A MULTIPURPOSE STORAGE BOX

FIELD OF INVENTION

The present invention relates to a storage box. More particularly, the present invention relates to a multipurpose storage box for storing food and money.

BACKGROUND OF THE INVENTION

A storage box is essential to keep and maintain things in a good condition. It also helps user to arrange all their things neatly and safely. A multipurpose storage box is beneficial to have as it provides multiple storage for different items in only one box. Hence, it helps to minimize the usage of multiple storage box for different items and also help to minimize the usage of space.

Food and money are two essential things in human life. Both of them need a good storage so that the quality and safety of the things could be maintained at its best. It is beneficial to have multipurpose storage box for both of them so that it will not cause any waste as the storage box could be used for other purposes such as piggy bank or money storage after consumption of the food.

There are several inventions which provide multipurpose storage box and ES286288U and KR200296165Y1 are to be mentioned. ES286288U disclosed a container for food products which can be used as a money box after consumption of the products. It comprises a hollow casing constituted by two trough-shaped bodies which can be joined together releasably at their complementary free edges. KR200296165Y1 disclosed a container for candy packaging that can be reused as a piggy bank even after taking out all the packaged candy, and the body of the container is shaped into a specific shape to give a considerable favour to children.

For money storage box, most of the multipurpose storage box provide money storage box which is only suitable for storing coins. A multipurpose storage box for storing both coins and paper money is still scarce. Some of inventions such as CN106377031, KR200401153Y1 and WO2004077985A1 disclosed a money storage device but only for the sole purpose of storing money without any other purposes.

Therefore, there is still in need to have any other alternative of storage box which not only could serve for storing food or any possible items, but also could be reused as money

storage box for both coins and paper money, hence, waste production could be eliminated and the storage box could be used at maximum rate.

SUMMARY OF THE INVENTION

An aspect of the present invention is to provide a multipurpose storage box (**10**) comprising a first compartment (**12**) having a plate (**14**) attached on the first compartment (**12**) for placing coins insertion pathway; a second compartment (**16**) below the first compartment (**12**) having a horizontal open compartment; a third compartment (**18**) which is an open compartment having five divisions (**20**), (**22**), (**24**), (**26**), (**28**) slotted inside the second compartment (**16)** to store coins; a fourth compartment (**30**) positioned back to back to the first compartment (**12**) further having two divisions (**32**), (**34**) areas for storing food products and reused to store banknote; a lid (**36**) attached in front of the fourth compartment (**30**) to provide full coverage to the fourth compartment (**30**); characterized in that the plate (**14**) having plurality of holes (**38**), (**40**), (**42**), (**44**), (**46**) and multiple slides (**48**), (**50**), (**52**) act as pathway for coins insertion wherein the first compartment (**12**) further having a first opening (**54**) on top of the first compartment (**12**) for coins insertion wherein the coins move through along the multiple slides (**48**), (**50**), (**52**), the plurality of holes (**38**), (**40**), (**42**), (**44**), (**46**) and stored inside any of the five divisions (**20**), (**22**), (**24**), (**26**), (**28**) of the third compartment (**18**); a second opening (**56**) on top of the fourth compartment (**30**) for banknote insertion wherein the banknote move through the second opening (**54**) and stored inside the division area (**32**) of the fourth compartment (**30**).

Accordingly, size of the multipurpose storage box (**10**) is selected in a range of 27cm-28cm in length, 24cm-24.2cm in width and 11cm-11.5cm in height.

Accordingly, the third compartment (**18**) is further having a small curve (**58**) to provide a medium for a user to detach the third compartment (**18**) from the second compartment (**14**).

Accordingly, size of the small curve (**58**) is selected in a range of 1.9cm-3.9cm in width and 1cm-1.5cm in depth.

Accordingly, size of the first compartment (**12**) is selected in a range of 19cm-19.5cm in length and 3.5-4cm in width.

Accordingly, size of the second compartment (**16**) is selected in a range of 23.5cm-24cm in length and 11cm-11.5cm in width.

Accordingly, size of the third compartment (**18**) is selected in a range of 23.5cm-24cm in width and 9cm-9.5cm in height.

Accordingly, size of the lid (**36**) is selected in a range of 4cm-4.5cm in width, 23.5cm-24 cm in length and 21cm-22cm in height.

Accordingly, the first opening (**54**) is selected in a range of 2.8cm-3cm.

Accordingly, length of the second opening (**56**) is selected in a range of 9.8cm-10cm.

Accordingly, length of the multiple slides (**48**), (**50**), (**52**) is selected in a range of 19cm-22cm.

Accordingly, material of the plate (**14)** is selected from metal, plastic, wooden, glasses, polyvinyl chloride (PVC), paper sheet, stainless steel and polystyrene.

