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(54) **COLLAPSIBLE BEVERAGE CONTAINMENT DEVICE**

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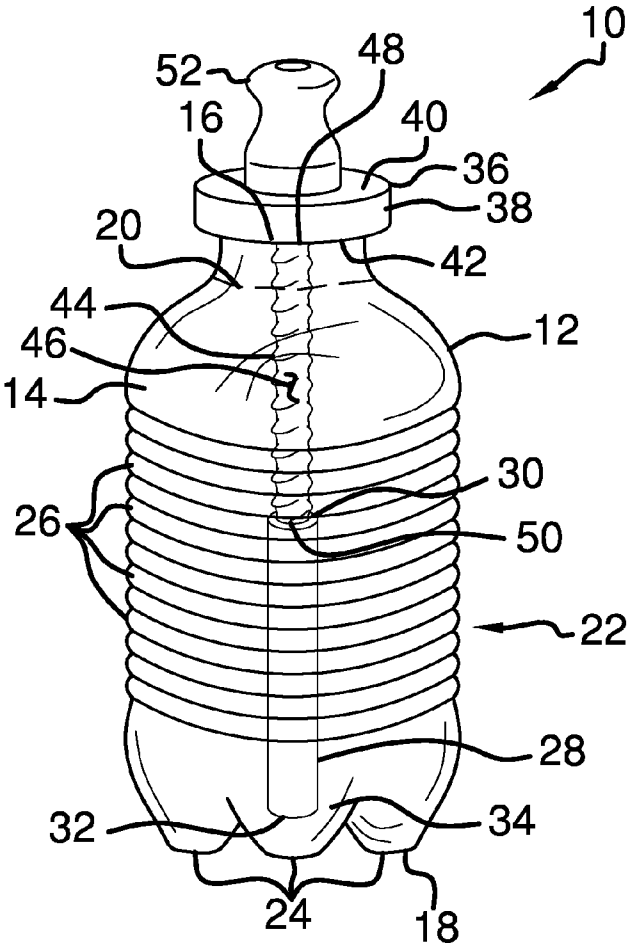
(57) **ABSTRACT**

A collapsible beverage containment assembly includes a bottle. The bottle has an outer wall extending between a top end and a bottom end of the bottle to contain a carbonated fluid. The outer wall is structured such that the bottle is collapsible. A sleeve is coupled to the bottom end. The sleeve is positioned within an interior of the bottle. A lid is movably coupled to the top end so the lid may be rotated. A screw is coupled to the lid such that the screw extends downwardly into the bottle. The screw engages the sleeve. Thus, the outer wall is collapsed when the lid is rotated to reduce a volume of the bottle, preserving the carbonation in the carbonated beverage.



