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(54) **DULL BOTTLE POUR SPOUT APPRATUS**

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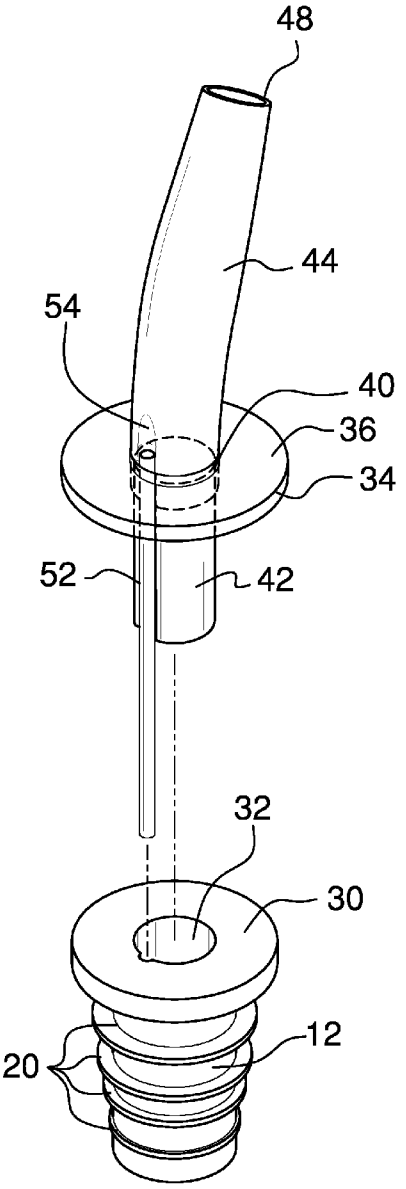
(57) **ABSTRACT**

A dull bottle pour spout apparatus for preventing injury while bartending includes a plug core sealingly inserted into a bottle neck of a bottle. A plug top is coupled to the plug core and has a top aperture aligned with a core aperture extending through the plug core. The plug top rests on top of the bottle neck of the bottle. A spout cap has a cap aperture aligned with the core aperture. A spout bottom is coupled to the spout cap and extends from above the plug top through the top aperture and into the core aperture. A spout top is coupled to the spout bottom. The spout top is sufficiently dull and flexible to avoid injury yet sufficiently rigid for accurate pouring. A ventilation tube is coupled to the plug core and the plug top.



