

US00D938025S

(12)

United States Design Patent

Pitulat et al.

(10)

Patent No.:

US D938,025 S

(45)

Date of Patent:

** Dec. 7, 2021

(54) PLUNGER ROD FOR USE WITH A SYRINGE

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Becton Dickinson France**, Le Pont-de-Claix (FR)

(72) Inventors: **Loïc Pitulat**, Vaulnaveys le Haut (FR); **Yves-Eric Dufour**, Saint Martin d'Hères (FR)

(73) Assignee: **Becton Dickinson France**, Le Pont-de-Claix (FR)

EM 008163687-0001 * 11/2020
EM 008163687-0002 * 11/2020

OTHER PUBLICATIONS

Usage Of Becton Dickinson Precise Luer Lok Syringes in Syringe Pumps | Demo Film, Youtube, [Post date Jan. 4, 2021], [Site visited Sep. 8, 2021], Seen at URL: <https://www.youtube.com/watch?v=xlQ5jxVHiol> (Year: 2021).*

(Continued)

(**) Term: 15 Years

Primary Examiner — Natasha Vujcic
Assistant Examiner — Gilbert B Ford
(74) Attorney, Agent, or Firm — The Webb Law Firm

(21) Appl. No.: 29/727,485

(22) Filed: Mar. 11, 2020

(51) LOC (13) Cl. 24-02

(52) U.S. Cl. USPC D24/130; D24/127

(58) Field of Classification Search
USPC ... D24/127, 130, 133, 146, 147, 108, 110.6, D24/112–114, 129, 224–226, 231, 232; D23/262
CPC G09B 23/285; A61M 5/31501; A61M 2005/3151; A61M 5/3148; A61M 5/31513; A61M 2005/3128; A61M 5/31515
See application file for complete search history.

(57) CLAIM

The ornamental design for a plunger rod for use with a syringe, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a plunger rod for use with a syringe;
FIG. 2 is another perspective view of the plunger rod of FIG. 1.
FIG. 3 is another perspective view of the plunger rod of FIG. 1.
FIG. 4 is another perspective view of the plunger rod of FIG. 1.
FIG. 5 is a front view of the plunger rod of FIG. 1.
FIG. 6 is a top view of the plunger rod of FIG. 1.
FIG. 7 is a right side view of the plunger rod of FIG. 1.
FIG. 8 is a left side view of the plunger rod of FIG. 1.
FIG. 9 is a rear view of the plunger rod of FIG. 1.
FIG. 10 is a bottom view of the plunger rod of FIG. 1; and, FIG. 11 is a cross-sectional view of the plunger rod of FIG. 9, taken along line 11-11 of FIG. 9.
The broken lines representing ribs of the plunger rod, shown in FIGS. 1-6, 9, and 10, form no part of the claimed design.

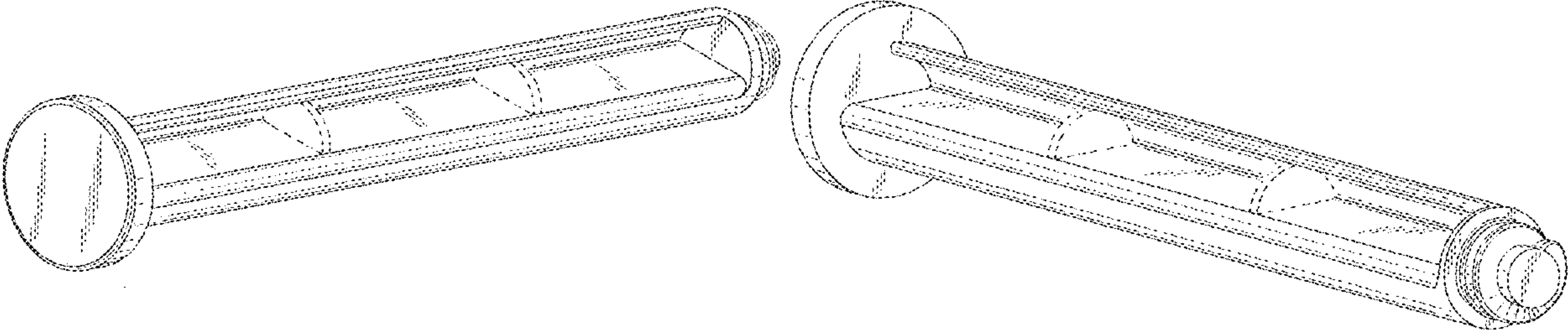
(56) References Cited

U.S. PATENT DOCUMENTS

D287,053 S * 12/1986 Bucchianeri D24/130
D432,231 S * 10/2000 Balestracci D24/112
D437,050 S * 1/2001 Balestracci D24/112
D462,441 S * 9/2002 Garner D24/133
D638,122 S * 5/2011 Kosinski A61M 5/3129
D24/130
D663,415 S * 7/2012 Tamura D24/130
D667,108 S * 9/2012 Mottahed D24/130

