

Oct. 20, 1925.

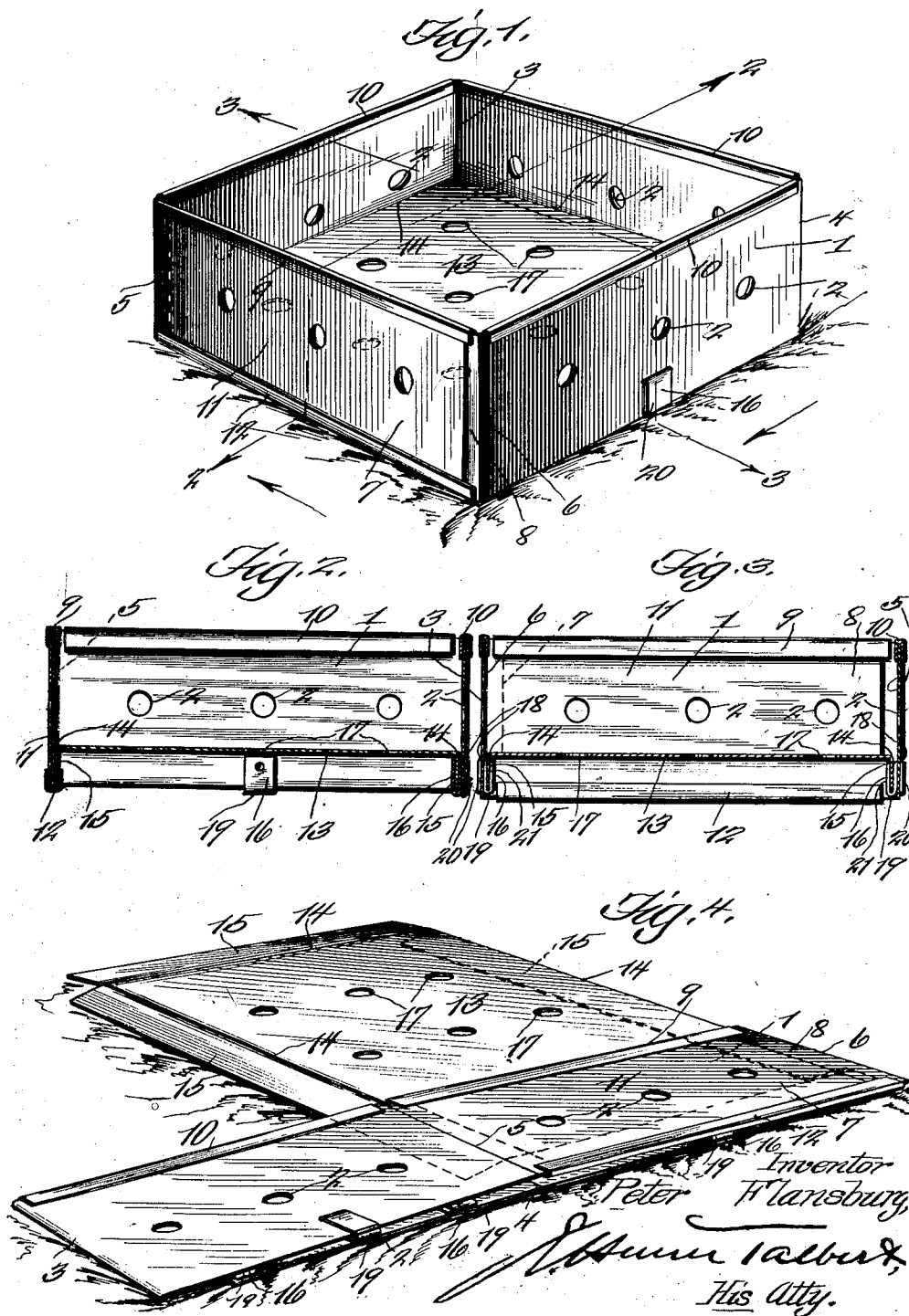
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P. FLANSBURG

BERRY BOX OR CONTAINER

Filed June 30, 1924

2 Sheets-Sheet 1



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Fig. 5.

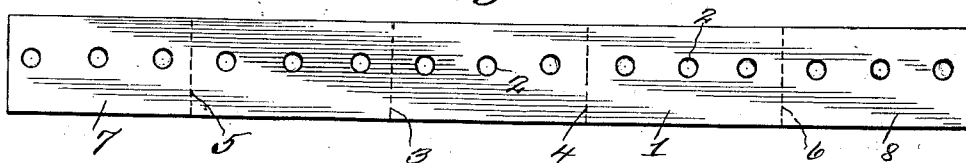


Fig. 6.

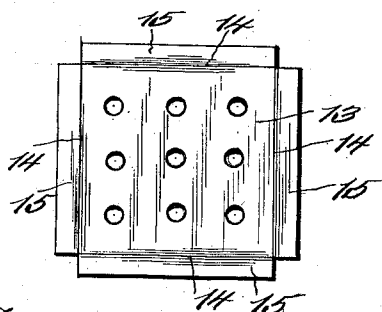


Fig. 7.

