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(54) **DEVICE FOR HANGING UP A DISPLAY PANEL**

(57) The invention comprises a device (3) for hanging up a display panel, which incorporates a closure element in turn constituting a price holder. To that end, the invention is constituted from a body (1) provided with anchoring elements from which emerges a rod arranged horizontally towards the front, which body has an upper, vertical groove accommodating a flange (6) belonging to an arm projected horizontally above the hanging device, the free

end of said horizontal upper arm ending in a horizontal, transverse cylindrical shaft (8) on which a front piece (9) is articulated, said front piece (9) being provided with steps that position and hold a card bearing prices, and which has a hook (12) where the front end of the hanging device is positioned, establishing a closure thereof in order to prevent accidental emergence of the articles therefrom

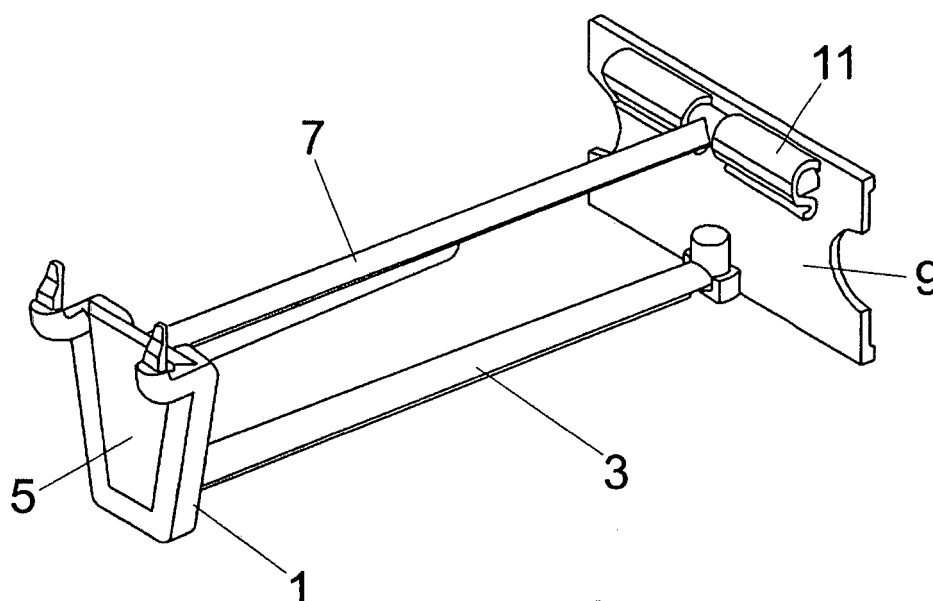


FIG. 1

Description

OBJECT OF THE INVENTION

[0001] The present invention relates to a hanger for exhibition panel, which obvious purpose is the constitution of hanging means for items or products exhibited to the public, for the public to be able to grab them from the hanger itself.

[0002] The object of the invention is to obtain a hanger incorporating a front closing element thereof to prevent the exhibited items from accidentally slipping out, and which closing element in turns constitutes a price holder.

BACKGROUND OF THE INVENTION

[0003] It is known that certain items or products, such as the majority of hardware items and others, are exhibited in vertical panels provided with multiple horizontal holes or slots for elements such as hooks, nuts, etc. to be hung in any position desired on the panels in question with different configurations, the existence of at least one horizontal rod projected forward being the common denominator, such that the objects or items to be exhibited hang on said rod or rods, if there are more than one. Said objects or items to be exhibited are generally individual blister-type packages having a hole or slot to pass the rod or rods through and remain suspended from the same.

[0004] These hangers usually have a U-shaped configuration, that is to say, they are close at their front end, or end in a "T", such that there is a kind of clamp or another similar fastening element on said front end area to hold the identification label of the corresponding item or product and the price thereof.

[0005] The problem is that the exhibition hanger comes on its own and the price holder and/or the product identification label must be affixed to the same.

[0006] Another problem is that known hangers, even those constituted by two rods or by a double bar, lack stopping means to avoid the frontal extraction of the products when this is not desired, that is to say, to avoid the products from accidentally slipping out through the front part, which usually occurs quite frequently.

[0007] Another problem is that when there are few items or products on the support, these products or items occupy the rearmost or rear position, which means greater discomfort during the extraction thereof.

