

CONTAINER

1. Field of the Invention

The present invention relates to a container, and more particularly to a container which can be assembled easily.

2. Description of Related Art

With reference to Fig. 10, 10A, a conventional container comprises a body 81 and a lid 82 detachably mounted on the body 81. The body 81 and the lid 82 are made of plastic, and may be manufactured by a vacuum forming machine or a pressure forming machine. When the conventional container is made by the vacuum forming machine, a plastic plate is placed on a mold and heated. The mold is in a vacuum state, and the heated plastic is sucked on the mold and is formed into a shape matching the mold. When the conventional container is made by the pressure forming machine, a plastic is heated and blown on a mold to form a shape matching the mold.

Whatever machine the conventional container is made by, the conventional container comprises the individual body 81 and the individual lid 82. The body 81 and the lid 82 need to be manufactured individually. In use, after fruit is placed in the conventional container, a user needs to put the individual lid 82 on the body 81 to cover the body 81, and it is inconvenient for assembling the conventional container.

The main objective of the present invention is to provide a container to overcome the afore-mentioned problems.

The container is integral, and comprises a body, two handles, a handle combination structure, a folding combination structure, and two lids.

The body comprises a body space formed in the body.

The handles are connected with the body, and connecting portions between the handles and the body are bendable.

The handle combination structure is formed on the handles to selectively combine the handles.

The folding combination structure is formed on the handles and the connecting plates to selectively combine the handles and the body.

The lids are connected with the body, are respectively located in spaces which are respectively formed in the body and the handles, and connecting portions between the body and the lids are bendable.

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

IN THE DRAWINGS

Fig. 1 is a perspective view of a first preferred embodiment of a container in accordance with the present invention;

Fig. 2 is a top view of the container in Fig. 1;

Figs. 3 and 4 are operational views of the container in Fig. 1;

Fig. 5 is an enlarged cross sectional side view of the container in Fig. 1;

Fig. 6 is a perspective view of a second preferred embodiment of the container in accordance with the present invention;

Fig. 7 is a top view of the container in Fig. 6;

Figs. 8 and 9 are operational views of the container in Fig. 6;

Fig. 10, 10A is an exploded perspective view of a conventional

container.

With reference to Figs. 1 and 2, a first preferred embodiment of a container in accordance with the present invention is formed as an integral form and comprises a body 10, 10A, two handles 20, 20A, and two lids 30, 30A.

The body 10, 10A comprises a body space 11 formed in the body 10, 10A and comprising multiple positioning recesses 12. Preferably, four positioning recesses 12 are implemented to be disposed symmetrically in the body space 11.

The handles 20, 20A are connected with the body 10, 10A, and the connecting portions between the handles 20, 20A and the body 10, 10A are bendable. Preferably, the body 10, 10A further comprises two connecting plates 13 formed on two opposite sides of the body 10, 10A. The handles 20, 20A are U-shaped, and one of the handles 20, 20A is connected with two right ends of the two connecting plates 13, and the other handle 20, 20A is connected with two left ends of the two connecting plates 13.

A handle combination structure is formed on the handles 20, 20A, such that the handles 20, 20A can be combined with each other by the handle combination structure. Preferably, the handle combination structure comprises two handle protrusions 41 formed on one of the handles 20, 20A, and two handle troughs 42 formed in the other handle 20, 20A. The handle protrusions 41 and the handle troughs 42 can be combined with each other respectively and selectively. As a result, after the handles 20, 20A are bended relative to the body 10, 10A, the handle protrusions 41 and the handle troughs 42 can be combined with each other respectively to form a usage state of the container of the present

invention.

A folding combination structure is formed on the handles 20, 20A and the connecting plates 13. Preferably, the folding combination structure comprises two first plate combinational portions 51A, two second plate combinational portions 51B, two first handle combinational portions 52A, and two second handle combinational portions 52B. The first plate combinational portions 51A are respectively formed on the right ends of the two connecting plates 13. The second plate combinational portions 51B are respectively formed on the left ends of the two connecting plates 13. The first handle combinational portions 52A are formed on the handle 20, 20A that is adjacent to the second plate combinational portions 51B. The second handle combinational portions 52B are formed on the handle 20, 20A that is adjacent to the first plate combinational portions 51A. The first handle combinational portions 52A and the first plate combinational portions 51A are disposed equidistantly relative to the connecting portions which connect the connecting plates 13 and the handle 20, 20A on which the first handle combinational portions 52A are formed. The second handle combinational portions 52B and the second plate combinational portions 51B are disposed equidistantly relative to the connecting portions which connect the connecting plates 13 and the handle 20, 20A on which the second handle combinational portions 52B are formed. The first handle combinational portions 52A are selectively and respectively combined with the first plate combinational portions 51A. The second plate combinational portions 51B are selectively and respectively combined with the second handle combinational portions 52B. As a result, after the handles 20, 20A are bended relative to the

body 10, 10A, the first handle combinational portions 52A can be combined with the first plate combinational portions 51A, and the second handle combinational portions 52B can be combined with the second plate combinational portions 51B to form a folded usage state of the container of the present invention.

The lids 30, 30A are connected with the body 10, 10A, and connecting portions between the body 10, 10A and the lids 30, 30A are bendable. The lids 30, 30A are respectively located in spaces which are respectively formed between the body 10, 10A and the handles 20, 20A.

