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(54) A carriable and wall mountable tool storage system

(57) According to the present invention there is provided a portable, wall mountable tool storage system (10) and kit comprising a container formed with a substantially rigid base (12), two side walls (14A,14B), a front panel (16) and a rear panel (18). Each of the panels (16,18) is pivotally articulated to the base (12) and each has a free end adapted for securing at a top side of the container. A plurality of various articles retaining elements (72) is provided at least within the container. The tool storage system (10) further comprises at least one carrying element (28) for carrying the tool system (10) at a substantially upright position, and at least one wall mounting arrangement (15) for retaining the tool storage system (10) at a substantially horizontal wall mounted position.

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Description

FIELD OF THE INVENTION

[0001] This invention relates to a multipurpose, portable, wall mountable tool storage system deployable between different use-modes.

BACKGROUND OF THE INVENTION

[0002] Portable tool boxes have been used by different users such as craftsmen, mechanics and home handymen for many years. Such prior devices have attempted to provide such desirable features as a lightweight design for convenient and easy portability and handling, a wall-mounting capacity to save valuable floor space for other necessary tools or equipment and conveniently display the contents in the wall mounted position.

[0003] US Pat. No. 4,819,800 discloses a tool box adapted for wall-mounting and having an open mode permitting tool access and a closed mode for transport. A tool box is formed of two identical shallow halves hinged together to have an open position for use and a closed position for carrying. A set of supports permit the box to be temporarily attached to a wall, such as the rear cab wall of a pickup truck or the like, in the open position, providing access to tools held in a plurality of tool holders attached to planar walls of the box halves. The supports include resilient portions for quick release of the box halves. Handles on the tool box permit carrying thereof in closed position.

[0004] US Pat. No. 6,113,202 discloses a portable, wall mountable tool box supply cabinet and work bench combination. A portable, wall-mountable tool box-supply cabinet and work bench combination consists of a tool housing having a back panel that is framed by a top panel, a bottom panel and two side panels to define a tool receiving well. The tool receiving well has tool-clasping and holding fixtures. A front panel for the tool housing is pivotally attached to the bottom panel and is rotatable from a vertical closure position covering the tool receiving well, to a horizontal work bench position providing a work platform, to a vertical position 180° from the closure position providing access to tools, parts, supplies and equipment in the tool box-supply cabinet. The tool box-supply cabinet and work bench is a unitary assembly of parts that are releasably interconnected, but that are not individually separable from the assembly. The tool box-supply cabinet and work bench is foldable to a thin, portable case that is capable of being easily handled, that is wall mountable for storage and/or use, and that is useful as a freestanding tool box-supply cabinet and/or work bench at locations where wall mounting is not possible or desirable.

[0005] It is an object of the present invention to provide a carriable (i.e. portable) and wall-mountable tool storage system/toolbox deployable between at least one carriable position and at least one wall mounted position. The tool box being essentially light weight fitted with tools/utensils holding fixtures, pockets and holders.

SUMMARY OF THE INVENTION

[0006] According to the present invention there is provided a tool bag system (container) suited for storage, displaying and carrying articles. The system being suitable for carrying from one location to another at an essentially upright position, and for suspending at an essentially horizontal position (e.g. extending upright from a supporting wall) wherein the interior of the tool bag/container is easily accessible and the content thereof is conveniently and readily displayed.

[0007] The term *"wall"* as used hereinafter in the specification and claims is used to denote any substantially vertical structure such as a wall, a door, a support panel, etc.

[0008] According to the invention there is provided a portable, wall mountable tool storage system comprising a container formed with a substantially rigid base; two rigid side walls; a front panel and a rear panel each pivotally articulated to the base and each having a free end adapted for securing at a top side of the container; a plurality of article retainers provided within the container; said tool storage system comprising at least one carrying element for carrying the tool system at a substantially upright position, and at least one wall mounting arrangement for retaining the tool storage system at a substantially horizontal wall mounted position.

[0009] The tool system according to the present invention may comprise any one or more of the following features and characters:

- the side walls are integral with the base and extend substantially at a right angle thereto;
- a rigid connector bar extends between top ends of the side walls;
- the connector bar is fitted with a carrying handle;
- a rigid platform extends between at least a major portion of the side walls;
- the base comprises at least one wall mounting element for securing the tool system on a substantially vertical surface at a substantially horizontal position, i.e. such that the base is parallel to the wall and where a rigid platform is provided it is substantially horizontal;
- the base comprises a wall mounting bracket detachably attachable to the base;
- one or both of the base and the wall mounting bracket comprise at least one wall mounting element for securing the tool system on a substantially vertical surface at a substantially horizontal position;
- the free end of at least one of the front panel and the rear panel comprises a locking edge formed with wall mounting elements;
- at least one of the back panel and the front panel is pivotally articulated to the common edge of the base

through an integral hinge of the panel;

- the back panel and the front panel are made of a sheet of material (unitary or separate) and are attached to the base;
- the back panel and the front panel are a unitary sheet of material articulated to one of a top side and a bottom side of the base;
- the front panel and the back panel comprise at their free end a rigid locking bar fitted for locking arresting at a top of the container;
- at least one locking bar comprises a spirit level;
- the locking bars are fitted with a locking arrangement for securing the case at the locked state and to prevent un-authorized access;
- at least one locking bar comprises indicia selected from length and angular values;
- the tool system comprises at least one locking fastener for securing the locking bars at their closed position;
- the tool system may further comprise at least one restraining element extending from at least one side edge of the at least one of the front and rear panel, for supporting the container at a substantially horizontal position when the system is wall mounted;
- the article retainers are selected from a group comprising pockets of different sizes and shapes, loops, hooks, T-hooks, straps and clips for holding and storing and displaying different tools and accessories in a neat, organized fashion;
- the tool system may further comprise a tool rack articulated within the container and fixedly displaceable between at least two distinct angular positions for efficiently storing and displaying articles at the portable position and at the wall mounted position;
- the tool rack is pivotally retained between the side walls of the container;
- at least one of the front panel and the back panel are formed with a re-closable pocket accessible from the inside of the container and from the outside of the container;
- the base, the side walls and the rigid platform are an integral solid structure;
- the integral solid structure is a uniform plastic molding;
- the solid structure has an inverted T-like cross section;
- the solid structure further comprises a rigid top bar extending between top ends of the side walls, serving for securing the free ends of the panels at the closed position;
- side edges of the front panel and of the rear panel are detachably attachable to corresponding edges of the rigid side walls;
- edges of the front and back panels are detachably attachable to corresponding edges of the rigid side walls by magnetic strips;
- edges of the front and back panels are detachably attachable to corresponding edges of the rigid side walls by hook and pile fasteners. Other forms of securing the respective edges may be utilized too.

