



US 20080066222A1

(19) **United States**

(12) **Patent Application Publication**
Mooney

(10) **Pub. No.: US 2008/0066222 A1**

(43) **Pub. Date: Mar. 20, 2008**

(54) **PLUNGERS HELPER**

Publication Classification

(76) Inventor: **Robert Blu Mooney**, Grand Rapids, MI
(US)

(51) **Int. Cl.**
A47K 1/14 (2006.01)

(52) **U.S. Cl.** 4/295

Correspondence Address:
Robert Blu Mooney
633 Atwood St. N.E. Upper
Grand Rapids, MI 49503 (US)

(57) **ABSTRACT**

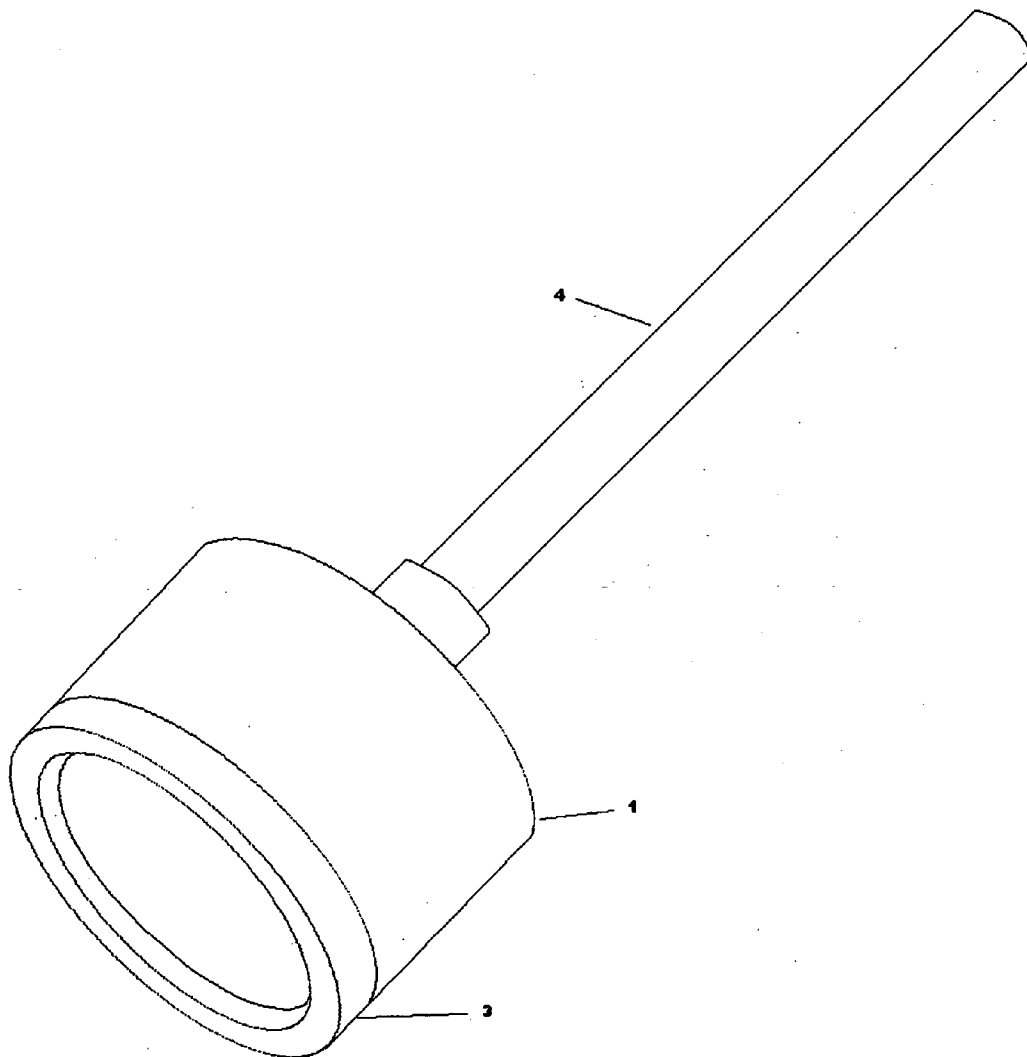
(21) Appl. No.: **11/882,469**

In accordance with its design the Plungers Helper is a hard type shell cup like apparatus. It has sealing means on the leading circular lips edge. On the opposing side is a handle that is attached to the cup by a securing means also may be used without a handle. This is then used to cover the orifice or overflow vent and is designed to achieve an air tight seal over the orifice or overflow vent. Then a plunger or alternative propelling devise is then used on the drain orifice to evacuate a clog or blockage of material substances.

(22) Filed: **Oct. 11, 2007**

Related U.S. Application Data

(60) Provisional application No. 60/836,237, filed on Aug. 9, 2006.



