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(54) **TOOL BOX**

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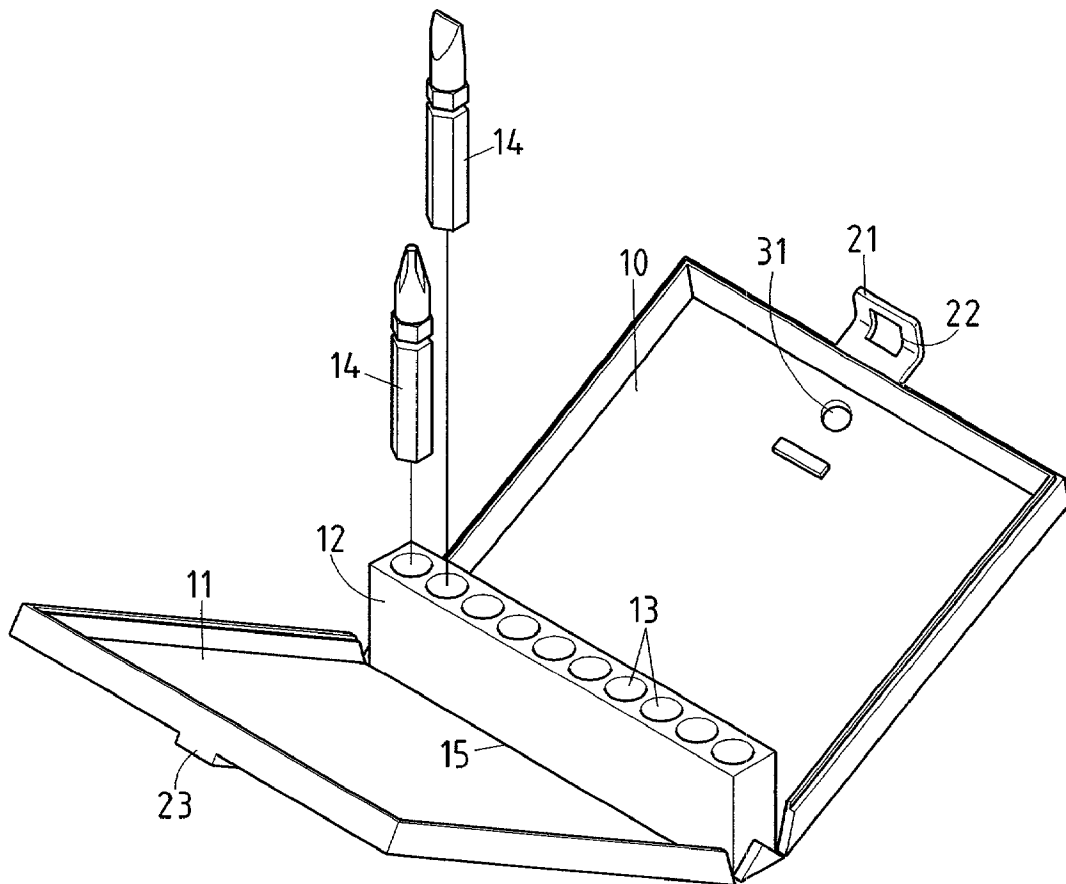
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(57) **ABSTRACT**

A tool box is formed of an upper cover, a lower cover, and a tool-holding body enclosed by the upper cover and the lower cover. The tool-holding body is provided with a plurality of tool-holding holes and two connection portions by which the tool-holding body is attached to the upper cover and the lower cover.

