May 16, 1933. C. H. ROLLASON 1,909,635

DUAL CONTAINER

Original Filed March 7, 1931

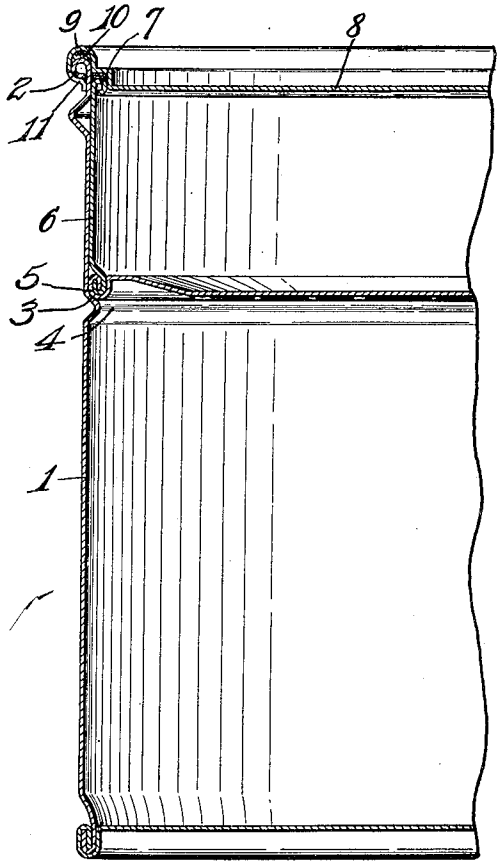


FIG 1

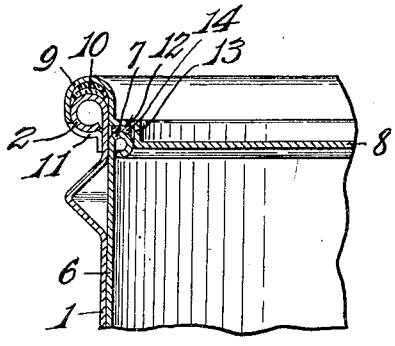


FIG 2

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UNITED STATES PATENT OFFICE

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DUAL CONTAINER

Application filed March 7, 1931, Serial No. 520,851. Renewed October 4, 1932.

This invention relates broadly to sheet metal containers, and more specifically to a container of so-called dual type.

The primary object of the invention is to provide a simple and improved form of dual container in which ingredients of two different characters or varieties may be maintained wholly separate and apart during shipment and storage.

As is well understood, certain kinds of materials, as, for instance, paints having an aluminum base, are not adapted to be furnished in read-mixed form, due to the fact that the base material, or pigment, not only fails to remain in suspension in the liquid-vehicle, but tends to become solidified on the bottom of the container to the extent that subsequent agitation or stirring for effecting even distribution thereof is rendered exceedingly difficult, if not actually practically impossible of attainment by means readily available to the average ultimate user.

Therefore, as hereinbefore indicated, it is an object of the invention to provide a drum or cask of dual type adapted for use as a container for paint materials and wherein the liquid vehicle and the pigment, the latter being ordinarily provided in dry powder or granular form, are maintained separate and apart, each from the other, until mixture thereof preparatory to immediate use is required.

A further object is to provide an outer drum-like container having removably mounted or nested within an end thereof a second, or auxiliary, container and provided with a removable closure by means of which leak-proof seals are formed with both of said containers.

In describing the invention in detail, reference is herein had to the accompanying drawing, in which—

Figure 1 is a partial vertical section of the invention; and—

Figure 2 is an enlarged detail section showing the seals formed between the closure and each of the two containers.

Referring to said drawing, 1 designates the body of an outer sheet metal receptacle or container of drum-like form having about its upper end an outwardly turned rim 2 of roll or bead form. Located at an appropriately spaced distance from said end is an internal annular seat 3, preferably formed by the provision in the body of the receptacle 1 of an inwardly directed annular rib 4, and removably mounted in more or less closely telescoped or nested position within said body and having the bottom chime portion 5 thereof resting upon said seat 3 is a second sheet metal receptacle or container 6.

The receptacle 6 has at its upper end an inwardly turned annular terminal roll or bead 7 which, in the nested position indicated, is located at a suitably spaced short distance below the level of the top surface of the rim roll 2, as shown.

The receptacle 1 is designed to contain within the lower portion thereof, or in the space below the bottom of the receptacle 6, a liquid paint vehicle, as an oil, while the said vessel 6 constitutes a container for the pigment base which, in the preparation of the paint for use, is subsequently to be mixed with said vehicle.

Removably mounted in closing relation to the two vessels 1 and 6 is a cover 8 having an outwardly turned annular rim 9 of downwardly facing channel form, and mounted in the channel thereof is a readily compressible gasket 10, preferably in the form of a rubber tube, designed to seat upon and form a seal with the rim roll 2 of the drum. Spaced terminal lugs 11 formed integral with and depending from the rim 9 of the cover are designed to be turned into underlying seated relation to the rim roll 2 for securing the cover in its seated position.

