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Remarks:

Amended claims in accordance with Rule 86 (2) EPC.

(54) **Hanging cabinet**

(57) Disclosed is a hanging cabinet which includes a cabinet body that defines therein a plurality of storage compartments each having an opening and a sloping bottom wall sloping backwardly downwards from the respective opening toward the respective inner side, a swivel hook provided at the top side of the cabinet body for hanging, and a plurality of pockets symmetrically provided at two opposite lateral sides of the cabinet body.

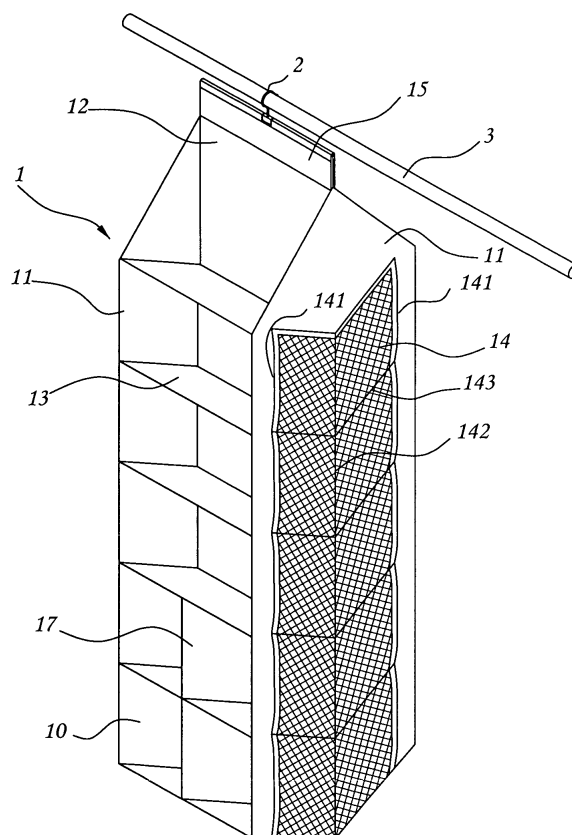


FIG. 1

Description

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0001] The present invention relates a cabinet and more particularly, to a hanging cabinet that can be hung inside a wardrobe or on an overhead place to keep clothes or other things.

2. Description of the Related Art

[0002] Due to limited house space, people may hang a hanging cabinet on the back side of the door panel of the door of the kitchen or a wall inside a room for keeping small items. A conventional hanging cabinet is known comprising a body shell formed of tough and flexible sheet material (for example, canvass) and arranged around the top, bottom left and right sides, and a plurality of partition members arranged in the body shell at different elevations to divide the holding space of the body shell into having a plurality of front-open compartments for keeping things. A top opening may be formed in the top side of the body shell for the mounting of a hanger for hanging on a hanging rod inside a wardrobe or at a wall. Hook and loop materials may be used to secure the hanging cabinet to a hanging rod inside a wardrobe or at a wall. According to the aforesaid conventional design, the front-open compartments of the hanging cabinet each have a flat bottom wall that is kept in horizontal. Storage items may protrude over the front side of the front-open compartments, destructing the sense of beauty of the hanging cabinet. Further, storage items may fall out of the front-open compartments when the hanging cabinet is vibrated accidentally. Further, after installation of the hanging cabinet, the user cannot rotate the hanging cabinet through 360-degrees. This limitation narrows the application of the hanging cabinet.

SUMMARY OF THE INVENTION

[0003] The present invention has been accomplished under the circumstances in view. It is the main object of the present invention to provide a hanging cabinet, which keeps storage items in a neat status. It is another object of the present invention to provide a hanging cabinet, which prevents storage items from falling out accidentally. It is still another object of the present invention to provide a hanging cabinet, which has added side storage space for holding things.

[0004] To achieve these and other objects of the present invention, the hanging cabinet comprises a cabinet body, which defines therein a plurality of storage compartments each having an opening and a sloping bottom wall sloping backwardly downwards from the respective opening toward the respective inner side, and a plurality of pockets symmetrically provided at two opposite

lateral sides of the cabinet body. The pockets may be fastened to the cabinet with stitches, hook and loop materials, or snaps. Further, a swivel hook is provided at the top side of the cabinet body for hanging. By means of the swivel hook, the hanging cabinet can be hung on a rod member inside a wardrobe and freely rotated through 360-degrees.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005]

FIG. 1 is a perspective view of a hanging cabinet according to a first embodiment of the present invention.

