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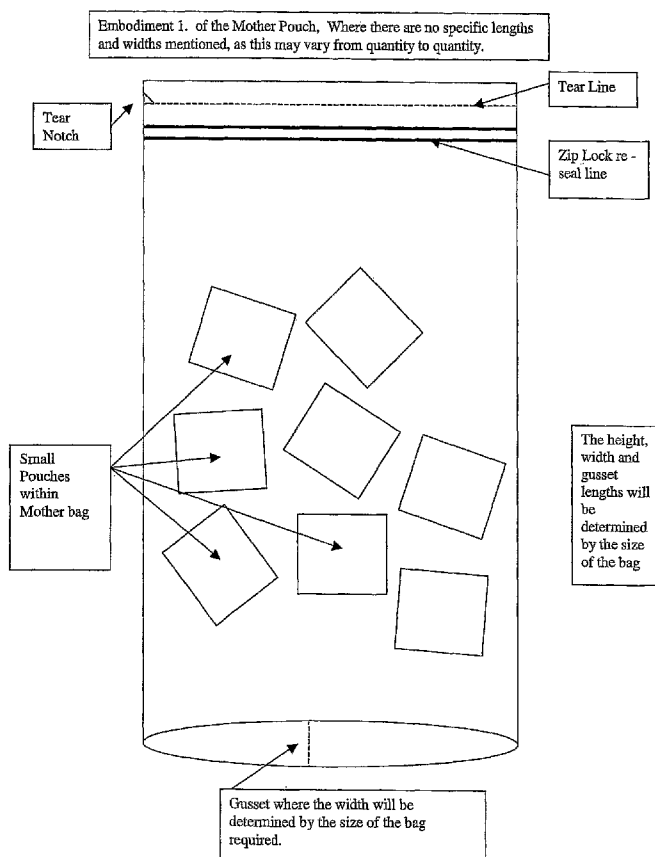
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(54) Title: ALCOHOLIC BEVERAGE DISPENSING SYSTEM

(57) Abstract: An alcoholic beverage dispensing system comprising a mother bag having and a plurality of pouches contained within the mother bag. One or more of the pouches includes an alcoholic beverage.



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## ALCOHOLIC BEVERAGE DISPENSING SYSTEM

## CROSS-REFERENCE TO RELATED APPLICATIONS

5 This application is a continuation and claims the benefit of U.S. provisional application Serial No. 60/743,613, filed March 21, 2006; provisional application Serial No. 60/797,134, filed May 3, 2006, and claims priority to U.S. application Serial No. 11/453,384, filed June 15, 2006.

## BACKGROUND OF THE INVENTION

## 1. Field of the Invention

10 The invention is a system and method for storing, transporting, and dispensing predictable, repeatable, measured amounts of an alcoholic beverage for consumption.

## 2. Background Art

15 In the beverage dispensing industry, it would be desirable to store a measured amount of alcoholic beverage in a container that does not deform (like a can) or break (like a bottle). Ideally, the container would have a fixed internal volume that could safely accommodate over time a predictable, measured amount (for example, one- or two-shots) of an alcoholic beverage for human consumption.

20 Traditionally, miniaturized glass bottles that conventionally contain small amounts of alcohol need to be disposed of after the contents are emptied. Bottles, whether broken or not, contribute to the general problems and volume of safe waste disposal. By nature of the mother bag having a ready opening, it may be convenient to place the empty pouches into the opening of the mother bag for contained disposal of the entire waste generated.

25 On airplanes, for example, the amount of storage space that is available to accommodate unconsumed miniaturized bottles is limited. Similarly, space available to store the bottles after they are emptied is also limited.



Preferably, but not necessarily, the pouches are assembled in a mother bag. For example, in one embodiment the mother bag has a re-sealable opening, or a tamper-proof seal which may include, but not be limited to a heat seal.

5 Because the tamper-proof seal needs to be broken to open or access the contents of the mother bag, a further benefit is that it cannot be opened and re-closed without the integrity of the dispenser being visibly damaged. The mother pouch and its member pouches appear as the original product, intact, as per manufacturer's quality control. This, in turn, will assure consumers that they are in possession of an unadulterated, non-tampered package, which may pass through  
10 several hands before appearing on the retailer's shelf for sale.

Prior art carriers, such as cartons or cardboard boxes, can be opened and re-closed with shrink wrapping or adhesive tape that is commonly used to close these forms of containers. This suggests that these forms of packaging are not "fool proof" to tampering.

15 Another example of the mother bag packaging may involve a vacuum seal. In this example, air is evacuated from the mother bag after the pouches have been loaded into the mother bag. This configuration confers economy in packing density. Likewise, the individual pouches themselves may be so filled with alcohol as to allow any air in the pouch to be evacuated. Other forms of mother bag  
20 packaging may involve the use of other gases or other fluids, such as fill material.

### BRIEF DESCRIPTION OF THE DRAWINGS

FIGURE 1 is a side elevation view of a first embodiment of an alcoholic beverage dispensing system according to the present invention. In Figure 1, it is assumed that the mother bag is supported by an arcuate gusset that enables  
25 the mother bag to be self-supporting in the upright position. Alternatively, the view could be considered as a top plan view of a recumbent bag when, for example, it may be lying flat on a storage shelf. The zip lock reseal lines enable resealing between uses;

FIGURE 2 is a side elevation view of a second embodiment of an alcoholic beverage dispensing system in which the mother bag is a flat pouch that is not self-supporting ;

FIGURE 3 is a side elevation view of a third embodiment of an alcoholic beverage dispensing system but without the zip lock reseal lines;

FIGURE 4 is a side elevation view of a fourth embodiment of an alcoholic beverage dispensing system. As in Figure 1, it is assumed that the mother bag is supported by an arcuate gusset that enables the mother bag to be self-supporting in the upright position, but this embodiment lacks the zip lock reseal lines;

FIGURE 5 depicts multiple sealed pouches that are detachable by perforations between the pouches so that a detached single pouch may remain sealed on all four sides (Embodiment A);

FIGURE 6 depicts multiple heat sealed pouches that are connected at their top edges by a strip. They are detachable from the strip by tearing perforations at the top edge of the pouch. This enables the detached single pouches to remain sealed on all four sides (Embodiment B);

FIGURE 7 depicts multiple heat sealed triangular pouches connected by perforated lines to each other to form a strip that enables the detached single pouch to remain sealed on all three sides (Embodiment C);

FIGURE 8A depicts a side view of a pouch with heat sealed edges, a tear notch and a gusset that enables a pouch to stand alone (Option 1); and

FIGURE 8B depicts a side view of a pouch with heat sealed edges and a tear notch (Option 2) that lacks a gusset.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT(S)

The invention generally relates to an alcoholic beverage dispensing system, in which alcohol for consumption is packaged in sachets or pouches (hereinafter collectively "pouches"). In one embodiment for example, the pouches are 25 ml in volume. In other embodiments, the pouches are 30 ml or 50 ml in volume. The pouches are made of a soft, pliable plastic material which has the attributes of flexibility, imperviousness, and resistance to chemical interaction with the pouch's alcoholic contents.

The pouches are contained in a mother bag, which in one embodiment has a re-sealable opening and a tamper-proof seal which may include, but is not limited to a heat seal. In that this additional tamper-proof seal needs to be broken in order to open or access the contents in the mother bag, for convenience, a number of pouches can be assembled in the "mother" bag. For example, in one embodiment, the mother bag may have a capacity that equals 750 ml, or any other approved container size.

The pouches are typically sealed after they are filled with a measured amount of alcohol. The pouches may be re-sealable or non re-sealable. In use, the alcoholic contents may be accessed conveniently by opening a pouch. The opening means includes for example a perforated tear seam, or at a notch provided along the side or top of the pouch. When the tear seam is opened, the beverage can be poured from the pouch with minimal spillage. The pouches may be any design that meets market-acceptable criteria, as to structure, form and closures.

Thus, Figures 1-3 depict examples of embodiments where the mother bag includes or lacks a gusset that enables the pouch to be self-supporting. This is useful for display. In one embodiment, the mother bag may be 7 inches wide and 11 inches tall. It may have a 4 inch gusset to allow the bag to stand alone. Additionally, in some embodiments, the mother bag will have a tamper-proof seal which may include, but not be limited to a heat seal.

