



US00D792589S

(12) **United States Design Patent** (10) **Patent No.:** **US D792,589 S**
Alexander et al. (45) **Date of Patent:** **** Jul. 18, 2017**

(54) **NASAL DILATOR**

(71) Applicants: **Ian J. Alexander**, Los Alamos, NM (US); **Brian D Owens**, Plano, TX (US)

(72) Inventors: **Ian J. Alexander**, Los Alamos, NM (US); **Brian D Owens**, Plano, TX (US)

(73) Assignee: **SIMPLICITY, LLC**, Springville, UT (US)

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

(21) Appl. No.: **29/554,047**

(22) Filed: **Feb. 8, 2016**

Related U.S. Application Data

(62) Division of application No. 29/496,118, filed on Jul. 9, 2014, now Pat. No. Des. 772,408.

(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/135**

(58) **Field of Classification Search**
USPC D24/135, 112, 130, 133, 140, 147, 149
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D238,173 S * 12/1975 Felt D24/149
D379,227 S 5/1997 Rosen
(Continued)

FOREIGN PATENT DOCUMENTS

CN 202179770 U 4/2012
CN 102526868 B 12/2013
(Continued)

OTHER PUBLICATIONS

CN 102526868, Xiuxang Song—English Translation Jul. 4, 2012.
CN202179770, Yongsheng Tian—English Translation Apr. 4, 2012.

Primary Examiner — Wan Laymon

Assistant Examiner — Mark Booker

(74) *Attorney, Agent, or Firm* — Goodhue, Coleman & Owens, P.C.

(57) **CLAIM**

The ornamental design for a nasal dilator, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a nasal dilator showing another one of our new designs;

FIG. 2 is an enlarged view of the left side of the nasal dilator shown in FIG. 1 taken along line 2;

FIG. 3 is an enlarged view of the right side of the nasal dilator shown in FIG. 1 taken along line 3;

FIG. 4 is a front view of the nasal dilator shown in FIG. 1;

FIG. 5 is an enlarged view of the left side of the nasal dilator shown in FIG. 4 taken along line 5;

FIG. 6 is an enlarged view of the right side of the nasal dilator shown in FIG. 4 taken along line 6;

FIG. 7 is an enlarged end view of the right side of the nasal dilator shown in FIG. 1;

FIG. 8 is an enlarged end view of the left side of the nasal dilator shown in FIG. 1;

FIG. 9 is a perspective view of a nasal dilator showing another one of our new designs;

FIG. 10 is an enlarged view of the left side of the nasal dilator shown in FIG. 9 taken along line 10;

FIG. 11 is an enlarged view of the right side of the nasal dilator shown in FIG. 9 taken along line 11;

FIG. 12 is a front view of the nasal dilator shown in FIG. 9;

FIG. 13 is an enlarged view of the left side of the nasal dilator shown in FIG. 12 taken along line 13;

FIG. 14 is an enlarged view of the right side of the nasal dilator shown in FIG. 12 taken along line 14;

FIG. 15 is an enlarged end view of the right side of the nasal dilator shown in FIG. 9;

FIG. 16 is an enlarged end view of the left side of the nasal dilator shown in FIG. 9;

FIG. 17 is a perspective view of a nasal dilator showing another one of our new designs;

(Continued)

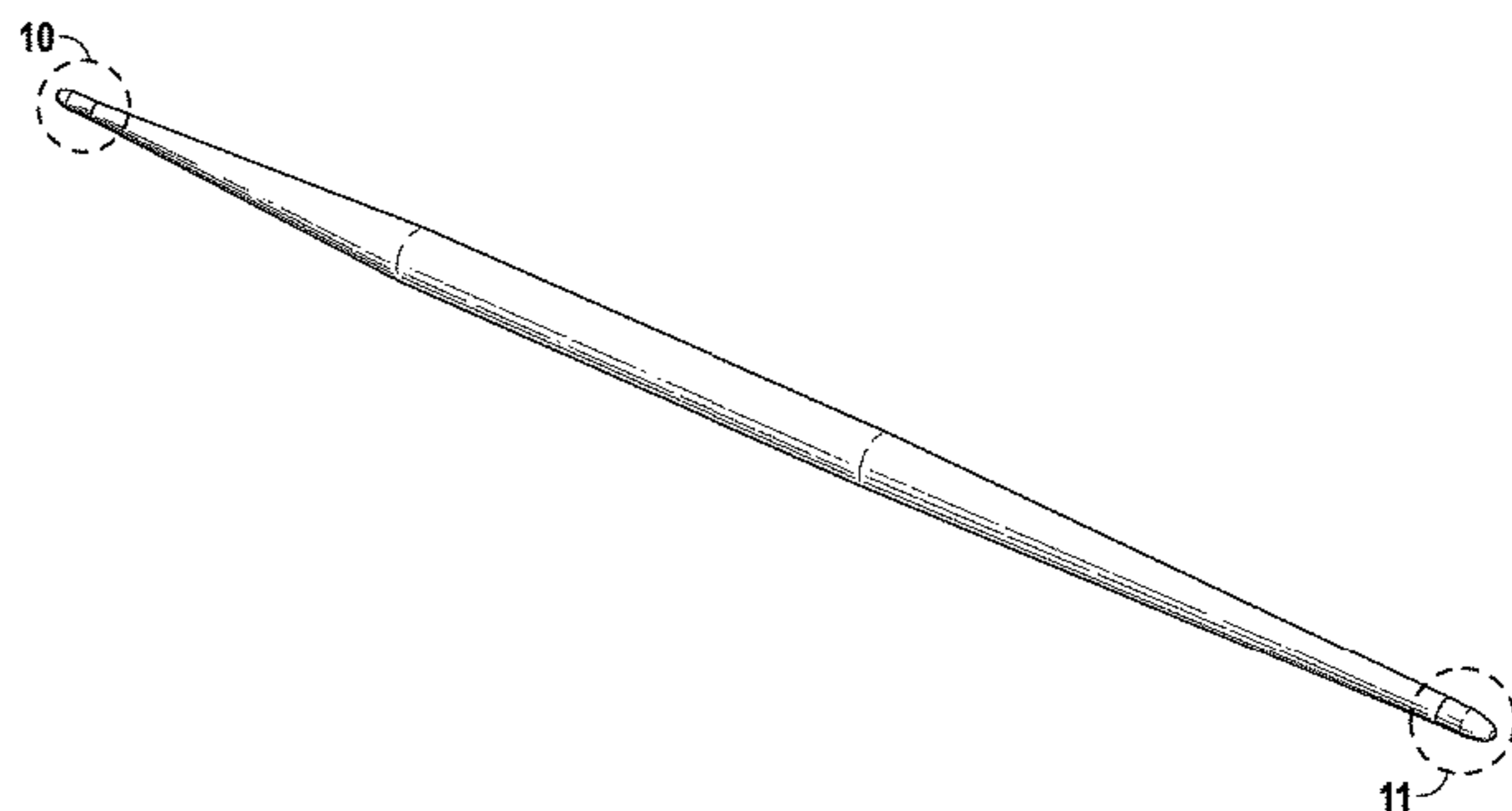
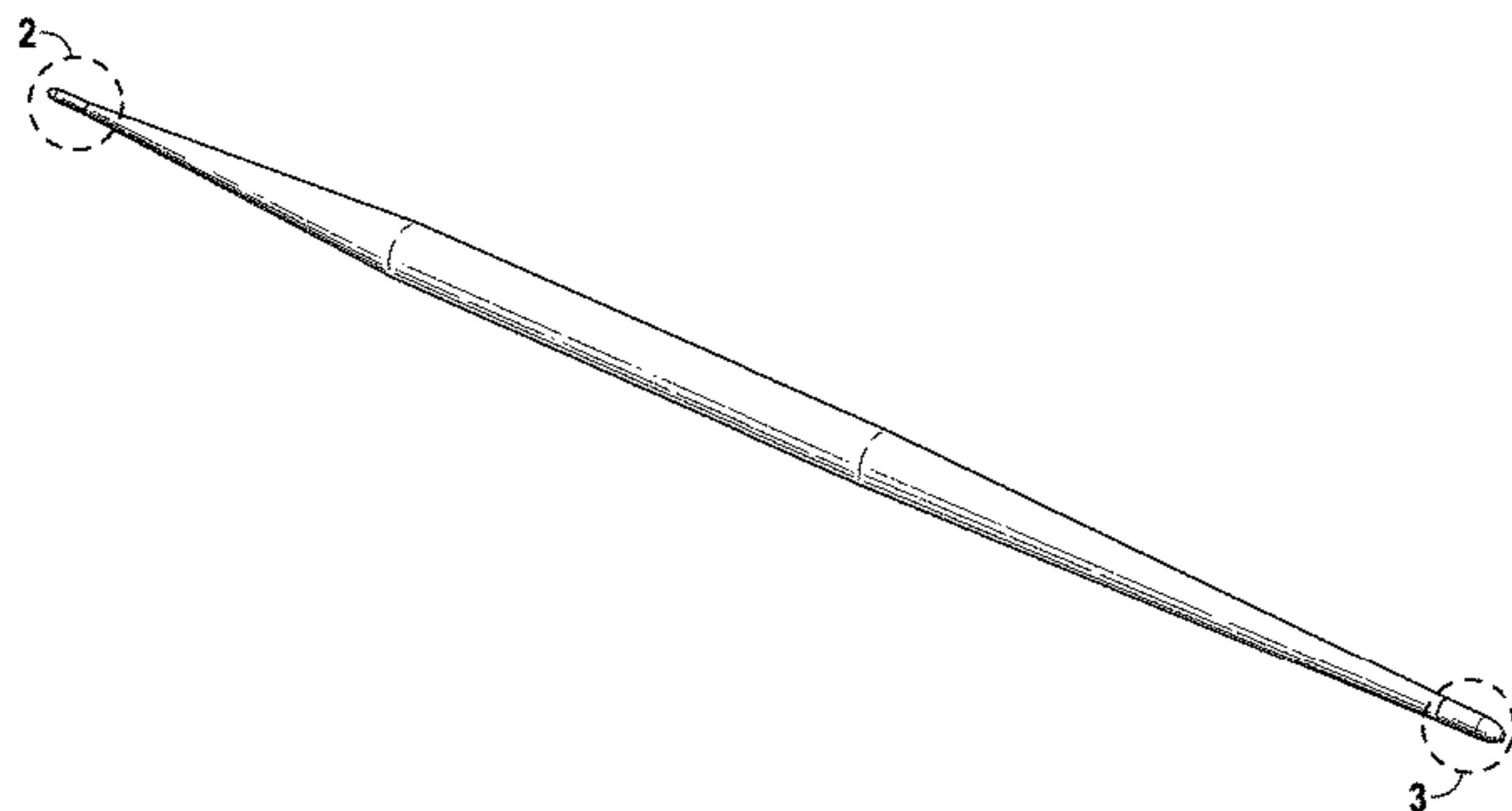


FIG. 18 is an enlarged view of the left side of the nasal dilator shown in FIG. 17 taken along line 18;
 FIG. 19 is an enlarged view of the right side of the nasal dilator shown in FIG. 17 taken along line 19;
 FIG. 20 is a front view of the nasal dilator shown in FIG. 17;
 FIG. 21 is an enlarged view of the left side of the nasal dilator shown in FIG. 20 taken along line 21;
 FIG. 22 is an enlarged view of the right side of the nasal dilator shown in FIG. 20 taken along line 22;
 FIG. 23 is an enlarged end view of the right side of the nasal dilator shown in FIG. 17;
 FIG. 24 is an enlarged end view of the left side of the nasal dilator shown in FIG. 17;
 FIG. 25 is a cross-sectional view of the left side of the nasal dilator shown in FIG. 18 taken along line 25; and,
 FIG. 26 is a cross-sectional view of the right side of the nasal dilator shown in FIG. 19 taken along line 26.