(Continued)

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D667,109 S * 9/2012 Mottahed D24/130
D673,268 S * 12/2012 Kommireddy D24/130
D673,675 S * 1/2013 Wong D24/130
D689,188 S * 9/2013 Lundquist D24/130
D713,525 S * 9/2014 Oguro D24/130
D865,947 S * 11/2019 Khalaj D24/114
D889,639 S * 7/2020 Johnson D24/114
D909,570 S * 2/2021 Ahmad D24/114
D911,519 S * 2/2021 Newlove D24/130
2017/0028135 A1 * 2/2017 Fransson A61M 5/3129
2017/0203046 A1 * 7/2017 LaRose A61L 31/048
2017/0209648 A1 * 7/2017 Butts A61L 31/14
2020/0405965 A1 * 12/2020 Marici A61L 2/08
2020/0410897 A1 * 12/2020 Baker A61M 5/31501
2021/0077738 A1 * 3/2021 Dadachanji A61M 5/31501

OTHER PUBLICATIONS

Syringe Loss-Of-Resistance BD Epilor, Simplibuy.ca, [Postdate Jan. 1, 2019n], [Site visited Sep. 8, 2021], Seen at URL: <https://www.simplibuy.ca/Product/Details/10863> (Year: 2019).*

LOR Syringe—Luer Slip Tip, Busse, insightneedles.com, [Post date unknow], [Site visited Sep. 8, 2021], Seen at URL: <https://www.insightneedles.com/products/busse-lor-syringe> (Year: 2021).*