In one non-limiting example, enclosed within the mother bag are twenty-five 30 ml portions of alcohol (750 ml in total).

In Figure 2, the mother bag is a flat pouch that is not self-supporting. This is useful for large bulk orders where the display feature of the dispensing device is not required or advantageous. In one embodiment, the mother bag is 10 inches wide and 20 inches tall. In another example, enclosed within this bag are one hundred twenty 25 ml portions of alcohol (3 liters in total).

Various combinations of size of the mother bag and the number of pouches are considered within the scope of the present invention. Further non-limiting examples include:

1. A 375 ml mother bag enclosing between 1-30 smaller pouches. For example, if there were three smaller pouches, each would include 125 ml of fluid contents, so that the total volume contained within the 375 ml mother bag would be 375 ml of alcoholic beverage. Another example would be 4 x 25 ml pouches of alcoholic beverage, 4 x 50 ml pouches of alcoholic beverage and 1 x 75 ml pouch of alcoholic beverage where the sum of all the varying pouches containing the alcoholic beverage equals 375 ml, preferably indicated on the mother pouch;

2. In this example, the mother bag has a capacity of 750 ml. The number of smaller pouches can be anywhere between 1 and 60 so that the total volume of alcohol contained in the mother bag is equal to 750 ml. An example would be 30 x 25 ml pouches equals 750 ml, preferably indicated on the mother pouch. Another example would be 1 x 50 ml pouches of alcoholic beverage and 4 x 25 ml pouches of alcoholic beverage, 1 x 30 ml, 1 x 70 ml pouch of alcoholic beverage and 1 x 500 ml pouch of alcoholic beverage. Again the total volume of fluid equals 750 ml, preferably indicated on the mother bag. In this case, if  $n$  is the number of smaller pouches,  $1 \leq n \leq 60$ , where  $n$  is an integer between 1 and 60;

3. In this example, the mother bag has a capacity of 1.5 liters. In this embodiment, the number of pouches can be anywhere between 1 and 120, so that the total capacity amounts to about 1.5 liters. An example would be 60 x 25 ml pouches, preferably indicated on the mother pouch. Another example would be 10 x 50 ml pouches of alcoholic beverage and 10 x 100 ml pouches of alcoholic



beverage preferably indicated on the mother bag. In this example,  $1 \leq n \leq 120$ , wherein  $n$  is an integer between 1 and 120;

4. Where the capacity of the mother bag is 3 liters. In this embodiment, the number of pouches can be anywhere between 1 and 240, so the total capacity amounts to 3 liters. An example would be 100 x 30 ml pouches, preferably indicated on the mother pouch. Another example would be 60 x 25 ml pouches of alcoholic beverage and 30 x 50 ml pouches of alcoholic beverage, preferably indicated on the mother bag. In this example,  $1 \leq n \leq 240$ , where  $n$  is an integer between 1 and 240.

10 The above are non-limiting examples of varying combinations of small pouches within the mother bag. This alcohol dispensing system includes all of the other combinations of varying sizes and varying numbers of the small pouches within the mother bag. The sum of all the volumes of alcohol beverage in all of the small pouches preferably will equal the indicated volume of the mother bag.

15 In general, these examples illustrate the following relationship:

Let  $V_n$  = volume of mother bag

$V_p$  = average volume of each pouch in mother bag

$n$  = number of pouches in the mother bag

then,

20  $V_n = n \times V_p$

or  $n = V_p/V_n$ .

In Figure 4, the mother bag may only have a tamper-proof seal which may include, but is not limited to a heat seal. In that this additional tamper-proof seal needs to be broken in order to open or access the contents in the mother bag, this permits the seal to be opened, and one or more of the smaller pouches to be added to, or taken from the mother bag.

Figure 5 shows an example of the construction of one embodiment, where the pouches are attached to one another side by side, but are not limited to,

via perforations and can be separated easily from one another at the perforations. The purpose of this embodiment serves those applications where the pouches can be removed and hung for easy access, space saving or other preferred convenience. For example, an airline beverage cart can have the pouches hanging off the side to  
5 create additional space, where the attendant can tear off the last pouch as needed.

Figure 6 shows an example of the construction of another embodiment, where the pouches are arranged, still side by side but not attached to one another, but using a common strip where the individual loose pouches are attached to this strip, using, but not limited to heat, adhesive, perforations or any  
10 other acceptable means of fixation, and can be separated easily from the common strip at the perforations provided or separating them from the common strip if another form of fixation has been used. The purpose of this embodiment serves those applications where the pouches can be removed and hung for easy access, space saving or other preferred convenience. For example, an airline beverage cart  
15 can have the pouches hanging off the side to create additional space, where the attendant can remove any pouch at random for convenience.

Figure 7 shows a "triangular" configuration and an additional example of the construction of embodiment, where the pouches are attached to one another side by side, but are not limited to, via perforations and can be separated  
20 easily from one another at the perforations. The purpose of this embodiment serves those applications where the pouches can be removed and hung for easy access, space saving or other preferred convenience. The pouches, may also be packaged as loose and individual.

The mother bag, in one embodiment, has a re-sealable opening, and  
25 a tamper-proof seal which may include, but is not limited to a heat seal. Because this tamper-proof seal needs to be broken in order to open or access the inside of the mother bag, one or more of the smaller pouches can be added to, or taken from the mother bag. The mother bag can then be resealed, thereby assuring continued safe retention of the alcohol-containing pouches. Like the pouches, the mother bag is  
30 preferably made of a soft, pliable plastic material which has the attributes of

flexibility, imperviousness, and a long shelf life. The mother bag may contain hard or soft pliable pouches.

Thus, the pouches may be, but not necessarily, loose, attached to each other or joined and still be enclosed in the "mother pouch." These pouches  
5 may vary in size, design, construction, and shape and still be enclosed in the "mother pouch." See, e.g., Figures 1-4.

The invention includes a concept of packaging alcohol in small sachets or pouches that each contain one or multiple "shots." These "shot"-  
10 containing pouches are preferably enclosed in the mother bag for sale for example to the retail and transport industries. The pouches are impervious to liquid and the seams retain their integrity over time.

After being emptied, the pouches are readily disposable. In contrast to an empty bottle, the empty pouch can be safely flattened. In that condition, a  
15 number of disposable containers can be emptied and conveniently stored before ultimate disposition. Because the mother bag has an opening, it may be convenient to place the empty pouches into the mother bag for contained disposal of the entire waste generated.

In Figure 8A, there is a pouch that has standup ability that uses a gusset. It also has a tear notch and optionally an inclined perforation line that guides  
20 the opening of the pouch. In Figure 8B, the pouch lacks a gusset. Thus, the combination of the pouches and the mother bag present an economical, societally-beneficial, space-saving and lightweight package. For example, in certain packaging the pouches nor the bag will break when dropped. This makes the system ideal for airplanes, ships, ferries, trains and coaches. Such modes of transport will benefit  
25 because storage space and weight are at a premium. In general, the disclosed pouches, in comparison to the standard 50ml bottle, are lighter in weight and smaller when full. When empty, the pouches are lighter and smaller. This makes them environmentally friendly.

The notion of exact 30 ml (1 ounce) portions strongly lends itself to controlled use of alcohol. As mentioned earlier, not all one ounce “shots” poured in bars and similar or other outlets are equal in measurement. In fact, there is more of a tendency to over-pour than to under-pour a drink. Thus, the patron who thinks  
5 he has had two drinks may find that he has been served the equivalent of three drinks in alcohol content. Very few patrons take exception to this “free” alcohol. In one instance, for example, some bartenders may receive a more generous tip, depending on how well he tends to a certain customer. The disclosed invention eliminates this tendency. Tips will primarily be determined based on service.

10 The disclosed system also offers the caterer the control he needs. This is especially true when there is no control of the inventory – for example, outside tent events or outside bars at fairs, festivals and sporting venues.

