

RESEALABLE SPOUT FOR SELECTIVELY ACCESSING COCONUT WATER WITHIN A COCONUT

BACKGROUND OF THE INVENTION

Technical Field of the Invention

The present invention relates generally to spigots and, more specifically, to a spigot for a coconut that provides easy access by consumers to the sterile coconut water within a coconut. The spigot is comprised of a conduit having a spike-tip on one end and a spout on the other with a through bore therebetween. A retaining ring is also provided as a stop for the spigot. A spigot cap is placed over the spigot and covered with a protective member.

The coconut having a spigot is provided to the consumer whereby the consumer gains access to the sterile coconut water by pushing the partially inserted spigot to its seated position.

Initially the spigot is inserted through the husk and into the coconut meat having a length of un-inserted conduit extending from the exterior. The spigot remains within the coconut meat until time of use maintaining the sterile condition of the coconut water until selective consumption by the consumer.

The present invention further provides for an optional air vent and straw that optionally provides for a filter to prevent pulp from being drawn into the straw.

Further provided are the additional elements of a coconut stand and handle mountable to the coconut and a spigot having a plunger movable from a fluid blocking position within the spigot to an unblocking position so that the coconut water can be poured into a glass.

SUMMARY OF THE INVENTION

A primary object of the present invention is to provide spigot access to the coconut water within a coconut.

Another object of the present invention is to provide access to coconut water within a coconut by initially inserting the spigot through the husk and into the coconut meat without piercing the coconut water cavity.

Yet another object of the present invention is to provide a spigot having a cap that is placed over the partially inserted spigot to prevent casual displacement of the spigot during shipping and handling.

Still yet another object of the present invention is to provide a spigot a protective member serving as a tamper evident seal.

An additional object of the present invention is to provide easy access by consumers to the coconut water within a coconut without compromising its sterile contents.

A further object of the present invention is to provide a spigot that will provide access to the coconut water within a coconut by a consumer pressing the spigot through the remained of the coconut meat and into the coconut water cavity.

A yet further object of the present invention is to provide an optional air vent having a resealable aperture.

A still further object of the present invention is to provide a straw that may have a filter on one end to prevent pulp from being drawn in.

Another object of the present invention is to provide a stand for a coconut.

Yet another object of the present invention is to provide a handle attachable to a coconut.

Still yet another object of the present invention is to provide a spigot having a plunger that is movable from a blocking position to an unblocking position so that the coconut water can be poured into a glass.

The foregoing and related objects are achieved by the present invention, which provides a resealable spout for selectively accessing coconut water within a coconut having a spigot for a coconut that allows easy access by consumers to the sterile coconut water within a coconut. The spigot is comprised of a conduit having a lance on one end and a flange on the other having a through bore therebetween. A retaining ring is provided as a stop for the spigot. A spigot cap is placed over the spigot and covered with a protective member. The coconut having a spigot is provided to the consumer whereby the consumer gains easy access to the sterile coconut water by pushing the partially inserted spigot to its seated position.

More particularly, the spigot of the present invention is preferably comprised of a valve seat positioned within a coconut aperture and a plunger sleeve positioned within the valve seat. The plunger sleeve has a based positioned membrane that seals the coconut aperture. A plunger-stopper is tethered to the plunger sleeve for shipping and storage and is used by the consumer to pierce the plunger sleeve membrane to gain access to the coconut water. The plunger sleeve is also used to reseal the coconut aperture to preserve any remaining coconut water for future consumption.

Further provided is an additional, preferred embodiment for a spigot comprising a conduit having a spike-tip on one end and a spout on the other with a through bore therebetween. The coconut having a partially inserted spigot is provided to the consumer whereby the consumer gains access to the sterile coconut water by pushing the partially inserted spigot to its seated position with a grommet provided as an insertion stop for the spigot. An optional air vent is provided to aid in fluid flow from the spigot.

Other objects and features of the present invention will become apparent when considered in combination with the accompanying drawing figures which illustrate certain preferred embodiments of the present invention. It should, however, be noted that the accompanying drawing figures are intended to illustrate only certain embodiments of the claimed invention and are not intended as a means for defining the limits and scope of the present invention.

