Jan. 21, 1958 C. B. KROMSTEN 2,820,491

CARTON WITH ACCOMPANYING MEASURING CUP

Filed Feb. 15, 1956

Fig. 1

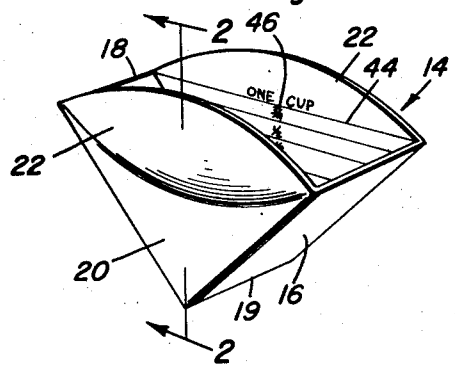


Fig. 2

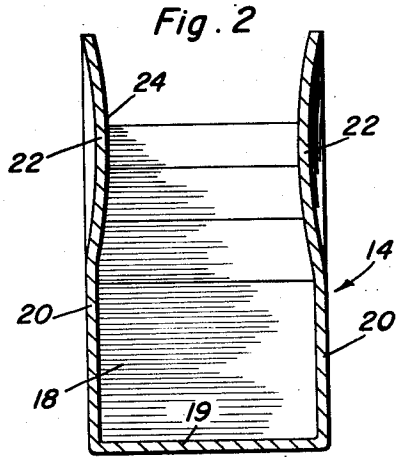
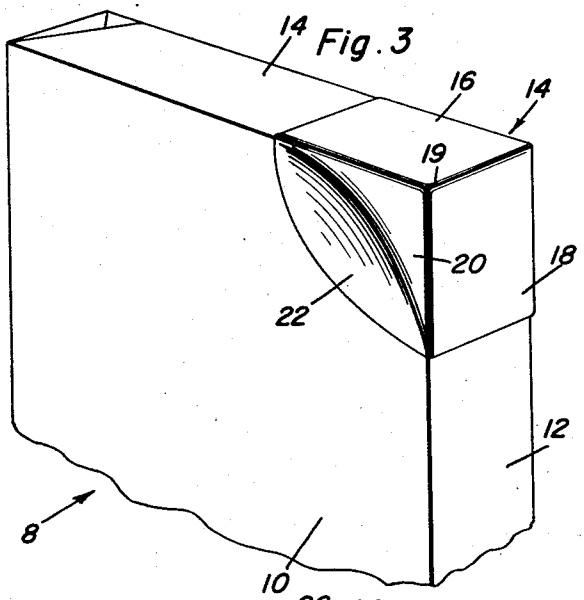


Fig. 3



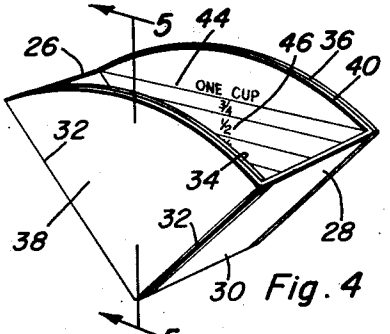


Fig. 4

Fig. 5

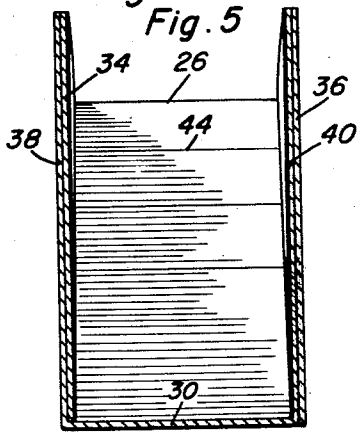
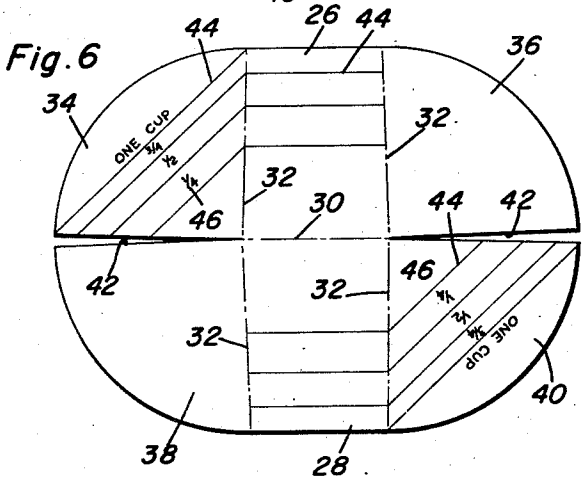


Fig. 6



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CARTON WITH ACCOMPANYING MEASURING CUP

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3 Claims. (Cl. 141—381)

The present invention relates to a conventional commodity containing carton, a cardboard or pasteboard soap powder box, for example, and an accompanying corner-type measuring cup, that is, a cup which is sold as a component part of the stated box whereby to thus provide a single package, box, with attached cup, for handy and practical sale and subsequent domestic use.

An object of the invention is to combine the corner-type measuring cup and box or carton and to cap the cup over one of the upper corners of the carton in a position which will make its purpose and accessibility self-evident to the prospective user and, being in the nature of a premium to the purchaser, to fulfill the mutual requirements and needs of manufacturers, retailers and purchasers.

Generically speaking in carrying out a preferred embodiment of the invention, a measuring cup which may be of one-piece commercial plastics or, alternatively, of cardboard or equivalent throw-away stock, is utilized. This comprises flat rectangular end walls joined together at adjacent ends and having connecting web-like sector-shaped side walls, and the over-all cup being thus susceptible of being capped over one corner of the box and the side walls having retentive properties so that by yieldingly and frictionally gripping the adjacent front and back walls of the carton or box, the cup is satisfactorily held in place for packaging, sale and subsequent usage.