Another useful feature of the invention is that parents who purchase the disclosed beverage system for home use are able to keep count of the pouches.  
15 This may be helpful in situations where it has been known that minors have removed alcohol from regular bottles and topped up the bottle with water. Thus, the disclosed system enhances the caretaker’s ability to keep better inventory.

In other circumstances, it may be necessary to carefully control the amount of alcohol consumed in order to stay below a legal limit for drinking, i.e.,  
20 the alcohol level above which an individual may be subject to legal penalties (e.g., the loss of a driver’s license). Such concerns are particularly acute, for example, in the minds of airline pilots, bus drivers, and the persons operating recreational watercraft. By using the disclosed system, such persons may be able to be more vigilant in monitoring the amount of their alcoholic intake.

25 The disclosed system device will be used to contain and dispense, but not be limited to the various spirits and wines. Table 1 is a non-exhaustive list of such beverages. It is understood that additional alcoholic beverages are included by reference to generic names of alcoholic beverages.

While embodiments of the invention have been illustrated and described, it is not intended that these embodiments illustrate and describe all possible forms of the invention. Rather, the words used in the specification are words of description rather than limitation, and it is understood that various changes  
5 may be made without departing from the spirit and scope of the invention.

TABLE 1

	Absolut Vodka	Distilled Spirits
	Agua Dulce Wines	Wine
	Alexander Valley Symmetry Wines	Wine
5	Alice White Wines	Wine
	Alize Liqueur	Distilled Spirits
	Amberhill Wines	Wine
	Austin Vale Wines	Wine
	Angostura Carribbean Rum Cream	Distilled Spirits
10	Antinori Wines	Wine
	B&B Liqueur	Distilled Spirits
	Bacardi Flavored Rums	Distilled Spirits
	Bafferts Gin	Distilled Spirits
	Baileys Irish Cream Liqueur	Distilled Spirits
15	Bacardi Gold Rum	Distilled Spirits
	Bacardi Light Rum	Distilled Spirits
	Bacardi O Rum	Distilled Spirits
	Bacardi Rums	Distilled Spirits
	Beaujolais Villages Wine	Wine
20	Beaulieu Wines	Wine
	Barton & Guestier Wines	Wine
	Balvenie Doublewood Scotch	Distilled Spirits
	Banrock Station Wines	Wine
	Baron Philippe De Rothschild Wines	Wine
25	Bodegas Trapiche Wines	Wine
	Bolla Wines	Wine
	Bombay Sapphire Gin	Distilled Spirits
	Bonterra California Wines	Wine
	Bordeaux Wine	Wine

	Bouchard Pere & Fils	Wine
	Beefeater Gin	Distilled Spirits
	Bella Sera Wines	Wine
	Belvedere Vodka	Distilled Spirits
5	Beringer Wines	Wine
	Bernardus Wines	Wine
	Biltmore Estate Wines	Wine
	Biondi-Santi Wines	Wine
	Blackstone Wines	Wine
10	Bodegas Montecillo Wines	Wine
	Brilliant Vodka	Distilled Spirits
	Brugal White Rum	Distilled Spirits
	Bulleit Bourbon Frontier Whiskey	Distilled Spirits
	Cabo Wabo Tequila	Distilled Spirits
15	Callaway Coastal Wines	Wine
	Campari Liqueur	Distilled Spirits
	Canadian Mist Whiskey	Distilled Spirits
	Captain Morgan Parrot Bay Rum	Distilled Spirits
	Captain Morgan Spiced Rum	Distilled Spirits
20	Casa Girelli Wines	Wine
	Castello Banfi Wines	Wine
	Cavas Freixenet Champagnes	Wine
	Cavit Wines	Wine
	Chambord Liqueur Royale De France	Distilled Spirits
25	Champagne Veuve Clicquot	Wine
	Champagnes Taittinger	Wine
	Charles Heidsieck Champagne	Wine
	Chateau Lafayette Reneau Wines	Wine
	Chateau Souverain Wines	Wine

	Chivas Regal 12	Distilled Spirits
	Chivas Regal 18 Year Old	Distilled Spirits
	Chopin Vodka	Distilled Spirits
	Christian Brothers Brandy	Distilled Spirits
5	Christian Moueix Wines	Wine
	Christiania Vodka	Distilled Spirits
	Ciclón Rum	Distilled Spirits
	Clos Du Bois Wines	Wine
	Cockburn's Special Reserve Port	Wine
10	Cointreau Liqueur	Distilled Spirits
	Columbia Crest Wines	Wine
	Concha y Toro Wines	Wine
	Courvoisier Cognacs	Distilled Spirits
	Courvoisier Initiale Extra Cognac	Distilled Spirits
15	Courvoisier XO Imperial Cognac	Distilled Spirits
	Coyopa Rum	Distilled Spirits
	Crema del alba Liqueur	Distilled Spirits
	Crown Royal Special Reserve Whiskey	Distilled Spirits
	Crown Royal Whiskey	Distilled Spirits
20	Cruzan Flavored Rums	Distilled Spirits
	Cruzan Rums	Distilled Spirits
	Cruzan Single Barrel Estate Rum	Distilled Spirits
	Cutty Sark Scotch	Distilled Spirits
	Cuvee Sir Winston Churchill Champagne	Wine
25	Danzante Wines	Wine
	Dekuyper Cordials & Liqueurs	Distilled Spirits
	Delicato Wines	Wine
	Dewar's Special Reserve 12	Distilled Spirits
	Dewar's White Label Scotch Whiskey	Distilled Spirits



	Disaronno Originale Amaretto	Distilled Spirits
	Dolce Wines	Wine
	Domaine Chandon Wines	Wine
	Domaine Ste. Michelle Brut	Wine
5	Don Julio Tequilas	Distilled Spirits
	Drambuie Liqueurs	Distilled Spirits
	Dry Creek Vineyard Wines	Wine
	Dry Sack Medium Sherry	Wine
	Dry Sack Solera Especial Sherry	Wine
10	Dubonnet Wine	Wine
	Early Times Old Style Kentucky Whiskey	Distilled Spirits
	Ecco Domani Wines	Wine
	Ernest & Julio Gallo Wines	Wine
	Evan Williams Kentucky Straight Bourbon Whiskey	Distilled Spirits
15	Evita Peroni Wines	Wine
	Famous Grouse Scotch	Distilled Spirits
	Far Niente Wines	Wine
	Fernet-Branca Liqueur	Distilled Spirits
	Ferrari Carano Wines	Wine
20	Fetzer Vineyards California Wines	Wine
	Feudo Monaci Wines	Wine
	Finlandia Vodkas	Distilled Spirits
	Folonari Wines	Wine
	Fonseca Guimaraens Vinhos Ports	Wine
25	Fontana Candida Wines	Wine
	Forest Glen Wines	Wine
	France	Wine
	Frangelico Liqueur	Distilled Spirits
	Freixenet	Wine

	Fris Flavored Vodka	Distilled Spirits
	Fris Vodka	Distilled Spirits
	Gallo of Sonoma Wines	Wine
	Gentleman Jack Tennessee Whiskey	Distilled Spirits
5	Georges Duboeuf Wines	Wine
	Glenfiddich Scotch Whiskey	Distilled Spirits
	Glenlivet Scotch Whiskey	Distilled Spirits
	Glenmorangie Single Highland Malt Scotch Whiskies	Distilled Spirits
	Gloria Ferrer Wines	Distilled Spirits
10	Godiva Liqueur	Distilled Spirits
	Gosling's Black Seal Rum	Distilled Spirits
	Gossamer Bay Wines	Wine
	Grand Marnier Liqueur	Distilled Spirits
	Greg Norman Estate Wines	Wine
15	Grey Goose Flavored Vodkas	Distilled Spirits
	Grey Goose Vodka	Distilled Spirits
	Grey Goose Vodka L'Orange	Distilled Spirits
	Grgich Hills Wines	Wine
	Gruet Wines	Wine
20	Hennessy Cognacs	Distilled Spirits
	Hennessy Paradis Extra Cognac	Distilled Spirits
	Hennessy Privilege VSOP Cognac	Distilled Spirits
	Hennessy Very Special Cognac	Distilled Spirits
	Hennessy VSOP Cognac	Distilled Spirits
25	Hennessy XO Cognac	Distilled Spirits
	Inniskillin Wines	Wine
	Ironstone Vineyards Wine	Wine
	J&B Scotch	Distilled Spirits
	Jack Daniel's Single Barrel Tennessee Whiskey	Distilled Spirits