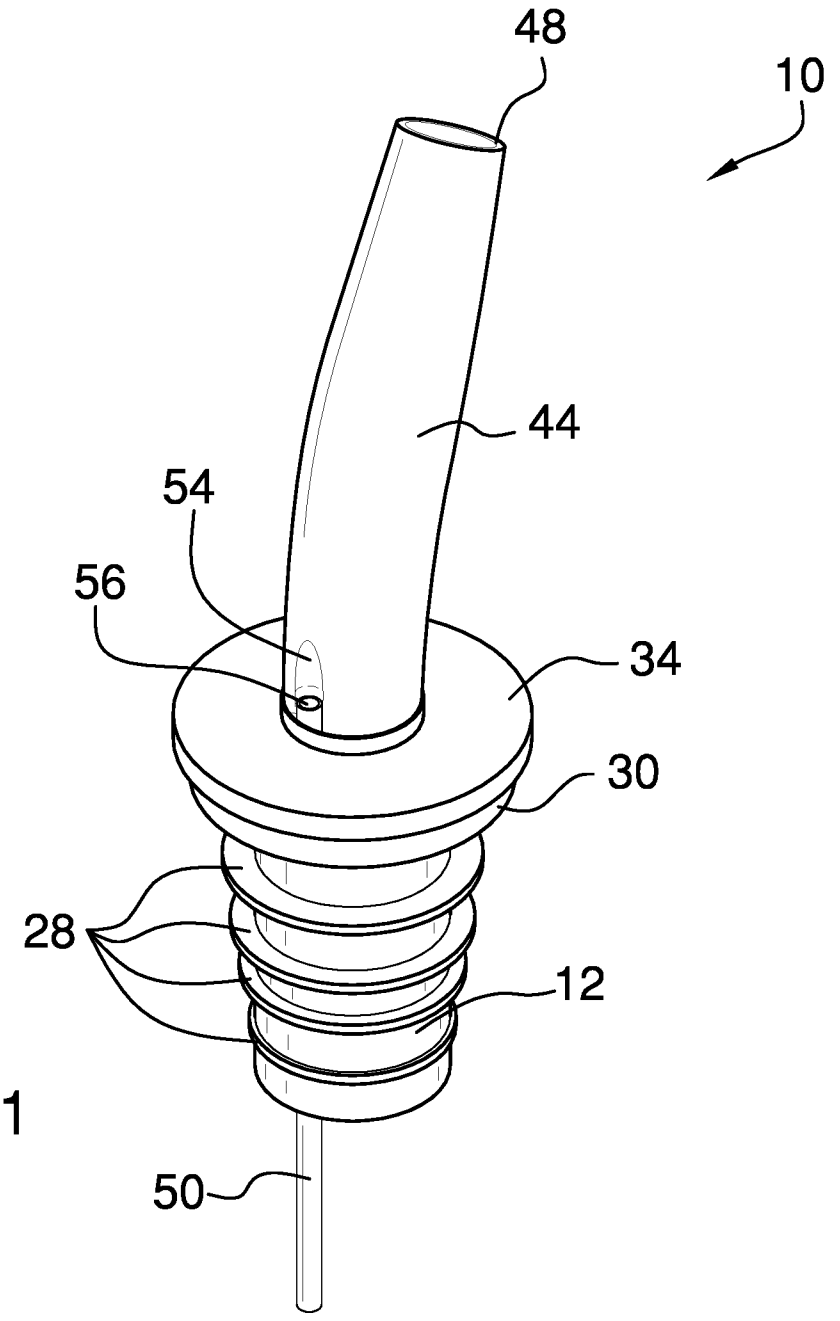


FIG. 1

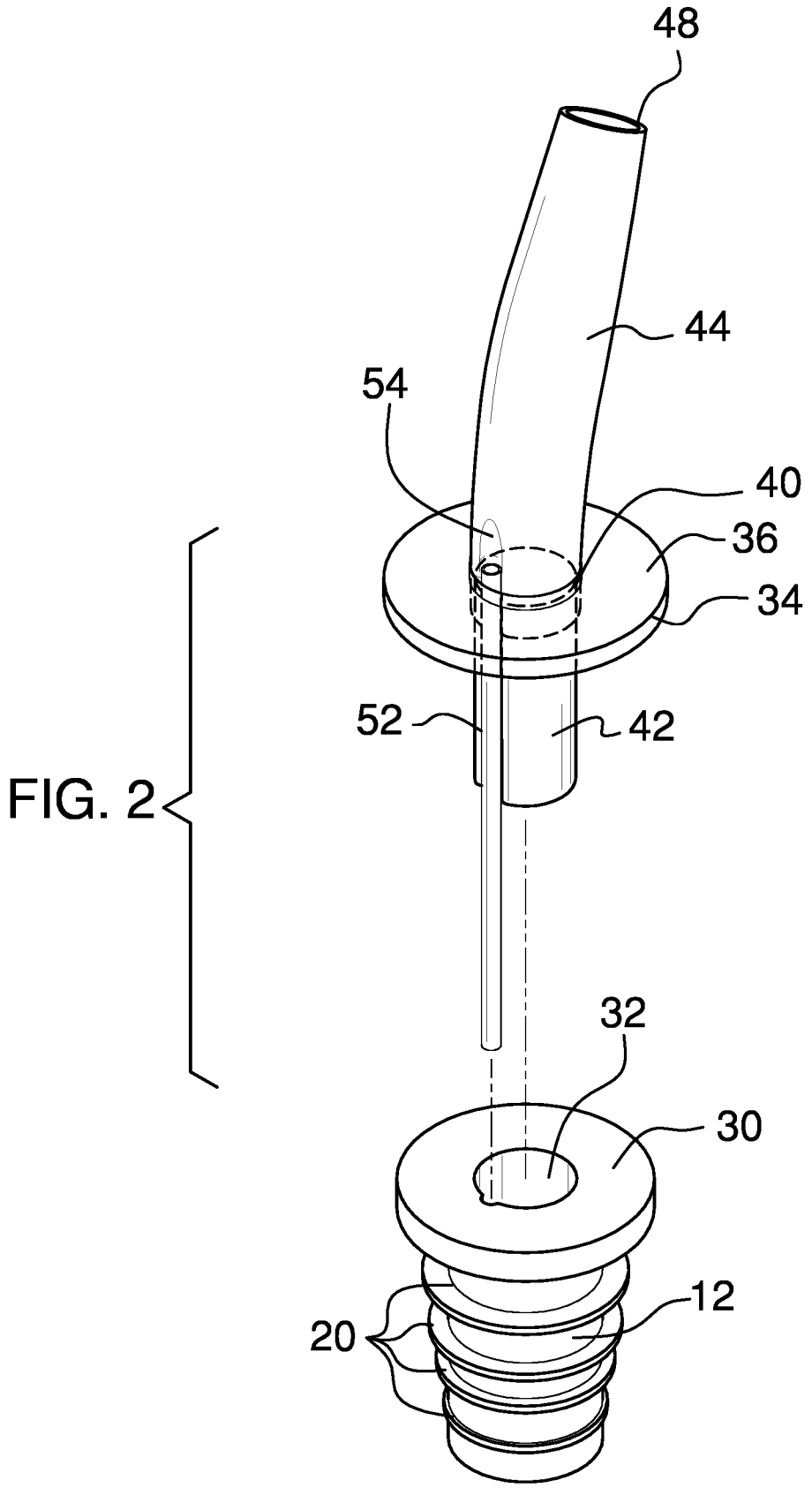


FIG. 2

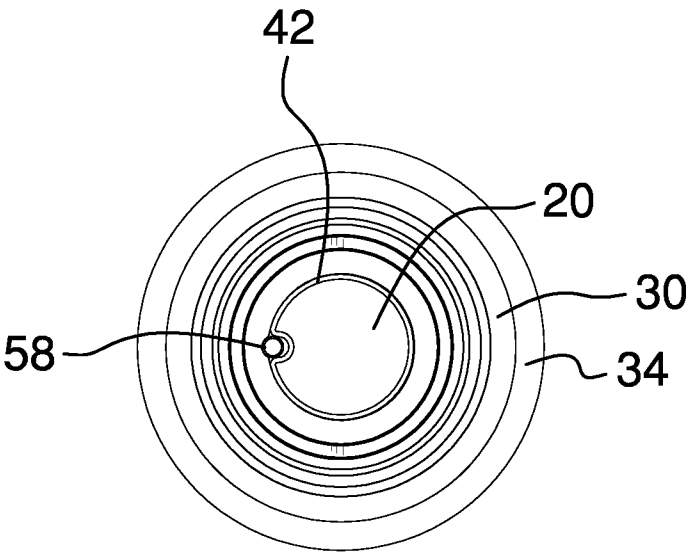


FIG. 3

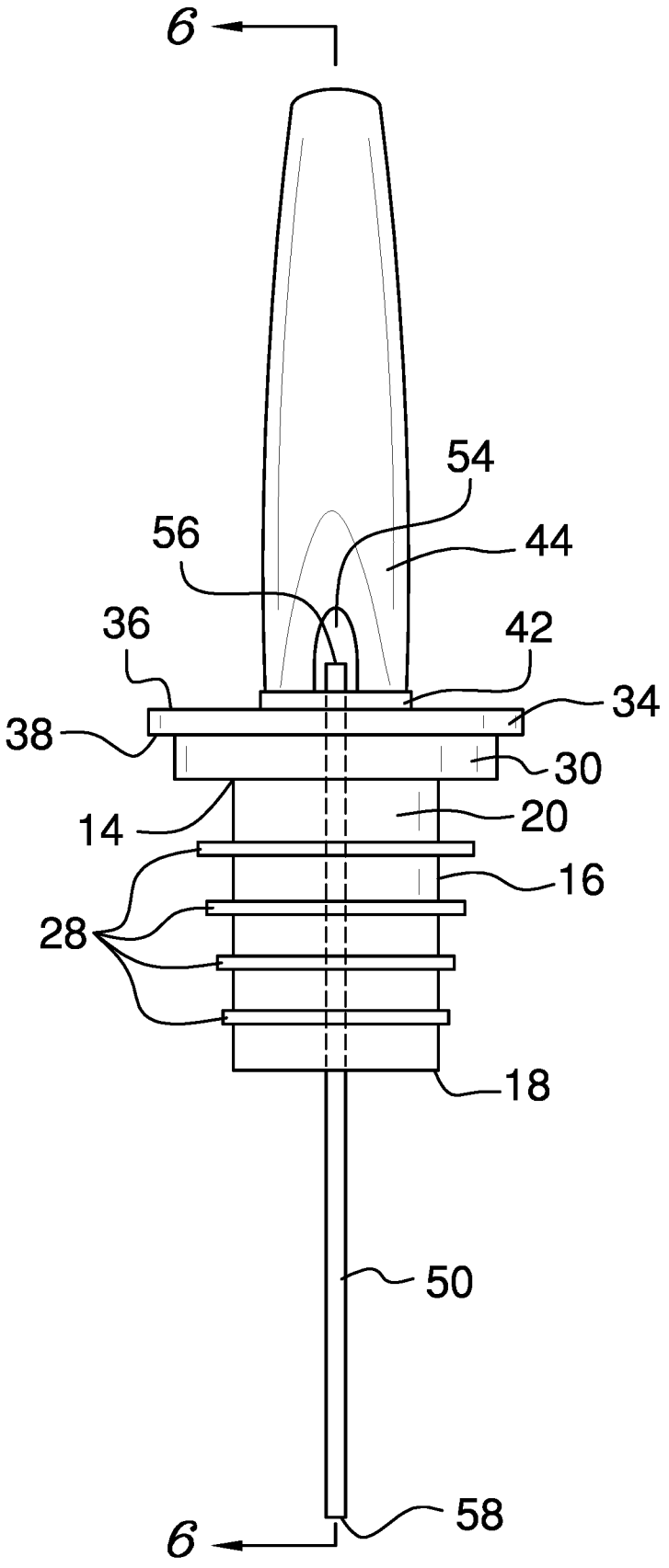


FIG. 4

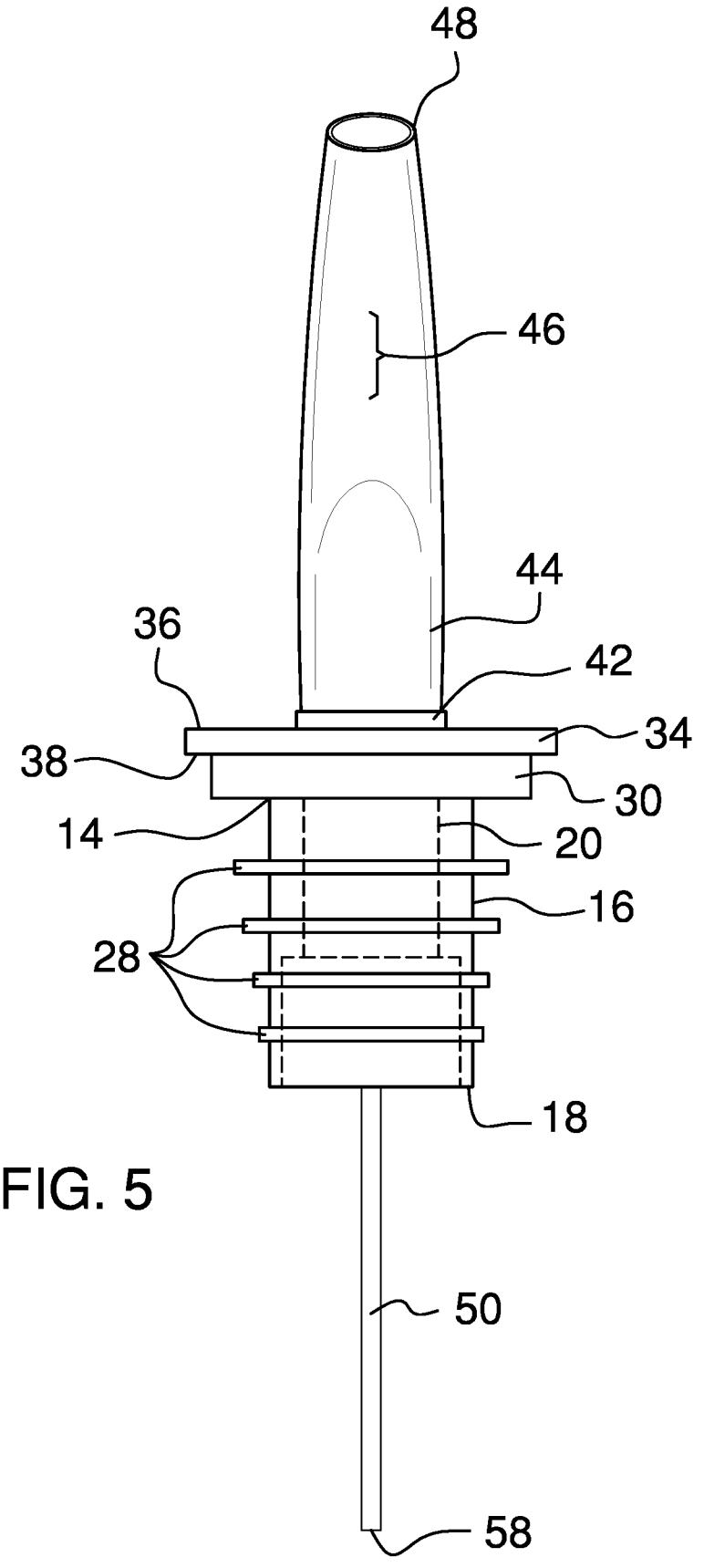


FIG. 5

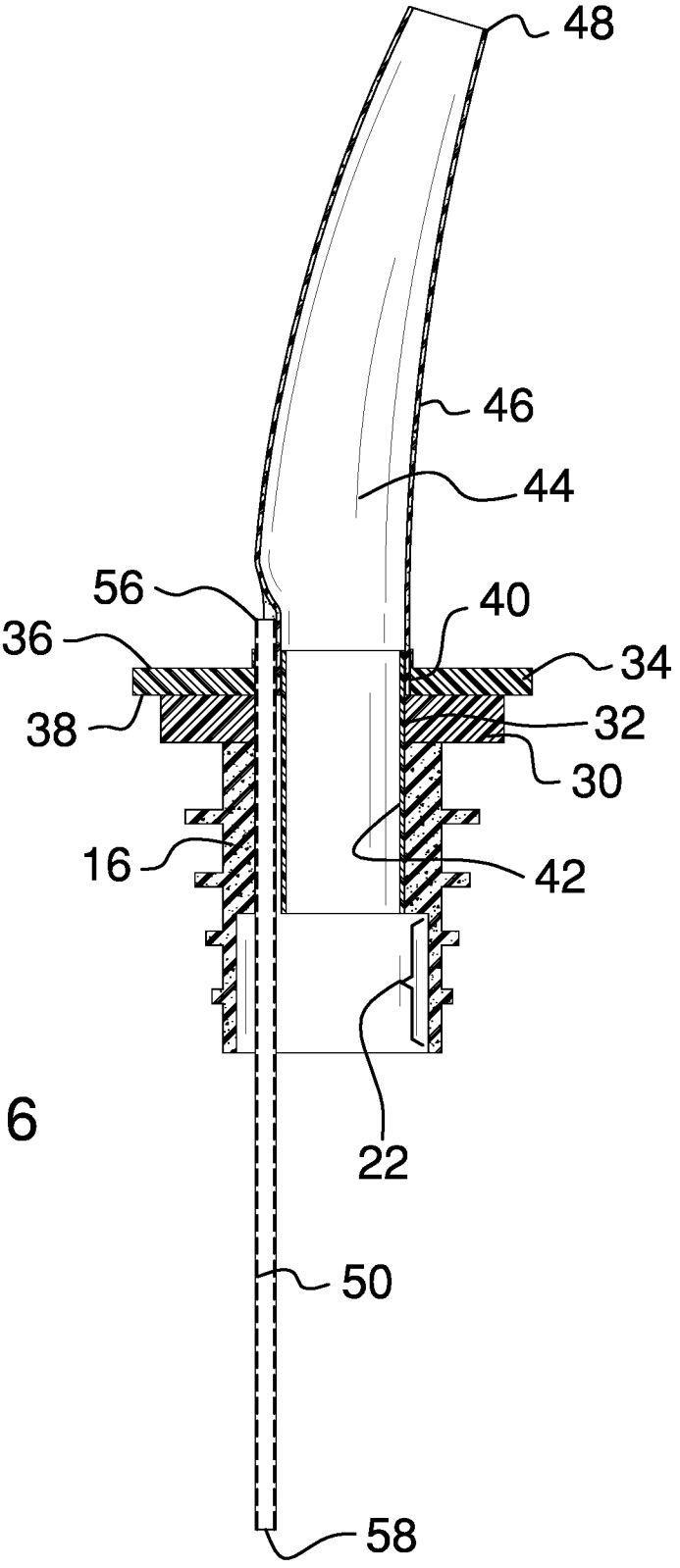


FIG. 6

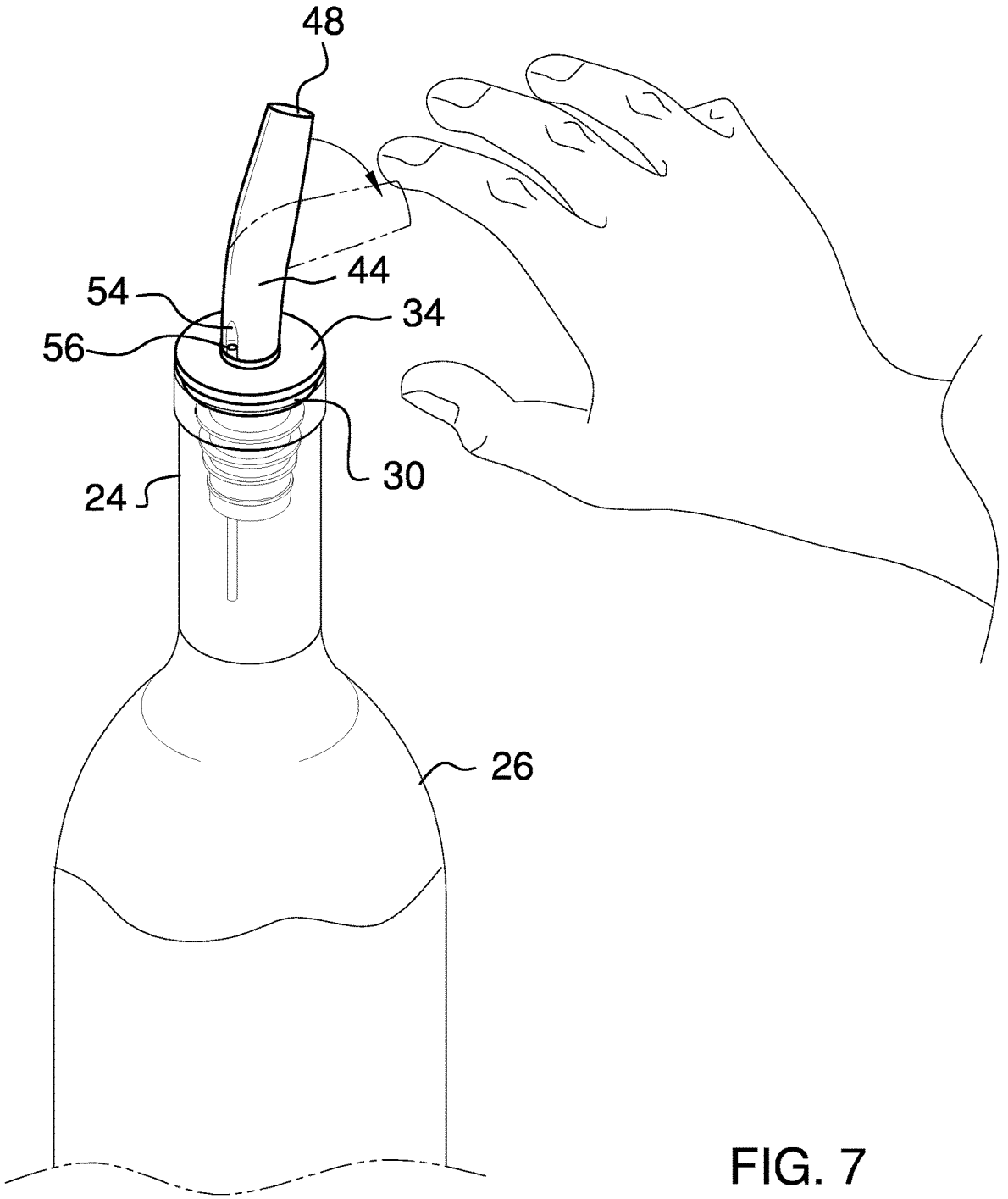


FIG. 7

DULL BOTTLE POUR SPOUT APPRATUS

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] Not Applicable

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

[0002] Not Applicable

THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT

[0003] Not Applicable

INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC OR AS A TEXT FILE VIA THE OFFICE ELECTRONIC FILING SYSTEM

[0004] Not Applicable

STATEMENT REGARDING PRIOR DISCLOSURES BY THE INVENTOR OR JOINT INVENTOR

[0005] Not Applicable

BACKGROUND OF THE INVENTION

(1) Field of the Invention

[0006] The disclosure relates to bottle pour spout devices and more particularly pertains to a new bottle pour spout device for preventing injury while bartending. The present device includes a plug to engage a bottle opening and a firm pour spout that will elastically deform when hit and will not cut a bartender.

(2) Description of Related Art Including Information Disclosed Under 37 CFR 1.97 and 1.98

[0007] The prior art relates to bottle pour spout devices. Known devices include various plug and spout designs. These devices often employ metal pour spouts that can cut bartenders during use as well as during installation and removal from bottles.

BRIEF SUMMARY OF THE INVENTION

[0008] An embodiment of the disclosure meets the needs presented above by generally comprising a plug core having a core top, a core sidewall, and a core bottom. The plug core has a core aperture extending from the core top through the core bottom. The core sidewall is configured to be sealingly inserted into a bottle neck of a bottle. A plug top is coupled to the plug core. The plug top is coupled to the core top and has a diameter greater than the plug core. The plug top has a top aperture aligned with the core aperture. The plug top is configured to rest on top of the bottle neck of the bottle. A spout cap has a cap top side, a cap bottom side, and a cap aperture extending from the cap top side through the cap bottom side. The cap aperture aligns with the core aperture. A spout bottom is coupled to the spout cap. The spout bottom is selectively engageable with the plug core and the plug top. The spout bottom extends from above the plug top through the top aperture and into the core aperture. A spout top is coupled to the spout bottom. The spout top has a spout sidewall and a spout perimeter. The spout perimeter is sufficiently dull so as to be incapable of cutting human skin. The spout top is elastically deformable under blunt force to avoid injury yet sufficiently rigid for accurate pouring. A ventilation tube is coupled to the spout bottom and the spout top. The ventilation tube extends from above the plug top through the top aperture and through the core aperture to below the core bottom.

