



US00D877884S

(12) **United States Design Patent** (10) **Patent No.:** **US D877,884 S**
Davis et al. (45) **Date of Patent:** **** Mar. 10, 2020**

(54) **FLUID TRANSFER LID**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **NEOMED, INC.**, Woodstock, GA (US)

WO 9803210 A2 1/1998
WO 9846278 A1 10/1998

(72) Inventors: **Benjamin M. Davis**, Woodstock, GA (US); **Aaron N. Ingram**, Canton, GA (US)

(Continued)

(73) Assignee: **NeoMed, Inc.**, Woodstock, GA (US)

Adapta-Cap and Oral/Unit-Dose Accessories (2010, Baxa Corp.), 2 pgs.

(**) Term: **15 Years**

(Continued)

(21) Appl. No.: **29/621,047**

Primary Examiner — Nathan M Johnston

(22) Filed: **Oct. 4, 2017**

(74) *Attorney, Agent, or Firm* — Dority & Manning, P.A.

Related U.S. Application Data

(62) Division of application No. 29/511,145, filed on Dec. 8, 2014, now Pat. No. Des. 802,743.

(51) **LOC (12) Cl.** **24-01**

(52) **U.S. Cl.**

USPC **D24/108**; D9/434

(58) **Field of Classification Search**

USPC D24/108, 127–131, 112–114, 133, 186; 606/181, 185; 604/264, 272, 115, 232, 604/187, 158, 164.08, 192, 263, 163, 181, 604/184, 198, 227; 600/101, 139, 143; 128/200.24, 207.14, 207.15; D9/434, D9/435, 440, 445, 447, 449

CPC .. B67D 3/0041; B67D 3/0083; B67D 3/0093; B67D 3/0051; B65D 51/18; B65D 55/16

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,307,752 A 3/1967 Anderson
4,493,348 A 1/1985 Lemmons
4,508,236 A 4/1985 Keilman et al.
4,685,173 A 8/1987 Pavur
4,883,483 A 11/1989 Lindmayer
4,944,736 A 7/1990 Holtz

(Continued)

OTHER PUBLICATIONS

CLAIM

The ornamental design for a fluid transfer lid, substantially as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a fluid transfer lid showing our new design.

FIG. 2 is a second perspective view of the fluid transfer lid shown in FIG. 1.

FIG. 3 is a first end view of the fluid transfer lid shown in FIG. 1.

FIG. 4 is a second end view of the fluid transfer lid shown in FIG. 1.

FIG. 5 is a front view of the fluid transfer lid shown in FIG. 1 (the back view being a mirror image thereof).

