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J. S. TRECARTIN

2,145,143

MOLDED CONTAINER OR RECEPTACLE

Filed May 4, 1935

Fig. 1.

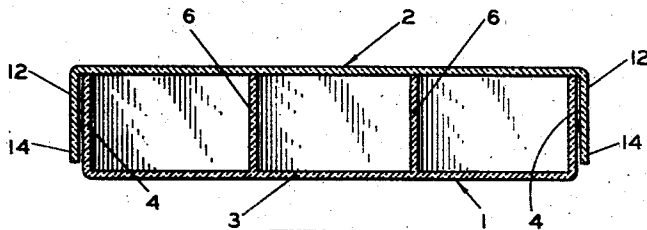
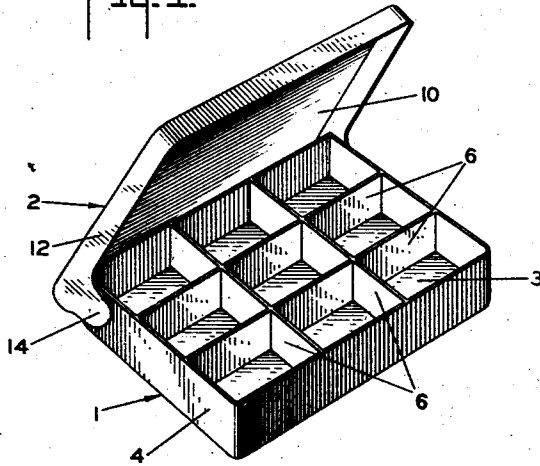


Fig. 2.

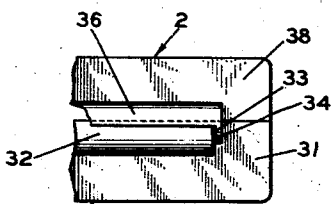


Fig. 5.

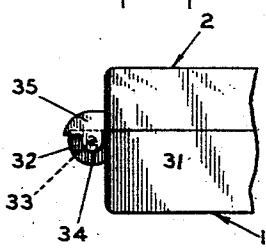


Fig. 6.

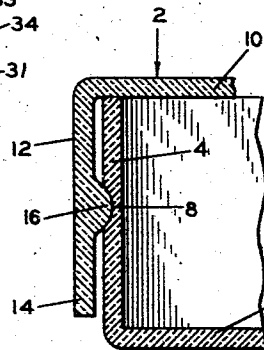


Fig. 3.

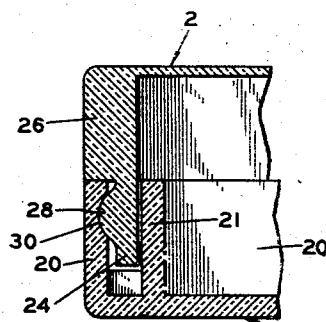


Fig. 4.

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MOLDED CONTAINER OR RECEPTACLE

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Application May 4, 1935, Serial No. 19,895

2 Claims. (Cl. 217-57)

This invention relates to receptacles or containers, particularly such as are used for packaging small articles and it is an object of this invention to provide a receptacle or container of the type described, the parts of which are molded of a suitable thermal setting plastic molding material and which are provided with partitions and hinge portions formed integral with the receptacle parts during the molding thereof.

In the drawing which shows a container or receptacle constructed in accordance with this invention, and which illustrates but one of the many forms this invention may take,

Fig. 1 is a perspective view of a receptacle or container with the lid or cover in raised position;

Fig. 2 is a central vertical longitudinal section of the container of Fig. 1 with the lid in closed position;

Fig. 3 is a partial vertical longitudinal section of the container of Fig. 1 with the lid closed, the section being taken at the hinge and drawn to a larger scale;

Fig. 4 is a view similar to Fig. 3 showing a hinge of modified construction; and

Figs. 5 and 6 are partial views in rear and side elevation, respectively, showing a further modification of the hinge structure.

