Dec. 15, 1931. H. BIEGELEISEN 1,836,062

SANITARY ENVELOPE FOR SLICED LEMON

Filed Feb. 7, 1931

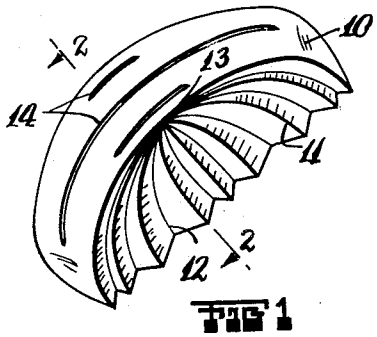


FIG 1

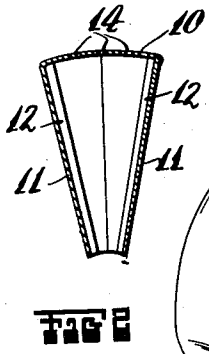


FIG 2

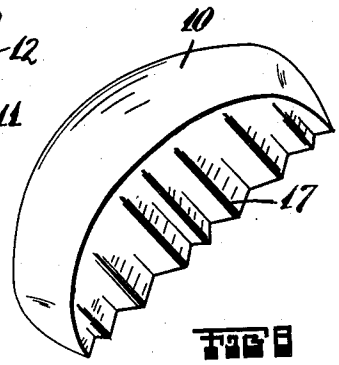


FIG 3

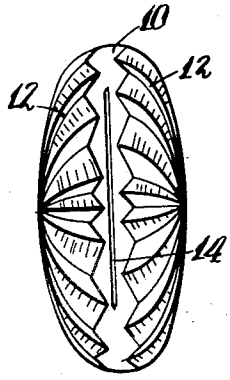


FIG 9

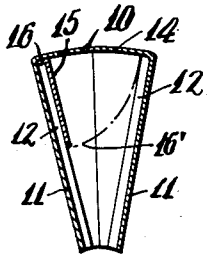


FIG 4

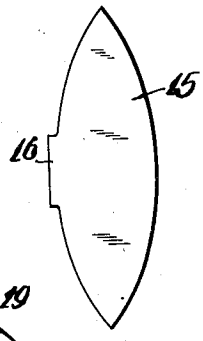


FIG 5

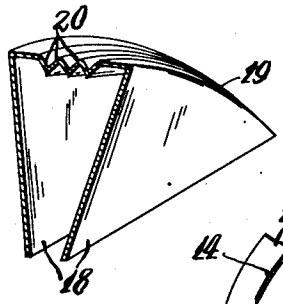


FIG 7

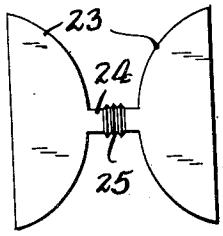


FIG 10

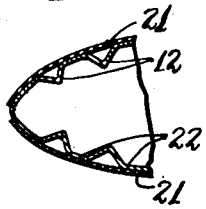


FIG 8

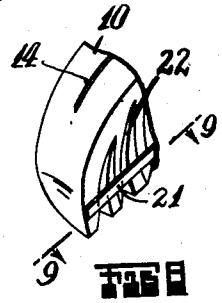


FIG 6

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UNITED STATES PATENT OFFICE

HYMAN BIEGELEISEN, OF NEW YORK, N. Y., ASSIGNOR TO ELOISE WILLIAMS, OF NEW YORK, N. Y.

SANITARY ENVELOPE FOR SLICED LEMON

Application filed February 7, 1931. Serial No. 514,170.

This invention relates to new and useful improvements in a lemon slice squeezer.

The invention has for an object the provision of a lemon slice squeezer which is characterized by a flexible sheet material covering formed to cover the spherical outer portion and both sides of a slice of lemon or the like so that the slice may be squeezed from end to end or from side to side through the covering preventing squirting of the lemon juice and contacting of the juice with one's fingers.

As a still further object of this invention it is proposed to form corrugations in the sides of the covering so as to adapt it for adjustments to slices of different sizes.