The rim 9 occupies elevated relation to the body of the cover, as shown, and located at a suitable level below said rim is a downwardly facing shoulder 12 formed by the provision in said cover body of an angular offset 13. Said shoulder constitutes a seat upon which is carried a gasket 14 adapted, in the seated position of the cover, to rest upon and form a seal with the terminal roll 7 of the inner container 6.

The inwardly directed terminal roll 7 not only serves as a seat for the shoulder 12 of

the cover, or for the interposed sealing gasket 14, but also affords a convenient finger hold adapted to be employed in effecting withdrawal and re-insertion of the container 6 with respect to the drum 1.

What is claimed is—

1. A dual container comprising an outer receptacle having at an end thereof an outwardly turned rim and having intermediate its ends an internal annular seat, a receptacle nested within said outer receptacle and having the outer annular edge portion of its bottom resting upon said seat, the inner receptacle having an internal annular terminal rim located below the level of the rim of said outer receptacle, and a cover removably mounted in seated relation to and forming a seal with both of said rims.

2. A dual container comprising an outer receptacle having at an end thereof an outwardly turned rim and having intermediate its ends an internal annular seat, a receptacle nested within said outer receptacle and supported by said seat, the inner receptacle having a rim located below the level of and inwardly with respect to the rim of said outer receptacle, and a cover removably mounted in closing relation to both of said receptacles, said cover having a rim occupying overlying attached relation to the rim of said outer receptacle and having an offset shoulder seated on the rim of the inner receptacle.

3. A dual container comprising an outer receptacle having at an end thereof an outwardly turned rim and having intermediate its ends an internal annular seat, a receptacle nested within said outer receptacle and having the outer annular edge portion of its bottom resting upon said seat, the inner receptacle having an inwardly turned rim located below the level of the rim of said outer receptacle, and a cover removably mounted in seated closing relation to both of said receptacles, said cover having a gasket-carrying rim overlying and attached to the rim of said outer receptacle and also having therein an offset gasket-carrying shoulder seated upon the rim of said inner receptacle.

4. A dual container comprising an outer receptacle having at an end thereof an outwardly turned rim and having intermediate its ends an internal annular seat, a receptacle nested within said outer receptacle and supported by said seat, the inner receptacle having an inwardly turned rim located below the level of the rim of said outer receptacle, and a cover removably mounted in seated closing relation to both of said receptacles, said cover having a rim portion providing a downwardly facing channel within which the rim of said outer receptacle is received, said cover also having therein an offset gasket-carrying shoulder resting upon and forming a seal with the rim of said inner receptacle.

5. A dual container comprising an outer receptacle having an inwardly bent rib spaced from the top thereof, an inner receptacle supported within the outer receptacle by said rib, a cover closing the container, and sealing means for preventing leakage from said receptacles.

6. A dual container comprising an outer drum having an internal rib spaced from the top thereof and shaped from the material of the drum, an inner drum positioned in the outer drum by said internal rib, and a cover sealing the container.

7. A dual container comprising an outer drum having an inwardly bent rib spaced from the top thereof, an auxiliary drum nested in the outer drum and resting against said rib, a cover for the container, and sealing means for preventing leakage past said cover from either the outer or the auxiliary drum.

8. A dual container comprising an outer receptacle having an internal rib spaced from the top thereof and a rolled upper edge, an inner receptacle positioned with the outer receptacle by said rib and having a rolled upper edge, a cover closing the container, and sealing means cooperating with said rolled upper edges for preventing leakage.

9. A dual container comprising an outer drum having a rolled upper edge, an auxiliary drum nested in the outer drum and having a rolled upper edge, a cover for the container, and a pair of gaskets, one interposed between each rolled edge and the cover for sealing the drums.

10. A dual container comprising an outer receptacle having formed integrally therewith a support, an inner receptacle within the outer receptacle resting against said support, a cover closing the outer receptacle, and sealing means for preventing leakage from one receptacle to the other.

11. A dual container comprising an outer drum having a stop spaced from the top thereof and shaped from the material of the drum, an inner drum positioned in the outer drum by said stop, said inner drum having a rolled upper edge, a cover for the outer drum, and sealing means for preventing leakage past said rolled upper edge from one drum to the other.

12. A dual container comprising an outer receptacle having a stop spaced from the top thereof, an inner receptacle positioned within the outer receptacle by said stop, each of said receptacles having a rolled upper edge, a cover for the container, and sealing means cooperating with the cover and said rolled upper edges for preventing leakage.

13. A dual container comprising an outer receptacle, a cover therefor, an inner receptacle nested in the outer receptacle and having a rolled upper edge, and a gasket interposed between said rolled upper edge and the cover for preventing leakage from one receptacle to the other.

In testimony whereof, I affix my signature.

CHARLES H. ROLLASON.

CERTIFICATE OF CORRECTION.

Patent No. 1,909,635. May 16, 1933.

CHARLES H. ROLLASON.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 1, line 13, for "read-mixed" read "ready-mixed"; page 2, lines 17 and 18, claim 1, for "a seal with both of" read "separate and independent seals with"; and line 87, claim 8, for "with" read "within"; and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 8th day of August, A. D. 1933.

M. J. Moore.

(Seal) Acting Commissioner of Patents.