As shown in the drawing a receptacle or container constructed in accordance with this invention comprises a lower or base portion 1 and an upper or cover portion 2, each molded as a unit of a suitable thermal setting plastic molding material. The base portion 1 comprises a bottom 3 having a continuous peripheral flange 4 forming the sides and ends of the base portion and partitions 6 extending parallel to both the sides and ends so as to divide the base portion into a plurality of rectangular compartments, the flange 4 and the partitions 6 being formed integral with the bottom 3 during the molding of the base portion 1. At directly opposite points the flange 4 is formed during the molding thereof with outwardly opening recesses 8 which form part of the hinges joining the cover 2 and base 1.

The cover 2 comprises a top 10 having a continuous peripheral flange 12 forming sides and ends thereof which overlap the sides and ends of the base 1 and at points on the flange 12 corresponding to the recesses 8 in the flange 4, the flange 12 is extended to form ears or hinge portions 14 having inwardly projecting bosses or abutments 16 which interlock with the recesses 8 and together therewith form hinges which secure the base 1 and cover 2 together. The por-

jection of the bosses or abutments 16 is small and the elasticity of the parts sufficient to permit of the parts being separately formed and snapped together after the parts have fully set. While the recesses 8 and abutments 16 cause the receptacle parts to interlock with the molds, the elasticity of the material is sufficient to permit of the parts being readily removed from the molds.

In the structure shown in Fig. 4 the peripheral flange 20 of the base section 1 is partly cut away on one side of the base section and adjacent each end of that side. At the cut-away portions the flange 20 is thickened forming abutments 21 which extend from the bottom to the top of the flange and reinforce the flange. The abutments 20 and the adjacent portions of the flange form the sides of openings which receive the hinge lugs 24 formed integral with the peripheral flange 26 on the cover section 2. The hinge lugs 24 are provided with hinge abutments 28 formed integral therewith which engage in recesses 30 formed in the flange 20 of the base section 1 but the abutments 28 and recesses 30 may be interchanged if desired.

In the modification shown in Figs. 5 and 6 the flange 31 of the base section 1 has a portion 32 extending along one side of the base section 1 which portion is of substantially semi-cylindrical shape and projects outwardly beyond the remainder of the flange on that side of the base section. The ends of the semi-cylindrical portion 32 are flat and are recessed to receive abutments 33 on downwardly extending lugs or ears 34 formed integral with flat sections 35 which close the ends of a corresponding substantially semi-cylindrical portion 36 of the peripheral flange 38 of the cover section 2. The semi-cylindrical portion 36 is of sufficient radius to pass outside of the portion 32 of the flange 31 when the box or container is opened and is so positioned as to overlie the portion 32 when the box is closed.

The base sections 1 of the receptacles shown in Figs. 4, 5 and 6 will be provided with partitions formed integral therewith during the molding of the sections and the partitions may be arranged as shown in Fig. 1 or in any other manner most suitable for the purpose to which the receptacle is to be put.

A container or receptacle constructed in accordance with this invention can be readily made in ornamental colors and shaped or arranged for various uses or to receive various commodities and while particular shapes and arrangements have been shown it is to be understood the in-

vention is not limited to such shapes or arrangements.

What is claimed is—

- 5 1. In a container, a base section having a bot-
tom, a peripheral flange thereon, a projection
extending from said peripheral flange and hav-
ing flat end portions provided with recesses to
receive hinge abutments; and a cover section
10 having a top, a peripheral flange thereon, and a
resilient projection extending from the periph-
eral flange of the cover section, said projection
having end walls provided with hinge abutments
adapted to enter the recesses in the ends of the
projection on the base section.
- 15 2. In a container, a base section having a bot-
tom, a peripheral flange thereon, a projection of

substantially semi-cylindrical transverse cross-
section extending from said peripheral flange
with the axis of said projection extending sub-
stantially parallel to said flange, said projection
having flat end portions provided with recesses
to receive hinge abutments; and a cover section
5 having a top, a peripheral flange thereon, and a
resilient projection extending from the periph-
eral flange of the cover section, said projection
having a hollow portion overlying the substan-
tially semicylindrical projection on the base sec-
tion and having end walls provided with hinge
abutments adapted to enter the recesses in the
ends of the projection on the base section.

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