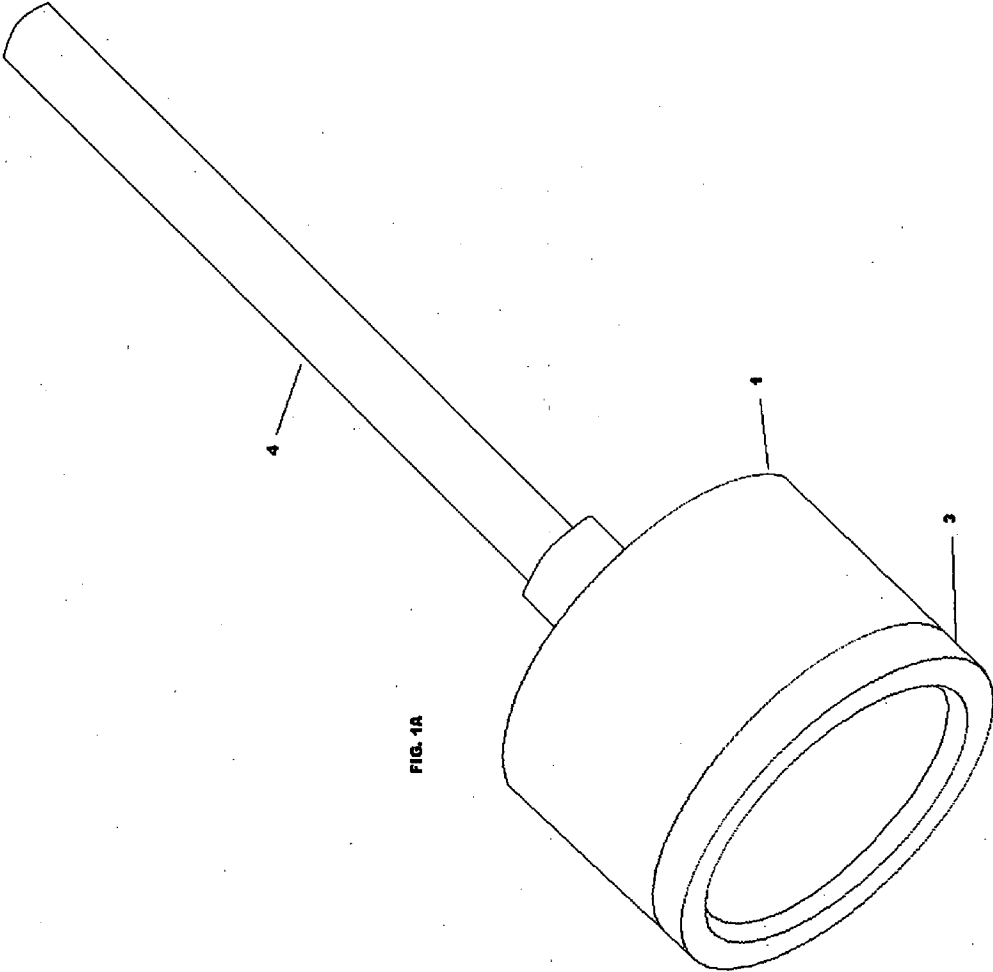


FIG. 1A

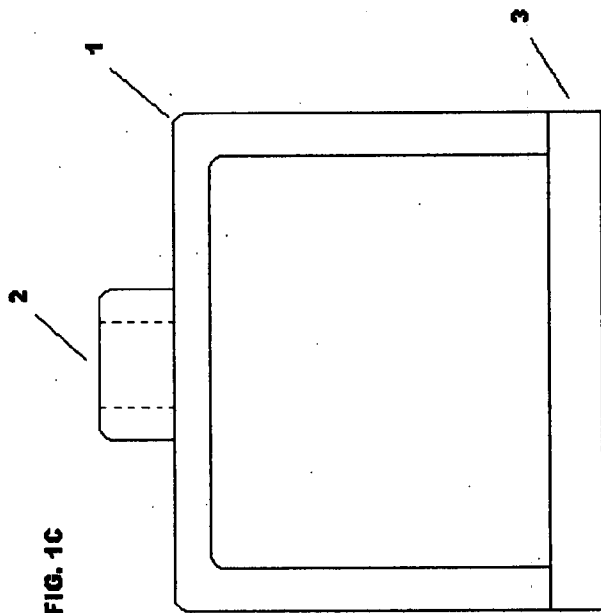


FIG. 1C

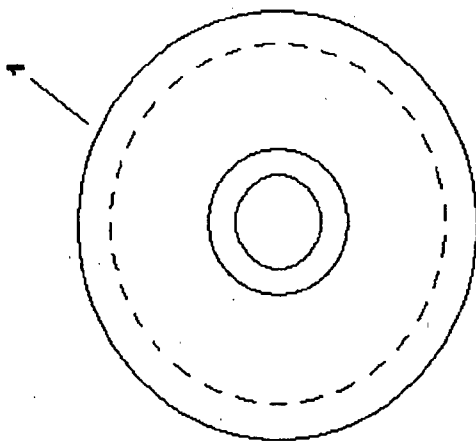


FIG. 1B