BRIEF DESCRIPTION OF THE DRAWING FIGURES

In the drawing, wherein similar reference numerals and symbols denote similar features throughout the several views:

FIG. 1 is a sectional view of a coconut with and without the coconut husk providing means for accessing the coconut water when desired;

FIG. 2 is an exemplary view of the present invention in use;

FIG. 3 is an elevational, sectional view of the coconut spigot partial inserted into a coconut;

FIG. 4 is an elevational, sectional view of the coconut spigot partial inserted into a coconut;

FIG. 5 is an elevational, sectional view of the coconut spigot partial inserted into a coconut with spigot cap removed;

FIG. 6 is an elevational, sectional view of the coconut spigot inserted into the coconut water cavity.

FIG. 7 is an elevational, sectional view of the coconut spigot partially inserted into the coconut;

FIG. 8 is an elevational, sectional view of the coconut spigot partial inserted into a coconut;

FIG. 9 is an elevational, sectional view of the coconut spigot partially inserted into the coconut;

FIG. 10 is an elevational, sectional view of the coconut spigot fully inserted into the coconut cavity;

FIG. 11 is an exemplary view of the present invention in use;

FIG. 12 is an exemplary view of the present invention in use;

FIG. 13 is an elevational, sectional view of the coconut spigot partial inserted into a coconut;

FIG. 14 is an elevational, sectional view of the coconut spigot partial inserted into a coconut;

FIG. 15 is an elevational, sectional view of the coconut spigot partial inserted into a coconut with cap removed;

FIG. 16 is an elevational, sectional view of the coconut spigot inserted into the coconut water cavity;

FIG. 17 is an elevational, sectional view of the coconut spigot partially inserted into the coconut;

FIG. 18 is an elevational, sectional view of the coconut spigot partially inserted into the coconut;

FIG. 19 is an elevational, sectional view of the coconut spigot partially inserted into the coconut;

FIG. 20 is an elevational, sectional view of the coconut spigot fully inserted into the coconut cavity;

FIG. 21 is an elevational, sectional view of the coconut spigot inserted into the coconut water cavity;

FIG. 22 is an elevational, sectional view of the coconut spigot inserted into the coconut water cavity;

FIG. 23 is an elevational, sectional view of a coconut having a straw with slits and a closed end;

FIG. 24 is an exemplary view of a stand and handle for a coconut;

FIG. 25 is a prospective, exemplary of an alternate preferred embodiment of the present invention;

FIG. 26 is a prospective, exemplary view of the plunger-stopper providing access to the coconut water;

FIG. 27 is an elevational, exemplary view of the resealable spout in use;

FIG. 28 is a prospective, exemplary view of the coconut resealed for future consumption;

FIG. 29 is an exploded, elevational view of an alternate preferred embodiment of the present invention; and,

FIG. 30 is an exploded, elevational view of an alternate preferred embodiment of the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS
AND DRAWING FIGURES

Turning now, in detail, to an analysis of the drawing figures, FIG. 1 is a sectional view of a coconut with and without the coconut husk providing means for accessing the coconut water when desired. The present invention **10** provides a spigot **28** that is partially inserted into the coconut meat **22** and then shipped to consumers who then complete inserting the spigot **28** through the coconut meat **22** into the coconut cavity **24** providing access to the sterile coconut water **26**. As illustrated, the present invention provides that the spigot **28** can be used with coconuts **14** having husk **16** or with the husk removed leaving the coconut seed having coconut seed-case **20**.

FIG. 2 illustrates the present invention **10**, which provides a spigot **28** that is partially imbedded into a coconut seed **18** so that a consumer **12** can gain access to the coconut water **26** by completing the insertion of the spigot **28** through the coconut meat.

FIG. 3 is a sectional view of the coconut spigot partial inserted into a coconut showing the present invention **10** as having means for a consumer to easily extract coconut water **26** from coconut cavity **24** by partially inserting a spigot **28** comprising spout **30**, conduit **32** having spike-tip **34** through grommet **36** and coconut seed **18** having coconut seed-case **20** and into the coconut meat **22** and then covering the spigot **28** with spigot cap **38** having flange **40** frictionally engaging grommet **36** and a protective member in cap seal **42**. Alternately provided is air valve **44** having tethered bung **46** for bleeding air into the coconut cavity **24** as the coconut water **26** is removed.