1 Claim, 7 Drawing Sheets

(58) **Field of Classification Search**

CPC A61F 5/08; A61M 29/00; A61M 29/02;
 A61B 17/24; A61B 1/233; A61B
 2018/00327; A61B 5/6819

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D382,342 S 8/1997 Rosen
 D436,174 S 1/2001 Komamura
 D438,954 S 3/2001 Orsing
 D439,979 S 4/2001 Strobel et al.
 D442,687 S 5/2001 Schulz
 D453,378 S 2/2002 Mangione

D458,682 S * 6/2002 Szymaitis D24/152
 D460,555 S 7/2002 Holbrook
 D485,358 S 1/2004 Woo
 D516,722 S 3/2006 Mak
 D523,142 S * 6/2006 Stalcup D24/135
 D531,727 S 11/2006 Mak
 D586,914 S * 2/2009 DaSilva D24/135
 7,771,409 B2 8/2010 Chang et al.
 D623,741 S 9/2010 Kupferschmid et al.
 7,803,150 B2 9/2010 Chang et al.
 D629,896 S 12/2010 Horton
 D631,962 S 2/2011 Dorman
 D648,021 S 11/2011 Dorman
 8,172,828 B2 5/2012 Chang et al.
 8,182,432 B2 5/2012 Kim et al.
 D685,466 S * 7/2013 Moshinsky D24/130
 8,679,103 B2 3/2014 Krespi
 8,721,591 B2 5/2014 Chang et al.
 D772,408 S * 11/2016 Alexander D24/135
 2004/0073141 A1 4/2004 Hartley et al.
 2008/0021283 A1* 1/2008 Kuranda A61B 17/02
 600/201
 2010/0071857 A1 3/2010 Hung
 2010/0198247 A1 8/2010 Chang et al.
 2010/0203474 A1 8/2010 Chen
 2011/0021975 A1 1/2011 Covello
 2011/0022172 A1 1/2011 Gonzales et al.
 2012/0053404 A1 3/2012 Schreck et al.
 2012/0071857 A1 3/2012 Goldfarb et al.
 2012/0330345 A1 12/2012 Tasca
 2013/0253567 A1 9/2013 Edgren et al.
 2013/0274600 A1 10/2013 Jenkins et al.
 2015/0066071 A1 3/2015 Alexander et al.

FOREIGN PATENT DOCUMENTS

WO 2008036149 A2 3/2008
 WO 2008134288 A2 11/2008
 WO 2013130464 A1 9/2013
 WO 2013155409 A1 10/2013
 WO 2015035048 A2 3/2015

