C. T. BLOOMER.

PAPER VESSEL.

APPLICATION FILED APR. 9, 1908.

906,485. Patented Dec. 8, 1908.

Fig. 2.

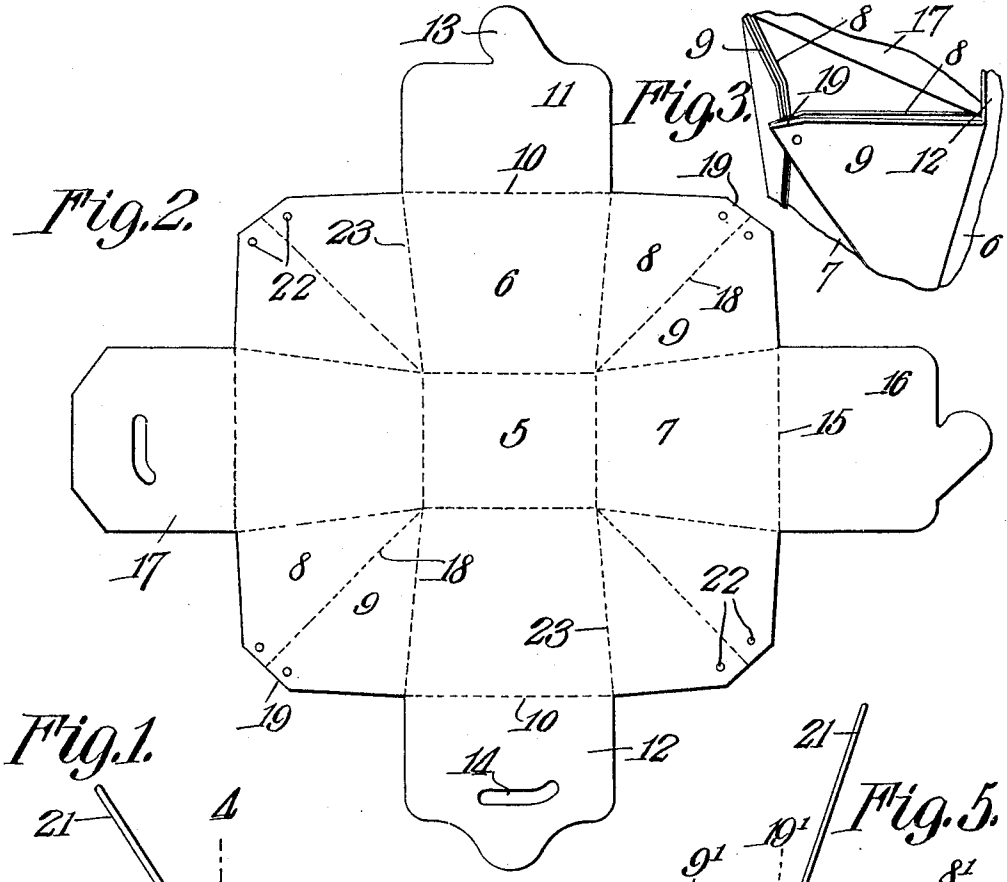


Fig. 3.

Fig. 1.

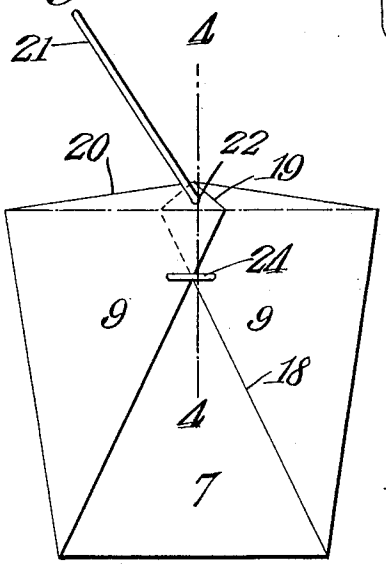


Fig. 4.

