

OPENING MOUTH OF GABLE TOP TYPE PAPER CONTAINER

Technical field

[0001] The present invention relates to the opening 5 mouth of gable top type paper container from which is it very easy to drink even when drinking directly by mouth, due to the pouring spout being readily changed into a drinking spout.

Prior art references

Patent references

[0002] Patent Reference 1: JP H08-113233 (A)

Summary description of the invention

Problems the invention aims to solve

[0003] The prior art is identical in that it is possible to drink directly by mouth from the container, but the idea of making a slit in a paper container which is basically vulnerable to external impact entails the risk of reducing the strength and durability of the container. Also the necessary use of fingers to fold back the section of the drinking spout with the slit in it is undesirable in terms of hygiene.

[0004] When drinking from a gable top type paper container, a straw or cup had to be used due to the lack of a drinking spout. Because of this, when this is purchased at a convenience store or other retail outlet, or when milk is supplied in schools using such a container, a straw is supplied almost automatically, resulting in a large increase in the consumption of straws. Also, although it possible to drink directly from the pouring spout, this is very difficult due to the tapering shape of the spout.

[0005] The present invention provides a method of making it possible to drink directly without the use of a straw or cup by simply reforming the pouring spout into a drinking spout. Another result of this is a reduction in the number of straws used, which is currently very large, and this will contribute to improving global environment.

Means by which the problems are solved

[0006] The tapered pouring spout can be readily changed into a flat surface which makes it easy to drink directly by mouth, by creating folding lines on the pouring spout at the packaging manufacturing stage of the gable top type paper container so that after it has been opened and the pouring spout has been pulled out, this can be folded while the tip section of the pouring spout is pressed in using the fingers.

Effects of the invention

[0007] Drinking with greater control can be facilitated by changing 5 the tapered section into a flat surface by folding along the folding lines of the pouring spout after it has been pulled out and bringing the lower lip into contact with this flat surface.

[0008] Furthermore, since this is a simple structure, in that it is simply folded along a folding line, the paper container itself is transformed from a container for a drink into a cup from which a drink can be drunk, so that the drink can be consumed without the use of a straw or cup and at any location including outdoor locations such as a park. This will result in a reduction in the use of straws with ecological consequences.

[0009] Drinks containing fruit pulp are unsuitable for drinking through a straw as the straw becomes blocked but, even when there is no cup to hand, it is possible to enjoy the texture of the fruit pulp by drinking such drinks directly from the container. Also when it becomes desirable to increase consumption of liquids during summer, it is possible to drink more copiously and for thirst to be quenched more rapidly, and thus to be refreshed, than when a straw is used.

Simple description of the figures

[0010] [Figure 1] A figure detailing folding lines 1, 2 and 3 for the reforming of the tip section 4 of the pouring spout into a drinking spout

[Figure 2] A figure detailing a method of the changing of the drinking spout by folding along folding lines 1, 2 and 3 as the tapered section of the pouring spout 4 is pressed in using fingers.

[Figure 3] A plan view after it has been folded along folding lines 1, 2 and 3 applied to the pouring spout to form a flat surface and change this into a drinking spout

Embodiment of the Invention

[0011] When the method according to the invention is used, folding lines 1, 2 and 3 are created in the pouring spout section of the gable top type paper container, as in Figure 1, at the packaging manufacturing stage.

[0012] It is then possible, as shown in Figure 2, on pulling out the pouring spout to flatten out the tapered tip section by folding along the folding lines 1, 2 and 3 while the tapered tip section 4 is pushed in using a finger.

[0013] Thus although the pouring spout of the prior art is unsuitable for drinking from directly since it is tapering and causes spillage, it is possible to drink safely by applying the lower lip when the pouring spout has been transformed into a flat surface as shown in the plan view in Figure 3.

Industrial applicability

[0014] Since the only necessary feature for the invention to be implemented is the application of folding lines to the gable top type paper container, there is no need for new, large-scale equipment and it can thus be used without the imposition of any burden on industry.

[0015] Since the gable top type paper containers of the prior art are, as stated above, unsuitable for drinking from directly by mouth, one great imposition on the drinks manufacturers and retail outlets is the provision of straws.

When the gable top type paper container according to the invention is used, however, both a large reduction in cost will be achieved along with enhancement of the company's image due to this ecological consciousness.

[0016] In addition to retail stores, the invention may be used effectively as paper containers for milk in school dining rooms, company canteens and the like, when it can be anticipated that the use of straws will end completely.

[Legend]

[0017] 1 --- Folding line for the formation of the necessary flat surface when the pouring spout is changed into a drinking spout.

2 --- Folding line for the formation of the necessary flat surface when the pouring spout is changed into a drinking spout.

3 --- Folding line for the formation of the necessary flat surface when the pouring spout is changed into a drinking spout.

4 --- Tapering tip section of the pouring spout exposed when pulled out after opening.

WE CLAIM:

[Claim 1] The opening mouth of a paper pack container, characterised as being the pouring spout of a gable top type container 5 which is pulled out after opening and is provided with a flat surface as a drinking spout by the tapered tip section being pushed back.

[Claim 2] An opening mouth of a gable top type paper pack container according to Claim 1, characterised in that folding lines are formed on both sides of said flat surface.