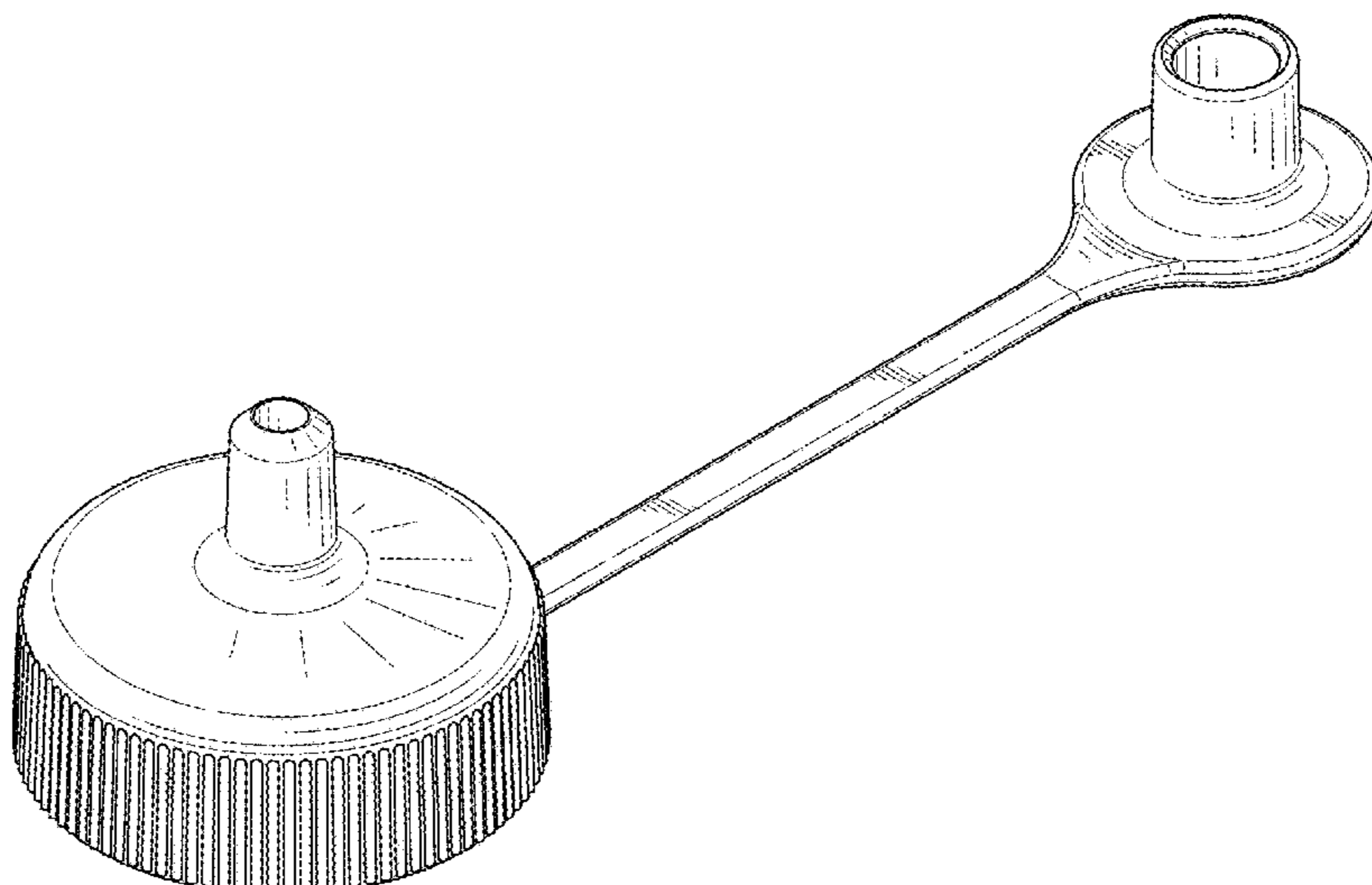
FIG. 6 is a top view of the fluid transfer lid shown in FIG. 1.

FIG. 7 is a bottom view of the fluid transfer lid shown in FIG. 1; and,

FIG. 8 is a cross-sectional view along the longitudinal axis of the fluid transfer lid shown in FIG. 1.

The broken lines show portions of the design that form no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,090,583 A 2/1992 Hoffman et al.
 5,238,130 A 8/1993 Marques et al.
 5,356,406 A 10/1994 Schraga
 5,429,256 A 7/1995 Kestenbaum
 5,454,409 A 10/1995 McAffer et al.
 5,484,070 A 1/1996 Graham
 5,573,525 A 11/1996 Watson et al.
 5,598,939 A 2/1997 Watson et al.
 D398,060 S 9/1998 Brown
 D487,227 S * 3/2004 Haley D9/434
 D508,202 S * 8/2005 Dobson D9/447
 D528,910 S 9/2006 Kingsley
 D530,200 S 10/2006 Kingsley
 7,717,281 B2 5/2010 Baudin
 D619,001 S * 7/2010 McKinney D9/446
 D627,899 S 11/2010 Cofie
 D630,732 S 1/2011 Lev et al.
 D632,958 S * 2/2011 Fuchs D9/453
 7,985,205 B2 7/2011 Adams
 D644,618 S 9/2011 Morihira
 D674,277 S 1/2013 Hanson et al.
 D686,339 S 7/2013 Shima et al.
 D693,923 S 11/2013 Hernandez et al.
 D706,135 S 6/2014 Hutchison et al.
 D708,946 S * 7/2014 Hutchison D9/447
 D714,142 S 9/2014 Hojo
 D716,636 S 11/2014 McDonald
 8,926,840 B2 * 1/2015 Hull A47G 19/2266
 210/282
 D723,181 S 2/2015 Kawamura
 D725,284 S 3/2015 Karlsson et al.
 D731,065 S 6/2015 Winter
 9,156,569 B2 10/2015 Vassallo et al.
 9,296,531 B2 3/2016 Luzbetak et al.
 D756,200 S 5/2016 McDonald
 D767,390 S * 9/2016 Miksovsky D7/392.1
 D769,671 S * 10/2016 Bielawski D7/392.1

