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E. A. IBSCH, JR
LAMINATED VESSEL

2,542,413

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FIG. 1.

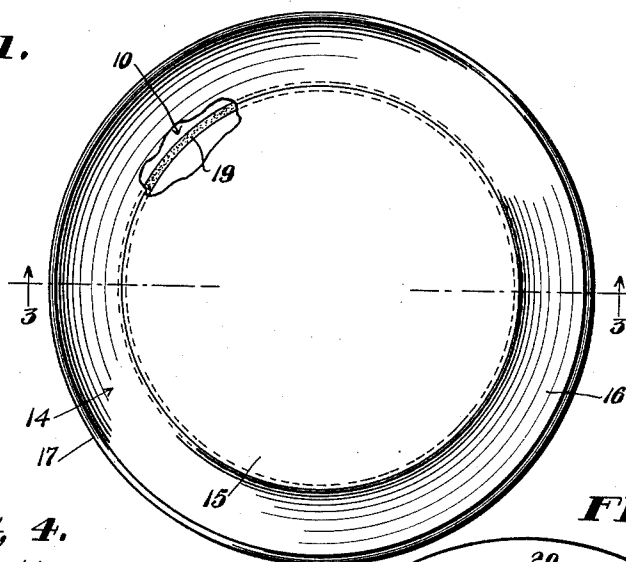


FIG. 4.

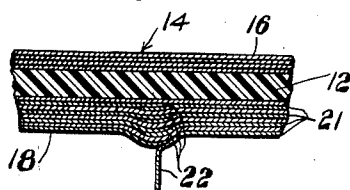


FIG. 5.

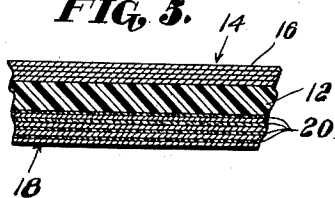


FIG. 2.

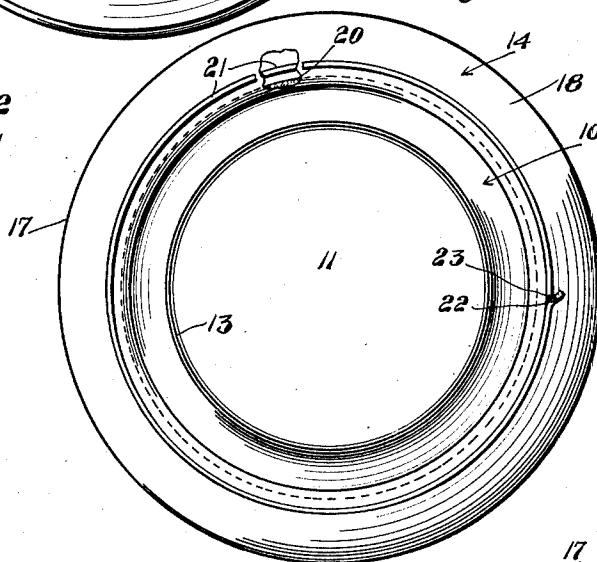
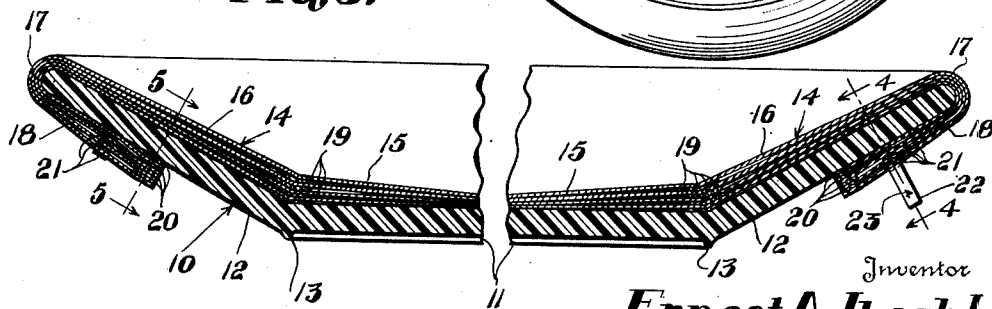


FIG. 3.



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UNITED STATES PATENT OFFICE

2,542,413

LAMINATED VESSEL

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1 Claim. (Cl. 65—15)

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This invention relates to dishes or receptacles.

An object of this invention is to provide a dish or receptacle which is formed of a plurality of laminations which are detachably secured to a base dish or receptacle so that a clean surface may be provided without washing or otherwise cleaning the article.

Another object of this invention is to provide a dish or receptacle which includes a plurality of removable laminations, and means in the form of tear strips to facilitate the removal operation of each lamination.

A further object of this invention is to provide a dish or receptacle in which the removable laminations may be formed of relatively flexible material, such as paper, plastic sheets, or the like which are moistureproof so that the succeeding laminations will not be damaged through use of the outermost lamination.

A further object of this invention is to provide a dish or receptacle of this kind wherein the free end or tab of each tear strip is provided with an identifying numeral so that the user will know at a glance the number of laminations which remain about the base receptacle.