	Jack Daniel's Whiskey	Distilled Spirits
	Jacob's Creek Wines	Wine
	Jameson Irish Whiskey	Distilled Spirits
	Jim Beam Black Bourbon Whiskey	Distilled Spirits
5	Jim Beam White Bourbon Whiskey	Distilled Spirits
	Johnnie Walker Black Label Scotch Whiskey	Distilled Spirits
	Johnnie Walker Red Label Scotch Whiskey	Distilled Spirits
	Johnnie Walker Scotch Whiskey	Distilled Spirits
	Jose Cuervo 1800 Tequila	Distilled Spirits
10	Jose Cuervo Especial Tequila	Distilled Spirits
	Joseph Phelps Vineyards Wines	Wine
	Kahlua Black Russian Cocktail	Distilled Spirits
	Kahlua Liqueurs	Distilled Spirits
	Kahlua Mudslide Cocktail	Distilled Spirits
15	Kahlua Rum Cola Cocktail	Distilled Spirits
	Kahlua White Russian Cocktail	Distilled Spirits
	Kendall-Jackson Estate Wines	Wine
	Kenwood Wines	Wine
	King Estate Wines	Wine
20	Knob Creek Kentucky Straight Bourbon Whiskey	Distilled Spirits
	Korbel California Champagnes	Wine
	Kozak Vodka	Distilled Spirits
	Krug Brut	Wine
	Kutskova Vodka	Distilled Spirits
25	KWV Wines	Wine
	La Grande Dame de Veuve Clicquot Champagne	Wine
	Labrot & Graham Bourbon Whiskey	Distilled Spirits
	Lancer's Wines	Wine
	Lanson Brut Black Label	Wine

	Laurent-Perrier Champagne	Wine
	Leonardo Locascio Wines	Wine
	Lillet Wines	Wine
	Lindemans Wines	Wine
5	Liquore Galliano	Distilled Spirits
	Louis Jadot Wines	Wine
	Louis Roederer Brut	Wine
	Louis Roederer Brut Premier	Wine
	Luce & Lucente Wines	Wine
10	Luna di Luna Wines	Wine
	Macallan Single Highland Scotch Whiskey	Distilled Spirits
	Magnotta Wines	Wine
	Maker's Mark Bourbon	Distilled Spirits
	Malibu Rum	Distilled Spirits
15	Margaritaville Tequila	Distilled Spirits
	Marie Brizard Liqueurs	Distilled Spirits
	Markham Wines	Wine
	Martell Cognacs	Distilled Spirits
	Martell Cordon Bleu Cognac	Distilled Spirits
20	Martell VS Cognac	Distilled Spirits
	Martini & Rossi Asti Spumanti	Wine
	Meridian Wines	Wine
	Merryvale Wines	Wine
	Mezzacorona Wines	Wine
25	Michigan Wines	Wine
	Midori Liqueur	Distilled Spirits
	Mionetto Wines	Wine
	Montevina Wines	Wine
	Mount Gay Rum	Distilled Spirits

	Mouton-Cadet Wines	Wine
	Mumm Champagnes	Wine
	Niebaum-Coppola Wines	Wine
	Oak Spring Wines	Wine
5	Old Forester Kentucky Straight Bourbon Whiskey	Distilled Spirits
	Old St. Andrews Scotch Whiskey	Distilled Spirits
	Opici Wines	Wine
	Patron Tequilas	Distilled Spirits
	Paul Jaboulet Aine Wines	Wine
10	Paul Masson Creme Liqueur	Distilled Spirits
	Paul Masson Grande Amber VS Brandy	Distilled Spirits
	Paul Masson Wines	Wine
	Pearl Vodka	Distilled Spirits
	Penfolds Wines	Wine
15	Perrier-Jouet Champagnes	Wine
	Pol Roger Champagnes	Wine
	Polar Ice Vodka	Distilled Spirits
	Portugal Wines	Wine
	Prince Michel Vineyards Wines	Wine
20	Pyrat Rums	Distilled Spirits
	R.H. Phillips Wines	Wine
	Rancho Zabacco Wines	Wine
	Raynal French Brandy	Distilled Spirits
	Redwood Creek Wines	Wine
25	Remy Martin Cognacs	Distilled Spirits
	Reynolds Wines	Wine
	Robert Mondavi Wines	Wine
	Rodney Strong Wines	Wine
	Ronrico Rums	Distilled Spirits

	Rosemount Estate Wines	Wine
	Round Hill Wines	Wine
	Ruffino Wines	Wine
	Rums of Puerto Rico	Distilled Spirits
5	Rutherford Hill Wines	Wine
	Santa Margherita Wines	Wine
	Sauza Hornitos	Distilled Spirits
	Sauza Tequila	Distilled Spirits
	Schmitt Sohne Riesling Wines	Wine
10	Seagram's Extra Dry Gin	Distilled Spirits
	Seagram's Flavored Gins	Distilled Spirits
	Seagram's VO Canadian Whiskey	Distilled Spirits
	Seagram's VO Gold Canadian Whiskey	Distilled Spirits
	Shiraz Wine	Wine
15	Skyy Flavored Vodkas	Distilled Spirits
	Skyy Vodka	Distilled Spirits
	Smirnoff Flavored Vodkas	Distilled Spirits
	Smirnoff Vodkas	Distilled Spirits
	Southern Comfort	Distilled Spirits
20	Southern Twist Liqueur	Distilled Spirits
	Speyside Scotch	Distilled Spirits
	St. Francis Wines	Wine
	St. Supery Wines	Wine
	Sterling Wines	Wine
25	Stolichnaya Flavored Vodkas	Distilled Spirits
	Stolichnaya Vodkas	Distilled Spirits
	Stonehaven Vineyards Wines	Wine
	Straccali Wines	Wine
	Sutter Home Wines	Wine

	Taittinger Champagnes	Wine
	Talea Amaretto Cream Liqueur	Distilled Spirits
	Talisker Scotch Whiskey	Distilled Spirits
	Talus Cellars Wines	Wine
5	Tanqueray Gin	Distilled Spirits
	Tanqueray No. Ten Gin	Distilled Spirits
	Taylor Fladgate Port	Wine
	The Balvenie Doublewood Scotch Whiskey	Distilled Spirits
	The Balvenie Port Wood Scotch Whiskey	Distilled Spirits
10	Torres Wines	Wine
	Trapiche Wines	Wine
	Trentino Wines	Wine
	Trincherro Estate Wines	Wine
	Trinity Oaks Wines	Wine
15	Turi Vodka	Distilled Spirits
	Turning Leaf Wines	Wine
	Undurraga Wines	Wine
	Vendange Wines	Wine
	Vermeer Dutch Chocolate Cream Liqueur	Distilled Spirits
20	Viking Fjord Vodka	Distilled Spirits
	Vincent Van Gogh Vodka	Distilled Spirits
	Vox Vodka	Distilled Spirits
	W&J Graham's Six Grapes Port	Wine
	Wallaby Creek Wines	Wine
25	Walnut Crest Wines	Wine
	Wild Turkey Bourbon Whiskey	Distilled Spirits
	Wild Vines Wines	Wine
	William Grant's Scotch Whiskey	Distilled Spirits
	Winebow	Wine

	Wines of Arizona	Wine
	Wines of France	Wine
	Wines of Georgia	Wine
	Wines of Spain	Wine
5	Woodbridge Wines	Wine
	Woodford Reserve Distiller's Select Bourbon	Distilled Spirits
	Wray & Nephew Rums	Distilled Spirits



WHAT IS CLAIMED IS:

1                   1.       An alcoholic beverage dispensing system comprising:  
 2                   a mother bag that can be opened; and  
 3                   a plurality of pouches contained within the mother bag, one or more  
 4 of the pouches including an alcoholic beverage.