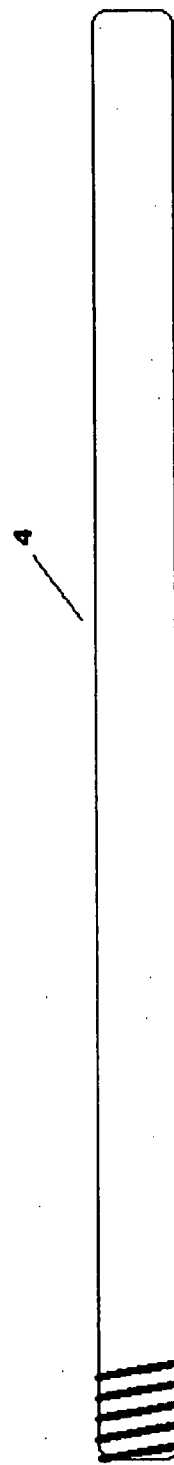


FIG. 1D

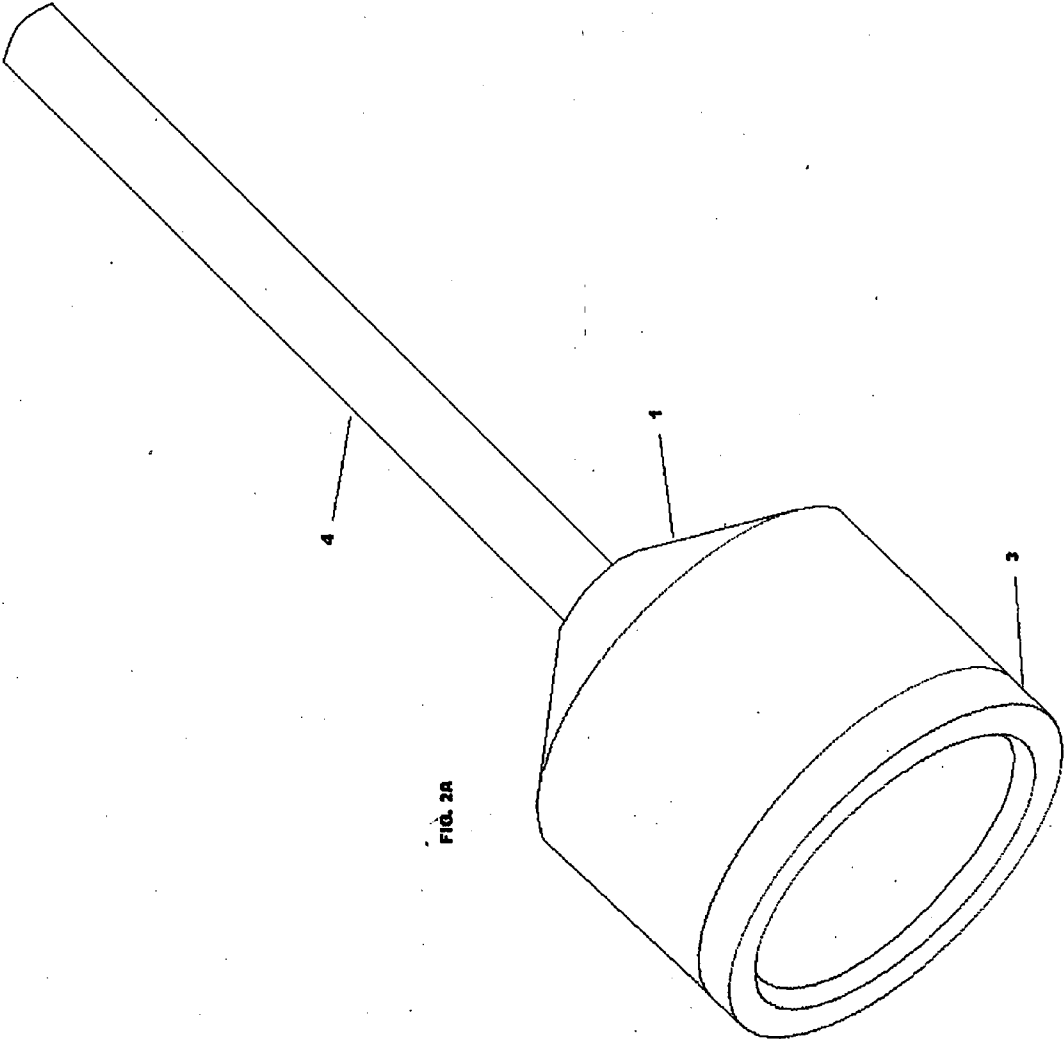


FIG. 2A

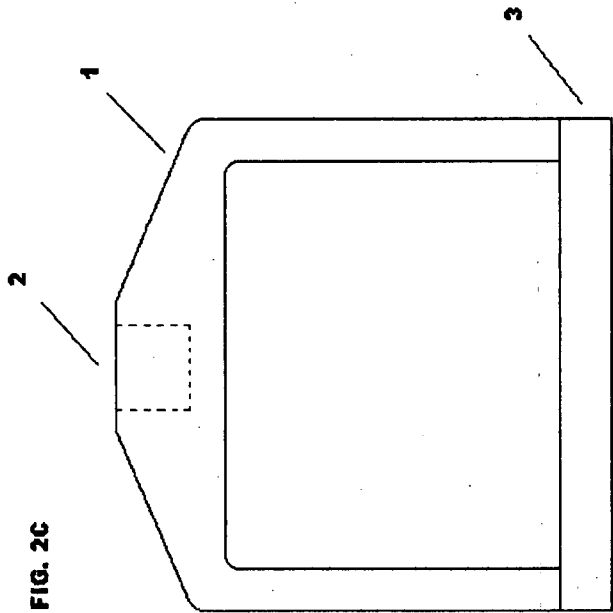