Other objects, features and advantages will become more readily apparent from the following description and the accompanying sheet of illustrative drawings.

In the drawings, wherein like numerals are employed to designate like parts throughout the views:

Figure 1 is a perspective view of a measuring cup constructed in accordance with the principles of the present invention;

Figure 2 is a view on an enlarged scale taken on the vertical line 2—2 of Figure 1 looking in the direction of the arrows;

Figure 3 is a fragmentary perspective view of the upper portion of the carton with the cup capped over the corner of the box or carton illustrating what may be said to be the combination aspect of the concept;

Figure 4 is a perspective view, similar to Figure 1, showing a modified construction;

Figure 5 is an enlarged section on the vertical line 5—5 of Figure 4 looking in the direction of the arrows; and,

Figure 6 is a plan view of the cardboard or equivalent sheet material blank or cutout from which the form of the cup seen in Figs. 4 and 5 is made.

Referring now to the drawings with the aid of reference numerals and especially to Figs. 1 to 3 inclusive, in Figure 3 the numeral 8 designates a cardboard carton for granular material or an equivalent commodity. The material contained in the carton is, of course, patentably immaterial here and it is sufficient to say that it may be coffee, sugar, spices, etc. For clearness it is presumed here to be granulated soap powder or a similar product. In any event, the broad, flat front and back walls are denoted at 10 and narrow end walls 12 and top and bottom walls (bottom wall not shown) denoted at 14. Stated otherwise, this is a regular walled pasteboard box of a well-known type having four corners and the upper right-hand corner is preferably used as the place of attachment and retention of the attachable and removable measuring cup 14. This is constructed from plastic sheet material of an appropriate grade commonly referred to in the trade as commercial plastics and it is of general V-shaped form in side elevation and of one-piece molded construction and is characterized by a pair of flat rectangular complemental walls 16 and 18 joined at adjacent ends by a bend 19 and therefore disposed at right angles to each other. The connecting web-like side walls 29 are sector-shaped and these are preferably provided with identations 22 which are sufficiently depressed that convex interior surfaces 24 are provided and these are slightly yieldable and provide friction retaining grips.

Instead of using a one-piece construction as described, it is within the purview of the invention to construct the measuring cup from cardboard or the like. The blank from which this form is constructed is generally ovate in plan, that is, when the blank is flat as shown in Fig. 6. Referring to Fig. 6, the end walls corresponding to the walls 16 and 18, are denoted by the numerals 26 and 28 and, here again, they are generally rectangular and flat. It will be noticed, however, that the junctional connection here is in the form of a fold or crease 30 and that the connected ends are slightly wider than the outer ends. Stated otherwise, the outer ends are slightly narrower as defined by the lengthwise fold lines or creases 32. To the right and left of the wall 26 the blank includes a quadrantal panel or component 34 and at the other side the complemental one 36. Thus, these constitute one pair of components and the other pair are denoted, respectively, by the numerals 38 and 40. Here again, they are quadrantal in shape. The respective pairs 34 and 36, on the one hand, and 38 and 40, on the other hand, are separated by parting slots 42 slightly V-shaped as shown. When the components are bent and folded into their intended positions, the diagonally opposite ones 34 and 40 are folded inwardly to form the inner plies and the other ones 36 and 38 overlap and constitute the outer plies which are glued or otherwise fastened together to make up the finished product seen in Figs. 4 and 5. In any event, the construction is basically the same as that described wherein the walls 26 and 28 correspond to walls 16 and 18 and the double ply side walls correspond to the aforementioned walls 29. Also the side walls in this form of the invention slant slightly toward each other to provide the desired friction retaining or gripping action. The numerals 44 and 46 designate indicating lines and graduations to assist in measuring the quantity of powder contained in the cup when the latter is in use.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be restorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. In combination, a commodity containing carton, a pasteboard soap powder box, for example, having connected cooperating walls forming the usual top and bottom corners, and a powder collecting and measuring cup

generally V-shaped in side elevation and thus conformingly shaped and fitted accessibly and removably on one of said corners, said cup being capped over and having spaced parallel walls which are friction-held on said corner and interior surfaces of said walls being provided with graduated, visibly marked lines indicative of the varying amounts of powder which is susceptible of being contained in and measured by the lines on said cup.

2. For use on a selected corner of a pasteboard soap power box or the like; a corner-cup V-shaped in side elevation and adapted to be conformably fitted and capped over the selected corner in a manner to accompany said box as a premium to a purchaser, said cup having a pair of converging flat end walls joined together in a position at right angles to each other, and a pair of spaced parallel segmental side walls, portions of the latter being dished and indented to yieldably contact and friction-grip cooperating corner portions of the complemental side walls of said box, said cup being of one-piece construction and made from commercial plastics.

3. For use on a selected corner of a pasteboard soap

powder box or the like; a corner-cup which is conformably fitted and capped over the selected corner in a manner to accompany said box as a premium to a purchaser, said cup having a pair of flat end walls joined together in a position at right angles to each other, and a pair of spaced parallel side walls, portions of the latter being fashioned and coordinated to yieldably contact and friction-grip cooperating portions of the complemental side walls of said box, said cup being constructed from a pasteboard blank cut out to provide folding end and side walls, the end walls being generally rectangular and the side walls sector-shaped and there being pairs of side walls and intervening parting slots.

References Cited in the file of this patent

UNITED STATES PATENTS

235,789	Lehmann	Dec. 21, 1880
1,366,006	Jehn	Jan. 18, 1921
1,901,742	Fitzhugh	Mar. 14, 1933
2,444,104	Marken	June 29, 1948