DESCRIPTION OF THE INVENTION

[0008] The hanger for exhibition panel being described herein has been conceived to solve the aforementioned problems, such that, based on an element or body having hooking means to the corresponding panel and with a front rod or a double rod as hanging means of the items or products to be exhibited, it presents the particularity that, in correspondence to the rear part of the body from

which the anchoring elements from which the hanger is projected are projected, there is a vertical slot wherein a piece extending forward forming an arm reaching the length of the hanger itself is introduced as a plug-in, said arm ending in a cylindrical and transverse shaft at its front end according to a horizontal arrangement, to which a piece serving two functions is articulated: one as a closing element of the hanger itself, and the other as a price holder element, given that said piece frontally presents a flat surface with an upper and lower groove to locate the price tag or applicable product identification, while presenting clamps or a narrowed opening on its rear part for the articulation on the horizontal and cylindrical shaft arranged frontally on the arm connected to the rear part of the hanger, specifically of the body of the hanger provided with anchoring means to the exhibition panel, while at the bottom and also through the rear face, this piece having price holding functions constitutes a type of fork coupleable to the front end of the hanger, carrying out the closing thereof such that in order to open it, the price holder piece or element must be tilted upwards because additional force must be exerted given its narrowed opening, thereby preventing the products or items exhibited on the hanger to slip out through the front end thereof since the price holder piece must be intentionally tilted as provided above.

[0009] In addition, this articulated assembly of the piece tilting on the frontal cylindrical shaft of the arm allows stabilizing said price holder piece or element in an opening position for the same, given that exerting a slight pressure downwards on said piece is necessary for it to recover the corresponding closing position.

[0010] Optionally, the device may incorporate a forward and backward sliding piece on the rod of the hanger and the arm, which is driven by a spring that tends to move it constantly forward, thereby pushing all of the items suspended from the rod of the hanger forward.

DESCRIPTION OF THE DRAWINGS

[0011] In order to supplement the description to be made below and with the purpose of aiding a better comprehension of the characteristics of the invention, a set of drawings representing the following in an illustrative rather than limitative manner is attached as an integral part of said description according to a preferred example of a practical embodiment thereof:

Figure 1.- Shows a perspective view of a hanger for exhibition panel made according to the object of the present invention.

Figure 2.- Shows an exploded representation corresponding to a general perspective of the hanger.

Figure 3.- Shows a lateral elevated view of the same hanger represented in the previous figure, showing two objects or items hanging from the same.

Figure 4.- Shows, finally, a plant view of the set represented in figure 1.

PREFERRED EMBODIMENT OF THE INVENTION

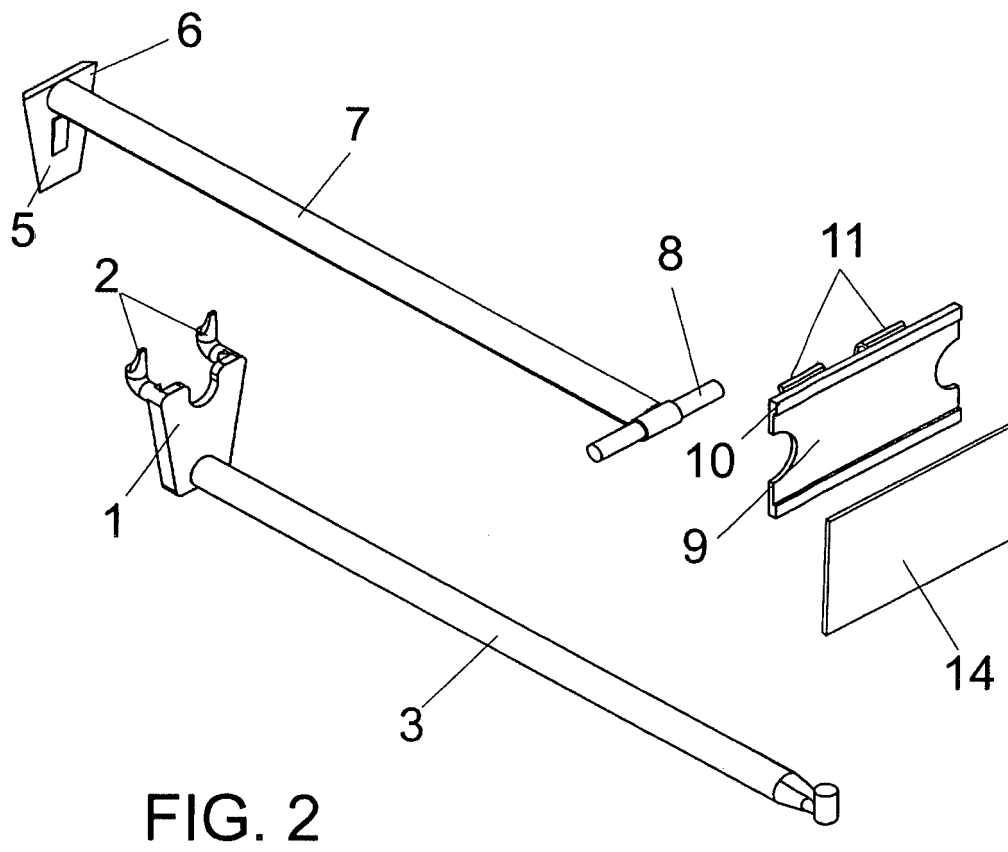
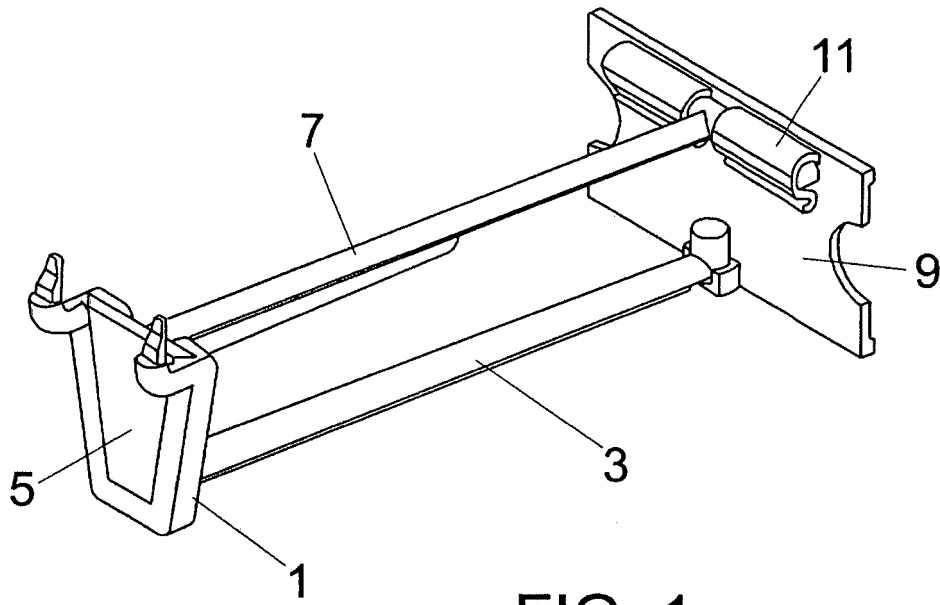
[0012] As shown in the aforementioned figures, the hanger for exhibition panel object of the invention is normally constituted from a body (1), provided in its rear part with anchoring means (2) to the corresponding exhibition panel, rack, or respective place, with the special particularity that from said body (1), a rod (3) as the hanging or suspending element of the items or products (4) to be exhibited, projects forward.

