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(54) **TOOL BRACKET WITH MULTIPLE CONTAINERS**

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(76) Inventor: **Wei-Chi Wang, Tainan (TW)**

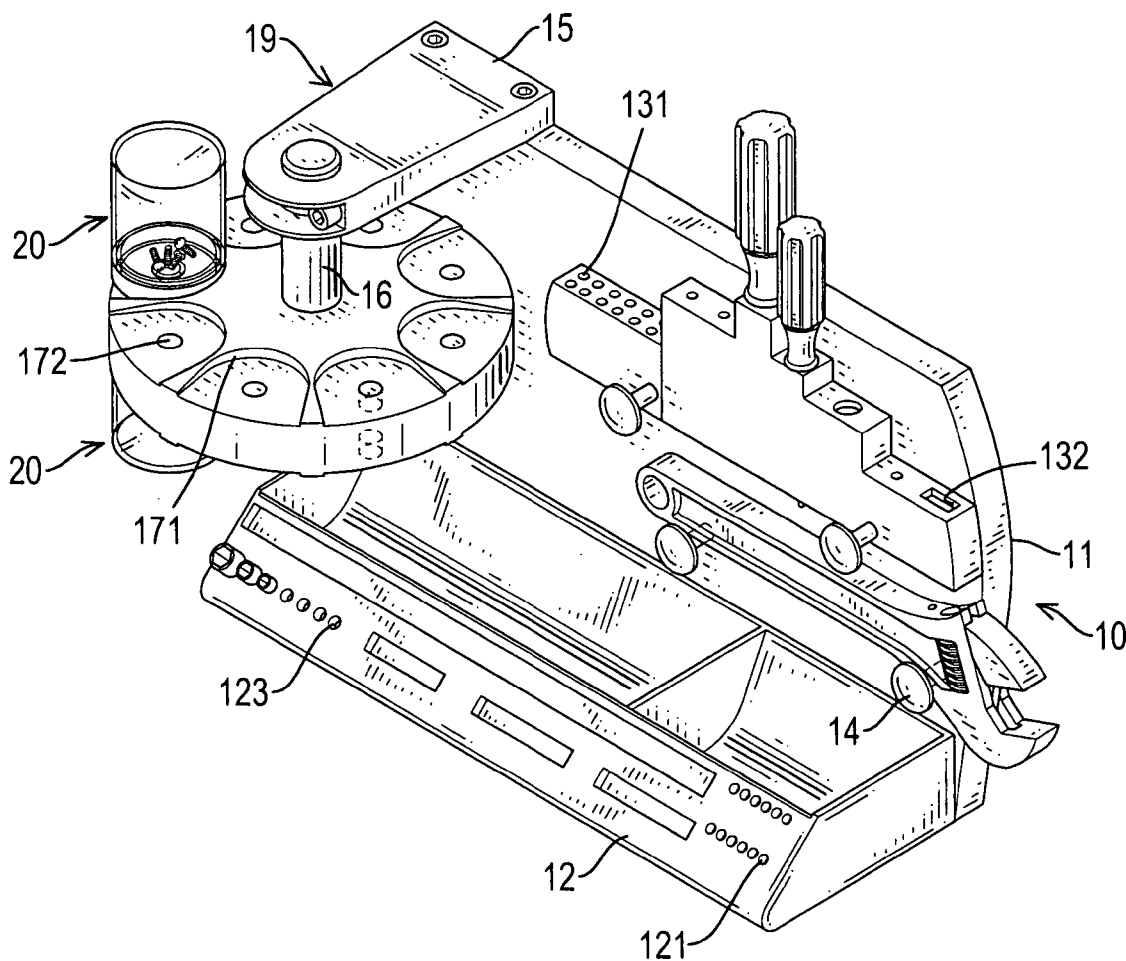
(57) **ABSTRACT**

Correspondence Address:  
**Troxell Law Office PLLC**  
**Suite 1404**  
**5205 Leesburg Pike**  
**Falls Church, VA 22041 (US)**

A tool bracket has a base and multiple detachable containers. The base has a tool mount, a shelf and a container holder. The container holder has multiple magnetic metal elements mounted securely in the container holder. The containers are mounted detachably on the container holder, and each container has a jar, a lid and a magnet. The lid is mounted detachably on the jar. The magnet is mounted securely on the container and detachably attaches to a magnetic metal element on the container holder. The containers can be detached and carried safely without injuring a person carrying the container.

