A suspensible flat Christmas tree comprises at least one triangular frame, a hanger mounted on a top of the Christmas tree, a stand for supporting the at least one frame in an upright position, and at least one branch wrapped and interlaced on the frame and defining a plurality of hanging cavities for hanging gifts therein.
PLANE CHRISTMAS TREE FOR DISPLAYING

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

The present invention relates to a plane Christmas tree, especially to an artificial Christmas tree that is designed for displaying.

[0002] 2. Description of Prior Art

It has become popularly for those who celebrate a specific holiday, such as Christmas, to decorate their houses with a tree. In the case of Christmas, it is traditional to use an evergreen tree for this purpose, and for centuries such trees have been grown and cut down or dug up live, transported to a selling area, and bought and brought home by the celebrants. Due to the nature of the marketplace, this has often resulted in either a large glut or shortage of such trees available at Christmas, and it has always resulted in a disposal problem after the holiday of enormous proportions.

[0003] There have been further problems caused by the trees drying out indoors and losing their needles or becoming fire hazards. As a result of this, imitation trees of a plastic such as polyvinyl chloride were introduced and have become popular. While resolving many of the former problems, these plastic trees are expensive, require careful and bulky storage, and have to be carefully and time-consuming for erecting and use. As house rooms continue to become smaller, the main problem with plastic trees as with natural trees, is that they require a considerable amount of floor space for their use and this often is not possible, or at the very best causes inconvenience.

[0004] In an effort to deal with this space problem, designs of half-round trees made of plastic have been recently introduced. These half-round trees are designed to hang on a wall, and as a result the space problem has been alleviated but the problems of storage and erection persist.

[0005] It was against this background that the present invention was developed as a plane Christmas tree that occupies less space, even can be hanged on the wall to use no floor space. The present invention also is demountable for compact storage.

SUMMARY OF THE INVENTION

[0006] An object of the present invention is to provide a plane Christmas tree that occupying less space, it can be hanged on the wall to not occupy floor space, an other object of the present invention is designing into a demountable type for compact storage.

[0007] In order to achieve the above objects, the present invention provides a suspensible flat Christmas tree comprises a triangular frame 2, a stand 3 for supporting the frame 2 in an upright position, and at least a branch 26 wrapped and interlaced on the frame 2 and defining a plurality of hanging cavities 27 for hanging gifts 28.

[0008] The triangular frame 2 is formed with two side rods 22 and a bottom rod 24, and the bottom rod 24 is connected to the side rods 22. The stand 3 comprises a pole 32 connecting to a center of the bottom rod 24, a base 34 demountably connected with a distal end of the pole 32. Each branch 26 is formed with a wire 261 and needles 262 wrapped on the wire 261. A hanger 20 is connected on a top of the frame 2 so that the suspensible flat Christmas tree can be hanged on the wall to use no floor space.

[0009] Referring to the FIG. 1, the present invention of a suspensible flat Christmas tree 1 comprises a triangular frame 2, a stand 3 for supporting the frame 2 in an upright position, and at least a branch 26 wrapped and interlaced on the frame 2 and defining a plurality of hanging cavities 27 for hanging gifts 28.

[0010] Referring to the FIGS. 3 and 3A, are assembling perspective view of the suspensible flat Christmas tree. The

DESCRIPTION OF THE PREFERRED EMBODIMENT

[0011] FIG. 1 is an exploded view of a suspensible flat Christmas tree according to the present invention;

[0012] FIG. 2 is an exploded view of the present invention according to another embodiment of a frame;

[0013] FIG. 3 is a assembling perspective view of the suspensible flat Christmas tree;

[0014] FIG. 3A is a perspective view of the present invention according to another embodiment of arranging of a branch;

[0015] FIG. 4 is an exploded view of the present invention according to a third embodiment;

[0016] FIG. 4A is a perspective view according to another embodiment of a stand of the present invention;

[0017] FIG. 5 is an exploded view according to a fourth embodiment of the present invention;

[0018] FIG. 5A is a perspective view according to another embodiment of a stand of the present invention;

[0019] FIG. 6 is a perspective view of the present invention with beams;

[0020] FIG. 7 is a perspective view of the present invention with another embodiment of the beams;

[0021] FIG. 8 is a perspective view of the present invention according to third embodiment of the frame;

[0022] FIG. 9 is an exploded view of another embodiment of the plane Christmas tree;

[0023] FIG. 10 is an assembled view of another embodiment of the plane Christmas tree; and

[0024] FIG. 11 is an assembled view of the plane Christmas tree with displaying plates.
at least one branch 26 is horizontally and vertically ciss-crossed and wrapped on the frame 2. The at least one branch 26 also can be crisscrossed and paralleled to the side rods 22 of the frame 2.