* cited by examiner

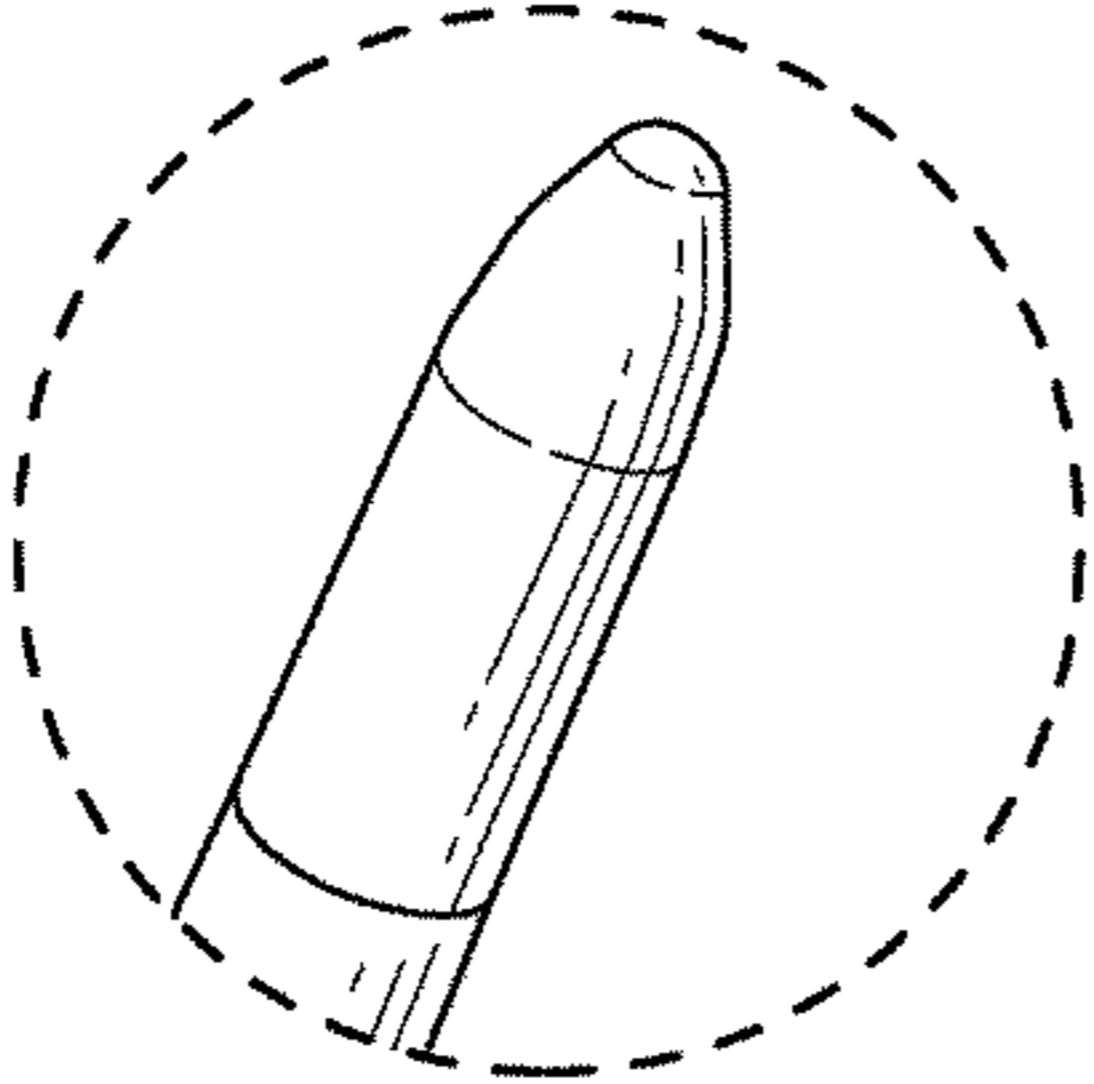


FIG. 3

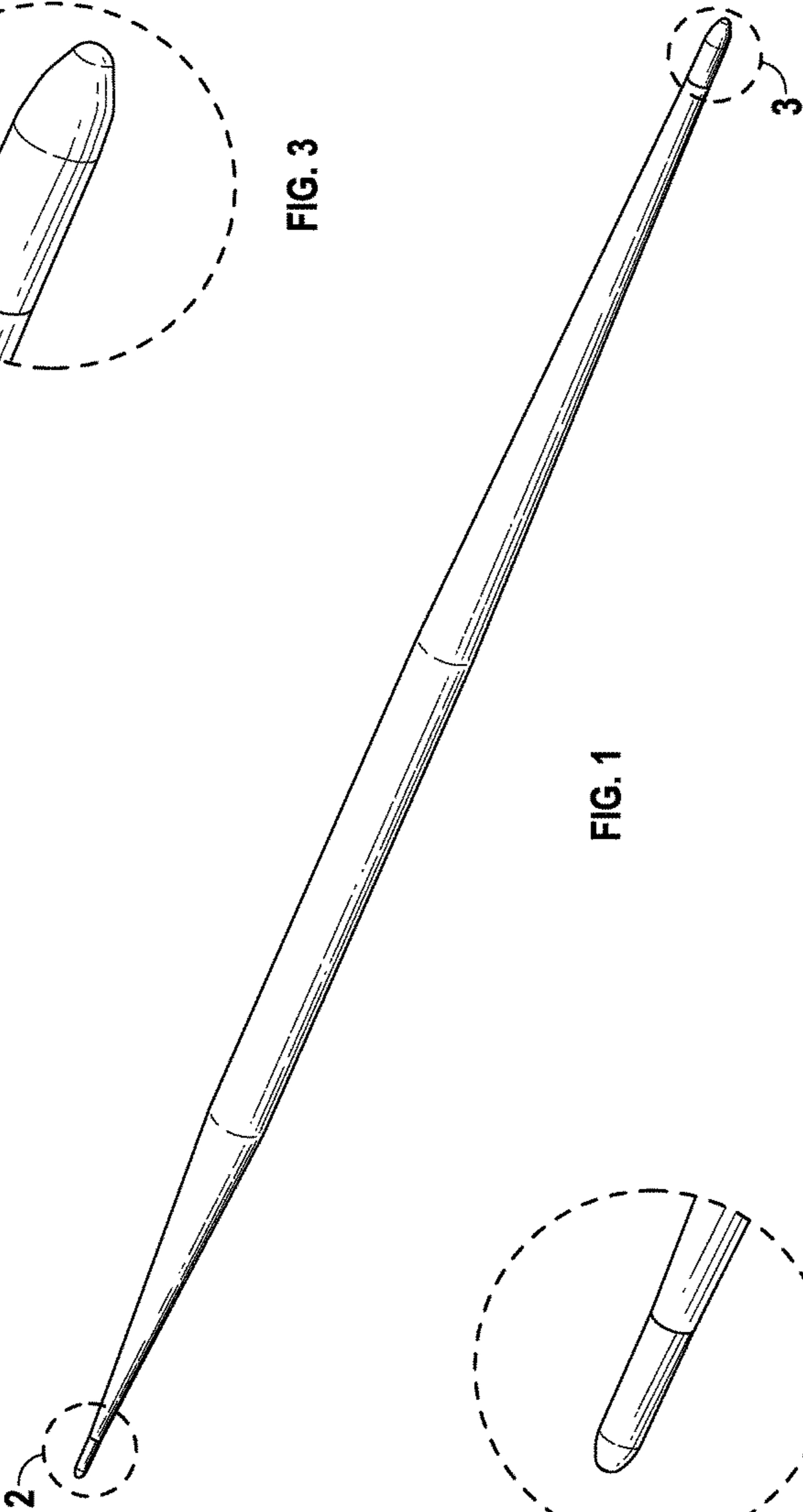


FIG. 1

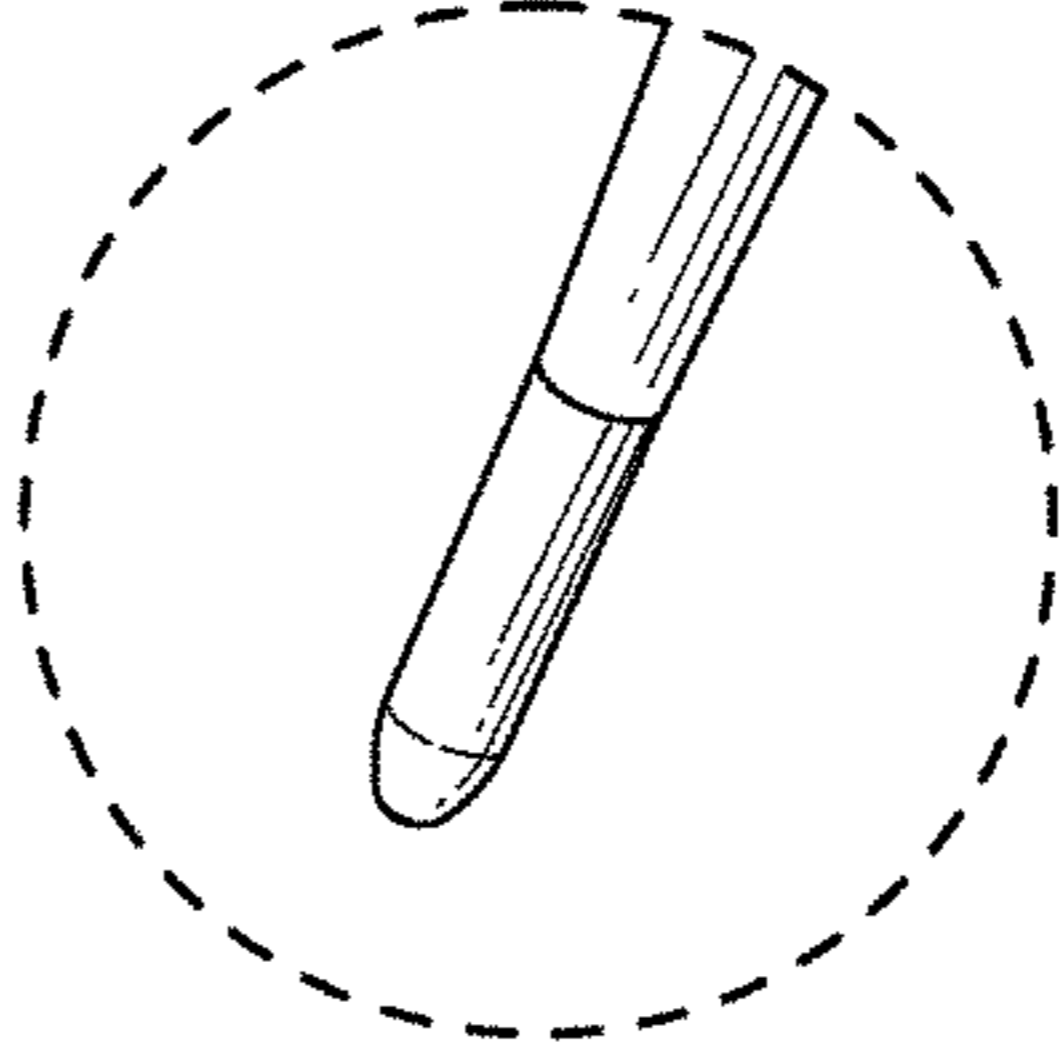


FIG. 2

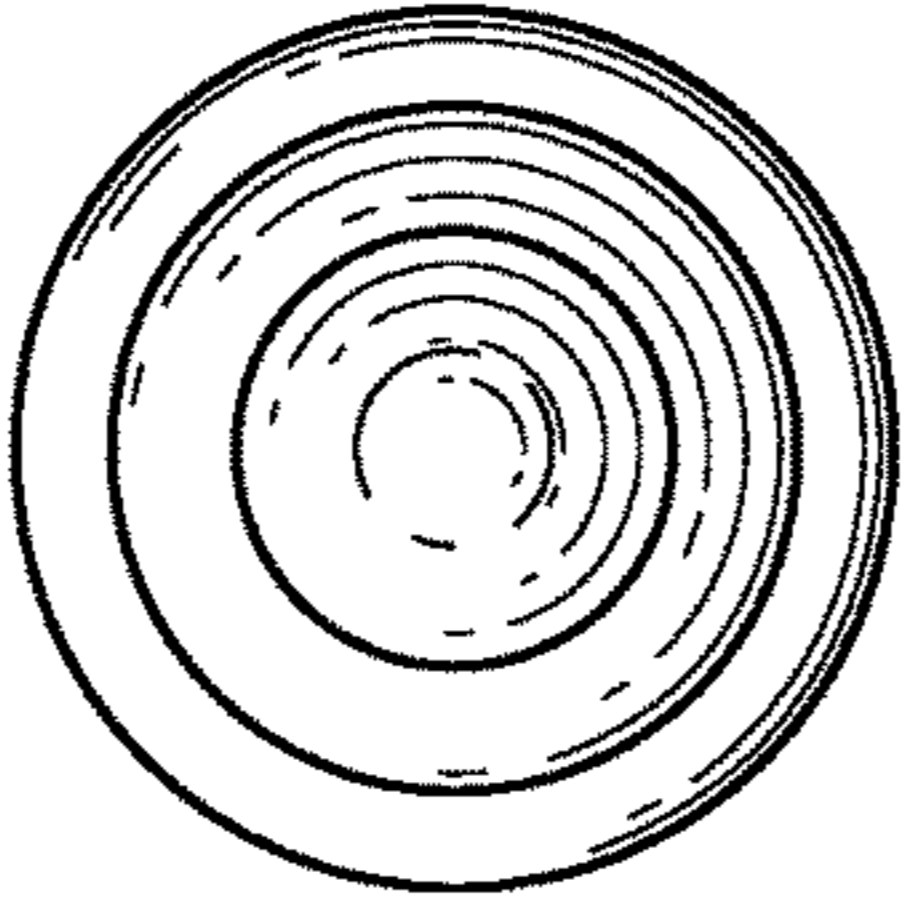
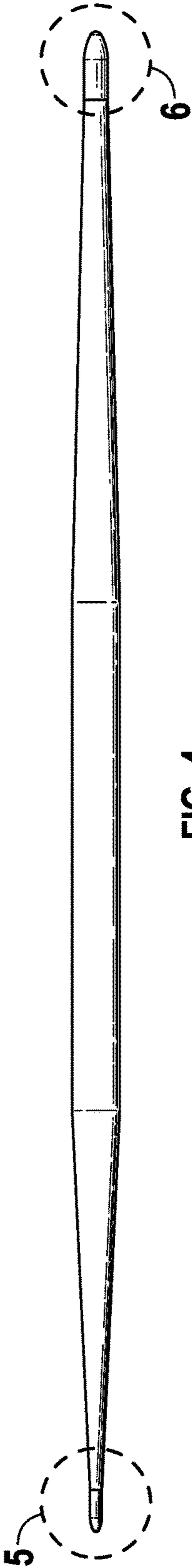


