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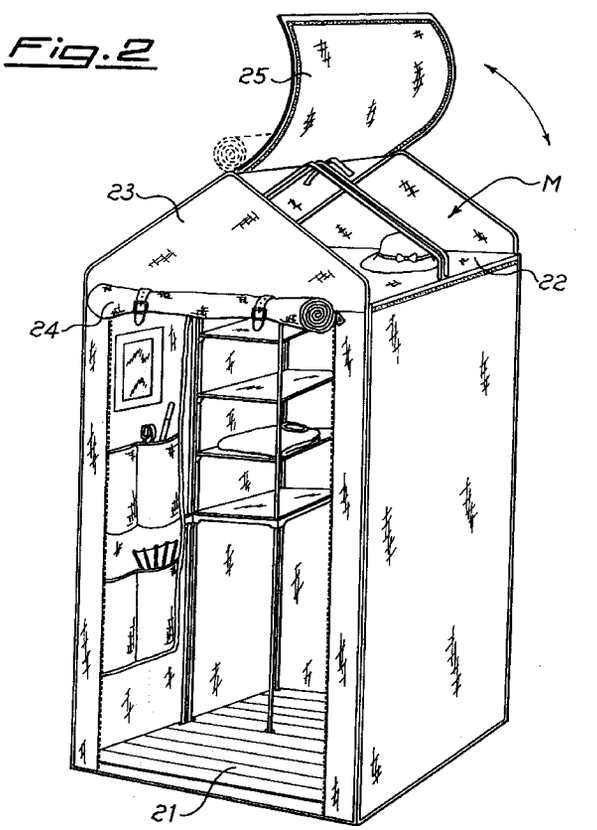
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(54) Modular hut provided with a space below the roof.

(57) A beach or swimming pool or wardrobe hut consisting of a rigid modular structure covered by a flexible covering (23), having a space (M) below the roof, accessible from inside and/or outside, which can be used as a closet.

Fig.2



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The present invention concerns modular huts which can be used for multiple uses, for example on beaches, by swimming pools or as wardrobes.

Various types of hut-shaped structures are known, having different size and use. These usually consist of real buildings or structures permanently assembled in the place where they are utilized. It is therefore difficult both to move them from one place to another, and to produce important modifications to the arrangement of their internal elements (such as shelves, etc.). Moreover, owing to the typical small size of conventional huts, it is often a problem to put the objects presently not used in such a position as not to hamper the movements of the user inside.

The object of the present invention is therefore to provide a modular hut, with a quickly rearrangeable internal structure, and possibly provided with a separate inner space which functions as a closet.

The advantages of the present invention will become apparent from the following detailed description of a preferred embodiment thereof, referring to the annexed drawings, wherein:

Fig.1 is a perspective view of the frame of a modular hut according to the present invention; and

Fig.2 is a perspective view of the hut of fig.1 complete.

Referring to fig.1, it is shown that the supporting framework of a modular hut according to the present invention consists of an assembly of elements which can be differently assembled, interconnected to form a frame. In particular, said frame includes base elements 1 whereon the real base of the hut abuts, and elements 2 which mutually connect the said base elements 1. Peripheral posts 3 and inner posts 3' are inserted on said base elements, which posts are part of the hut vertical framework. Said posts 3, 3' are connected on their upper part to peripheral elements 4 and inner elements 4', horizontally arranged and suitable to strengthen the hut structure. Peripheral upper posts 5 and inner posts 5' are inserted on the upper part of the elements 4, 4', said posts in turn being connected on their upper part to upper horizontal peripheral elements 6 and inner elements 6'. The frame is completed in its upper part by bent elements 7, sloping or arc-shaped, intended to support the covering element described later on. The elements 7 connect opposite sides of the roof base defined by the upper peripheral elements 6. Finally, the elements 7 are preferably connected on their tops by further stiffening elements 8.

The above-mentioned inner elements cooperate to form the hut internal arrangement, in particular, the horizontal elements are suitable to support shelves. Any plane inside the hut can also be supported by props 9 fixed on both said peripheral and inner elements.

All the above-mentioned elements may be arranged in any way suitable to the purpose, and are preferably dap-jointed, but they may be connected in any known way suitable to the purpose.

Obviously, the greater the number of posts and horizontal peripheral elements used the firmer is the structure.

Referring now to fig.2, a complete hut is shown which is essentially obtained by inserting on the above-described structure a base 21 and a ceiling 22 first, then a covering 23 made of a flexible material shaped so as to fit perfectly the frame. Said covering 23 is provided with an entrance opening which can be closed with a part 24 of the covering itself which can be rolled up, and possibly one or two zips.

In a similar way, a part 25 of the roof of the covering can be opened and rolled up to get within reach of the space M included between the hut ceiling 22 and the two inclined parts of the covering 23. Said space M advantageously functions as a closet for the objects presently not used and it may be accessible also from inside the hut in case a ceiling 22 is used which does not cover the whole roof base.

