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(54) **Clothes rack**

Kleiderständer

Étagère pour vêtements

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(73) Proprietor: **Rayen, S.L.**
08850 Gava (Barcelona) (ES)

(72) Inventor: **Casajuana Lindhorst, Ivo**
08850 Gava (Barcelona) (ES)

(74) Representative: **Molina Garcia, Julia Moratin, 11**
46002 Valencia (ES)

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Description

Aim of the invention

[0001] This invention relates to a clothes rack, of the type used to dry clothes in the open air, a clothes rack that can be of the wall or tower type, indistinctively, with or without wings, or any other type, and either metallic or plastic.

[0002] The aim of the invention is to obtain a clothes rack that can fulfil its role of supporting clothing items, without the need for pegs.

Background to the invention

[0003] There are many structural solutions for clothes racks, ranging from using brackets attached to the wall, between which ropes are hung, which can be fixed or mobile, to foldable clothes racks, that are simply arranged on the floor and that have an articulated structure that can support a top frame, in which a series of parallel rods are arranged that can be used as a means for supporting the clothes, and with these clothes racks usually having foldable wings that extend said frame at the ends thereof. There are also rotary clothes racks that attach to a wall, freestanding clothes racks with legs arranged in scissor fashion or with collapsible legs, etc.

[0004] All these clothes racks have as a common denominator the fact that normally and in order to support the clothes, it is necessary that the commonly called "pegs" have to be used, in the form of a pair of arms that tend to close owing to the effect of a spring, clamping the clothes against the clothes rack ropes or rods.

[0005] The unavoidable use to date of these pegs involves a double problem situation, on the one hand, with wall clothes racks, the pegs often fall off and are consequently lost, and on the other hand, and at any event, the need to use one hand to hold the pegs, limits manoeuvrability when placing clothes on the rack.

[0006] DE-U-29902669 discloses a clothes rack with a support structure for a series of ropes or rods with an elastic element wound in spiral along said ropes or rods.

Description of the invention

[0007] The clothes rack that the invention proposes solves the above-mentioned problem situation in a fully satisfactory manner, since, as already discussed, it enables clothes to be held without using conventional pegs.

[0008] To this end, and more particularly, said clothes rack, based on the structure of any of the above-mentioned conventional clothes racks, focuses its characteristics on the fact that each rope or rod is aided by an elastic filiform element, wound in spiral fashion all along said rope or rod, so that the clamping effect is obtained, at any point along said ropes or rods, by introducing the clothes between said rope or rod and the elastic element.

[0009] Based on this essential structure, it is possible

for the clothes rack to have an independent filiform element for each rope or rod, or for an individual filiform element to cover all the rods on the rack.

[0010] According to another of the invention's characteristics, and in order to attach said elastic elements to the rack structure, it has been envisaged to use a plastic grip that is channel shaped, with its profile and length suited to the element or part of the clothes rack to which it has to be attached, which at the same time clamps said elastic and filiform element(s), with said clamping action being guaranteed by the grip's rivets and the co-operation of its internal ribs that cross over with respect to the actual filiform element.

[0011] Said plastic parts or grips can be secured to the rack in correspondence with the smaller ends of its rectangular frame, in the case of a free-standing rack, on the opposite sides of the rack wings, if the rack has wings, on the brackets of a rack attached to the wall, and in general on all those elements to which in turn the ropes or rods of the clothes rack are fixed.

[0012] Finally, and according to another of the invention's characteristics, in the specific case of free-standing clothes racks, in the middle of the spurs that form the frame and which are parallel to the rack's ropes or rods, respective plastic parts are provided that have a double function: on the one hand to attach two ropes in a V-shaped arrangement, so as to attach the clothes on the clothes rack and in turn prevent the wind from loosening any garment, and on the other hand to secure the wings of the rack when the latter is not in use, preventing them from opening when said rack is folded.

Description of the drawings

[0013] In order to complement the description provided and to help improve the understanding of the invention's characteristics, according to a preferable embodiment thereof, a set of drawings is provided as an integral part of said description, in which the following has been represented, as an illustrative, non-limiting example;

Figure 1.- Shows, according to a general perspective view, a freestanding, foldable clothes rack, made according to the aim of the invention.

Figure 2.- Shows a partial detail, in perspective view, of the clothes rack in the preceding figure, corresponding to the area where a grip is attached to the clothes rack structure, which grip appears unattached from said structure.

Figure 3.- Shows, finally, a perspective view of one of the grips, on the opposite face to that shown in Figure 2.