FIG. 7

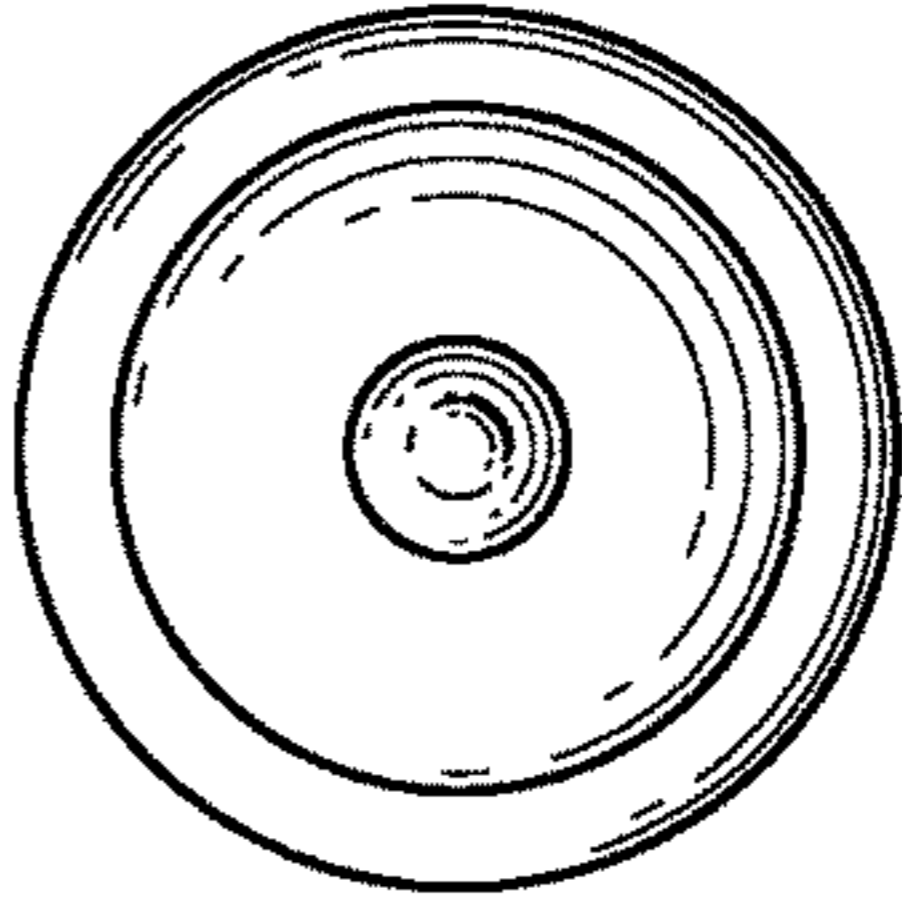


FIG. 8

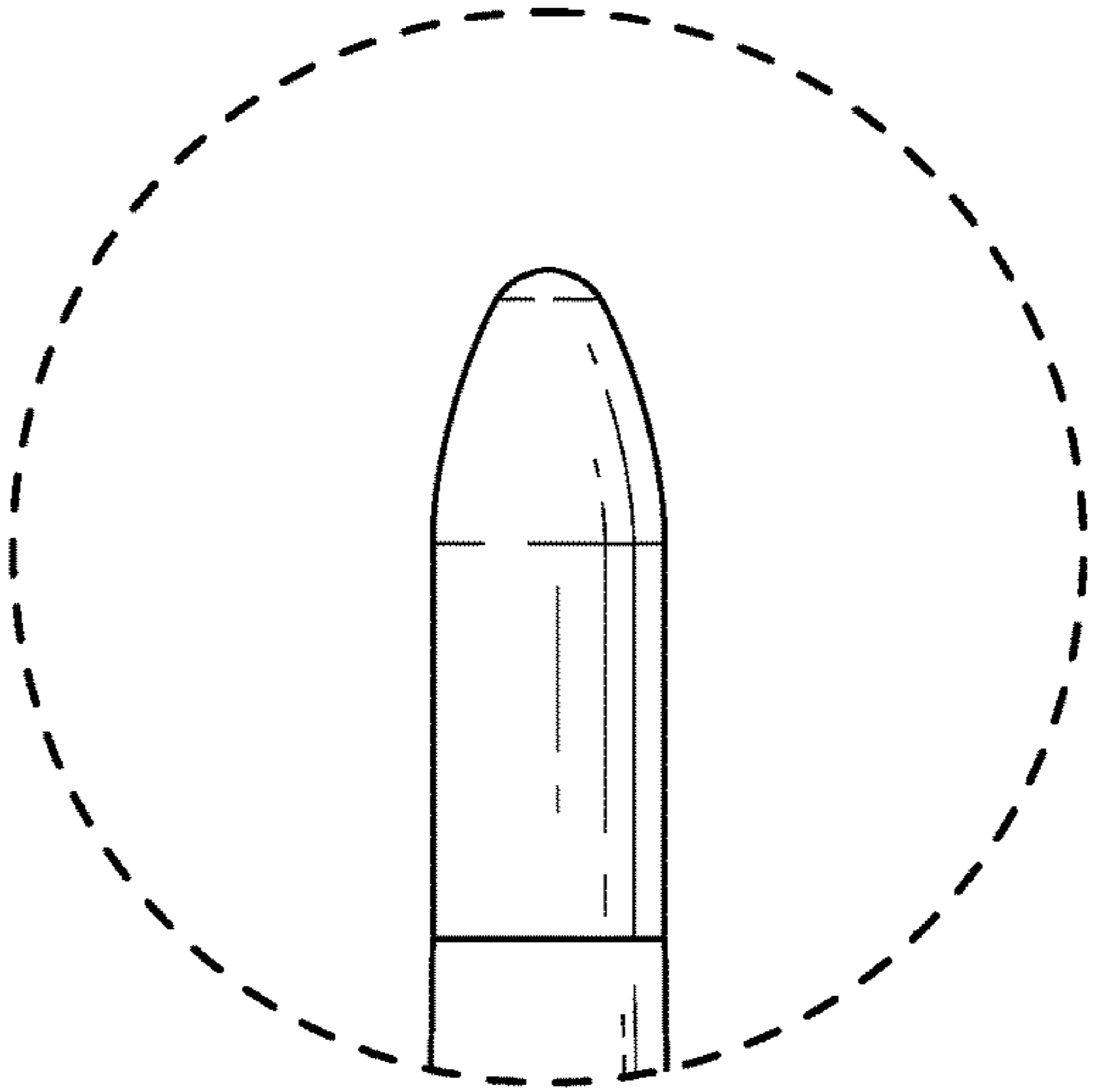


FIG. 6

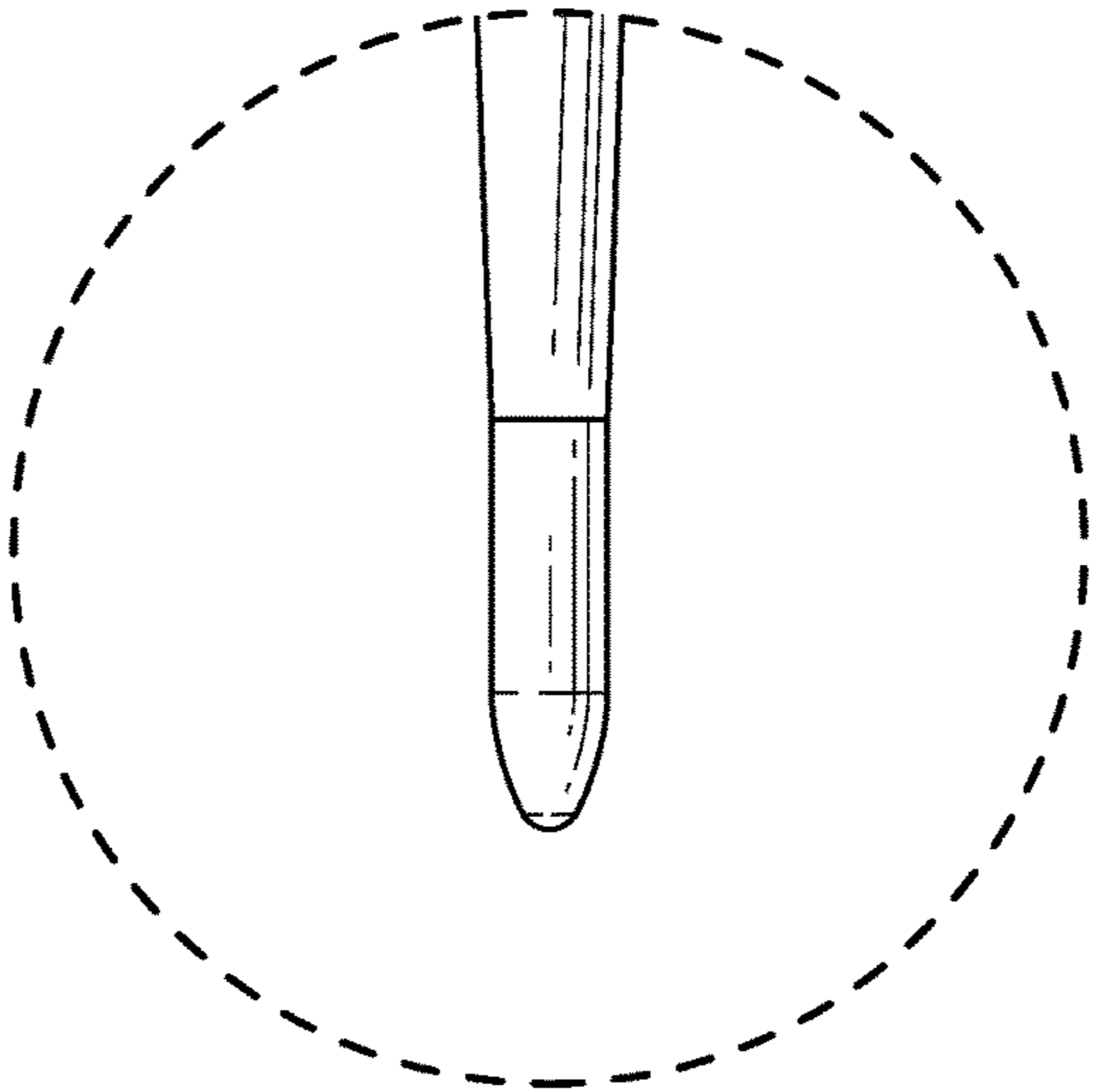


FIG. 5

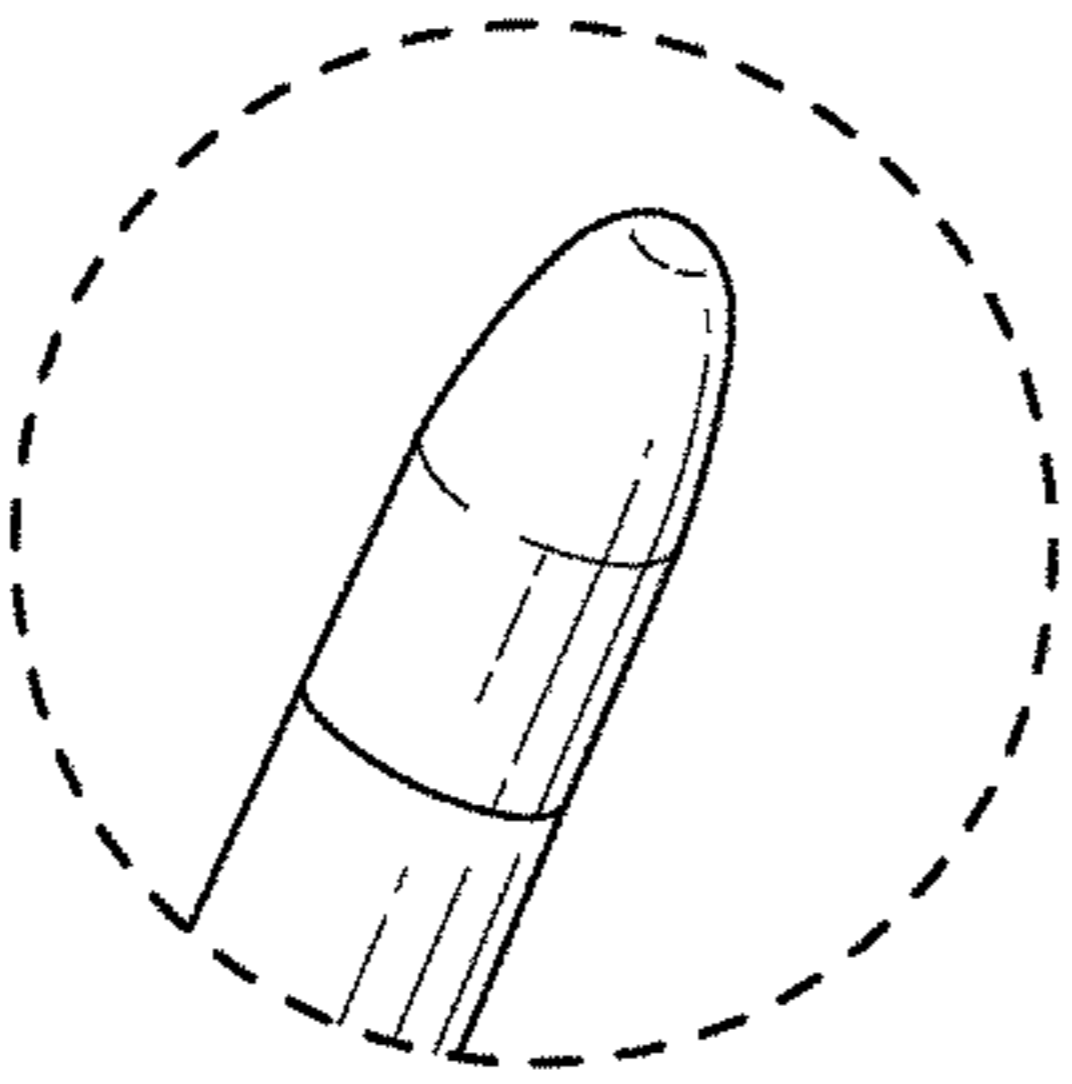


FIG. 11