[0010] According to another aspect of the invention there is provided a positioning/mounting kit comprising a portable, wall mountable tool storage system having at least two distinct positions, wherein the tool storage system comprises:

a substantially rigid base portion, back wall and a front wall having one engaged to the base portion end and at least one free end, the rigid base portion comprising a rigid base and two affixed rigid side panels, the back wall and the front wall frame said base portion to form a portable tool storage system, having the first un-deployed position and at least one second deployed position allowing easy access to the stored tools therein;
a plurality of tool holding/clasping fixtures fitted on said front wall and said back wall;
elements on the tool storage system for carrying said tool storage system and for mounting said tool storage system on a wall; and
a mounting sheet.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] In order to understand the invention and to see how it may be carried out in practice, several embodiments will now be described, by way of nonlimiting example only, with reference to the accompanying drawings, in which:

Fig. 1A illustrates a tool storage system of the present invention in a first carrying position;
Fig. 1 B illustrates the tool storage systems in a second carrying position;
Fig. 1C is an isometric rear view of the tool storage system;
Fig. 2 illustrates the tool storage system in a closed, wall mounted position;
Fig. 3A illustrates the tool storage system in a first, wall mounted position;
Fig. 3B is an enlargement of the portion marked III in Fig. 3A, illustrating a lock fastener of the tool storage system;
Fig. 3C illustrates the tool storage system in a fully deployed wall mounted position;
Fig. 3D illustrates an enlargement of a respective portion in Fig. 3C illustrating a tool rack fitted within the tool storage system at a carrying position;
Figs. 4A to **4E** illustrate consecutive steps of deploying the tool storage system between a carriable and a wall mounted position, in association with a mounting kit therefore;
Fig. 5A illustrates a tool storage system according to an embodiment of the present invention, devoid of a rigid platform;

Fig. 5B illustrates a tool storage system according to an embodiment of the present invention, devoid of a rigid platform and a top rigid member with carrying handles integrated with locking bars;

Fig. 5C illustrates a tool storage system according to an embodiment of the present invention, wherein the front and rear panels are rigid;

Fig. 5D illustrates a tool storage system according to an embodiment of the present invention, wherein the side walls are collapsible;

Fig. 5E illustrates a tool storage system according to an embodiment of the present invention in a fully deployed position, wherein the rigid platform is detachably attachable; and

Fig. 6 illustrates a tool storage system according to an embodiment of the present invention detachably attachable on a wall mounting bracket.

DETAILED DESCRIPTION OF EXEMPLARY EMBODIMENTS

[0012] Attention is first directed to Figs.1 and 2 of the drawings illustrating a tool storage system in accordance with the present invention generally designated **10** comprising a rigid base **12** integrated with two rigid side walls **14A** and **14B,** a front panel **16** and a rear panel **18** pivotally articulated to the base **12.** The front panel **16** and the rear panel **18** are adapted for locking engagement at a closed position by a pair of locking fasteners **20,** fitted for arresting the front and rear panels at the closed position as illustrated in Figs. 1A, 1B and 2. The base **12** is fitted with several mounting sockets **15** as seen in Fig. 1C.

[0013] It is noticed that in Fig. 1A the tool storage system **10** is carried at a first carriable position whereby an individual **24** carries the bag by aid of the carrying handle **28** extending from a rigid top member **30** which in the present embodiment extends integrally with the side walls **14A** and **14B** as will be explained hereinafter.

[0014] In Fig. 1B, the tool storage system **10** is carried by the individual in a second carriable position by use of a shoulder strap **34** detachably attached at opposing sides of the side walls **14A** and **14B,** respectively. Strap **34** may also be configured for carrying the tool storage system as a back pack (not shown).

[0015] Turning now to Fig. 2, the tool storage system **10** is illustrated in a first wall mounted position such that it extends substantially horizontally, where the base **12** is mounted flush on a wall **38** in a detachable manner as will be disclosed hereinafter. The term "horizontally" as used in this context refers to a position in which the base is parallel to the wall and where a rigid platform is provided it is substantially horizontal position, substantially perpendicular to the base.

[0016] In accordance with one particular embodiment of the invention, as illustrated for example in Fig. 3C, the base **12** is integrated with the side walls **14A** and **14B** with an interconnecting rigid platform **40** having a lateral edge constituting the top rigid member **30,** fitted with the locking fasteners **20** and the carrying handle **28.** In accordance with this embodiment, the rigid base together with its sidewalls **14A** and **14B** and platform **40** are made of rigid molded plastic.

[0017] The rigid platform **40** is formed with a plurality of apertures and tool receptacles **41.** Furthermore, platform **40,** at the wall mounted position is substantially horizontal such that tools and other items may be placed thereon safely. This position facilitates also use of the platform as a shelf or working surface.

[0018] In accordance with a particular embodiment of the invention (e.g. as seen in Fig. 3C) panels **16** and **18** are made of durable fabric material e.g. Gortex™ Cordura, etc. which may also be water impregnated and further be protected by other means as known *per se.* The panels **16** and **18** are articulated to the base **12** forming an integral hinge along the corresponding edges of the base **12A** and **12B** respectively. A free end of each of the panels **16** and **18** is fitted with a locking bar **46** and **48** respectively, made of rigid material e.g. plastic, which is integrated to the end of each of the respective panels and which is adapted for snap locking into corresponding receptacles **50** formed at a top end of each of the side walls **14A** and **14B** so as to retain the panels **16** and **18** at their closed positions (also when the tool storage system is at its wall mounted position, namely to prevent spontaneous opening of the panels in this position).

[0019] According to an embodiment of the invention, the panels **16** and **18** are an integral sheet of material articulated to the base **12** (at either side thereof).

[0020] As mentioned above, the tool storage system is fitted with a pair of locking fasteners **20** displaceable between a locked position (Fig. 3B) and an open position (Fig. 3A) in which the locking bars **46** and **48** may be detached from the receptacles **50** so as to displace the flaps **16** and **18** into their open position (Fig. 3C). Furthermore, the tool storage system comprises a staple and hasp fastening system comprising a first strap **50A** and a second strap **50B** securable e.g. by a pad-lock (not shown) to reduce the likelihood of spontaneous opening of the tool system **10** and to provide a temper-proof indication.

[0021] As can be seen in Fig. 3C, the rear panel **18,** which at the wall mounted position constitutes an upper panel extending substantially flush against the wall **38,** is fitted with a pair of restraining members **54** so as to secure the tool system at a fixed relation (i.e. such that the panel **18** extends at a right angle with the platform **40)** and to prevent buckling of the system. Restraining members may be in the form of straps, semi-rigid or rigid rods etc. The restraining members may be provided on either one of the panels or both panels as desired. The restraining members may be an integral part of the tool storage system or may be detachably attachable thereto. Accordingly, the tool system may be wall mounted by turning it by 180° for that purpose appropriate tool securing elements are provided.

[0022] Furthermore, in order to prevent small articles

to fall from the tool system upon carrying thereof, closing arrangements may be provided for securing edges **56** of the panels **16** and **18** from detaching from the corresponding edges **58** of the side walls **14A** and **14B** respectively. Such means may be for example a magnetic strap extending along the respective edges **56** and **58** or hook and pile fasteners (Velcro™).

[0023] As can further be seen in Fig. 3C the front and rear panels **16** and **18** are each formed at their inner side with a plurality of hooks (not shown), pockets **19,** loops **21** and hanging clips **23** etc.

[0024] In Fig. 1B it is noticed that the front panel **16** is formed with a zipper **62** on a pocket **66** (notice for example in Figs. 3A and 3C) and formed with a closable aperture allowing access from an inside thereof. This arrangement facilitates introducing items into the tool storage system **10** also at the closed position (Figs. 1A and 1B).

[0025] With further reference now to Figs. 3C and 3D, there is illustrated a tool rack generally designated as **70** which is in the form of a rigid bar pivotally extending between the opposite side walls **14A** and **14B** and formed with a plurality of tool receptacles **72** of different sizes and shapes so as to receive and support different tools such as screwdrivers, drilling bits, etc.

