Nov. 30, 1937. E. A. LENK 2,100,858

CONTAINER

Filed Sept. 23, 1935 2 Sheets-Sheet 1

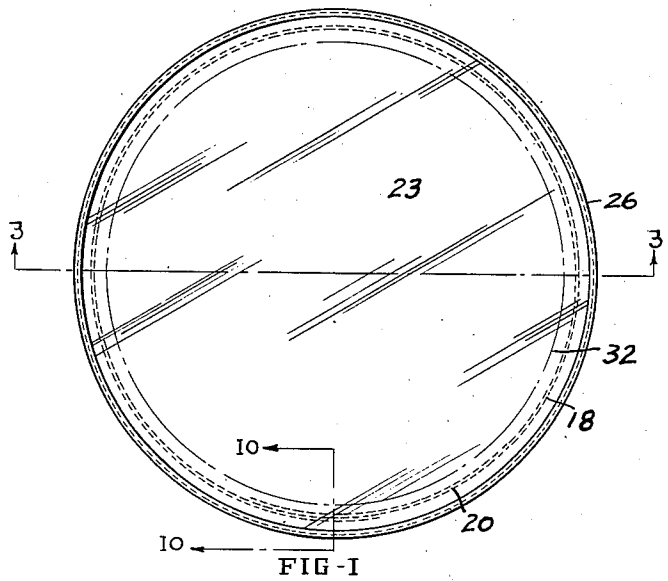


FIG-I

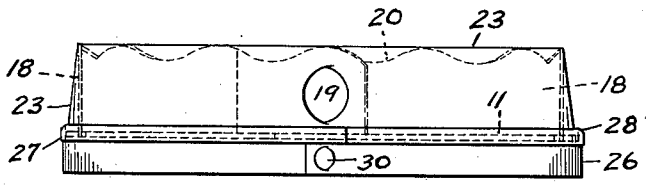


FIG-2

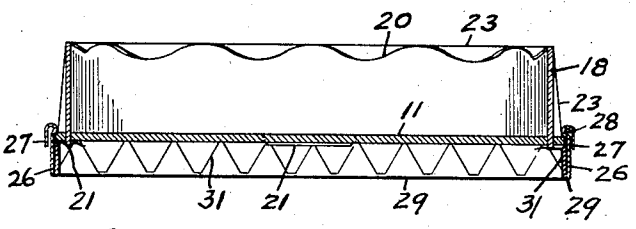


FIG-3

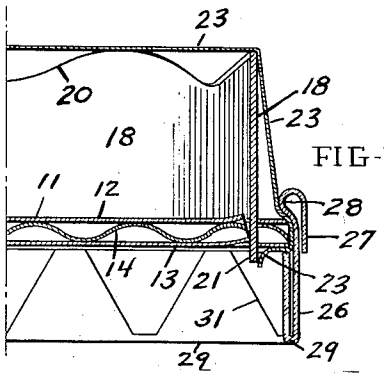


FIG-10

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CONTAINER

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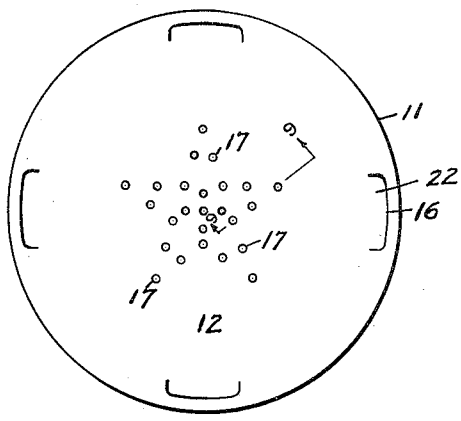


