



US 20080083765A1

(19) **United States**

(12) **Patent Application Publication**
Landsinger

(10) **Pub. No.: US 2008/0083765 A1**

(43) **Pub. Date: Apr. 10, 2008**

(54) **PORTABLE CONTAINER FOR ASSEMBLY AT POINT OF USE**

Publication Classification

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(51) **Int. Cl.**
B65D 6/00 (2006.01)
(52) **U.S. Cl.** **220/666**

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(57) **ABSTRACT**

A kit for assembling a portable container at a point of use comprises a base of a predetermined length, a plurality of posts sized and adapted to fit into predetermined sockets located on the base, a back frame configured to prevent wracking of the portable container, a door sized and adapted to fit between two adjacent posts, a roof frame sized and adapted to maintain the plurality of posts in a substantially perpendicular position relative to the base, a plurality of panels sized and adapted to fit upright between two adjacent posts, means for enabling lifting the portable container, and a plurality of fasteners. Typically, each of the plurality of fasteners is sized and adapted to fasten at least one of inside the portable container and under the portable container.

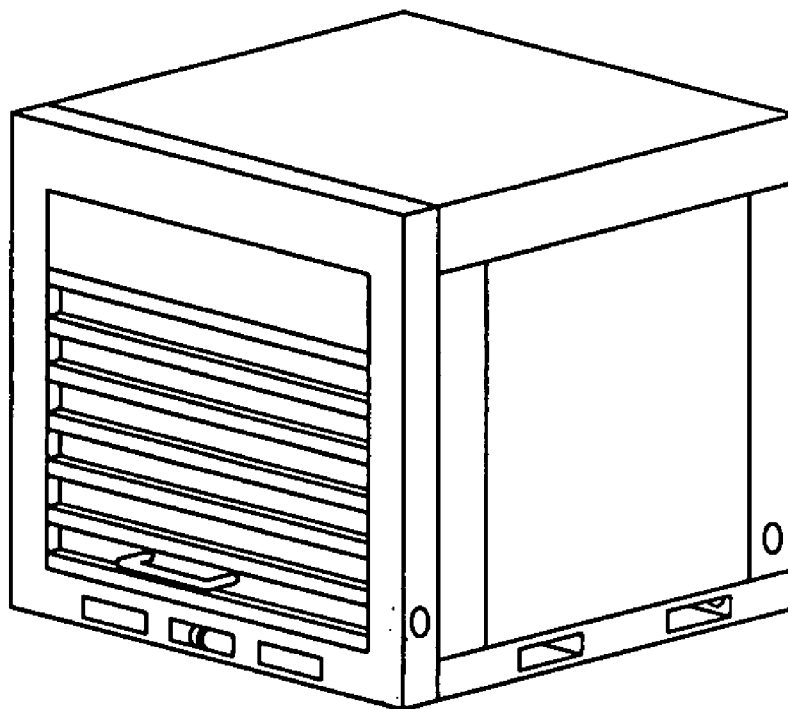
(21) Appl. No.: **11/973,137**

(22) Filed: **Oct. 4, 2007**

Related U.S. Application Data

(60) Provisional application No. 60/850,022, filed on Oct. 5, 2006.