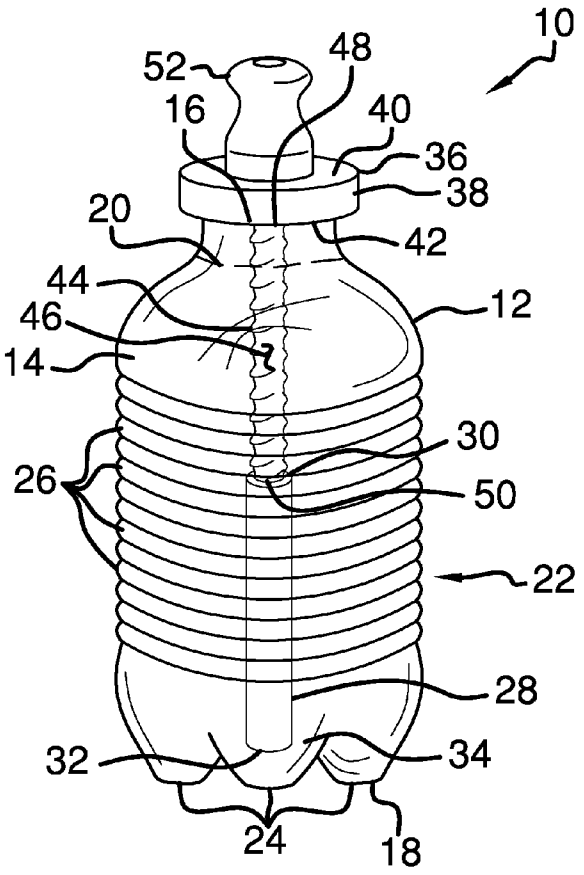

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FIG. 1

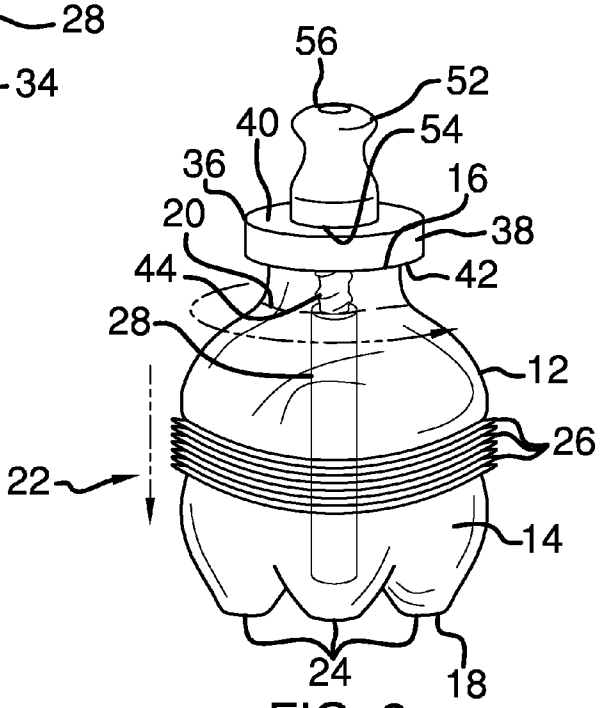
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FIG. 2