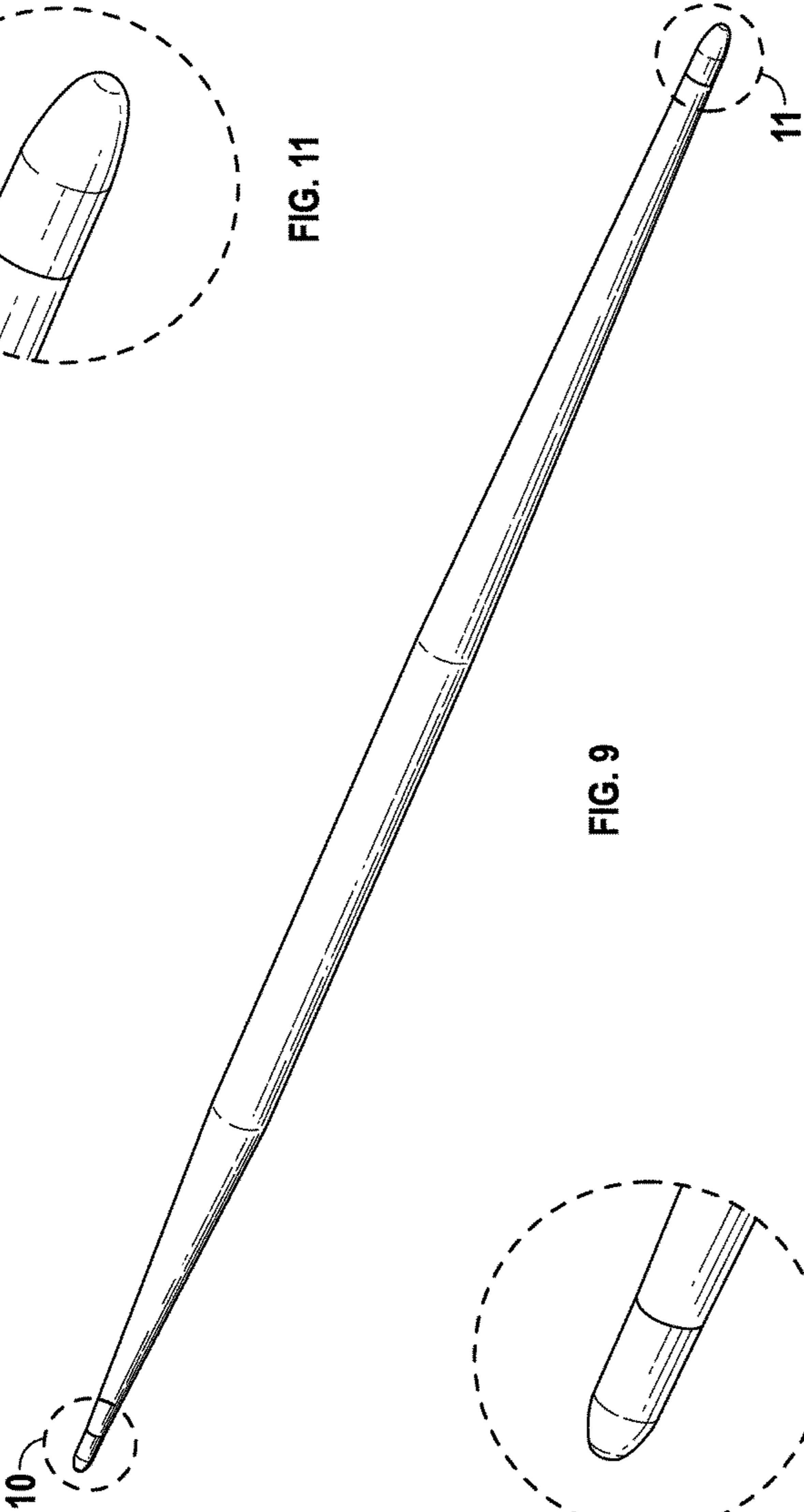


FIG. 9

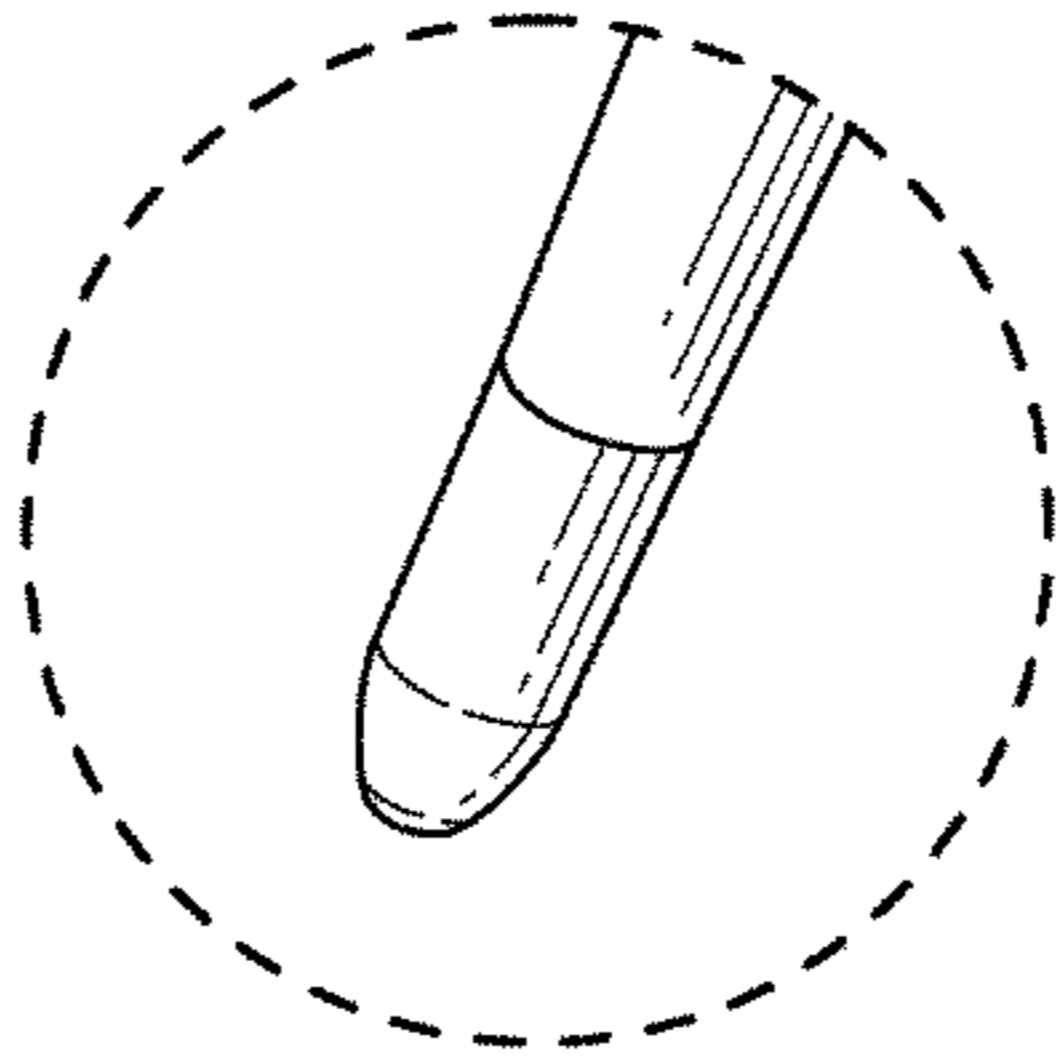


FIG. 10

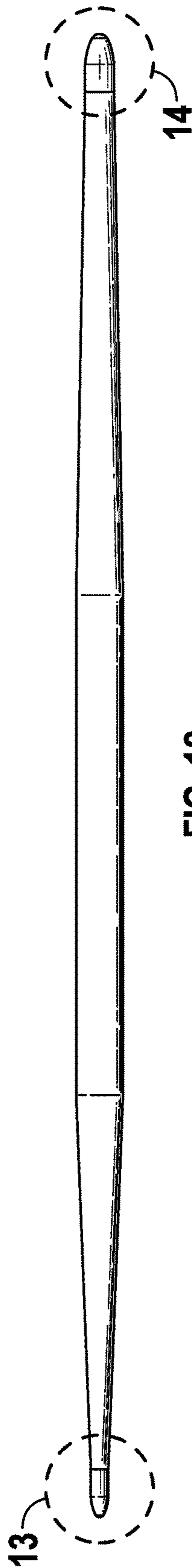


FIG. 12

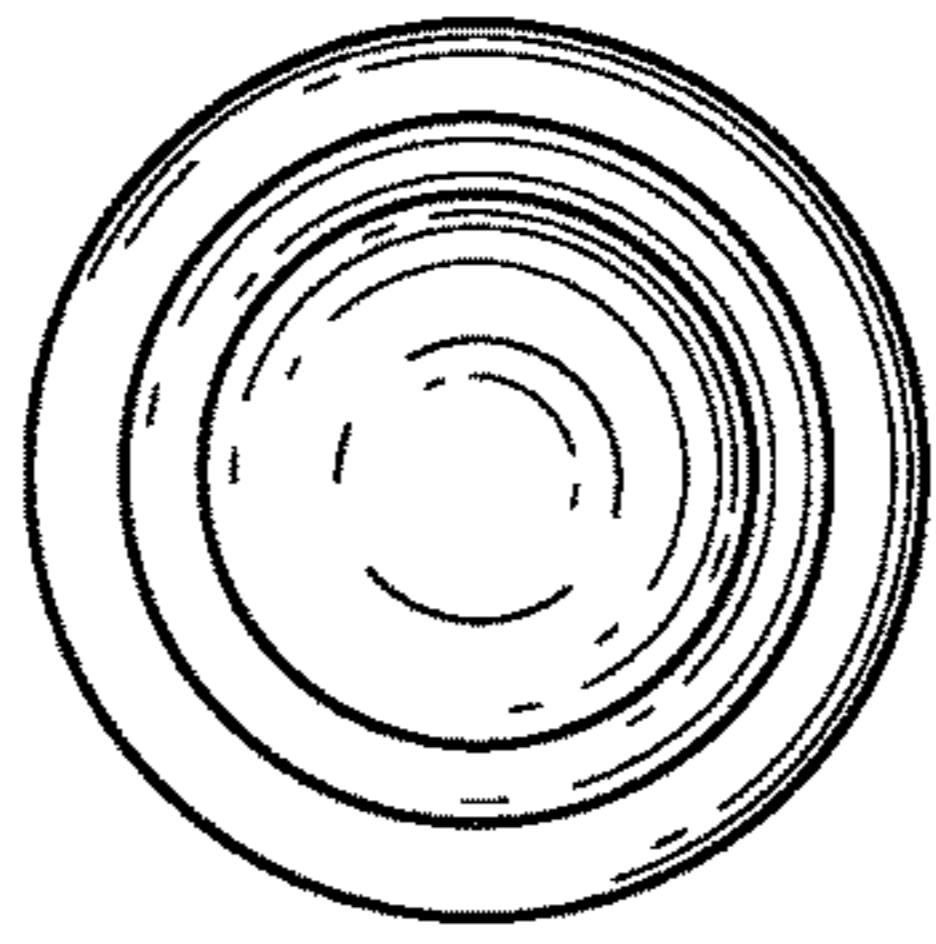


FIG. 15