FIG. 4 is a sectional view of the coconut spigot partial inserted into a coconut. Illustrated is the cap seal **42** removed from its seated position. Cap seal **42** serves as a tamper evident covering for the consumer and to prevent contamination of the spigot cap **38** prior to consumer access. The present invention **10** provides means for a consumer to

easily extract coconut water **26** from coconut cavity **24** by partially inserting spigot **28** comprising spout **30**, conduit **32** having spike-tip **34** through grommet **36** and coconut seed **18** having coconut seed-case **20** and into the coconut meat **22** and then covering the spigot **28** with spout cap **38** having flange **40** frictionally engaging grommet **36** and a protective member **42**. Alternately provided is air valve **44** having tethered bung **46** for bleeding air into the coconut cavity **24** as the coconut water **26** is removed.

FIG. 5 is a sectional view of the coconut spigot partial inserted into a coconut with spigot cap removed. With the cap seal removed the spigot cap **38** having flange **40** frictionally engaging grommet **36** is removed providing access to spigot **28**, comprising spout **30**, conduit **32** terminating in spike-tip **34** that has been positioned within coconut meat **22** of coconut seed **18** having coconut seed-case **20** where then the consumer can easily push spigot **28** through the remainder of coconut meat **22** into the coconut water cavity **24** thereby having access to the sterile coconut water **26**. Alternately provided is air valve **44** having tethered bung **46** for bleeding air into the coconut cavity **24** as the coconut water **26** is removed.

FIG. 6 is a sectional view of the coconut spigot inserted into the coconut water cavity. Illustrated is spigot **28** comprising spout **30** and conduit **32** terminating in spike-tip **34** fully inserted through coconut meat **22** into the coconut cavity **24** of coconut seed **18** having coconut seed-case **20** thereby providing access to coconut water **26**. Grommet **36** serves as attachment for the spigot cap and as a stop for completing the insertion of spigot **28** into coconut cavity **24**.

FIG. 7 is a sectional view of the coconut spigot partially inserted into the coconut. Illustrated is the cap seal **42** removed from its seated position. Cap seal **42** serves as a tamper evident covering for the consumer and to prevent contamination of the spigot cap **38** prior to consumer access. The present invention **10** provides means for a consumer to easily extract coconut water via partially inserting spigot **28** comprising spout **30**, conduit **32** having spike-tip **34** through grommet **36** and coconut seed **18** having coconut seed-case **20** and into the coconut meat **22** and then covering the spigot **28** with spout cap **38** having flange **40** frictionally engaging grommet **36** and a protective member **42**.

FIG. 8 is a sectional view of the coconut spigot partial inserted into a coconut. Shown is the cap seal removed from spigot cap **38** with flange **40** frictionally engaging grommet **36** preventing casual displacement of spigot **28** during shipping and handling. Spigot **28** is comprised of spout **30** and conduit **32** terminating in spike-tip **34**. Spigot **28** is inserted trough grommet **36** into coconut seed **18** having coconut seed-case **20** until spike-tip **34** is imbedded in coconut meat **22** without compromising the coconut cavity having the coconut water therein.

FIG. 9 is a sectional view of the coconut spigot partially inserted into the coconut. Illustrated is the cap seal and spigot cap **38** having flange **40** removed from its frictional engagement with grommet **36** thereby providing access to spigot **28**, comprising spout **30**, conduit **32** terminating in spike-tip **34** that has been positioned within coconut meat **22** of coconut seed **18** having coconut seed-case **20** wherethen the consumer can easily push spigot **28** through the remainder of coconut meat **22** into the coconut water cavity to access the sterile coconut water.

FIG. 10 is a sectional view of the coconut spigot fully inserted into the coconut cavity. Illustrated is spigot **28** comprising spout **30** and conduit **32** terminating in spike-tip **34** fully inserted through coconut meat **22** into the coconut cavity of coconut seed **18** having coconut seed-case **20** thereby providing access to coconut water. Grommet **36** serves as attachment for the spigot cap and as a stop for completing the insertion of spigot **28** by the consumer into the coconut cavity.

FIG. 11 is an exemplary view of the present invention in use, in which the present is shown as including a spigot **28** that is partially imbedded into a coconut **14** having coconut husk **16** so that a consumer **12** can gain access to the coconut water **26** by completing the insertion of the spigot **28** through the coconut meat **22** into coconut cavity **24**. Coconut **14** has coconut husk **16** encasing coconut seed **18** having seed-case **20**. The present invention provides for the present invention with husk **16** or without husk **16** as previously illustrated. Grommet **32** is placed on coconut husk **16** and spigot **28** is inserted through husk **16** and coconut seed **18** having seed-case **20** into coconut meat **22** so that consumer **12** can easily complete the spigot insertion into coconut cavity **24** to access

coconut water **26**.