[0026] The tool rack **70** may comprise a tool holding arrangement to retain tools received therein. Such an arrangement could be, for example, a magnet associated therewith or some foamed material filled in a cavity of the tool rack, or resilient material formed with retention winglets, such that when tools like screw-drivers, bits and the like are inserted into the receptacles **72** they will retain their location and not fall out of said receptacles.

[0027] The tool rack **70** is pivotally displaceable between at least two distinct positions namely a first position as in Fig. 3D and 4E serving for carrying the bag at the carriable position (i.e. vertical orientation), and a second position as in Fig. 3C suited for displaying the tools when the storage system **10** is at the wall mounted position for conveniently displaying the items received therein and to allow easy access thereto (i.e. at a substantially horizontal orientation).

[0028] As indicated hereinabove, the tool storage system **10,** in accordance with the present invention, is deployable between a carriable position wherein tools may be easily carried by an individual to a work site or alternatively the tool system may be used for hanging on a substantially vertical support, e.g. wall, door, etc., for conveniently displaying the tools and the articles contained therein. Articulating the storage system to the support wall may be facilitated by a wall mounting kit for use in association with the tool storage system **10,** said kit comprising a mounting sheet **80** (Figs. 4A and 4C) marked with a plurality of drilling indications **82** for indicating the locations at which mounting bolts **86** are to be secured to the wall **38.** In order to ensure horizontal orientation there is provided a spirit level **88** integrated in the rigid locking bar **48.** This spirit level **88** is also useful in carrying out different jobs. However the contents of the tool system may be easily visualized and accessible also when at the container is at its upright position upon opening of the panels, e.g. when a container is place on the ground or surface.

[0029] Optionally, one or both of the rigid locking bars **46** and **48** as well as surface of the platform **40** may be provided with different indicia **47** e.g. for measuring length or angles which often come useful for a craftsman, as illustrated in Fig. 5A.

[0030] In order to mount the tool storage system **10** in accordance with the present invention, a marking **90** (Fig. 4B) is marked on a surface of the carrying wall **38,** indicating the uppermost location at which the locking bar **48** will extend once the tool system is deployed into its open position. Then, mounting sheet **80** is positioned, as in Fig. 4C, such that its top edge **94** extends along marking **90,** in a substantially horizontal manner. By the aid of a power tool **96** four bolts **86T** and **86B** are secured to the wall **38,** at predetermined positions according to drilling indications **82** as set by the mounting sheet **80.** The mounting sheet **80** is then removed and the tool storage system **10** is mounted on the wall **38** by fitting the mounting sockets **15** on the lower bolts **86B** (Fig. 4D). The rear panel **18** is then opened (Fig. 4E) and is displaced into its substantially upright position and secured to the wall by mounting the locking bar **48** over the bolts **86T** through mounting sockets **49.**

[0031] It is however appreciated that the tool storage system may be secured by other means as well, such as, for example, one or more hooks (not shown) extending from the locking bar **48** etc.

[0032] If so desired the tool storage system may be suspended at its deployed position by either of straps **50A** or **50B.**

[0033] In the embodiment of Fig. 5A there is illustrated a modification of the invention wherein the base member **112** and the respective side walls **114A** and **114B** are rigid and integral with one another however devoid of rigid platform **40** (e.g. seen in Fig. 3C). Instead, there is a top rigid member **130** extending between top edges of the side walls **114A** and **114B,** fitted with the carrying handle **128.** Other components of the tool storage system are substantially similar as those referred to in the previous embodiments and the reader is referred thereto. It is further appreciated that the arrangement in accordance with the embodiment of Fig. 5A is suitable in particular for storage and carrying of larger hand tools, as may be required.

[0034] The embodiment illustrated in Fig. 5B is principally similar with that illustrated in connection with Fig. 5A however, devoid of top rigid member **130.** In this embodiment, the base **212** is integrally formed with the corresponding side walls **214A** and **214B** such that at the wall mounted position, as illustrated in Fig 5B, the side walls extend substantially vertically from the supporting wall (not shown). Furthermore, the locking bars **248** and **246** are integrated with a carrying handle **250** to facilitate

carrying of the tool storage system **10** and optionally to facilitate the hanging of the system.

[0035] In Fig. 5C there is illustrated still an embodiment of the present invention illustrating a tool storage system **310** wherein the base **312** is integrally formed with corresponding side walls **314A** and **314B** and with a rigid platform **340** as discussed for example, in connection with the embodiment of Fig. 3C. However, in the embodiment of Fig. 5C the front and rear panels are rigid panels **318** and **316,** e.g. made of formed plastic sheet, metal sheet, etc. with a curved top portion **319** and **321** integral with the panels **316** and **318,** respectively, formed so as to complement each other at the closed position of the tool storage system at its closed position (not shown). Alternatively, at the line of intersection between the panels **316** and **318** and their respective top portions **319** and **321** there may be formed an integral hinge, or a physical hinge, to facilitate total displacement of the top portions **319** and **321** to a substantially vertical position upon deployment into the wall mounted position (not shown).

[0036] Fig. 5D illustrates still another embodiment of the present invention wherein the tool storage system **410** comprises a rigid base **412** formed with a pair of rigid side walls **414A** and **414B** pivotally secured to the base **412** along their mating edges **415.** In accordance with this embodiment, at the hand held position the side walls **414A** and **414B** are displaced into a position where they extend substantially upright from the base **412** with the panels **416** and **418** closing the tool system and securing the side walls **414A** and **414B** at their closed position. The inside surface of the side walls **418A** and **418B** are each fitted with tool supports **419** for securing tools therein at the fully deployed position.

[0037] The embodiment of Fig. 5D may be integrally fitted with a rigid platform e.g. platform **40** in the embodiment of Fig. 3C or may be devoid of such a platform as in the illustrated embodiment.

[0038] The embodiment of Fig. 5E illustrates a tool storage system in accordance with still an embodiment of the present invention generally designated **510** which is substantially similar to the embodiment of Fig. 3C with the exception that it comprises a detachably mountable rigid platform **540** formed at its side edges with a dovetail or other suitable arrangement to facilitate displacement, e.g. sliding engagement with the side walls **514A** and **514B.** In accordance with this embodiment, the user has the option to choose between a configuration including or devoid of the working surface **540.**

[0039] Fig. 6 illustrates still an embodiment of the present invention which is substantially similar to the example of Fig. 3C however with an exception that the base **612** is adapted for engagement with a wall mounting bracket **615** which is detachably attachable on a carrying surface (e.g. wall, door, etc.) or may be fixedly attached thereto by a plurality of mounting sockets **617** (which are otherwise provided at a bottom surface of the base **12** as shown in Fig. 1C). It should be noted however that the mounting bracket can be in any other form and can be added separately inside the bag - e.g. in the form of rigid strips instead of rigid plate, etc.

[0040] The tool carrying system in accordance with any of the embodiments of the present invention may be used for a variety of purposes and by a variety of individuals for example, it may be used for carrying work tools, crafts, make-up kits (in which case one of the panels may also comprise a mirror), etc.