FIG. 2 is a perspective view of an alternate form of the hanging cabinet according to the present invention.

FIG. 3 is a perspective view of another alternate form of the hanging cabinet according to the present invention.

FIG. 4 is a schematic side plain view of the hanging cabinet according to the present invention.

FIG. 5A is schematic front plain view of the top hook according to the present invention.

FIG. 5B is a side view of the top hook according to the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0006] Referring to FIGS. 1 and 2, a hanging cabinet in accordance with a first embodiment of the present invention is shown comprising a cabinet body **1** made out of a tough and flexible sheet material (for example, canvass). The cabinet body **1** has two vertical side panels **11**, a vertical middle partition panel **12** connected between the two vertical side panels **11** on the middle, and a plurality of transverse partition panels **13** respectively symmetrically connected between the two vertical side panels **11** at two opposite sides of the vertical middle partition panel **12** at different elevations. Each transverse partition panel **13** defines with the two vertical side panels **11** and the vertical middle partition panel **12** a storage open chamber **10** for keeping things. One or a number of small vertical partition panels **17** may be installed in each storage open chamber **10** to divide the respective storage open chamber **10** into multiple small storage open chambers (see FIG. 1). Further, each transverse partition panel **13** slopes downwardly backwards toward the vertical middle partition panel **12** at a sloping angle, for example, 45-degrees. Therefore, each storage open chamber **10** has a sloping bottom wall sloping downwardly inwards toward the inner side to prevent falling of storage items upon vibration of the hanging cabinet accidentally. The transverse partition panels **13** may be arranged in parallel. Alternatively, the transverse partition panels **13** can be set at different sloping angles. Further, the partition panels **13** can be fixedly fastened to the vertical

side panels **11** and the vertical middle partition panel **12** with stitches, hook and loop materials, snaps, or any of a variety of fastening means.

[0007] Further, a covering **14** is prepared from a flexible sheet material (canvass, meshed cloth) and fixedly fastened to the outer side of each vertical side panel **11** of the cabinet body **1** and stitched with transverse seam lines **142** and vertical seam lines **143**, thereby forming a plurality of pockets **141** for keeping things. The transverse seam lines **142** can be made sloping in one direction as shown in FIGS. 1 and 2, or in horizontal as shown in FIG. 3.

[0008] Further, the side bag **14** can be fastened to the cabinet body **1** with hook and loop materials, snaps, or any suitable fastening means.

[0009] Further, a hanging plate **15** is provided at the top side of the vertical middle partition panel **12**. The hanging plate **15** has a top hook **2** for hanging on a rod member **3**.

[0010] Referring to FIGS. 5A and 5B, the top hook **2** is pivotally coupled to a holder frame **23** that is fastened to a rod **16** at the top side of the hanging plate **15**. Bending a metal plate member into a predetermined shape, having a through hole **231**, makes the holder frame **23**. Before bending the metal plate member into shape to form the holder frame **23**, the hook **2** is inserted through the through hole **231** with the expanded endpiece **21** thereof stopped at one side of the metal plate member. Further, a washer **22** is mounted on the hook **2** and stopped between the expanded endpiece **21**. After insertion of the hook **2** through the through hole **231**, the metal plate member is bent into shape around the rod **16** at the top side of the hanging plate **15**. When installed, the top hook **2** can be rotated through 360-degrees relative to the hanging plate **15**.

[0011] Referring to FIG. 4 and FIGS. 1~3 again, because the storage open chambers **10** and the pockets **141** respectively downwardly slope toward the respective inner side, storage items can be well kept inside the storage open chambers **10** and the pockets **141** and will not fall out of the storage open chambers **10** or the pockets **141** when the hanging cabinet is oscillated or shaken by an external force accidentally.

[0012] Although particular embodiments of the invention have been described in detail for purposes of illustration, various modifications and enhancements may be made without departing from the spirit and scope of the invention. Accordingly, the invention is not to be limited except as by the appended claims.