FIG. 12 is an exemplary view of the present invention **10** as including means for a consumer to easily extract the coconut water **26** of coconut **14** from coconut cavity **24** by partially inserting a spigot **28** comprising spout **30**, conduit **32** having spike-tip **34** through grommet **36**, coconut husk **16**, coconut seed **18** having coconut seed-case **20** and into the coconut meat **22** and then covering spigot **28** with spigot cap **38** having flange **40** frictionally engaging grommet **36** and a cap seal. Alternately provided is air valve **44** having tethered bung **46** for bleeding air into the coconut cavity **24** as the coconut water **26** is removed.

FIG. 13 is a sectional view of the coconut spigot partial inserted into a coconut. The present invention **10** provides means for a consumer to easily extract coconut water **26** from coconut **14** having husk **16** by partially inserting a spigot **28** comprising spout **30**, conduit **32** having spike-tip **34** through grommet **36**, coconut husk **16** and coconut seed **18** having coconut seed-case **20** and into the coconut meat **22** and then covering the spigot **28** with spigot cap **38** having flange **40** frictionally engaging grommet **36** and a protective member in cap seal **42**. Alternately provided is air valve **44** having tethered bung **46** for bleeding air into the coconut cavity **24** as the coconut water **26** is removed.

FIG. 14 is a sectional view of the coconut spigot partial inserted into a coconut. Illustrated is the cap seal **42** removed from its seated position. Cap seal **42** serves as a tamper evident covering for the consumer and to prevent contamination of the spigot cap **38** prior to consumer access. The present invention **10** provides means for a consumer to easily extract coconut water **26** from coconut cavity **24** by partially inserting spigot **28** comprising spout **30**, conduit **32** having spike-tip **34** through grommet **36** into coconut **14** having coconut husk **16** and coconut seed **18** having coconut seed-case **20** and into the coconut meat **22** and then covering the spigot **28** with spout cap **38** having flange **40** frictionally engaging grommet **36** and a protective member **42**. Alternately provided is air valve **44** having tethered bung **46** for bleeding air into the coconut cavity **24** as the coconut water **26** is removed.

FIG. 15 is a sectional view of the coconut spigot partial inserted into a coconut

with cap removed. With the cap seal removed the spigot cap **38** having flange **40** frictionally engaging grommet **36** is removed providing access to spigot **28**, comprising spout **30**, conduit **32** terminating in spike-tip **34** that has been positioned within coconut meat **22** of coconut **14** having husk **16** and coconut seed **18** having coconut seed-case **20** where then the consumer can easily push spigot **28** through the remainder of coconut meat **22** into the coconut water cavity **24** thereby having access to the sterile coconut water **26**. Alternately provided is air valve **44** having tethered bung **46** for bleeding air into the coconut cavity **24** as the coconut water **26** is removed.

FIG. 16 is a sectional view of the coconut spigot inserted into the coconut water cavity. Illustrated is spigot **28** comprising spout **30** and conduit **32** terminating in spike-tip **34** fully inserted through coconut meat **22** into the coconut cavity **24** of coconut **14** having husk **16** encompassing coconut seed **18** having coconut seed-case **20** thereby providing access to coconut water **26**. Grommet **36** serves as attachment for the spigot cap and as a stop for completing the insertion of spigot **28** into coconut cavity **24**.

FIG. 17 is a sectional view of the coconut spigot partially inserted into the coconut. Illustrated is the cap seal **42** removed from its seated position. Cap seal **42** serves as a tamper evident covering for the consumer and to prevent contamination of the spigot cap **38** prior to consumer access. The present invention **10** provides means for a consumer to easily extract coconut water via partially inserting spigot **28** comprising spout **30**, conduit **32** having spike-tip **34** positioned through grommet **36** situated on coconut **14** husk **16** encompassing coconut seed **18** having coconut seed-case **20** and into the coconut meat **22** and then covering the spigot **28** with spout cap **38** having flange **40** frictionally engaging grommet **36** and covered by cap seal **42**.

FIG. 18 is a sectional view of the coconut spigot partially inserted into the coconut. Illustrated is the cap seal and spigot cap **38** having flange **40** removed from its frictional engagement with grommet **36** thereby providing access to spigot **28**, comprising spout **30**, conduit **32** terminating in spike-tip **34** that has been positioned within coconut meat **22** of coconut **14** having husk **16** encompassing coconut seed **18** having coconut seed-case **20** where then the consumer can easily push spigot **28** through

the remainder of coconut meat **22** into the coconut water cavity to access the sterile coconut water.