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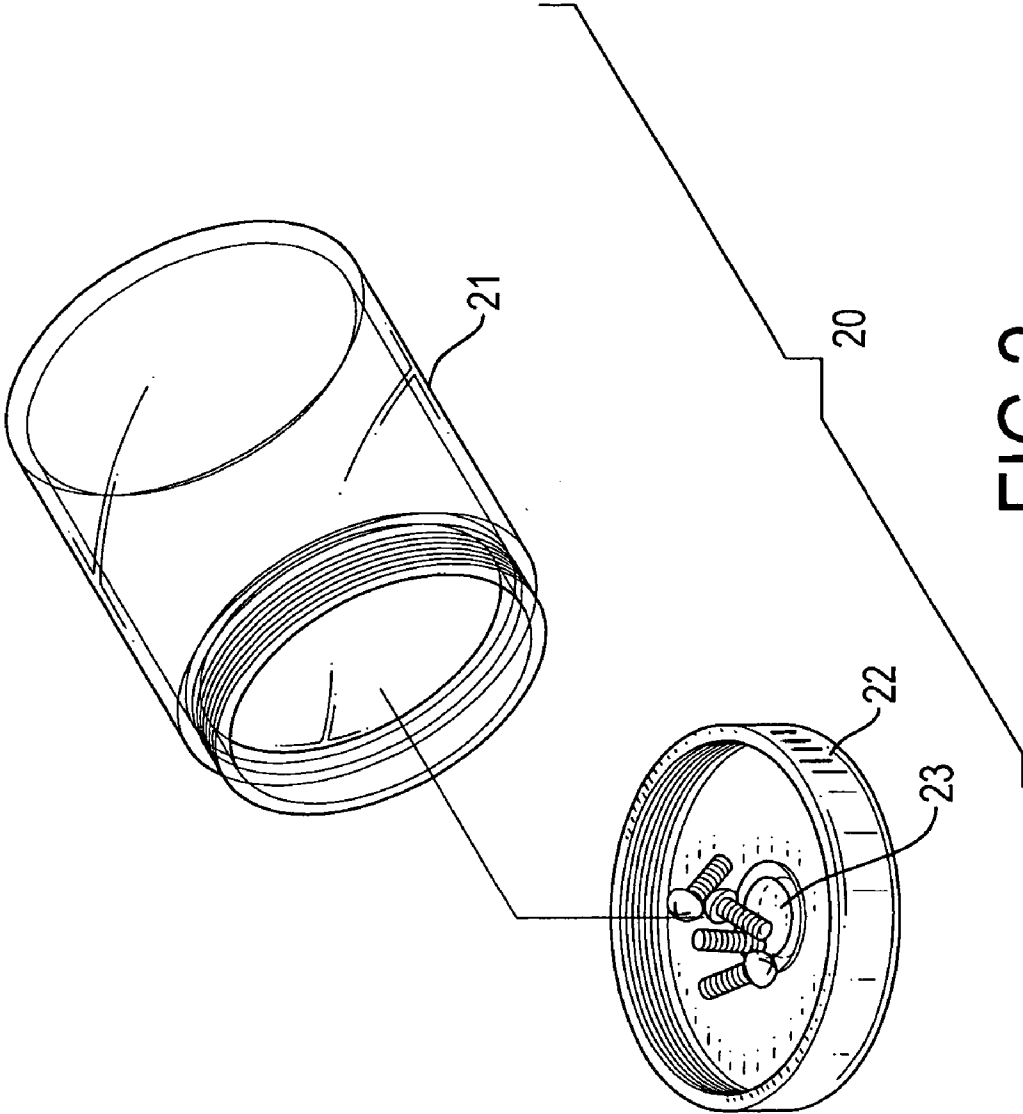