[0041] An advantage of the system in accordance with the present invention is that tools and any other articles may be conveniently and easily carried between one location and another location and at a carriable position (where the tool storage system is substantially upright, i.e. vertically extending position) and is radially deployable into a wall mounted position (at a substantially horizontally extending positions) for conveniently displaying the goods stored within the tool storage system allowing easy access to the contents of the bag. Even more so, different locomoting arrangements may be integrated with or articulated to the tool storage system such as a wheeled base (not shown) optionally a telescopic towing handle.

[0042] The tool system may comprise one or more detachable pouches or containers to be carried in association with the tool system (i.e. attached to the container or within it) or separately therefrom by an individual.

[0043] While there have been shown several embodiments of the invention, it is to be understood that many changes may be made therein without departing from the spirit and scope of the invention. For example, whilst in the description reference has been made to carrying the tool system over one's shoulder, it may also be carried by other ways, e.g. back-pack mounting, hand carrying, wheeled locomoting, etc.

Claims

1. A portable, wall mountable tool storage system comprising a container formed with a substantially rigid base; two side walls; a front panel and a rear panel each pivotally articulated to the base and each having a free end adapted for securing at a top side of the container; a plurality of article retainers provided within the container; said tool storage system comprising at least one carrying element for carrying the tool system at a substantially upright position, and at least one wall mounting arrangement for retaining the tool storage system at a substantially horizontal wall mounted position.

2. A tool system according to claim 1, wherein the side walls are integral with the base and extend substantially at a right angle thereto.

3. A tool system according to claim 2, wherein a rigid connector bar extends between top ends of the side

walls.

4. A tool system according to claim 3, wherein the connector bar is fitted with a carrying handle.

5. A tool system according to claim 3, wherein a rigid platform extends between at least a major portion of the side walls.

6. A tool system according to claim 1, wherein the base comprises at least one wall mounting element for securing the tool system on a substantially vertical surface at a substantially horizontal position.

7. A tool system according to claim 1, wherein the base comprises a wall mounting bracket detachably attachable to the base.

8. A tool system according to claim 7, wherein one or both of the base and the wall mounting bracket comprise at least one wall mounting element for securing the tool system on a substantially vertical surface at a substantially horizontal position.

9. A tool system according to claim 1, wherein the free end of at least one of the front panel and the rear panel comprises a locking edge formed with wall mounting elements.

10. A tool system according to claim 1, wherein at least one of the back panel and the front panel is pivotally articulated to the edge of the base through an integral hinge of the panel.

11. A tool system according to claim 1, wherein the back panel and the front panel are a unitary sheet of material articulated to one of a top side and a bottom side of the base.

12. A tool system according to claim 6, wherein the front panel and the rear panel comprise at their free end a rigid locking bar fitted for locking arresting at a top of the container.

13. A tool system according to claim 12 wherein at least one locking bar comprises a spirit level.

14. A tool system according to claim 12 wherein at least one locking bar comprises indicia selected from length and angular values.

15. A tool system according to claim 12, comprising at least one locking fastener for securing the locking bars at their closed position.

16. A tool system according to claim 1, further comprising at least one restraining element extending from at least one side edge of the at least one of the front and rear panel, for supporting the container at a substantially horizontal position when the system is wall mounted.

17. A tool system according to claim 1, wherein the article retainers are selected from a group comprising pockets of different sizes and shapes, loops, hooks, T-hooks, straps and clips for holding and storing and displaying different tools and accessories in a neat, organized fashion.

18. A tool system according to claim 1 further comprising a tool rack articulated within the container and fixedly displaceable between at least two distinct angular positions for efficiently storing and displaying articles at the portable position and at the wall mounted position.

19. A tool system according to claim 18, wherein the tool rack is pivotally retained between the side walls of the container.

20. A tool system according to claim 1, wherein at least one of the front panel and the rear panel are formed with a re-closable pocket accessible from the inside of the container and from the outside of the container.

21. A tool system according to claim 5, wherein the base, the side walls and the rigid platform are an integral solid structure.

22. A tool system according to claim 21, wherein the integral solid structure is a uniform plastic molding.

23. A tool system according to claim 22, wherein the solid structure has an inverted T-like cross section.

24. A tool system according to claim 23, wherein the solid structure further comprises a rigid top bar extending between top ends of the side walls, serving for securing the free ends of the panels at the closed position.

25. A tool system according to claim 1, wherein side edges of the front panel and of the rear panel are detachably attachable to corresponding edges of the rigid side walls.

26. A tool system according to claim 24, wherein the side panels are detachably attachable to corresponding edges of the rigid side walls by magnetic strips.

27. A tool system according to claim 24, wherein the side panels are detachably attachable to corresponding edges of the rigid side walls by hook and pile fasteners.

28. A portable, wall mountable tool storage system hav-

ing at least two distinct positions, wherein the tool storage system comprises a substantially rigid base portion, front panel and a rear panel having one engaged to the base portion end and at least one free end, the rigid base portion comprising a rigid base, two affixed rigid side panels and a perpendicularly extending the rigid base rigid platform therebetween, said side panels, the front panel and the rear panel frame said base portion to form a portable tool storage system, having at least one carrying position and at least one deployed position allowing easy access to the stored tools therein; a plurality of tool holding/clasping fixtures fitted on said front panel and said back panel and said rigid panel; and arrangements attached to the tool storage system for carrying said tool storage system and for mounting said tool storage system on a wall.

29. A wall mounting kit comprising a portable, wall mountable tool storage system having at least two distinct positions, wherein the tool storage system comprises a substantially rigid base portion, back wall and a front wall having one engaged to the base portion end and at least one free end, the rigid base portion comprising a rigid base and two affixed rigid side panels, the back wall and the front wall frame said base portion to form a portable tool storage system, having the first un-deployed position and at least one second deployed position allowing easy access to the stored tools therein; a plurality of tool holding/clasping fixtures fitted on said front wall and said back wall; elements on the tool storage system for carrying said tool storage system and for mounting said tool storage system on a wall; and a mounting sheet.

