H. A. KLING.

DISPENSING CONTAINER FOR SHAVING SOAP, &c.

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1,177,252.

Patented Mar. 28, 1916.

Fig. 1,

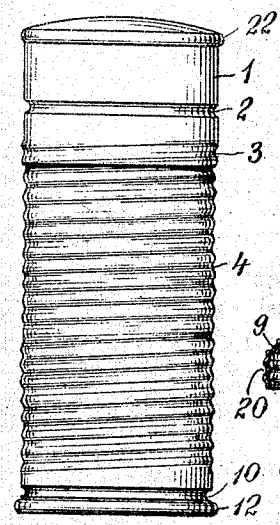


Fig. 2,

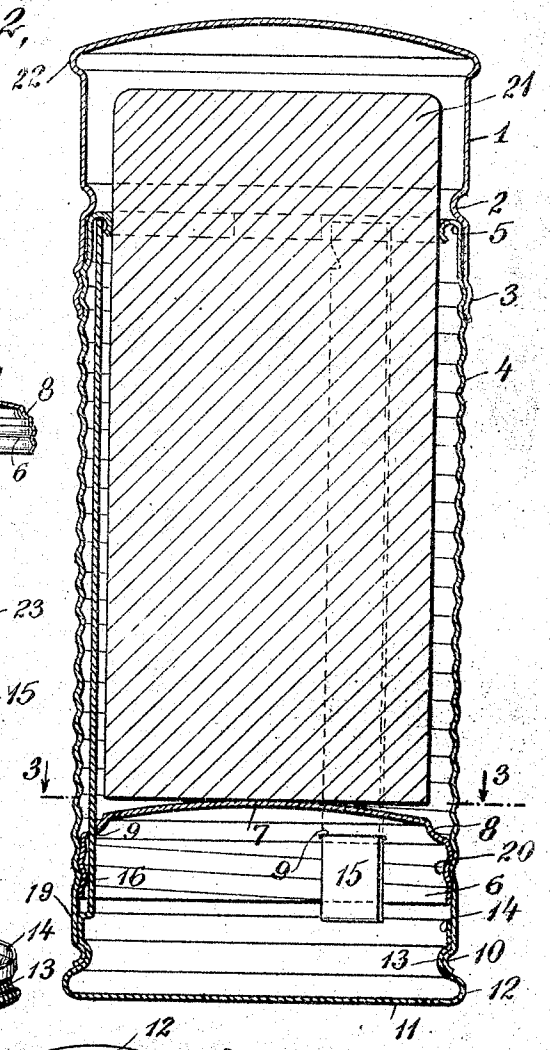


Fig. 6,

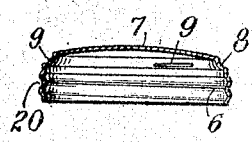


Fig. 7,

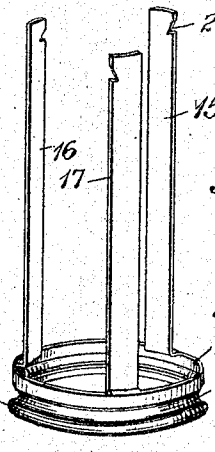


Fig. 4

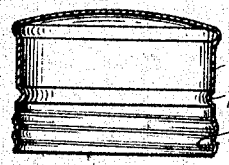


Fig. 5,

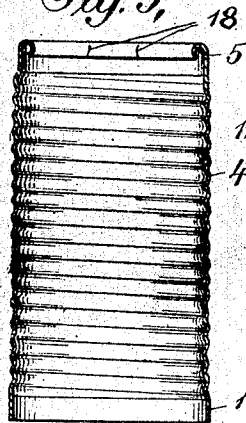
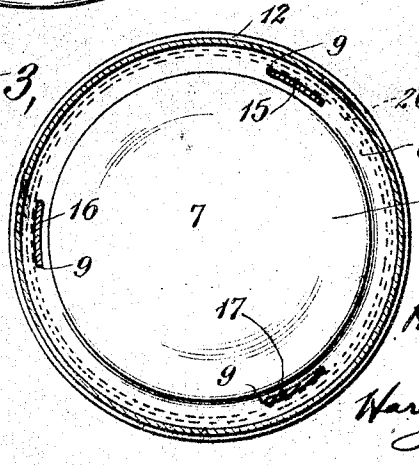


Fig. 3,



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DISPENSING-CONTAINER FOR SHAVING-SOAP, &c.

1,177,252. Specification of Letters Patent. Patented Mar. 28, 1916.

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To all whom it may concern:

Be it known that I, HERBERT A. KLING, a citizen of the United States, and resident of Westwood, Bergen county, State of New Jersey, have invented a certain new and useful Invention Relating to Dispensing-Containers for Shaving-Soap, &c., of which the following is a specification, taken in connection with the accompanying drawing, which forms part of the same.

This invention relates especially to a feeding soap box or dispensing container adapted for use with sticks of shaving soap or the like and preferably comprising a sheet metal threaded casing having at its upper portion a cylindrical alining tip and inturned gripping flange to engage the article, a follower having a threaded base coöperating with the threads in the casing and a feeder bottom revolubly connected to the lower end of the casing as by locking groove and bead and having feeder arms extending through slots in the follower, and a suitable cover closing the upper end of the casing and having, if desired, a threaded connection therewith.

In the accompanying drawing showing in a somewhat diagrammatic way an illustrative embodiment of this invention, Figure 1 is a side elevation. Fig. 2 is an enlarged sectional elevation. Fig. 3 is a transverse section taken along the line 3—3 of Fig. 2. Fig. 4 is a vertical section of the cover. Fig. 5 is a corresponding view of the body or casing before assembly. Fig. 6 shows on a corresponding scale in vertical section the follower, and Fig. 7 the feeder bottom in perspective.