1                   2.       The alcoholic beverage dispensing system of claim 1 wherein  
 2 the mother bag includes a gusset that enables the bag to be self-supporting in an  
 3 upright position.

1                   3.       The alcoholic beverage dispensing system of claim 1 wherein  
 2 the mother bag lacks a gusset.

1                   4.       The alcoholic beverage dispensing system of claim 1 wherein  
 2 at least some of the pouches include a perforated tear seam which enables the  
 3 alcoholic beverage to be releasably contained within the pouch so that when the tear  
 4 seam is at least partially opened, the beverage may be poured from the pouch.

1                   5.       The alcoholic beverage dispensing system of claim 1, where  
 2  $V_n$  = volume of mother bag  
 3  $V_p$  = average volume of each pouch in the mother bag, and  
 4  $n$  = number of pouches in the mother bag

5                   then,

6                    $V_n \geq n \times V_p$

7                   or

8                    $n \approx V_n/V_p.$

1                   6.       The alcoholic beverage dispensing system of claim 1 wherein  
 2 the mother bag has a re-sealable opening.

1                   7.       The alcoholic beverage dispensing system of claim 1 wherein  
 2 the same amount of alcohol is contained in each of the pouches.

1                   8.       The alcoholic beverage dispensing system of claim 1 wherein  
2 the amount of alcohol contained in at least some of the pouches is unequal.

1                   9.       The alcoholic beverage dispensing system of claim 8, where:  
2                    $V_n$  = volume of mother bag  
3                    $X_1$  = number of pouches of volume 1 ( $V_1$ )  
4                    $X_2$  = number of pouches of volume 2 ( $V_2$ )  
5                    $X_n$  = number of pouches of volume n ( $V_n$ )  
6                   then,  
7                    $V_n \approx \sum (X_1 V_1 + X_2 V_2 + \dots + X_n V_n)$   
8                   where  $1 \leq n \leq 240$ .

1                   10.       The alcoholic beverage dispensing system of claim 9, wherein  
2  $V_1 = 50$  ml,  $X = 10$ ,  $V_2 = 25$  ml, and  $Y = 10$ , so that  $V_n$  is equal to 750 ml.

1                   11.       The alcoholic beverage dispensing system of claim 1, wherein  
2 the amount of alcohol contained in at least some of the pouches is more than one  
3 shot of alcohol.

1                   12.       The alcoholic beverage dispensing system of claim 1, wherein  
2 the amount of alcohol contained in each pouch is one shot of alcohol.

1                   13.       The alcoholic beverage dispensing system of claim 1, wherein  
2 the alcoholic beverage contained in at least some of the pouches is selected from the  
3 group consisting of those alcohols listed in Table 1 and mixtures thereof.

1                   14.       The alcoholic beverage dispensing system of claim 1 wherein  
2 the pouches are vacuum-packed within the mother bag so that there is no air between  
3 the outside of the pouches and the inside of the mother bag.

1                   15.       An alcoholic beverage dispensing system comprising a

2 plurality of pouches that are interconnected by perforations so that the pouches can  
3 be removed individually or severally.

1                   16. An alcoholic beverage dispensing system comprising a  
2 plurality of pouches, each having a long edge and a short edge, wherein the long  
3 edges are separated by perforations and one small edge of each pouch is contiguous  
4 with one or more continuous strips so that the pouches may be removed from the  
5 one or more strips, while other pouches remain detachably attached thereto.

1                   17. An alcoholic beverage dispensing system comprised of a  
2 plurality of triangular pouches wherein two of the sides of at least some of the  
3 pouches are connected to a neighboring pouch by perforations.

Figure 1

Embodiment 1. of the Mother Pouch, Where there are no specific lengths and widths mentioned, as this may vary from quantity to quantity.

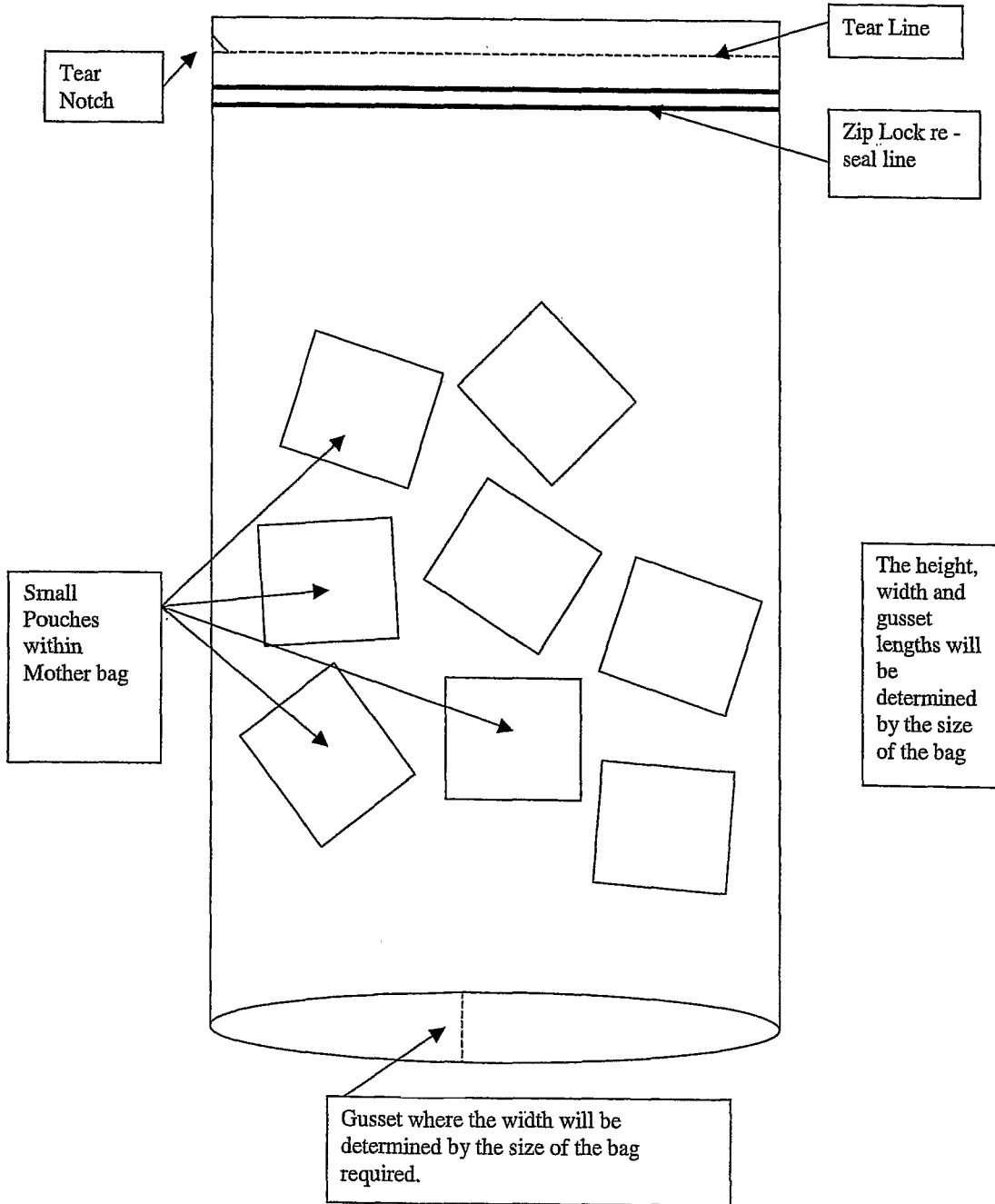


Figure 2

Embodiment 2. of the Mother Pouch, Where there are no specific lengths and widths mentioned, as this may vary from quantity to quantity.