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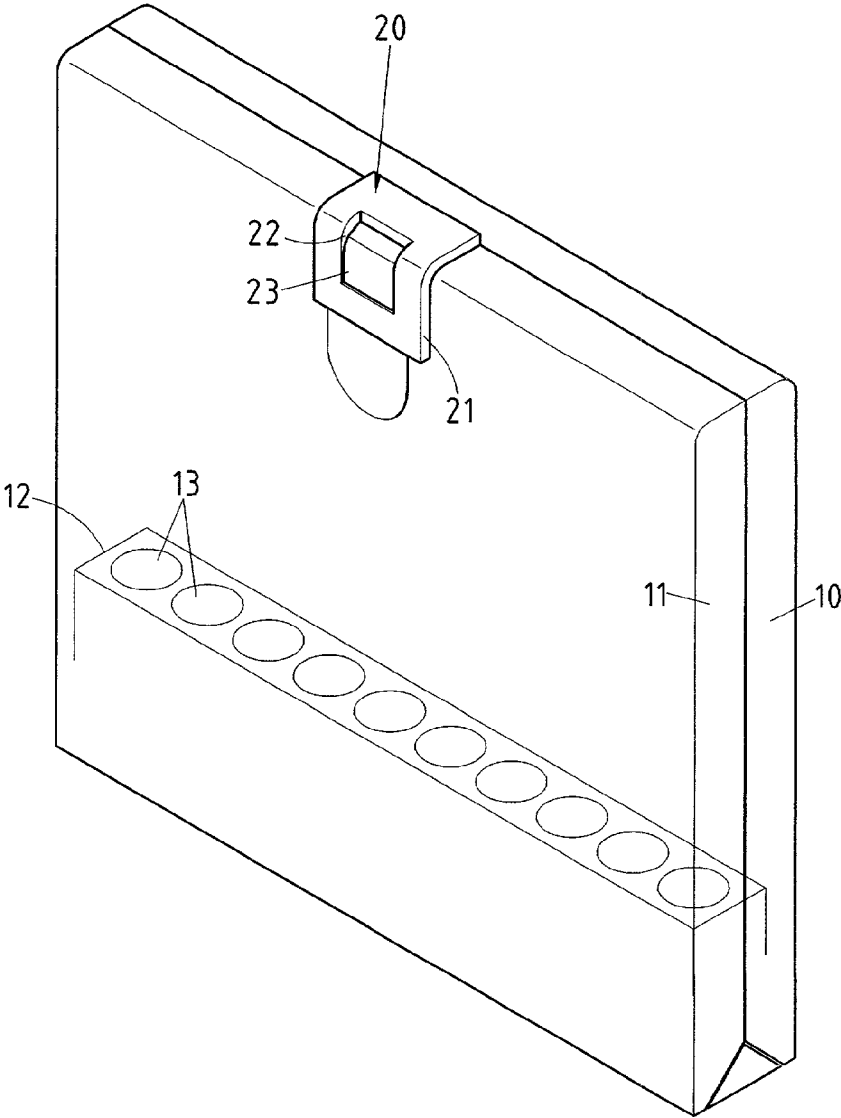