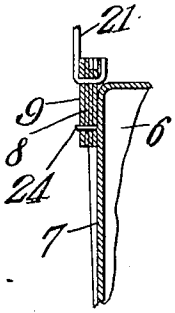
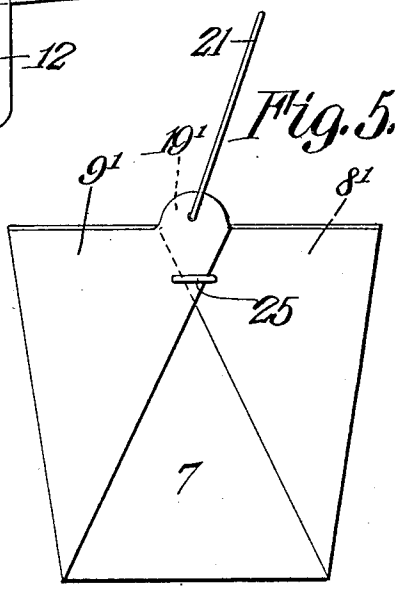


Fig. 5.



Witnesses

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PAPER VESSEL.

No. 906,485. Specification of Letters Patent. Patented Dec. 8, 1908.

Original application filed May 20, 1907, Serial No. 374,709. Divided and this application filed April 9, 1908. Serial No. 426,138.

To all whom it may concern:

Be it known that I, CHARLES T. BLOOMER, a citizen of the United States, residing at Newark, in the county of Wayne and State of New York, have invented a new and useful Paper Vessel, of which the following is a specification.

This invention relates to paper receptacles of that general class shown and described in my former application for United States Letters Patent filed on the 20th day of May 1907, under Serial No. 374,709 and of which the present invention is a division.

The object of the invention is to provide a pail or receptacle the side walls of which are extended above the fold lines of the top of the cover and inclined in opposite directions towards the end walls to produce vertical strengthening flanges which also serve to support the bail or handle.

A further object is to provide a fastening device or staple for securing the over-lapped reinforcing wings of the side walls in engagement with each other.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a side elevation of a pail constructed in accordance with my invention. Fig. 2 is a plan view of the blank from which the pail is constructed. Fig. 3 is a vertical detail perspective view showing the manner of folding the reinforcing wings of the side walls. Fig. 4 is a vertical sectional view taken on the line 4—4 of Fig. 1. Fig. 5 is a side elevation illustrating a modified form of the invention.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved pail or receptacle forming the subject matter of the present invention is preferably constructed from a paper or card board blank of the configuration shown in Fig. 2 of the drawing, and consists of a bottom section 5 having converging side and end walls 6 and 7, there being corner folds 8 and 9 connecting the side walls 6 and end walls 7 and constituting reinforcing wings when the blank is folded to form the pail or receptacle.

The side walls 6 are extended laterally beyond the transverse fold lines 10 to form outer cover sections or flaps 11 and 12, one of which is provided with a locking tongue 13 adapted to engage a corresponding slot or recess 14 formed in the opposite section 12, as shown. The end walls 7 are also projected beyond the adjacent fold lines 15 to form extensions 16 and 17 which constitute the inner cover sections or flaps of the receptacle, said inner cover sections being provided with interlocking parts similar in construction to the interlocking parts of the outer cover sections.

It will here be observed that the free edges of the corner folds or wings 8 and 9 are disposed substantially in alinement with the adjacent cover fold lines 10 and 15, while the apexes or meeting faces of the corner wings are cut or severed on a line at right angles to the diagonal fold lines 18 thereby to effect a saving in stock and also to form the reinforcing wings with inclined or beveled ends 19.

By constructing the blank in the manner described, when said blank is folded to produce the pail, shown in Fig. 1 of the drawings, the upper edges of the reinforcing wings 8 and 9 will project above the fold lines of the cover to form oppositely disposed vertical flanges 20, the free edges of which are inclined from the center of the side walls towards the opposite ends of the pail, as shown.

The vertical flanges not only serve to reinforce and strengthen the pail but also serve to form supports for the terminals of the bail or handle 21, there being transversely alined openings 22 formed in the inclined ends of the reinforcing wings for the reception of the terminals of the handle, as best shown in Figs. 1 and 4 of the drawings.