The flexible covering 23 may be made of canvas or plastic or, else, of waterproof fabric, or any other flexible material suitable to the purpose. The covering itself is fixed on the frame by means of strings, velcro bands or other suitable means, and may be provided with closable openings, possibly provided with mosquito nets, for the internal ventilation.

As shown in fig.2, the hut may also be equipped with internal shelves abutting on the seats prearranged during the frame assembly phase, as well as, for example, with further holders hung to the horizontal elements of the frame.

Obviously, the internal arrangement of the structural elements may be varied to fit the user's requirements, which user, for example, may arrange the above-described hut to use it as a wardrobe and, in this case too, the advantage of the space M which allows to utilize the room in the upper part of the modular hut is apparent.

Finally, it is apparent that this modular hut is easily movable, thanks to its lightness, as well as easily transportable, thanks to its small bulk when it is disassembled.

Claims

1. A modular hut, characterized in that it includes a modular frame (1, 2, 3, 3', 4, 4', 5, 5', 6, 6', 7, 8) provided with a base (21) and a ceiling (22), as well as covered by a flexible covering (23) having at least one opening.

2. A hut according to claim 1, characterized in that it has a space (M) included between the roof and the ceiling (22) forming the whole base of the roof.

3. A hut according to claim 1 or 2, characterized in that a part (25) of the roof can be opened to get within reach of said space (M) from outside.

4. A hut according to claim 1, characterized in that the ceiling (22) does not entirely cover the roof base thus making the space (M) accessible from inside the hut.