FIG.1

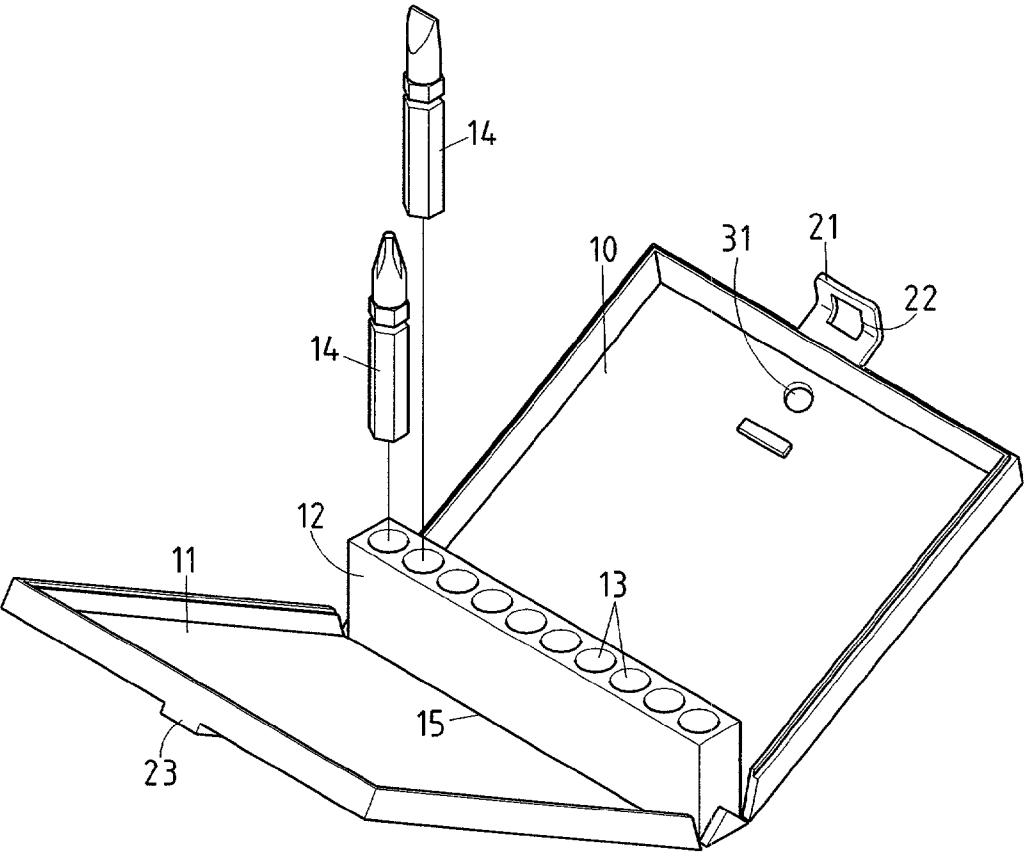


FIG.2

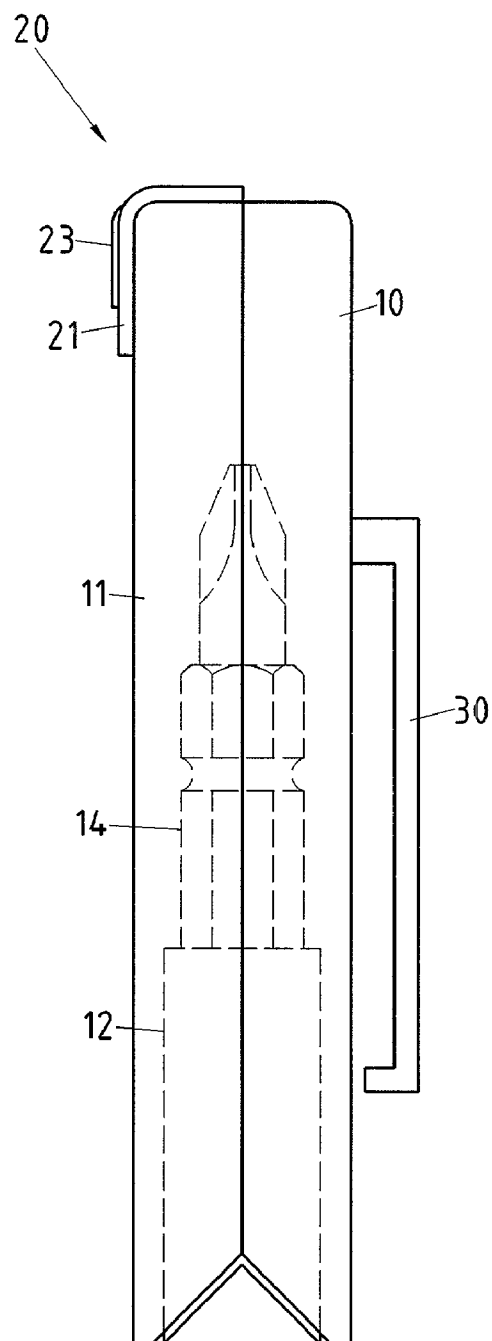


FIG.3

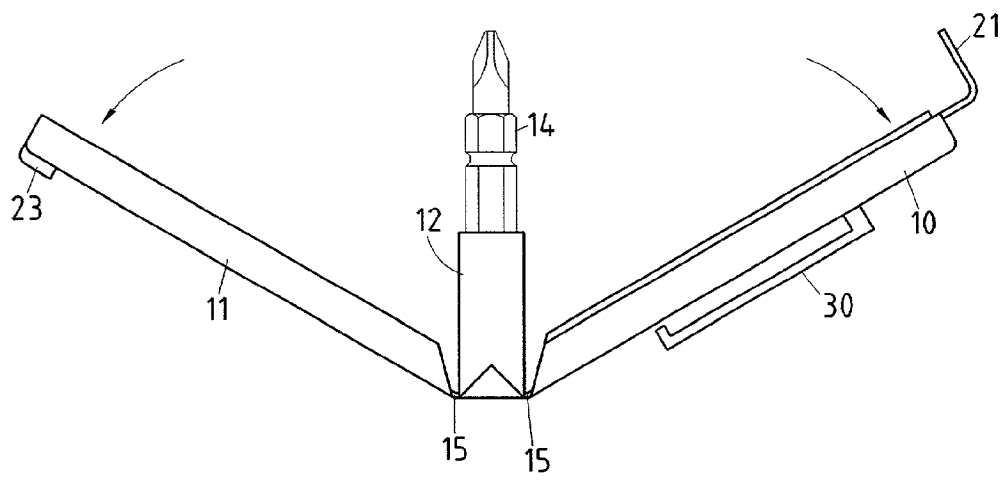


FIG.4

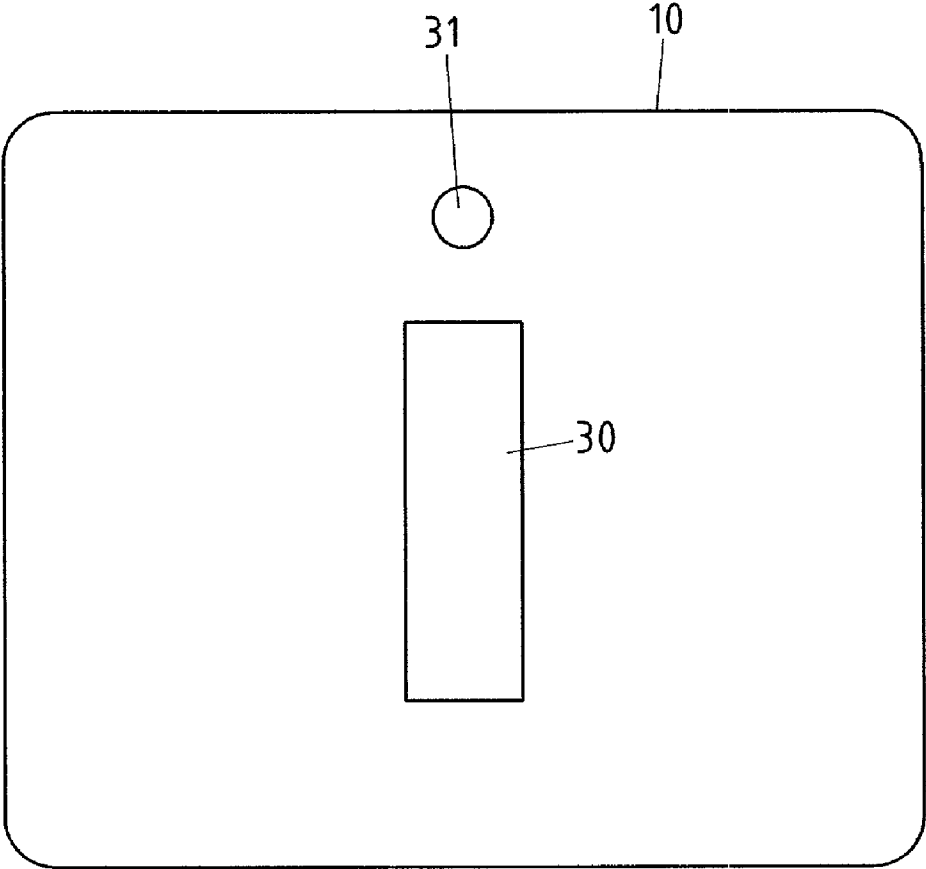


FIG.5

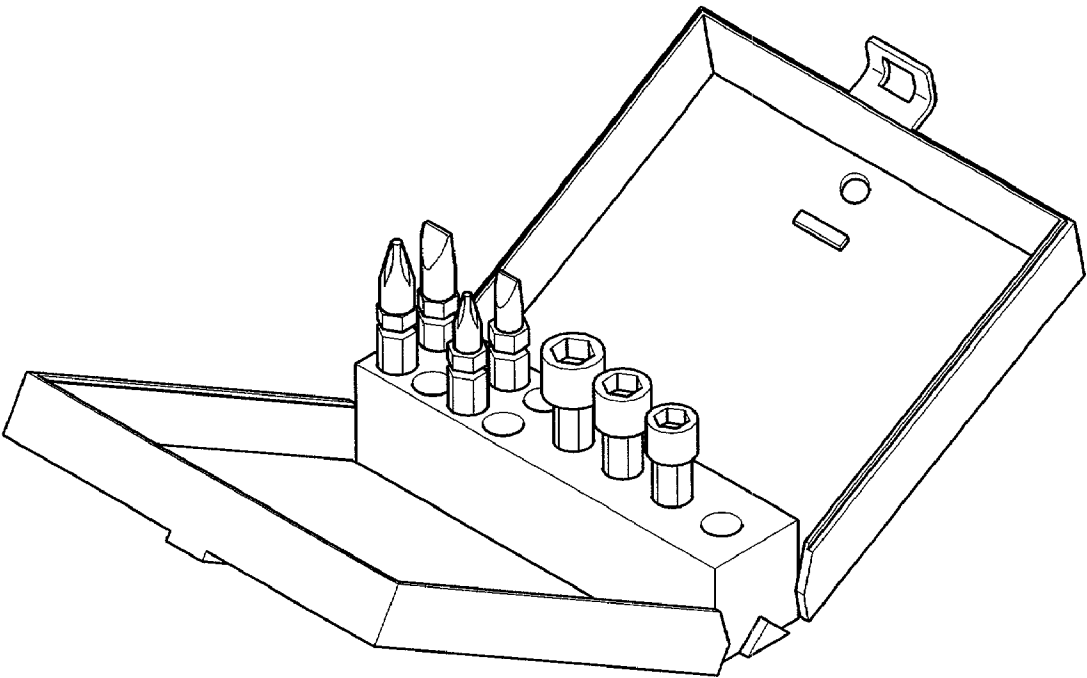


FIG.6

TOOL BOX

FIELD OF THE INVENTION

[0001] The present invention relates generally to a tool box, and more particularly to a cost-effective and portable tool box.

BACKGROUND OF THE INVENTION

[0002] There are a variety of conventional tool boxes currently available in the market place. However, these conventional tool boxes are not cost-effective. In light of the way by which the conventional tool boxes are made, the makers of the tool boxes are incapable of reducing the production cost.

SUMMARY OF THE INVENTION

[0003] It is the primary objective of the present invention to provide a cost-effective tool box.

[0004] It is another objective of the present invention to provide a portable tool box.

[0005] In keeping with the principle of the present invention, the foregoing objectives of the present invention are attained by a tool box comprising an upper cover, a lower cover, and a tool-holding body enclosed by the upper cover and the lower cover. The tool-holding body is provided with a plurality of tool-holding holes. The tool box of the present invention is simple in construction and can be easily assembled at a low cost.

[0006] The foregoing objectives, features, and advantages of the present invention will be more readily understood upon a thoughtful deliberation of the following detailed description of the present invention with reference to the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] FIG. 1 shows a perspective view of the present invention in the closed state.

[0008] FIG. 2 shows a perspective view of the present invention in the opened state.

[0009] FIG. 3 shows a side view of the present invention in the closed state.

[0010] FIG. 4 shows a side view of the present invention in the opened state.

[0011] FIG. 5 shows a side plan view of the present invention.

[0012] FIG. 6 shows a schematic view of the present invention in use.