[0029] Referring to the FIGS. 4 and 4A, is another embodiment of the frame and stand, for the branch 26 stably wrapped on the rods, each rod 22a is formed with a plurality of cutouts 222a thereon for preventing the branch 26 from sliding.

[0030] The stand 3a comprises a pivoting ring 33a connected to a distal end of the pole 32a, at least three clamping seats 35a isosynally extending from the pivoting ring 33a, and at least three feet 34a respectively pivoted on the clamping seat 35a to form the base, so that the stand 3a is foldable and the legs 34a are conveniently changing into an upright type when the Christmas tree is hanged on the wall.

[0031] Referring to the FIGS. 5 and 5A, for compact storage and delivering conveniently, the frame is designed in a demountable way. The frame 2b further comprises a plurality of joints 21b for connecting the side rods 22b and the bottom rod 24b, wherein the stand 3b is screwing to the bottom rod 24b, and the pole 32b is screwing to the base 34. The bottom rod also can be divided into two sections 24c and connecting to the pole 32c via a T-shaped joint 242c.

[0032] Referring to the FIGS. 6 and 7, the suspensible flat Christmas tree further comprises a plurality of beams 21 interlaced and mounted in the frame 2 for strengthening the structure, wherein the branch 26 is wrapped on the beams 21. The beams 21 are horizontally and vertically ciss-crossed and mounted on the frame 2. The beams 21 also can be crisscrossed and paralleled to the side rods 22 of the frame 2.

[0033] Referring to the FIG. 8, is another embodiment of the present invention of a suspensible flat Christmas tree. The Christmas comprises at least two triangular frames 2, at least one branch 26, and a hanger 20 mounted on a top of the Christmas tree. The at least two triangular frames 2 are of equal size or different size (in this embodiment, there are three frames 2) stacked with some portion thereof and connected to each other in an upper and lower manner. Each frame 2 is formed with two side rods 22 and a bottom rod 24 connected to the side rods 22. The at least one branch 26 is wrapped and interlaced on the frames 2 and defining a plurality of hanging cavities 27 for hanging gifts. The hanger 20 is mounted on the top frame 2 for hanging the Christmas tree 1 on a wall. The Christmas tree 1 further comprises a stand 3 having a pole 32 connecting with the bottom rods 24 of the frames 2 and extending to a top of the frame and a base 34 connected to a distal end of the pole.

[0034] Referring to the FIGS. 9 and 10, which are an exploded view and an assembled view of another embodiment of the plane Christmas tree of the present invention. A plane Christmas tree 1’ for displaying comprises at least three general triangular frames 5 of equal size (in this embodiment are four frames), at least one branches 26 (not shown, this embodiment is shown with beams for strengthening the structure, and the branches could be wrapped thereon) are wrapped and interlaced on the frames 5 and defining a plurality of hanging cavities, and a supporting device 6 for supporting the frame 5 in an upright position. Each frame 5 is formed with a side rod 51, a vertical rod 52, and a bottom rod 53 connected together, and the vertical rods 52 are connected together and defining at least three displaying spaces. Whereas each side rod 51 is saw-shaped and is formed with at least one horizontal bending portion 512, and a plurality of displaying plates 7 are respectively affixed on the adjacent bending portions 512 for displaying goods thereon. The plane Christmas tree for displaying further comprises a plurality of hooks 54 respectively affixed on the vertical rods 52 for connected the frames 5 together. Whereas the supporting device could be a stand 6 comprising a pole 62 that is connecting to the vertical rod 52, a base 64 connected with a distal end of the pole 62. Each hook 54 has an engaging portion 542 that is formed on an end and a hole 544 that is formed on another end thereof.

[0035] The plane Christmas tree 1’ for displaying further comprises a plurality of holders 57 assembled on the bending portions 512 for supporting the displaying plates 7. The holder 57 could be rod-shaped or U-shaped with two side protrusions 58 protruding from two ends of the holder 57, so that the side protrusions 58 could engaging into through holes 76 formed on edges of the displaying plates 7. The pole 62 of the stand 6 further comprises a plurality of longitudinal recesses 68 that are formed thereon for receiving the corresponding vertical rods 52 of the frame 5, a tip 66 which is protruding from a top thereof for engaging stably with rings 55 assembled on the frame 5.