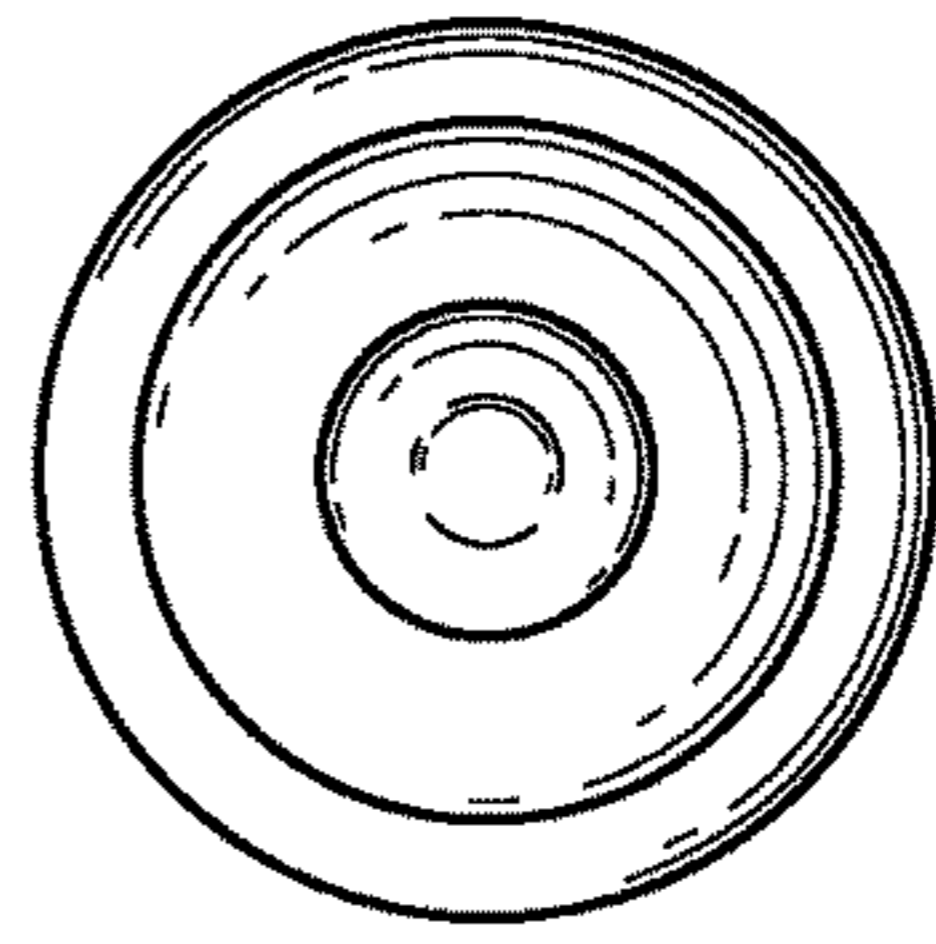


FIG. 16

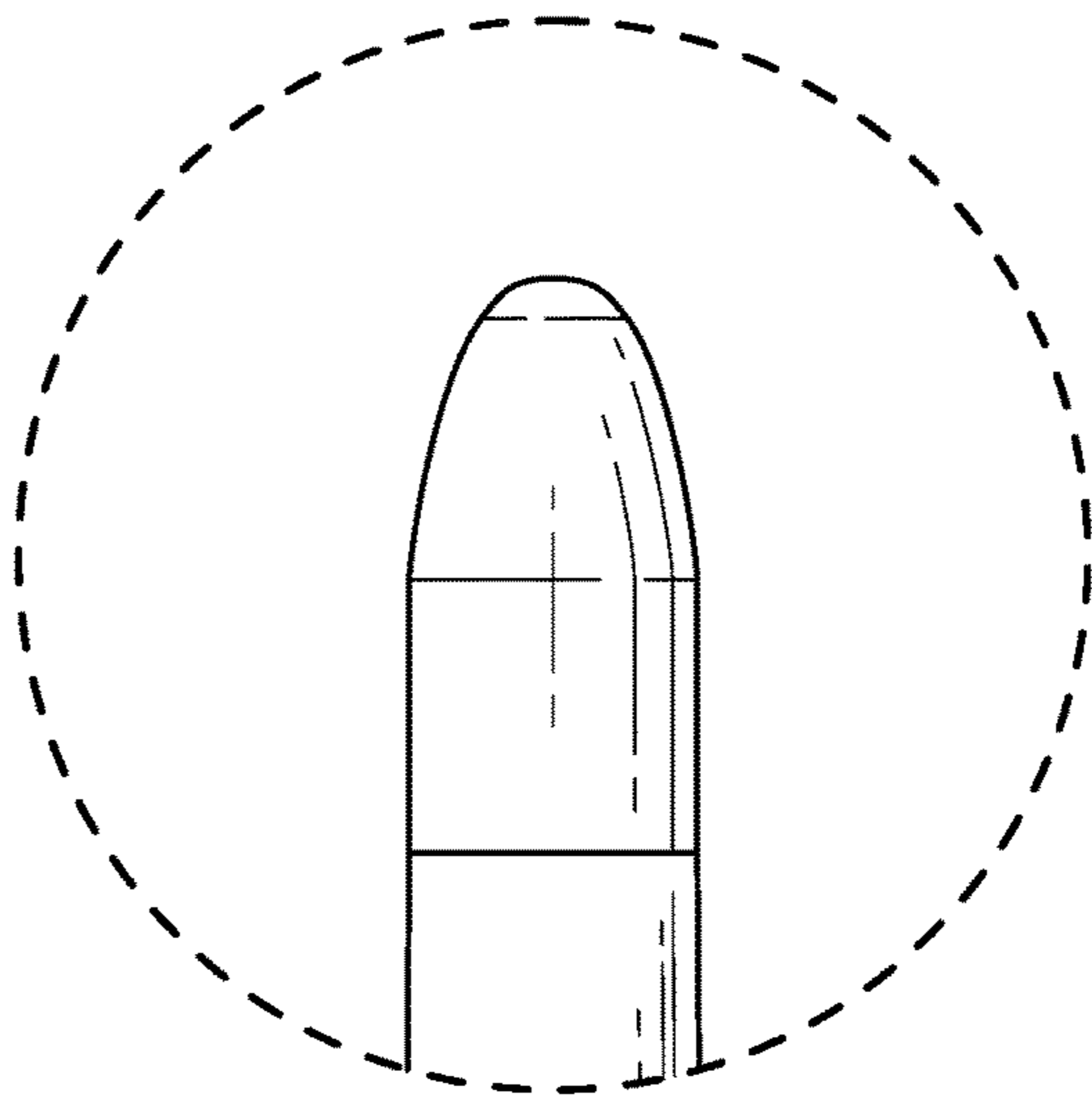


FIG. 14

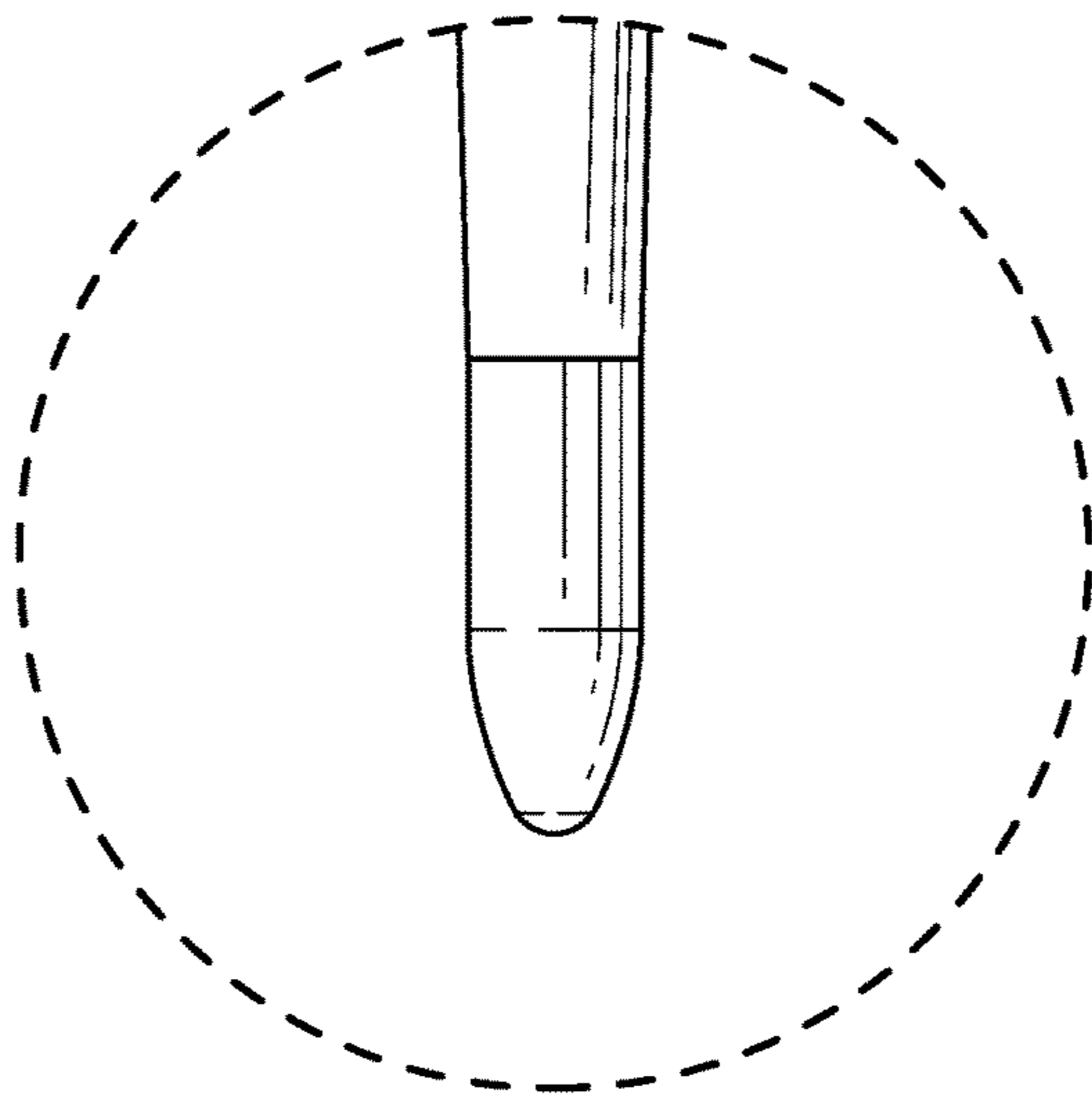


FIG. 13

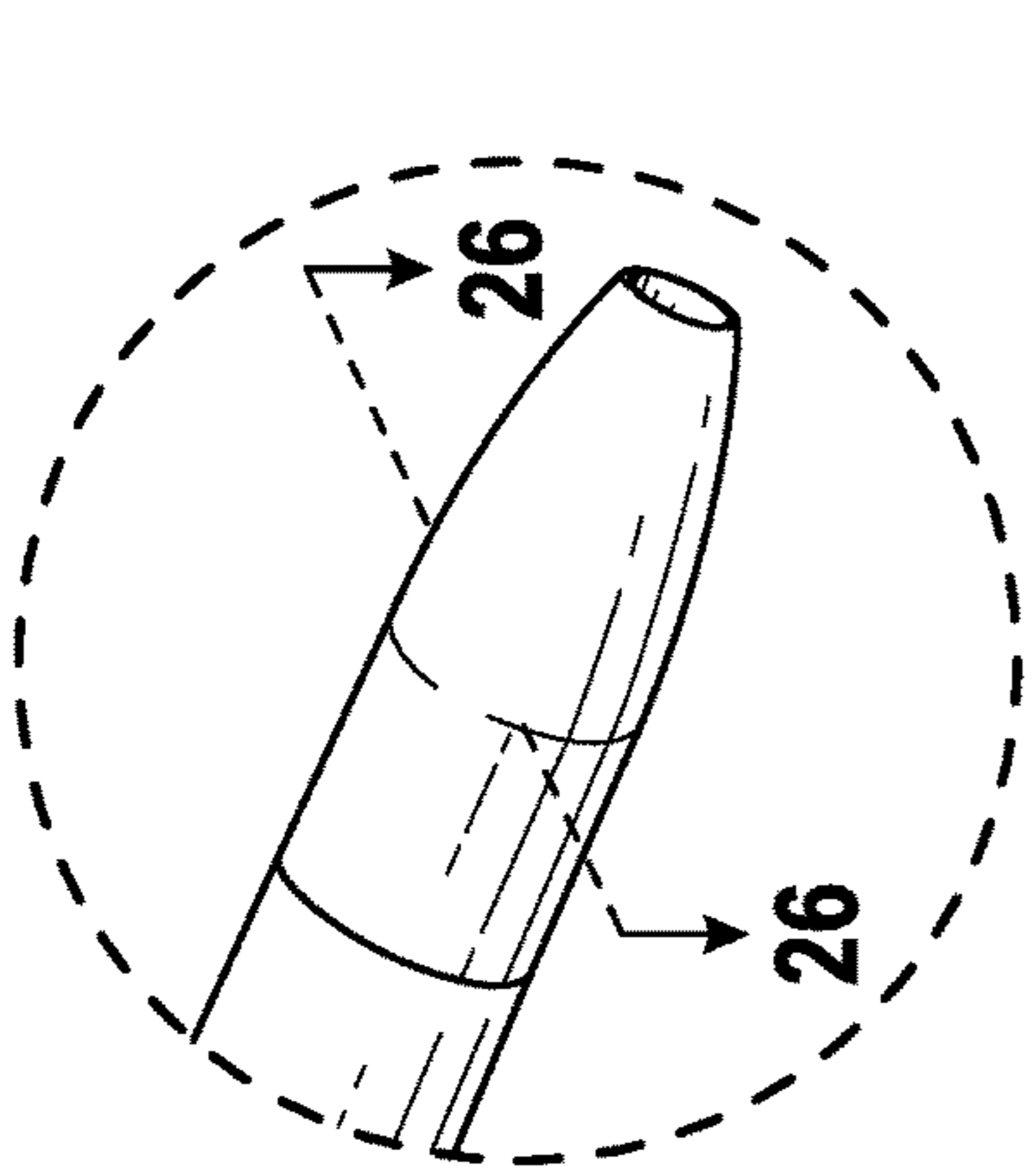


FIG. 19

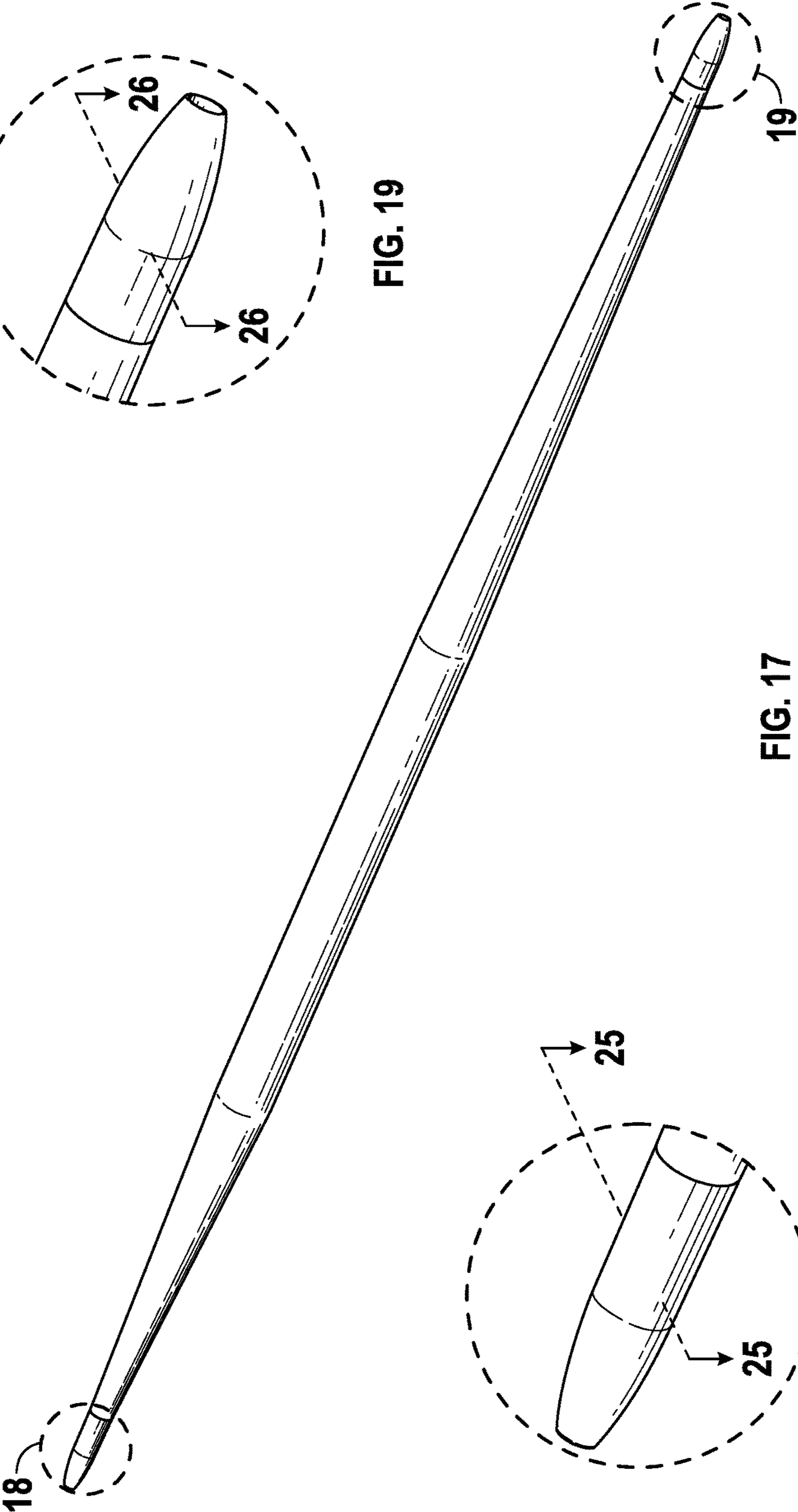