In the illustrative embodiment of the invention shown in the drawing the casing or container body 4 may be formed of nickel plated brass or any other suitable material and may be stamped or drawn in the usual way to form a seamless tube in which suitable screw threads or helical corrugations may be spun or rolled. The upper end of the casing is preferably made of somewhat smaller diameter and given a smooth cylindrical shape for sufficient distance to form an alining tip and the extreme upper end may be bent or spun inward into the form of a guiding or gripping flange 5 to firmly engage or grip the article 21 such as a cake of shaving soap or the like, it being desirable in some cases to form separated slits such as 18 in the inner edge of this flange so as to increase its resiliency.

A suitable follower preferably formed of sheet metal so as to have the convex top 7 for contact with the central portion of the article may be formed with a beveled portion 8 adjacent its outer edge and with a base 6 having formed therein threads 20 of such character as to properly coöperate with the threads in the casing. When this follower is rotated with respect to the casing in any desired way it is gradually fed up through the casing by the coöperating threads on these parts so as to feed the article out of the upper end of the casing and compensate for its use. This may be conveniently done by having a suitable feeder bottom revolubly mounted at the lower end of the casing and having suitable operating connections with the follower to effect its rotation. This feeder bottom 11 may be stamped or drawn out of similar sheet metal so as to preferably have formed thereon the desired number of feeder arms which may be integral therewith in some cases. As shown in Figs. 3 and 7 three such feeder arms 15, 16, 17 are shown as formed integral with the feeder bottom and connected with its upper portion which is preferably given the form of a guide flange 14 fitting within the lower cylindrical portion 19 of the casing. These parts may be revolubly connected in any suitable way, as for instance by forming a locking groove 13 in the bottom above the lower bead 12 therein and forming a coöperating locking bead or flange 10 in the lower portion 19 of the casing. After these parts shown in Figs. 5 and 7 are brought together a suitable spinning or nurling tool may readily flange in this locking bead so as to permanently connect the parts. As shown in Figs. 2, 3 and 6 these feeder arms 15, 16 and 17 may extend just inside the threaded base 6 of the follower and pass through suitable feed slots or apertures 9 formed in the follower so as to positively rotate the follower in unison with the feeder bottom and thus screw it up gradually through the casing as the soap or other article is fed forward, the feeder arms loosely engaging the article and maintaining it in substantial alinement when three or more feeder arms are used, although two such arms are sufficient for a suitable feeding connection and somewhat minimize

cost of manufacture. The upper ends of these feeder arms are preferably located within the gripping flange 5 which serves to keep them in proper alinement and if desired one or more suitable non-return notches, such as 23, may be formed in each of these feeder arms adjacent the upper end of the same so that when the follower has been forced up to its full extent the backward movement of the feeder bottom such as would be necessary to screw the follower down again causes the follower to engage in these notches and thus lock the parts and prevent the retraction of the follower which is necessary to refill the container.

A suitable cover of any desired character may be used in connection with the casing and as shown this sheet metal cover 1 may have a convex top and projecting top bead 22 and if desired have an alining bead 2 in such position as to engage the gripping flange 5 when the parts are screwed together by the engagement of the threaded lower end of this cover with the threads on the casing 4. In assembling these parts the threaded portion of the cover and the adjacent cylindrical portion slip easily over the cylindrical alining tip of the casing so that the parts naturally fit together and in this way they are brought into substantially accurate longitudinal alinement which greatly promotes the proper engagement of the threads during this operation.

This invention has been described in connection with a number of illustrative embodiments, proportions, dimensions, parts, materials and arrangements and methods of manufacture, to the details of which disclosure the invention is not of course to be limited, since

What is claimed as new and what is desired to be secured by Letters Patent is set forth in the appended claims.

1. The dispensing container adapted for use with shaving soap or the like comprising a seamless sheet metal threaded casing having at its upper portion a cylindrical alining tip and an inturned gripping flange to engage the article, a cover having an alining bead to coöperate with said gripping flange and a downwardly extending cylindrical alining portion and a threaded lower end to engage the threads on the casing; a follower within said casing and having a convex upper surface and a threaded base coöperating with the threads in said casing, there being a series of feed slots in said follower; a feeder bottom revolubly connected to the lower end of said casing by a locking groove and bead and having three integral feeder arms extending through said slots in said follower and having upper ends located within said gripping flange at the upper end of said casing and non-return locking notches in the upper ends of said feeder arms to prevent retraction of said follower.

2. The dispensing container adapted for use with shaving soap or the like comprising a sheet metal threaded casing having at its upper portion an inturned guiding flange to engage the article, a cover having a threaded lower end to engage the threads on the casing, a follower having a convex upper surface and a threaded base coöperating with the threads in said casing, there being a series of feed slots in said follower, a feeder bottom revolubly connected to the lower end of said casing and having feeder arms extending through said slots in said follower and having upper ends located within said gripping flange at the upper end of said casing and non-return locking notches in the upper ends of said feeder arms to prevent retraction of said follower.

3. The dispensing container adapted for use with shaving soap or the like comprising a sheet metal threaded casing having its upper portion formed to engage and guide the article, a follower within said casing and having a convex surface to engage the article and a threaded portion coöperating with the threads in said casing, there being a series of feed slots in said follower, a feeder bottom revolubly connected to the lower end of said casing by a locking groove and bead and having integral feeder arms extending through said slots in said follower.

4. The dispensing container adapted for use with shaving soap or the like comprising a sheet metal threaded casing having its upper portion formed to engage and guide the article, a follower within said casing and having a threaded portion coöperating with the threads in said casing, there being a series of feed slots in said follower, a feeder bottom revolubly connected to the lower end of said casing and having feeder arms extending through said slots in said follower.

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