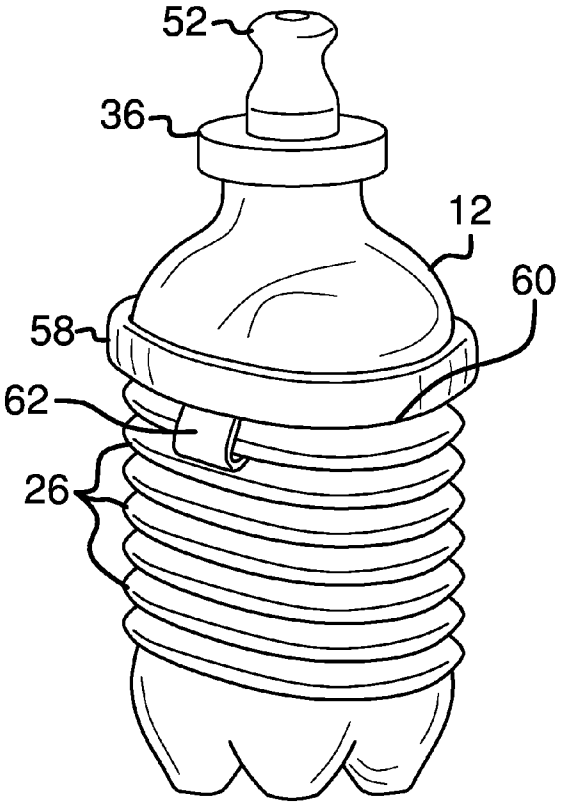

FIG. 3

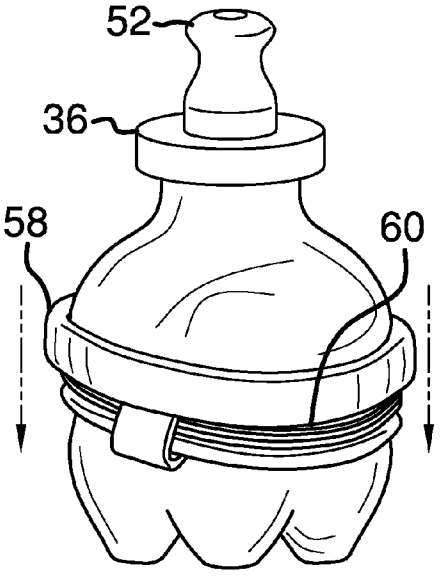

FIG. 4

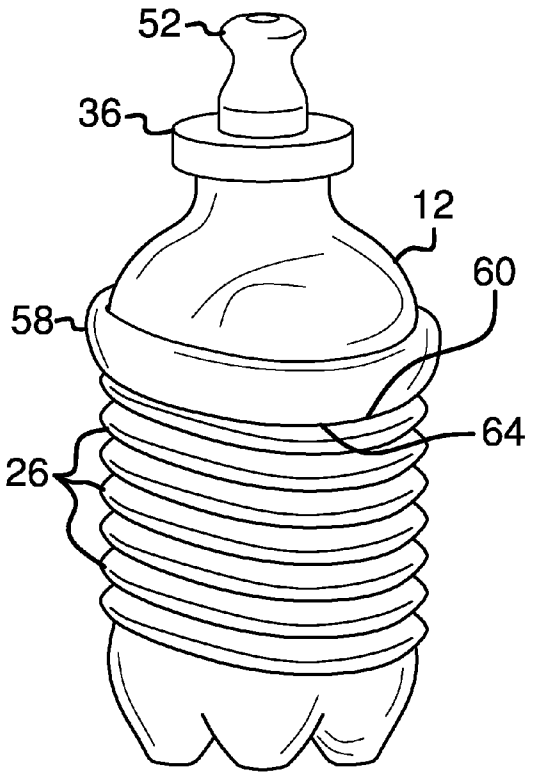

FIG. 5

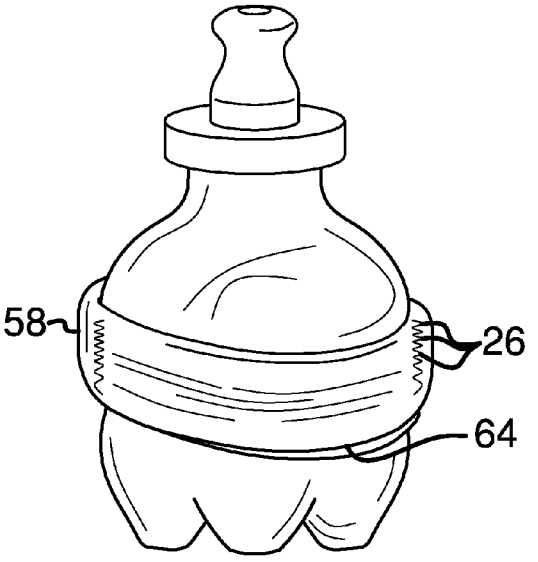

FIG. 6

COLLAPSIBLE BEVERAGE CONTAINMENT DEVICE

BACKGROUND OF THE DISCLOSURE

[0001] 1. Field of the Disclosure

[0002] The disclosure relates to containment devices and more particularly pertains to a new containment device for preserving the freshness of a carbonated fluid in a bottle.

[0003] 2. Summary of the Disclosure

[0004] An embodiment of the disclosure meets the needs presented above by generally comprising a bottle. The bottle has an outer wall extending between a top end and a bottom end of the bottle to contain a carbonated fluid. The outer wall is structured such that the bottle is collapsible. A sleeve is coupled to the bottom end. The sleeve is positioned within an interior of the bottle. A lid is movably coupled to the top end so the lid may be rotated. A screw is coupled to the lid such that the screw extends downwardly into the bottle. The screw engages the sleeve. Thus, the outer wall is collapsed when the lid is rotated to reduce a volume of the bottle, preserving the carbonation in the carbonated beverage.

[0005] There has thus been outlined, rather broadly, the more important features of the disclosure in order that the detailed description thereof that follows may be better understood, and in order that the present contribution to the art may be better appreciated. There are additional features of the disclosure that will be described hereinafter and which will form the subject matter of the claims appended hereto.

[0006] The objects of the disclosure, along with the various features of novelty which characterize the disclosure, are pointed out with particularity in the claims annexed to and forming a part of this disclosure.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] The disclosure will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:

[0008] FIG. **1** is a perspective view of a collapsible beverage containment assembly in an extended position according to an embodiment of the disclosure.

[0009] FIG. **2** is a perspective view of an embodiment of the disclosure in a collapsed position.

[0010] FIG. **3** is a front perspective view of an alternative embodiment of the disclosure in the extended position.

[0011] FIG. **4** is a front perspective view of an alternative embodiment of the disclosure in a collapsed position.

[0012] FIG. **5** is a right side perspective view of an alternative embodiment of the disclosure in the extended position.

[0013] FIG. **6** is a right side perspective view of an alternative embodiment of the disclosure in the collapsed position.