FIG.2

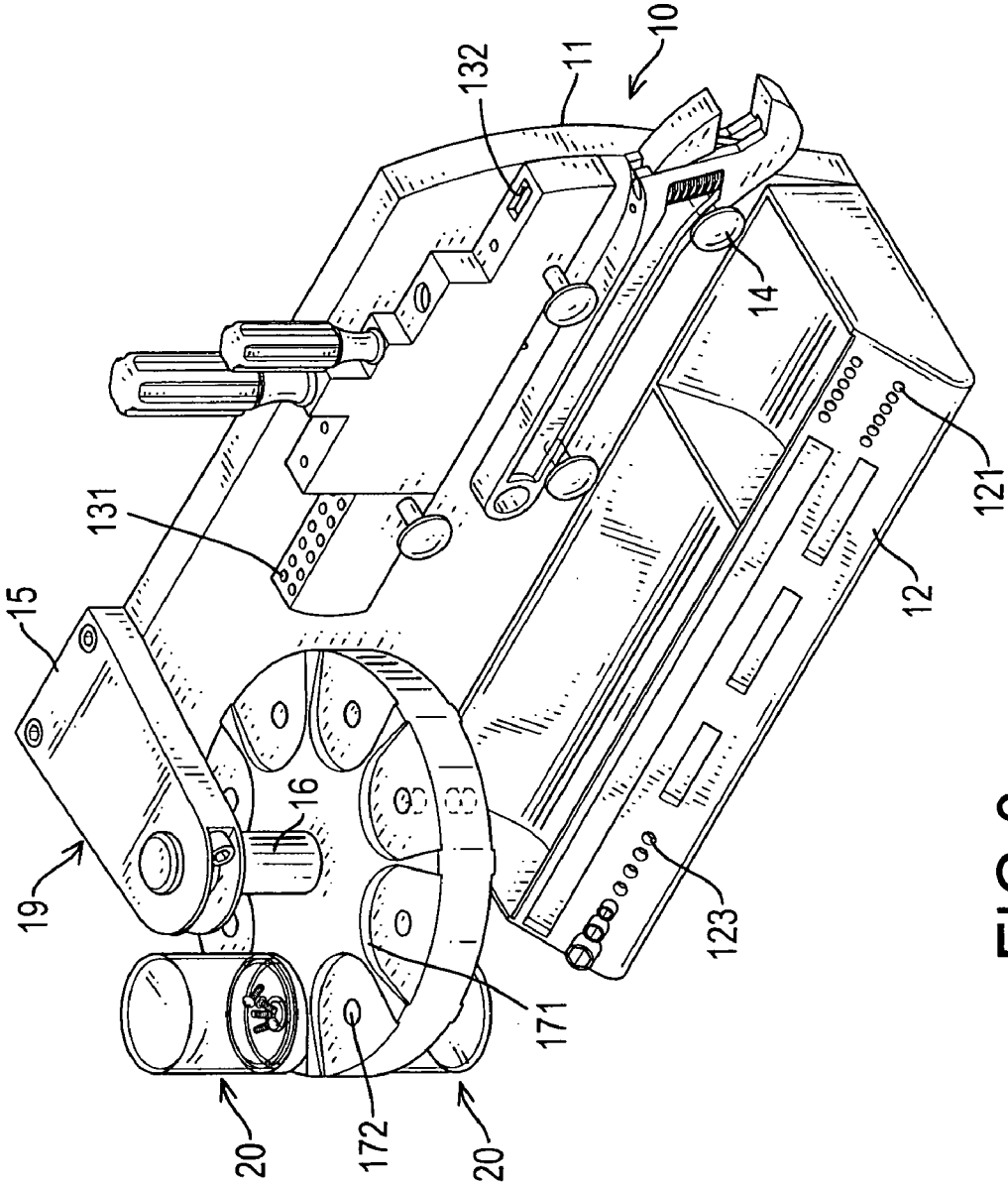


FIG.3

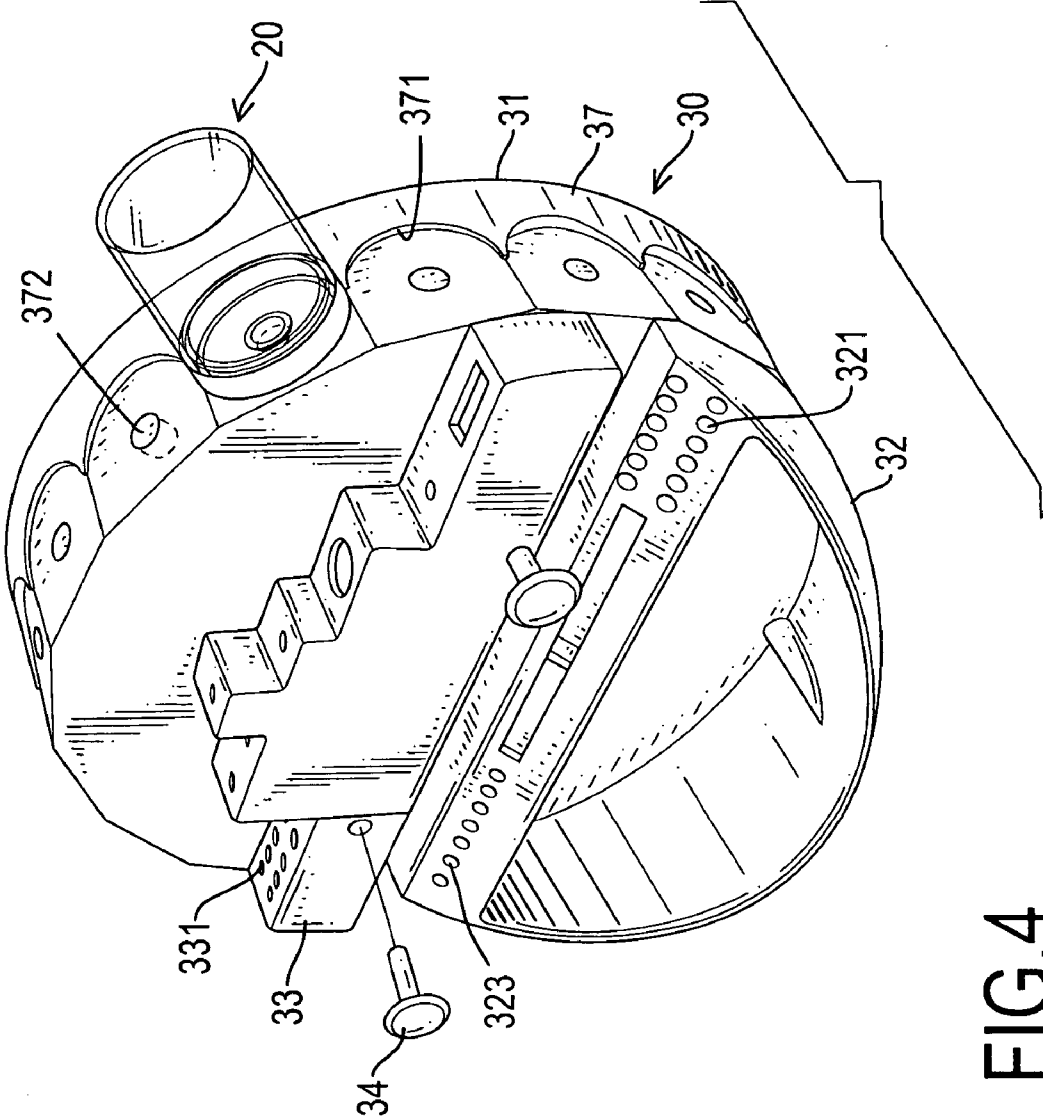


FIG. 4

**TOOL BRACKET WITH MULTIPLE CONTAINERS**

**BACKGROUND OF THE INVENTION**

**[0001]** 1. Field of the Invention

**[0002]** The present invention relates to a tool bracket, and more particularly to a tool bracket with multiple containers mounted detachably on a container holder to store fasteners, fittings and small fixtures.

