Oct. 9, 1923. 1,470,579

J. ROHDIEK

CONTAINER

Filed July 26, 1920

Fig. 1.

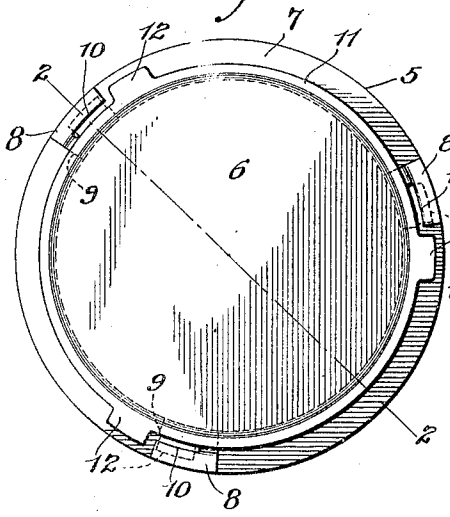


Fig. 2.

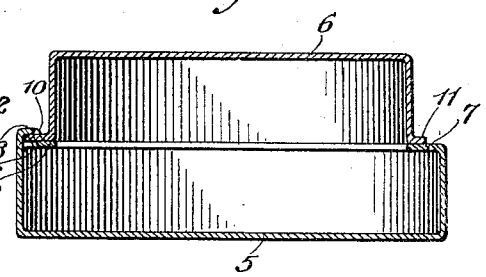


Fig. 3.

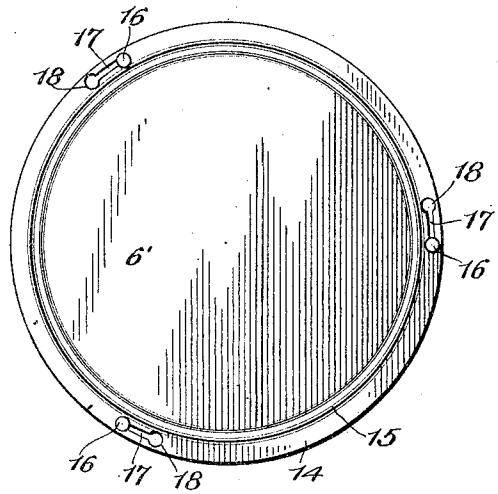
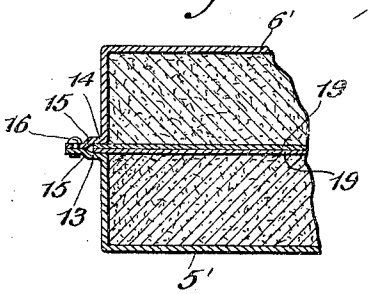


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN ROHDIEK, OF NEW YORK, N. Y., ASSIGNOR TO JACOB PFEIFFER, OF NEW YORK, N. Y.

CONTAINER.

Application filed July 26, 1920. Serial No. 398,871.

To all whom it may concern:

Be it known that I, JOHN ROHDIEK, a citizen of the United States, and resident of the city of New York, in the county and State of New York, have invented certain new and useful Improvements in Containers, of which the following is a description.

This invention relates to containers, and has for its primary object to provide a sectional container with simple and reliable means for detachably connecting the container sections to protect the contents thereof without requiring the provision of a separate closure for the open side of each section.

The present invention is particularly designed for the purpose of vending shoe polishes, and contemplates the provision of separable container sections, one of which may contain a tan polish, and the other a black polish, and said container sections having complementary coacting means on their marginal edges whereby the sections may be separably locked together to exclude dust or moisture from the interior of the container sections.

In one embodiment of my improvement I provide one of the container sections at its open side with an inwardly projecting annular flange, and from this flange a plurality of slotted resilient locking tongues are projected. The other section of the container is provided on its annular wall with a relatively narrow outwardly projecting flange adapted to seat upon the flange of the first section, and upon the tongues thereof, and having radially disposed lugs adapted for interlocking engagement in the slots of said tongues upon imparting relative turning movement in the container sections.

It is also the purpose of my invention to provide a container as above characterized, the parts of which may be readily stamped from sheet metal, and which can, therefore, be employed as a container for vendable commodities without greatly increasing the production or selling cost of such commodities.

With the above and other objects in view, the invention consists in the improved form, construction and relative arrangement of the several parts, as will be hereinafter more fully described, illustrated in the accompanying drawing, and subsequently incorporated in the subjoined claim.

In the drawing, wherein I have illustrated several satisfactory and practical embodiments of the invention, and in which similar reference characters designate corresponding parts throughout the several views:

Figure 1 is a plan view illustrating one construction of the container.

Figure 2 is a diametrical sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a plan view illustrating another form of the invention, and,

Figure 4 is a fragmentary vertical sectional view of the latter form of the device.