FIG. 19 is a sectional view of the coconut spigot partially inserted into the coconut. Illustrated is the cap seal and spigot cap **38** having flange **40** removed from its frictional engagement with grommet **36** thereby providing access to spigot **28**, comprising spout **30**, conduit **32** terminating in spike-tip **34** that has been positioned within coconut meat **22** of coconut **14** having husk **16** encompassing seed **18** having coconut seed-case **20** where then the consumer can easily push spigot **28** through the remainder of coconut meat **22** into the coconut water cavity to access the sterile coconut water.

FIG. 20 is a sectional view of the coconut spigot fully inserted into the coconut cavity. Illustrated is spigot **28** comprising spout **30** and conduit **32** terminating in spike-tip **34** fully inserted through coconut meat **22** into the coconut cavity of coconut **14** having coconut husk **16** encompassing coconut seed **18** having coconut seed-case **20** thereby providing access to coconut water. Grommet **36** serves as attachment for the spigot cap and as a stop for completing the insertion of spigot **28** into the coconut cavity.

FIG. 21 is a sectional view of an additional element comprising closable grommet and straw. The present invention **10** alternately provides for spigot **28** having spout **30** with closable bung **46**, conduit **32** terminating in spike-tip **34** placed through grommet **36** and coconut seed **18** having coconut seed-case **20** through coconut meat **22** and into coconut cavity **24** where then the consumer can extract the coconut water through straw **48** having filter **50** to prevent pulp from being drawn into the straw.

FIG. 22 is a sectional view of an additional element comprising closable grommet and straw. The present invention **10** also provides for spigot **28** having spout **30** with closable bung **46**, conduit **32** terminating in spike-tip **34** placed through grommet **36** positioned on coconut **14** having husk **16** encompassing coconut seed **18** having coconut seed-case **20** through coconut meat **22** and into coconut cavity **24** where then the consumer can extract the coconut water through straw **48** having filter **50** to prevent pulp from being drawn into the straw.

FIG. 23 is a sectional view of the coconut spigot inserted into the coconut water cavity. Illustrated is spigot **28** comprising spout **30** and conduit **32** terminating in spike-tip **34** fully inserted through coconut meat **22** into the coconut cavity **24** of coconut seed **18** having coconut seed-case **20** thereby providing access to coconut water **26** via straw **48** having filter **50**. Grommet **36** serves as attachment for the spigot cap and as a stop for completing the insertion of spigot **28** into coconut cavity **24** with bung **46** serving as closure to keep any unconsumed coconut fresh.

FIG. 24 is an illustrative view of additional elements of the present invention. More particularly, the present invention **10** provides for a coconut stand **52** and coconut handle **54** as a convenience for accessing the coconut water. Further provided is spigot **28** having a plunger **56** that seals spigot **28** to keep the coconut water fresh until the plunger is selectively removed from the spigot conduit where then the consumer can dispense the coconut water into glass **58**.

FIG. 25 is an illustrative view of an alternate preferred embodiment of the present invention. Shown is coconut **20** having aperture **60** placed within the wall having a predetermined diameter so that valve plug **80** seats within said aperture with valve plug collar **82** substantially engaging the wall of aperture **60**. Valve plug **80** has valve plug bore **84** for receiving plunger sleeve **72** having plunger sleeve bore **74** with a based positioned plunger sleeve membrane **78** that seals the coconut's contents until plunger stopper **62** having plunger-stopper lance **68** and plunger-stopper lance tip **70** is used to puncture plunger sleeve membrane **78** thereby providing access to the coconut water contained within the coconut. Plunger-stopper **62** is tethered via **66** to plunger sleeve **72**. The plunger-stopper **72** serves to provide access to the coconut's contents and also serves as stopper to seal any remaining coconut contents for future use by providing plunger-stopper **64** that seals plunger sleeve bore **74**.

FIG. 26 is an illustrative view of the plunger-stopper providing access to the coconut water. Coconut **20** has a tooled aperture **60** placed through the seed wall having a predetermined diameter so that valve plug **80** can be pressed into said aperture so that the valve plug collar **82** engages the top periphery wall of said coconut aperture **60** while the

valve plug flange engages the interior periphery wall of said coconut aperture **60**. Plunger sleeve **72** is seated within valve plug bore **84**, shown in figure 30, having a base positioned plunger sleeve membrane **78** that seals the coconut's contents.