* cited by examiner

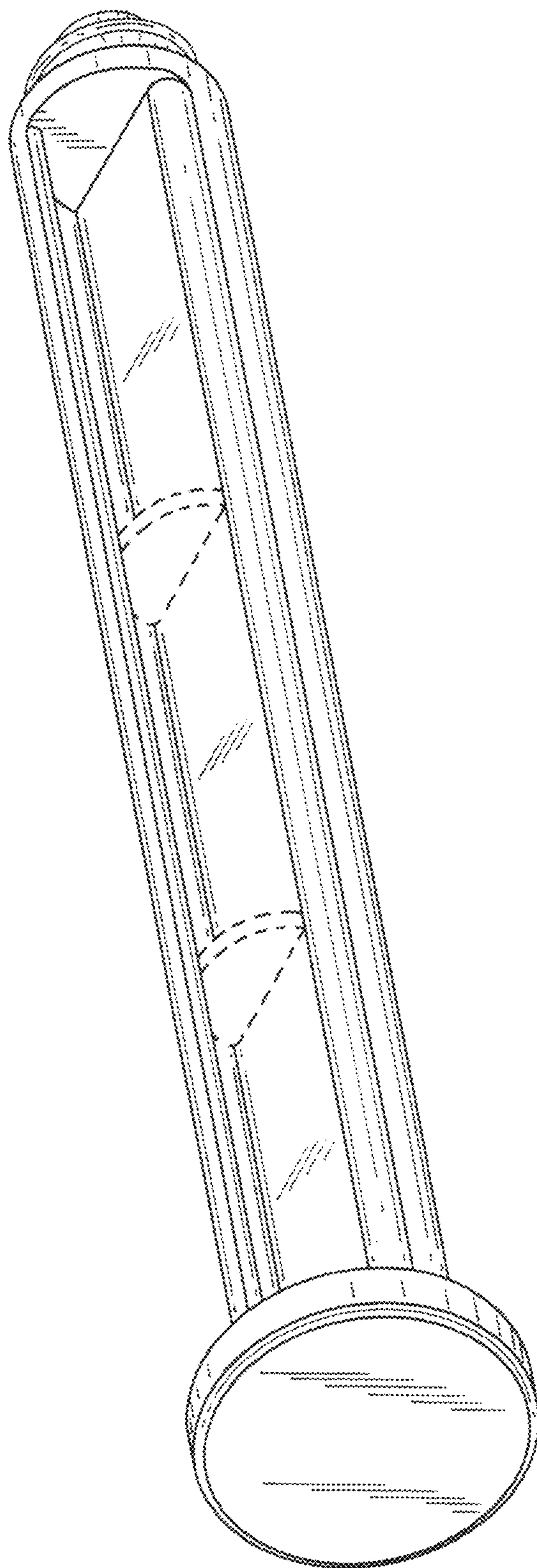


FIG. 1

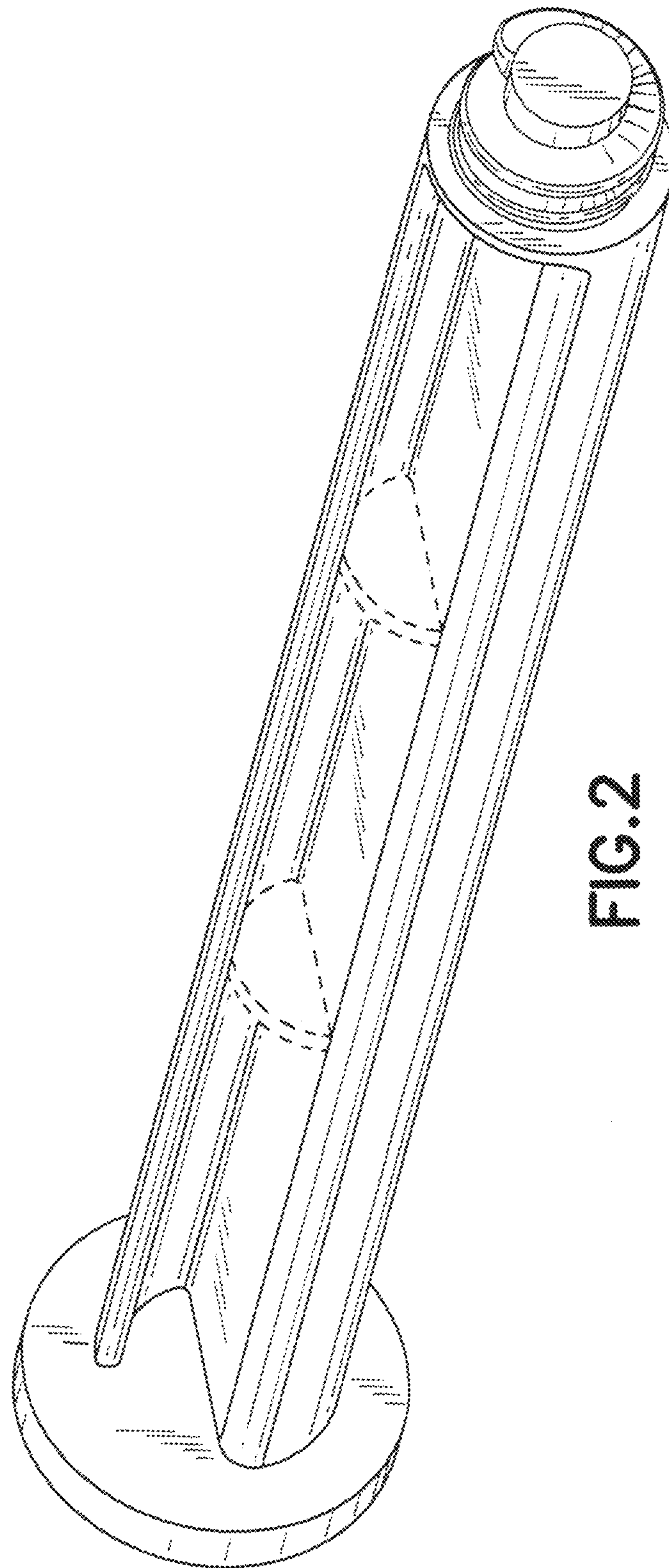