FIG. 2C

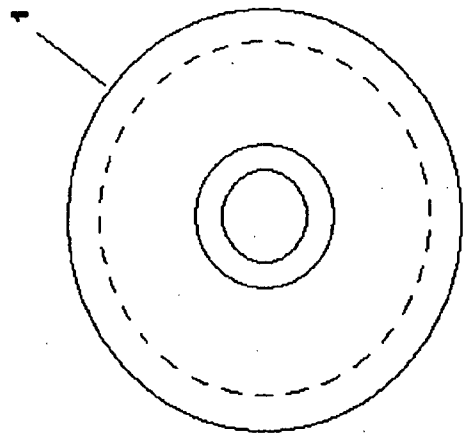


FIG. 2B

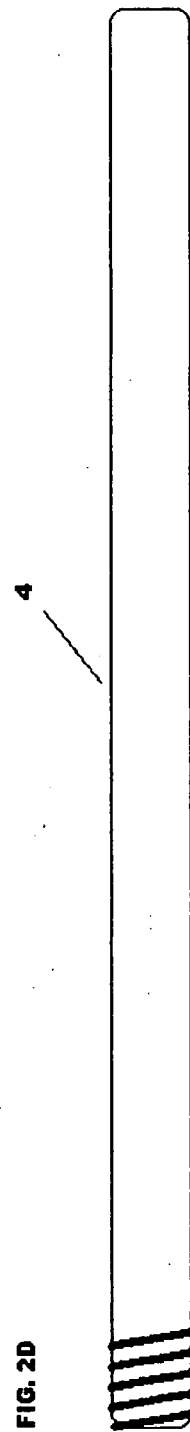


FIG. 2D

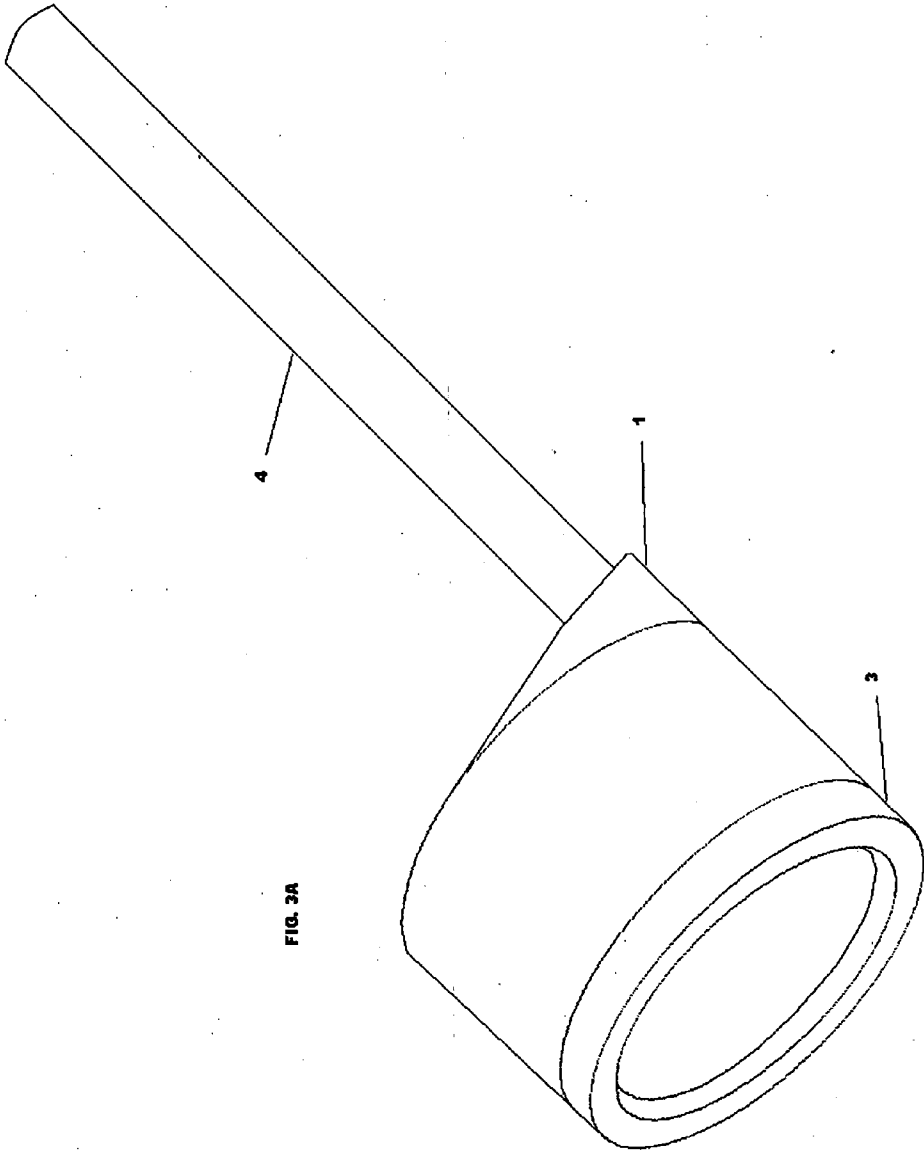