Fig. 2

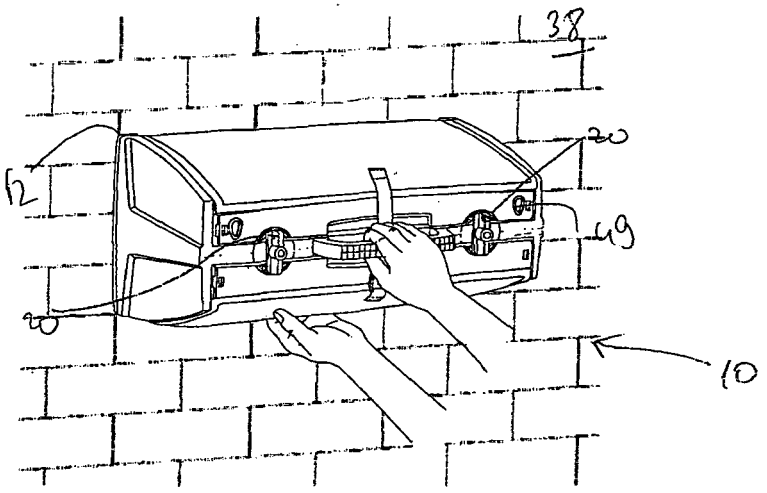


Fig. 1A

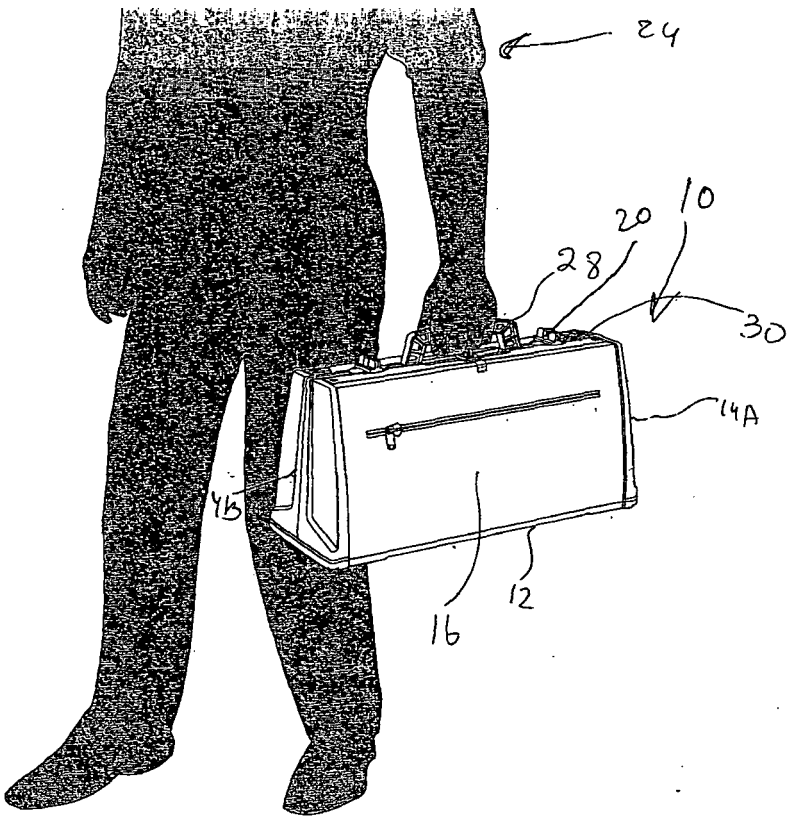


Fig 1B

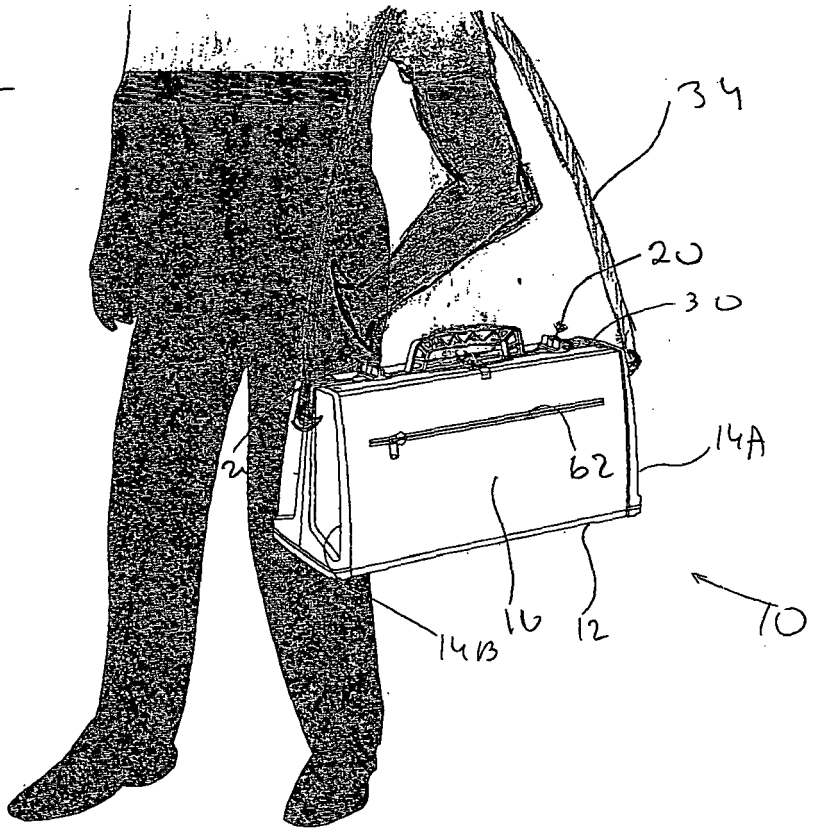
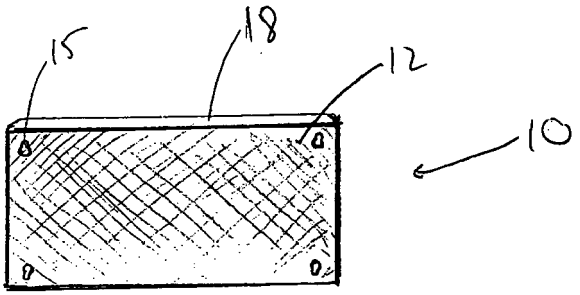