**[0003]** 2. Description of Related Art

**[0004]** People usually have several tools such as wrenches, screwdrivers, tool heads such as drills and numbers of fasteners such as nuts, bolts and nails to fix and repair articles in daily life. Different types of tools and fasteners are usually classified and stored separately in different compartments or trays in a toolbox.

**[0005]** For people such as mechanics who use their tools at a workstation, storing tools, fasteners, fittings and small fixtures inside a toolbox is inconvenient. Therefore, a conventional tool bracket has been developed.

**[0006]** A conventional tool bracket stands on a workbench or is attached to a wall near a workstation and comprises multiple mounting holes and bins to respectively hold tools and store fasteners, fittings, small fixtures and the like. With the tool bracket, people quickly access and replace the tools and fasteners. However, the fasteners, fittings, small fixtures and the like in the bins must be carried when used at sites away from the workstation and may injure people who carry the fasteners.

**[0007]** To overcome the shortcomings, the present invention provides a tool bracket with detachable containers to mitigate or obviate the aforementioned problems.

**SUMMARY OF THE INVENTION**

**[0008]** The main objective of the invention is to provide a tool bracket with multiple detachable containers to store fasteners, fittings and small fixtures. The containers can be detached and carried safely without injuring a person carrying the container.

**[0009]** A tool bracket in accordance with the present invention comprises a base and multiple detachable containers.

**[0010]** The base has a tool mount, a shelf and a container holder. The tool mount and shelf have tool-mounting holes. The container holder has multiple magnetic metal elements mounted securely in the container holder.

**[0011]** The containers are mounted detachably on the container holder, and each container has ajar, a lid and a magnet. The lid is mounted detachably on the hollow body. The magnet is mounted securely on the container and detachably attaches to a magnetic metal element on the container holder.

**[0012]** Other objectives, advantages and novel features of the invention will become more apparent from the following detailed description when taken in conjunction with the accompanying drawings.

**BRIEF DESCRIPTION OF THE DRAWINGS**

**[0013]** FIG. 1 is a perspective view of a first embodiment of a tool bracket with multiple containers in accordance with the present invention;

**[0014]** FIG. 2 is a perspective view of a container of the tool bracket in FIG. 1 with the lid removed;

**[0015]** FIG. 3 is an operational perspective view of the tool bracket in FIG. 1; and

**[0016]** FIG. 4 is an operational perspective view of a second embodiment of a tool bracket with multiple containers in accordance with the present invention.

**DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT**

**[0017]** With reference to FIGS. 1 and 4, a tool bracket in accordance with the present invention may stand on a workbench or be mounted on a wall and comprises a base (10, 30) and multiple containers (20).

**[0018]** The base (10, 30) has a tool mount (13, 33), a shelf (12, 32) and a container holder (19, 31). In a first embodiment as shown in FIG. 1, the base (10) further has a backboard (11) being a primary element on which all other elements are mounted.

**[0019]** The backboard (11) has a front surface, a top edge, a bottom edge and tool pegs (14). The tool pegs (14) are attached in pairs to the front surface of the backboard (11) in a horizontal line to hold tools such as a pair of channel locks, a hammer, a level or the like on the pairs of tool pegs (14). Each tool peg (14) has a proximal end, a distal end and an enlarged head, a lip or a hook. The proximal end is attached to the backboard (11). The enlarged head, lip or hook is formed on the distal end to hold tools on the tool peg (14).