FIG. 3A

FIG. 3C

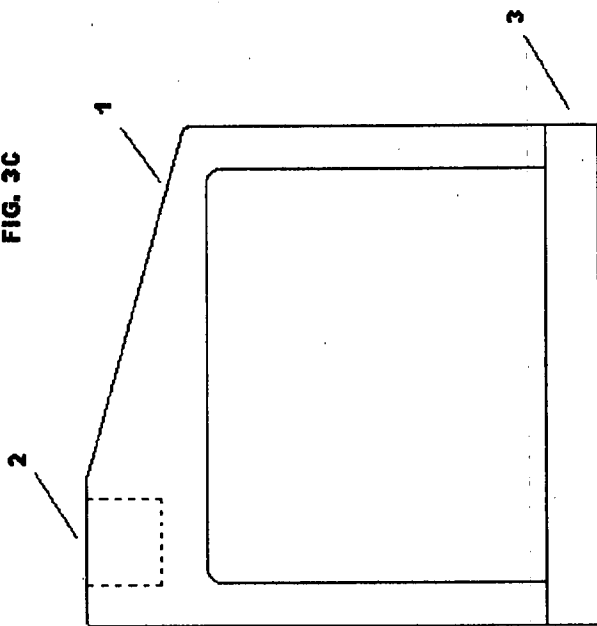


FIG. 3B

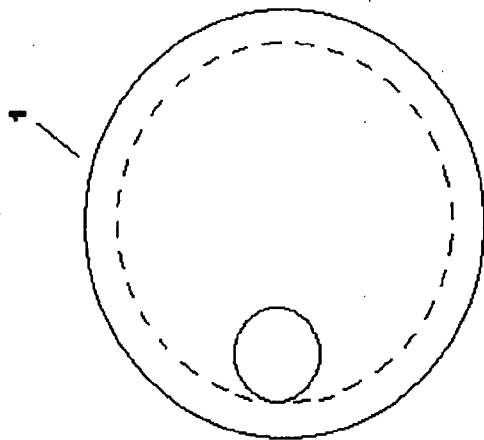
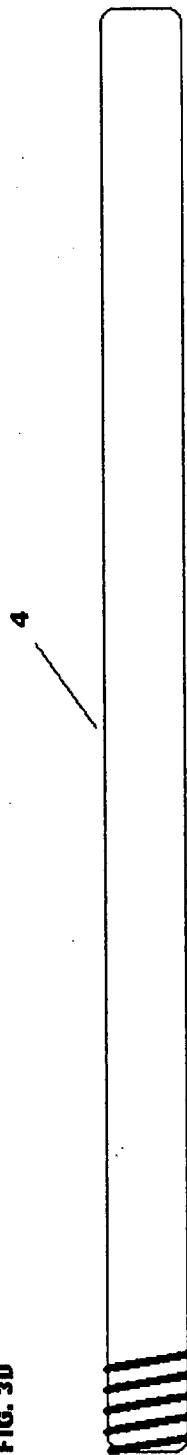


