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J. A. PARRILLA

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INFUSION PACKAGE

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Fig. 1

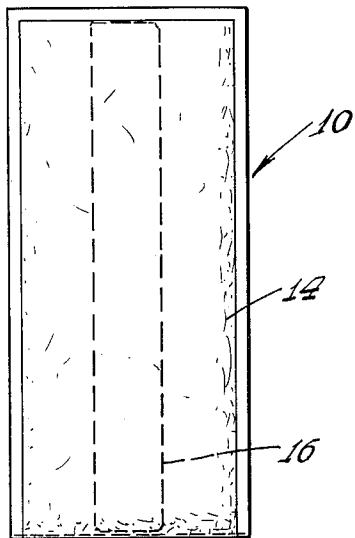


Fig. 2

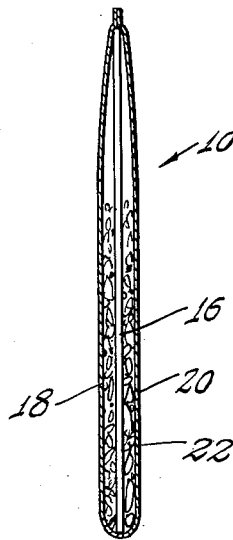
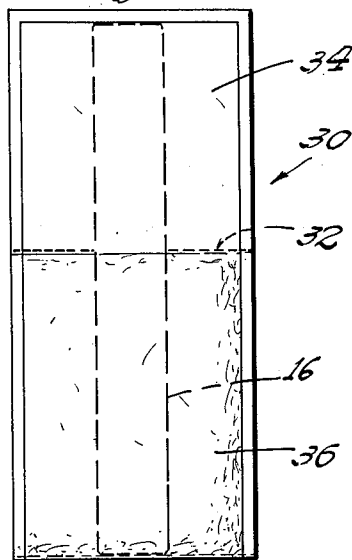


Fig. 3



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4 Claims. (Cl. 99-77.1)

This invention relates generally to liquid brewing devices and more particularly to a new and useful porous bag construction of the type which contains dry ingredients which dissolve when immersed in hot water.

At the present time, porous bag constructions of the type pertinent to the instant invention, as for example tea bags, are oftentimes connected by means of a string to a cardboard piece which is adapted to be held by the user. The bag is dipped into the cup containing the liquid and has many unsatisfactory aspects, as for example, lack of ease in manipulation of the bag portion in the liquid and inability to compress the bag. It is not possible with this construction to obtain a rapid emission of the contents of the bag. In addition, when the brewing operation is completed, the bag of standard construction is not easily and readily disposable but must instead be held for a long period of time above the cup to permit the liquid to drip therefrom. This oftentimes results in an unsanitary condition.

The present invention contemplates the provision of a disposable porous bag which overcomes all of the aforesaid disadvantages in a simple and efficient manner. This has been accomplished by the provision within the porous bag containing the desired ingredients of a rigid member enclosed within the bag and sufficiently elongated so that it may be grasped by the user at either end. Thereby, according to the present invention, an efficient means has been provided within the bag itself to permit manipulation of the bag both within and outside of the container of liquid with which it is to be used.

Accordingly it is an object of the present invention to provide a porous bag which may be efficiently manipulated within the container of liquid.

Another object is to provide a porous bag from which a maximum amount of the contents will be readily emitted.

Still another object of the present invention is to provide a porous bag which may be sanitarily and easily handled and in which the problem of dripping off after use is minimized.

A feature of the invention is the provision of a porous bag including an elongated rigid portion extending virtually from the bag portion.

Another feature of the invention is the provision of a porous tea bag of elongated form having a rigid member formed integrally therein.

A further feature of the invention is the provision of a porous bag which is simple in design, rugged in construction and economical to manufacture.

The various features of novelty which characterize the invention are pointed out in particularity in the claims annexed to and forming a part of this specification. For a better understanding thereof, reference is had to the accompanying drawings and descriptive matter in which there is illustrated and described a preferred embodiment of the invention.

In the drawings:

FIGURE 1 is a front elevational view of the bag structure of the present invention;

FIG. 2 is a vertical sectional view of the structure shown in FIGURE 1; and

FIG. 3 is a front elevational view of a modified form of the present invention.