FIG-4

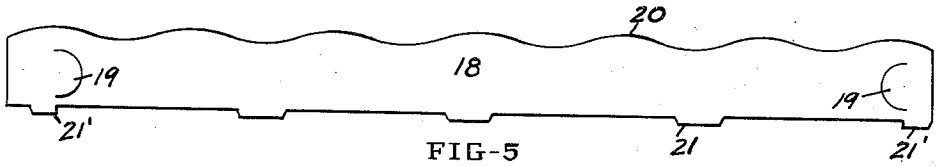


FIG-5

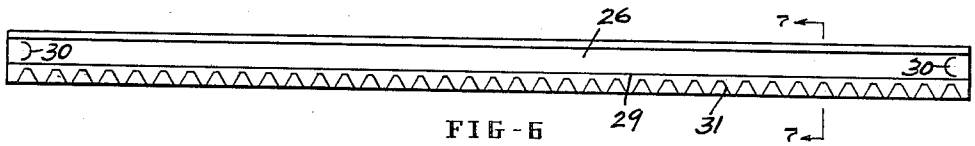


FIG-6

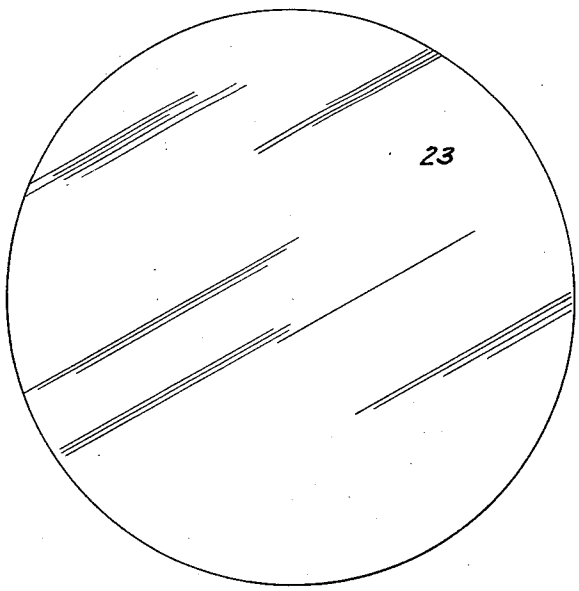


FIG-8

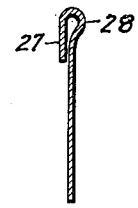


FIG-7

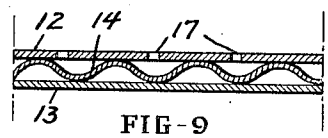


FIG-9

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Patented Nov. 30, 1937

2,100,858

UNITED STATES PATENT OFFICE

2,100,858

CONTAINER

Ernest A. Lenk, Philadelphia, Pa., assignor of one-half to George H. Morningstar, Philadelphia, Pa.

Application September 23, 1935, Serial No. 41,672

5 Claims. (Cl. 206—44)

This invention relates to a container and has special reference to a paper container providing a closure in which edibles may be placed and the container closed so as to provide a hermetically sealed receptacle.

The object of the present invention is to provide a container economical in construction which may be quickly and conveniently assembled and which will provide means for viewing the contents.

Another object is to provide a container whose parts may be cut in numbers and which when assembled may be locked so as to prevent accidental opening thereof.

According to the invention, the container comprises a base which is substantially circular and the strip having means in its ends for locking the same to form a band, slits in the base and flanges on the band for mounting the band on said base, a flexible closure extending across the top of the band and over the outside of same and the edge of the base, and a strip having means in the ends for locking the same together to form a ring adapted to pass down over the band and closure, said ring having an upper flanged part providing a bead which fits against the edge of the base, said ring further being provided with excoriations for permitting the lower part thereof to be bent upward toward the bottom of the base to prevent the removal of said ring and to lock said closure securely in place.

The drawings illustrate an embodiment of the invention and the views therein are as follows:

Fig. 1 is a top plan view of the container and showing a round article therein in dot and dash lines,

Fig. 2 is a front elevation of the same,

Fig. 3 is a cross sectional view on line 3—3 of Fig. 1,

Fig. 4 is a top plan view of the base,

Fig. 5 is a developed view of the strip forming the band,

Fig. 6 is a developed view of the strip forming the ring,

Fig. 7 is an enlarged cross sectional view of the strip which forms the ring, taken on the line 7—7 of Fig. 6,

Fig. 8 is a top plan view of the closure,

Fig. 9 is an enlarged fragmentary sectional view taken on the line 9—9 of Fig. 4, and

Fig. 10 is an enlarged view of one end of Fig. 2.

The container has a base 11 which is formed of two flat sheets 12 and 13 of paper with a corrugated piece 14 between the same, thereby providing a solid member which will carry considerable weight. This base is provided with slits 16, and while four of such slits have been shown in Fig. 4, this number may be changed to suit the size of the container.

The sheet 12 of the base is provided with a number of small holes 17, as hereinafter described. The upper surface or sheet 12 of the base 11 is waxed.

The band 18 developed in Fig. 5 is provided with tongues 19 formed by cutting, and these tongues may be pressed inward and outward at the respective ends so as to provide locking means for forming the strip 18 into a substantially circular band. This strip has flanges 21 on its lower edge corresponding in location to the outer concentric part of the slit 16 in the base 11, and when said strip is formed into a band by locking the tongues 19 the tongues 21 may be pushed down through the slits 16 by pressing the intermediate part 22 near said slit upward and after the tongues are extended through the base, the intermediate parts 22 may be pushed downward so as to lock said tongue securely in said slit and thus provide a side wall securely attached to the base 11.

The tongues 21′ on the ends of the strip 18 have less width than the intermediate tongues on account of the overlapping of the ends of the strip, and these end tongues 21′ are, therefore, complementary and provide the proper width for the slit 16 into which they enter. The inside face of the strip 18 is waxed.

