A simple folding box, comprising a soleplate, two first side plates which can be connected to each other, a pair of opposite lateral margins of a said soleplate foldedly, two U-shaped parts; said soleplate is a rectangular plate, the hemlines of said two first side plates are connected to said soleplate perpendicularly; each said U-shaped part comprises a second side plate which can be connected to said soleplate foldedly and two connecting plates which can be connected to two opposite lateral margins of said second side plate foldedly; the hemline of said second side plate is connected to the other pair of opposite lateral margins perpendicularly; each said connecting plate is perpendicular to its corresponding second side plate, and there's a gap between each said connecting plate and said soleplate; said two first side plates are connected to four connecting plates firmly; said soleplate, two first side plates, and two second side plates enclose a cuboid box.
SIMPLE FOLDING BOX

FIELD OF THE INVENTION

This utility model relates to a kind of simple folding box, particularly relates to a kind of simple folding box that needs no worry of being crushed or staved in the transportation process and that makes the transportation convenient and efficient.

BACKGROUND OF THE INVENTION

At present, the boxes used to place jewelries or leather shoes are usually paper boxes, which are usually connected together with drawing pins or rivets or pasted together with paper, thus, the boxes can not stand crushing, and takes a lot of space in transportation process, accordingly, the transportation has low efficiency and the boxes are inclined to be crushed or staved.

SUMMARY OF THE INVENTION

The purpose of this utility model is to offer a kind of simple folding box, which needs no worry of being crushed or staved in transportation process and make the transportation convenient and efficient.

To reach above-mentioned purpose, this utility model offers a kind of simple folding box, it comprises a soleplate, two first folding side plates which can be connected to a pair of opposite lateral margins of said soleplate foldedly, two U-shaped parts; said soleplate is a rectangular plate, the hemline of said two first side plate is connected to said soleplate perpendicularly; said each U-shaped part comprises a second side plate which can be connected to said soleplate foldedly and two connecting plates which can be connected to two opposite lateral margins of said second side plate foldedly; the hemline of said second side plate is connected to the other pair of opposite lateral margins perpendicularly; each said connecting plate is perpendicular to its corresponding second side plate, and there’s gap between each said connecting plate and said soleplate; said two first side plates are connected to four connecting plates firmly; said soleplate, two first side plate, and two second side plates enclose a cuboid box.

This utility model has the following benefits: said two first side plates can be both connected to the lateral margin of said soleplate foldedly, so that said two first side plates can be folded to the same plane with that of said soleplate. Said second side plate can be connected to the lateral margin of said soleplate foldedly, and the connecting plate can be connected to said second side plate foldedly so that said two U-shaped parts can be folded to the same plane with that of said soleplate. Therefore, in the course of transporting said simple folding box, two first side plates and said four connecting plates are not stuck together but folded to the same plane so as to reduce the bulk of the products remarkably, and the transportation will be efficient and convenient, people need not worry that the boxes will be crushed or staved.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is the blockdiagram of the first embodiment of this utility model in a closing state.

FIG. 2 is the blockdiagram of the first embodiment of this utility model in an open state.

FIG. 3 is the blockdiagram of production of the first embodiment of this utility model.

FIG. 4 is the blockdiagram of the first embodiment of this utility model in a folded state in transportation process.

FIG. 5 is the blockdiagram of the second embodiment of this utility model in a closing state.

FIG. 6 is the blockdiagram of the second embodiment of this utility model without a cover.

FIG. 7 is the blockdiagram of production of the second embodiment of this utility model.

FIG. 8 is the blockdiagram of the second embodiment of this utility model in a folded state in transportation process.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to FIGS. 1 to 4, it is the first embodiment of this kind of simple folding box, comprising a soleplate 1, two first side plate 2 which can be connected to a pair of opposite lateral margins of said soleplate foldedly, two U-shaped part 3, a cover plate 4 and a buckle plate 5.

Said soleplate 1 is a rectangle plate.

The hemlines of said two first side plate 2 are connected to a pair of opposite lateral margins of said soleplate 1 perpendicularly, and said two first side plates 2 is mounted on the upside of said soleplate 1.

Each said U-shaped part 3 comprises a second side plate 32 which can be connected to said soleplate 1 foldedly and two connecting plate 34 which can be connected to a pair of opposite lateral margins of said second side plate 32 foldedly.

The hemline of said second side plate 32 is connected to the other pair of lateral margins of said soleplate 1 perpendicularly, and said two second side plates 32 are mounted on the upside of said soleplate 1. The breadth of said second side plate 32 is identical with the corresponding breadth of said soleplate 1.

Said connecting plate 34 are connected to the same side of its corresponding second side plate 32 adjacent to soleplate 1, each connecting plate 34 is perpendicular to its corresponding second side plate 32. There’s a gap (now marked) between each said connecting plate 34 and soleplate 1, therefore each said connecting plate is not connected with soleplate 1. There’s adhesive tape (now shown) between said four connecting plate 34 and their corresponding first side plate 2, so that said two first side plate 2 are stuck to four connecting plate 34 firmly.

Said soleplate 1, two first side plate 2, and two second side plate 32 enclose a cuboid box.

Said cover plate 4 can be connected to the edge of one of the first side plate 2 foldedly, and it can be turned over to cover said cuboid box.