Referring particularly to the drawings, there is shown as embodied in the present invention a peripherally

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sealed porous bag 10. As shown, the bag is filled with ingredients illustrated as tea 14. It will be understood, however, that any other dry ingredients which are dissolvable in whole or in part may be utilized. The bag 10, it will be noted, is preferably somewhat elongate and is loosely filled with the tea throughout. According to the present invention, a rigid member 16 of hard sturdy material is provided longitudinally of and within the bag. The bag is immersible in water by grasping one end of the rigid member 16 whereupon the ingredients will fall towards the base of the bag as shown in FIG. 2 and when dipped into liquid will pass in part through the side walls 18 and 20.

The rigid member grasped in the hand of the user, may be manipulated in any manner and may be pressed against the bottom of the cup or any other container to assure the obtaining of a maximum quantity of solution from the ingredients into the liquid in the container. After use, the provision of the rigid member 16, according to the invention, will make the bag easily sanitarily disposable. The bag may be pressed against the inner wall of the cup to prevent dripping of any of the contents of liquid which may be contained within the bag.

In the modification shown in FIG. 3, the porous bag 30 is provided with means for securing the side walls of the bag together intermediate the ends thereof. In the illustrated form, the means consists in stitching 32. The bag is thus divided into two compartments 34 and 36. Only one of the compartments 36 is filled with the ingredients. The rigid member 16 extends through both halves of the porous bag with the securing means being provided on each side of the rigid member as shown. With this construction, the bag is provided with the ingredients only in one-half thereof and is extremely sanitary for no portion of the ingredients themselves need be grasped by the user.

It will be understood that while the invention has been described in some detail, variations and modifications may be made without departing from the spirit of the invention or the scope of the appended claims.

I claim:

1. A new article of manufacture, a bag for submerging in liquid to prepare a beverage by infusion comprising a pair of side walls, said side walls being formed of a porous material, a seam circumscribing the peripheral edge portions of said side walls to form a seal therearound to define a closed envelope, a supply of a soluble ingredient sufficient to brew an individual portion of a beverage disposed within said envelope and a flat rigid member medially disposed between said side walls within said sealed envelope, said member having a broad face and narrow edge and extends diametrically of said envelope so that its end portions are disposed contiguous to said seam at opposite ends of said envelope, said envelope and rigid member therein being proportioned so that the envelope and rigid member therein may be grasped at one end as the other end of said envelope and rigid member is disposed in a container of liquid for brewing whereby said member enhances manipulation of the envelope both within and without the container, and whereby said rigid member may be used to compress the soluble ingredients within said envelope to obtain rapid solubility, maximum strength of brew and a minimum of dripping.

2. A new article of manufacture, a bag for submerging in liquid to prepare a beverage by infusion comprising a pair of side walls, said side walls being formed of a porous material, a seam circumscribing the peripheral edge portions of said side walls to form a seal therearound to define a closed envelope, a supply of tea leaves disposed within said envelope sufficient to brew an indi-

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vidual portion of tea, and a flat rigid member medially disposed within said sealed envelope, said member having a broad face and narrow edge and extends diametrically across said envelope so that its opposed end portions are disposed contiguous to said seam at opposite ends of the envelope, said envelope and rigid member therein being proportioned so that both may be grasped at one end as the other ends of said envelope and rigid member are disposed in a container of said liquid whereby said rigid member enhances manipulation of the envelope both within and without the container, and whereby said rigid member may be used to compress the tea leaves within said envelope to obtain rapid solubility and maximum quantity of tea from the tea leaves with a minimum of dripping.

3. A new article of manufacture, a bag for submerging in liquid to prepare a beverage by infusion comprising a pair of rectangularly shaped side walls, said side walls being formed of a porous material, a seam circumscribing the four peripheral edge portions of said side walls to form a seal therearound to define a closed envelope, a supply of brewing ingredient sufficient to brew an individual portion of a beverage disposed in said sealed envelope, and a flat rigid member medially disposed within said sealed envelope, said member having a broad face and narrow edge and extends diametrically along

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the length of said envelope so that the end portions of said members are disposed contiguous to said seam extending along the width of said envelope, said envelope and rigid member therein being proportioned so that the envelope and rigid member therein may be grasped at one end as the other end of said envelope is disposed in a container of said liquid whereby said rigid member enhances manipulation of the envelope both within and without said container, and whereby said rigid member may be used to compress the soluble ingredients within said envelope to obtain rapid solubility, maximum strength of brew and a minimum of dripping.

4. The invention as defined in claim 1 and including a seam extending across the width of said envelope intermediate the ends of said envelope to divide the same into two compartments, as said ingredients being disposed in one of said compartments.

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