A lid combination structure is formed on the lids 30, 30A and the body 10, 10A. Preferably, the lid combination structure comprises an engaging portion 61 recessed in the body 10, 10A and located at a top of the body 10, 10A to form a top opening of the body 10, 10A, and two engaging flanges 62 are respectively formed on the lids 30, 30A. The engaging flanges 62 are selectively combined with the engaging portion 61.

In use, with reference to Fig. 3, the body 10, 10A is applied for containing fruit, especially apples, pears, or persimmons as shown in Fig. 3. The positioning recesses 12 are applied for positioning the fruit to keep the fruits from colliding with each other. The lids 30, 30A are bended inwardly relative to the body 10, 10A, and are combined with the body 10, 10A by the lid combination structure. As a result, the lids 30, 30A can cover the body 10, 10A. Then, the handles 20, 20A are bended inwardly relative to the body 10, 10A, and are combined with each other by the handle combination structure. Therefore, a user can hold the handles 20, 20A to carry the container in which the fruit is placed.

Alternatively, with reference to Figs. 4 and 5, after the fruit is held in the body 10, 10A and the lids 30, 30A cover the body 10, 10A, the handles 20, 20A can be passed over the body 10, 10A. One of the handles 20, 20A is passed above the body 10, 10A to combine with the body 10, 10A by the folding combination structure, and the other handle is passed below the body 10, 10A to combine with the body 10, 10A by the folding combination structure. Therefore, the container is formed in the folded usage state to decrease a volume of the container for ease in stacking and storage.

A second preferred embodiment of the container is shown in Figs. 6 and 7. The body 10, 10AA is formed as a jar. The positioning recesses are omitted, so the body 10, 10AA is suitable for placing fruit which has small volume, especially small tomatoes, grapes or strawberries. Shapes of the handles 20, 20AA and the lids 30, 30AA are also different from those of the first preferred embodiment of the container, but the method of using the container is the same.

With reference to Fig. 8 after the fruit is contained in the body 10, 10AA and the lids 30, 30AA covers the body 10, 10AA, the handles 20, 20AA are bended inwardly relative to the body 10, 10AA and combined with each other by the handle combination structure to form the usage state of the container.

With reference to Fig. 9, after food is placed in the body 10, 10AA and the lids 30, 30AA cover the body 10, 10A, the handles 20, 20AA can be passed over the body 10, 10AA to form the folded usage state of the container.

From the above description, it is noted that the present invention has the following advantages: the container is integral, and comprises the handles 20, 20A and the lids 30, 30A which are directly connected with the body 10, 10A.

When the container is manufactured, the handles 20, 20A and the lids 30, 30A need not be manufactured individually. In use, the lids 30, 30A can be bended inwardly to cover the body 10, 10A. The handles 20, 20A can be bended inwardly to form a handle structure to be carried easily. Alternatively, the handles 20, 20A can be folded relative to the body 10, 10A by the folding combination structure for ease in stacking and storage.

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, and 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.

CLAIM(S)

1. A container formed as an integral form, and comprising:
 - a body (10, 10A) comprising a body space (11) formed in the body (10, 10A);
 - two handles (20, 20A) connected with the body (10, 10A), and connecting portions between the handles (20, 20A) and the body (10, 10A) being bendable;
 - a handle combination structure formed on the handles (20, 20A) to selectively combine the handles (20, 20A) with each other;
 - a folding combination structure formed on the handles (20, 20A) and the body (10, 10A) to selectively combine the handles (20, 20A) and the body (10, 10A); and
 - two lids (30, 30A) connected with the body (10, 10A), respectively located in spaces which are respectively formed between the body (10, 10A) and the handles (20, 20A), and connecting portions between the body (10, 10A) and the lids (30, 30A) being bendable.
2. The container as claimed in claim 1, wherein the body (10, 10A) further comprises two connecting plates (13), and the handles (20, 20A) are connected with the connecting plates (13), and the folding combination structure is formed on the connecting plates (13) and the handles (20, 20A).
3. The container as claimed in claim 2, wherein the folding combination structure comprises
 - two first plate combinational portions (51A) respectively formed on two right ends of the two connecting plates (13);

two second plate combinational portions (51B) respectively formed on two left ends of the two connecting plates (13);

two first handle combinational portions (52A) formed on the handle (20, 20A) that is adjacent to the second plate combinational portions (51B), wherein

the first handle combinational portions (52A) and the first plate combinational portions (51A) are disposed equidistantly relative to connecting portions which connect the connecting plates (13) and the handle (20, 20A) on which the first handle combinational portions (52A) are formed; and

the first handle combinational portions (52A) are selectively and respectively combined with the first plate combinational portions (51A);

two second handle combinational portions (52B) formed on the handle (20, 20A) that is adjacent to the first plate combinational portions (51A), wherein

the second handle combinational portions (52B) and the second plate combinational portions (51B) are disposed equidistantly relative to connecting portions which connect the connecting plates (13) and the handle (20, 20A) on which the second handle combinational portions (52B) are formed; and

the second plate combinational portions (51B) are selectively and respectively combined with the second handle combinational portions (52B).

4. The container as claimed in claim 1, wherein the handle combination structure comprises

two handle protrusions (41) formed on one of the handles (20, 20A); and

two handle troughs (42) formed in the other handle (20, 20A), and the handle protrusions (41) and the handle troughs (42) combined with each other

respectively and selectively.

5. The container as claimed in any one of claims 1 to 4, wherein a lid combination structure is formed on the lids (30, 30A) and the body (10, 10A) to selectively combine the lids (30, 30A) and the body (10, 10A).