D791,938 S * 7/2017 Becker D24/129
 D813,668 S * 3/2018 Miller D9/446
 D825,332 S * 8/2018 Miksovsky D9/446
 D833,230 S * 11/2018 Libby D7/608
 D836,977 S * 1/2019 Sorensen D7/396.2
 2009/0230075 A1 9/2009 Springer
 2009/0321611 A1 12/2009 Moberg
 2011/0054436 A1 3/2011 Griffis, III et al.
 2012/0103470 A1 5/2012 Terwilliger et al.
 2012/0104054 A1 5/2012 Terwilliger et al.
 2016/0067147 A1 3/2016 Davis et al.
 2016/0159635 A1 6/2016 Davis et al.
 2016/0317393 A1 11/2016 Davis et al.
 2016/0367439 A1 12/2016 Davis et al.
 2017/0239141 A1 8/2017 Davis et al.

FOREIGN PATENT DOCUMENTS

WO 2009068987 A1 6/2009
 WO 2012024370 A1 2/2012
 WO 2016040126 A1 3/2016
 WO 2018022631 A1 2/2018

OTHER PUBLICATIONS

CareFusion Universal Vented Vial Adapter; 2 pgs; 2013.
 International Search Report & Written Opinion for PCT/US2015/064237; 12 pgs; dated Mar. 3, 2016.
 New ISO Tubing Connector Standards: A Follow-Up to the Sentinel Event Alert Webinar PowerPoint Presentation; www.iointcommission.org; 50 pgs; Dec. 3, 2014.
 New Tube Feeding Connectors Webinar PowerPoint Presentation; www.oley.org; 24 pgs; Jun. 24, 2014.
 WestPharma Vial Adapters; 2 pgs; 2014.
 International Search Report & Written Opinion for PCT/US2017/056391; dated Jan. 18, 2018; 16 pgs.
 Invitation to Pay Additional Fees for PCT/US2018/021856; Jun. 27, 2018; 24 pgs.