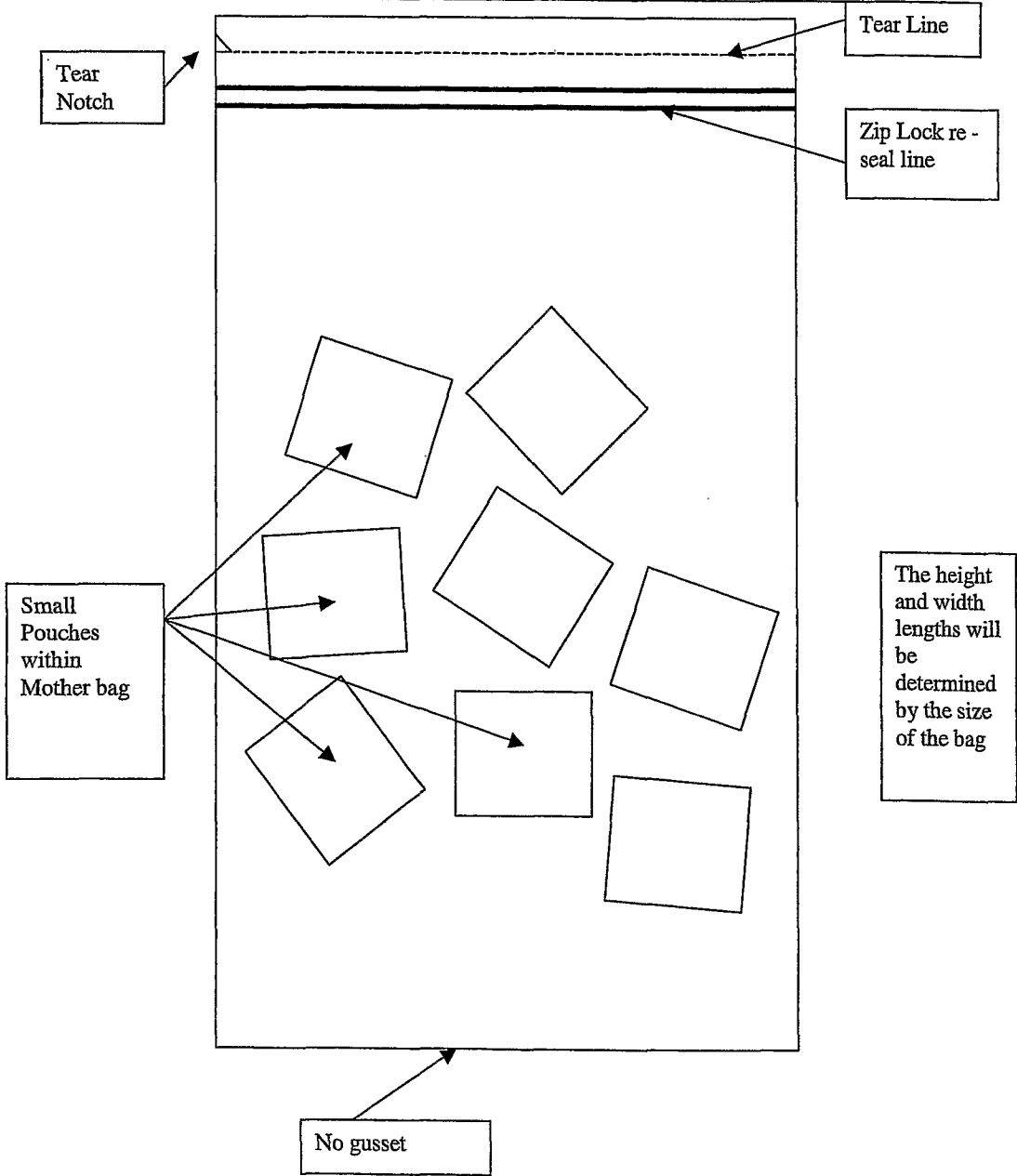


Figure 3

Embodiment 3. of the Mother Pouch, Where there are no specific lengths and widths mentioned, as this may vary from quantity to quantity.