Preferable embodiment of the invention

[0014] In the embodiment shown in the figures, a clothes rack (1) has been chosen of the type made up of a rectangular frame (2) in the centre of which a series of

support rods (3) are arranged in a parallel, longitudinal direction, with frame (2) resting on an articulated, scissor-type structure (4), and to which a pair of collapsible wings (5) are linked in an articulated fashion at the ends thereof, which make it possible to increase the operational surface of the clothes rack and which also have support rods (6), in this case perpendicular to the former, but the invention is applicable, as already mentioned, to any other type of clothes rack.

[0015] Therefore, according to the invention and as can be particularly appreciated in Figure 2, each of the clothes rack rods (3-6) comprises, wound in spiral fashion around them, an elastic filiform element (7) that can be rubber or any other material either natural or synthetic that provides the necessary elasticity, so that between said filiform element (7) and the corresponding rod (3) a series of loops (8) are defined, aligned longitudinally and which are elastically deformable and behave like "pegs" to attach the clothes.

[0016] These filiform elements (7) will affect all the clothes rack ropes or rods and could be fragmented, in other words there could be a filiform element for each rod, or, as in the embodiment example shown in Figure 2, it could be an individual element with toggles along its length, corresponding to the areas of inflection needed to move from one rod to the adjacent one.

[0017] At any event, elastic elements (7) attach to the clothes rack structure with the co-operation of grips (9), in the form of channel-shaped parts with a profile adapted to that of structure (2-5) of the clothes rack, forming clamps that pinch filiform elements (7) against the spurs or cross members (2-5) of said structure, and which are attached thereto with the help of rivets (10). In order to improve the aesthetical appearance, grips (9) have cups in correspondence with holes (11) for the rivets to pass through, and on the inner face they have longitudinal ribs (12) that "fasten" onto filiform element (7) reinforcing the attachment.

[0018] As can be observed in Figure 1, grips (9) are placed on the ends of rectangular and central frame (2), as well as on the sides of each wing (5).

[0019] Finally, it only remains to mention that on the middle of the spurs of central frame (2) respective plastic parts (13) can be placed as a removable means for attaching two V-shaped ropes (14) which, as mentioned above, have, on the one hand, the function of retaining the clothes if they are blown by the wind, and on the other hand, and changing the position shown in Figure 1, of acting as attachment means for wings (5) when the clothes rack is not in use, in other words when it is duly folded.

Claims

1. A clothes rack (1), of the type having a support structure, either a wall or free-standing type, for a series of ropes or rods (3) forming the actual means for

holding the clothes, incorporating in correspondence with each of said ropes or rods (3) an elastic filiform element (7), for example, made of rubber, wound in spiral fashion so that between the filiform element (7) and the corresponding rope or rod (3), a longitudinal alignment of elastically deformable loops (8) is formed, which act as a means for clamping the clothes, **characterized in that** it comprises only one elastic filiform element (7) which through suitable toggles along its length covers all the ropes or rods (3) of the clothes rack (1) or each independent part thereof.

2. Clothes rack (1) according to claim 1, **characterized in that** it comprises a series of grips (9), each having a channel-shaped body, preferably made from plastic, which has a suitable shape and size to snap attach to the clothes rack structure, corresponding to the areas of said clothes rack (1) on where said ropes and rods (3) are arranged, with said grips (9) being attached by means of rivets (10) and having ribs (12) on its inner faces that press against the elastic filiform elements (7), reinforcing the attachment thereof.
3. Clothes rack (1) according to any of the preceding claims 1-2, **characterized in that**, in the case of a free-standing clothes rack (1), in the middle of the spurs corresponding to the frame (2) where ropes and rods (3) are arranged, it comprises respective plastic parts (13) provided as an attachment means for a pair of V-shaped extending ropes (14), which act as a means for retaining the clothes to stop them from accidentally falling, and as a means for attaching wings (5) of the clothes rack (1) when it is not in use.

Patentansprüche

1. Kleiderständer (1), mit einer Stützstruktur, entweder einer Wand oder freistehend, für eine Reihe von Leinen oder Stäben (3), die die eigentliche Kleiderhaltervorrichtung darstellen, wobei jeder Leine oder jedem Stab (3) entsprechend ein elastisches fadenförmiges Element (7), zum Beispiel aus Gummi, eingebaut ist, das spiralartig aufgerollt ist, so dass zwischen dem fadenförmigen Element (7) und der entsprechenden Leine oder des entsprechenden Stabs (3) eine Längsausrichtung aus elastisch deformierbaren Schleifen (8) entsteht, die als Vorrichtung zum Festklemmen der Kleidungsstücke wirken, **dadurch gekennzeichnet, dass** er lediglich ein elastisches fadenförmiges Element (7) aufweist, das über geeignete längs daran angeordnete Knebel alle Leinen oder Stäbe (3) des Kleiderständers (1) oder jedes seiner unabhängigen Teile bedeckt.