* cited by examiner

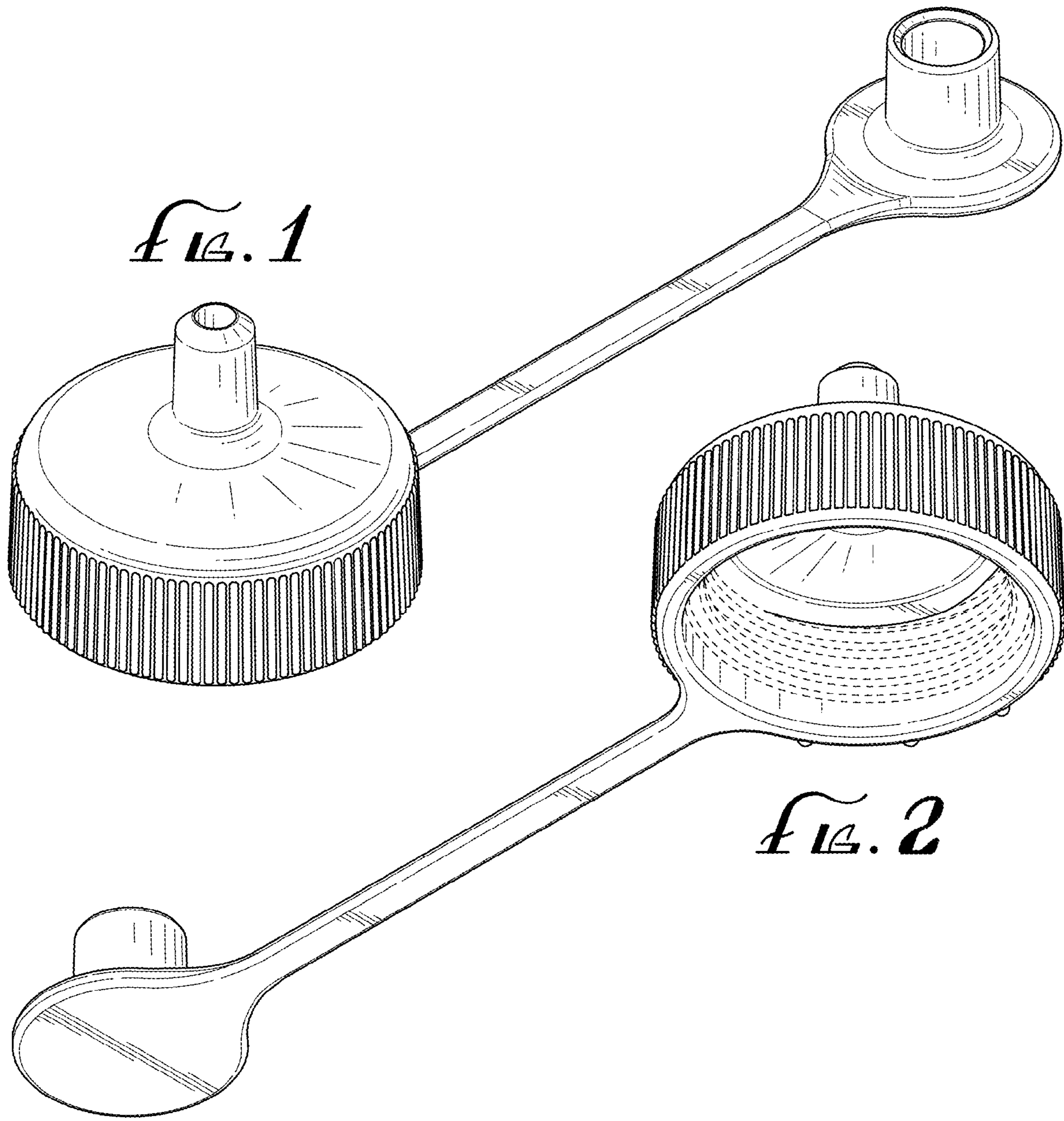


FIG. 1

FIG. 2