Attention is here called to the fact that by extending the upper edges of the reinforcing wings above the cover the terminals of the bails are supported above said cover thereby to effectually prevent the escape of the liquid contents of the receptacle through the bail receiving openings 22.

In assembling the pail the side walls 6 are folded inwardly on the lines 23 and the corner folds or wings 8 folded on the lines 18 and thence folded laterally on the side walls or

panels 6 so as to produce a receptacle similar to that shown in Fig. 1 of the drawings, the terminals of the bail being subsequently passed through the openings or apertures 22 in the vertical reinforcing flanges of the wings.

Suitable staples or similar fastening devices 24 are preferably disposed below and in alinement with the bail receiving openings 22 in order to secure the overlapping ends of the reinforcing wings in engagement with each other, the pointed terminals of the staples being extended through both reinforcing wings with their ends clenched or bent in contact with the inner faces of the wings, as best shown in Fig. 4 of the drawings.

Another advantage in providing the opposite sides of the pail with the vertically disposed reinforcing flanges is to prevent accidental displacement of small objects which may be placed on the cover of the pail when transporting oysters or the like in the pail.

In Fig. 5 of the drawings there is illustrated a modified form of the invention in which the over-lapped terminals of the reinforcing wings 8′ and 9′ are curved or rounded to produce vertical flanges or bail supporting ears 19′, the material forming the reinforcing wings being cut or severed between the ears or flanges 19′ and the adjacent end of the pail or receptacle so as to be disposed substantially flush therewith, as shown. A staple or similar fastening device 25 is also preferably employed in this form of the pail for securing the over-lapped ends of the reinforcing wings in engagement with each other. If desired, however, the staples or fastening devices shown in both forms of the device may be dispensed with and said wings glued or otherwise fastened to the body of the pail without departing from the spirit of the invention.

While it is preferred to form the transversely alined openings 22 in the inclined ends of the reinforcing wings for the reception of the terminals of the handle, it will be understood that these openings may be omitted and mechanical means employed for forcing the bail or handle terminals through the reinforcing wings thereby cutting their own openings at the same time the bail or handle is inserted in the vessel.

Having thus described the invention what is claimed is:

1. A paper receptacle provided with a cover and having its side walls formed with over-lapping reinforcing wings, the said wings being extended above the cover and having their upper edges inclined in opposite directions toward the end walls of the receptacle to produce vertically disposed transverse flanges, a bail having its terminals extending through the flanges above the cover and bent into engagement with the inner faces of the said flanges, and a securing element engaged at its ends through the wings and connecting the wings below the plane of the top.

2. A paper receptacle provided with a cover and having its side walls formed with an element having reinforcing wings, the free ends of the said wings being beveled and their upper edges being extended above the fold lines of the cover to form vertical flanges, the upper edges of said flanges being inclined in opposite directions toward the end walls of the receptacle, a bail engaged at its ends through the wings above the plane of the top of the receptacle, and means securing the wings together at a point in a plane below the top of said cover.

3. A paper receptacle, provided with a cover and having its side walls formed with over-lapping reinforcing wings, said wings being extended above the plane of the cover and having their upper edges inclined in opposite directions toward the end walls of the receptacle to form vertically disposed transverse flanges, the opposed edges of the wings intersecting below the plane of the top of the receptacle, a bail engaged at its ends through the said flanged portions of the wings above the plane of the top of the receptacle connecting said wings at the said point, and a fastening element engaged at its ends through the wings substantially in a plane with their point of intersection and below the plane of the said top of the receptacle and connecting said wings.

4. A paper receptacle provided with a cover, and having its side walls formed with overlapping, reinforcing wings, said wings having portions extending above the plane of the cover, a bail having its terminals extending through the said extensions of the wing, and bent into engagement with the inner faces of the said extensions, and a securing element engaged at its ends through the wings below the plane of the top.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES T. BLOOMER.

Witnesses:

ALLYN T. GILBERT,

JOSEPH GILBERT.