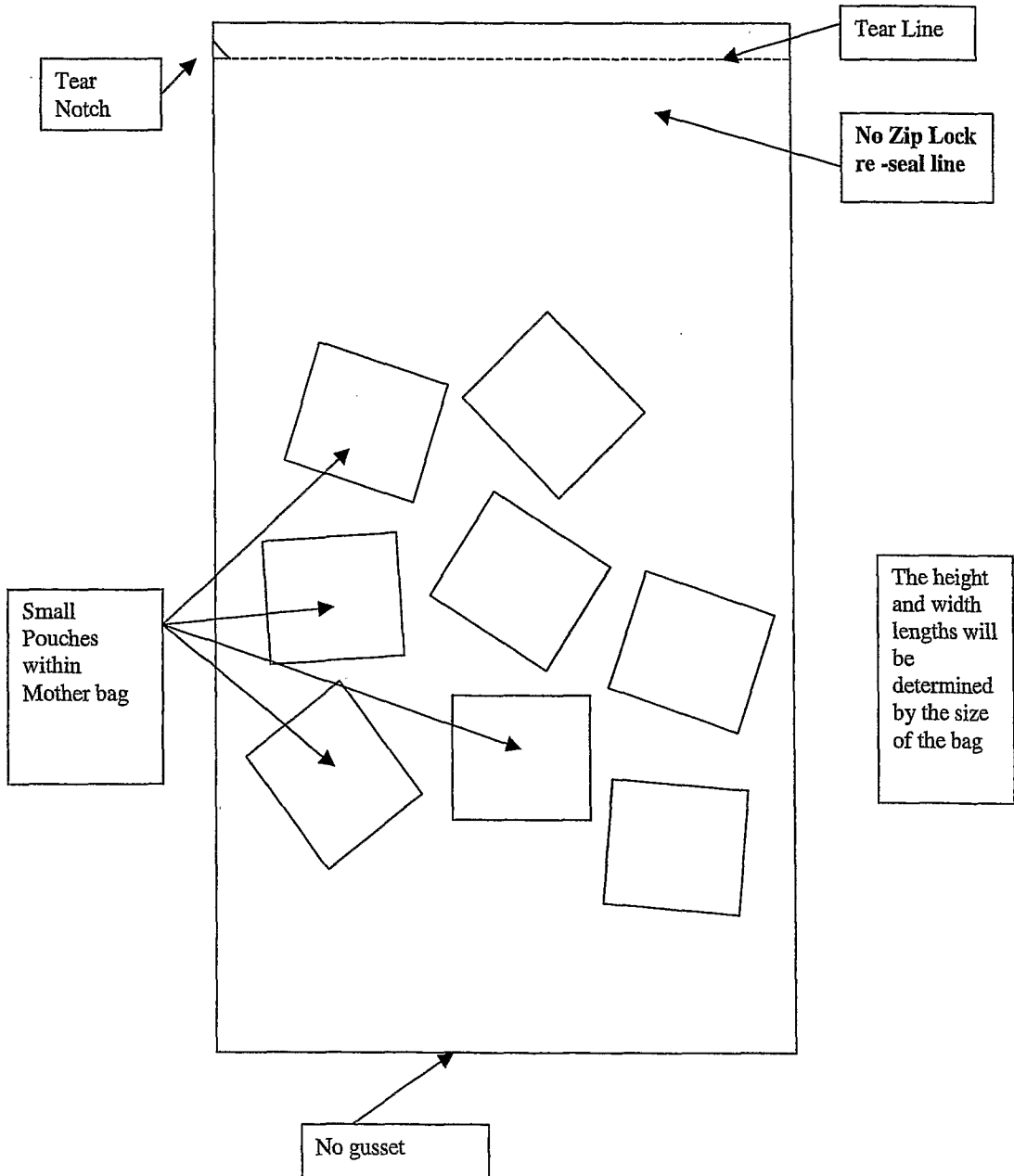
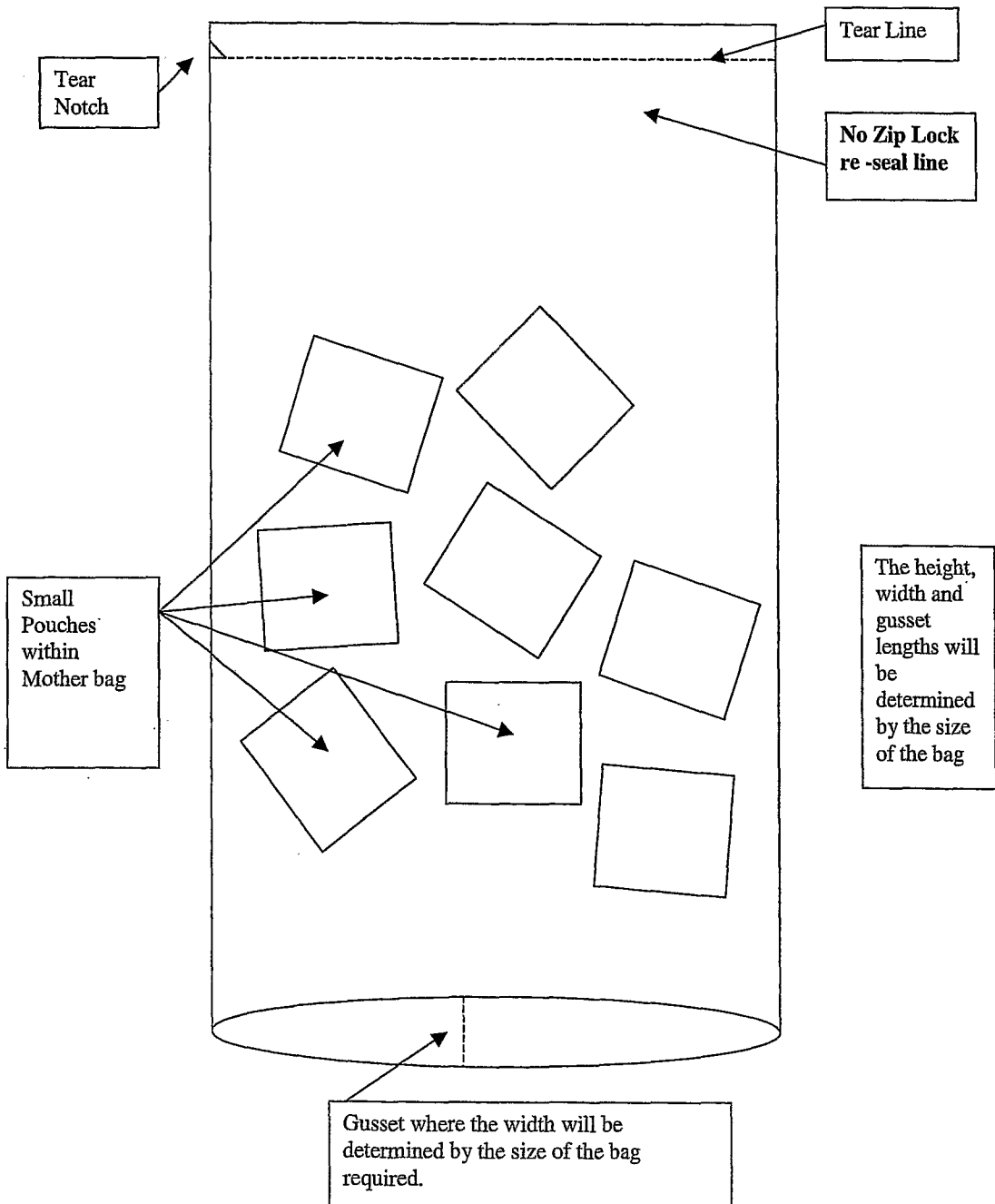
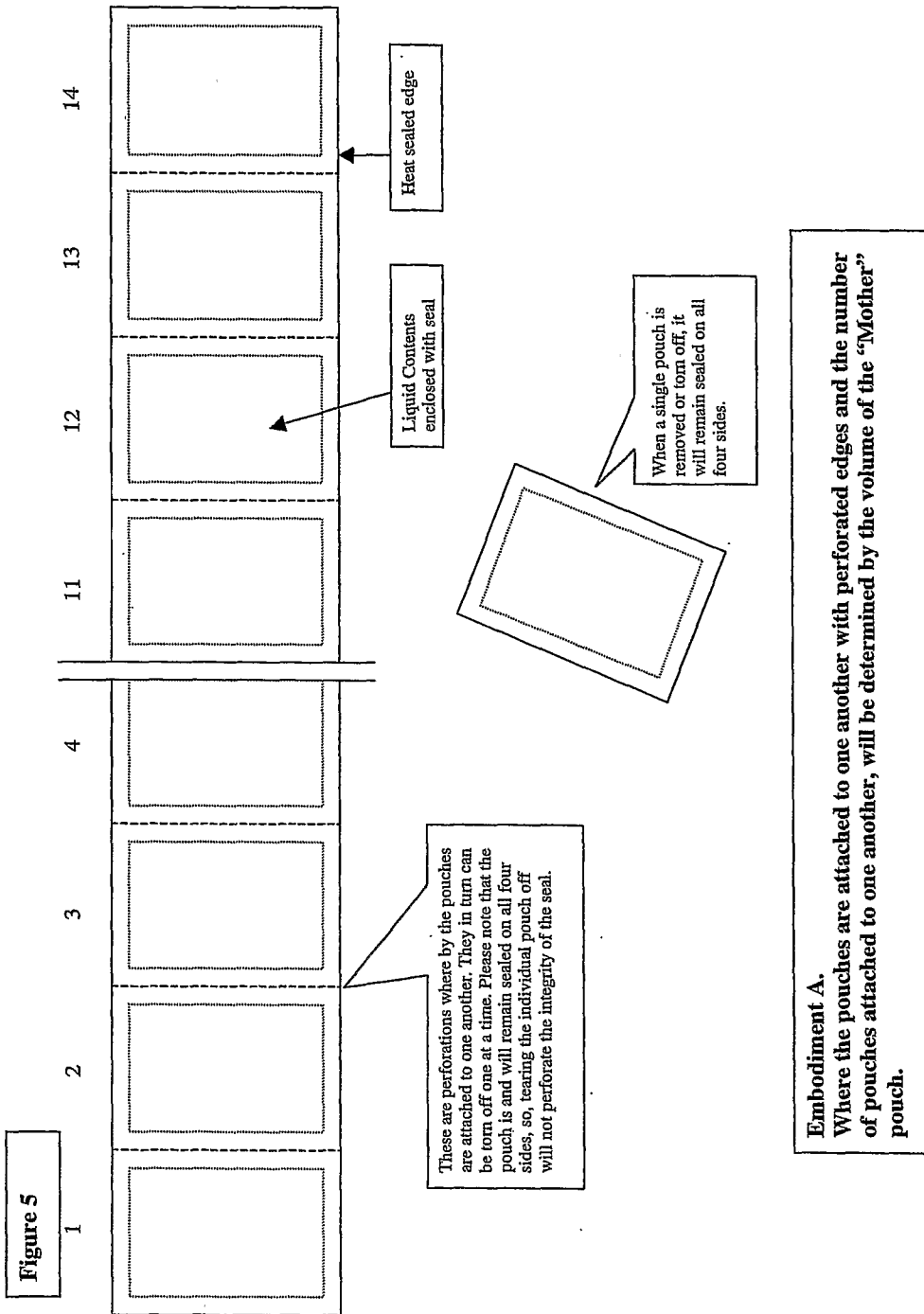