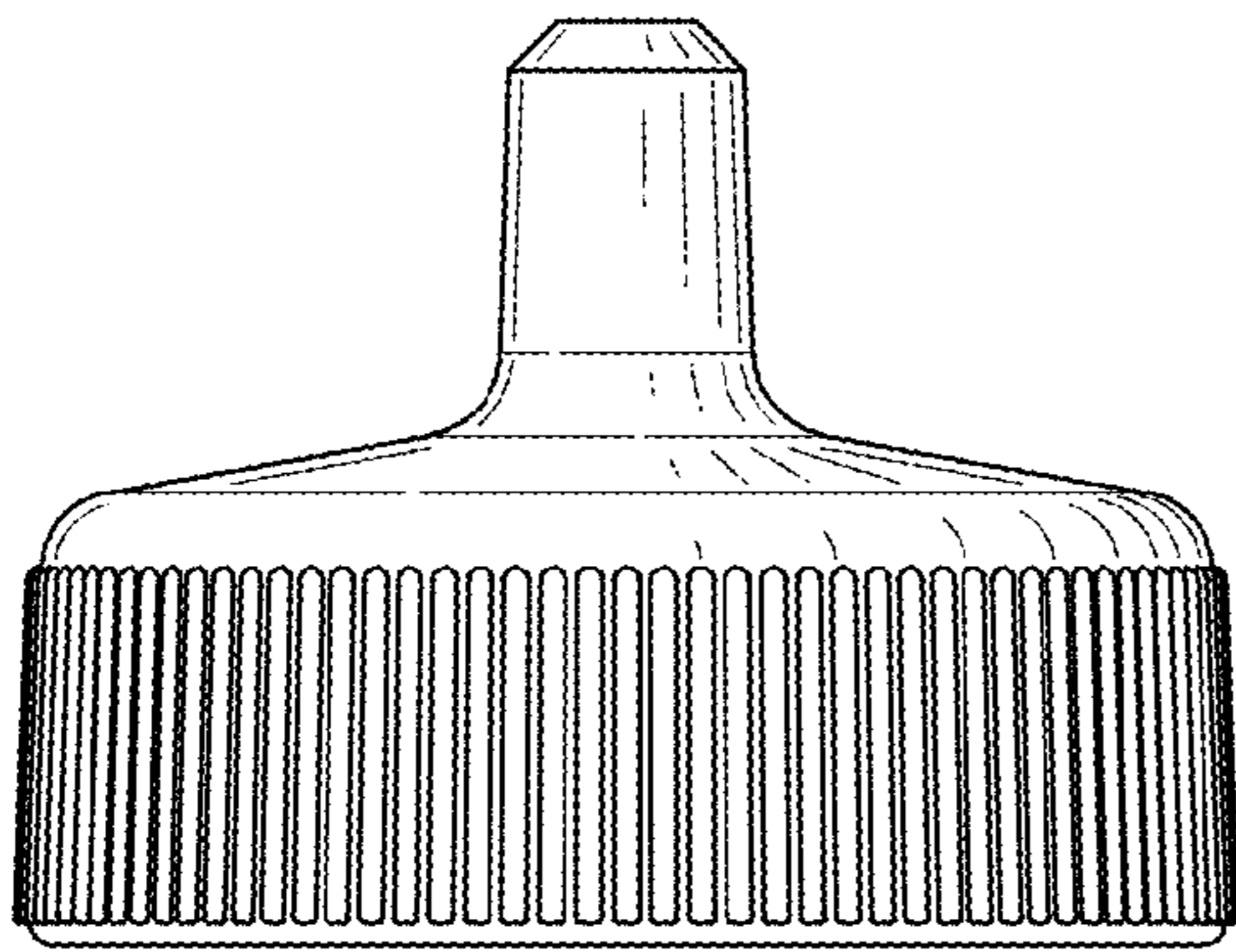


FIG. 3

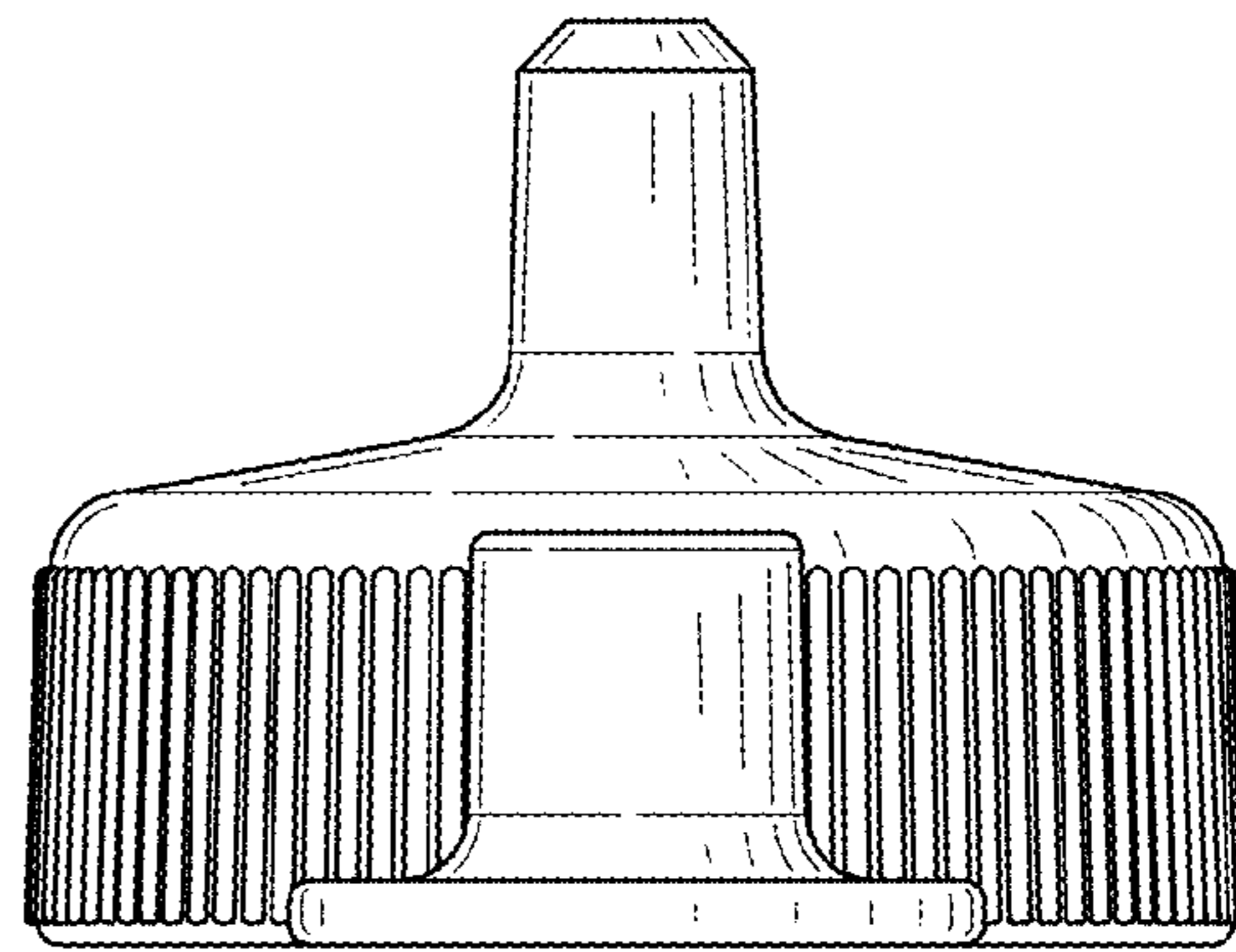


