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W. E. J. CROSSBY ET AL

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RECEPTACLE

Filed Nov. 21, 1927

Fig.1.

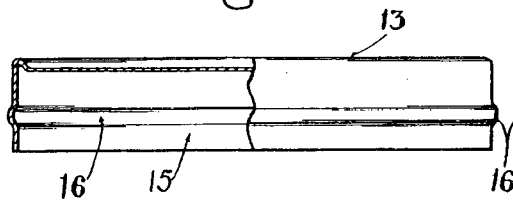


Fig.3.

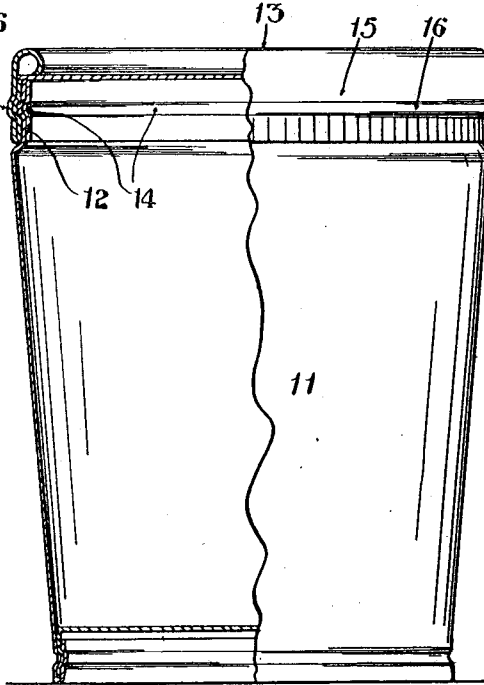
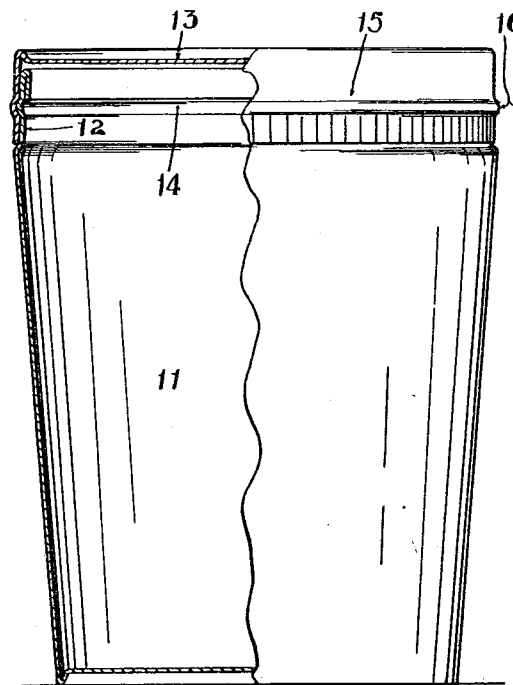
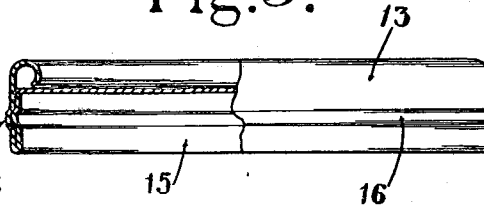


Fig.2.

Fig.4.

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RECEPTACLE

Application filed November 21, 1927, Serial No. 234,753, and in Great Britain August 26, 1926.

This invention relates to cartons, and other receptacles of the kind provided with a depressed rim to receive a replaceable cap-fitting lid, the chief object being to ensure of a tight cap-fitting lid. It has been found that with lids of the above type the lower portion of the flange or rim of the lid tends to remain open after passing the bead on the rim of the container.

According to the invention, the cap-fitting lid is serrated, corrugated or crimped around the lower portion of the rim so as to make the latter of slightly smaller diameter at the lower edge than the top of the carton, or other container after the lid has been applied. In carrying the invention into effect, the cap-fitting lid may be applied to the carton, or other container and the lower portion of the rim of the lid then sealed in position by means of a serrating, corrugating or crimping tool.

The depressed rim or flange of the body portion of the container on or over which the lid fits may be formed or provided with an embossed bead or the like extending around the rim and projecting sufficiently therefrom to afford an increased grip or hold on the flange of the lid when the latter is applied. The bead embossed in the swaged rim of the body of the container may also be used in conjunction with a groove in the rim of the lid.

In order that the invention may be clearly understood and readily carried into effect, the same will now be more fully described with reference to and by the aid of the accompanying drawings; wherein:—

Figures 1 and 2 illustrate in part sectional side elevation respectively a cap-fitting lid before application to a receptacle, and the same lid applied to the receptacle and having the lower portion of its rim serrated, corrugated or crimped.

Figures 3 and 4 are similar views to Figures 1 and 2, but illustrating a further modification of cap-fitting lid for a container.

Referring to the drawing which shows the application of the invention to paper mâché and the like containers 11 of the kind having a depressed rim or neck 12 adapted to receive

a cap-fitting lid 13 formed with an embossed annular bead or the like 14 which is adapted to afford an increased hold on the flange 15 of the lid 13 by its co-operation with an annular groove 16 formed in the latter, the corrugations or crimpings applied to the lid, flange or rim 15 disposed below the groove 16 serve to grip the rim or neck 12 of the container after the lid 13 has been applied. The embossed beads 14, 16 may be formed by any appropriate embossing tool or disc during or after the manufacture of the container 11 and lid 13. In some cases both a bead and a groove may be formed on both the lid and the swaged rim of the body of the container.

The form of lid shown in Figures 3 and 4 is slightly different from that of Figures 1 and 2, the flange of the latter being shown as a single thickness, whereas in the form of Figures 3 and 4, the flange is bent upon itself so that it is of double thickness.

In both forms, however, as previously described, the lower portion of the flange is, by any suitable means, corrugated or crimped inward beneath the bead 14 after it has been passed over that bead in positioning the lid on the receptacle. The effect of this crimping, which as shown, does not extend above the bead, is to cause the lower portion of the lid flange to closely grip the body of the receptacle instead of as heretofore remaining spaced therefrom or in the position it has been caused to assume in passing over the bead 14 when the lid is being applied to the receptacle.

We claim:—

A receptacle comprising a body open at one end and having about its open end a depressed rim or flange provided exteriorly with an annular bead, and a lid including an end and a flange adapted to fit about the body flange and provided with a recess to receive the said bead on the body flange, the lower edge of the lid flange being crimped inward beneath the said bead and uncrimped above the bead, for the purpose described.

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