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TWO-PART PLASTIC CONTAINER

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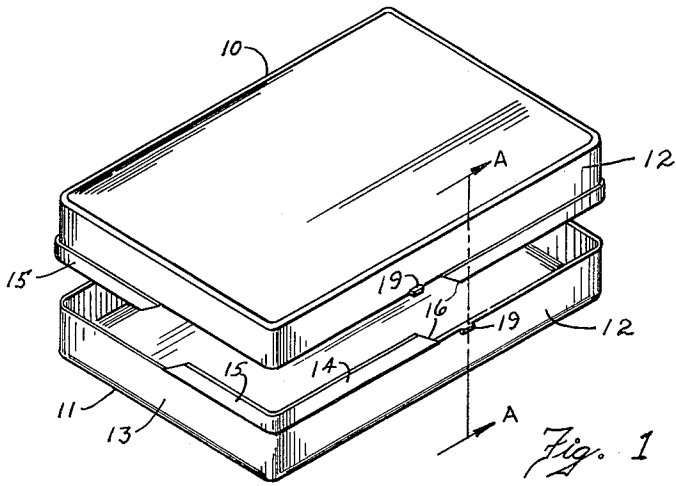


Fig. 2

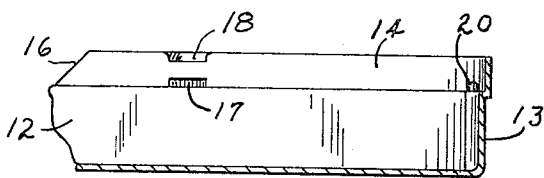
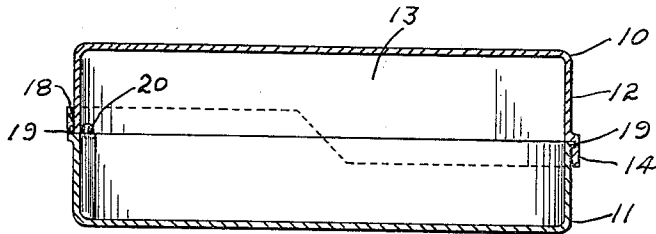


Fig. 3

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TWO-PART PLASTIC CONTAINER

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1 Claim. (Cl. 220-4)

This invention relates to containers and receptacles.

An object of the invention is to provide a simple, practical and inexpensive container of the character described.

Another object of the invention is to provide a novel container which comprises a pair of separable molded sections which are identical, whereby the sections may be formed from a single mold.

Another object of the invention is to provide a two-part molded container having novel means for detachably securing the sections together.

An additional object of the invention is to provide an improved container having two separable sections having unique interfitting wall formations resulting in an apparent continuous wall.

Other objects and advantages will appear and be brought out more fully in the accompanying drawing wherein:

FIGURE 1 is a perspective view of the container of this invention shown with the two halves in separated juxtaposed position.

FIGURE 2 is a sectional view taken along the line A-A of FIGURE 1 with the parts in closed position.

FIGURE 3 is a partial sectional view of one of the container sections.

Referring more particularly to the drawing, the container of this invention comprises two identical sections 10 and 11, formed by molding of a thermo-plastic or thermo-setting or rubber material or the like, such as polystyrene. Each section has main side walls 12 and end walls 13. Auxiliary walls 14 and 15 extend upwardly from main walls 12 and 13 at a pair of diagonally opposite corners of the sections, and the ends of these auxiliary walls are beveled at 16. Auxiliary walls 14 and 15 are of a length precisely one-half of the length of the respective main walls.

Auxiliary walls 14 are each formed with a groove or recess 17 on the inner side thereof, and the upper edge of each auxiliary wall above groove or recess 17 is formed with a bevel 18. A nib 19 is formed on and extends outwardly from each side wall 12 near the edge thereof and positioned so as to be aligned with groove 17 of the complementary section of the container, and a post-like abutment 20 extends upwardly along the inner surface of main

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wall 12 or 13, preferably at the intersection thereof, to serve as a guide to effect interfitting neck of the main wall of the complementary section when the container sections are in closed relation.

5 Assembly and separation of the container sections should be clear from FIGURES 1 and 2, and it will be apparent that the side walls 12 have a sufficient degree of flexibility so that when the two sections are brought together nibs 19 will, when being moved into engagement in recesses 17, flex the complementary auxiliary wall 14, this action being expedited by bevels 18. When the container sections are in interengaged relation, a main wall portion will be disposed between abutments 20 and auxiliary walls 14, and perfect alignment of the sections will result. The sections may be separated by the application of inward pressure applied above nibs 19 on the opposite sides of main wall 12 of one of the sections, for example, section 10 whereby the nibs of this section will be released from grooves 17 of the complementary section 11, and the two sections readily separated.

20 From the foregoing description it will be clear that the hereinabove objects and advantages of this invention have been achieved, however, changes and modifications may be made without departing from the spirit and scope of the sub-joined claim.

25 Having described my invention, what I claim is:

A container comprising two identical, separable, flexible, resilient molded plastic rectangular sections fitting together in mutual telescopic relation, each section having a continuous main wall and a pair of auxiliary walls at diagonal corners, the main walls of said sections being in aligned abutting relation, said auxiliary walls being offset outwardly and each extending substantially halfway along two converging sides of said main wall, the ends of said auxiliary walls being beveled and being in aligned abutting relation with the corresponding auxiliary wall ends of the complementary section when the sections are fitted together, there being a post-like abutment on the inner side of each main wall at said diagonal corners and extending beyond the edge thereof to effect alignment of said sections when being assembled, and nib and socket means for locking said sections together.

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