FIG. 4

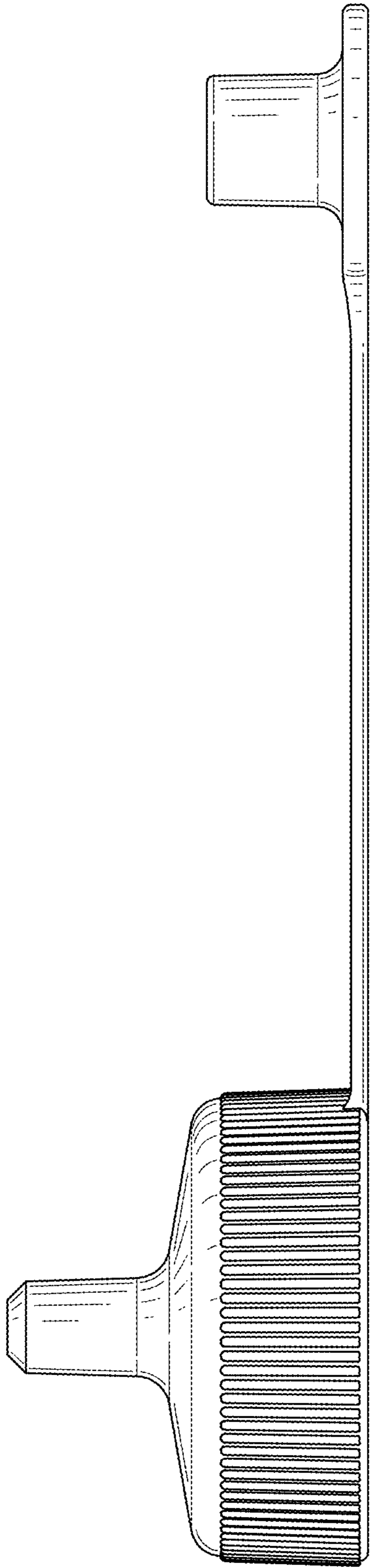


FIG. 5