Referring in detail to the drawing, and more particularly to Figures 1 and 2 thereof, 5 and 6 respectively designate the container sections, each of which is stamped from a single metal sheet. The annular body wall of the section 5 of the container is provided upon its edge with the inwardly extending annular flange 7. At equi-distantly spaced points the tongues 8 are cut from this flange, and projected upwardly above the horizontal plane thereof. The free inner end portions 9 of these radially disposed tongues are angularly offset with respect to the outermost portions of the tongues, and normally these free end portions will be positioned with their upper surfaces slightly above the upper surface of the flange 7. At the bend in each tongue a longitudinal slot 10 is cut therein, said slot 10 being open at one end of the tongue, as clearly shown in Figure 1 of the drawing.

The other container section 6 is provided upon its annular body wall with a relatively narrow outwardly projecting annular flange 11, and this flange, at equidistantly spaced points, is formed with the radially disposed lugs 12.

In assembling the container sections, the section 6 is arranged in superposed relation to the section 5, and with the open sides of said container sections opposed. The narrow flange 11 of the section 6 is engaged upon the flange 7, and the inner ends 9 of the tongues 8, and a sufficient pressure is exerted against the section 6 to depress the inner ends of the tongues so that they will be disposed in a common plane with the flange 7, as seen in Figure 2. Thus it will be evident that the flange 11 has close contact upon the surface of the flange 7. By now turning the section 6 slightly with respect to the section 5 of the container, the

outwardly projecting lugs 12 will enter the slots 10 of the resilient tongues 8 and engage beneath the outer portions of said tongues. The inherent resiliency of the metal results in a constant tendency of the tongues 8 to return to their normal positions with respect to the flange 7. The upward frictional pressure of the offset ends 9 of these tongues against the upper side of the flange 11 creates a corresponding frictional binding contact of the lugs 12 against the under sides of the outer portions of the tongues 8. Thus it will be understood that the container sections are securely held in connected relation, and a casual reverse turning movement of the container sections, tending to release the lugs 12 from engagement in the slots 10, is obviated. Thus the container may be freely handled in unpacking a shipment, or in arranging the containers for display without liability of the accidental separation of the container sections.

It will also be observed that by reason of the peculiar construction of the interlocking connections for the container sections, the container is substantially dirt and moisture proof, and the contents of the container sections will, therefore, be protected against rapid deterioration.

In Figures 3 and 4 of the drawing I have illustrated a slightly modified embodiment of the device, wherein each container section 5′ and 6′ is provided upon its annular wall with narrow outwardly projecting flanges 13 and 14 respectively. These flanges have their outer edge portions offset, as at 15, out of the planes of the inner portions of the flanges, and the offset portion of the flange 13 has headed locking studs 16 fixed therein. The flange 14 of the other container section is provided with the key slots 17 at spaced points through the enlarged ends 18 of which the heads of the locking studs are adapted to be engaged. In this construction I have shown the contents of each container section covered by a sheet of paraffine paper or other protective material, as indicated at 19, and the marginal edges of these paper sheets extend between the inner portions of the flanges 13 and 14 of the container sections when the sections are locked together in assembled relation.

It will be readily understood from an inspection of the drawing that the sections of the container may be quickly connected by simply arranging the section 6′ in superposed relation to the section 5′ so that the headed studs 16 will pass through the enlarged ends of the key hole slots 17. By then turning the sections relative to each other the shank portions of these studs are positioned in the narrow ends of the slots 17, and with the heads of the studs bearing upon the upper face of the flange 14, as illustrated in Figure 3. Of course, a reverse turning movement of the container sections permits of their easy disconnection, so that the contents of either section becomes accessible.

From the foregoing description, considered in connection with the drawing, it will be seen that I have devised a very simple, serviceable and convenient sectional container which may be advantageously used for the vending of various commodities. Each of the illustrated embodiments of my invention is of such construction as to permit the same to be economically manufactured, and as the locking or connecting means for the container sections constitutes a permanent structural feature of the container, the possible loss thereof is precluded, so that the container sections may be easily and quickly assembled and connected to each other after each use of the contents thereof. It will, therefore, be appreciated that such a sectional container is particularly desirable as a receptacle or holder for different kinds of shoe polishes and analogous materials.

In the drawing I have illustrated the container as of cylindrical form, but it is apparent that the device might also be produced in various other shapes, and likewise in different sizes, as might be found most desirable in view of the particular use for which the container is to be employed.

While I have herein set forth the several essential features of the invention with more or less particularity, it is evident that the container might also be exemplified in numerous other alternative constructions, and I accordingly reserve the privilege of adopting all such legitimate changes and modifications as may be fairly embodied within the spirit and scope of the invention as claimed.

I claim:

A container comprising a pair of complementary sections, one of said sections having an inturned flange provided with tongues cut out therefrom at suitable intervals, said tongues being pressed upwardly from the plane of said flange and having their free under end portions offset downwardly from the upwardly pressed parts of the tongues, said free end portions having their upper surfaces slightly above the upper surface of said flange, said tongues being of resilient material, said tongues having longitudinal slots therein between the free ends and the pressed up portions, said slots being open at one end of the tongues, said other section having a relatively narrow flange adapted to rest upon the first mentioned flange and to be rotatable thereon, said last named flange having radially disposed lugs adapted to enter the slots in said tongues.

In testimony that I claim the foregoing as my invention, I have signed my name hereunder,

JOHN ROHDIEK.