Claims

1. A hanging cabinet comprising:

a cabinet body, said cabinet body having two side panels and defining a plurality of storage compartments between said two side panels,

said storage compartments each having an opening and a sloping bottom wall sloping backwardly downwards from the respective opening toward a respective inner side thereof; and a plurality of pockets provided at said side panels at an outer side.

2. The hanging cabinet as claimed in claim 1, wherein said cabinet body and said pockets are respectively formed of flexible sheet materials.

3. The hanging cabinet as claimed in claim 2, wherein said storage compartments are symmetrically provided at front and rear sides of said cabinet body.

4. The hanging cabinet as claimed in claim 3, wherein said pockets are symmetrically provided at said two side panels at an outer side.

5. The hanging cabinet as claimed in claim 1, wherein said pockets slope downwardly backwards from a respective front opening thereof toward an inner side thereof.

6. The hanging cabinet as claimed in claim 1, wherein said pockets are respectively arranged in horizontal.

7. The hanging cabinet as claimed in claim 4, wherein said pockets slope downwardly backwards from a respective front opening thereof toward an inner side thereof.

8. The hanging cabinet as claimed in claim 4, wherein said pockets are respectively arranged in horizontal.

9. The hanging cabinet as claimed in claim 3, wherein said pockets are respectively affixed to said side panels of said cabinet body with stitches.

10. The hanging cabinet as claimed in claim 3, wherein said pockets are respectively fastened to said side panels of said cabinet body with hook and loop materials.

11. The hanging cabinet as claimed in claim 3, wherein said pockets are respectively fastened to said side panels of said cabinet body with snaps.

12. The hanging cabinet as claimed in claim 1, wherein said cabinet body has a hanging plate provided at a top side thereof, a holder frame fixedly provided at said hanging plate, and a swivel hook pivoted to said holder frame for hanging.

Amended claims in accordance with Rule 86(2) EPC.

1. A hanging cabinet comprising:

a cabinet body (1) having two side panels (11) and defining a plurality of storage compartments (10) between two said side panels (11), said storage compartments (10) each having an opening; and
 a plurality of pockets (141) provided at said side panels (11) at an outer side;
characterized in that the cabinet has a vertical middle partition panel (12), said storage compartments (10) being symmetrically provided at front and rear sides of said cabinet body (1) each compartment having a sloping bottom wall (13) sloping backwardly downwards from the respective opening toward the middle partition panel (12); and
 a top hook (2) rotatably mounted on the cabinet to allow the cabinet to rotate freely through 360 degrees when hung on a rod in a wardrobe.

2. The hanging cabinet as claimed in claim 1, wherein the cabinet body and said pockets are respectively formed of flexible sheet materials.
3. The hanging cabinet as claimed in claim 1 or 2, wherein said pockets (141) are symmetrically provided at said two side panels (11) at an outer side.
4. The hanging cabinet as claimed in any preceding claim, wherein said pockets (141) slope downwardly backwards from a respective front opening thereof toward an inner side thereof.
5. The hanging cabinet as claimed in any of claims 1-3, wherein said pockets (141) are respectively arranged horizontally.
6. The hanging cabinet as claimed in claim 2, wherein said pockets (141) are respectively affixed to said side panels of said cabinet body with stitches.
7. The hanging cabinet as claimed in claim 2, wherein said pockets are respectively fastened to said side panels of said cabinet body with hook and loop materials.
8. The hanging cabinet as claimed in claim 2, wherein said pockets are respectively fastened to said side panels of said cabinet body with snaps.
9. The hanging cabinet as claimed in claim 1, wherein said cabinet body has a hanging plate (15) provided at a top side thereof, a holder frame (23) fixedly provided at said hanging plate (15), and said hook (2) being rotatably mounted to said holder frame (23).
10. The hanging cabinet as claimed in claim 9, wherein the hanging plate (15) is provided at the top side of the vertical middle partition panel 12.