**[0020]** The tool mount (13, 33) has a top surface, a front, multiple tool-mounting holes (131, 331), at least one pliers-mounting slot (132, 332) and two tool pegs (14, 34). The tool-mounting holes (131, 331) are defined in the top surface and may be defined through the tool mount (13, 33). Each tool-mounting hole (131, 331) may hold a tool such as a screwdriver by extending the head of the screwdriver through the tool-mounting hole (131, 331). The pliers-mounting slot (132, 332) is defined in the top surface through the tool mount (13, 33) and may hold a pair of pliers having a nose by extending the nose of the pliers into the pliers-mounting slot (132, 332). The tool pegs (14, 34) are the same as those in the backboard (11) and are attached to the front of the tool mount (13, 33). In the first embodiment of the tool bracket in accordance with the present invention, the tool mount (13) is mounted on the front surface of the backboard (11).

**[0021]** The shelf (12, 32) has an inclined front, a top, a rear, multiple sets of multiple mounting holes (121, 321, 123, 323) and at least one bin. The sets of tool-mounting holes (121, 321, 123, 323) are defined in the inclined front, are arranged in at least one row and respectively hold tools such as drill bits, screwdriver heads, sockets and the like. In a first embodiment of the shelf (12) as shown in FIG. 1, the at least one bin is defined in the top of the shelf (12) and may hold fixtures and fittings. In a second embodiment of the shelf (32) as shown in FIG. 3, the at least one bin is defined in the inclined front of the shelf (32) below the sets of mounting holes (321, 323). In the first embodiment of the tool bracket in accordance with the present invention, the shelf (12) is mounted on the front surface of the backboard (11).

[0022] The container holder (19, 31) has multiple holes and multiple magnetic metal elements (172, 372). The holes are formed in the container holder (19, 31), and the magnetic metal elements (172, 372) are mounted respectively in the holes. To demonstrate the widely diverse nature of the invention, two embodiments of the container holder (19, 31) within the structure of the invention are described.

[0023] With further reference to FIG. 3, the container holder (19) in the first embodiment of the tool bracket in accordance with the present invention is mounted on the top edge of the backboard (11) and has a disk bracket (15), a shaft (16) and a disk (17). The disk bracket (15) is attached securely to and extends perpendicularly from the top edge of the backboard (11) and has a distal end. The shaft (16) is mounted through and extends down from the distal end of the disk bracket (15) and has a bottom end. The disk (17) is mounted coaxially and rotatably on the bottom end of the shaft (16) and has an outer edge, a top, a bottom, multiple holes, multiple recesses (171) and multiple magnetic metal elements (172). The holes are defined in the top and bottom of the disk (17) and are spaced equally around the shaft (16) between the shaft (16) and the outer edge. The recesses (171) are defined in the top and the bottom of the disk (17) and correspond respectively with the holes. The magnetic metal elements (172) may be magnets and are mounted respectively in the holes in the disk (17).

[0024] The container holder (31) in a second embodiment of the tool bracket in accordance with the present invention is the primary element of the base (30) on which all other elements mount, is a cylindrical slab and may be mounted on a wall. The container holder (31) has a front, a rear, an annular outer surface (37), multiple holes, multiple recesses (371) and multiple magnetic metal elements (372). The annular outer surface (37) has a front edge. The holes are defined radially in the annular outer surface (37) and are equally spaced. The recesses (371) are defined in the annular outer surface (37) respectively around the holes. The magnetic metal elements (372) are the same as the magnetic metal elements (172) in the first embodiment and are mounted respectively in the holes in the annular outer surface (37). The tool mount (33) and the shelf (32) are mounted on the front of the container holder (31).

[0025] With further reference to FIG. 2, the containers (20) are mounted detachably on the container holder (19, 31), detachably connect respectively to the magnetic metal elements (172) and may hold fasteners such as screws, nails, bolts and nuts. Each container (20) has a jar (21), a lid (22) and a magnet (23). The jar (21) may be transparent, may be made of plastic or glass and has a bottom. The lid (22) is mounted detachably on the jar (21). The magnet (23) is attached securely to the container (20). In one embodiment of the container (20), the magnet (23) is mounted securely in the lid (22), and in another embodiment of the container, the magnet (23) is mounted securely in the bottom of the jar (21). In either case, the magnet (23) detachably attaches to one of the magnetic metal elements (172, 372) in the container holder (19, 31).

