

IMPROVEMENT STRUCTURE OF CARRYING CONTAINER

FIELD OF THE INVENTION

The present invention relates to a carrying container, and more particularly to an improvement structure of a carrying container for the convenience of carrying a cup body, which achieves highly environmental protection and economic effect in use.

BACKGROUND OF THE INVENTION

The food service industry is well developed nowadays. Most food service industries, especially breakfast stores, beverage stores or fast food restaurants, offer takeout food service in order to match with the compact pace of modern life. Such takeout food and beverage business is often accompanied by selling cold or hot drinks. Generally, a takeout beverage is contained in a cup body. As shown in FIG. 1, a cup body 90 that contains a beverage is carried by a plastic bag 92. The plastic bag 92 is provided with a handle 94 for a hand to carry it. Such use of the plastic bag 92 to carry the beverage cup body 90 is convenient in carrying a beverage, but the cup body 90 often tilts or falls over within the plastic bag 92 or even to make the beverage to leak out during carrying a beverage because the volume of the plastic bag 92 is usually greater than the size of the cup body 90. This not only causes the waste of the beverage,

reducing the amount of the beverage, but also the leaked beverage will stain the exterior of the cup body 90. When the buyer takes out the cup body 90 to drink, the hand will be stained by the beverage. It is very troublesome, and even spoils a pleasant drinking mood. Therefore, the use of a plastic bag 92 to carry a beverage cup body 90 is obviously not ideal. Furthermore, due to environmental factors, decrease in the amount of plastic materials used is present trend of human consciousness, so the use of a huge plastic bag 92 to carry a cup body 90 is not consistent with environmental requirements. Moreover, because of large selling volume of the takeout beverage business, the amount of plastic bags used is also very large so that plastic bags have become a non-negligible cost and become a cost burden on businesses. So, there is a need to solve these problems.

In view of the drawbacks in use of conventional plastic bags to carry cup bodies (or bottles, pots, etc.) and the non-ideal structural design thereof, the inventors research and develop an improvement structure of a carrying container which can provide more convenience, practicality, environmental protection and a better economic effect.

SUMMARY OF THE INVENTION

It is an object of the present invention to provide an improvement structure of a carrying

container, which can afford excellent convenience and practicality in carrying an article or a cup, bottle or pot and significantly reduce the use of plastic materials so as to actively meet environmental requirements and have a better economic effect.

It is another object of the present invention to provide an improvement structure of a carrying container, which can achieve the effect of packing and positioning liquids or beverages contained in an article so that the article doesn't randomly tilt or fall over within the container, thereby providing excellent practicality and safety.

It is a further object of the present invention to provide an improvement structure of a carrying container, which can achieve the effect of securely and stably carrying the cup body due to suitable extension or expansion of the carrying ring.

To achieve the foregoing objects, an improvement structure of a carrying container according to the present invention comprises: a carrying ring having a containing space in its center; at least a handle with end portions connected to the carrying ring.

The technical contents, features and effects of the present invention will be further understood and appreciated by reference to the following specification, claims and appended drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a schematic view of the structure of a conventional plastic bag.

FIG. 2 is a schematic three-dimensional view of a first embodiment of the present invention.

FIG. 2A is a schematic sectional view I of a carrying ring of the present invention.

FIG. 2B is a schematic sectional view II of a carrying ring of the present invention.

FIG. 3 is a schematic view showing the operation of the present invention.

FIG. 4 is a schematic three-dimensional view of a second embodiment of the present invention.

FIG. 4A is a schematic view of a variation of the second embodiment of the present invention.

FIG. 5 is a schematic view showing the operation of the second embodiment of the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

With reference to FIG. 2, there is shown a schematic view of the first embodiment of an improvement structure of a carrying container according to the present invention. The structure is a structure capable of positioning an article (such as a cup, bottle, pot

or like objects) that is loaded therein, which comprises a carrying ring 10 and at least a handle 20 mounted on the carrying ring 10. The carrying ring 10 has a containing space 12 in its center, and the diameter of containing space 12 can be appropriately changed according to the size of the article to be loaded. As shown in FIG. 2A, the section 10A of the carrying ring 10 may be cylinder shaped, or as shown in FIG. 2B, the section 10A of the carrying ring 10 may be in the form of a cone with an inclination angle. The handle 20 is a strap (or a strip), and the end portions of the handle 20 are connected to the carrying ring 10 (in this embodiment, the handle has two end portions that are connected to two opposite ends of the carrying ring. The width (or diameter) or number of the handle 20 may be increased according to the condition of the loaded article. Furthermore, the carrying ring 10 and the handle 20 may be made of a variety of different materials. In this embodiment, they are made of plastics, or alternatively made of environmental materials or paper. The carrying ring 10 may be integrally formed with the handle 20.

