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52 may be provided on wall 36 on opposed sides of tabs 44 to make wall 36 more flexible in the areas of tabs 44. Each tab 44 preferably has a clockwise-facing abutment face 54 (in the orientation of FIGS. 9 and 12) and an angulated partially counterclockwise-facing cam face 56. In the exemplary embodiment of the disclosure illustrated in the drawings, there preferably is an annular wall 48 that extends from base wall 34 of lid 14 for plug-sealing engagement within cylindrical wall 22 of base 12, as best seen in FIG. 3. Lid 14 may also include, in addition to or instead of plug seal wall 48, an annular bead 50 that extends from base wall 34 for sealing engagement with the end surface 26 of cylindrical wall 22 on base 12. Wall 48 and bead 50, when provided, preferably are coaxial with wall 40.

To assemble the package, and after tablets or the like are placed within cylindrical wall 22 of base 12, lid 14 is threaded onto base 12 until edge 38 of peripheral wall 36 is in aligned end-wise abutment with the edge 20 of peripheral wall 18. During the final threading of lid 14 onto base 12 and just before the edges of the peripheral walls are brought into engagement, cam surfaces 56 of locking tabs 44 on lid 14 engage and ride over cam surfaces 30 of locking projections 28. Tabs 44 and the surrounding sections of peripheral wall 36 are resiliently flexed inwardly by surfaces 30 of projections 28 until tabs 44 snap behind abutment surfaces 32 of projections 28. Tabs 44 preferably are diametrically opposed to each other as best seen in FIG. 6, which is why locking projections 28 preferably are slightly offset from each other as best seen in FIG. 5. To remove lid 14 from base 12, peripheral wall 36 of lid 14 is resiliently flexed inwardly by manual squeezing of the opposing sections of peripheral wall 36 marked by grooves or ribs 46. When tabs 44 clear projections 28, lid 14 may be unthreaded to obtain access to the product within cylindrical wall 22 of base 12. After the base is filled with product and the lid applied by a packager, an external label 52 (FIG. 1) preferably is applied at least from base wall 34 of lid 14 around abutting sections of peripheral walls 36, 18 and onto base wall 16 of base 12. Label 52 must be severed, such as along the parting line between the lid and base illustrated in phantom in FIG. 1, to permit unthreading of the lid and base from each other. This severing or tearing of the label provides an indication that the package has been opened.

There thus has been disclosed a child-resistant package that fully satisfies all of the objects and aims previously set forth. The disclosure has been presented in conjunction with an exemplary embodiment, and a number of modifications and variations have been described. Other modifications and variations readily will suggest themselves to persons of ordinary skill in the art in view of the foregoing discussion. The disclosure is intended to embrace all such modifications and variations as fall within the spirit and broad scope of the appended claims.

The invention claimed is:

1. A child-resistant package that includes:

a first element having a base wall with a rectangular periphery, a continuous peripheral wall extending around said periphery, at least a pair of locking projections internally disposed on opposed sections of said peripheral wall, and a cylindrical wall extending from said base wall in the same direction as said peripheral wall of said first element and within said peripheral wall of said first element and having at least one first thread segment, and a second element having a base wall with a rectangular periphery and a continuous peripheral wall extending around said rectangular periphery, a pair of locking tabs centrally extending from opposed sections of said peripheral wall, and a cylindrical wall extending from

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said base wall in the same direction as said peripheral wall of said second element and within said peripheral wall of said second element and having at least one second thread segment,

5 said second element being threadable onto said first element by means of said cylindrical walls and said first and second thread segments to bring said peripheral walls into aligned abutment and said locking tabs into engagement with said locking projections to resist unthreading of said elements,

said peripheral wall of said second element being inwardly flexible and resilient adjacent to said locking tabs to move said locking tabs inward from said locking projections so that said elements can be unthreaded.

2. The package set forth in claim 1 wherein one of said first and second elements includes an annular wall for plug-sealing receipt within the cylindrical wall of the other element.

3. The package set forth in claim 1 wherein one of said first and second elements has an annular bead on said base wall for opposed sealing contact with an axial end surface of the cylindrical wall of the other element.

4. The package set forth in claim 1 wherein each of said elements includes plural thread segments on the associated cylindrical walls, and wherein said first element has locking projections internally disposed on all four sections of said peripheral wall.

5. The package set forth in claim 1 wherein said rectangular peripheries are square and identical.

6. The package set forth in claim 1 wherein said at least a pair of locking projections includes a locking projection internally disposed on each section of said peripheral wall of said first element.

7. The package set forth in claim 1 wherein said at least a pair of locking projections are centered but offset from one another.

8. The package set forth in claim 1 wherein said first element cylindrical wall has a free end for engagement against said base wall of said second element.

9. The package set forth in claim 1 wherein said package is a compact-style package, said first element is a compact-style first element, and said second element is a compact-style second element.

10. The package set forth in claim 1 including a label extending at least from said base wall of said second element around abutting sections of said peripheral walls onto said base wall of said first element, such that said label must be severed to permit unthreading of said elements to provide tamper indication for said package.

11. The package set forth in claim 10 wherein said base walls are substantially flat.

12. The package set forth in claim 1 wherein said locking projections have cam surfaces for camming said locking tabs inwardly as said first and second elements are threaded to each other, and abutment surfaces for engagement by said locking tabs to resist unthreading of said elements absent inward flexure of said peripheral wall of said second element.

13. The package set forth in claim 12 wherein said locking tabs have cam surfaces for engaging said cam surfaces on said locking projections and abutment surface for engaging said abutment surfaces on said projections.

14. A child-resistant package that includes:

a first element having a base wall with a rectangular periphery, a continuous peripheral wall extending around said periphery, at least a pair of locking projections internally disposed on opposed sections of said peripheral wall, and a cylindrical wall extending from said base wall in the same direction as said peripheral wall of said first