With the foregoing and other objects in view, the invention will be more fully described hereinafter, and will be more particularly pointed out in the claim appended hereto.

In the drawing, wherein like symbols refer to like or corresponding parts throughout the several views,

Figure 1 is a top plan view of a plate, partly broken away, constructed according to an embodiment of this invention.

Figure 2 is a bottom plan view, partly broken away of the plate.

Figure 3 is a sectional view, partly broken away, on an enlarged scale, taken on the line 3—3 of Fig. 1.

Figure 4 is a fragmentary sectional view taken on the line 4—4 of Fig. 3.

Figure 5 is a fragmentary sectional view taken on the line 5—5 of Fig. 3.

Referring to the drawing, the numeral 10 designates generally a base plate or receptacle which may be formed of such material as will give the base plate substantial rigidity and which is of a character such that the base plate will not readily break or crack. As an example, the base plate 10 may be formed out of plastic or composition material, or may be formed out of compressed and heat treated fibrous material which is impregnated with moistureproof and heat resistance material. In the present instance the

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plate 10 comprises a bottom 11 having a flared rim 12 extending therefrom, and an annular rib 13 is disposed on the lower side of the bottom 11. It will be understood that the plate herein disclosed is only one application of this invention, and that the term "plate" or "dish" as herein used will also include cups, saucers, and other vessels which are used in holding edibles.

The plate 10 has a plurality of relatively thin superposed laminations or covers disposed thereon, the laminations being designated by the numeral 14. These laminations 14 are of relatively flexible characteristic and may be formed of moistureproofed paper, plastic, or other composition material which has the additional characteristic of resisting heat and preventing the saturation of the lamination by the juices of vegetable, meats, fruits, or other edibles.

Each lamination 14 includes a central part 15 engaging over the bottom 11 of the plate, an upwardly and outwardly flared rim covering part 16 which is bent over the outer edge of the rim 12 as indicated at 17, and is then bent or folded inwardly and downwardly as indicated at 18 on the lower side of the rim 12. The reverted or folded part 18 of the lamination 14 terminates outwardly from the annular bead 13, as clearly indicated in Fig. 3.

The innermost lamination 14 is secured to the inside of the plate 10 by means of adhesive 19 which secures this lamination to the plate 10 at the junction between the bottom 11 and the rim 12. Each succeeding lamination 14 is secured to the next inner lamination by additional rings of adhesive 19, so that all of the laminations will be firmly secured together and to the plate in order that the nested laminations will very closely follow the configuration of the plate 10.

On the outer or lower side of the rim 12, each lamination is secured to the rim by means of adhesive 20 and the outer lower portions of the laminations are secured together by similar rings of adhesive 20.

In order to provide a means whereby each lamination may be removed from the plate, I have provided a tear strip 21 which is fixedly secured to each lamination outwardly from the ring of adhesive 20. Each tear strip 21 is provided with a free end or tab 22, and the tab 22 has a numeral 23 printed or stamped thereon to indicate the number of the lamination. These lamination identifying numerals 23 are arranged in inverse order, that is, the innermost lamination is identified by the number "1," and the outer lamination by the last number. While

there are four laminations shown in the drawing, there may be as many laminations as may be desired.

In the formation of this plate or vessel, the base 10 is shaped or molded to the desired configuration and the laminations 14 are secured to the inside of the plate by means of the adhesive 19, and to the outside of the plate by means of the adhesive 20. After the plate has been used for the normal purposes of eating, or the like, the outermost lamination 14 may be removed by pulling the exposed tab 22 of the outer lamination. The rim portion of the outer lamination is thus freed, and the lamination can be freed from the adhesive 19 by upward pull. It will be understood that the adhesive 19 is of a character such as to only hold the various laminations together and to the inside of the plate, and if desired the adhesive 19 may be of the spot type rather than of the ring type.

With a vessel as hereinbefore described foods either hot or cold, and either dry or moist may be placed therein and the vessel used after the usual manner of a china vessel. The several laminations will provide sanitary linings for the vessel which can be readily removed in succession when they become soiled. The several laminations may be made of colored or transparent material, and may be appropriately decorated to provide a pleasing appearance.

It will be understood that the term "vessel" or "receptacle" as used herein will include garbage receptacles, pails, or like articles.

What is claimed is:

A vessel comprising a base member having rela-

tive rigidity and formed of a bottom wall and an upwardly flared side wall, a plurality of superposed flexible sheets disposed in covering relation with respect to the upper faces of said bottom wall and said side wall and projecting over the marginal edge of said side wall for a substantial distance therebeneath, means adhesively securing the marginal edges of said sheets to each other and to the lower side of said side wall, and a tear strip carried by each sheet spaced from the marginal secured edge thereof, the marginal secured portion of a removed sheet remaining secured to an adjacent sheet when said tear strip has been pulled, each tear strip having one end free from its associated sheet thereby forming a tab, and a numeral impressed on each tab for identifying the associated sheet.

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