Said buckle plate 5 can be connected to the edge of cover plate 4 corresponding to said first side plate 2 foldedly, and it can nestle close to its corresponding first side plate 2. The gravity of buckle plate 5 make cover plate 4 cover the box close.

The procedure of production is as follows: fold said two U-shaped part 3 upward until said second side plate 32 is perpendicular to soleplate 1, then fold said four connecting plate 34 entail to make said connecting plate 34 perpendicular to both said second side plate 32 and soleplate 1, next, tear the protective cover of the adhesive tape on each
connecting plate 34, then fold two first side plate 2 upward to make two said first side plate 2 stuck to said four connecting plate 34, then press them with hands to make them stuck firmly. In this way, a cuboid box is produced.

[0024] Said two first side plate 2 can be connected to the lateral margin of said soleplate 1 foldedly, therefore, said two first side plate can be folded to the same plane with that of said soleplate 1. Said second side plate 32 can be connected to the lateral margin of said soleplate 1 foldedly, and connecting plate 34 can be connected to said second side plate 32 foldedly, therefore, said two U-shaped part 3 can be folded to the same plane with that of said soleplate 1. Accordingly, in the course of transporting said simple folding box, two first side plate 2 are not stuck to said four connecting plate 4 but folded to the same plane so as to reduce the bulk of products remarkably, thus the transportation will be efficient and convenient and there’s no need to worry about the boxes’ being crushed or staved.

[0025] Referring to FIGS. 5 to 8, it is a second embodiment of this kind of simple folding box, comprising a soleplate 1, two first side plate 2 which can be connected to a pair of opposite lateral margins of said soleplate 1 foldedly, two U-shaped part 3, and a cover plate 6.

[0026] Each said U-shaped part 3 comprises a second side plate 32 and two connecting plate 34.

[0027] Wherein said first side plate 2, two U-shaped part 3 are the same as those of the first embodiment.

[0028] Said soleplate 1, two first side plate 2, and two second side plate 32 enclose a cuboid box.

[0029] Said cover plate 6 comprises a board body 62 corresponding to said sole plate 1, and four sides of said board body 62 are prolonged a down to form a circle of edge 64. Said cover plate 6 is directly covered to said cuboid box.

[0030] The procedure of production is the same as that of first embodiment.

[0031] Said two first side plate 2 can be both connected to the lateral margin of said soleplate 1 foldedly, therefore, said two first side plate 2 can be folded to the same plane with that of soleplate 1. Said second side plate 32 can be connected to the lateral margin of said soleplate 1 foldedly, and connecting plate 34 can be connected to said second side plate 32 foldedly, therefore, said two U-shaped part 3 can be folded to the same plane with that of said soleplate 1. Accordingly, in the course of transporting said simple folding box, two first side plate 2 are not stuck to said four connecting plate 4 but folded to the same plane so as to reduce the bulk of products remarkably, the transportation will be efficient and convenient and there’s no need to worry about the boxes’ being crushed or staved.

[0032] In two embodiments mentioned above, magnet (now shown) may be installed between said four connecting plate 34 and their corresponding first side plate 2 so as to connect said two first side plate 2 and four connecting plate 34 firmly.

1-9. (canceled)
10. A box, comprising a rectangular soleplate, two first side plates connected to a pair of opposite lateral margins of said soleplate foldedly, two U-shaped parts, each said U-shaped part comprises a second side plate and two connecting plates connected to two opposite lateral margins of said second side plate foldedly, the fold line of said two connecting plates to said second side plate is perpendicular to the sole plate; each said connecting plate is perpendicular to its corresponding second side plate; said two first side plates are fastened to four connecting plates.

11. The box according to claim 10 wherein the width of said second side plate corresponds to the width of said soleplate.

12. The box according to claim 10 wherein said connecting plate is connected to the same side of the corresponding second side plate adjacent to said soleplate.

13. The box according to claim 10 wherein the connection between the connecting plates and their corresponding first side plates affixing the first side plate to four connecting plates is chosen from the group of fasteners consisting of: water-soluble glue, water-borne glue, hot-melt glue, pressure-sensitive glue, or pressure-sensitive tape.

14. The box according to claim 10 further comprising a cover plate connected to the lateral margin of one of two first side plates foldedly.

15. The box according to claim 14 comprising a buckle plate connected to the edge of the cover plate distal from the first plate.

16. The box according to claim 10 further comprising a cover plate, said cover plate comprises a board body corresponding to said soleplate, and the four sides of said board body are prolonged down to form a circle of edge.

17. The box according to claim 10 wherein a magnet and a material attracted to magnetic force is installed between said four connecting plates and their corresponding first side plates so as to firmly connect tow first side plates and four connecting plates.

18. The box according to claim 10 wherein prior to assembly as a box the one or more U-shaped parts are separate from the material of the sole plate and the first side plates.

19. The box of claim 18 wherein the first plates are affixed to the connecting plates by water-soluble glue, water-borne glue, hot-melt glue, pressure-sensitive glue, or pressure-sensitive tape and the box comprises a cover plate fastened by a buckle plate.

20. The box of claim 18 wherein the top plate and a buckle plate are replaced by a cover plate comprising a board body corresponding in size to the sole plate and four sides of the board body pro longed down to form a circle edge.