Fig. 1C



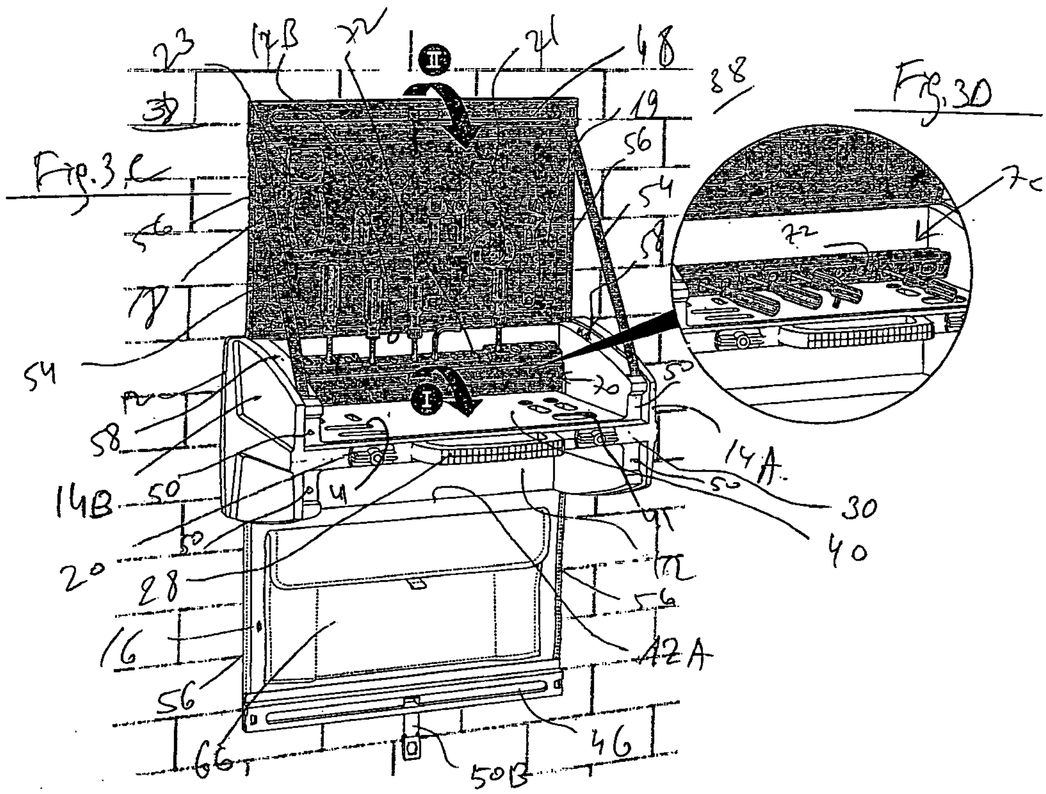


Fig.3C
Fig.3D

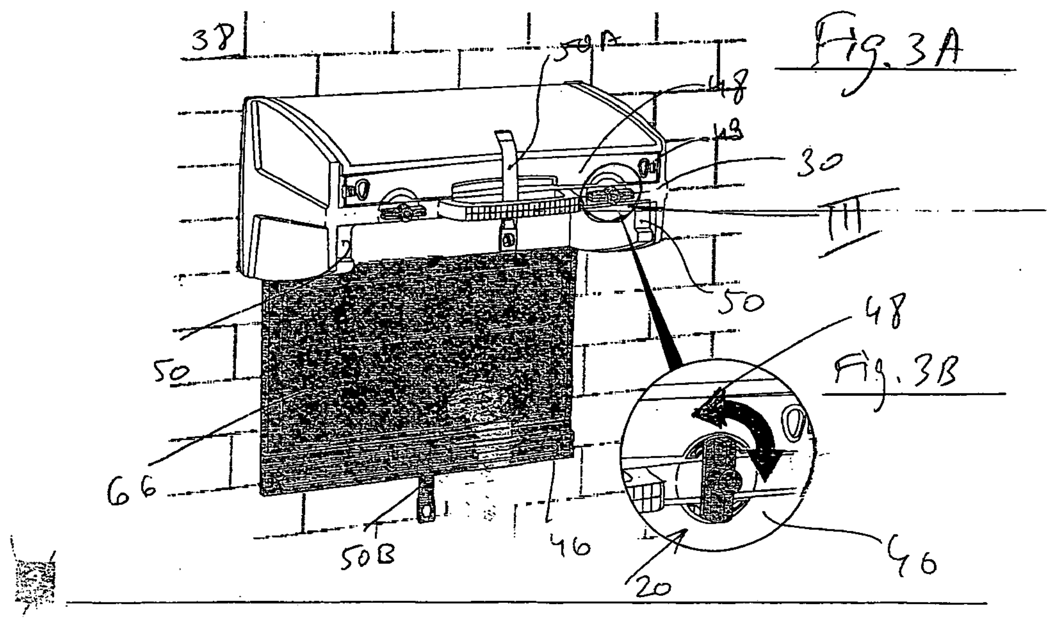


Fig.3A
Fig.3B

Fig. 4A

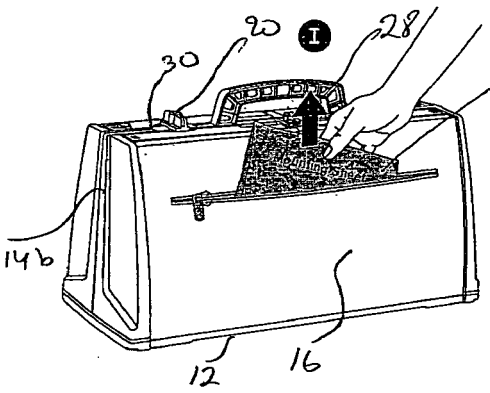


Fig 4B

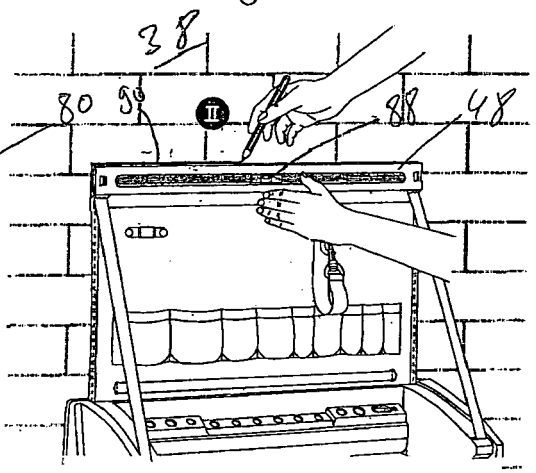
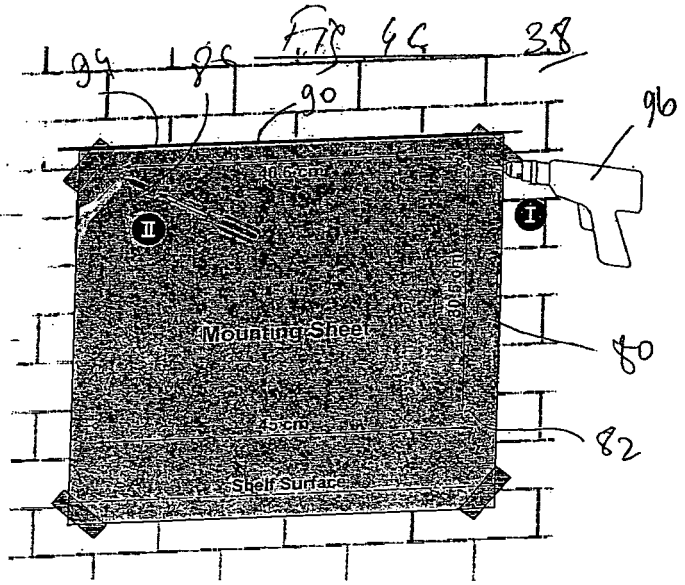