FIG. 17

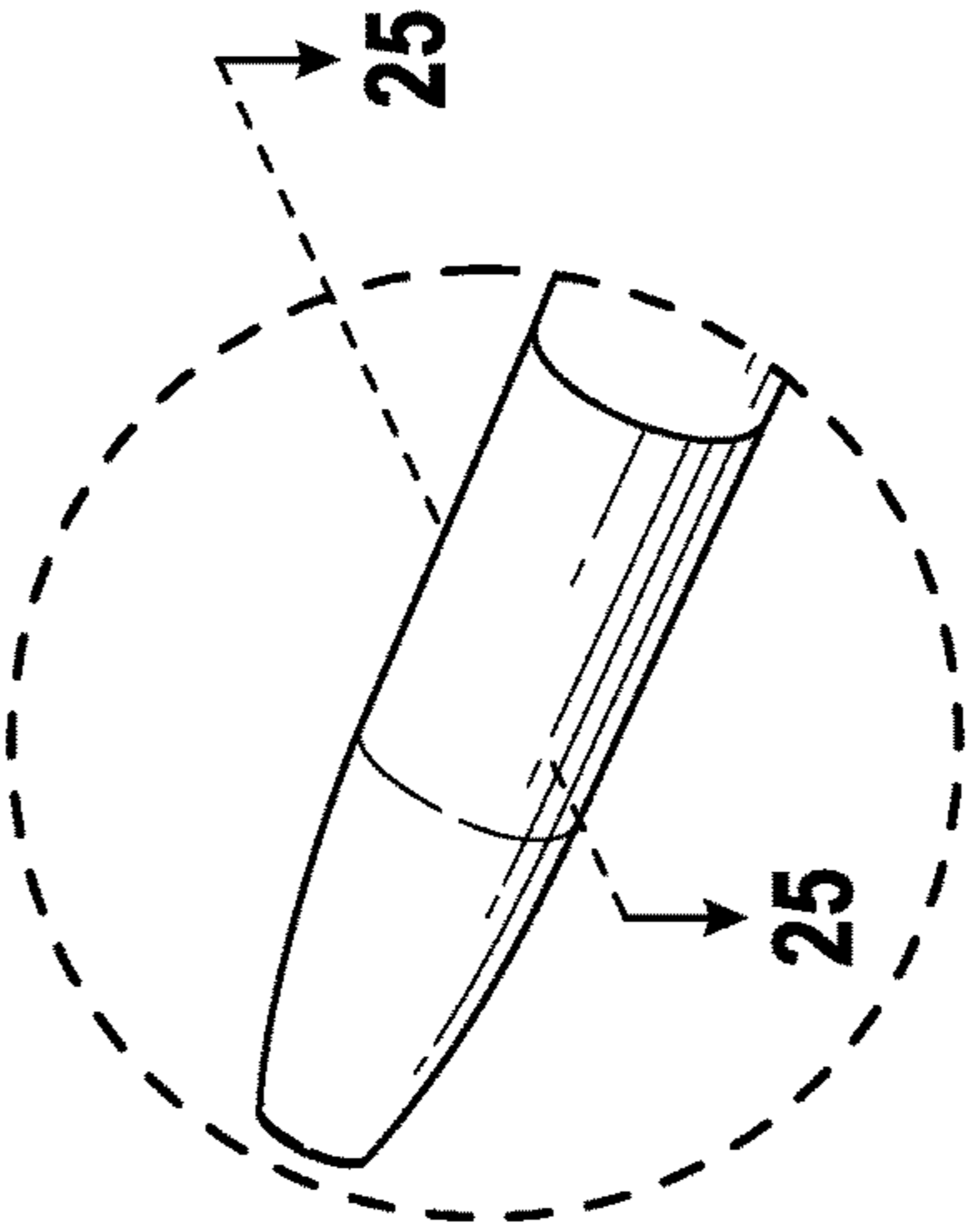


FIG. 18

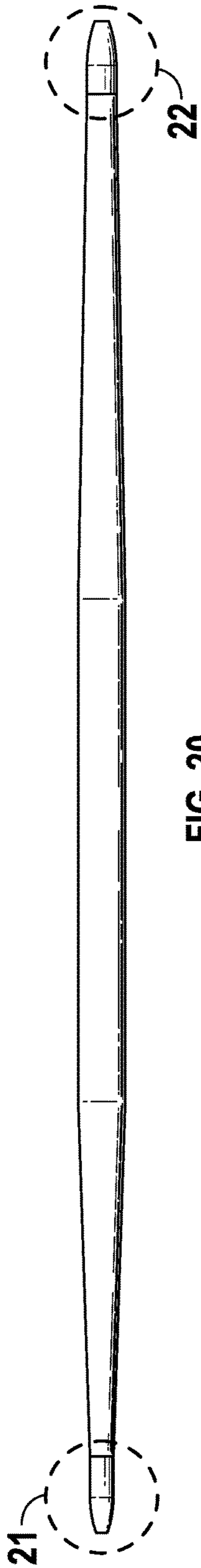


FIG. 20

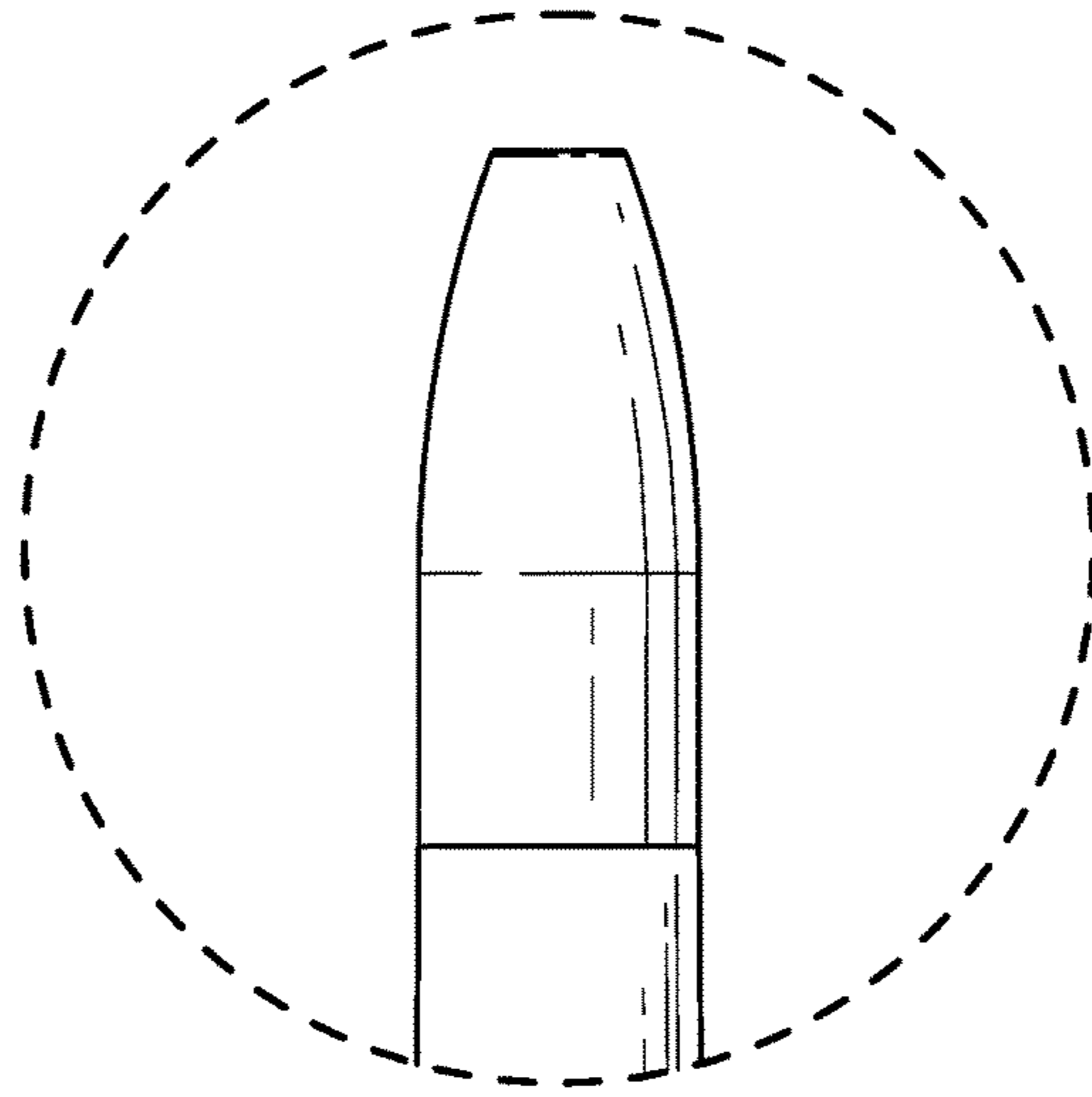


FIG. 22

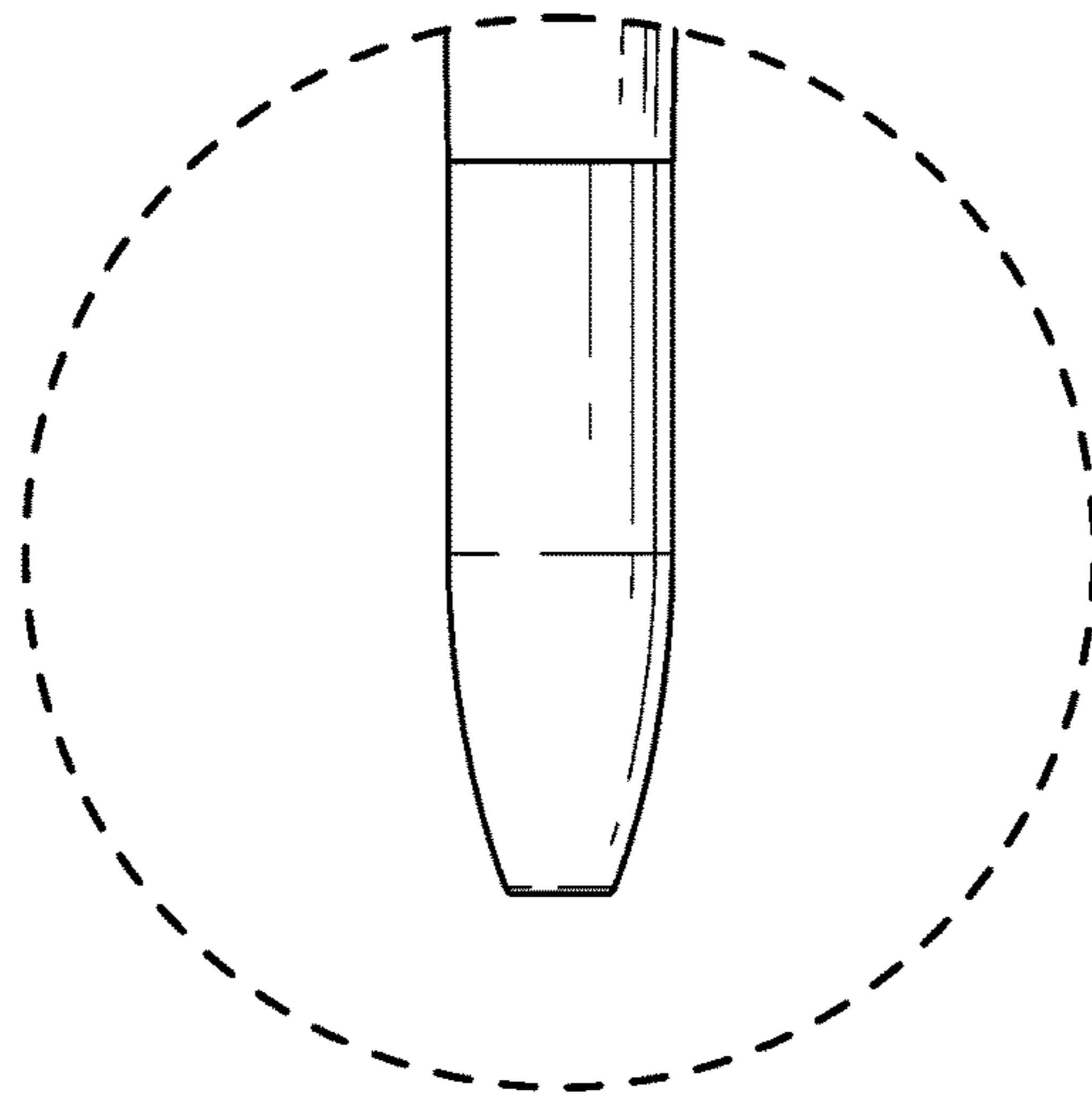


