



US00D846143S

(12) **United States Design Patent**
Ito

(10) **Patent No.:** **US D846,143 S**
(45) **Date of Patent:** **** Apr. 16, 2019**

(54) **COMBINED CELL TRANSFER NOZZLE AND PIPETTE TIP FOR CELL CLUSTERING**

(71) Applicant: **Saburo Ito**, Shizuoka-ken (JP)

(72) Inventor: **Saburo Ito**, Shizuoka-ken (JP)

(73) Assignee: **YAMAHA HATSUDOKI KABUSHIKI KAISHA** (JP)

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

(21) Appl. No.: **29/546,884**

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(30) **Foreign Application Priority Data**

May 28, 2015 (JP) 2015-011785
May 28, 2015 (JP) 2015-011786

(Continued)

(51) **LOC (11) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/222**

(58) **Field of Classification Search**
USPC D24/107, 121, 133, 216, 222-230, 233;
D9/523, 547, 549, 550, 724, 732

(Continued)

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Primary Examiner — Vy N Koenig

(74) *Attorney, Agent, or Firm* — Ostrolenk Faber LLP

(57) **CLAIM**

The ornamental design for a combined cell transfer nozzle and pipette tip for cell clustering, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a combined cell transfer nozzle and pipette tip for cell clustering showing a first embodiment of my new design;

FIG. 2 is a side view thereof, wherein the view from every lateral side thereof is identical;

FIG. 3 is a front end view thereof;

FIG. 4 is a rear end view thereof;

FIG. 5 is a cross-sectional view thereof along line 5-5 in FIG. 2;

FIG. 6 is an enlarged fragmentary side view thereof of fragment 6-6 in FIG. 2, wherein the view from every lateral side thereof is identical;

FIG. 7 is an end view of fragment 6-6 in FIG. 2;

FIG. 8 is a front perspective view of fragment 6-6 in FIG. 2; FIG. 9 is a front perspective view of the first embodiment showing an alternate condition of the first embodiment of my new design;

FIG. 10 is a cross-sectional view thereof along line 10-10 in FIG. 9;

FIG. 11 is an enlarged fragmentary front perspective view of fragment 11-11 in the same alternate configuration as in FIG. 9;

FIG. 12 is a front perspective view of a combined cell transfer nozzle and pipette tip for cell clustering showing a second embodiment of my new design;

FIG. 13 is a side view thereof, wherein the view from every side thereof is identical;

FIG. 14 is a front end view thereof;

FIG. 15 is a rear end view thereof;

FIG. 16 is a cross-sectional view thereof along line 16-16 in FIG. 13;

FIG. 17 is an enlarged fragmentary side view thereof of fragment 17-17 in FIG. 13, wherein the view from every side thereof is identical;

FIG. 18 is an end view of the fragment in FIG. 17;