100



100

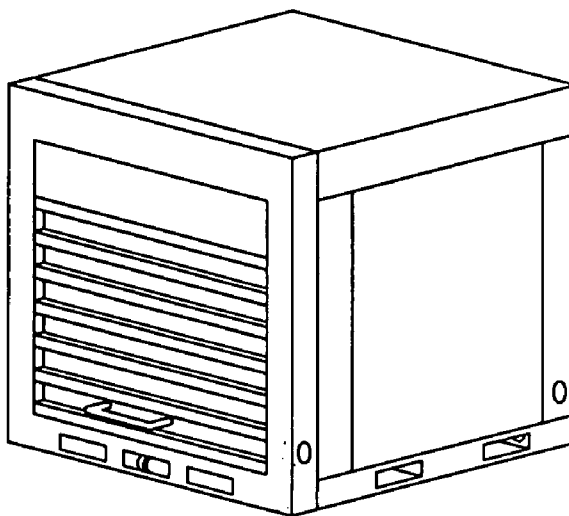


Fig. 1A

100

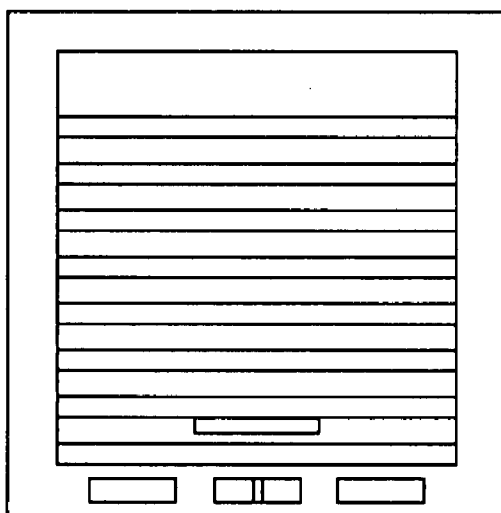


Fig. 1B

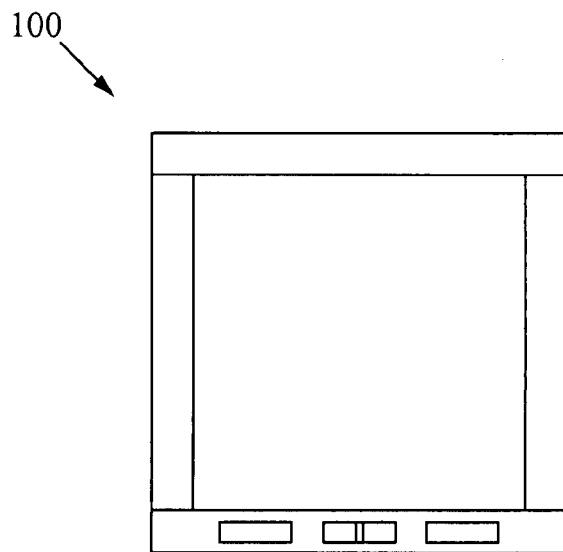


Fig. 1C

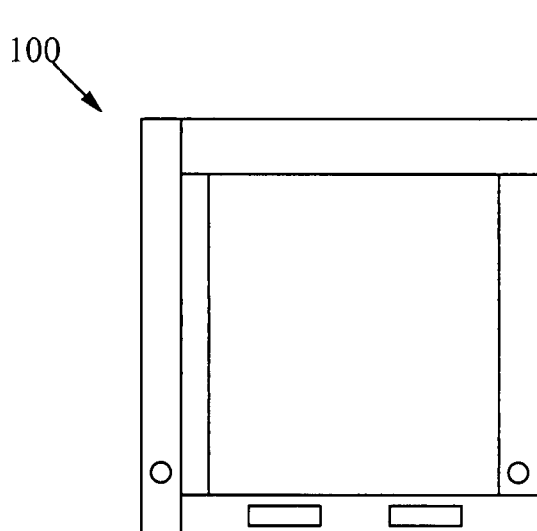


Fig. 1D

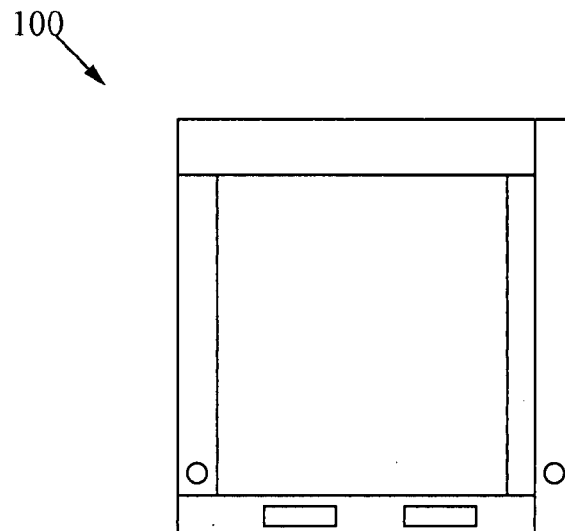


Fig. 1E

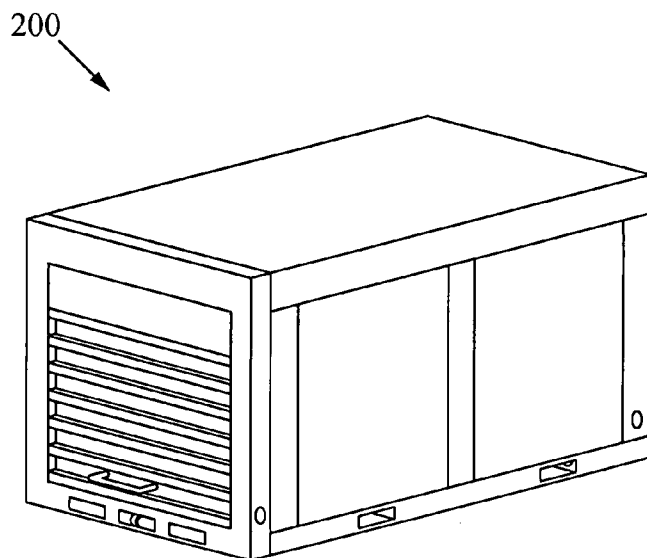


Fig. 2A

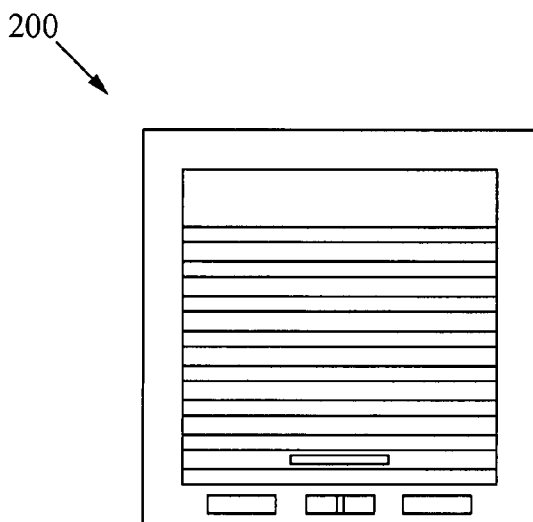


Fig. 2B

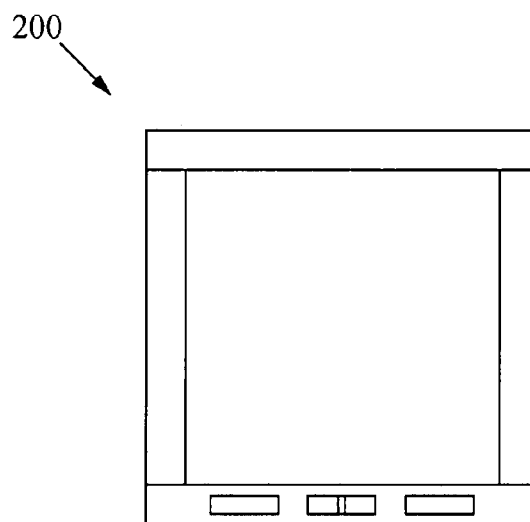


Fig. 2C

200

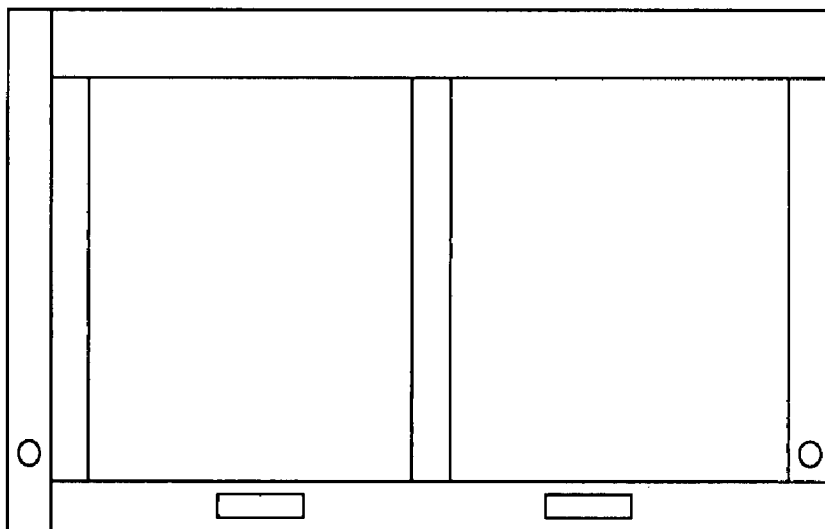


Fig. 2D

200

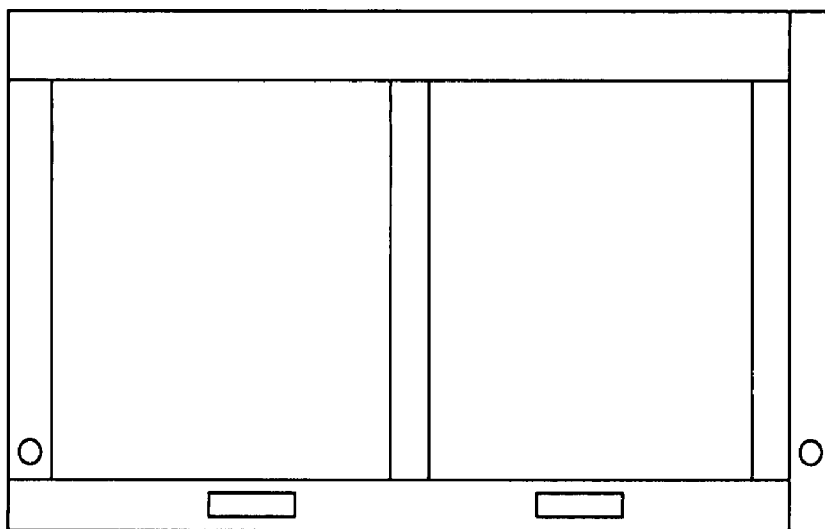


Fig. 2E

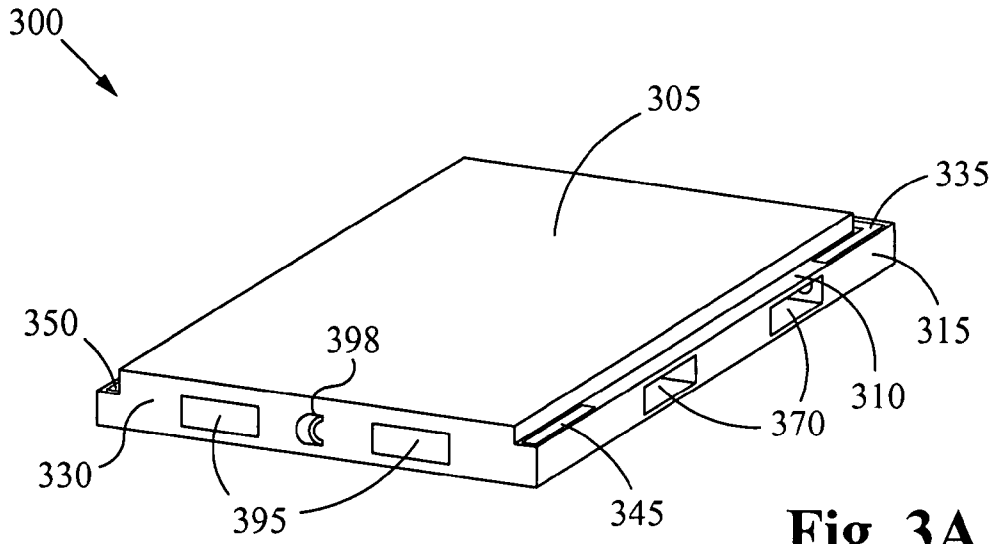


Fig. 3A

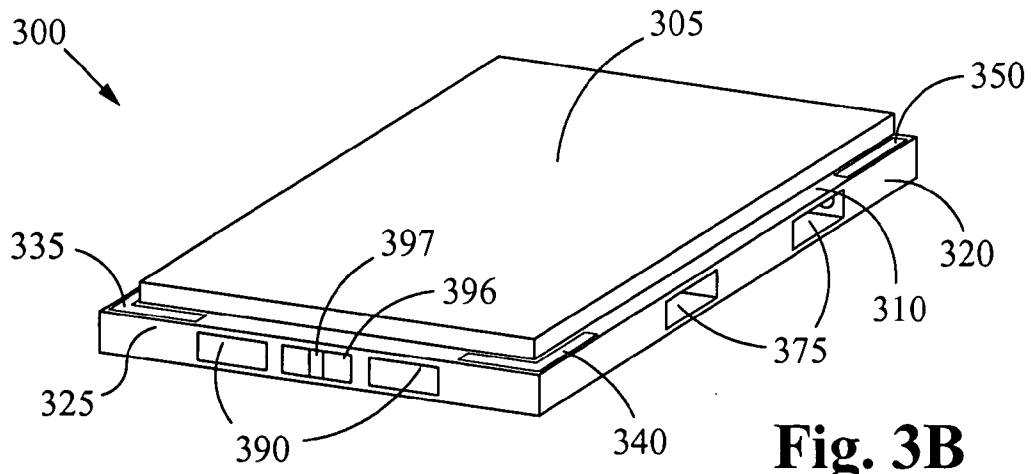


Fig. 3B

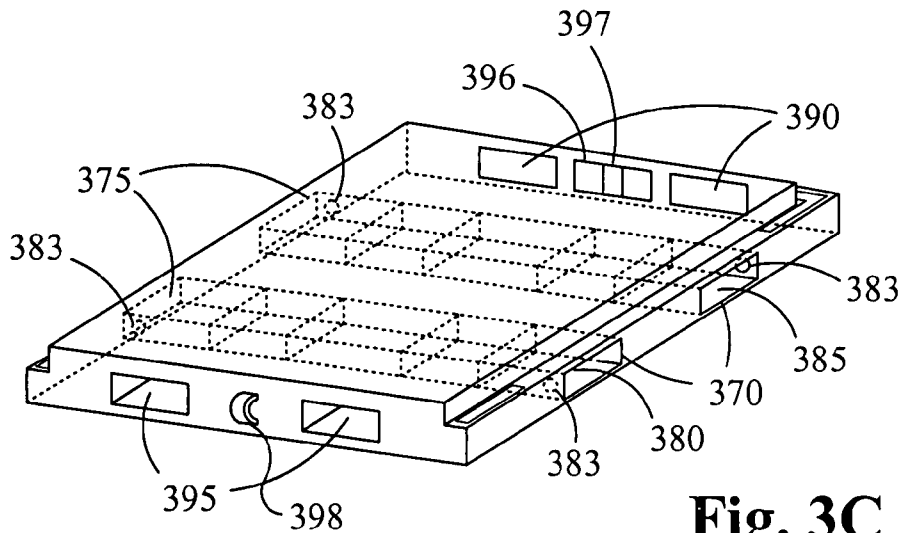


Fig. 3C

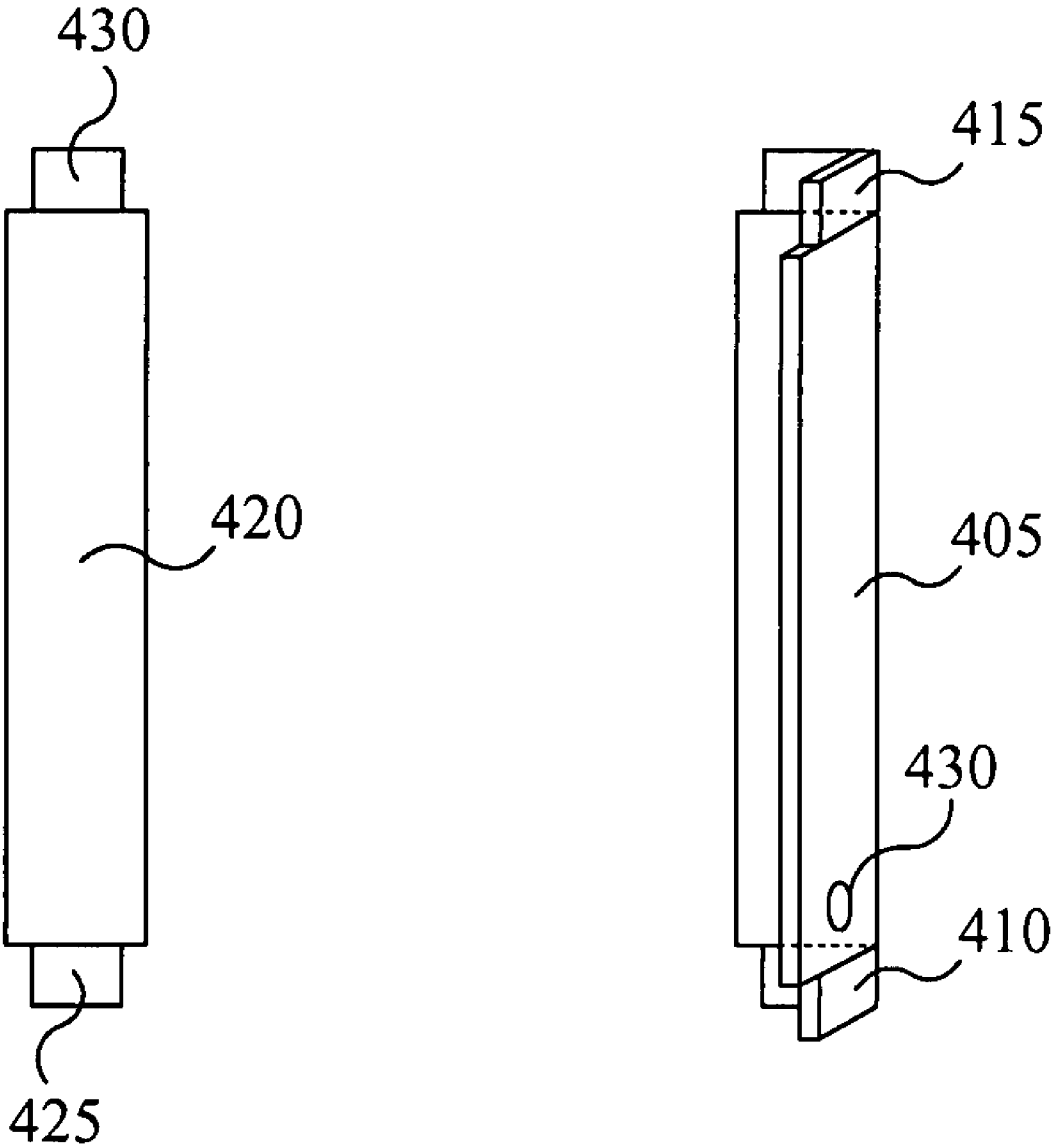


Fig. 4

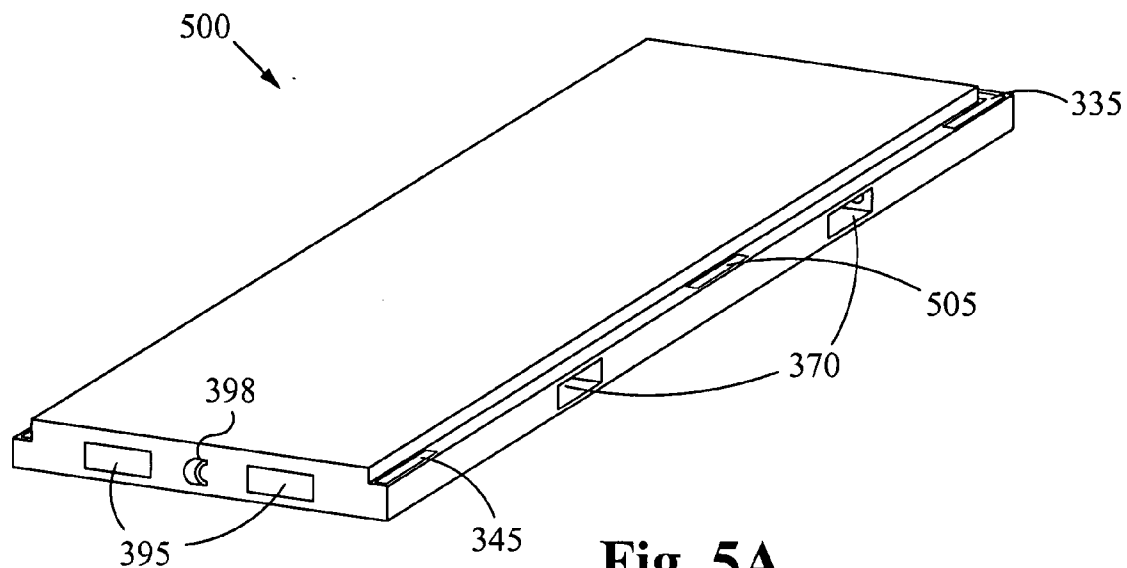


Fig. 5A

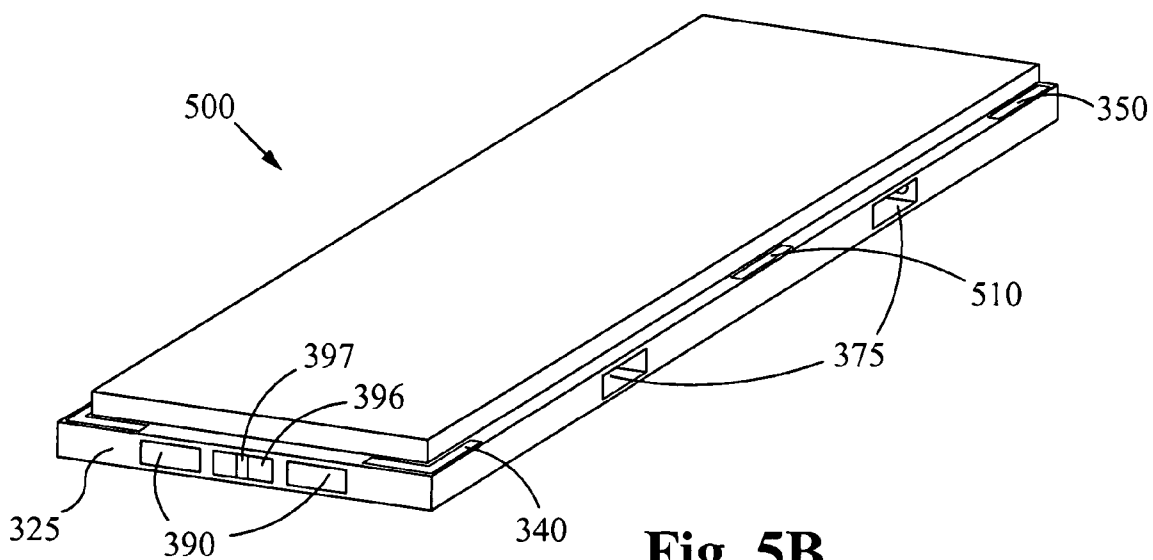


Fig. 5B

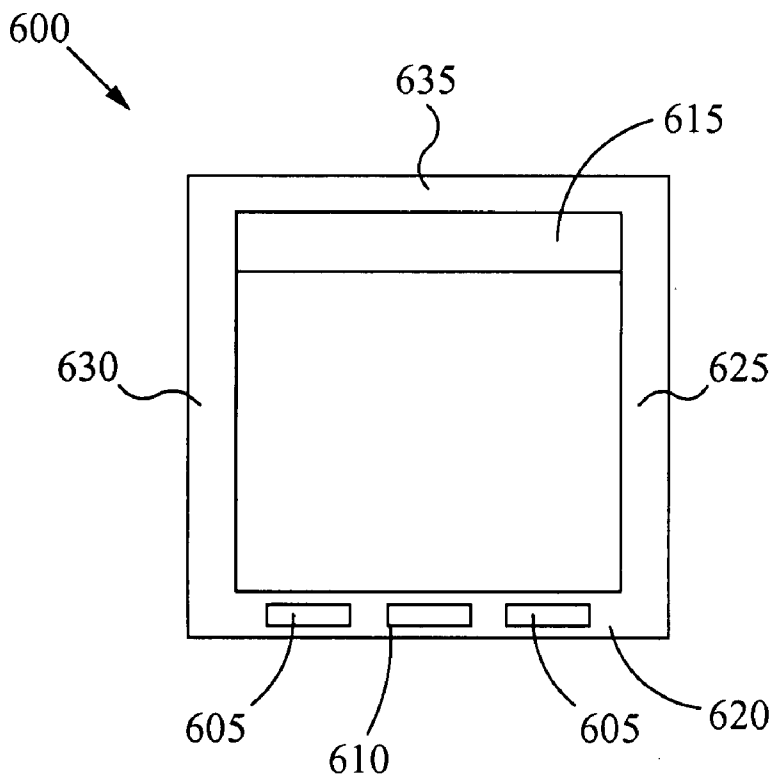


