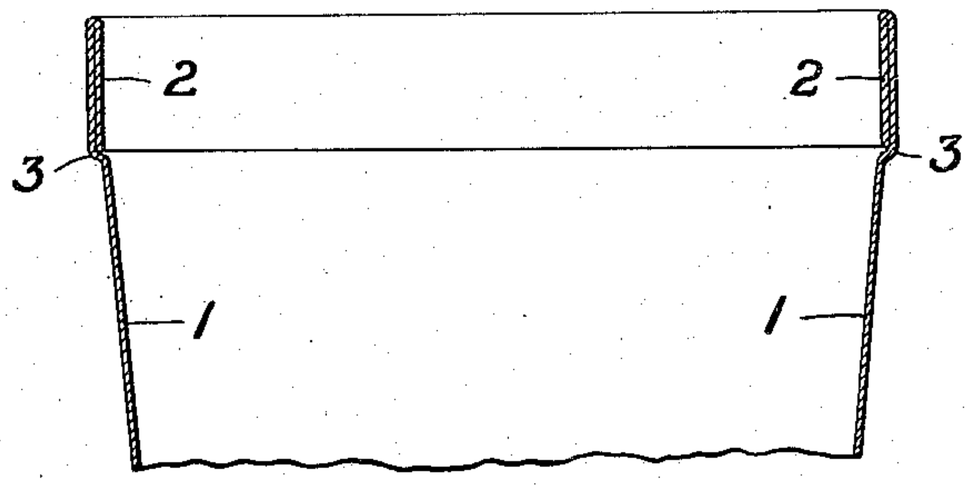
No. 885,887. PATENTED APR. 28, 1908.

E. Z. TAYLOR.

MILK RECEPTACLE.

APPLICATION FILED APR. 12, 1907.

FIG. 1.



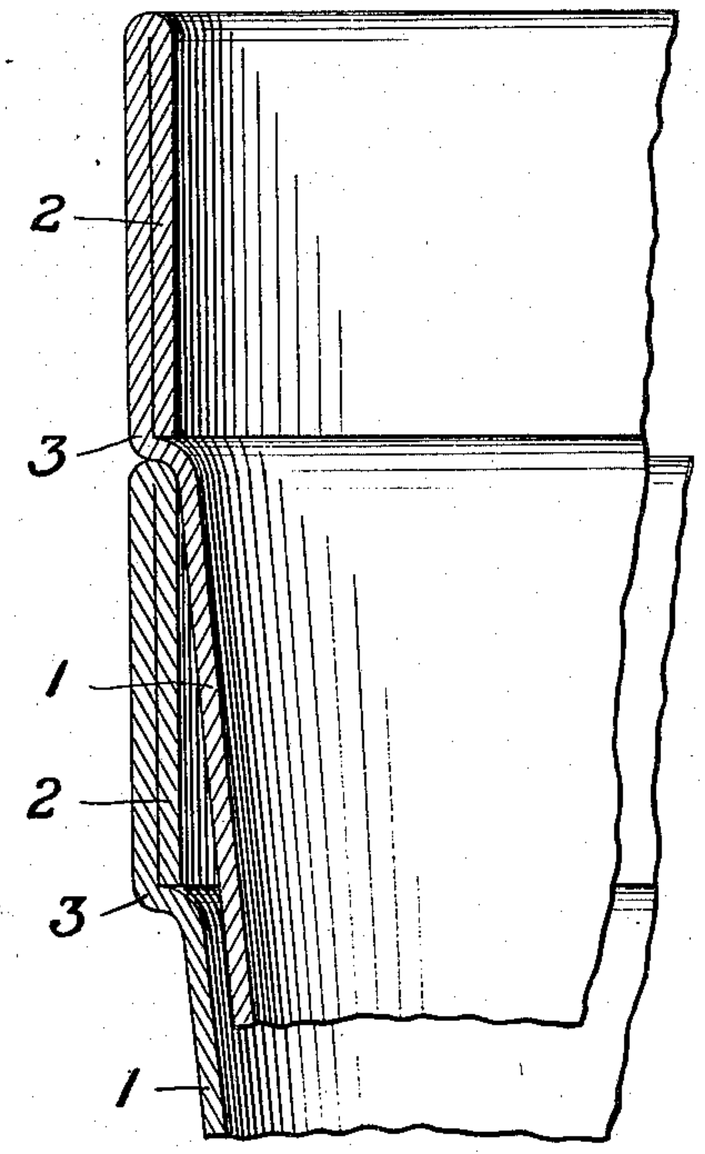


FIG. 2.