FIG. 2

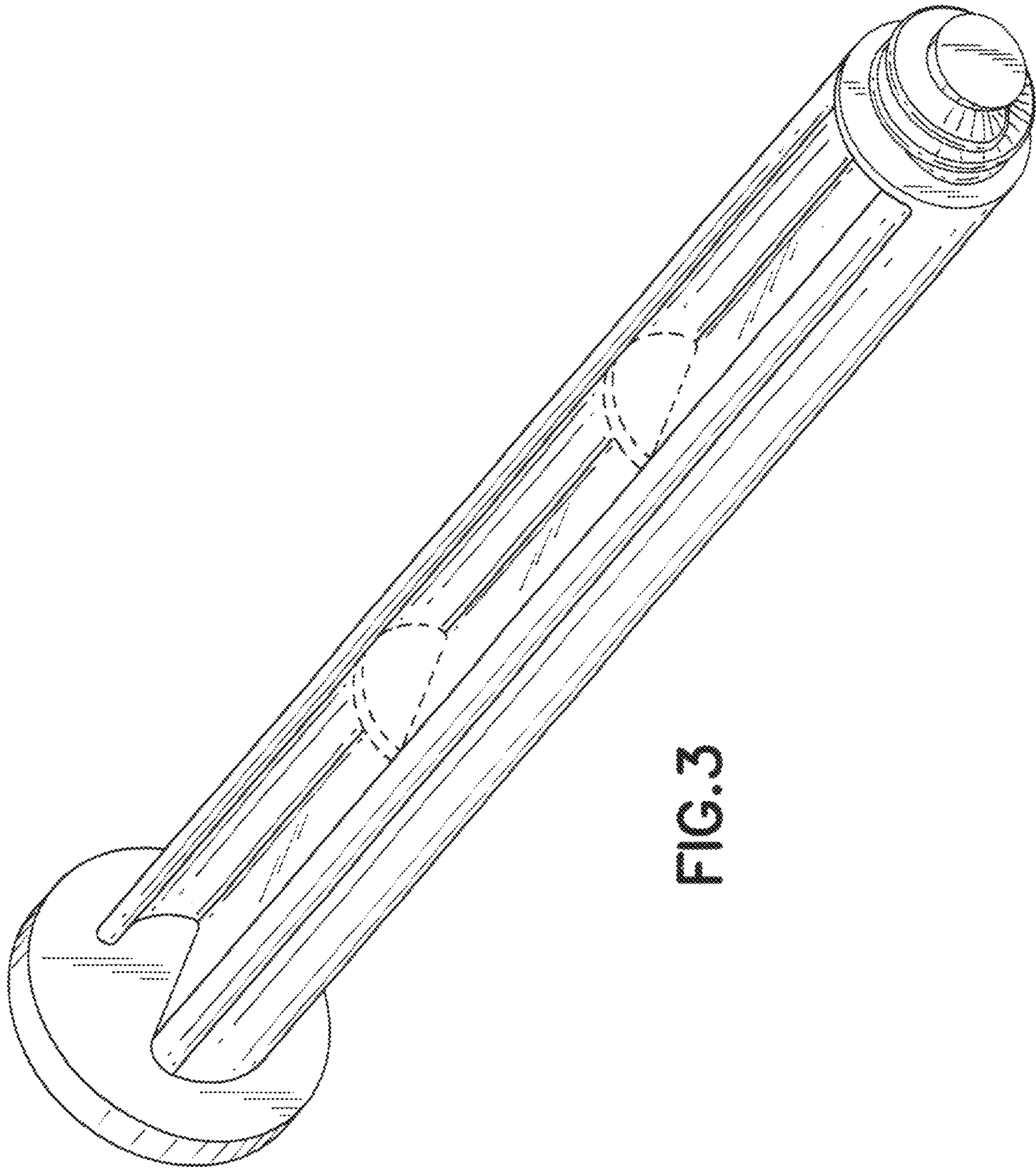


FIG. 3