Fig. 6

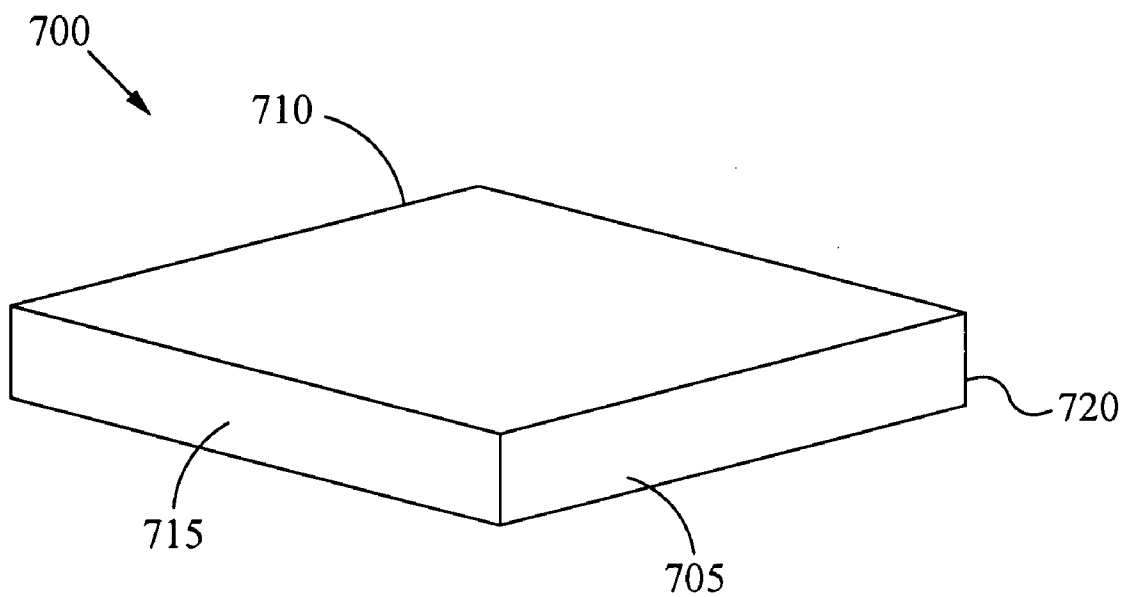


Fig. 7

800

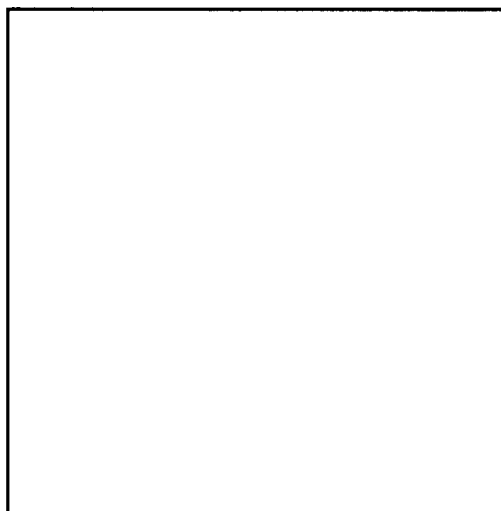


Fig. 8A

800

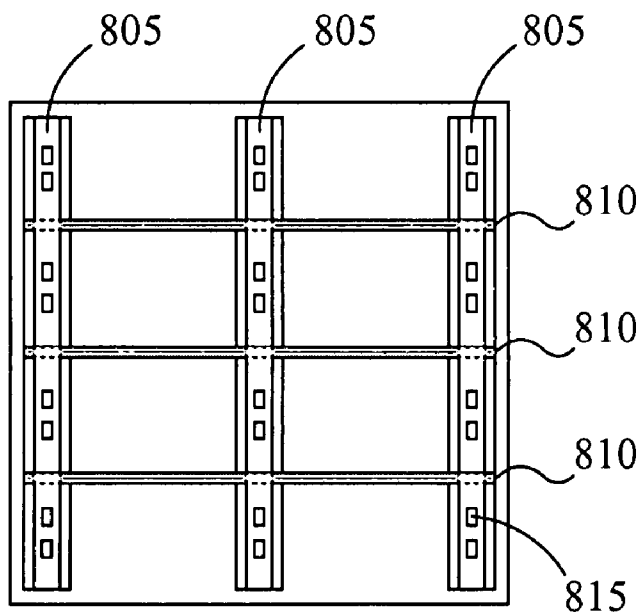


Fig. 8B

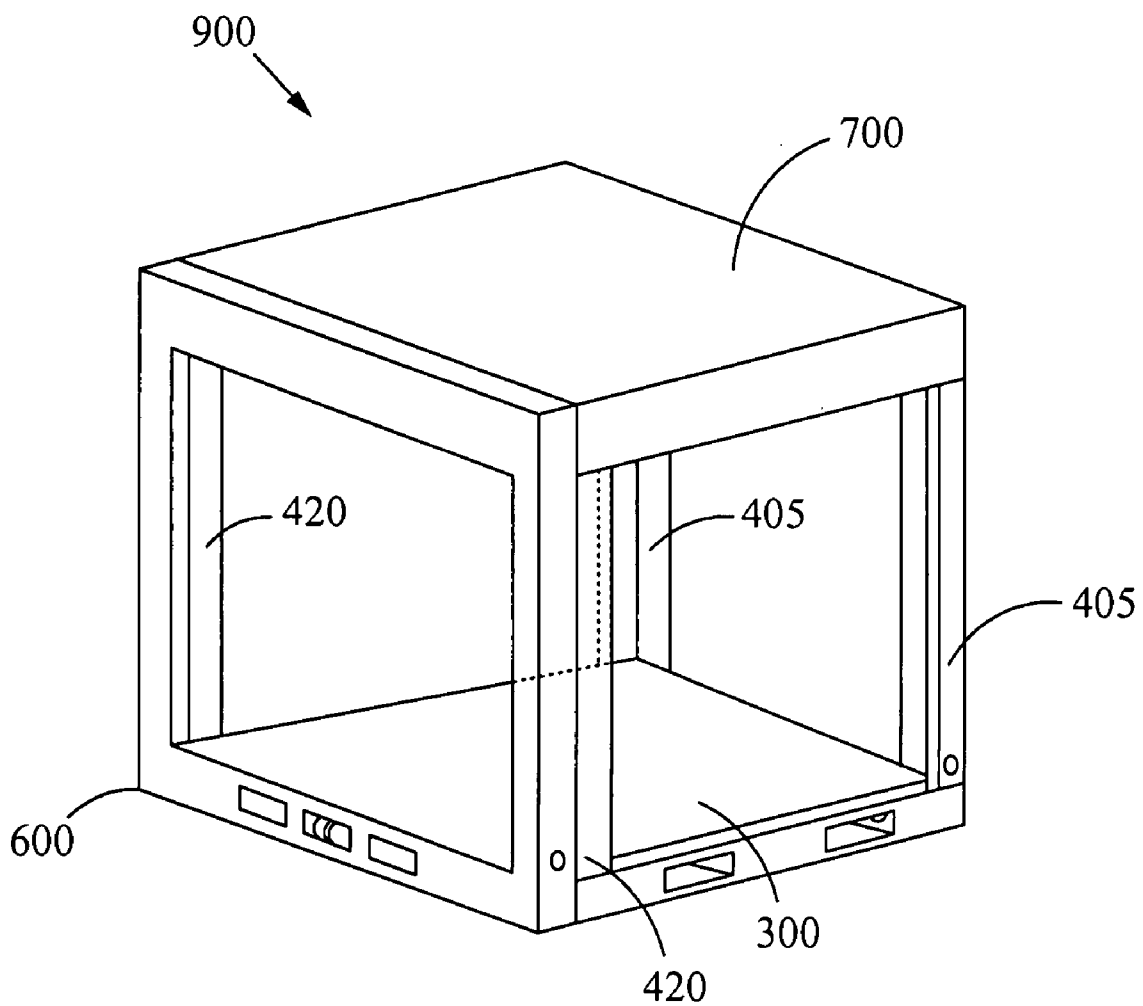


Fig. 9A

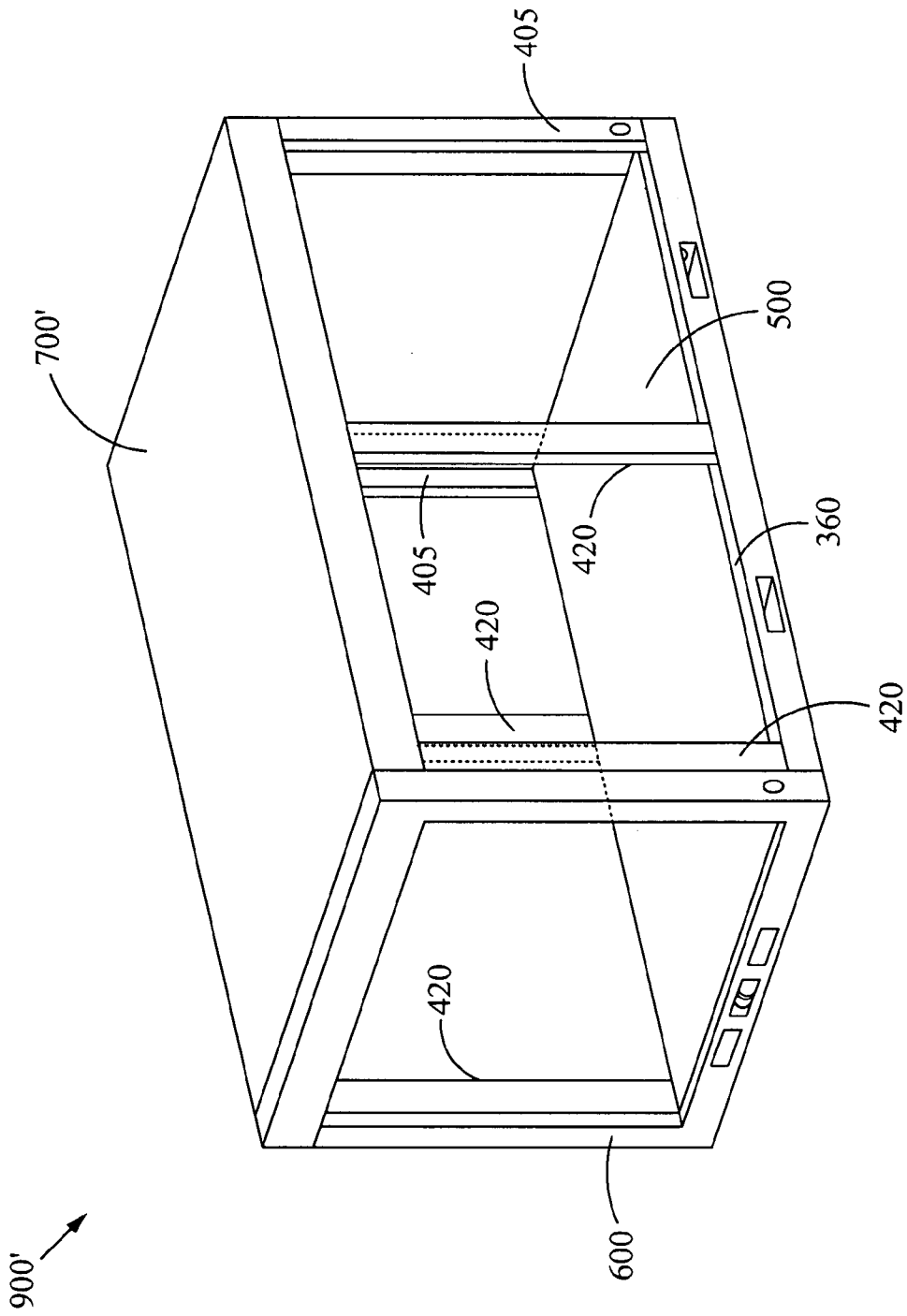


Fig. 9B

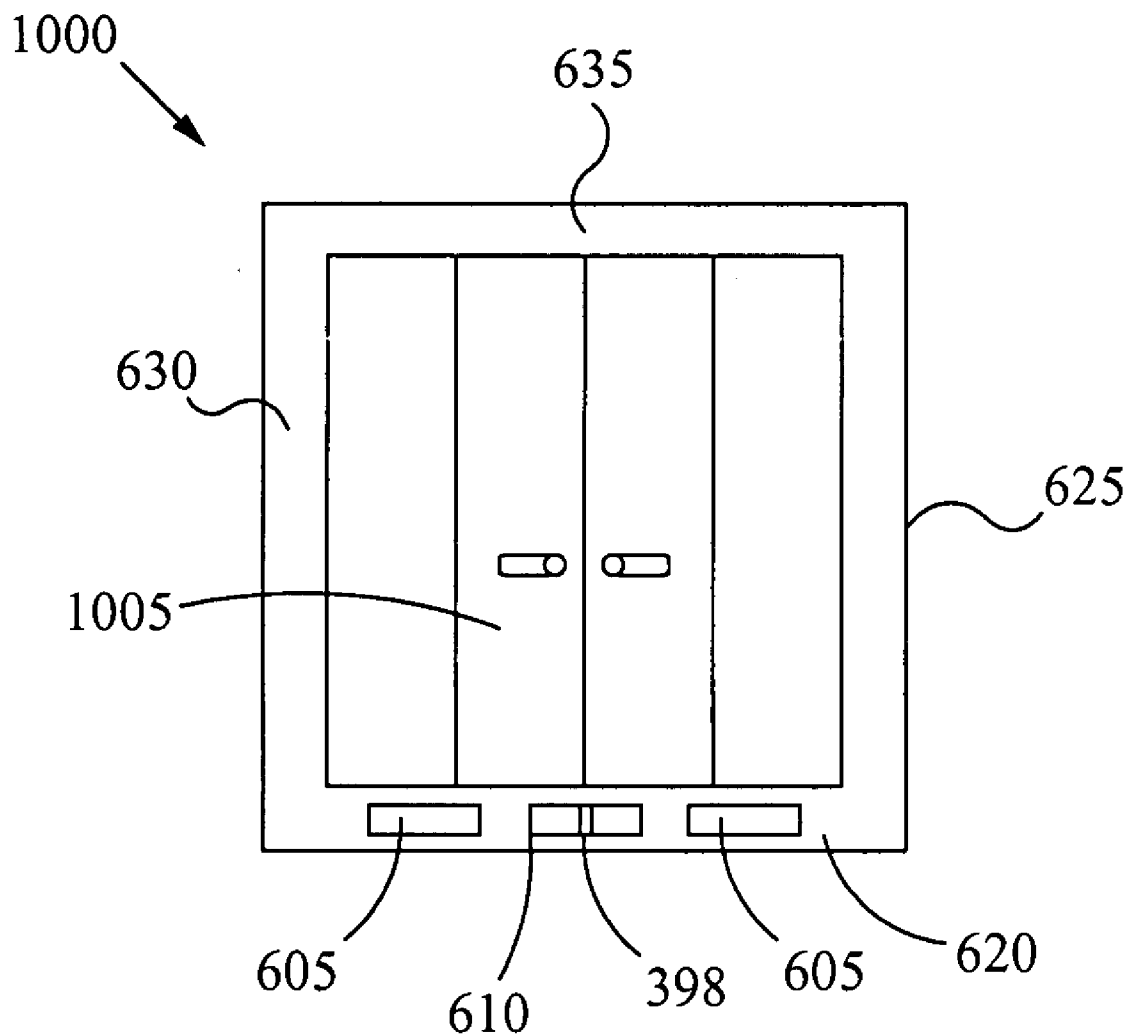


Fig. 10

PORTABLE CONTAINER FOR ASSEMBLY AT POINT OF USE

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] The application claims priority of U.S. provisional application Ser. No. 60/850,022, filed Oct. 5, 2006, and entitled "Portable Container for Assembly at Point of Use," by this same inventor. This application incorporates U.S. provisional application Ser. No. 60/850,022, in its entirety by reference.

FIELD OF THE INVENTION

[0002] The present invention relates to portable containers. More particularly, the present invention relates to the portable container for assembly at point of use.

BACKGROUND OF THE INVENTION

[0003] Portable containers are used to move and store goods. Compared to traditional storage centers, goods can be moved to a new location without requiring a user to repack since the goods are already stored within a portable container. The portable container may be stored at the user's designated location or at a storage location. However, prior art portable containers suffer from a number of shortcomings. For example, when the user requests a portable container, the portable container is shipped to the user assembled. Consequently, transportation cost for the assembled portable container is great. Due to International Organization for Standardization (ISO) regulations, the portable container may not be transportable overseas.

[0004] The present invention addresses at least these limitations in the prior art.

SUMMARY OF THE INVENTION

[0005] An objective of the present invention is to provide a portable container that is capable of assembly at a point of use. The portable container is delivered unassembled in a kit to a user.

[0006] In one aspect, a portable container assembly kit includes a plurality of components sized and adapted to assemble into a container at a point of use. Preferably, the container is suitable for at least one of storage and moving. In some embodiments, the plurality of components include a plurality of fasteners. Each of the plurality of fasteners is adapted to fasten inside the container, under the container or both. In some embodiments, the plurality of components include a base. The base has a plurality of apertures adapted to enable lifting the container. The container is configured to disassemble at the point of use.