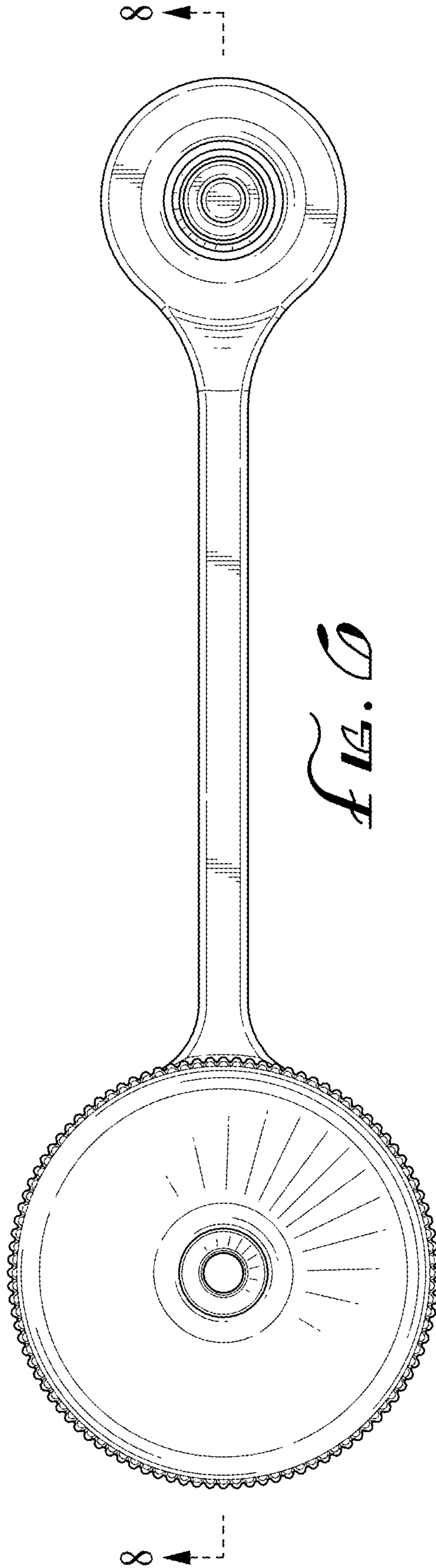


FIG. 6

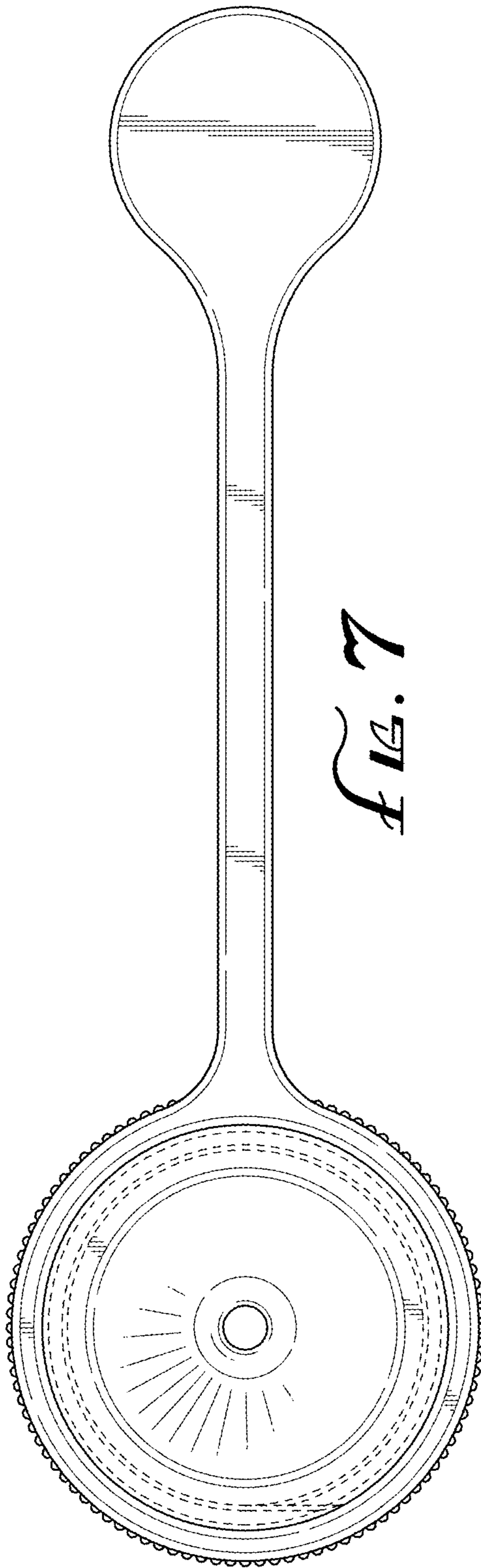


