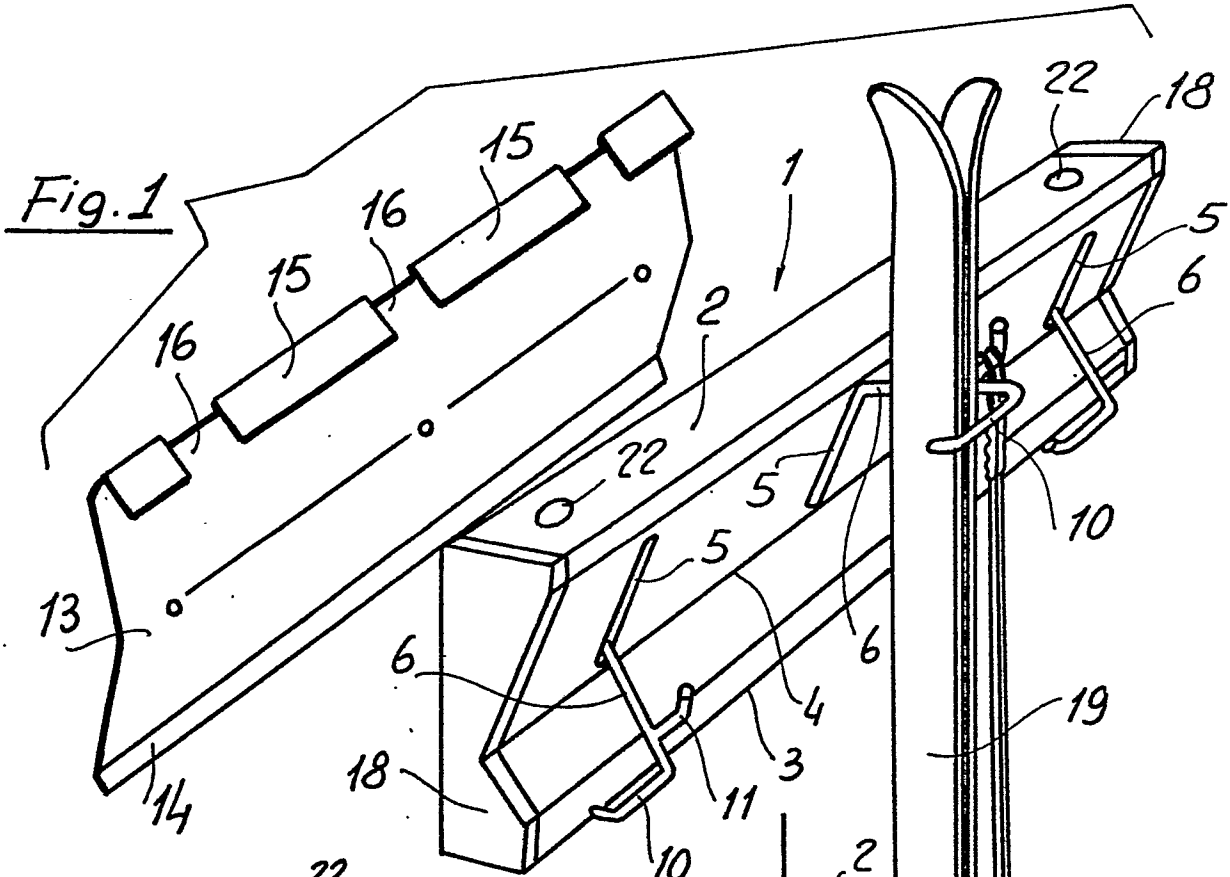


Fig. 1

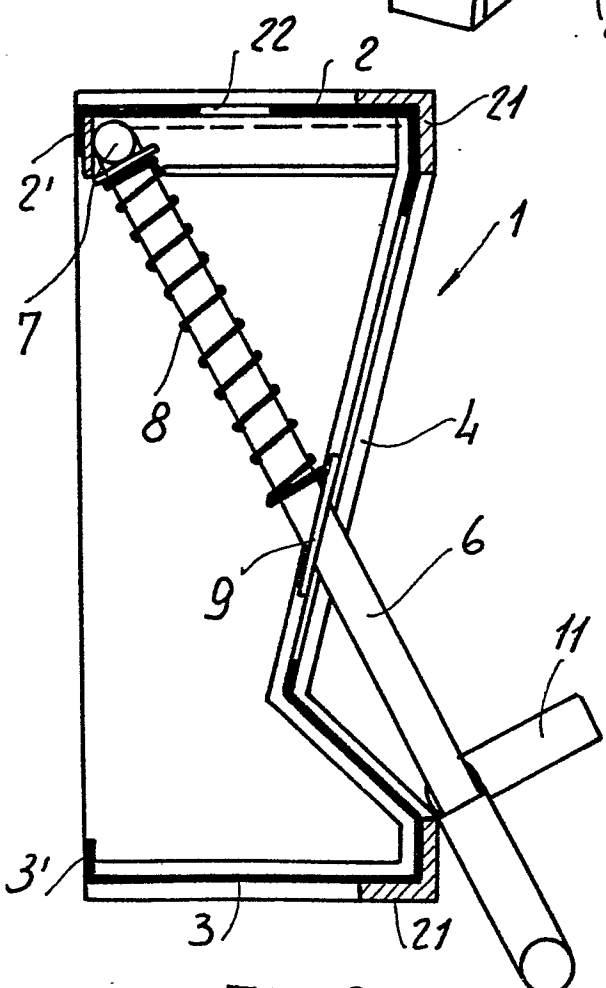


Fig. 2

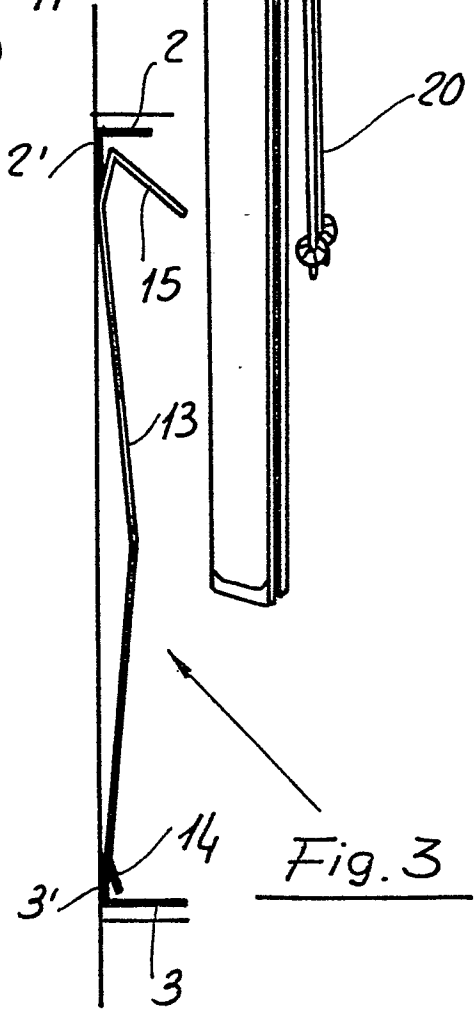
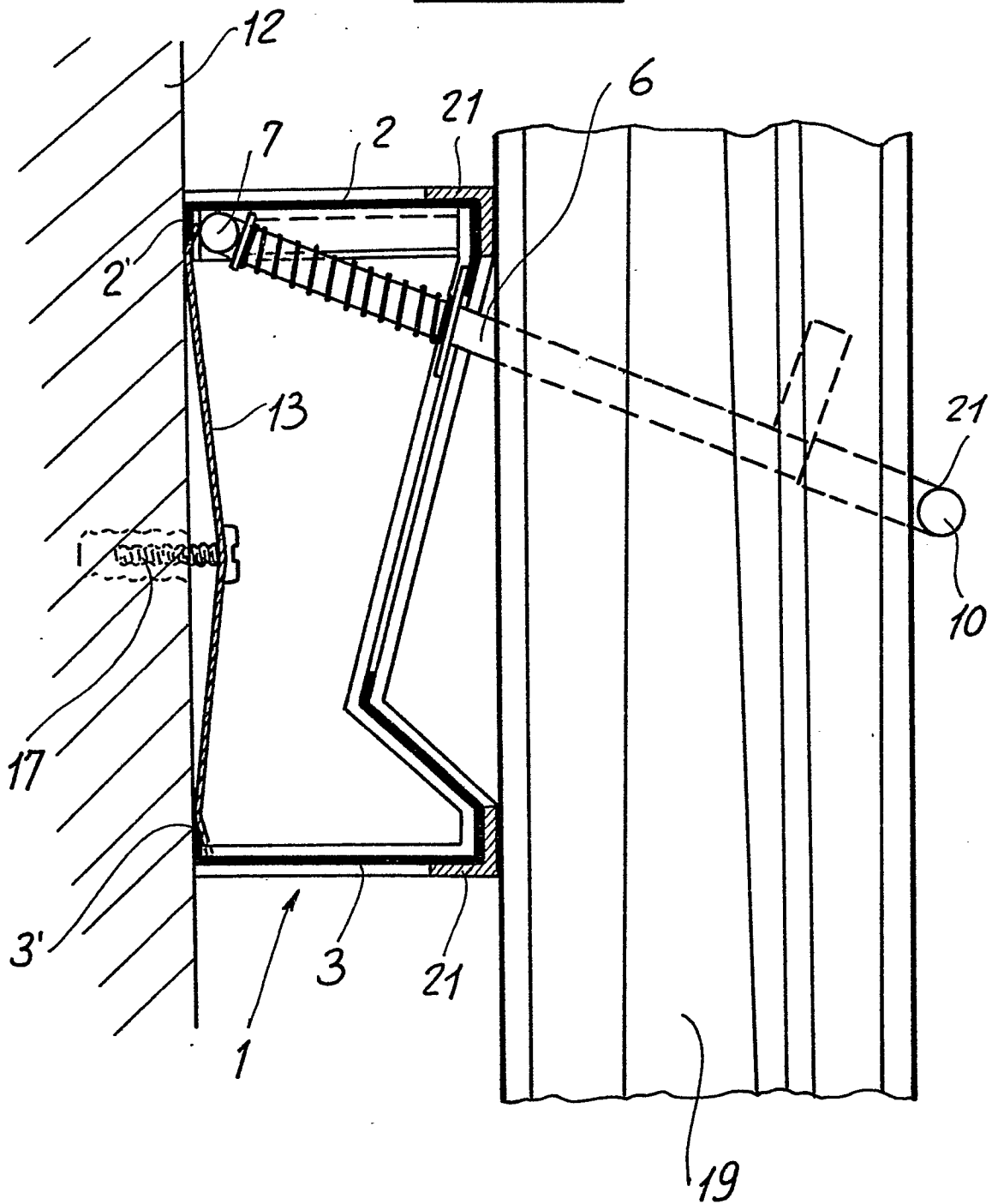


Fig. 3

Fig. 4





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. <sup>3</sup> )
A	CH-A- 554 156 (RODITSCHIEFF) *The whole document*	1,2,7	A 63 C 11/02
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A	CH-A- 411 268 (VOGEL) *The whole document*	1	
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A	US-A-3 421 725 (GLASS)  -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 06-07-1982	Examiner SCHLESIER K.G.W.P.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			