[0036] Referring to the FIG. 11, which is an assembled view of the plane Christmas tree with displaying plates. The plane Christmas tree not only is for decorating, but also, to stores, the plane Christmas tree could be used for displaying festival decorations thereon. Moreover, by combining the plane Christmas trees to be a cubical Christmas tree for displaying goods thereon and for seasonally adorning or advertising of stores or restaurants.

[0037] Although illustrated and described herein with reference to certain specific embodiments, the present invention is nevertheless not intended to be limited to the details shown. Rather, various modifications may be made in the details within the scope and range of equivalents of the claims and without departing from the invention.

What is claimed is:

1. A plane Christmas tree for displaying, comprising:

   a. a triangular frame formed with two side rods and a bottom rod connected to the side rods;

   b. at least a branch wrapped and interlaced on the frame and defining a plurality of hanging cavities for hanging gifts, each branch formed a wire and needles wrapped on the wire; and

   c. a supporting device for supporting the frame in an upright position.

2. The plane Christmas tree for displaying as in claim 1, wherein the supporting device is a hanger connected on a top of the frame for hanging the Christmas on a wall.

3. The plane Christmas tree for displaying as in claim 1, wherein the supporting device is a stand, comprising a pole connecting to a center of the bottom rod, a base demountably connected with a distal end of the pole.

4. The plane Christmas tree for displaying as in claim 1, wherein the stand comprises a pivoting ring connected to a distal end of the pole, at least three clamping seats isosynally extending from the pivoting ring, and at least three legs
respectively pivoted on the clamping seat to form the base, thereby the stand is foldable and the legs are conveniently changing into an upright type when the Christmas tree is hanged on the wall.

5. The plane Christmas tree for displaying as in claim 1, wherein each rod is formed with a plurality of cutouts thereon.

6. The plane Christmas tree for displaying as in claim 1, wherein the rods of the frame are demountable for storing compactly and delivering conveniently.

7. The plane Christmas tree for displaying as in claim 1 further comprising a plurality of beams interlaced and mounted in the frame for strengthening the structure, wherein the branch is wrapped on the beams.

8. A plane Christmas tree for displaying, comprising:

at least two triangular frames of equal size or different size stacked with a predetermined portion thereof and connected to each other in an upper and lower manner, each frame formed with two side rods and a bottom rod connected to the side rods;

at least one branches wrapped and interlaced on the frames and defining a plurality of hanging cavities for hanging gifts, the branch formed with a wire and needles wrapped on the wire; and

a supporting device for supporting the frame in an upright position.

9. The plane Christmas tree for displaying as in claim 8, wherein the supporting device is a hanger connected on a top of the frame for hanging the Christmas on a wall.

10. The plane Christmas tree for displaying as in claim 8, wherein the supporting device is a stand, comprising a pole connecting to a center of the bottom rod, a base demountably connected with a distal end of the pole.

11. The plane Christmas tree for displaying in claim 8, wherein each rod is formed with a plurality of cutouts thereon.

12. The plane Christmas tree for displaying as in claim 8, further comprising a plurality of connecting joints for connecting the rods, thereby the rods of the triangular frames are demountable for storing compactly and delivering conveniently.

13. The plane Christmas tree for displaying as in claim 8, further comprising at least two triangular frames identical to the at least two triangular frames, and the two sets of the triangular frames intersecting to form right angles and define four displaying spaces.

14. The plane Christmas tree for displaying as in claim 13, further comprising a plurality of displaying plates connected to the bottom rods of the triangular frames for displaying goods thereon.

15. A plane Christmas tree for displaying, comprising:

at least three triangular frames of equal size, each frame formed with a side rod, a vertical rod, and a bottom rod connected together, and the vertical rods connected together and defining at least three displaying spaces;

at least one branches wrapped and interlaced on the frames and defining a plurality of hanging cavities, wherein each branch is formed with a wire and needles wrapped on the wire; and

a supporting device for supporting the frame in an upright position.

16. The plane Christmas tree for displaying as in claim 15, wherein each side rod is saw-shaped and is formed with at least one horizontal bending portion, and a plurality of displaying plates are respectively affixed on the adjacent bending portions for displaying goods thereon.

17. The plane Christmas tree for displaying as in claim 15, further comprising a plurality of hooks respectively on the vertical rods for connected the frames together.

18. The plane Christmas tree for displaying as in claim 15, wherein the plane Christmas tree comprises four triangular frames connected together.

19. The plane Christmas tree for displaying as in claim 15, wherein the supporting device is a stand, comprising a pole connecting to the vertical rod, a base connected with a distal end of the pole.

20. The plane Christmas tree for displaying as in claim 15, further comprising a plurality of holders for holding the displaying plates.

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