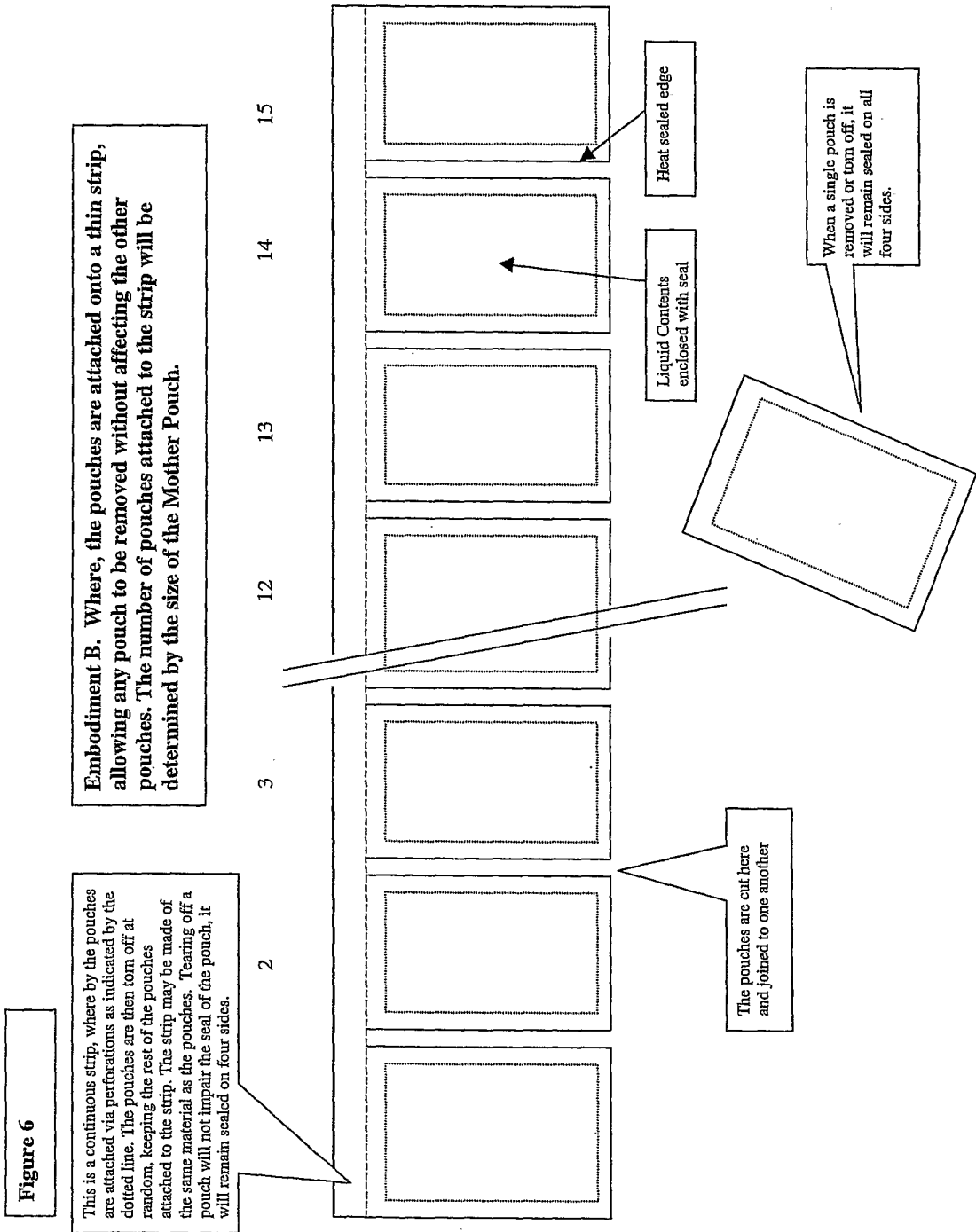
Figure 4

Embodiment 4. of the Mother Pouch, Where there are no specific lengths and widths mentioned, as this may vary from quantity to quantity.









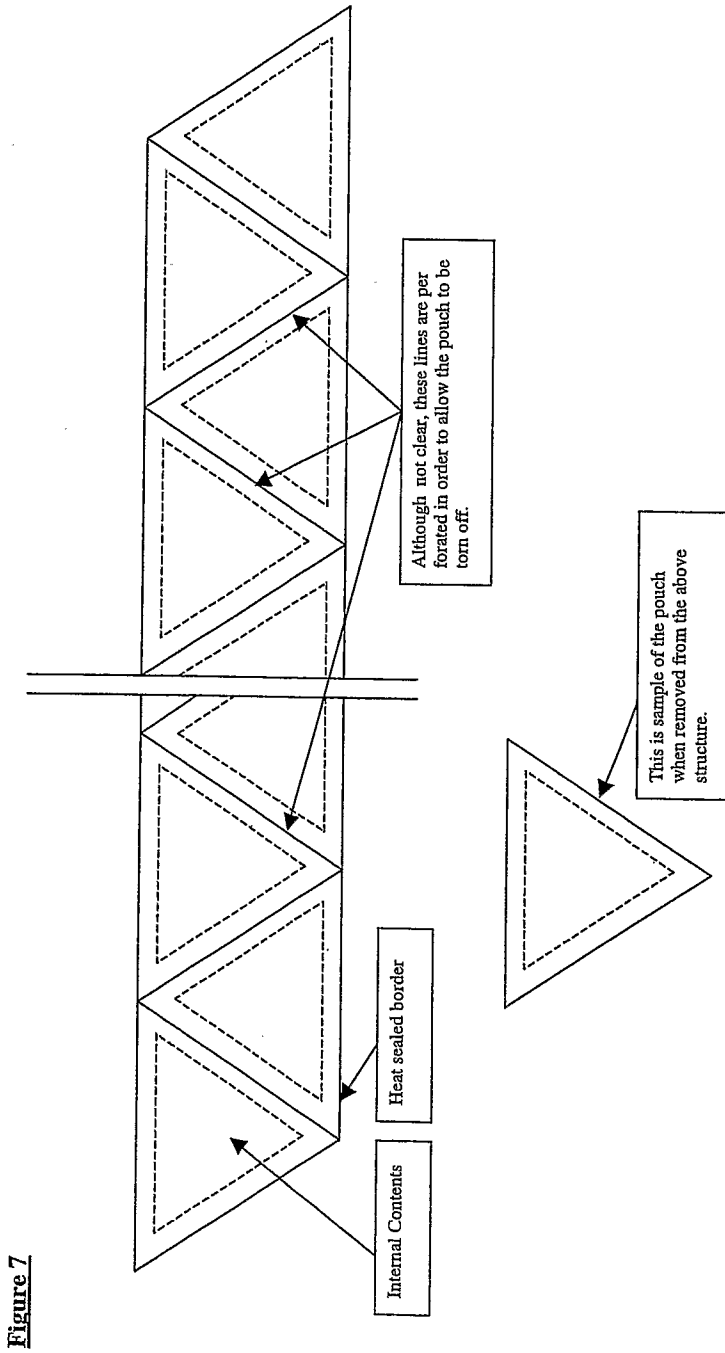
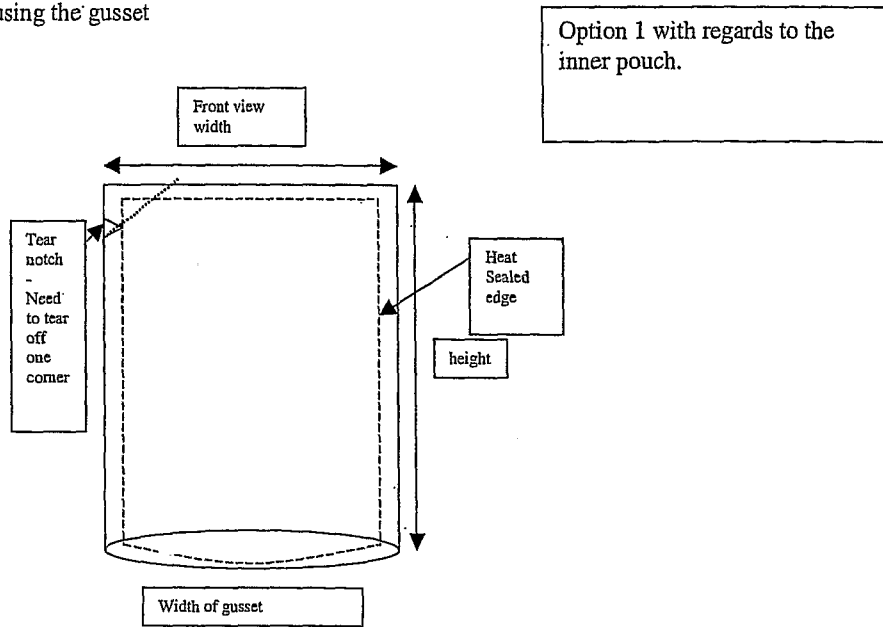


Figure 7

**Embodiment C.**  
Where the pouches are attached to one another with perforated edges and the number of pouches attached to one another, will be determined by the volume of the "Mother" pouch.

**Figure 8A**  
Small pouch diagram, with stand up ability using the gusset



**Figure 8B**