FIG. 27 is an illustrative view of the resealable spout in use. The coconut water can be selectively accessed by user **12** once membrane **78** has been punctured using plunger-stopper tip **70**. Plunger-stopper **62** also provides collar **64** having similar diameter as plunger sleeve bore **74** so that the bore spout can be resealed to preserve any remaining coconut water for future consumption.

FIG. 28 is an illustrative view of the coconut resealed for future consumption. Using the tethered plunger stopper **62**, the user **12** can selectively pierce the plunger sleeve membrane **78** allowing access to a desired portion of the coconut water and then reseat the coconut by inserting plunger stopper **62** into the plunger sleeve bore **74** thereby preserving the coconut water for later consumption.

FIG. 29 is an illustrative view of an alternate preferred embodiment of the present invention. Shown is coconut **20** having aperture **60** placed within the wall having a predetermined diameter so that valve plug **80** seats within said aperture with valve plug collar **82** substantially engaging the wall of aperture **60**. Valve plug **80** has valve plug bore **84** for receiving plunger sleeve **72** having plunger sleeve bore **74** with a based positioned plunger sleeve membrane **78** that seals the coconut's contents until plunger stopper **62** having plunger-stopper lance **68** and plunger-stopper lance tip **70** is used to puncture plunger sleeve membrane **78** thereby providing access to the coconut water contained within the coconut. Plunger-stopper **62** is tethered via **66** to plunger sleeve **72**. The plunger-stopper **72** serves to provide access to the coconut's contents and also serves as stopper to seal any remaining coconut contents for future use by providing plunger-stopper **64** that seals plunger sleeve bore **74**.

FIG. 30 is an illustrative view of an alternate preferred embodiment of the present invention. Shown is coconut **20** having aperture **60** placed within the wall having a predetermined diameter so that valve plug **80** seats within said aperture with valve plug collar **82** substantially engaging the wall of aperture **60**. Valve plug **80** has valve plug

bore **84** for receiving plunger sleeve **72** having plunger sleeve bore **74** with a based positioned plunger sleeve membrane **78** that seals the coconut's contents until plunger stopper **62** having plunger-stopper lance **68** and plunger-stopper lance tip **70** is used to puncture plunger sleeve membrane **78** thereby providing access to the coconut water contained within the coconut. Plunger-stopper **62** is tethered via **66** to plunger sleeve **72**. The plunger-stopper **72** serves to provide access to the coconut's contents and also serves as stopper to seal any remaining coconut contents for future use by providing plunger-stopper **64** that seals plunger sleeve bore **74**.

While only several embodiments of the present invention have been shown and described, it will be obvious to those skilled in the art that many modifications may be made to the present invention without departing from the spirit and scope thereof.

List of Reference Numerals

10	Coconut With Spigot of the present invention
12	consumer
14	coconut
16	coconut husk
18	coconut seed
20	coconut seed-case
22	coconut meat
24	coconut seed-case cavity
26	coconut water
28	spigot
30	spout
32	conduit
34	spike-tip
36	grommet
38	spigot cap
40	cap flange
42	cap seal
44	air valve
46	tethered bung
48	straw
50	straw filter
52	stand
54	handle
56	plunger
58	glass
60	coconut aperture
62	plunger-stopper

64	plunger-stopper collar
66	plunger-stopper tether
68	plunger-stopper lance
70	plunger-stopper lance tip
72	plunger sleeve
74	plunger sleeve bore
76	plunger sleeve flange
78	plunger sleeve membrane
80	valve plug
82	valve plug collar
84	valve plug flange
86	pressure

Claims

1. A method for accessing and removing the sterile water within a coconut which comprising:

means for accessing the coconut meat to keep the coconut water sterile until accessed; and,

means to access the coconut water for consumption.

2. The method for accessing and removing the sterile water within a coconut as recited in Claim 1, wherein the means for access the coconut water is a spigot having an open end imbedded in the meat of the coconut.

3. The method for accessing and removing the sterile water within a coconut as recited in Claim 2, wherein said spigot comprises:

a spout for dispensing the sterile water;

a conduit in fluid communication with said spout; and,

a spike-tip for easily inserting the spigot through the remainder of the coconut meat into the coconut cavity.