Accordingly, size of the plate (**14**) is selected in a range of 24cm-24.2.cm in width and 19cm-19.5cm in length.

Accordingly, the plate (**14**) further having a cover (**60**) selected from acrylic sheet, metal, plastic, wooden, glasses, polyvinyl chloride (PVC), paper sheet, stainless steel and polystyrene.

Accordingly, size of the cover (**60**) selected in a range of 19cm-19.2cm in length and 23.8cm-24cm in width.

Accordingly, radius of the hole (**38**) is selected in a range of 19cm-20.cm.

Accordingly, radius of the hole (**40**) is selected in a range of 21cm-22cm.

Accordingly, radius of the hole (**42**) is selected in a range of 23cm-24.cm.

Accordingly, radius of the hole (**44**) is selected in a range of 24cm-25cm.

Accordingly, radius of the hole (**46**) is selected in a range of 28cm-29cm.

Accordingly, the lid (**36**) is detachable from the fourth compartment (**30**).

Advantageously, the multipurpose storage box (**10**) of the present invention provides full utilization of a product without generating any product waste because the storage box is suitable for food storage and also money storage after the consumption of the food.

Advantageously, the multipurpose storage box (**10**) of the present invention able to receive and store various sizes of coins.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention shall now be further explained in the following examples with reference to the accompanying figures, nevertheless, without being limited thereto. For the purposes of the present invention, all references as cited herein are incorporated by reference in their entireties In the Figures,

Figure 1 illustrates a multipurpose storage box (**10**) according to the present invention.

Figure 2 illustrates the plate (**14**) that attached to the first compartment (**12**) further having a cover (**60**).

Figure 3 illustrates in details the third compartment (**18**) of the present invention.

Figure 4 illustrates in details the detachment of the third compartment (**18**) from the second compartment (**16**) via the small curve (**58**) by a user.

Figure 5 illustrates in detail the pathway of the coins once they enter the multipurpose storage box (**10**) via the first opening (**54**).

Figure 6 illustrates the fourth compartment (**30**) of the present invention.

Figure 7 illustrates the insertion of the banknote inside the fourth compartment (**30**) by a user.

Figure 8 illustrates a lid (**36**) attached to the fourth compartment (**30**) and the detachment of the lid (**36**) from the fourth compartment (**30**).

DETAILED DESCRIPTION OF THE INVENTION

The present invention relates to a storage box. Figure 1 illustrates in detail the multipurpose storage box (**10**) of the present invention. Size of the multipurpose storage box (**10**) is selected in a range of 27cm-28cm in length, 24cm-24.2cm in width and 11cm-11.5cm

in height. According to Figure 1, the multipurpose storage box (**10**) of the present invention comprises a first compartment (**12**) having a plate (**14**) attached on the first compartment (**12**) for placing coins insertion pathway. In details, the plate (**14**) having plurality of holes (**38**), (**40**), (**42**), (**44**), (**46**) and multiple slides (**48**), (**50**), (**52**) act as route for coins insertion. Length of the multiple slides (**48**), (**50**), (**52**) is selected in a range of 19cm-22cm. Accordingly, radius of the hole (**38**) is selected in a range of 19cm-20cm, radius of the hole (**40**) is selected in a range of 21cm-22.cm, radius of the hole (**42**) is selected in a range of 23cm-24cm, radius of the hole (**44**) is selected in a range of 24cm-25cm and radius of the hole (**46**) is selected in a range of 28cm-29cm.

Accordingly, material of the plate (**14**) is selected from metal, plastic, wooden, glasses, polyvinyl chloride (PVC), paper sheet, stainless steel and polystyrene.

Size of the plate (**14**) is selected in a range of 24cm-24.2cm in width and 19cm-19.5cm in length. The plate (**14**) further having a cover (**60**) selected from acrylic sheet, metal, plastic, wooden, glasses, polyvinyl chloride (PVC), paper sheet, stainless steel and polystyrene as illustrated in Figure 2. Size of the cover (**60**) selected in a range of 23.8cm-24cm in width and 19cm-19.2cm in length. The cover (**60**) is attached to the plate (**14**) via screw, glue, hook and chain.

Referring back to Figure 1, the multipurpose storage box (**10**) of the present invention further comprises a second compartment (**16**) below the first compartment (**12**) wherein the second compartment (**16**) is a horizontal open compartment with size selected from a range of 11cm-11.5.cm in width and a range of 23.5cm-24cm in length.

