

in said first groove upon relative rotation between said first and second bodies said detents enter into said locking grooves and then upon a combination of relative longitudinal and rotational movement said detents enter said extensions whereby relative rotational movement between said first and second bodies is blocked.

14. Container of adjustable length for packing elongated objects of variable lengths, comprising a first elongated cylindrically shaped tubular body and a second elongated cylindrically shaped tubular body, each of said first and second bodies being closed at one end and open at the other end, said first and second bodies arranged to be fitted one into the other in a telescoping fashion and said first and second bodies being rotatable relative to one another about their longitudinal axes, wherein the improvement comprises that the open end of said first body fits within the open end of said second body with its outer surface in juxtaposition to the inner surface of said second body, said first body has a first groove formed inwardly into its outer surface and disposed parallel to its longitudinal axis and extending from its open end toward its closed end, a plurality of second grooves formed inwardly from the outer surface of said first body and extending transversely of and opening from said first groove with said second grooves spaced equidistantly apart along said first groove, said first groove having a pair of longitudinally extending sides and a bottom extending between said sides, said second grooves each having a pair of sides and a bottom extending between said sides of said second groove, and at least one detent projecting inwardly from the inner surface of said second body adjacent the open end thereof and said detent shaped and arranged to pass in sliding relationship through said first groove in said first body when said first and second bodies are fitted together in a telescoping fashion and upon relative rotation of said first and second bodies about their longitudinal axis to pass into one of said second grooves in interlocking engagement therewith for effecting a locking engagement of said first and second bodies so that a variable overall length of the packing container can be provided by selectively engaging said detent of said second body into one of said second grooves of said first body so that the overall length between the closed ends of said first and second bodies corresponds closely to the length of the object to be packaged, means formed in said first body at the openings between said first groove and said second grooves for providing a resistance for the movement of said detent into and out of said second grooves, said sides and bottom of said second grooves having a shape complementary to the shape of said detent for gripping said detent means when it is moved into one of said second grooves, and means located within said first body spaced axially from the open end thereof for laterally positioning an object within the container.

15. Container, as set forth in claim 14, wherein said bottom of said first groove is spaced inwardly from the inner surface of said first body, and the bottom of said first groove and the bottoms of said second grooves forming a continuous surface concentric with the outer surface of said first body.

16. Container, as set forth in claim 15, wherein said first groove having at least one of its longitudinally extending sides tapering inwardly from the open end of said first body for facilitating the introduction of said detent into said first groove.

17. Container, as set forth in claim 15, wherein said means for laterally positioning said object comprising an annular disk having a central opening arranged to receive the object being packaged and having an outer circumferential periphery conforming to the shape of

the interior of said first body including the shape of said first groove and said second grooves so that said disk can be inserted into said first body from the open end thereof.

18. Container, as set forth in claim 17, wherein protrusions are formed inwardly in said first body for holding said annular disk in position against displacement toward the open end of said first body.

19. Container, as set forth in claim 17, wherein said annular disk has a cup-shaped flange extending around its outer circumferential periphery and said flange arranged to extend from said annular disk toward and into contact with the closed end of said first body so that said annular disk is spaced from said first body.

20. Container, as set forth in claim 15, wherein the outer surface of said first body is in sliding contact with the inner surface of said second body when said first and second bodies are fitted together in a telescoping fashion.

21. Container, as set forth in claim 15, wherein the outer surface of said first body is spaced inwardly from the inner surface of said second body, and said second body has a collar at its open end with the inner surface of said collar spaced inwardly from the inner surface of said second body so that the inner surface of said collar contacts the outer surface of said first body in sliding relationship.

22. Container, as set forth in claim 15, wherein a plurality of said detents are formed in said second body spaced equidistantly apart at the same spacing as said second grooves with said detents arranged in alignment in the axial direction of said second body for passage through said first groove in said first body.

23. Container, as set forth in claim 22, wherein the surface of said detents extending inwardly from said second body is circular and said circular surfaces are frusto-conically formed converging inwardly from said second body toward the longitudinal axis of said second body.

24. Container, as set forth in claim 15, wherein each of said second grooves has an extension spaced laterally from said first groove and parallel with the longitudinal axis of said first part, and the width and depth of said extension being formed complementary to the corresponding dimensions of said detents and being arranged to receive and secure said detents so that said first and second parts are secured against relative rotation.

25. Container, as set forth in claim 15, wherein said first groove is shaped at its inlet opening at the open end of said first body with at least one side of said first groove converging inwardly from the open end to provide a lead-in arrangement for said detents, the dimension of the inlet opening at the open end being greater than the corresponding dimension in the range of said second grooves.

26. Container, as set forth in claim 15, wherein said means for laterally positioning an object comprises an annular disk having a central opening therethrough and arranged to be positioned within said first body, the outer circumferential periphery of said annular disk having a cut-out to permit its passage around said first and second grooves extending inwardly into said first body, the central opening in said annular disk having a shape arranged to conform to the lateral configuration of the object to be packed within the container.

27. Container, as set forth in claim 15, wherein said means for providing a resistance at the opening between said first groove and said second grooves comprises a ridge-like projection from the common bottom of said first and second grooves.