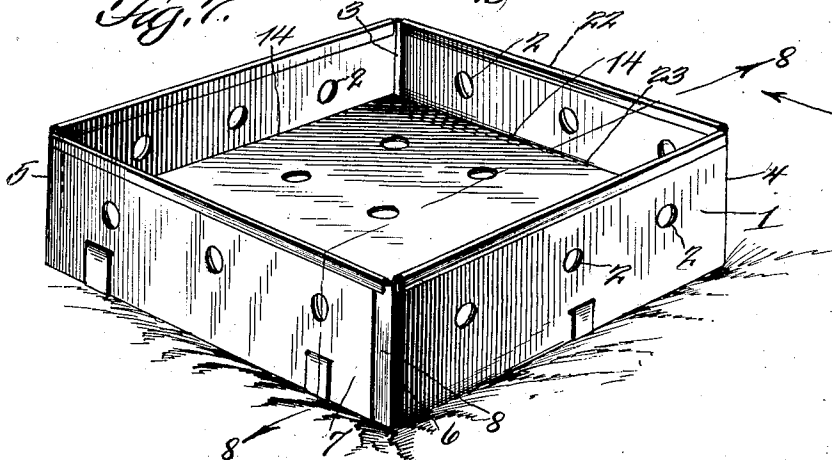
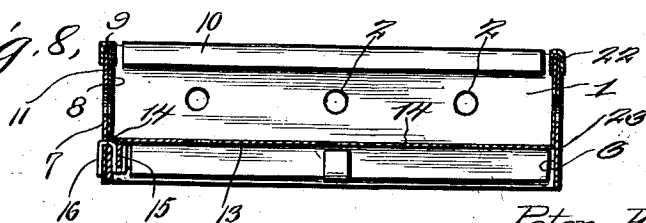


Fig. 8.



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UNITED STATES PATENT OFFICE.

PETER FLANSBURG, OF MANISTEE, MICHIGAN.

BERRY BOX OR CONTAINER.

Application filed June 30, 1924. Serial No. 723,266.

To all whom it may concern:

Be it known that PETER FLANSBURG, a citizen of the United States, residing at Manistee, in the county of Manistee and State of Michigan, has invented new and useful Improvements in Berry Boxes or Containers, of which the following is a specification.

A patent on a container of this kind has been granted to the present applicant and wherein the construction requires a blank of considerable size and material, there being numerous folds necessary in order to form the container. A container of this character, when in blank form, takes up a considerable area of space if the blank is laid out flat and if the blank is partly folded considerable space in a perpendicular direction will be consumed.

In view of this, it has been found that fewer containers or boxes can be shipped to a purchaser. Therefore, the present invention has for its purpose to provide a construction where a greater number of boxes or containers may be shipped to a purchaser in a very much smaller compass than can be accomplished when shipping the old container.

In accomplishing this result with the present form of container or box, the first named objections and difficulties are also avoided and in addition thereto a greater saving of material is effected, also a neater package may be made when shipping the present construction of container in large quantities.

It is to be understood that the particulars herein given are in no way limitative and that, while still keeping within the scope of the invention, any desired modifications of detail and desired proportions may be made in the apparatus according to the circumstances.

The invention comprises further features and combinations of parts to be hereinafter set forth, shown in the drawings and claimed.

In the drawings:

Figure 1 is a view in perspective of the improved berry box or container constructed in accordance with the invention.

Figure 2 is a sectional view through the same on line 2—2 of Figure 1.

Figure 3 is a transverse sectional view on line 3—3 of Figure 1 at right angles to Figure 2.

Figure 4 is a view in perspective of the box or container in a collapsed condition, showing how a number of containers can be arranged in superimposed relation so as to take up a very small space and produce a package in a small compass.

Figure 5 is a plan view of the blank forming the sides of the box.

Figure 6 is a view of the blank of the bottom of the box.

Figure 7 is a view of a modified form of blank wherein the bottom is made an integral part of one of the sides.

Figure 8 is a sectional view of the box or crate wherein the blank in Figure 7 is employed.

Referring to the drawings, 1 designates a blank which is of elongated form and of a width sufficient to form the height of the sides of the box or container. It is obvious that any size of blank made of any suitable material may be used. Furthermore, the blank forming the sides is provided with perforations at 2 in order to permit air to percolate through the sides and circulate among the berries and also allow a portion of the moisture to drain therefrom.

The blank, as shown in Figure 5, is scored at 3, 4, 5 and 6, whereby the blank may be folded at these locations so as to provide a container or box of rectangular formation. Where the blank is scored at 5 and 6, it is provided with extensions 7 and 8 which overlap. The upper edges of these overlapping parts 7 and 8 are held together by a strip of metal 9 which is bent upon itself longitudinally to form a construction U-shaped in cross section. This U-shaped holder straddles the upper edges of the overlapping extensions 7 and 8 to hold them in register. The upper edges of the remaining sides of the box or container are provided with similar U-shaped strips of metal 10, not for the purpose of holding two sides together but for the purpose of imparting

rigidity in order to prevent the box or container from distorting or bulging out at the sides, especially when filled with berries or the like. The U-shaped metal holder 9 also
5 insures rigidity for the side of the box which is made up of the overlapping extensions.