Another object of this invention is to arrange the corrugations radially around the center point of the sides upon the edge of the spherical portion so as to aid in collapsing of the cover when closed from end to end. It is also further proposed to arrange the corrugations parallel to each other and substantially at right angles to the straight side of the segmental sides of the covering for constituting an alternative form for collapsing the cover from end to end.

Another object of this invention is to form slots in the top spherical portion of the covering to allow the insertion of various sizes of lemon slices.

As another object of this invention it is proposed to provide a flap hingedly mounted on the inside of the spherical outer portion of the covering so as to close the slots mentioned in the previous paragraph when desired.

As a still further object of this invention it is proposed to form corrugations in the spherical outer portion of the covering to allow collapsing of this portion on the covering.

Another object of this invention is to arrange elastic bands upon the corrugations in a manner so as normally to fold the corrugations together to insure the maintaining of the sides of the covering against the sides of the slice while the slice is squeezed from end to end.

Another object of this invention is to arrange the lemon slice squeezer with a pair of segmental sides connected at the top by a strip portion formed with corrugations adapting it to fit slices of various thicknesses.

And a still further object of this invention is the provision of a device of the class mentioned which is of simple durable construction, dependable in use and efficient in action, and which can be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:—

Fig. 1 is a perspective view of a lemon slice squeezer constructed according to this invention.

Fig. 2 is a transverse sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a bottom view of Fig. 1.

Fig. 4 is a view similar to Fig. 2, but illustrating a modified form of the device.

Fig. 5 is a plan view of the flap used in Fig. 4.

Fig. 6 is a perspective view similar to Fig. 1, but illustrating another embodiment of the invention.

Fig. 7 is a fragmentary perspective view of another modified form of squeezer constructed according to this invention.

Fig. 8 is a fragmentary perspective view similar to a portion of Fig. 1, but illustrating a still further modified form.

Fig. 9 is a fragmentary horizontal sectional view taken on the line 9—9 of Fig. 8.

Fig. 10 is a developed view of a still further modified form of the device.

In Figs. 1 to 3 inclusive, a lemon slice squeezer has been shown which comprises a flexible sheet material covering formed with a spherical outer portion 10 for covering the spherical outer portion of a slice of a lemon or the like and with segmental sides 11 for covering the sides of said slice so that the slice may be squeezed from end to end and

from side to side without disengaging it from the squeezer. The sides 11 are formed with radial curved corrugations 12 which extend from the bottom edges of the sides to a point 13 substantially midway between the ends of the spherical outer portion 10. Slots 14 are formed in the spherical outer portion 10 for allowing expansion to fit any size slice of lemon. The bottom of the covering is left open for the insertion of the slice of lemon and thereafter for the insertion of a fork or other suitable utensil for holding the slice and cover while squeezing.

In the form of the device illustrated in Figs. 4 and 5, a flap 15 is shown attached along a small tab portion 16 within the spherical outer portion 10 of the cover. This flap is capable of assuming a position as illustrated in Fig. 4 so as to be disposed on one side of a lemon slice, or to be swung up as indicated by the dot and dash lines 16′ to a position in which the slots 14 are closed. When the squeezer is intended to be used without supporting the lemon with a fork or the like, then the flap 15 may be moved so as to close the slots and prevent lemon oil in the skin of the lemon from spraying out through the slots.

In Fig. 6 a modified form of the device has been illustrated. In this form the spherical cup portion 10 is plain, that is, it is not provided with slits for the insertion of some tool. Further, the corrugations upon the sides, indicated by reference numeral 17, are parallel to each other and extend substantially at right angles to the straight edges of the segmental sides.

In Fig. 7 another form of the squeezer has been illustrated, in which the sides 18 are plain, that is, not corrugated and the spherical outer portion 19 is formed with corrugations 20. These corrugations allow adjustment of the squeezer to fit slices of lemon of different widths. Further, they allow contraction of the portion so that the lemon may be thoroughly squeezed from side to side. Flexing of the material itself is depended upon to allow squeezing of the slice from end to end.