FIG. 3D



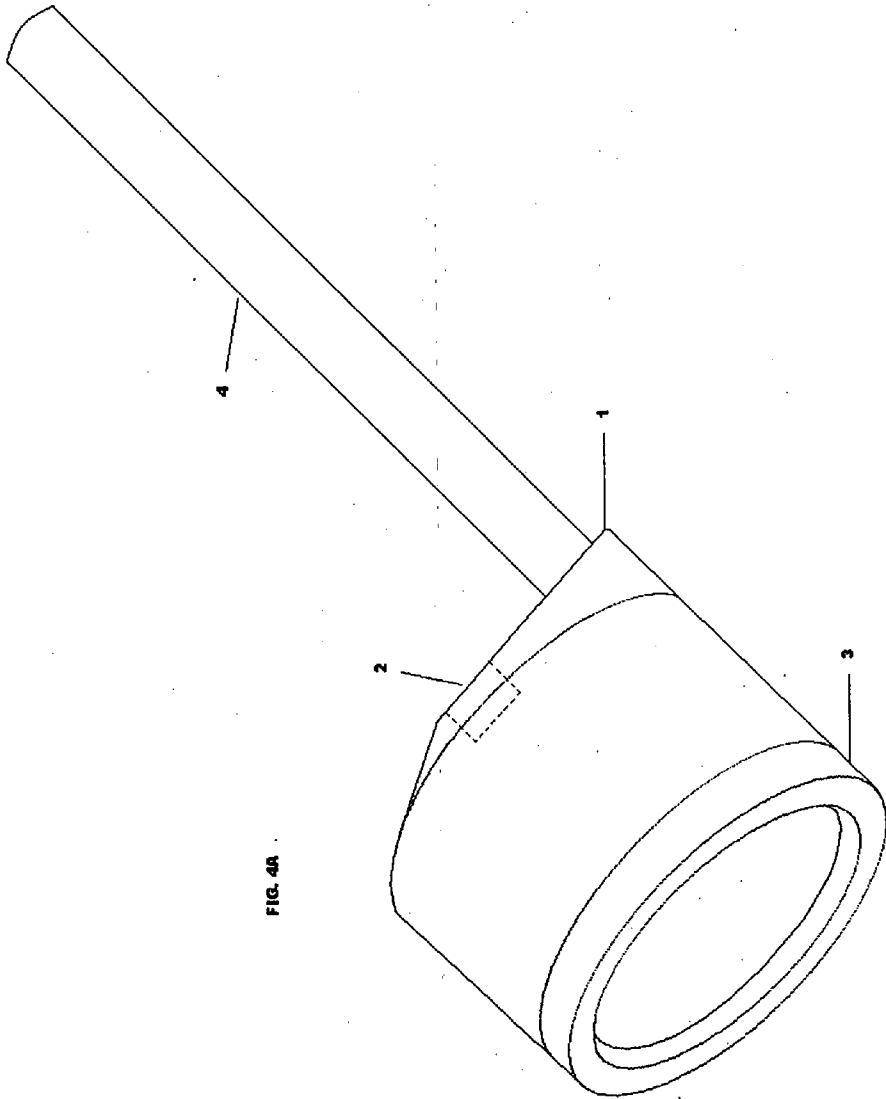


FIG. 4A

FIG. 4C

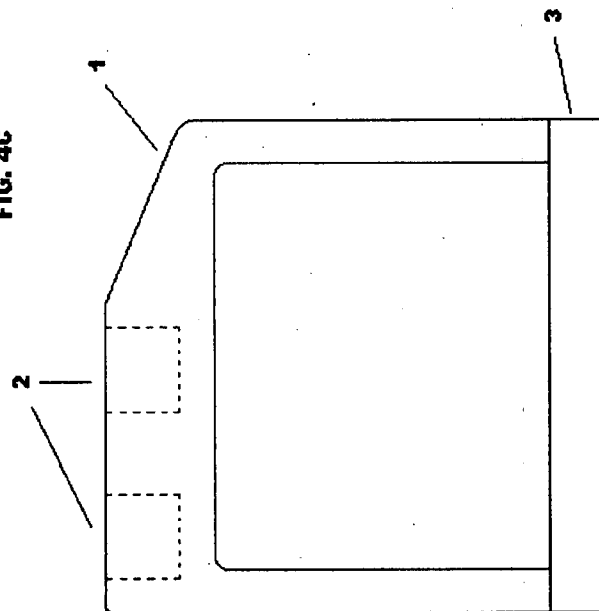


FIG. 4B

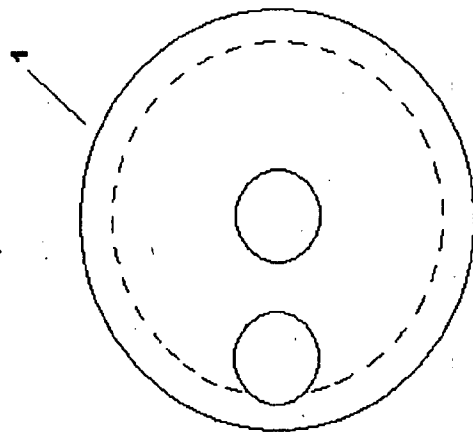
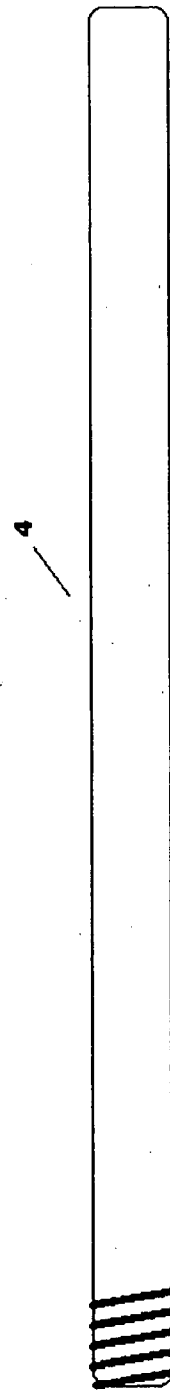