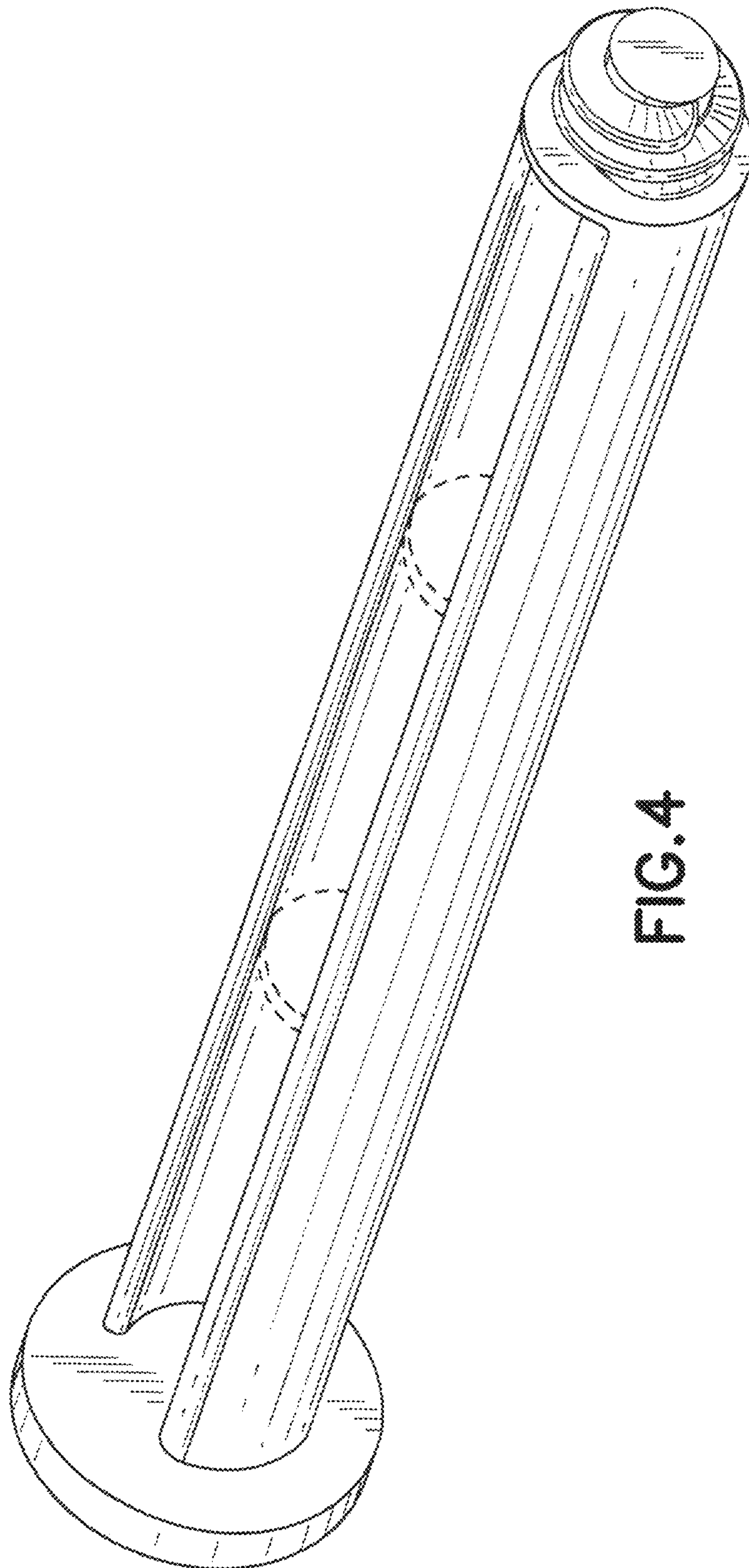


FIG. 4

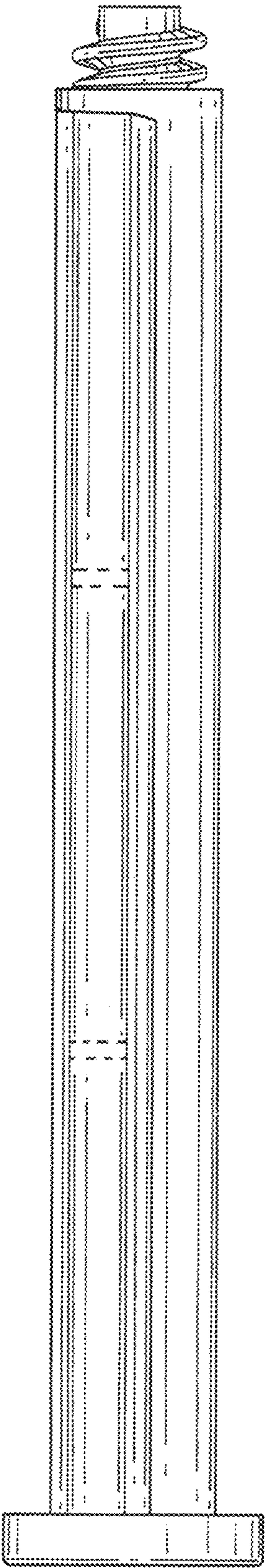


FIG. 5