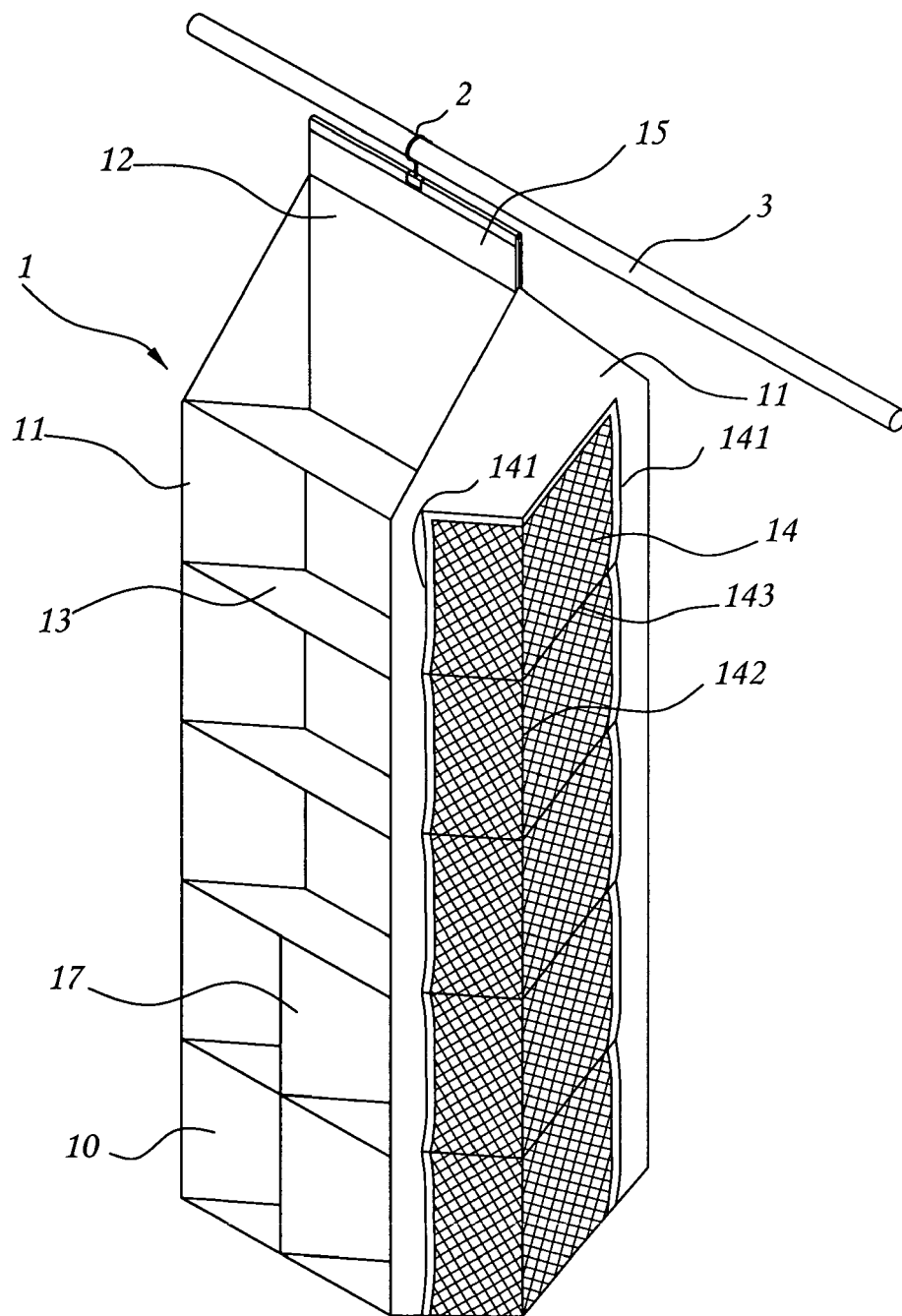


FIG. 1

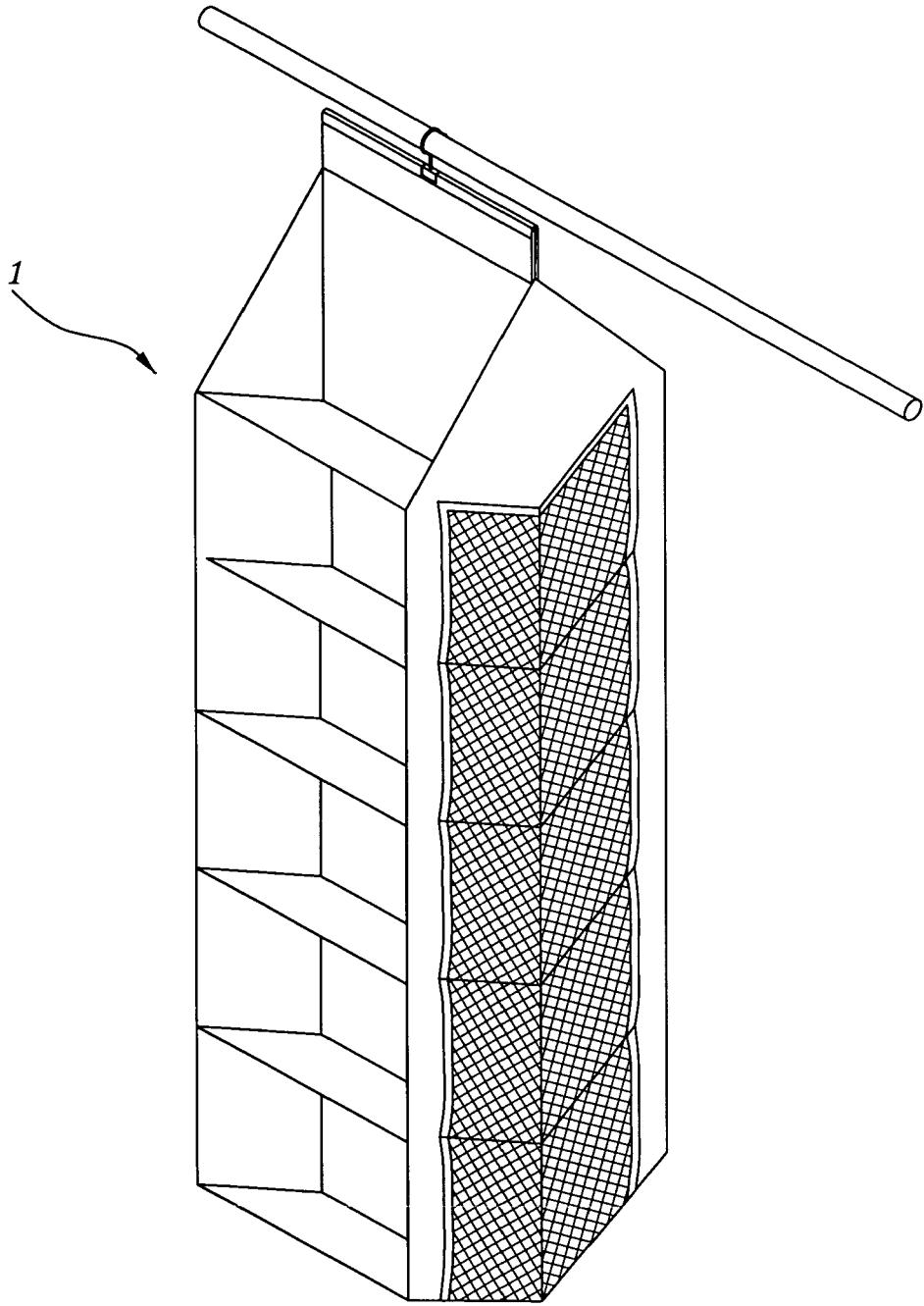


FIG. 2

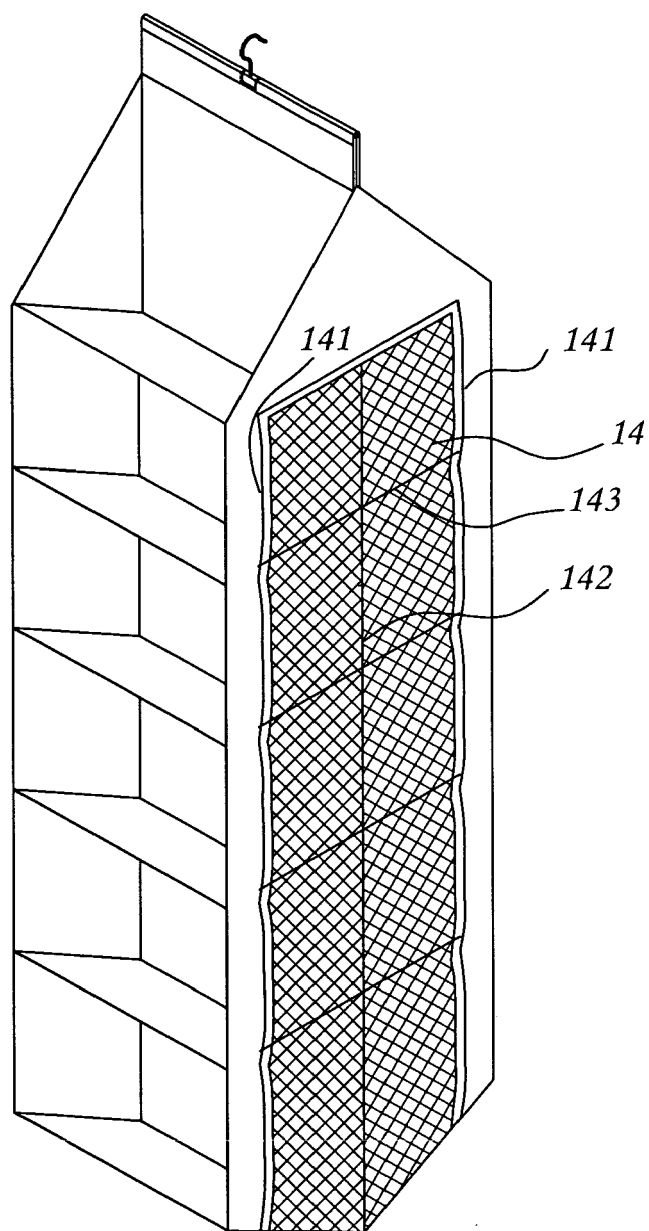


FIG. 3

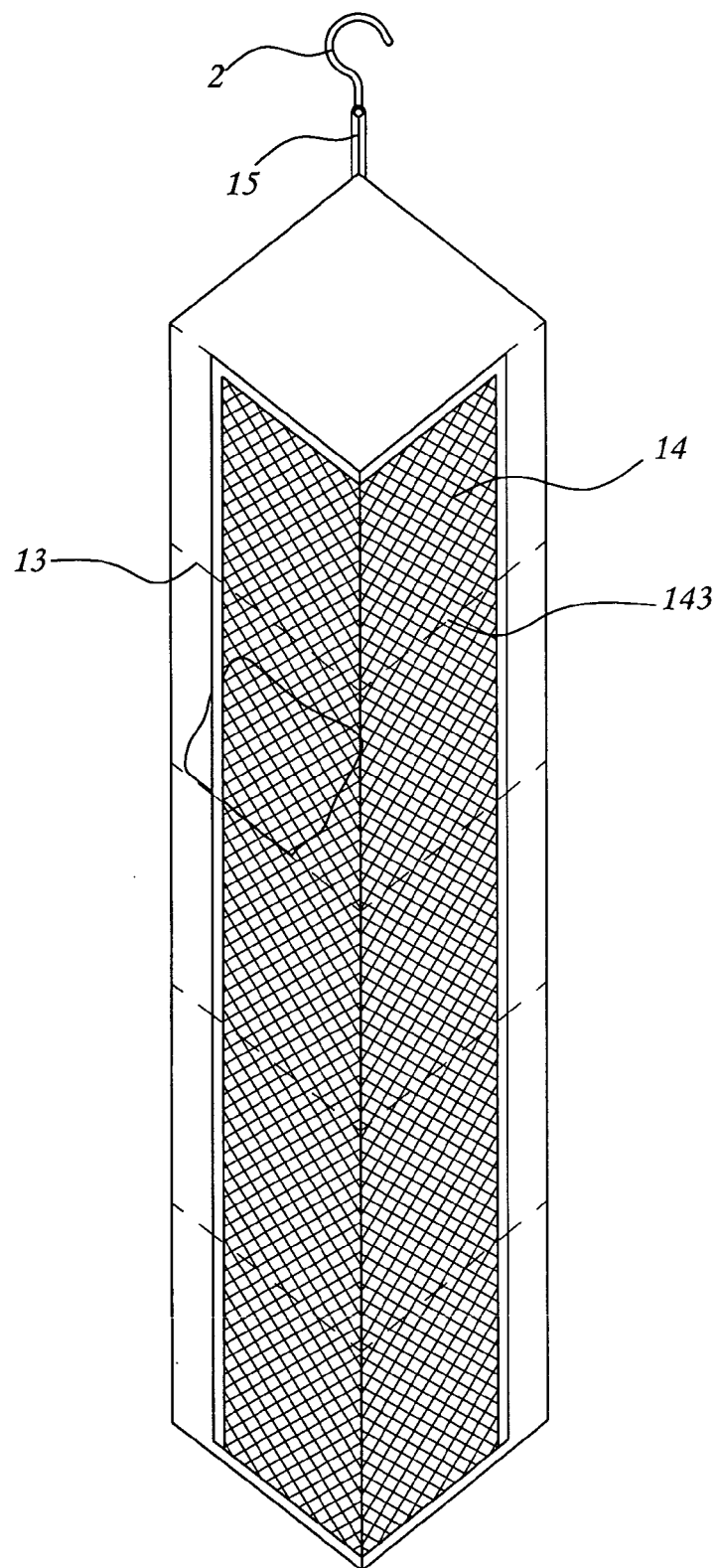


FIG. 4

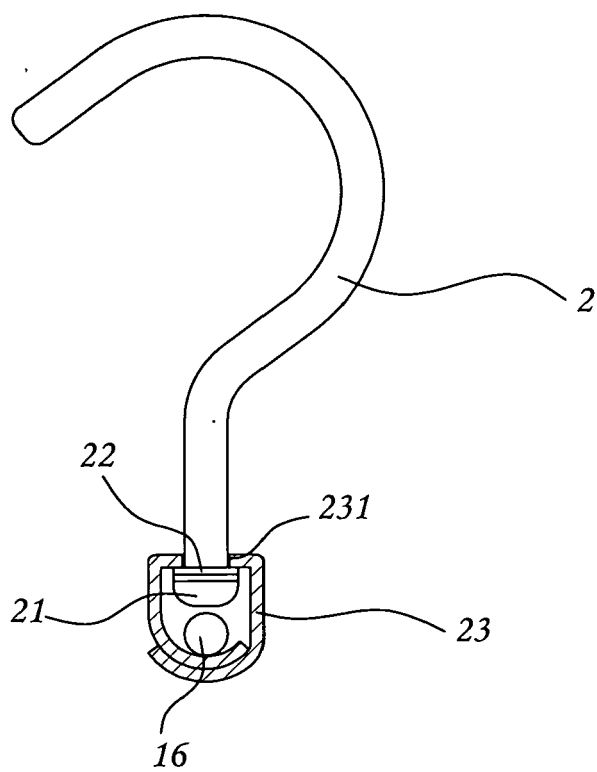


FIG. 5A