[0013] The rear body (1) of the hanger is provided with a vertical slot (5) wherein a wing (6) belonging to an arm (7) projected horizontally forward is housed, reaching the same length than the hanger (3) itself, with the special particularity that said arm (7) incorporates a horizontal and cylindrical shaft (8) frontally in a transverse arrangement, on which a piece (9), preferably flat, is articulated, and which front includes slots or steps (10) for the positioning and holding of a card (14) showing the identification, price, or other references of the items or products (4) exhibited, such that the articulation of said price holder piece (9) is carried out by means of clamps or narrowed opening slots (11), while it makes up a kind of fork (12) at the bottom where the front end of the hanger (3) to suspend the products or items (4) to be exhibited is positioned, as clearly shown in figure 3.

[0014] In short, piece (9) not only holds the price or other identification features of the products or items (4) to be exhibited, but it also constitutes closing means of the front end of the hanger (3) from which these products or items (4) to be exhibited are suspended, such that from the closing position shown in figure (2), that is to say, the operative position of the piece (9), in order to extract any item or product (4) from the hanger (3), the manual tilting of said piece (9) must be carried out, exerting additional force according to the upwards direction indicated by the double arrow (13) represented in said figure 3, such that, by virtue of the narrowing presented by the engaging clamp or piece (11) of the shaft (8) of the arm (7), the piece (9) can occupy or remain stable in any partial opening position, enabling, as provided above, the extraction of items or products (4) with respect to the hanger (3). In order to close it, the piece (9) must be tilted in the opposite direction, that is to say, downwards according to the double arrow (13), engaging the front end of the hanger (3) in the fork (12) of the piece (9), in order to close the hanger and thereby prevent the items or products (4) suspended from that hanger (3) to accidentally slip out and fall. This closing system also prevents the possibility of a quick extraction in the case of a robbery.