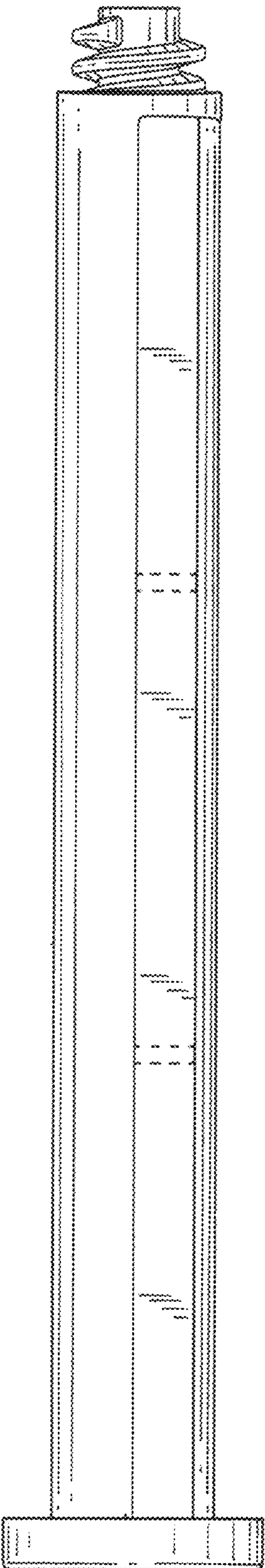


FIG. 6

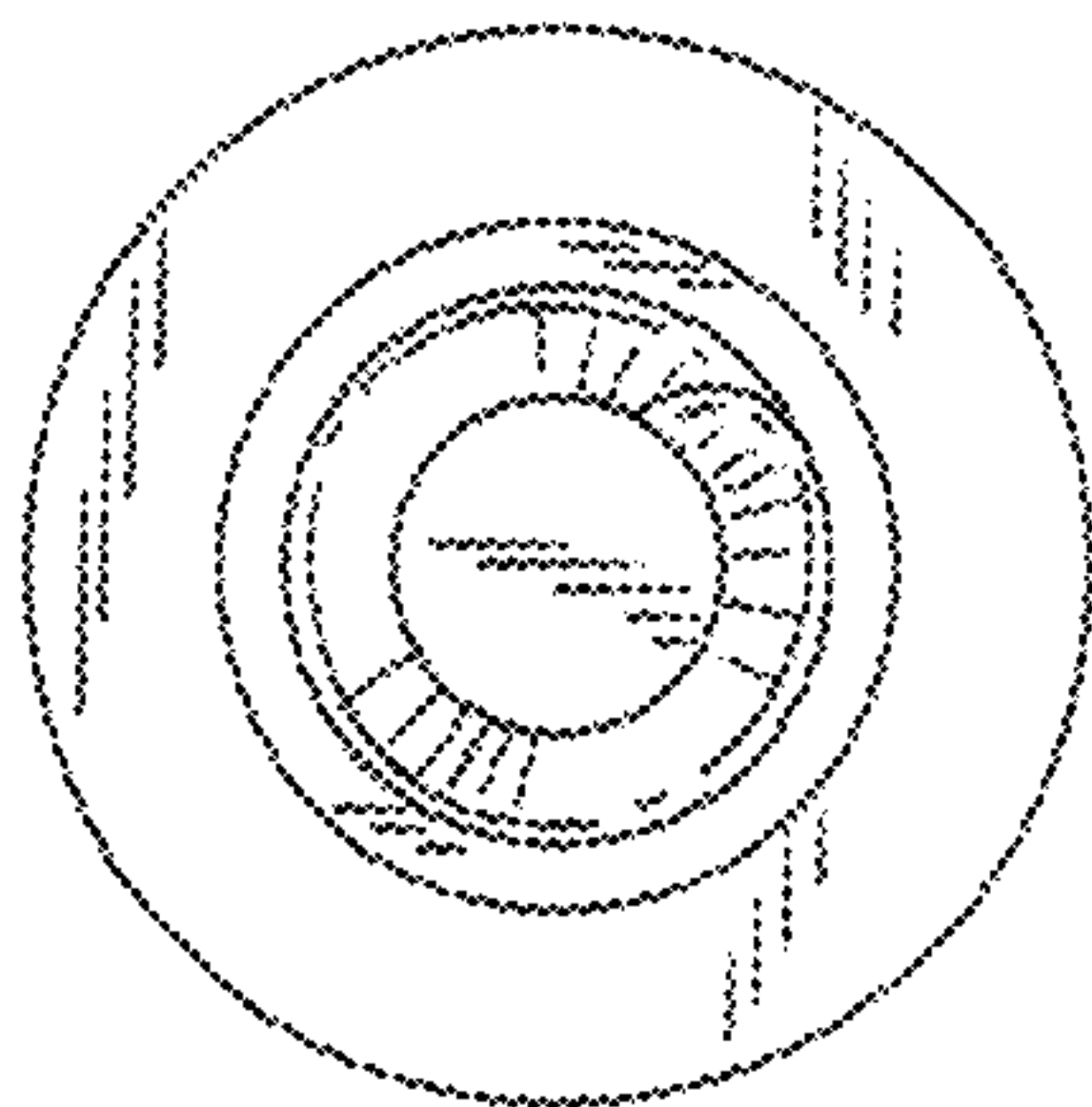


FIG. 7