Secured to the lower edge of the side 11 by means of a similar U-shaped holding
10 strip 12, as in Figures 1, 2, 3 and 4, is a blank 13 forming the bottom of the container. This bottom or blank 13 is scored at 14 adjacent its margin so as to provide extension flaps 15. One of the extension
15 flaps 15 is clamped in position by the U-shaped metal strip holder 12. When the bottom is in position, the flaps 15 are folded or bent at right angles to the bottom so as to lie adjacent the sides of the container
20 and when so disposed they are held in position by the fasteners 16 which are carried by the sides of the container. The flaps 15 are for the purpose of disposing the bottom offset above the lower edges of the sides of the container so as to permit air to circulate
25 under the container and pass upwardly through the perforations in the bottom as well as to circulate among the berries or the like contained therein. The perforations 17
30 in the bottom also permit moisture to drain off.

Two of the fasteners, one opposite the other, are carried by certain opposite sides of the container and each fastener comprises
35 a single piece of sheet metal of elongated form which is bent upon itself at 18 and 19. However, before making the bend 18, the end portion 20 beyond the bend 18 is passed through a slit in the side and the folded
40 part 20 clamped tightly thereagainst. The other extension 21 caused to be formed by the fold 19 holds one of the flaps 15 in place and assists in holding the bottom in proper position. In fact, all of the fasteners 16 are
45 similarly constructed and applied. However, the side which is made up of the overlapping extensions 6 and 7 has two fasteners 16 in order to more securely hold the overlapping extensions 6 and 7 in position and
50 in register and since this side is made up of two thicknesses of material, it can be readily seen that additional rigidity is afforded.

In Figures 7 and 8, the blank is similar to the blank in Figure 5, with the exception
55 that the bottom is made a part thereof. In fact, the bottom is integral with the upper edge of one of the sides and in so constructing the blank it is necessary to provide two scored lines 22 and 23. The scored line 22 permits one of the flaps 15 (which is wider
60 than the other flaps) to be folded parallel with and adjacent to the side. The other scored line permits the bottom to be folded
65 at right angles to the wide flap. The other

flaps 15 are bent downwardly so as to engage with the fasteners of the lower edges of the sides.

The invention having been set forth,
70 what is claimed is:

1. As an article of manufacture, a blank
70 from which a container may be formed, said blank being of elongated formation, scored, causing three sides of the container to be
75 formed and additionally scored, causing extensions of equal length to be formed, the blank being of sufficient width to provide the sides of the container of requisite height,
80 the extensions being overlapped to form the fourth side of the container with double thickness throughout, U-shaped metal strips straddling the upper edges of all the sides
85 for imparting rigidity to the container, one of said U-shaped strips clamping the upper edges of the thicknesses of the double side together, a bottom fitted between all sides
90 of the container and provided with marginal flaps which extend downwardly with their lower edges substantially flush with the lower edges of the sides of the container,
95 a U-shaped metal strip straddling and clinching the two thicknesses of the double side and one of the flaps of the bottom, thereby connecting the bottom permanently to the side of double thickness, and devices passing
100 through the sides and around the edges of the flaps for securing the remaining flaps of the raised bottom to the other three sides of the container, the construction and arrangement of the devices being such as to
105 permit the flaps to slidably disengage without removing the devices and allowing the bottom to disengage from between the sides, permitting the latter to collapse.

2. As an article of manufacture, a container comprising a blank which forms the
105 sides of the container, the blank being scored to form certain of the sides and causing to be formed extensions substantially equal in length to the first sides and which
110 extensions overlap, forming a side of double thickness throughout, U-shaped metal strips straddling the upper edges of the sides for imparting rigidity to the container, one of
115 said U-shaped strips clamping the upper edges of the thicknesses of the double side together, a raised bottom connected permanently to one of the sides and having
120 downwardly extending flaps lying against the inner faces of certain of the sides of the container, and S-shaped clips passing through the sides of the container, downwardly between said inner faces of the sides
125 and the flaps of the bottom, passing under the flaps and upwardly against the inner faces of the flaps, thereby supporting the bottom, those portions of the clips which engage with the lower edges of the flaps acting
130 to protect said lower edges and avoid excessive wear thereon.

3. As an article of manufacture, a container constructed from a blank to form the sides of the container, U-shaped metal strips straddling the upper edges of the sides, a
5 raised bottom with flaps, of which one is connected to one side of the container, the bottom being fitted between all sides of the container with the edges of the flaps substantially flush with certain edges of the
10 sides, and S-shaped clips passing through the sides, downwardly between the inner faces of the sides and the flaps, over and around the edges of the flaps and upwardly against the inner faces of the flaps, thereby supporting the bottom, the portions which
15 engage around the edges of the flaps acting to protect the edges and avoid wear thereon.

In testimony whereof he affixes his signature.

PETER FLANSBURG.