The upper edge of the strip 18 is scalloped as at 20.

The manner of locking is shown in detail in Fig. 10.

A closure 23 which may be of any shape desired but which has been shown in Fig. 8 as circular is intended to extend across the serrated upper edge of the band 18, and as this closure is flexible it is passed down along the outer side of said band and over the edge of the base 11 as shown in Fig. 10. This closure may be made of cellotex or may be some waxed paper which provides a hermetic seal to the chamber formed by the base, band and closure.

The closure 23 is locked in position by means of a ring 26, a development of which is shown in Fig. 6. This ring has an outwardly and downwardly turned flange 27 providing a bead 28 thereon at its upper end, while its ends are provided with cut portions forming locking tongues 30 which when engaged form the strip into the circular ring.

The ring 26 is provided with a longitudinal

scoring 29 and V-shaped scorings 31 which permit the lower part of said ring to be turned inward as shown in Fig. 10, so as to lock both the ring itself and the closure 23 securely on to the base of the container. This locking feature added to the action of the bead 28 which confines the closure 23 closely against the base edge provides an air-tight container peculiarly adapted for packing of moist foods and other articles requiring air-tight transportation.

In Fig. 1, there is shown in dot and dash lines a cake 32. This cake is shown as being concentrically spaced and this is accomplished by virtue of the small holes 17 in the upper face of the base 11. These holes provide means for retaining a certain small quantity of icing which may be brushed over the same and which will not adhere to the upper unbroken surface 12 of the base on account of the same being waxed.

When the small quantity of icing is passed across these holes by means of a brush or spoon, the cake may be deposited thereon and it will thence be held against lateral movement upon the drying of the icing. This positioning of a cake on the base allows the band to be spaced circumferentially from said cake so that said band will not come in contact with any icing or decoration on the cake surface.

The band 18, of course, may be inserted in the base after the cake has been placed thereon and without interfering in any way with the cake itself after which the closure 23 may be placed atop the serrated edge 20 of the band.

When the ring 26 is placed thereon, it will pull the flexible closure down along the sides of the band as shown in Figs. 3 and 10, and as the bead 28 engages the upper sheet 12 of the base, the flexible closure will be secured firmly between the same, whereupon the lower part of the ring may be folded under by reason of the scoring 29 and excoriations 31 so that the closure will be further included between the bottom sheet 13 of the base and the upturned edge of the ring.

The containers may be piled one upon the other and the scalloped edge 20 of the band prevents any pressure of the weight except at points along the band and, therefore, there will be less danger of tearing or cutting the closure.

Of course the container shown and described may be modified and changed in various ways without departing from the invention herein set forth and hereafter claimed.

The invention is hereby claimed as follows:

1. A container comprising a base, an upstanding band having means for securing same to said base, a closure extending across the top and over the outside of said band and the peripheral edge of said base, and a cylindrical ring having a preformed bead for engaging the closure and holding same securely against said base, said cylindrical ring being of substantial height and having its bottom portion continuous, and having diagonal scorings therein to enable the cylindrical edge to be turned inward to impinge the bottom of said base to hold same in position.

2. A container comprising a base, an upstanding band having means for securing same to said base, a closure extending across the top and over the outside of said band and the peripheral edge of said base, and a cylindrical ring having a preformed bead for engaging the closure and holding same tightly against said base to provide an air-tight compartment, said cylindrical ring being of substantial height and having its bottom portion continuous, and having diagonal scorings therein to enable the cylindrical edge to be turned inward to impinge the bottom of said base to hold same in position.

3. A container comprising a base, an upstanding band having means for securing same to said base, a closure extending across the top and over the outside of said band and the peripheral edge of said base, and a cylindrical ring having a preformed bead for engaging the closure and holding same securely against said base, said cylindrical ring being of substantial height and having its bottom portion continuous, and having diagonal scorings therein which extend substantially from the bottom of said cylindrical ring to the approximate center of the part thereof depending from the base.

4. A container comprising a base having slits therein, an upstanding band on said base having tongues pressed through said slits and locked therein, a closure extending across the top and over the outside of said band and the peripheral edge of said base, and a closing ring having a pre-formed bead engaging said closure and holding same securely against said base, said ring having its cylindrical bottom scored to enable the turning of same against said base to lock said closure and ring in place.

5. A container comprising a base having U-shaped slits therein, an upstanding band having tongues extending from its bottom edge, the material within said U-shaped slits adapted to be pressed upward to receive said tongues and then pressed back to lock same therein, a closure extending across the top and over the outside of said band and the peripheral edge of said base, and a closing ring having a pre-formed bead engaging said closure and holding same securely against said base, said ring having its cylindrical bottom scored to enable the turning of same against said base to lock said closure and ring in place.

ERNEST A. LENK.