Further, multipurpose storage box (**10**) of the present invention also comprises a third compartment (**18**). The third compartment (**18**) is slotted inside the second compartment (**16**), under the first compartment (**12**). Figure 3 illustrates in detail the third compartment (**18**) according to one embodiment of the present invention. As referring to Figure 3, the third compartment (**18**) is a horizontal open compartment and having five divisions (**20**), (**22**), (**24**), (**26**), (**28**) to store coins. Size of the third compartment (**18**) is selected in a range of 23.5cm-24cm in width and 9cm-9.5cm in height. Each of the division is having a range of 4.5cm-4.8cm in width and a range of 5cm-5.5.cm in depth. The third compartment (**18**) is further having a small curve (**58**) crafted onto it with size of the small curve (**58**) is selected in a range of 1.9cm-3.9cm in width and 1cm-1.5cm in depth.

In one embodiment of the present invention, the third compartment (**18**) is able to be detached from the second compartment (**16**) via the small curve (**58**) by a user. Figure 4 illustrates in detail the detachment of the third compartment (**18**) from the second compartment (**16**) via the small curve (**58**) by a user. As referring to Figure 4, the small curve (**58**) provides an area for a user to pull the third compartment (**18**) out from the second compartment (**16**). This will allow the user to further collect all the coins stored inside the five divisions (**20**), (**22**), (**24**), (**26**), (**28**) once the divisions are filled. The third compartment (**18**) is able to be attached back to the second compartment (**16**) when the third compartment (**18**) is slotted in back inside the second compartment (**16**).

In another embodiment of the present invention, the multipurpose storage box (**10**) of the present invention also comprises a first opening (**54**) on top of the first compartment (**12**) which serves as medium for coins insertion. In details, length of the first opening (**54**) is selected in a range of 2.8cm-3cm. Whenever a coin is inserted into the first opening (**54**), it will move through the plate (**14**) and stored inside the third compartment (**18**). Figure 5 illustrates in detail the pathway of the coins once they enter the multipurpose storage box (**10**) via the first opening (**54**). As referring to Figure 5, when the coins is inserted into the first opening (**54**) on top of the first compartment (**12**), the coins move through along the multiple slides (**48**), (**50**), (**52**), plurality of holes (**38**), (**40**), (**42**), (**44**), (**46**) with different radius and stored inside any of the five divisions (**18**), (**20**), (**22**), (**24**) of the third compartment (**18**).

Still referring to Figure 5, since the plurality of holes (**38**), (**40**), (**42**), (**44**), (**46**) are having various radius, various sizes of coins could be inserted and stored inside the second compartment (**16**). The coins move through the slides (**48**), (**50**), (**52**), and enter any of the holes (**38**), (**40**), (**42**), (**44**), (**46**) according to its radius/size and then stored in any of the five divisions (**20**), (**22**), (**24**), (**26**), (**28**) according to its size. The multipurpose storage box (**10**) of the present invention able to collect and store the coins based on its sizes.

In yet another embodiment of the present invention, the multipurpose storage box (**10**) of the present invention further comprises a fourth compartment (**30**) positioned back-to-back to the first compartment (**12**). The fourth compartment further having two divisions (**32**), (**34**) areas for storing food products and reused to store banknote at division (**32**) after consumptions of the food products. In yet another embodiment of the present invention, the fourth compartment (**30**) is illustrated in detail in Figure 6. There is also a second opening (**56**)

on top of the fourth compartment (**30**) for banknote insertion. The length of the second opening (**56**) is selected in a range of 9.8cm-10cm.

Figure 7 illustrates the insertion of the banknote inside the fourth compartment (**30**) by a user. As referring to Figure 7, when the banknote is inserted into the fourth compartment (**30**) via the second opening (**56**) on top of the fourth compartment (**30**), the banknote then is stored inside the division (**32**) of the fourth compartment (**30**).

Further, there is also a lid (**36**) attached to the fourth compartment (**30**) to provide full coverage to the fourth compartment (**30**) as illustrated in Figure 8. The lid (**36**) provides protection to any food product stored inside the fourth compartment (**30**). Once the food has been consumed, the area of the division (**32**) of the fourth compartment (**30**) is able to be reused as a banknote storage box. The lid (**36**) is detachable from the fourth compartment (**30**). This will allow the user to keep his/her banknote safely and also allow the user to collect the banknote once the division (**32**) of the fourth compartment (**30**) is fully utilized. Size of the lid must be corresponded to the size of the fourth compartment (**30**) and the size is selected in a range of in a range of 4cm-4.5cm in width, 23.5cm-24cm in length and 21cm-22cm in height.

Advantageously, the multipurpose storage box (**10**) of the present invention provides full utilization of a product without generating any waste product because the multipurpose storage box (**10**) of the present invention is suitable for food storage and also money storage after the consumption of the food.

Advantageously, the multipurpose storage box (**10**) of the present invention able to receive and store various sizes of coins.