Fig. 7

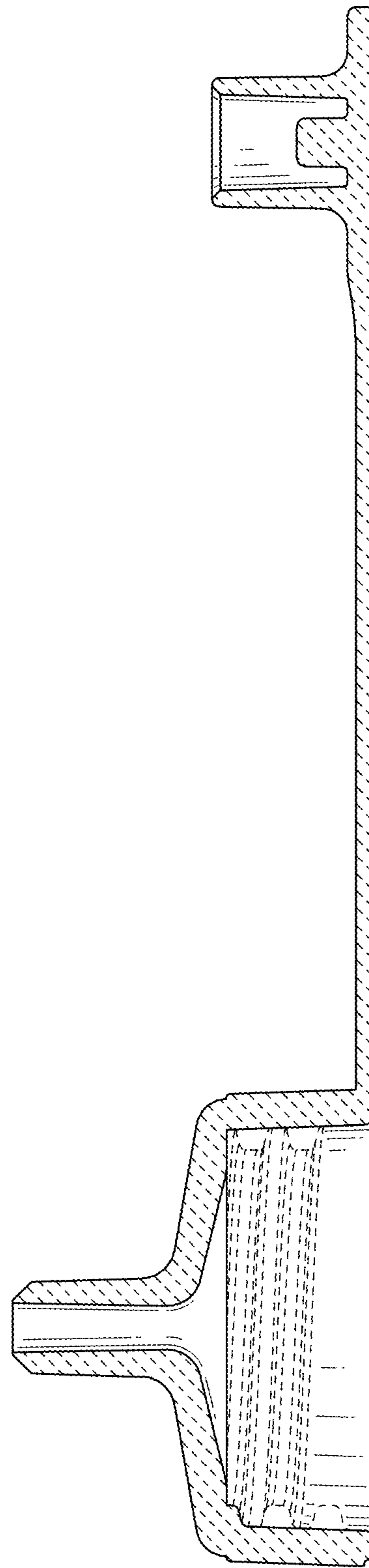


Fig. 8