DETAILED DESCRIPTION OF THE INVENTION

[0013] As shown in FIGS. 1-5, a tool box embodied in the present invention comprises an upper cover 10, a lower cover 11, and a tool-holding body 12 enclosed by the upper cover 10 and the lower cover 11. The tool-holding body 12 is provided with a plurality of tool-holding holes 13 for holding tools 14. The tool-holding body 12 is provided at two longitudinal sides of the bottom thereof with a connection portion 15. The tool-holding body 12 is enclosed by the

upper cover 10 and the lower cover 11 such that one of the two connection portions 15 of the tool-holding body 12 is connected to the inner wall of the bottom side of the upper cover 10, and that other connection portion 15 of the tool-holding body 12 is connected to the inner wall of the bottom side of the lower cover 11.

[0014] When the tool box of the present invention is in the closed state, the upper cover 10 and the lower cover 11 are held together by a retaining device 20 which is disposed in the outer walls of the top sides of the upper cover 10 and the lower cover 11.

[0015] The retaining device 20 is formed of retaining piece 21 and a retaining projection 23. The retaining piece 21 is provided with a retaining slot 22 and is attached to the top side of the upper cover 10 or the lower cover 11. The retaining projection 23 is attached to the top side of the lower cover 11 or the upper cover 10. The upper cover 10 and the lower cover 11 are joined together by the retaining device 20 in such a manner that the retaining projection 23 is retained in the retaining slot 22 of the retaining piece 21.

[0016] The upper cover 10 or the lower cover 11 may be provided in the outer wall thereof with a hanging piece 30 fastened thereto, and a hanging hole 31. The hanging piece 30 and the hanging hole 31 are intended for use in hanging the tool box of the present invention.

[0017] The upper cover 10, the lower cover 11, and the tool holding body 12 of the tool box of the present invention are made integrally by injection molding. As a result, only one molding tool is needed in production of the tool box of the present invention, thereby resulting in a substantial reduction in production cost.

[0018] The embodiment of the present invention described above is to be regarded in all respects as being merely illustrative and not restrictive. Accordingly, the present invention may be embodied in other specific forms without deviating from the spirit thereof. The present invention is therefore to be limited only by the scopes of the following appended claims.

What is claimed is:

1. A tool box comprising:

an upper cover;

a lower cover; and

a tool-holding body enclosed by said upper cover and said lower cover and provided with a plurality of tool-holding holes, said tool holding body further provided at two longitudinal sides of a bottom thereof with a connection portion whereby said tool-holding body is enclosed by said upper cover and said lower cover in such a manner that one connection portion of said tool-holding body is connected to an inner wall of a bottom side of said upper cover, and that other connection portion of said tool-holding body is connected to an inner wall of a bottom side of said lower cover.

2. The tool box as defined in claim 1 further comprising a retaining device for retaining said upper cover and said lower cover whereby said retaining device is disposed in outer walls of top sides of said upper cover and said lower cover.

3. The tool box as defined in claim 2, wherein said retaining device is formed of a retaining piece and a retain-

ing projection, said retaining piece being provided with a retaining slot and being attached to the top side of said upper cover, said retaining projection being attached to the top side of said lower cover whereby said upper cover and said lower cover are joined together to enclose said tool-holding body such that said retaining projection of said lower cover is retained in said retaining slot of said retaining piece of said upper cover.

4. The tool box as defined in claim 2, wherein said retaining device comprises a retaining piece and a retaining projection, said retaining piece being provided with a retaining slot and being attached to the top side of said lower cover, said retaining projection being attached to the top side of said upper cover whereby said lower cover and said upper cover are joined together to enclose said tool-holding body in such a manner that said retaining projection of said upper

cover is retained in said retaining slot of said retaining piece of said lower cover.

5. The tool box as defined in claim 1, wherein said upper cover is provided in an outer wall with a hanging piece and a hanging hole whereby said hanging piece and said hanging hole are intended for use in hanging the tool box.

6. The tool box as defined in claim 1, wherein said lower cover is provided in an outer wall with a hanging piece and a hanging hole whereby said hanging piece and said hanging hole are intended for use in hanging the tool box.

7. The tool box as defined in claim 1, wherein said upper cover, said lower cover, and said tool-holding body are made integrally by injection molding.

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