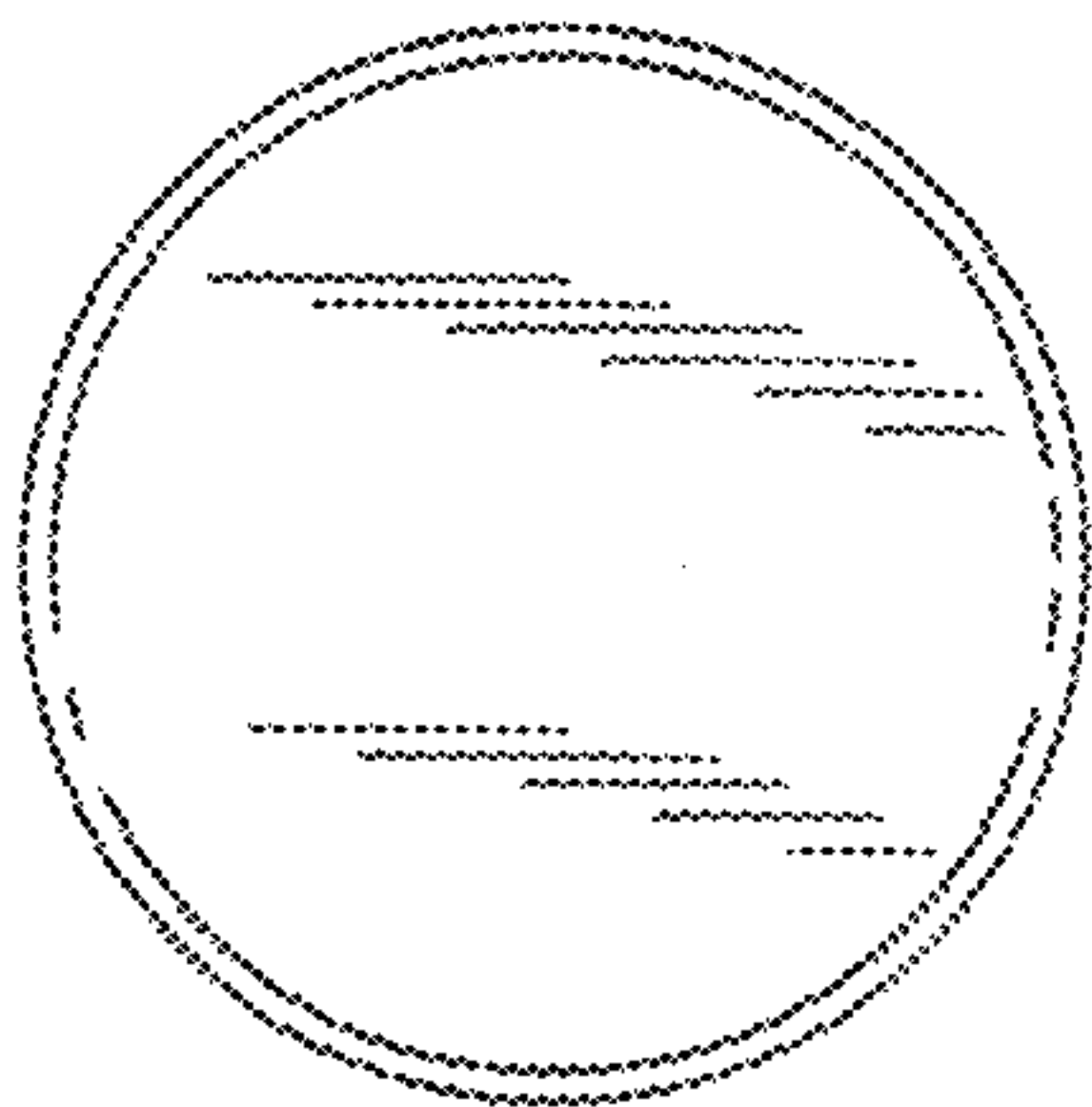


FIG. 8

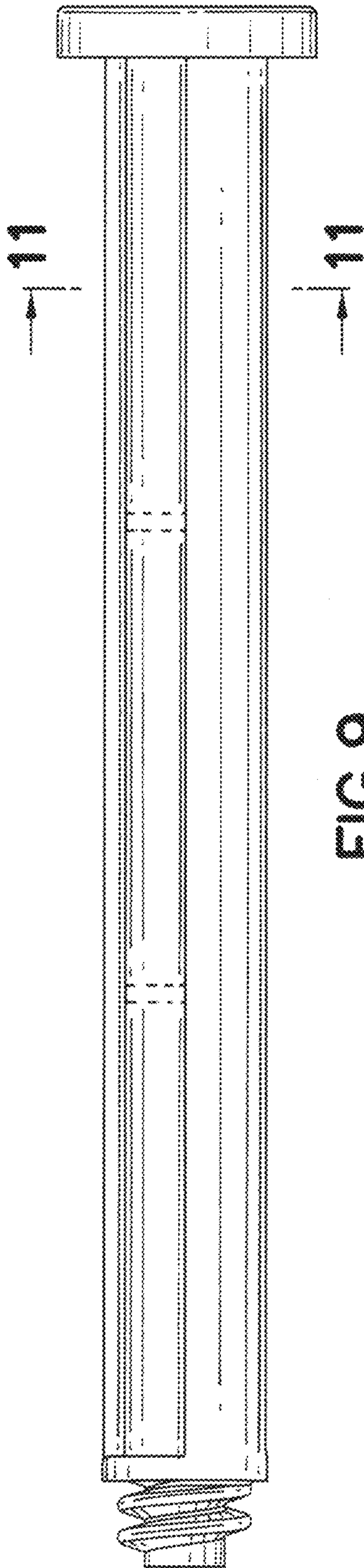


FIG. 9