FIG. 4D



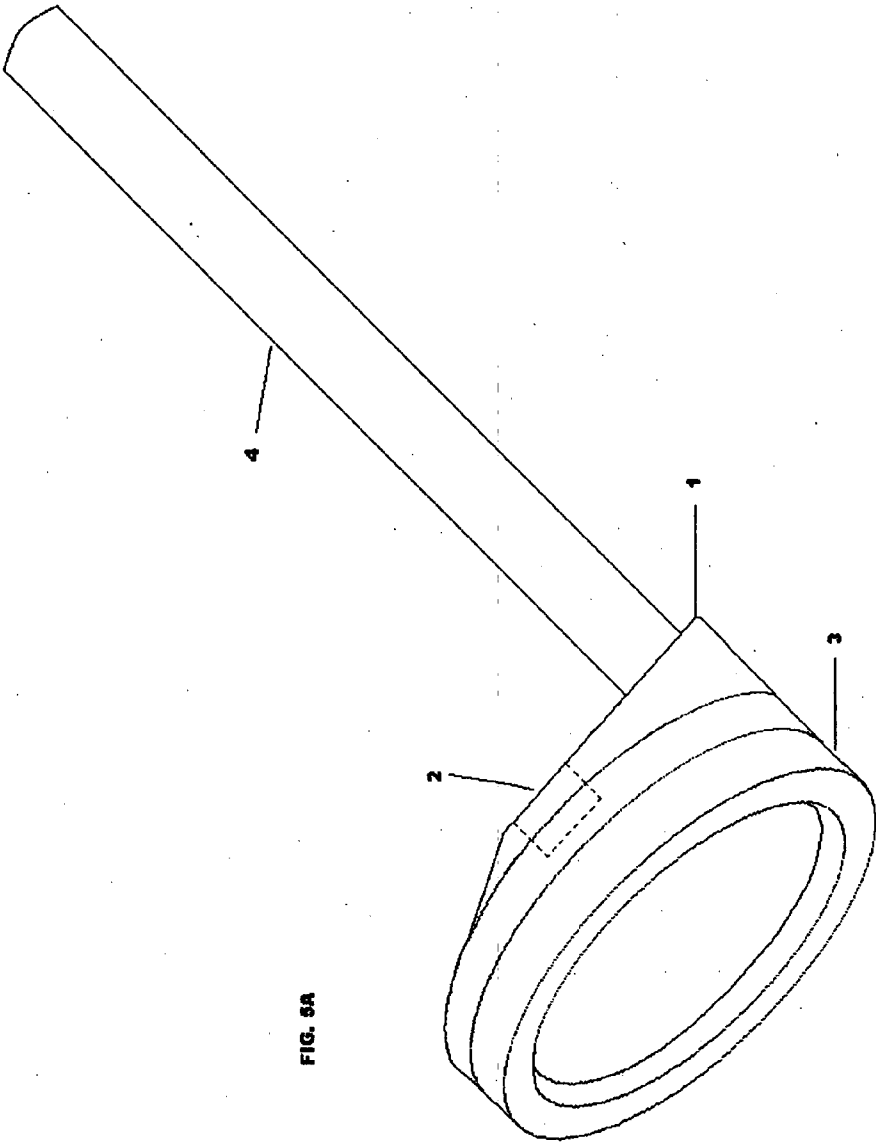


FIG. 6A

FIG. 5B

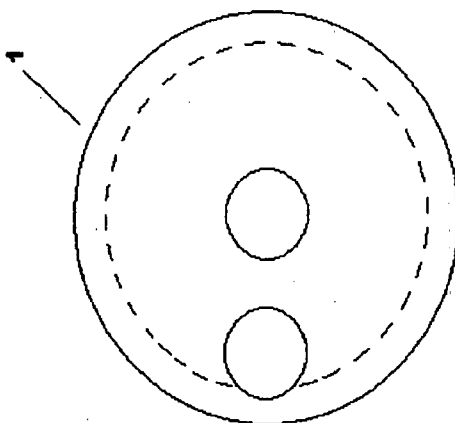


FIG. 5C

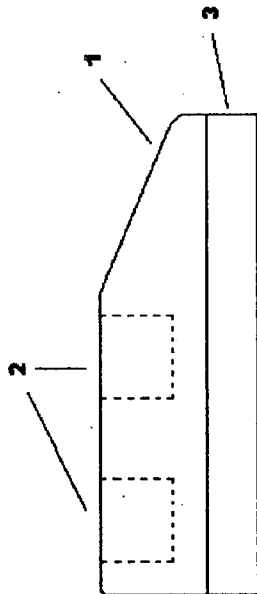
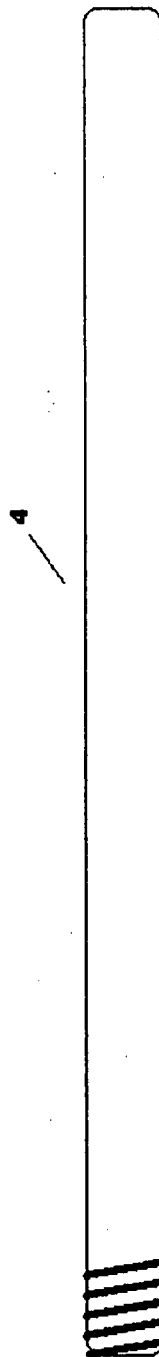


FIG. 5D



PLUNGERS HELPER

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application claims the benefit of provisional patent application Ser. No. 60/836,237 filed 2006 Aug. 9 by the present inventor.

FEDERALLY SPONSORED RESEARCH

[0002] Not Applicable

SEQUENCE LISTING OR PROGRAM

[0003] Not Applicable

BACKGROUND

[0004] 1. Field of Invention

[0005] This invention relates to plunging of plumbing drain related fixtures, to assist in the unclogging of drains.

BACKGROUND

[0006] 2. Prior Art

[0007] There is no prior art, I have searched all the home improvement stores and Hardware stores. There is no existing product that would be used for what my "Plungers Helper" would do for the consumer. I have searched the USPTO extensively and have not seen a product that is like or made for what my product does. Therefore I have made this statement of no prior art.