2. Kleiderständer (1) nach Anspruch 1, **dadurch gekennzeichnet, dass** er eine Reihe von Griffrohre (9) aufweist, jeweils mit einem kanalförmigen Körper, vorzugsweise aus Kunststoff, der eine geeignete Form und Größe aufweist, so dass er entsprechend der Bereiche des Kleiderständers (1), auf dem die Leinen und Stäbe (3) angeordnet sind, in die Struktur des Kleiderständers einrastet, wobei die Griffrohre (9) über Nieten (10) befestigt sind und an ihren Innenflächen, die gegen die elastischen fadenförmige Elemente (7) drücken, Rippen (12) aufweist, mit denen deren Befestigung verstärkt wird. 5
3. Kleiderständer (1) nach Anspruch 1 oder 2, **dadurch gekennzeichnet, dass** bei einem freistehenden Kleiderständer (1) in der Mitte der dem Rahmen (2), an dem die Seile und Stangen (3) angeordnet sind, entsprechenden Streben, entsprechende Kunststoffteile (13) vorhanden sind, die als Befestigungsmittel für ein Paar V-förmiger Leinen (14) vorgesehen sind, die als Mittel zum Festhalten der Kleidungsstücke dienen und diese daran hindern sollen, unbeabsichtigt herunterzufallen, sowie als Mittel zur Befestigung der Flügel (5) des Kleiderständers (1), wenn dieser nicht benutzt wird. 10 15 20 25
3. Une étagère pour vêtements (1) conforme à l'une quelconque des revendications précédentes 1-2, et **caractérisée en ce que**, dans le cas d'une étagère pour vêtements du type mobile (1), au milieu des embranchements correspondant avec le cadre (2) où sont disposées les cordes et les barres (3), des pièces respectives en plastique (13) sont incluses qui servent de moyen de fixation pour deux cordes en forme de V (14) qui agissent comme un frein évitant que les vêtements ne tombent accidentellement, et comme un moyen de fixation des rabats (5) de l'étagère pour vêtements (1) lorsque celle-ci n'est pas utilisée.

Revendications

1. Une étagère pour vêtements (1), du type comportant une structure de support, soit murale soit du type mobile, pour une série de cordes ou de barres (3) qui constituent le moyen de maintenir des vêtements, et incorporant, en correspondance avec chacune de ces cordes ou barres (3), un élément filiforme élastique (7), fabriqué en caoutchouc par exemple, en forme de spirale de façon à ce que, entre l'élément filiforme (7) et la corde ou la barre (3) correspondante, un alignement longitudinal de boucles déformables élastiquement (8) puisse être formé, qui agisse comme un moyen d'accrocher des vêtements, et **caractérisée en ce qu'**elle comprend un seul élément filiforme élastique (7) qui, au moyen de fermoirs adéquats sur toute la longueur, recouvre toutes les cordes ou barres (3) de l'étagère pour vêtements (1) ou bien chaque partie qui est indépendante de celle-ci. 30 35 40 45
2. Une étagère pour vêtements (1) conforme à la revendication 1, et **caractérisée en qu'**elle comprend une série de poignées (9), chacune d'entre elles ayant un corps en forme de canal, fabriqué de préférence en plastique, qui a une forme adéquate et une dimension appropriée pour se fixer d'un coup sec à la structure de l'étagère pour vêtements correspondant aux zones de ladite étagère pour vêtements (1) sur laquelle sont disposées lesdites cordes et barres (3), et lesdites poignées (9) étant attachées 50 55