FIG. 21

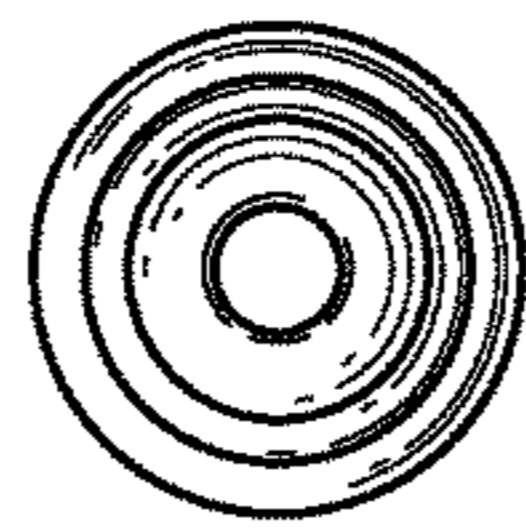


FIG. 23

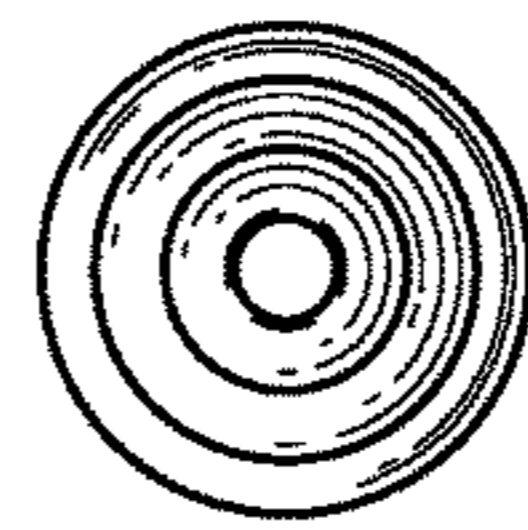


FIG. 24

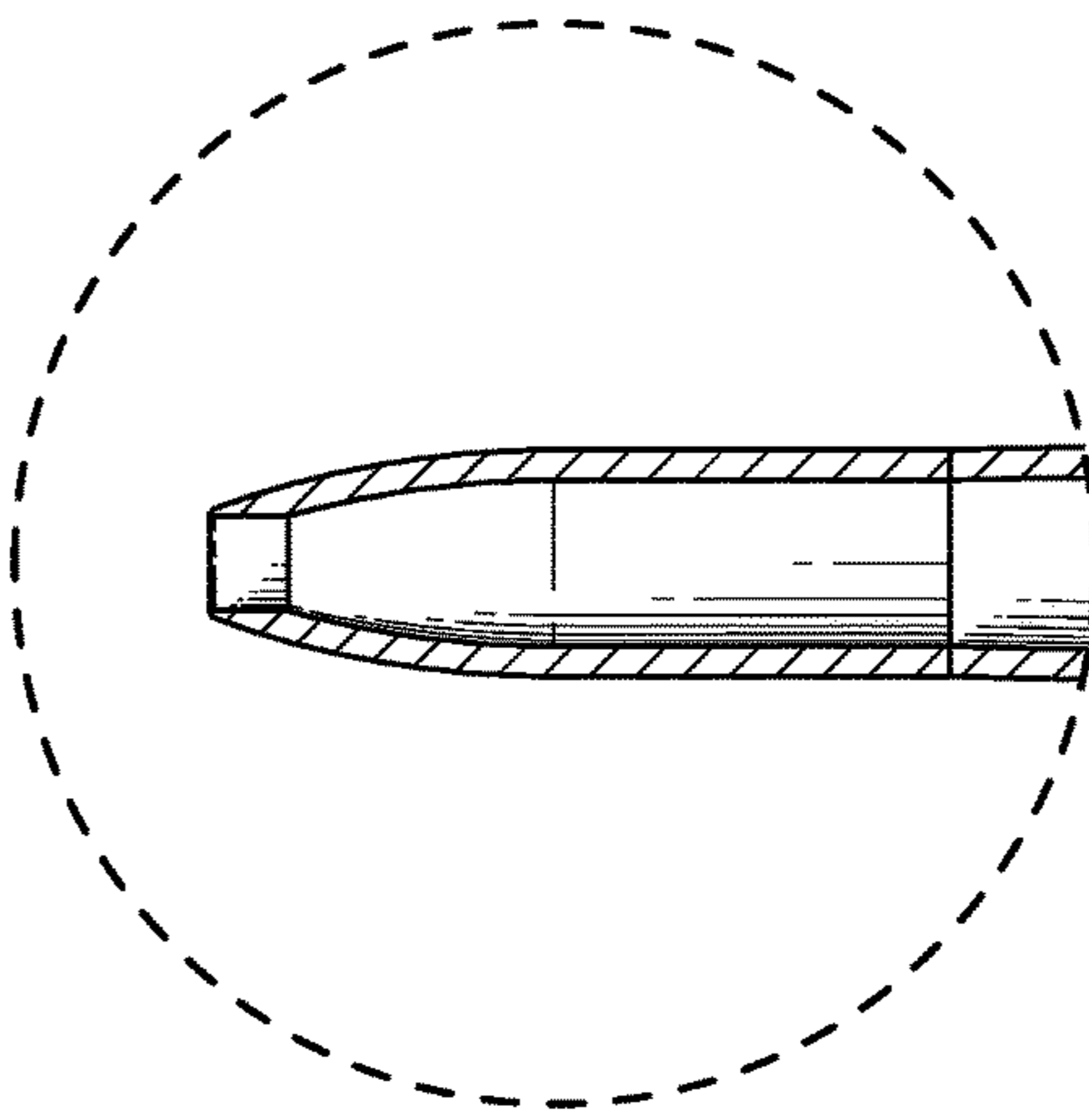


FIG. 25

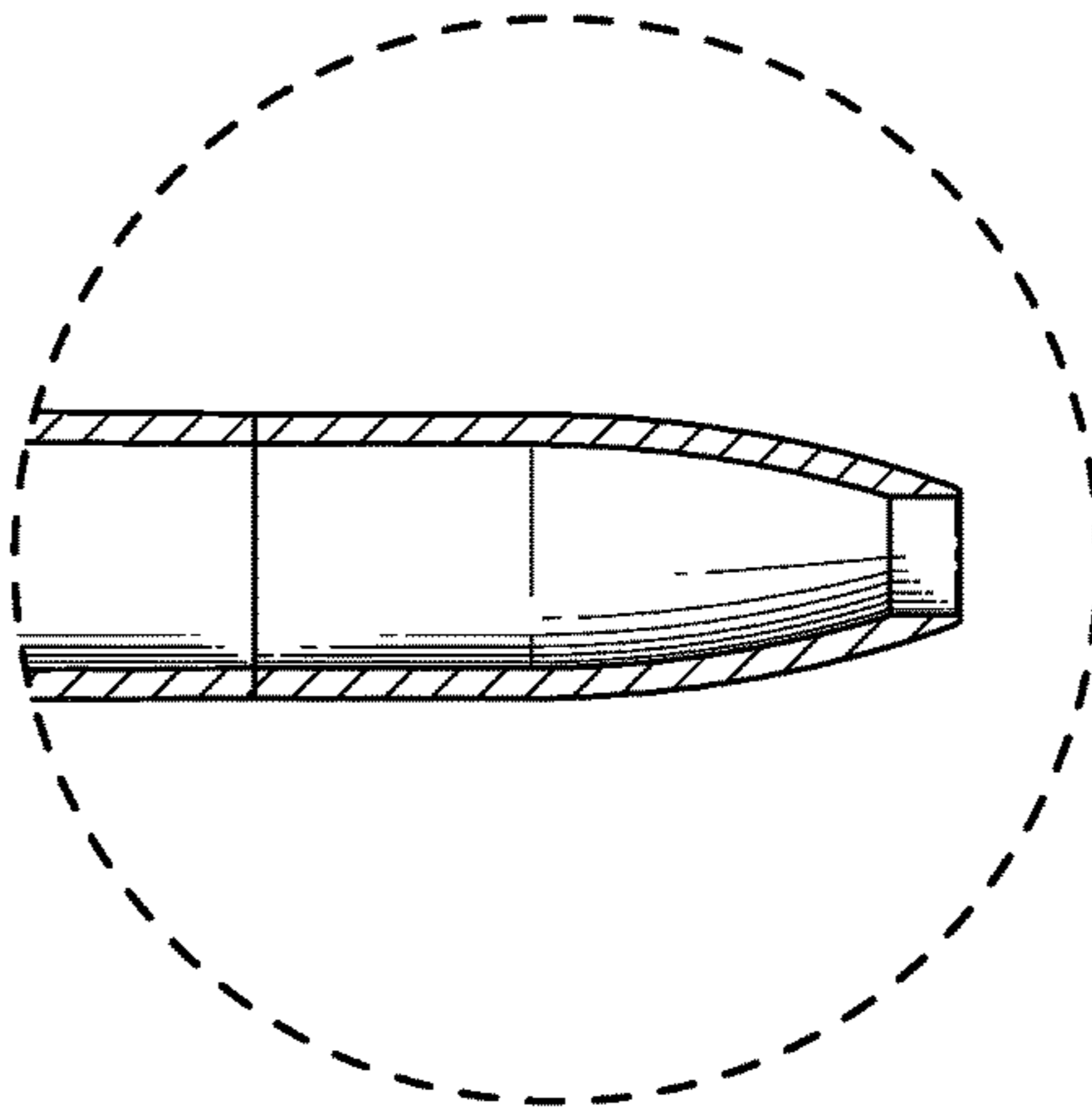


FIG. 26