[0007] In another aspect, a portable container assembly kit includes a platform for use as a base of a portable container. The platform has a first set of apertures on a first side, a second set of apertures on a second side, a third set of apertures on a front side, a fourth set of apertures on back side, and a first plurality of sockets on a top side. The kit also includes a plurality of posts, wherein bottom ends of the plurality of posts are sized and adapted to fit into the first plurality of sockets. In addition, the kit includes a roof frame for use as a cover of the portable container. In some embodiments, a bottom side of the roof frame has a second plurality of sockets such that top ends of the plurality of posts are sized and adapted to fit into the second plurality of

sockets. The kit also includes a plurality of panels. In some embodiments, each of the plurality of panels is sized and adapted to fit between two adjacent posts. The kit also includes a door sized and adapted to access an interior of the portable container. In addition, the kit also includes a back frame configured to prevent wracking of the portable container. The portable container is configured to disassemble at a point of use.

[0008] In some embodiments, the first set of apertures align vertically and horizontally with the second set of apertures, and the third set of apertures align vertically and horizontally with the fourth set of apertures. In other embodiments, the platform also has a first beam and a second beam for use as reinforcements, wherein the first beam is parallel to and positioned apart from the second beam. The first beam and second beam are positioned inside the platform. In some embodiments, the first beam has a plurality of holes, and the second beam has a plurality of holes.

[0009] In some embodiments, the kit also includes a plurality of fasteners, each of the plurality of fasteners is sized and adapted to fasten inside the portable container, under the portable container or both.

[0010] In yet another aspect, a portable container assembly kit includes a base of a predetermined length, wherein the base includes a plurality of sockets. In some embodiments, the predetermined length is 15'8". In other embodiments, the predetermined length is 7'10". The kit also includes a plurality of posts, each of the plurality of posts is adapted to fit into one of the plurality of sockets, a roof frame sized and adapted to maintain the plurality of posts in a substantially perpendicular position relative to the base, and a plurality of panels. Each of the plurality of panels is sized and adapted to fit upright between two adjacent posts. The kit also includes a door sized and adapted to fit upright between two adjacent posts, means for enabling lifting the portable container, and a plurality of fasteners. Each of the plurality of fasteners is sized and adapted to inside, under the portable container, or both. In some embodiments, the portable container is configured to disassemble at a point of use.

[0011] In another aspect, a portable container assembly kit is configured to allow ready assembly and disassembly of the portable container at a point of use. The portable container includes a base for use as a bottom of the portable container. In some embodiments, the base has a raised inner portion of a top surface, an outer portion of the top surface, a first L-shaped socket at a first front corner, a second L-shaped socket at a second front corner, a first side socket on a first side towards a back of the base, and a second side socket on a second side of the base towards the back of the base.

[0012] The portable container kit also includes a plurality of posts. The plurality of posts includes a first L-shaped post sized and adapted to insert in the first L-shaped socket, a second L-shaped post sized and adapted to insert in the second L-shaped socket, a first side post sized and adapted to insert in the first side socket, and a second side post sized and adapted to insert in the second side socket.

[0013] In some embodiments, the portable container kit further includes a third side post and a fourth side post. The third side post is sized and adapted to insert in a first middle socket positioned at a center of the first side. The fourth side post is sized and adapted to insert in a second middle socket

positioned at a center of the second side. In some embodiments, the third side post and the fourth side post have a plurality of slots.

[0014] The portable container kit also includes a back frame. In some embodiments, a bottom end of the back frame is sized and adapted to couple to a back surface of the base, a first side of the back frame is sized and adapted to couple to an edge of the first side post, and a second side of the back frame is sized and adapted to couple to an edge of the second side post. In other embodiments, a top of the back frame is sized and adapted to couple to a back of a roof frame. As such, the back frame is prevents wracking of the portable container.

[0015] The portable container kit also includes a roof frame sized and adapted to secure the plurality of posts to thereby assist in maintaining the plurality of posts in a substantially perpendicular position relative to the base. Preferably, the back of the roof frame is sized and adapted to couple to the top of the back frame.

[0016] Preferably, the portable container kit includes a plurality of panels. In some embodiments, each of the plurality of panels is sized and adapted to position between any two adjacent posts, rest against a portion of the raised inner top surface, and rest against an inner portion of the roof frame. In some embodiments, each of the plurality of panels is sized and adapted to couple to interior sides of the two adjacent posts. Accordingly, each of the plurality of panels is in a substantially vertical orientation upon assembly of the portable container.

[0017] The portable container kit also includes a door sized and adapted to fit between two adjacent posts. In some embodiments, the door is a rolling service door that rolls upward and is stored in a tight coil above an opening of the portable container.

[0018] Furthermore, the portable container kit also includes a plurality of fasteners. In some embodiments, each of the plurality of fasteners is adapted to fasten inside the portable container, under the portable container or both.

[0019] In some embodiments, the base has a first side surface, a second side surface, a front surface, and a back surface. In some embodiments, the base has a first set of fork apertures on the first side surface and a second set of fork apertures on the second side surface. The first set of fork apertures and the second set of fork apertures align horizontally and vertically. The fork apertures are adapted to receive forks.

[0020] In some embodiments, the base also has a first beam and a second beam for use as reinforcements, wherein the first beam is parallel to and positioned apart from the second beam, the first beam and the second beam positioned inside the base. In some embodiments, the first beam and the second beam have sets of apertures.

[0021] In other embodiments, the base has a third set of fork apertures on the front surface and a fourth set of fork apertures on the back surface. The third set of fork apertures and the fourth set of fork apertures align horizontally and vertically. Yet, in other embodiments, the base has an additional aperture with a pull bar vertically centered in the additional aperture and is attached to a top and a bottom of the additional aperture.

[0022] In some embodiments, the portable container kit also is packed in a bag, a box, stretch wrap or other packaging.

BRIEF DESCRIPTION OF THE DRAWINGS

[0023] FIG. 1A illustrates an isometric back corner view of a first embodiment of the present invention.

[0024] FIGS. 1B-1E illustrate various perspectives of the first embodiment of the present invention.

[0025] FIG. 2A illustrates an isometric back corner view of a second embodiment of the present invention.

[0026] FIGS. 2B-2E illustrate various perspectives of the second embodiment of the present invention.

[0027] FIG. 3A illustrates an isometric back corner view of a base of the first embodiment of the present invention.

[0028] FIG. 3B illustrates an isometric front corner view of the base of the first embodiment of the present invention.

[0029] FIG. 3C illustrates a transparent isometric back corner view of the base of the present invention.

[0030] FIG. 4 illustrates posts of the present invention.

[0031] FIG. 5A illustrates an isometric back corner view of a base of the second embodiment of the present invention.

[0032] FIG. 5B illustrates an isometric front corner view of the base of the second embodiment of the present invention.

[0033] FIG. 6 illustrates a back frame of the present invention.

[0034] FIG. 7 illustrates an isometric front corner view of a roof frame of the present invention.

[0035] FIGS. 8A-8B illustrate a panel of the present invention.

[0036] FIG. 9A illustrates an isometric back corner view of a skeleton of the first embodiment of the present invention.

[0037] FIG. 9B illustrates an isometric back corner view of a skeleton of the second embodiment of the present invention.

[0038] FIG. 10 illustrates a back view of another embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0039] In the following description, numerous details are set forth for purposes of explanation. However, one of ordinary skill in the art will realize that the invention may be practiced without the use of these specific details. Thus, the present invention is not intended to be limited to the embodiments shown but is to be accorded the widest scope consistent with the principles and features described herein.

[0040] Embodiments of the present invention are directed to a portable container that can be readily and quickly assembled from individual components at a point of use, such as at a user's home or a warehouse. The individual components are delivered to the user in a kit. The kit is packed in a bag, a box, stretch wrap or other packaging. Alternatively, some components of multiple units are shipped in a single packaging.

[0041] The portable container is available in various sizes. Two exemplary sizes include dimensions 15'8" L×90" W×96" H and 7'10" L×90" W×96" H. FIGS. 1A-1E illustrate various views of an assembled 7'10" long portable container 100. FIGS. 2A-2E illustrate various views of an assembled 15'8" long portable container 200. Specifically, FIG. 1A

illustrates an isometric back corner view of the assembled 7'10" long portable container 100, and FIGS. 1B-1D illustrate a back perspective, a front perspective, a first side perspective, and a second side perspective of the assembled 7'10" long portable container 100, respectively. FIG. 2A illustrates an isometric back corner view of the assembled 15'8" long portable container 200, and FIGS. 1B-1D illustrate a back perspective, a front perspective, a first side perspective, and a second side perspective of the assembled 15'8" long portable container 200, respectively.

[0042] Assembly of the 7'10" long portable container 100 will be illustrated for purposes of discussion. Assembly of the 15'8" long portable container 200 involves additional steps and components relative to the assembly of the 7'10" long portable container 100. These additional steps and components will be brought to attention in detail below. It is understood that the following discussion related to the portable containers of FIGS. 1A-1E and FIGS. 2A-2E can be applied to portable containers of alternative dimensions.

[0043] Assembly of the portable container 100 can begin by placing a base 300 directly on a floor or on attachable legs or attachable wheels such that the base 300 is off the floor during assembly. FIG. 3A illustrates an isometric back corner view of the base 300. FIG. 3B illustrates an isometric front corner view of the base 300. As illustrated in FIGS. 3A-3B, the base 300 is a platform having a raised inner top surface 305, an outer top surface 310, a first side surface 315, a second side surface 320, a front surface 325, and a back surface 330. The outer top surface 310 is a perimeter surrounding three sides of the raised inner top surface 305. In some embodiments, the outer top surface 310 surrounds a first side, a front, and a second side of the raised inner top surface 305. While the base 300 is used as a bottom foundation of the portable container 100, the raised inner top surface 305 is a usable floor space of the portable container 100. In some embodiments, the base 300 is hollow.