As will be readily evident to those skilled in the art, this invention may easily be produced in other definite forms without leaving from its scope or essential characteristics. These examples are, therefore, to be considered as only illustrative and not restrictive, the scope of the invention being indicated by the claims rather than the former description.

CLAIMS

1. A multipurpose storage box (10) comprising:

a first compartment (**12**) having a plate (**14**) attached on the first compartment (**12**) for placing coins insertion pathway; a second compartment (**16**) below the first compartment (**12**) having a horizontal open compartment; a third compartment (**18**) which is an open compartment having five divisions (**20**), (**22**), (**24**), (**26**), (**28**) slotted inside the second compartment (**16)** to store coins; a fourth compartment (**30**) positioned back to back to the first compartment (**12**) further having two divisions (**32**), (**34**) areas for storing food products and reused to store banknote; a lid (**36**) attached in front of the fourth compartment (**30**) to provide full coverage to the fourth compartment (**30**);

characterized in that

the plate (**14**) having plurality of holes (**38**), (**40**), (**42**), (**44**), (**46**) and multiple slides (**48**), (**50**), (**52**) act as pathway for coins insertion wherein the first compartment (**12**) further having a first opening (**54**) on top of the first compartment (**12**) for coins insertion wherein the coins move through along the multiple slides (**48**), (**50**), (**52**), the plurality of holes (**38**), (**40**), (**42**), (**44**), (**46**) and stored inside any of the five divisions (**20**), (**22**), (**24**), (**26**), (**28**) of the third compartment (**18**); a second opening (**56**) on top of the fourth compartment (**30**) for banknote insertion wherein the banknote move through the second opening (**54**) and stored inside the division area (**32**) of the fourth compartment (**30**).

2. The multipurpose storage box (**10**) according to claim 1, wherein size of the storage box (**10**) is selected in a range of 27cm-28cm in length, 24cm-24.2cm in width and 11cm-11.5cm in height.

3. The multipurpose storage box (**10**) according to claim 1, wherein the third compartment (**18**) is further having a small curve (**58**) to provide a medium for a user to detach the third compartment (**18**) from the second compartment (**16**) with size of the small curve (**58**) is selected in a range of 1.9cm-3.9cm in width and 1cm-1.5cm in depth.

4. The multipurpose storage box (**10**) according to claim 1, wherein size of the first compartment (**12**) is selected in a range of 19cm-19.5cm in length and 3.5cm-4cm in width, size of the second compartment (**16**) is selected in a range of 23.5cm-24cm in length and

11cm-11.5cm in width, size of the third compartment (**18**) is selected in a range of 23.5cm-24cm in width and 9cm-9.5cm in height and size of the fourth compartment (**30**) is selected in a range of 4cm-4.5cm in width, 23.5cm-24cm in length and 21cm-22cm in height.

5. The multipurpose storage box (**10**) according to claim 1, wherein length of the first opening (**54**) is selected in a range of 2.8cm-3cm, length of the second opening (**56**) is selected in a range of 9.8cm-10cm and length of the multiple slides (**48**), (**50**), (**52**) is selected in a range of 19cm-22cm.

6. The multipurpose storage box (**10**) according to claim 1, wherein material of the plate (**14**) is selected from metal, plastic, wooden, glasses, polyvinyl chloride (PVC), paper sheet, stainless steel and polystyrene.

7. The multipurpose storage box (**10**) according to claim 1, wherein size of the plate (**14**) is selected in a range of 24cm-24.2cm in width and 19cm-19.5cm in length.

8. The multipurpose storage box (**10**) according to claim 1 and 6, wherein the plate (**14**) further having a cover (**60**) selected from acrylic sheet, metal, plastic, wooden, glasses, polyvinyl chloride (PVC), paper sheet, stainless steel and polystyrene and attached to the plate (**14**) via screw, glue, hook and chain.

9. The multipurpose storage box (**10**) according to claim 8, wherein size of the cover (**60**) is selected in a range of 19cm-19.2cm in length and 23.8cm-24cm in width.

10. The multipurpose storage box (**10**) according to claim 1, wherein radius of the hole (**38**) is selected in a range of 19cm-20cm, radius of the hole (**40**) is selected in a range of 21cm-22cm, radius of the hole (**42**) is selected in a range of 23cm-24cm, radius of the hole (**44**) is selected in a range of 24cm-25.cm, radius of the hole (**46**) is selected in a range of 28cm-29cm.

11. The multipurpose storage box (**10**) according to claim 1, wherein the lid (**36**) is detachable from the fourth compartment (**30**) and size of the lid (**36**) is selected in a range of 4cm-4.5cm in width, 23.5cm-24 cm in length and 21cm-22cm in height.