DESCRIPTION OF THE PREFERRED EMBODIMENT

[0014] With reference now to the drawings, and in particular to FIGS. **1** through **6** thereof, a new containment device embodying the principles and concepts of an embodiment of the disclosure and generally designated by the reference numeral **10** will be described.

[0015] As best illustrated in FIGS. **1** through **6**, the collapsible beverage containment assembly **10** generally comprises a bottle **12**. The bottle **12** has an outer wall **14** extending between a top end **16** and a bottom end **18** of the bottle **12**. The bottle **12** may contain a carbonated fluid **20**. The carbonated fluid **20** may be carbonated soft drink or the like. The outer wall **14** curves inwardly toward the top end **16** such that the top end **16** has a diameter that is less than a diameter of a body **22** of the bottle **12**. The bottom end **18** comprises a plurality of prominences **24** evenly distributed around an entire perimeter of the outer wall **14**.

[0016] The outer wall **14** has a plurality of folds **26** extending around an entire perimeter of the outer wall **14**. The folds **26** are centrally positioned between the top end **16** and the bottom end **18**. The bottle **12** is positionable in a collapsed position such that the folds **26** are compressed. The top end **16** is positioned proximate the bottom end **18** to reduce a volume of the bottle **12**, thereby preserving the carbonation in the carbonated fluid **20**. The bottle **12** is positionable in an extended position such that the folds **26** are expanded. The top end **16** is spaced apart from the bottom end **18** to increase a volume of the bottle **12**.

[0017] A sleeve **28** is provided. The sleeve **28** has an upper end **30** and a lower end **32**. The sleeve **28** is elongated. The upper end **30** is open and the sleeve **28** is substantially hollow. The lower end **32** is coupled to a top surface **34** of the bottom end **18** such that the sleeve **28** extends upwardly from the bottom end **18**. A lid **36** has an outer edge **38** extending between an uppermost side **40** and a lowermost side **42** of the lid **36**. The lowermost side **42** is rotatably coupled to the top end **16** of the bottle **12** so lid **36** may be rotated.

[0018] A screw **44** is provided. The screw **44** has an outer surface **46** extending between a topmost end **48** and a bottommost end **50**. The outer surface **46** of the screw **44** is threaded between the topmost end **48** and the bottommost end **50**. Additionally, the topmost end **48** is coupled to the lowermost side **42** of the lid **36**. The upper end **30** of the sleeve **28** insertably receives the bottommost end **50** such that the outer surface **46** of the screw **44** threadably engages the sleeve **28**. The bottle **12** is positioned in the collapsed position when the lid **36** is rotated in a first direction. The bottle **12** is positioned in the expanded position when the lid **36** is rotated in a second direction.

[0019] A dispenser **52** has a coupled end **54** and a free end **56**. The dispenser **52** is slidably coupled to the uppermost side **40** of the lid **36** such that the dispenser **52** is in fluid communication with an interior of the bottle **12**. The free end **56** of the dispenser **52** is open to dispense the carbonated fluid **20** from the bottle **12**. The coupled end **54** is spaced upwardly from the lid **36** when the dispenser **52** is positioned in an open position. Additionally, the coupled end **54** abuts the uppermost side **40** of the lid **36** when the dispenser **52** is positioned in a closed position.

[0020] In an alternative embodiment as shown in figures three and four, a ring **58** is coupled around the outer wall **14** of the bottle **12**. The ring **58** is coextensive with an upper threshold **60** of the plurality of folds **26**. A claw **62** is coupled to and extends downwardly from the ring **58** to engage a selected one of the folds **26**, thereby retaining the bottle **12** in the collapsed and extended positions. In an alternative embodiment as shown in figures five and six, a bottom edge **64** of the ring **58** receives a selected number of the folds **26** when the folds **26** are compressed. The compressed folds **26** are contained within the ring **58** when the bottle **12** is positioned in the collapsed position.

[0021] In use, the lid **36** is rotated in the first direction to minimize an amount of empty space between the carbonated

fluid **20** and the lid **36**. The bottle **12** is collapsed to restrict an amount of off-gassing from the carbonated fluid **20**. Thus, the bottle **12** maintains a freshness of the carbonated fluid **20**.

[0022] With respect to the above description then, it is to be realized that the optimum dimensional relationships for the parts of an embodiment enabled by the disclosure, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by an embodiment of the disclosure.