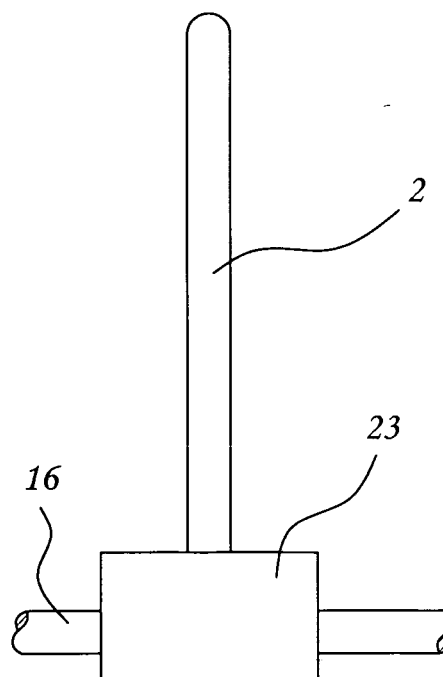


FIG. 5B



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 00 0852

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	----- DE 20 2004 015699 U1 (WANG WEN-TSAN) 27 January 2005 (2005-01-27) * the whole document *	1	TECHNICAL FIELDS SEARCHED (IPC) A47B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 28 April 2006	Examiner Reichhardt, O
CATEGORY OF CITED DOCUMENTS 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 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 & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 00 0852

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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28-04-2006

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