4. The method for accessing and removing the sterile water within a coconut as recited in Claim 3, further comprising means for stopping the insertion of the spigot into the coconut at a predetermined point.

5. The method for accessing and removing the sterile water within a coconut as recited in Claim 4, wherein said means for stopping the insertion of the spigot into the coconut at a predetermined point is a grommet.

6. The method for accessing and removing the sterile water within a coconut as recited in Claim 5, further comprising cover means for stopping further casual insertion of the spigot into the coconut during shipping and storage.

7. The method for accessing and removing the sterile water within a coconut as recited in Claim 6, wherein said cover means for stopping further casual insertion of the spigot into the coconut during shipping and storage comprises a cap flange engaging the periphery of the grommet.

8. The method for accessing and removing the sterile water within a coconut as recited in Claim 6, further comprising cover-sealing means for preventing tampering and contamination of the spigot cover prior to consumer access.

9. The method for accessing and removing the sterile water within a coconut as recited in Claim 8, further comprising a tethered bung forming spigot closure when there is a quantity of coconut water remaining for future consumption.

10. The method for accessing and removing the sterile water within a coconut as recited in Claim 9, further comprising an air valve inserted through the coconut meat to accelerate flow of the coconut water through the spigot.

11. The method for accessing and removing the sterile water within a coconut as recited in Claim 10, further comprising a tethered bung forming air valve closure when there is a quantity of coconut water remaining for future consumption.

12. The method for accessing and removing the sterile water within a coconut as recited in Claim 8, further comprising a straw insertable through the spigot into the coconut water for retrieving said coconut water through said straw.

13. The method for accessing and removing the sterile water within a coconut as recited in Claim 12, further comprising a straw having a filter to prevent pulp from passing into said straw.

14. The method for accessing and removing the sterile water within a coconut as recited in Claim 1, further comprising a stand to receive a coconut therein.

15. The method for accessing and removing the sterile water within a coconut as recited in Claim 14, further comprising a handle attachable to a coconut for ease of handling.

16. The method for accessing and removing the sterile water within a coconut as recited in Claim 15, further comprising a spigot having a plunger for opening and closing the spigot conduit.

17. The method for accessing and removing the sterile water within a coconut as recited in Claim 1, wherein said coconut has a husk.

18. The method for accessing and removing the sterile water within a coconut as recited in Claim 1, wherein said coconut has the husk removed.

19. A resealable spout for accessing and removing the sterile water within a coconut comprising:

a valve plug having a valve plug bore positioned within a tooled coconut aperture;
and,

a plunger sleeve having a plunger sleeve bore with a base positioned membrane forming a hermetic seal within said bore thereby sealing the coconut aperture to protect the coconut water within said coconut from contamination.

20. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 19, wherein said valve plug further provides a valve plug collar and spaced apart valve plug flange having an external wall extending therebetween.

21. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 20, where said valve plug collar when positioned within the coconut aperture substantially engages the coconut aperture exterior periphery.

22. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 21, where said valve plug flange engages the coconut aperture interior periphery thereby preventing lateral movement of said valve seat within said coconut aperture.

23. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 22, wherein said plunger sleeve further provides a plunger sleeve collar and spaced apart plunger sleeve flange having an external wall extending therebetween.

24. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 23, where said plunger sleeve collar substantially engages the valve plug collar when positioned within said valve plug bore.

25. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 24, where said plunger sleeve flange substantially engages the valve plug flange when positioned within said valve plug bore thereby preventing lateral movement of said plunger sleeve within said valve plug bore.

26. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 25, further comprising a plunger-stopper that is used to provide access to the coconut water through the plunger sleeve bore and to seal the plunger sleeve bore to preserve any remaining coconut water with said coconut.

27. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 26, wherein said plunger-stopper is tethered to said plunger sleeve during shipping and storage.

28. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 27, wherein said plunger-stopper has a plunger-stopper lance and plunger-stopper tip that when positioned within said plunger sleeve bore with pressure applied to the plunger-stopper will rupture the plunger sleeve membrane providing access to the coconut water.

29. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 28, wherein said plunger-stopper has a plunger-stopper collar having similar diameter to said plunger sleeve bore.

30. The resealable spout for accessing and removing the sterile water within a coconut as recited in Claim 29, wherein said plunger-stopper when positioned within said plunger sleeve bore reseals the bore preserving any remaining coconut water within said coconut for future use.