[0009] 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.

[0010] 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 SEVERAL VIEWS OF THE DRAWING(S)

[0011] 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:

[0012] FIG. **1** is an isometric view of a dull bottle pour spout apparatus according to an embodiment of the disclosure.

[0013] FIG. **2** is an exploded isometric view of an embodiment of the disclosure.

[0014] FIG. **3** is a bottom plan view of an embodiment of the disclosure.

[0015] FIG. **4** is a rear elevation view of an embodiment of the disclosure.

[0016] FIG. **5** is a front elevation view of an embodiment of the disclosure.

[0017] FIG. **6** is a cross-sectional view of an embodiment of the disclosure along the line **6-6** of FIG. **4**.

[0018] FIG. **7** is an in-use view of an embodiment of the disclosure.

DETAILED DESCRIPTION OF THE INVENTION

[0019] With reference now to the drawings, and in particular to FIGS. **1** through **7** thereof, a new bottle pour spout device embodying the principles and concepts of an embodiment of the disclosure and generally designated by the reference numeral **10** will be described.

[0020] As best illustrated in FIGS. **1** through **7**, the dull bottle pour spout apparatus **10** generally comprises a plug core **12** having a core top **14**, a core sidewall **16**, and a core bottom **18**. The plug core **12** has a core aperture **20** extending from the core top **14** through the core bottom **18**. The core aperture **20** may have a wider base portion **22** adjacent the core bottom **18** to improve fluid flow. The core sidewall **16** is configured to be sealingly inserted into a bottle neck **24** of a bottle **26**. The plug core **12** may have a plurality of ribs **28** radially extending from the core sidewall **16**. The diameter of each rib **28** of the plurality of ribs may taper smaller

towards the core bottom **18** to progressively seal tighter as the plug core **12** is inserted deeper into the bottle neck **24**. The plug core **12** may be an elastically deformable rubberized material such as, but not limited to, silicone in order to create a watertight seal with the bottle neck **24**.

[0021] A plug top **30** is coupled to the plug core **12**. The plug top **30** is coupled to the core top **14** and has a diameter greater than the plug core **12**. The plug top **30** has a top aperture **32** aligned with the core aperture **20**. The plug top **30** is configured to rest on top of the bottle neck **24** of the bottle. The plug top **30** may be a more rigid material than the plug core **12** in order to not deform when pressed against the bottle **26**.

[0022] A spout cap **34** has a cap top side **36**, a cap bottom side **38**, and a cap aperture **40** extending from the cap top side **36** through the cap bottom side **38**. The cap aperture **40** aligns with the core aperture **20**. The diameter of the spout cap **34** is greater than the diameter of the plug top **30** to allow for easier applied force to cause separation when desired.

[0023] A spout bottom **42** is coupled to the spout cap **34**. The spout bottom **42** is selectively engageable with the plug core **12** and the plug top **30**. The spout bottom **42** extends from above the plug top **30** through the top aperture **32** and into the core aperture **20** to adjacent the base portion **22**.

[0024] A spout top **44** is coupled to the spout bottom **42**. The spout top **44** has a spout sidewall **46** and a spout perimeter **48**. The spout top **44** may be arcuate and may taper thinner towards the spout perimeter **48**. The spout perimeter **48** is sufficiently dull so as to be incapable of cutting human skin. The spout top **44** is elastically deformable under blunt force to avoid injury yet sufficiently rigid for accurate pouring. The spout top **44** may thus be a firm yet elastically deformable rubberized material such as, but not limited to, silicone and the like.

[0025] A ventilation tube **50** is coupled to the spout bottom **42** and the spout top **44**. The spout bottom **42** and the spout top **44** may have a depressed tube channel **52** with the ventilation tube **50** coupled within the tube channel **52**. The ventilation tube **50** extends from above the plug top **30** through the top aperture **32** and through the core aperture **20** to below the core bottom **18**. The tube channel **52** may have a wider ventilation mouth portion **54** extending into the spout sidewall **46** around a tube top end **56** of the ventilation tube. A tube bottom end **58** is configured to extend deep enough into the bottle neck **24** to access air during pouring to allow for a smoother pour.