Fig 4C



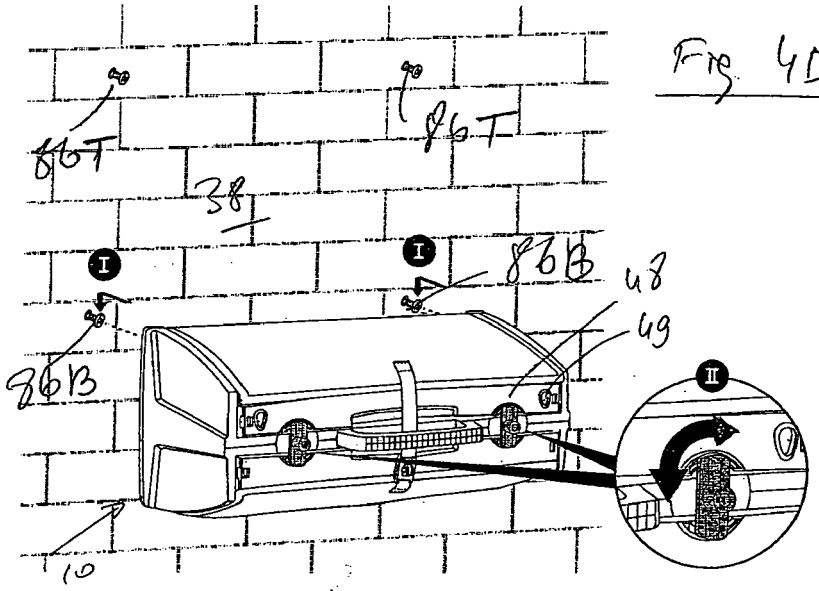


Fig. 4D

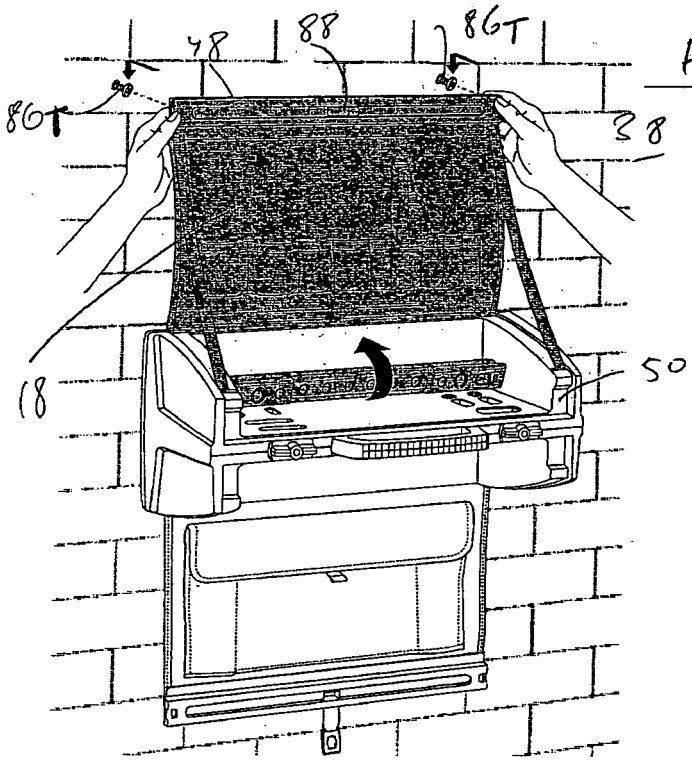


Fig. 4E

Fig. 5A

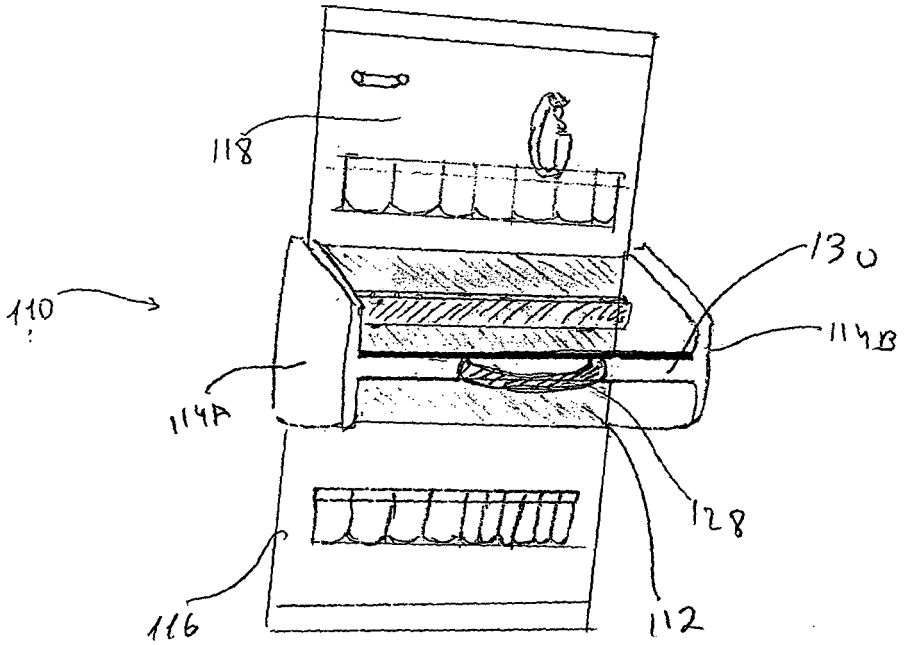


Fig. 5B

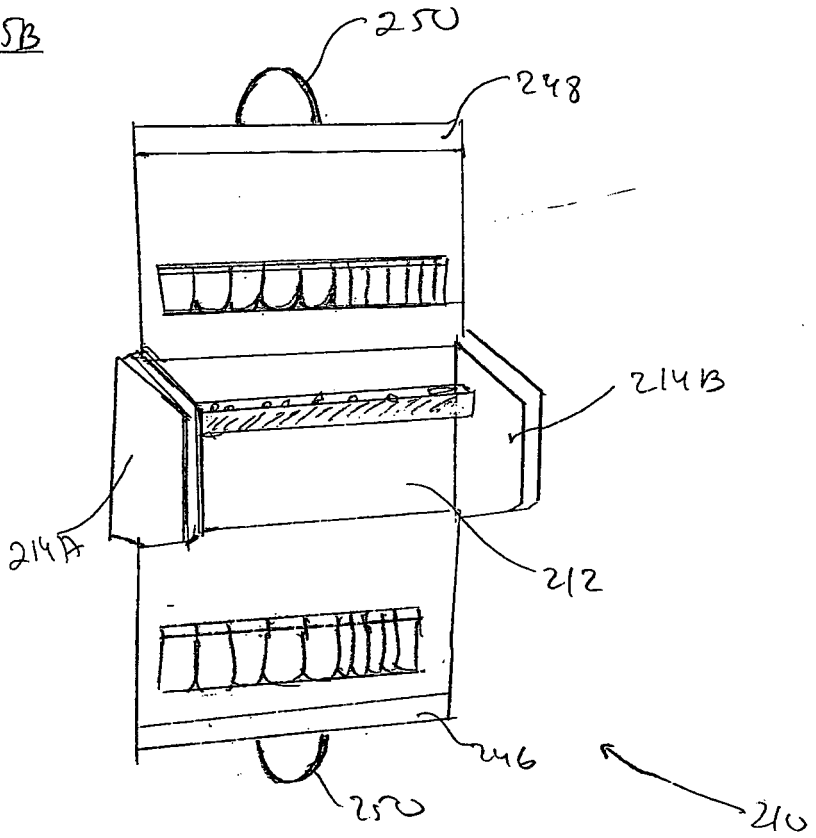


Fig. 5C

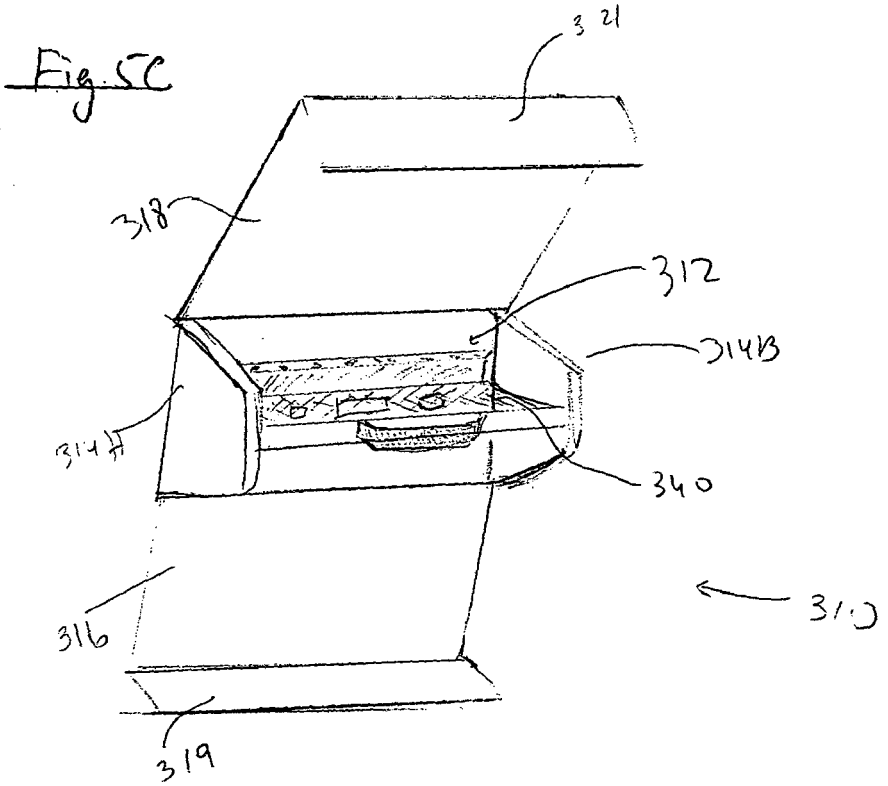
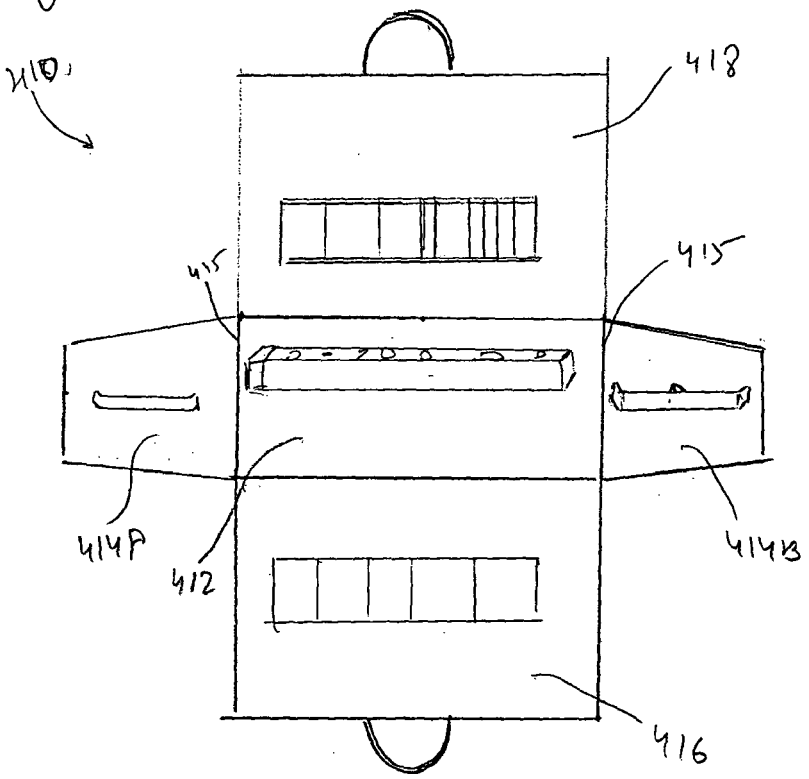
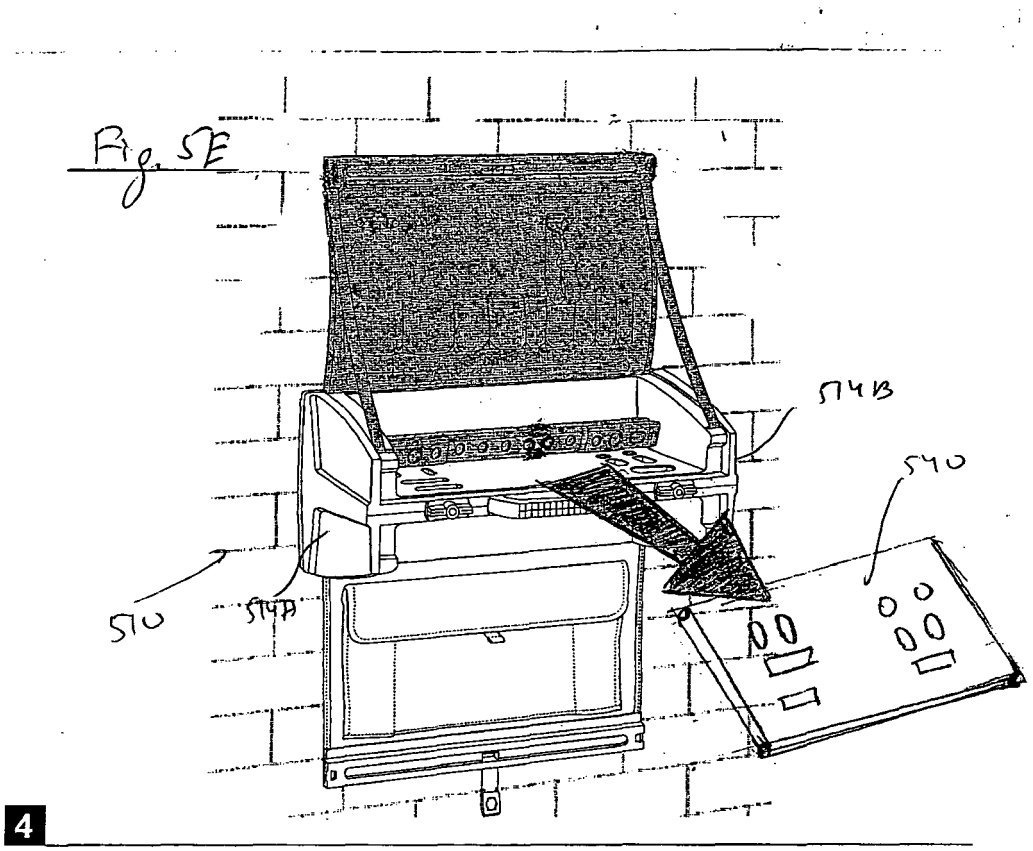


Fig. 5D





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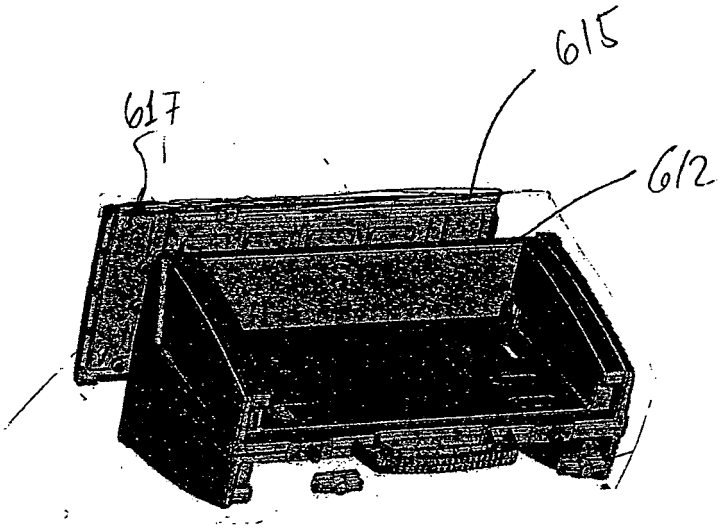

Fig. 6

European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 08 00 0044

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X Y	GB 764 061 A (WILLIAM JAMES HOLMES) 19 December 1956 (1956-12-19) * page 2, lines 100-106; figures *	28 1-12, 17-19, 21-25	INV. B25H3/04
Y	US 3 983 976 A (TAYLOR ALAN R) 5 October 1976 (1976-10-05) * column 1, lines 40-44; figures 1,2 * * column 2, lines 3-8; claim 1 *	1-12, 17-19, 21-25	
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	29 April 2008	Popma, Ronald

CATEGORY OF CITED DOCUMENTS

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29-04-2008

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