[0023] Therefore, the foregoing is considered as illustrative only of the principles of the disclosure. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the disclosure to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the disclosure. In this patent document, the word "comprising" is used in its non-limiting sense to mean that items following the word are included, but items not specifically mentioned are not excluded. A reference to an element by the indefinite article "a" does not exclude the possibility that more than one of the element is present, unless the context clearly requires that there be only one of the elements.

I claim:

1. A collapsible beverage containment assembly comprising:

a bottle, said bottle having an outer wall extending between a top end and a bottom end of said bottle wherein said bottle is configured to contain a carbonated fluid, said outer wall being structured such that said bottle is collapsible;

a sleeve coupled to said bottom end wherein said sleeve is positioned within an interior of said bottle;

a lid movably coupled to said top end wherein said lid is configured to be rotated;

a screw coupled to said lid such that said screw extends downwardly into said bottle, said screw engaging said sleeve such that said outer wall is collapsed when said lid is rotated to reduce a volume of said bottle wherein said bottle is configured to preserve the carbonation in the carbonated beverage.

2. The assembly according to claim **1**, wherein said outer wall having a plurality of folds extending around an entire perimeter of said outer wall, said folds being centrally positioned between said top end and said bottom end to facilitate said bottle being positionable in a collapsed position such that said folds are compressed having said top end being positioned proximate said bottom end to reduce a volume of said bottle, said bottle being positionable in an extended position such that said folds are expanded having said top end being spaced apart from said bottom end to increase a volume of said bottle.

3. The assembly according to claim **2**, wherein said sleeve having an upper end and a lower end, said sleeve being elongated, said upper end being open, said sleeve being substantially hollow, said lower end being coupled to a top surface of said bottom end such that said sleeve extends upwardly from said bottom end, said sleeve being centrally positioned within said bottle.

4. The assembly according to claim **3**, wherein said lid having an outer edge extending between an uppermost side and a lowermost side of said lid, said lowermost side being rotatably coupled to said top end.

5. The assembly according to claim **4**, wherein said screw having an outer surface extending between a topmost end and a bottommost end, said outer surface of said screw being threaded between said topmost end and said bottommost end, said topmost end being coupled to said lowermost side of said lid, said upper end of said sleeve insertably receiving said bottommost end such that said outer surface of said screw threadably engages said sleeve.

6. The assembly according to claim **4**, further comprising a dispenser, said dispenser having a coupled end and a free end, said coupled end being coupled to said uppermost side of said lid such that said dispenser is in fluid communication with said interior of said bottle wherein said dispenser is configured to dispense the carbonated fluid from said bottle.

7. A collapsible beverage containment assembly comprising:

a bottle, said bottle having an outer wall extending between a top end and a bottom end of said bottle wherein said bottle is configured to contain a carbonated fluid, said outer wall having a plurality of folds extending around an entire perimeter of said outer wall, said folds being centrally positioned between said top end and said bottom end, said bottle being positionable in a collapsed position such that said folds are compressed having said top end being positioned proximate said bottom end to reduce a volume of said bottle wherein said bottle is configured to preserve the carbonation in the carbonated beverage, said bottle being positionable in an extended position such that said folds are expanded having said top end being spaced apart from said bottom end to increase a volume of said bottle;

a sleeve, said sleeve having an upper end and a lower end, said sleeve being elongated, said upper end being open, said sleeve being substantially hollow, said lower end being coupled to a top surface of said bottom end such that said sleeve extends upwardly from said bottom end;

a lid, said lid having an outer edge extending between an uppermost side and a lowermost side of said lid, said lowermost side being rotatably coupled to said top end wherein said lid is configured to be rotated;

a screw, said screw having an outer surface extending between a topmost end and a bottommost end, said outer surface of said screw being threaded between said topmost end and said bottommost end, said topmost end being coupled to said lowermost side of said lid, said upper end of said sleeve insertably receiving said bottommost end such that said outer surface of said screw threadably engages said sleeve, said bottle being positioned in said collapsed position when said lid is rotated in a first direction, said bottle being positioned in said expanded position when said lid is rotated in a second direction; and

a dispenser, said dispenser having a coupled end and a free end, said coupled end being coupled to said uppermost side of said lid such that said dispenser is in fluid communication with said interior of said bottle wherein said dispenser is configured to dispense the carbonated fluid from said bottle.

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