[0044] Preferably, the outer top surface 310 of the portable container 100 has a first L-shaped socket 335 located at a first front corner, a second L-shaped socket 340 located at a second front corner, a first side socket 345 located on the first side towards the back, and a second side socket 350 on the second side located towards the back. The first L-shaped socket 335 and the first side socket 345 are illustrated in FIG. 3A. The second L-shaped socket 340 and the second side socket 350 are illustrated in FIG. 3B.

[0045] Preferably, the first side surface 315 of the base 300 has a first set of fork apertures 370 as illustrated in FIG. 3A, and the second side surface 320 has a second set of fork apertures 375 as illustrated in FIG. 3B. The first set and second set of fork apertures 370, 375 are adapted to receive forks. In some embodiments, the first set of fork apertures 370 and the second set of fork apertures 375 align horizontally and vertically. As such, the first side surface 315 is a mirror image of the second side surface 320.

[0046] In some embodiments, supporting beams 380, 385 are positioned inside the base 300 as re-enforcements. Each of the supporting beams 380, 385 is a hollowed support structure. In some embodiments, each of the supporting beams 380, 385 comprises two vertical parallel plates welded inside the base 300 that creates a channel from one side of the base 300 to another side of the base 300. FIG. 3C illustrates a transparent isometric back corner view of the base 300. As FIG. 3C illustrates, a first end of a first supporting beam 380 couples a first of the first set of fork

apertures 370, and a second end of the first supporting beam 380 couples a first of the second set of fork apertures 375. A first end of a second supporting beam 385 couples a second of the first set of the fork apertures 370, and a second end of the second supporting beam 385 couples a second of the second set of fork apertures 375. The first and second supporting beams 380, 385 provide strength, durability, re-enforcement for the base 300, and create fork channels for use with fork lifts and other lifting and transporting devices. It should be understood that the configuration of the supporting beams 380, 385 is exemplary only and does not serve to limit the type, size, shape, or configuration of supporting beams.

[0047] In some embodiments, the supporting beams 380, 385 have a plurality of holes 383 on sides of the supporting beams 380, 385. The plurality of holes 383 are used to lift, strap or tie down the portable container using chains, ropes, straps, belts or other securing devices.

[0048] In some embodiments, the base 300 further has a third set of fork apertures 390 on the front surface 325 of the base 300 as illustrated in FIG. 3B, and a fourth set of fork apertures 395 on the back surface 330 of the base 300 as illustrated in FIG. 3A. The third set and fourth set of fork apertures 390, 395 are adapted to receive forks. Similar to the alignment of the first set and second set of fork apertures 370, 375, the third set of fork apertures 390 and the fourth set of fork apertures 395 align horizontally and vertically. In addition, referring to FIG. 3C, the first and second supporting beams 380, 385 have sets of apertures which align horizontally and vertically with the third set and the fourth set of fork apertures 390, 395, such that forks of a fork lift or another lifting or transporting device can be introduced into the base 300 through the third set and the fourth apertures 390, 395 and the apertures on the first and second supporting beams 380, 385.

[0049] In other embodiments, the base 300 has additional apertures. For example, a middle aperture 396 can be centered between apertures of the third set of fork apertures 390 on the front surface 325 of the base 300, as illustrated in FIG. 3B. A front pull bar 397 is vertically centered in the middle aperture 396 and is attached to the front surface 325 on a top and a bottom of the middle aperture 396. The front pull bar 397 can be used to pull the assembled portable container 100. Yet in other embodiments, the base 300 has additional pull bars to pull the assembled portable container 100. For example, a back pull bar 398 is attached between the fourth set of fork apertures 395 on the back surface 330 of the base 300. In some embodiments, the back pull bar 398 is an eyelet.

[0050] During assembly of the portable container 100, a plurality of posts included in the kit are adapted to insert into the above-mentioned sockets 335, 340, 345, 350. In some embodiments, opposing ends of each of the plurality of posts have extension portions protracting therefrom. As illustrated in FIG. 4, the plurality of posts include a plurality of L-shaped posts 405 and a plurality of side posts 420. The plurality of L-shaped posts 405 include a first L-shaped post and a second L-shaped post. The first L-shaped post is a mirror image of the second L-shaped post. The plurality of side posts 420 include a first side post and a second side post. The first side post is a mirror image of the second side post. A bottom extension portion 410 of the first L-shaped post is adapted to insert into the first L-shaped socket 335. Likewise, a bottom extension portion 410 of the second L-shaped

post is adapted to insert into the second L-shaped socket **340**. A bottom extension portion **425** of the first side post is adapted to insert into the first side socket **345**. Likewise, a bottom extension portion **425** of the second side post is adapted to insert into the second side socket **350**. In some embodiments, a side of each of the plurality of L-shaped posts **405** has a hole **430** located near the bottom extension portion **410**. The hole **430** is for securing or lifting the assembled portable container **100** using ropes, chains, belts or other securing devices.

[0051] According to another embodiment of the invention, a base of the 15'8" long portable container **200** is illustrated in FIGS. 5A-5B. FIG. 5A illustrates an isometric back corner view of the base **500**. FIG. 5B illustrates an isometric front corner view of the base **500**. A base **500** is similarly configured as the base **300** described above except that the base **500** has two additional sockets. The two additional sockets are located on the outer top surface **310** of the portable container **200**: a first middle socket **505** located at a center of the first side as illustrated in FIG. 5A, and a second middle socket **510** located at a center of the second side as illustrated in FIG. 5B. As such, two additional side posts **420**, a third side post and a fourth side post, are included in the kit and are configured to insert into the two additional middle sockets **505**, **510**. In some embodiments, a bottom extension portion **425** of the third side post is adapted to insert into the first middle socket **505**. Likewise, a bottom extension portion **425** of the fourth side post is adapted to insert into the second middle socket **510**. In other embodiments, the first middle socket **505** and the second middle socket **510** are positioned between the first set of fork apertures **370** and the second set of fork apertures **375**, respectively. In some embodiments, the third and fourth side posts are adapted to be universal, e.g. interchangeable. In other embodiments, interior sides of the third and fourth side posts accommodate various securement mechanisms for shelving and cargo control.

[0052] Preferably, a back frame **600**, as illustrated in FIG. 6, is provided in the kit. Two fork apertures **605** and a third aperture **610** centered between the two fork apertures **605** are spatially positioned on a bottom **620** of the back frame **600**. The bottom **620** of the back frame **600** attaches to the back surface **330** of the base **300**, such that the two fork apertures **605** align with the fourth set of fork apertures **395** on the back surface **330** of the base **300**. The back pull bar **398** on the back surface **330** of the base **300** is vertically centered in the third aperture **610**, such that the back pull bar **398** can be used for pulling the assembled portable container. A first side **625** of the back frame **600** couples to an edge of the first side post vertically positioned in the first side socket **345**. A second side **630** of the back frame **600** couples to an edge of the second side post vertically positioned in the second side socket **350**. A top **635** of the back frame **600** attaches to a back of a roof frame **700**. Accordingly, the back frame **600** is maintained in a substantially vertical orientation. The back frame **600** also provides side to side integrity of the back of the portable container **100**, **200** and prevents wracking of the back of the portable container **100**, **200**.

[0053] In some embodiments, the back frame **600** has a panel **615** attached to a bottom of the top **635** of the back frame **600**. The panel **615** is adapted to hide a rolled up

rolling service door. The panel **615** also adapted to limit or prevent air from getting inside from a top of the assembled portable container **100**, **200**.

[0054] A roof frame **700**, as illustrated in FIG. 7, is preferably included in the kit. A bottom of the roof frame **700** have sockets. In some embodiments, a bottom of a first side **705** of the roof frame **700**, a bottom of a second side **710** of the roof frame **700**, and a bottom of a front **715** of the roof frame **700** have corresponding sockets (not illustrated) for top extensions **415**, **430** of the vertically positioned posts to fit into. The roof frame **700** is placed such that the top extensions **415**, **430** of the vertically positioned posts are configured within the corresponding sockets of the roof frame **700**. In some embodiments, a back **720** of the roof frame **700** couples to the top **635** of the back frame **600**. The roof frame **700** secures and maintains the plurality of posts in a substantially perpendicular relation with the base **300**.

[0055] FIG. 9A illustrates a skeleton **900** of the assembled portable container having a 7'10" length base. FIG. 9B illustrates a skeleton **900'** of the assembled portable container having a 15'8" length base. Referring to FIG. 9A, the base **300**, the plurality of posts **405**, **420**, the back frame **600** and the roof frame **700** form the skeleton **900** of the portable container **100**. Referring to FIG. 9B, the base **500**, the plurality of posts **405**, **420**, the back frame **600** and a roof frame **700'** form the skeleton **900'** of the portable container **200**. The roof frame **700'** is similarly configured as the roof frame **700** but has two additional sockets for the third side post and the fourth side post to fit into.

[0056] A plurality of panels included in the kit couple to the skeleton **900**, **900'** to form a front side, a first side, and a second side of the portable container **100**, **200**. A panel is not coupled to a back side, thereby forming an opening to the assembled portable container **100**, **200**. Preferably, each of the plurality of panels is adapted to position between and rest against any two adjacent posts, rest against a portion of the raised inner top surface **305**, and rest against an inner portion of the roof frame **700**. Each of the plurality of panels is in a substantially vertical orientation upon assembly of the portable container **100**, **200**. In some embodiments, the plurality of panels are universal, e.g. interchangeable.