Produce Description and Usage

[0008] The Plungers Helper is a tool for use in conjunction with a plunger or a related tool that is used in place of a plunger. The Plungers Helper is used to seal bathtub, tub, and sink drain overflow vents while using a plunger. The Plungers Helper increases plunging efficiency and effectiveness by over 100% by sealing off air transfer through, overflow vents or secondary drains. The Plungers Helper eliminates the need for potentially damaging drain cleaning solvents and will drastically reduce chemical pollutants put into our water system and treatment plants.

[0009] The Plungers Helper consist of an air tight compression cup attached to a handle and can be used without the handle. The airtight compression cup with seal is designed to fit over and completely seal bathtub, tub, and sink drain vents. After the Plungers Helper is sealed in place and held in position, then the plunger or related plunging devise is then used to clear the clogged materials. The compression cup can be produced in various sizes depending on the size of the vent or drain to be sealed. The Plungers Helper will be manufactured primarily out of a plastic type of material or PVC, and rubber but not limited and can be produced using any form of materials and may have a plastic or wood handle with or without a rubber grip. The Plungers Helper may be offered in a variety of colors and not limited to any specific color.

Graphic Illustrations

[0010] The following graphic design and illustrations highlighting the Plunger Helpers components explained by the Diagram Specification Legend to depict each part of the

product and its details. Designs of the Plungers Helper with and without a reinforced head, with and without a handle, and with and without a rubber hand grip. Designs with multiple handle locations for use in manipulating the Plungers Helper in close proximity with the plunger. In the drawings, closely related figures have the same number but different alphabetical suffixes and numbers system.

SUMMARY

[0011] In accordance with its design, the Plungers Helper is a hard type shell cup like apparatus. It has sealing means on the leading circular lips edge. On the opposing side is a handle that is attached to the cup by a securing means also may be used without a handle. This is then used to cover an opening orifice and is designed to achieve an air tight seal over the opening orifice. While held in position then a plunger or alternative propelling devise is then used to evacuate a clog or blockage of material substances.

DIAGRAM SPECIFICATION LEGEND

[0012] 1a. Diagram Page 1, FIG. A-1 Top view, Compression cup body.

[0013] 2a. Diagram Page 1, FIG. B-1 Side View, Compression cup body.

[0014] 3a. Diagram Page 1, FIG. B-2 Side View, Placement hole for handle centered in compression cup body.

[0015] 4a. Diagram Page 1, FIG. B-3 Side View, Compression cup body rim seal with sealing means.

[0016] 5a. Diagram Page 1, FIG. C-1 Side View, Shows plain handle for cup body, compression cup can be used with no handle.

[0017] 6a. Diagram Page 1-A Shows 3 dimensional of diagram page 1

[0018] 1b. Diagram Page 2, FIG. A-1 Top view, Compression cup body.

[0019] 2b. Diagram Page 2, FIG. B-1 Side View, Compression cup body with alternative reinforced embodiment.

[0020] 3b. Diagram Page 2, FIG. B-2 Side View, Placement hole for handle centered in reinforced compression cup body.

[0021] 4b. Diagram Page 2, FIG. B-3 Side View, Compression cup body rim seal with sealing means.

[0022] 5b. Diagram Page 2, FIG. C-1 Side View, Shows handle for cup body with alternative handle grip with attaching means or compression cup may be used with no handle.

[0023] 6b. Diagram Page 2-A Shows 3 dimensional of diagram page 2

[0024] 1c. Diagram Page 3, FIG. A-1 Top View, Compression cup body shows alternative embodiment location for attaching handle.

[0025] 2c. Diagram Page 3, FIG. B-1 Side View, Compression cup body with alternative reinforced embodiment and offset handle location.

[0026] 3c. Diagram Page 3, FIG. B-2 Side View, Placement hole for handle is offset in reinforced compression cup body alternative embodiment.

[0027] 4c. Diagram Page 3, FIG. B-3 Side View, Compression cup body rim seal with sealing means.

[0028] 5c. Diagram Page 3, FIG. C-1 Side View, Shows handle for cup body with alternative handle grip with attaching means compression cup may be used with no handle.

[0029] 6c. Diagram Page 3-A Shows 3 dimensional of diagram page 3

[0030] 1d. Diagram Page 4, FIG. A-1 Top view, Compression cup body shows alternative embodiment location for attaching handle in two locations, offset and centered.

[0031] 2d. Diagram Page 4, FIG. B-1 Side View, Compression cup body with alternative reinforced embodiment and two locations for handle, offset and centered.

[0032] 3d. Diagram Page 4, FIG. B-2 Side View, Offset and centered placement holes for handle in reinforced compression cup body alternative embodiment.

[0033] 4d. Diagram Page 4, FIG. B-3 Side View, Compression cup body rim seal with sealing means.

[0034] 5d. Diagram Page 4, FIG. C-1 Side View, Shows handle for cup body with alternative handle grip with attaching means, compression cup can be used with no handle.

[0035] 6d. Diagram Page 4-A Shows 3 dimensional of diagram page 4

1. The Plungers Helper utility tool claims its cup body and seal design. Designed for the purpose to seal over an orifice or overflow vent to make an air tight seal. For the purpose of then plunging out a clog of materials from a second orifice or drain with a plunger. This is the Plungers Helper claim for its utility design and use.

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