With reference to FIG. 3, when the improvement structure of a carrying container according to the present invention is in use, a cup body 30 (or a bottle or pot, etc.) in which a beverage is contained can be put through the containing space 12 of the carrying ring 10. Then, the handle 20 is lifted upwards so that the carrying ring 10 gradually moves upwards and the cup body 30 is hitched by the carrying ring 10, whereby

the cup body 30 is restricted, hitched and positioned by the carrying ring 10 and loaded therein. In this way, random relative movement of the cup body 30 within the carrying ring 10 can be avoided so as to solve the shortcoming that the cup body 30 relatively tilts or falls over within the carrying ring 10.

With reference to FIG. 4, there is shown a schematic view of the second embodiment of an improvement structure of a carrying container according to the present invention, which is modified and designed based on the structure of the first embodiment. The carrying ring 10 is provided with a plurality of slashes 14. The plurality of slashes 14 are distributed on the carrying ring 10. In a preferred embodiment, the slashes 14 are arranged slightly in the transverse direction, such as in a horizontal or inclining direction.

With reference to FIG. 5, when the improvement structure of a carrying container according to the second embodiment of the present invention is in use, a cup body 30 (or a bottle or pot body, etc.) in which a beverage is contained can be similarly put through the containing space 12 of the carrying ring 10. Then, the handle 20 is lifted upwards so that the carrying ring 10 gradually moves upwards and the cup body 30 is hitched by the carrying ring 10. At the same time, the slashes 14 are dilated and deformed due to pulling by the handle 20 and the gravity of the cup body 30. In this way, the carrying ring 10 has a larger wrapping

and hitching area relative to the cup body 30 so as to produce a better effect of securely fitting the cup body to improve the firmness and stability of the loaded cup body.

Moreover, as shown in FIG. 4A, the slashes 14 may also be notch portions 16 of non-specific shapes, which can also achieve the effect of securely and stably carrying the cup body due to extension or expansion or a large wrapping and hitching area of the carrying ring 10.

An article can be loaded in the carrying container of the present invention to achieve the effect of packing and positioning the article so that the article doesn't randomly tilt or fall over within the container, thereby providing excellent convenience, practicality and safety. The amount of material used is much less than for a conventional plastic bag, so the present invention not only actively meets environmental requirements, but also can save material cost and has a better economic effect.

In summarization of the foregoing description, the improvement structure of a carrying container according to the present invention meets the requirements of utility model patents. Therefore, the application for a patent is duly filed accordingly. However, what are described above are only preferred embodiments of the invention and should not be used to limit the claims of the present invention; the above description can be understood and put into practice

by those who are skilled in the present technical field,
and therefore all equivalent changes and modifications
made without departing from the spirit and scope of
the present invention should be included in the appended
claims.

CLAIMS

What is claimed is:

1. An improvement structure of a carrying container, comprising:

a carrying ring having a containing space in the center of the carrying ring; and
at least a handle with end portions connected to the carrying ring.

2. The improvement structure of a carrying container as set forth in claim 1, wherein the section of the carrying ring is cylinder shaped or in the form of a cone with an inclination angle.

3. The improvement structure of a carrying container as set forth in claim 1, wherein the carrying ring is integrally formed with the handle.

4. The improvement structure of a carrying container as set forth in claim 1, wherein the handle has two end portions and wherein the two end portions are connected to two opposite ends of the carrying ring.

5. The improvement structure of a carrying container as set forth in claim 1, wherein the carrying ring and the handle are made of environmental materials, plastics or paper.

6. The improvement structure of a carrying container as set forth in claim 1, wherein the carrying ring is provided with a plurality of slashes.

7. The improvement structure of a carrying

container as set forth in claim 6, wherein the slashes are arranged slightly in the transverse direction.

8. The improvement structure of a carrying container as set forth in claim 1, wherein the carrying ring is provided with a plurality of notch portions.