Witnesses:

C. H. Crawford

Ira J. Morgenthal.

Inventor:

Elmer Zobley Taylor

by Dinger

Attorney

UNITED STATES PATENT OFFICE.

ELMER ZEBLEY TAYLOR, OF LONDON, ENGLAND, ASSIGNOR TO MONO SERVICE VESSELS, LIMITED, OF LONDON, ENGLAND.

MILK-RECEPTACLE.

No. 885,887. Specification of Letters Patent. Patented April 28, 1908.

Application filed April 12, 1907. Serial No. 367,872.

To all whom it may concern:

Be it known that I, ELMER ZEBLEY TAYLOR, a citizen of the United States, residing at 46 Peartree street, Goswell Road, London, England, have invented an Improvement in Milk-Receptacles, of which the following is a specification.

This invention relates to an improvement in the construction of vessels of the class which are formed mainly or entirely of paper and are suitable for containing liquid or other produce, being especially applicable for use in the delivery of milk to customers, the cost of materials and of production being so slight that after having been once used the vessel may be destroyed, thus avoiding the risk of transmission of infectious diseases, while at the same time the retailer is spared the large original outlay for and the cost of collecting and cleaning the cans or bottles usually employed.

Vessels of the class to which this invention relates are of conical form, tapering slightly from the top downwards, and the object of the present improvement is to produce an enlargement around the upper edge of such vessels so that when a number thereof are nested together for packing or transport they will be prevented from fitting too closely into each other, while at the same time the top will be strengthened and stiffness imparted to the receptacle.

The invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a sectional view of the upper end of a paper vessel constructed in accordance with the invention, and Fig. 2 is a sectional view on an enlarged scale of parts of two of such vessels when nested together.

In carrying out this invention the upper edge of the vessel 1 is doubled inwards all round for a suitable distance, as shown at 2, and such doubled-in portion then pressed out preferably until the lower edge thereof is substantially flush with the inner surface of the main body, whereby an enlargement or projection 3 will be formed around the outside of the rim, against which the upper edge of the vessel below will abut when a number are nested together.

The pressing out operation above described may be effected by providing the machinery used in the manufacture of the vessels with an annular ring the interior surface of which is of the same shape and size as the exterior surface it is desired to impart to the vessel. The latter with its turned in upper edge is placed in such ring and a suitable appliance is inserted in the vessel to press out the material thereof to fit the interior surface of the annular ring. Or if desired the pressing out operation may be performed by means of rollers. The enlargement or projection 3 formed will preferably be vertical, instead of following the taper form of the main body 1 of the vessel.

What I claim as my invention, and desire to secure by Letters Patent, is:—

1. A paper vessel having its upper margin folded inwardly and downwardly to form a reinforced upper marginal portion, said inwardly folded margin being unconnected with the body of the vessel said portion being forced outwardly at a point adjacent the free edge of said downwardly folded margin to form an annular projection on the outside of the vessel, said edge engaging said shoulder on its inner surface.

2. A paper vessel having its upper margin folded inwardly against its inner face to form a reinforced marginal portion, said inwardly folded margin being unconnected with the body of the vessel said portion being forced outwardly to form an annular projection on the outside of the vessel at a point adjacent the free edge of said inwardly turned portion so as to effect engagement between said edge and said shoulder to brace the latter, said reinforced portion being forced outwardly sufficiently to bring its inner face substantially flush with the inner face or surface of the body of the vessel whereby said reinforced portion may serve to take up the strain imposed by nested vessels.

3. A paper conical vessel having its upper margin folded inwardly against its inner face to form a reinforced marginal portion, said inwardly folded margin being unconnected with the body of the vessel said portion being forced outwardly to form an annular projection or shoulder on the outside of said vessel and in a manner to cause the reinforced por-

tion to be vertically disposed, said outwardly forced portion being formed so as to bring the free edge of said inwardly folded portion into engagement with said shoulder whereby said reinforced portion may serve to take up the compressive strain imposed by nested vessels.

In testimony whereof I affix my signature in presence of two witnesses.

ELMER ZEBLEY TAYLOR.

Witnesses:
H. D. JAMESON,
F. L. RAND.