[0026] In use, the plug core **12** is inserted into the bottle neck **24** until the plug top **30** contacts the bottle **26**. The apparatus **10** is then used as a traditional pour spout. When accidently hit with strong force the spout top **44** bends to avoid causing injury to the user.

[0027] 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.

[0028] 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 dull bottle pour spout apparatus comprising:

a plug core having a core top, a core sidewall, and a core bottom, the plug core having a core aperture extending from the core top through the core bottom, the core sidewall being configured to be sealingly inserted into a bottle neck of a bottle;

a plug top coupled to the plug core, the plug top being coupled to the core top and having a diameter greater than the plug core, the plug top having a top aperture aligned with the core aperture, the plug top being configured to rest on top of the bottle neck of the bottle;

a spout cap having a cap top side, a cap bottom side, and a cap aperture extending from the cap top side through the cap bottom side, the cap aperture aligning with the core aperture;

a spout bottom coupled to the spout cap, the spout bottom being selectively engageable with the plug core and the plug top, the spout bottom extending from above the plug top through the top aperture and into the core aperture;

a spout top coupled to the spout bottom, the spout top having a spout sidewall and a spout perimeter, the spout perimeter being sufficiently dull so as to be incapable of cutting human skin, the spout top being elastically deformable under blunt force to avoid injury yet sufficiently rigid for accurate pouring; and

a ventilation tube coupled to the spout bottom of the spout top, the ventilation tube extending from above the plug top through the top aperture and through the core aperture to below the core bottom.

2. The dull bottle pour spout apparatus of claim **1** further comprising the spout bottom and the spout top having a depressed tube channel, the ventilation tube being coupled within the tube channel.

3. The dull bottle pour spout apparatus of claim **1** further comprising the tube channel having a wider ventilation mouth portion extending into the spout sidewall around a tube top end of the ventilation tube.

4. The dull bottle pour spout apparatus of claim **1** further comprising the diameter of the spout cap being greater than the diameter of the plug top.

5. The dull bottle pour spout apparatus of claim **1** further comprising the plug core having a plurality of ribs radially extending from the core sidewall.

6. The dull bottle pour spout apparatus of claim **5** further comprising the diameter of each rib of the plurality of ribs tapering smaller towards the core bottom.

7. The dull bottle pour spout apparatus of claim **1** further comprising the core aperture having a wider base portion adjacent the core bottom.

8. The dull bottle pour spout apparatus of claim **7** further comprising the spout bottom extending through the core aperture to adjacent the base portion.

9. The dull bottle pour spout apparatus of claim **1** further comprising the spout top tapering thinner towards the spout perimeter.

10. The dull bottle pour spout apparatus of claim **9** further comprising the spout top being arcuate.

11. A dull bottle pour spout apparatus comprising:

a plug core having a core top, a core sidewall, and a core bottom, the plug core having a core aperture extending from the core top through the core bottom, the core aperture having a wider base portion adjacent the core bottom, the core sidewall being configured to be sealingly inserted into a bottle neck of a bottle, the plug core having a plurality of ribs radially extending from the core sidewall, the diameter of each rib of the plurality of ribs tapering smaller towards the core bottom;

a plug top coupled to the plug core, the plug top being coupled to the core top and having a diameter greater than the plug core, the plug top having a top aperture aligned with the core aperture, the plug top being configured to rest on top of the bottle neck of the bottle;

a spout cap having a cap top side, a cap bottom side, and a cap aperture extending from the cap top side through the cap bottom side, the cap aperture aligning with the core aperture, the diameter of the spout cap being greater than the diameter of the plug top;

a spout bottom coupled to the spout cap, the spout bottom being selectively engageable with the plug core and the plug top, the spout bottom extending from above the plug top through the top aperture and into the core aperture to adjacent the base portion;

a spout top coupled to the spout bottom, the spout top having a spout sidewall and a spout perimeter, the spout top being arcuate and tapering thinner towards the spout perimeter, the spout perimeter being sufficiently dull so as to be incapable of cutting human skin, the spout top being elastically deformable under blunt force to avoid injury yet sufficiently rigid for accurate pouring; and

a ventilation tube coupled to the spout bottom and the spout top, the spout bottom and the spout top having a depressed tube channel, the ventilation tube being coupled within the tube channel, the ventilation tube extending from above the plug top through the top aperture and through the core aperture to below the core bottom, the tube channel having a wider ventilation mouth portion extending into the spout sidewall around a tube top end of the ventilation tube.

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