In Figs. 8 and 9 another form of the invention has been illustrated, in which a means is provided for normally contracting the corrugated sides so as to maintain contact of the sides of the covering with the sides of the slice during the squeezing. This is an advantage in that if the sides of the covering were not contracted, large spaces would exist between the sides of the covering and the sides of the slots through which the juice could spray out upon one's clothing or other articles.

The means comprises elastic strips 21 attached upon the outer folds 22 of the corrugated sides of the covering. The elastic strips are arranged near the bottom edges of the segmental sides and normally hold the corrugations closed. As illustrated on the drawings, the corrugations are partially spread open. If released, they would close still further. Thus, the squeezer can accommodate slices of different sizes and operate as before stated.

In Fig. 10 another form of the invention has been disclosed, in which the lemon slice squeezer consists of a pair of segmental side members 23 connected with each other at the top by a strip portion 24. The strip portion is formed with corrugations 25 so that the sides may be adjusted to various distances from each other to accommodate lemon slices of different widths. In this form the segmental sides 23 are flexible and it is intended that they be placed adjacent the sides of a lemon slice and pressed together to accomplish the squeezing. Further, the squeezer may be held in one hand and the lemon slice squeezed from end to end through the spaces between the sides 23 so as to efficiently squeeze the slice.

The operation of the various forms described are somewhat identical. In all forms the lemon slice is placed within the squeezer and then the slice is squeezed through the squeezer. In all forms the juices from the lemon or the other similar article being squeezed is prevented from spraying and at the same time the fingers of the person are protected. The squeezing of a lemon slice in this fashion is also more sanitary than with just one's fingers in that the juices cannot wash dirt from the finger tips along.

It is to be understood that my sanitary envelope may be used for any sliced citrus fruit, also that two or more thin envelopes may be used within one another instead of a single sheet to form an envelope of several plies.

While I have shown and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:—

1. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side.

2. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon

or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said segmental sides being formed with corrugations.

3. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said segmental sides being formed with corrugations, said corrugations being radial from substantially the central point of the edges of the spherical outer portion.

4. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said segmental sides being formed with corrugations, said corrugations being parallel to each other and substantially at right angles to the free edges of the segmental sides.

5. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said spherical outer portion being formed with slots to allow for expansion to hold various sizes of lemon slice.

6. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said spherical outer portion being formed with slots to allow for expansion to hold various sizes of lemon slices, and a flap being provided movably upon the inside of the spherical outer portion for assuming a position which closes said slots.

7. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said spherical outer portion being formed with corrugations for the purpose described.

8. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said segmental sides being formed with corrugations extending from the free edges inwards, and a means being provided for contracting the corrugations to keep the sides of the squeezer against the sides of a slice being squeezed.

9. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said segmental sides being formed with corrugations extending from the free edges inwards, and a means being provided for contracting the corrugations to keep the sides of the squeezer against the sides of a slice being squeezed, comprising elastic bands attached upon the outer folds of the corrugations and extending substantially parallel with the free edges of the segmental sides.

10. A lemon slice squeezer, comprising a flexible sheet material covering in the form of a pair of segmental sides for covering the sides of a slice and connected with each other by a strip portion for extending across the spherical outer portion of the slice.

11. A lemon slice squeezer, comprising a flexible sheet material covering in the form of a pair of segmental sides for covering the sides of a slice and connected with each other by a strip portion for extending across the spherical outer portion of the slice, said strip portion being corrugated for adjustments to fit different widths of slices.

12. A lemon slice squeezer, comprising a flexible sheet material covering formed with a spherical outer portion for covering the spherical outer portion of a slice of lemon or the like and with segmental sides for covering the sides of said slice so that the slice may be squeezed from end to end and from side to side, said covering being open from end to end for the insertion of any size sliced lemon and for the insertion of a fork to hold the said sliced lemon and said cover.

In testimony whereof I have affixed my signature.

HYMAN BIEGELEISEN, M. D.