Fig.1

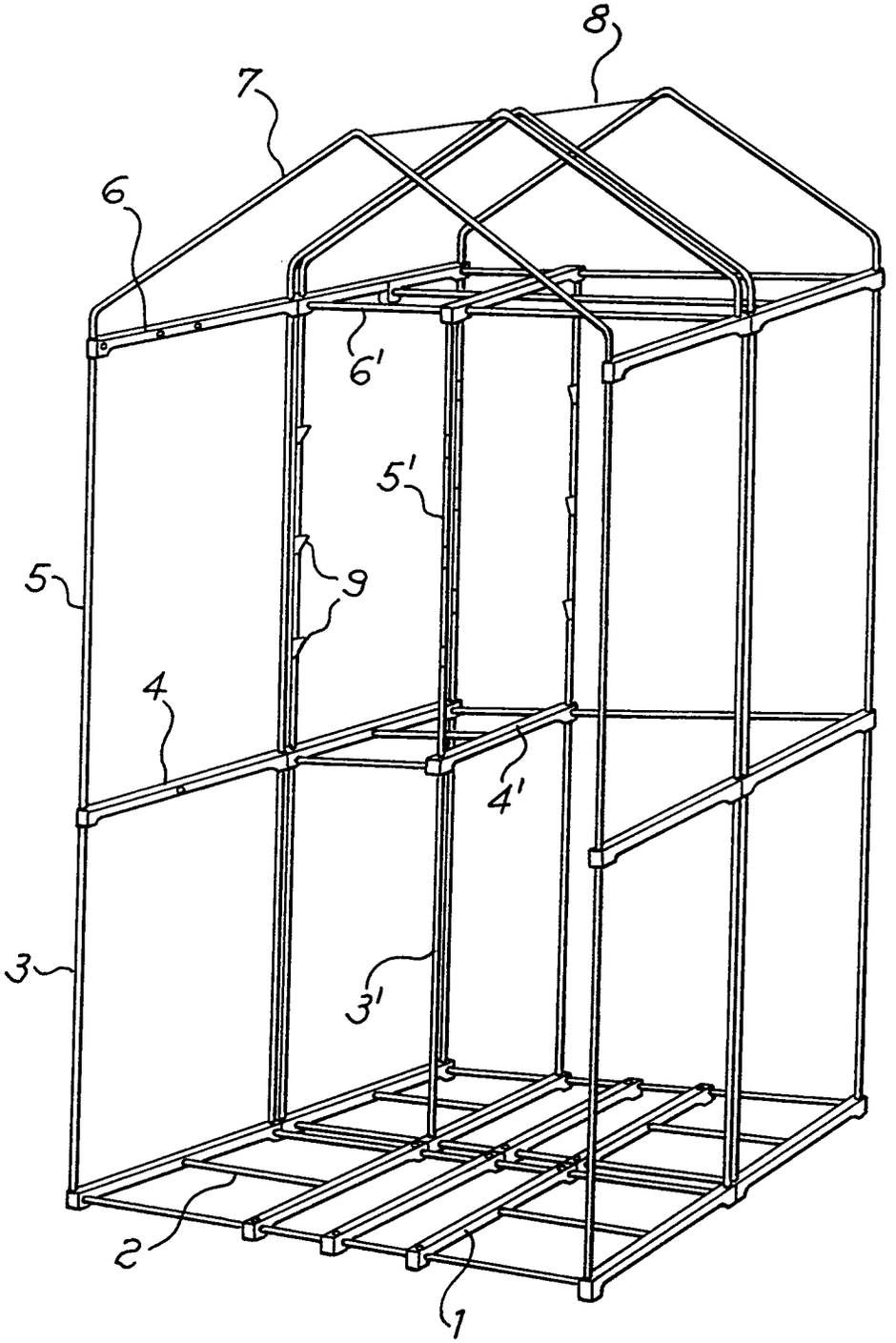
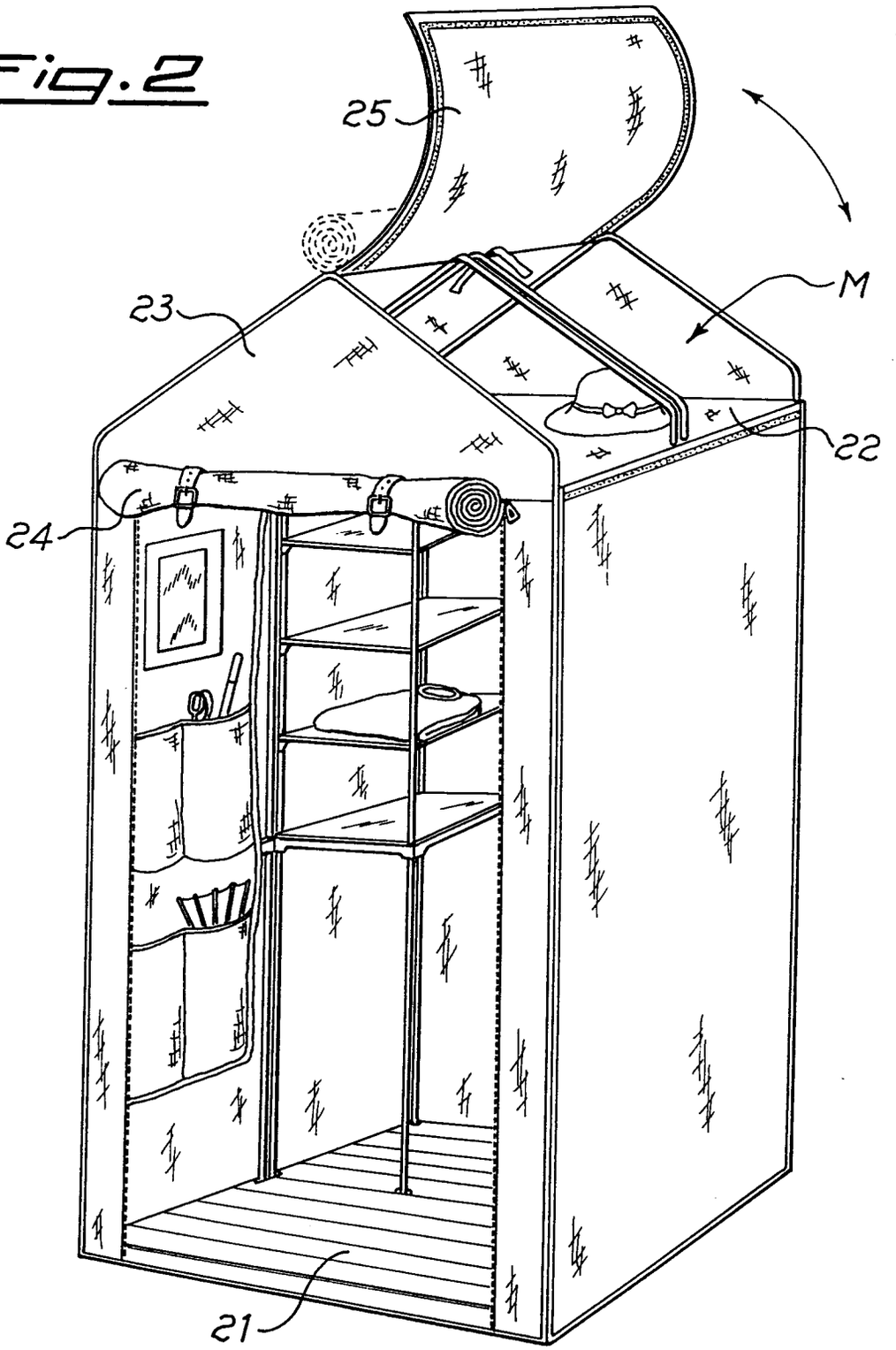


Fig.2



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EUROPEAN SEARCH REPORT

Application Number
EP 93 83 0149

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.5)
X A	US-A-4 067 346 (HUSTED) * column 2, line 32 - line 66 * * column 5, line 32 - line 43; figures 1,4 * ---	1 3	E04H15/00
X	US-A-4 938 243 (FOSTER) * column 2, line 60 - column 3, line 38; figure 1 * ---	1	
X	BE-A-651 840 (DESPUJOLS) * page 4, line 7 - page 5, line 15; figures 1-3 * ---	1,4	
A	GB-A-587 541 (BELLOW) * page 2, line 63 - line 85; figure 1 * -----	1-3	

TECHNICAL FIELDS SEARCHED (Int. Cl.5)

E04H
A47B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	23 JUNE 1993	BARBAS A.

CATEGORY OF CITED DOCUMENTS

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