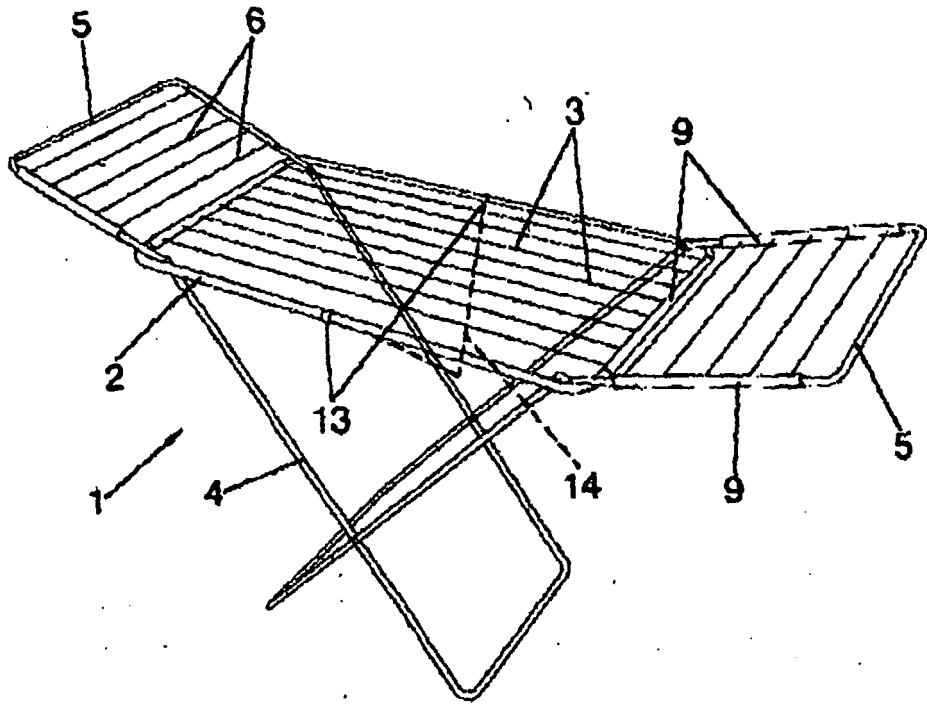


FIG. 1

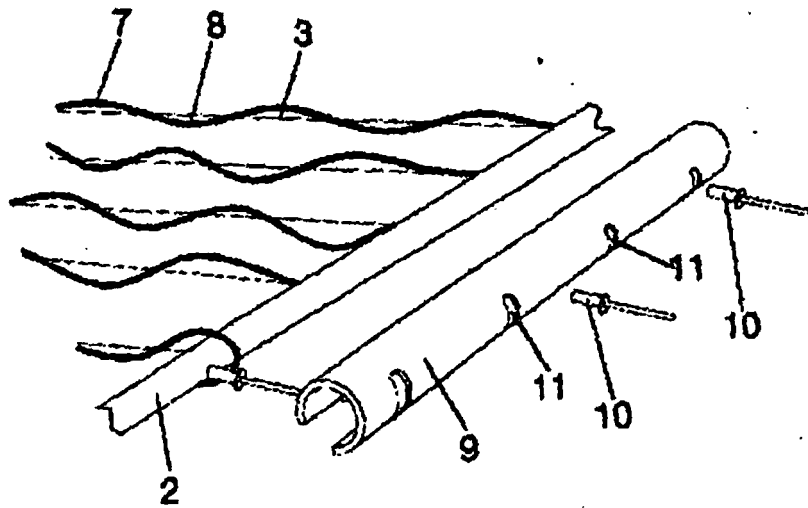


FIG. 2

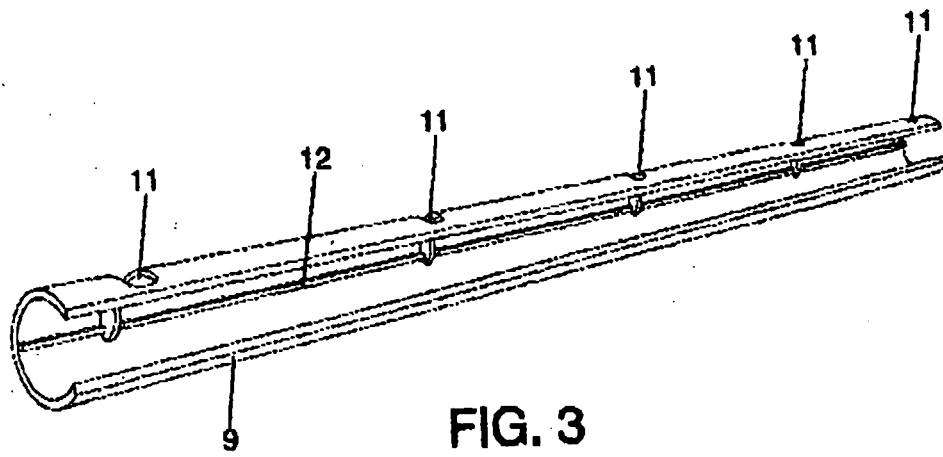


FIG. 3

REFERENCES CITED IN THE DESCRIPTION

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