[0057] FIGS. 8A-8B illustrate a panel **800**. Specifically, FIG. 8A illustrates an exterior view of the panel **800**, and FIG. 8B illustrates an interior view of the panel **800**. An interior side of each of the plurality of panels **800** is configured to accommodate various securement mechanisms for shelving and cargo control by using top hat stiffeners **805**, tie down rods **810**, and strap bucket slots **815**. For example, as illustrated in FIG. 8B, three top hat stiffeners **805** are vertically and spatially positioned on each of the plurality of panels **800**. Three tie down rods **810** are horizontally and spatially positioned through the three top hat stiffeners **805**. The securement mechanisms are configured to maximize usable space inside the portable container without interfering with valuable floor space. Other securement mechanisms on the interior side of each of the plurality of panels **800** are possible. Likewise, securement mechanisms are possible on a portion of an interior of the portable container **100**, **200**.

[0058] In some embodiments, the plurality of panels are screw-on panels. In other embodiments, the plurality of panels are rivet-on panels. A plurality of fasteners are included in the kit. The plurality of fasteners include bolts, nuts, screws, rivets and other means of securing one element

to another. In some embodiments, the plurality of fasteners are inside the portable container **100, 200** and can be under the portable container **100, 200** for security purposes.

[0059] The portable container kit also includes a door. The door covers the opening of the portable container **100, 200**. The door is positioned adjacent the back frame **600**. Preferably, the door is a rolling service door. Typically, the rolling service door rolls upward and is stored in a tight coil above the opening of the portable container. Alternatively, the door is a swinging door or a pair of swinging doors. FIG. **10** illustrates a back view **1000** of the portable container **100, 200** with the pair of swinging doors **1005**.

[0060] After assembly, the portable container can be used as an onsite storage, a portable storage, or transportation. In some embodiments, the assembled container is configured for quick disassembly. The assembled portable container is also configured to be transportable via roll off trucks and trailers, flatbed trucks and trailers, and standard freight vans. In some embodiments, the assembled portable container is a subcontainer for long distance transportation, including cross country via rail containers or overseas via ISO high cube sea containers.

[0061] The assembled portable container works with roll offs, lift gates, shipping glides with bumpers, attachable wheels and attachable legs. The assembled portable container preferably has a means for enabling lifting the assembled portable container. As discussed above, the assembled portable container has fork apertures on all sides of the base. As such, forklifts and other lift devices can be used to lift the assembled portable container via the fork apertures. Various other devices for lifting the assembled portable container include but are not limited to using slings and cranes.

[0062] Preferably, the portable container is fabricated from steel. As such, the portable container's all steel design provides a durable long-lived unit that is weatherproof, pest-proof, tamper-proof, and easily cleaned. Furthermore, a frame and post skeleton affords a three-high stackability.

[0063] The present invention has been described in terms of specific embodiments incorporating details to facilitate the understanding of principles of construction and operation of the invention. Such reference herein to specific embodiments and details thereof is not intended to limit the scope of the claims appended hereto. A person skilled in the art would appreciate that various modifications and revisions to the portable container for assembly at point of use will occur. Consequently, the claims should be broadly construed, consistent with the spirit and scope of the invention, and should not be limited to their exact, literal meaning.

I claim:

1. A ready to assemble portable container kit comprising a plurality of components sized and adapted to assemble into a container at a point of use, the container is suitable for at least one of storage and moving.

2. The kit of claim **1**, wherein the plurality of components include a plurality of fasteners, each of the plurality of fasteners adapted to fasten at least one of inside the container and under the container.

3. The kit of claim **1**, wherein the plurality of components include a base, wherein the base comprises a plurality of apertures.

4. The kit of claim **3**, wherein the plurality of apertures are adapted to enable lifting of the container.

5. The kit of claim **1**, wherein the container is configured to disassemble at the point of use.

6. A ready to assemble portable container kit, comprising:

a. a platform for use as a base of a portable container, the platform having a first set of apertures on a first side, a second set of apertures on a second side, a third set of apertures on a front side, a fourth set of apertures on back side, and a first plurality of sockets on a top side;

b. a plurality of posts, wherein bottom ends of the plurality of posts are sized and adapted to fit into the first plurality of sockets;

c. a roof frame for use as a cover of the portable container, a bottom side of the roof frame having a second plurality of sockets, wherein top ends of the plurality of posts are sized and adapted to fit into the second plurality of sockets;

d. a plurality of panels, each of the plurality of panels is sized and adapted to fit between two adjacent posts; and

e. a door sized and adapted to access an interior of the portable container.

7. The kit of claim **6**, wherein the first set of apertures align vertically and horizontally with the second set of apertures, and the third set of apertures align vertically and horizontally with the fourth set of apertures.

8. The kit of claim **7**, further comprising a first beam and a second beam for use as reinforcements, wherein the first beam is parallel to and positioned apart from the second beam, the first beam and second beam positioned inside the platform.

9. The kit of claim **8**, wherein the first beam and the second beam comprise a plurality of holes.

10. The kit of claim **6**, further comprising a back frame configured to prevent wracking of the portable container.

11. The kit of claim **6**, further comprising a plurality of fasteners, each of the plurality of fasteners is sized and adapted to fasten at least one of inside the container and under the container.

12. A kit for assembling a portable container at a point of use, comprising:

a. a base of a predetermined length, wherein the base includes a plurality of sockets;

b. a plurality of posts, each of the plurality of posts sized and adapted to fit into one of the plurality of sockets;

c. a roof frame sized and adapted to maintain the plurality of posts in a substantially perpendicular position relative to the base;

d. a plurality of panels, each of the plurality of panels sized and adapted to fit upright between two adjacent posts;

e. a door sized and adapted to fit upright between two adjacent posts;

f. a plurality of fasteners, each of the plurality of fasteners sized and adapted to fasten at least one of inside the portable container and under the portable container; and

g. means for enabling lifting the portable container, wherein the portable container is configured to disassemble at the point of use.

13. The kit of claim **12**, wherein the predetermined length is 15'8".

14. The kit of claim **12**, wherein the predetermined length is 7'10".

15. A kit for a portable container, the kit configured to allow ready assembly and disassembly of the portable container at a point of use, comprising:

- a. a base for use as a bottom of the portable container, the base comprising a raised inner portion of a top surface, an outer portion of the top surface, a first L-shaped socket at a first front corner, a second L-shaped socket at a second front corner, a first side socket on a first side towards a back of the base, and a second side socket on a second side of the base towards the back of the base;
- b. a plurality of posts comprising:
 - i. a first L-shaped post sized and adapted to insert in the first L-shaped socket;
 - ii. a second L-shaped post sized and adapted to insert in the second L-shaped socket;
 - iii. a first side post sized and adapted to insert in the first side socket; and
 - iv. a second side post sized and adapted to insert in the second side socket;
- c. a back frame, a bottom end of the back frame sized and adapted to couple to a back surface of the base, a first side of the back frame sized and adapted to couple to an edge of the first side post, and a second side of the back frame sized and adapted to couple to an edge of the second side post, thereby preventing wracking of the portable container;
- d. a roof frame sized and adapted to secure the plurality of posts to thereby assist in maintaining the plurality of posts in a substantially perpendicular position relative to the base;
- e. a plurality of panels, each of the plurality of panels sized and adapted to position between any two adjacent posts, rest against a portion of the raised inner top surface, and rest against an inner portion of the roof frame, thereby maintaining each of the plurality of panels in a substantially vertical orientation upon assembly of the portable container;
- f. a door sized and adapted to fit between two adjacent posts; and
- g. a plurality of fasteners, each of the plurality of fasteners adapted to fasten at least one of inside the portable container and under the portable container.

16. The kit of claim 15, wherein the plurality of posts further comprising:

- a. a third side post sized and adapted to insert in a first middle socket, the first middle socket positioned at a center of the first side; and
- b. a fourth side post sized and adapted to insert in a second middle socket, the second middle socket positioned at a center of the second side.

17. The kit of claim 19, wherein the third side post and the fourth side post comprise a plurality of slots.

18. The kit of claim 15, wherein the door is a rolling service door, the rolling service door rolls upward and is stored in a tight coil above an opening of the portable container.

19. The kit of claim 15, wherein the base further comprising a first side surface, a second side surface, a front surface, and a back surface.

20. The kit of claim 19, further comprising a first set of fork apertures on the first side surface and a second set of fork apertures on the second side surface, wherein the first set of fork apertures and the second set of fork apertures align horizontally and vertically.

21. The kit of claim 20, further comprising a first beam and a second beam for use as reinforcements, wherein the first beam is parallel to and positioned apart from the second beam, the first beam and second beam positioned inside the base.

22. The kit of claim 21, wherein the first beam and the second beam comprise sets of apertures.

23. The kit of claim 19, further comprising a third set of fork apertures on the front surface and a fourth set of fork apertures on the back surface, wherein the third set of fork apertures and the fourth set of fork apertures align horizontally and vertically.

24. The kit of claim 19, further comprising an additional aperture with a pull bar vertically centered in the additional aperture and is attached to a top and a bottom of the additional aperture.

25. The kit of claim 15, wherein the kit is packed in a bag, a box, stretch wrap, or other packaging.

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