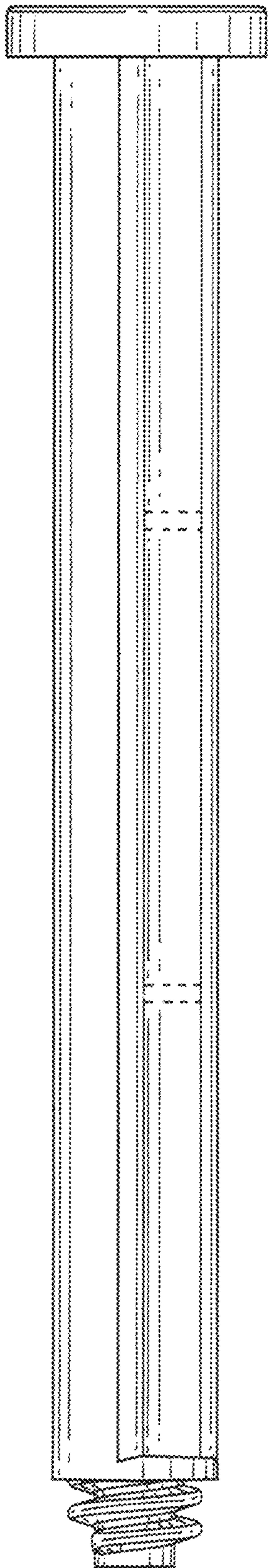


FIG. 10

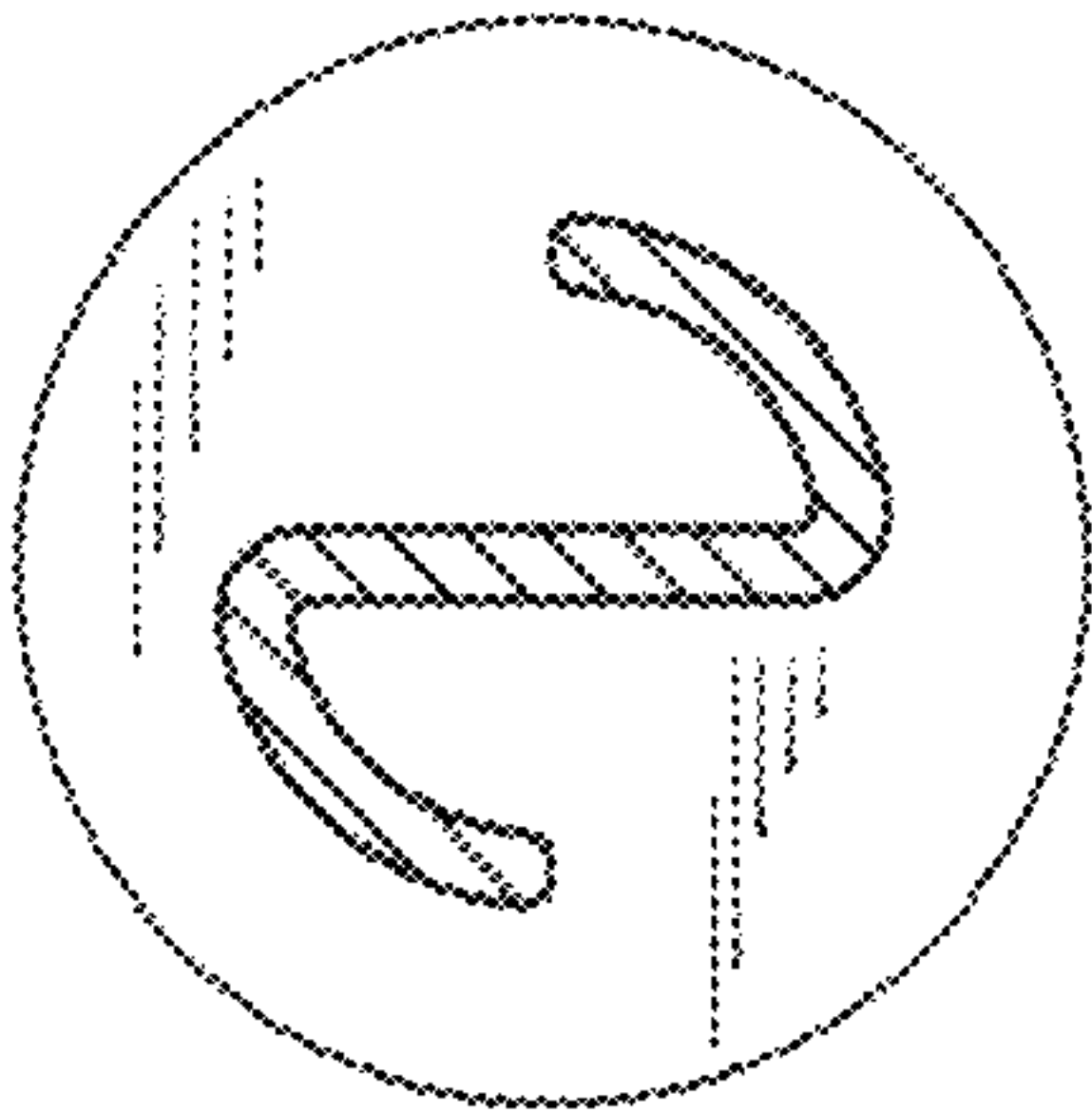


FIG. 11