Claims

1. Hanger for exhibition panel, constituted from a body provided with anchoring elements to an ornament, panel, or another appropriate place, one or two rods acting as hangers for the products to be exhibited emerging from this body in the forward direction, said rod arranged horizontally forward, **characterized in that** the body (1) from which the front rod emerges as a hanging element per se, presents an upper and vertical slot (5) wherein a wing (6), belonging to an arm (7) projected horizontally above the hanger, is housed as a plug-in, the free end of said upper horizontal arm ending in a horizontal cylindrical and transverse shaft (8), wherein a sensibly flat front piece is articulated on its front face and is provided with steps to constitute positioning and holding means of a price holder or other identification card of the products to be exhibited suspended from the hanger; having envisaged a kind of fork (12) at the bottom end of said piece, wherein the front end of the hanger (3) is positioned establishing a closing thereof to prevent the items suspended from the same from accidentally slipping out or falling.
2. Hanger for exhibition panel according to claim 1, **characterized in that** the articulation of the price holder and closing front piece (9), on the horizontal upper arm (7), is constituted by a housing of the horizontal cylindrical and transverse shaft of said arm in clamps or slots (11) with narrowed opening envisaged for said purpose in the price holder piece.
3. Hanger for exhibition panel according to claim 1, **characterized in that** on the rod constituting the hanger, a forward and backward sliding piece of the items suspended from the hanger is assembled, which is driven by a spring affixed between said piece and the front end of the hanger that tends to move it constantly forward.



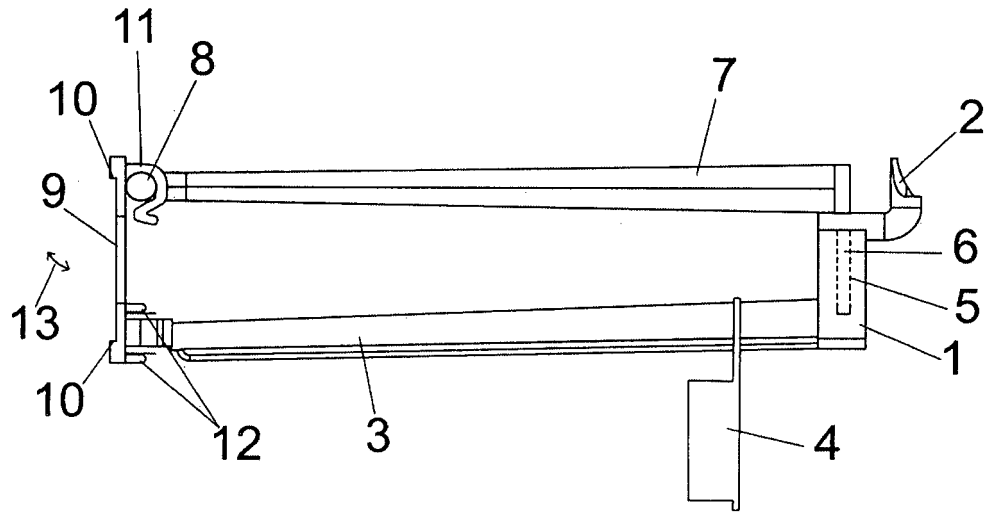


FIG. 3

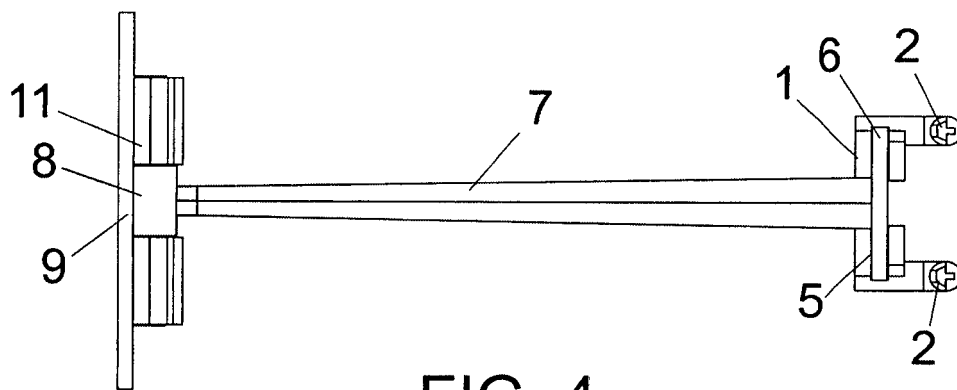


FIG. 4

INTERNATIONAL SEARCH REPORT

International application No.
PCT/ES2011/000154

A. CLASSIFICATION OF SUBJECT MATTER

A47F5/08 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A47F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, INVENES, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5012997 A (HUTCHISON V JAMES) 07/05/1991, Description: column 3, line 14-49; column 4, line 6-17; column 7, line 59 - column 8, line 22; figures.	1-3
A	WO 0028512 A1 (HL DISPLAY AB ET AL.) 18/05/2000, Description: page 4, line 8 - page 5, line 30; figures.	1-3
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A	ES 2357359 T3 (CHECKPOINT SYSTEMS INC) 25/04/2011, description: page 4, line 14-23; page 5, line 27-29; figures.	1-3

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance.	
"E" earlier document but published on or after the international filing date	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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International application No.

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C (continuation).		DOCUMENTS CONSIDERED TO BE RELEVANT
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