[0026] The container (20) can be carried safely by people and keep from exposing them to the fasteners that could injure them.

[0027] Even though numerous characteristics and advantages of the present invention have been set forth in the

foregoing description, together with details of the structure and function of the invention, the disclosure is illustrative only. Changes may be made in detail, especially in matters of shape, size, and arrangement of parts within the principles of the invention to the full extent indicated by the broad general meaning of the terms in which the appended claims are expressed.

What is claimed is:

1. A tool bracket comprising:

a base having

a tool mount having a top surface, a front and multiple tool-mounting holes defined in the top surface;

a shelf having an inclined front, a top, a rear and multiple sets of multiple mounting holes defined in the inclined front; and

a container holder having multiple holes formed in the container holder and multiple magnetic metal elements mounted respectively in the holes; and

at least one container attached detachably on the container holder and having

a jar having a bottom;

a lid mounted detachably on the jar; and

a magnet attached securely to the container and detachably attaching to one of the magnetic metal elements on the container holder.

2. The tool bracket as claimed in claim 1, wherein: the base further has a backboard having a front surface, a top edge and a bottom edge;

the tool mount is mounted on the front surface of the backboard;

the shelf is mounted on the front surface of the backboard;

the container holder is mounted on the top edge of the backboard and further has

a disk bracket attached securely to and extending from the top edge of the backboard and having a distal end;

a shaft mounted to and extending down from the distal end of the disk bracket and having a bottom end; and a disk mounted coaxially and rotatably on the bottom end of the shaft and having an outer edge, a top and a bottom;

the holes in the container holder are defined in the top and bottom of the disk and equally spaced around the shaft between the shaft and the outer edge; and

the magnetic metal elements of the container holder are mounted respectively in the holes in the disk.

3. The tool bracket as claimed in claim 2, wherein the shelf further has at least one bin defined in the top of the shelf.

4. The tool bracket as claimed in claim 3, wherein the backboard further has tool pegs attached in pairs to the front of the backboard in a horizontal line, and each having a proximal end attached to the backboard, a distal end and an enlarged head formed on the distal end.

5. The tool bracket as claimed in claim 4, wherein the tool mount further has tool pegs attached in pairs to the front of

the tool mount in a horizontal line, and each tool peg has a proximal end attached to the tool mount, a distal end and an enlarged head formed on the distal end.

6. The tool bracket as claimed in claim 5, wherein the tool mount further has at least one pliers-mounting slot defined in the top surface through the tool mount.

7. The tool bracket as claimed in claim 6, wherein:

the disk of the container holder further has multiple recesses defined respectively in the top and the bottom of the disk and corresponding respectively with the holes.

8. The tool bracket as claimed in claim 1, wherein: the container holder of the base is a cylindrical slab and further has a front, a rear and an annular outer surface;

the holes in the container holder are defined radially in the annular outer surface and being equally spaced;

the magnetic metal elements of the container holder are mounted respectively in the holes in the annular outer surface; and

the tool mount and the shelf are mounted on the front of the container holder.

9. The tool bracket as claimed in claim 8, wherein the shelf further has at least one bin defined in the inclined front of the shelf.

10. The tool bracket as claimed in claim 9, wherein the tool mount further has multiple tool pegs attached in pairs to the front of the tool mount in a horizontal line, and each tool peg has a proximal end attached to the tool mount, a distal end and an enlarged head formed on the distal end.

11. The tool bracket as claimed in claim 10, wherein the tool mount further has at least one pliers-mounting slot defined in the top surface through the tool mount.

12. The tool bracket as claimed in claim 11, wherein the container holder further has multiple recesses defined in the annular outer surface respectively around the holes.

13. The tool bracket as claimed in claim 1, wherein the magnet of each one of the at least one container is mounted securely in the lid of the container.

14. The tool bracket as claimed in claim 1, wherein the jar of the at least one container is transparent.

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