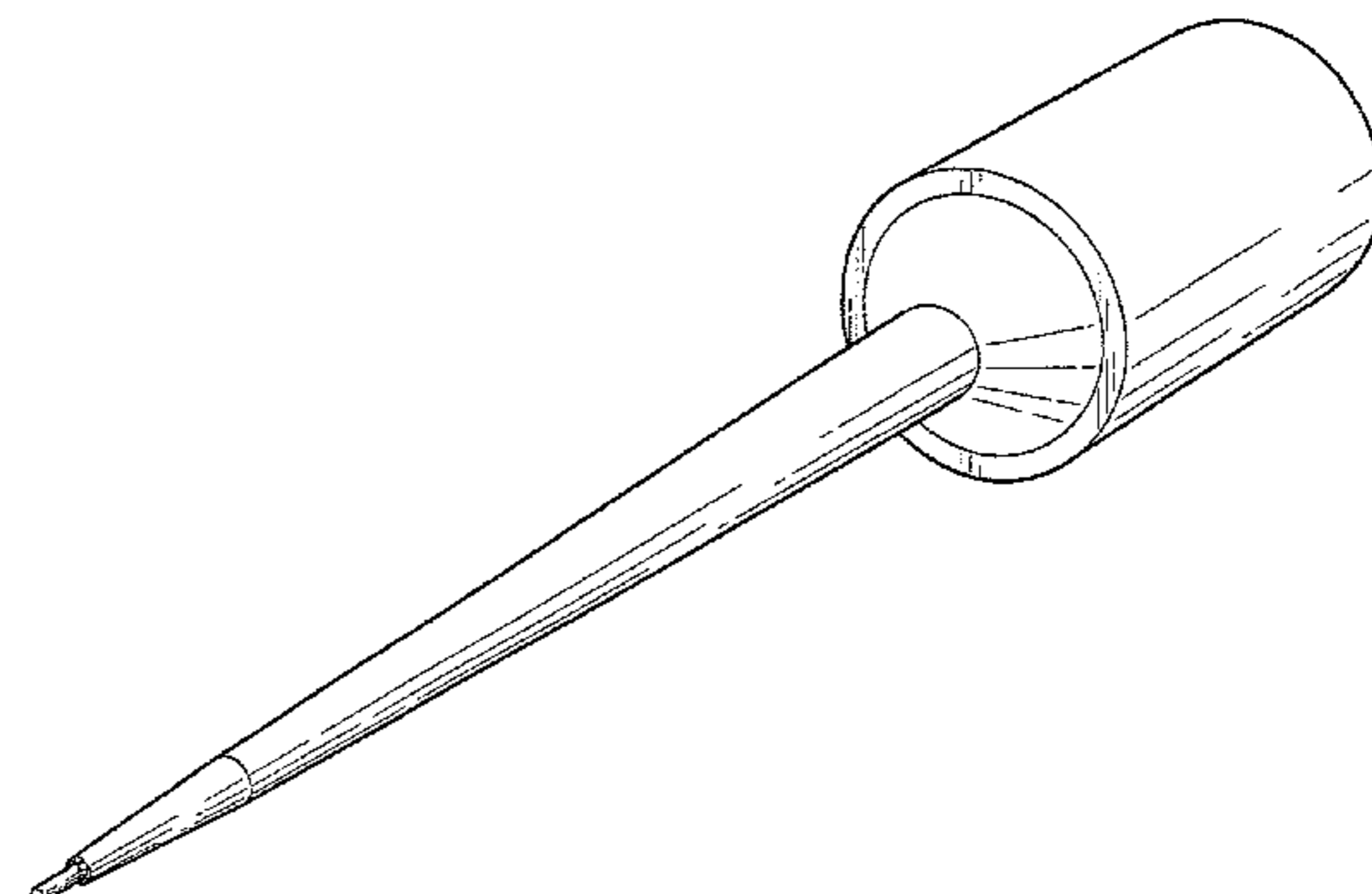
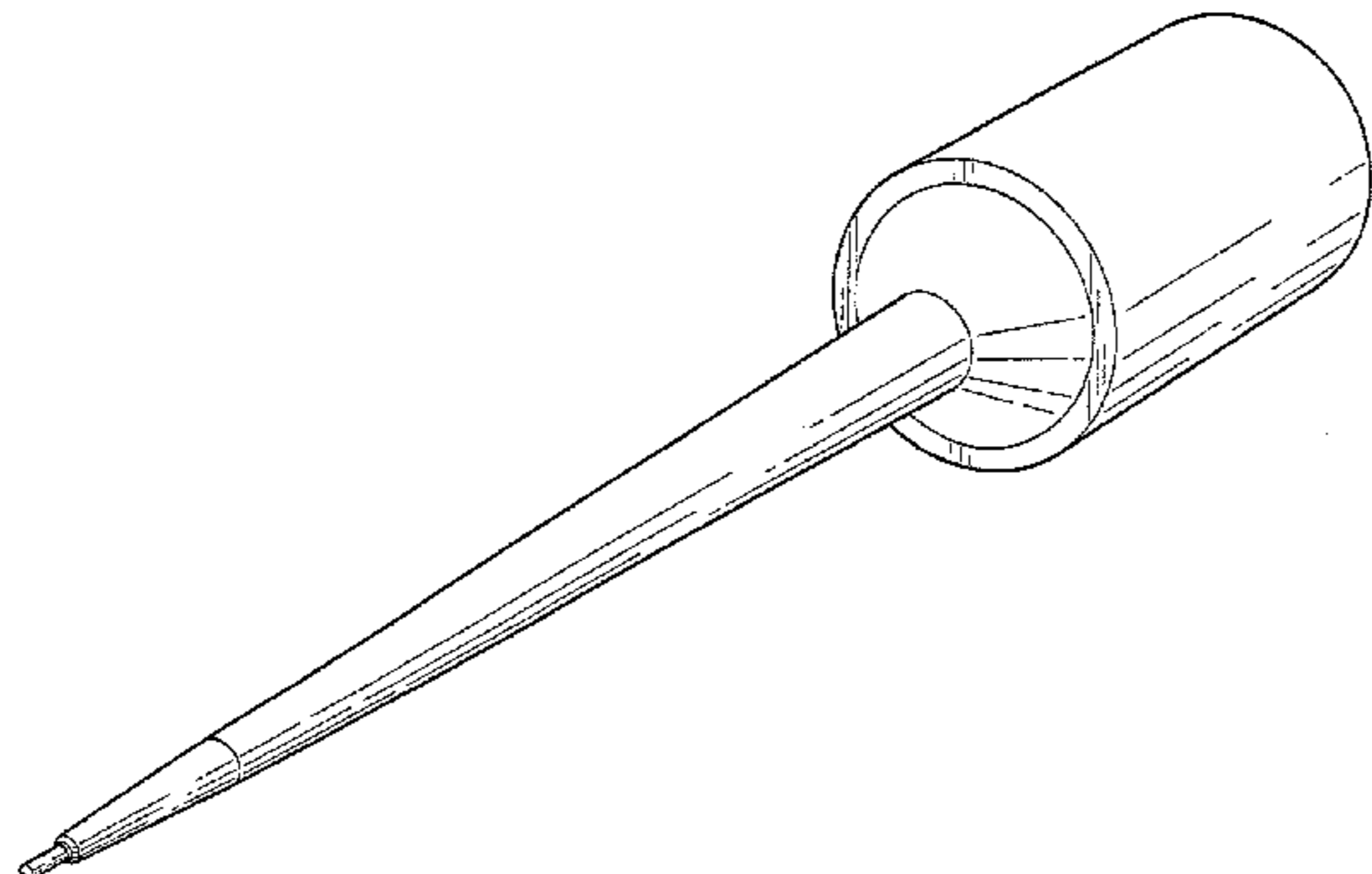
FIG. 19 is a front perspective view of the fragment in FIG. 17;

FIG. 20 is a front perspective view of the second embodiment showing an alternate condition of the second embodiment of my new design;

FIG. 21 is a cross-sectional view thereof along line 21-21 in FIG. 20; and,

FIG. 22 is an enlarged fragmentary front perspective view of fragment 22-22 in the same alternate configuration of the

(Continued)



second embodiment showing an alternate condition of the second embodiment as in FIG. 20 of my new design.

1 Claim, 22 Drawing Sheets

(30) **Foreign Application Priority Data**

May 28, 2015 (JP) 2015-011787
 May 28, 2015 (JP) 2015-011788

(58) **Field of Classification Search**

CPC B01F 13/0025; B01J 2219/00292; B01J
 2220/64; B01L 3/14; B01L 3/021-3/0237;
 B01L 3/508-3/50825; B01L 3/52-3/523;
 G01F 11/02

See application file for complete search history.

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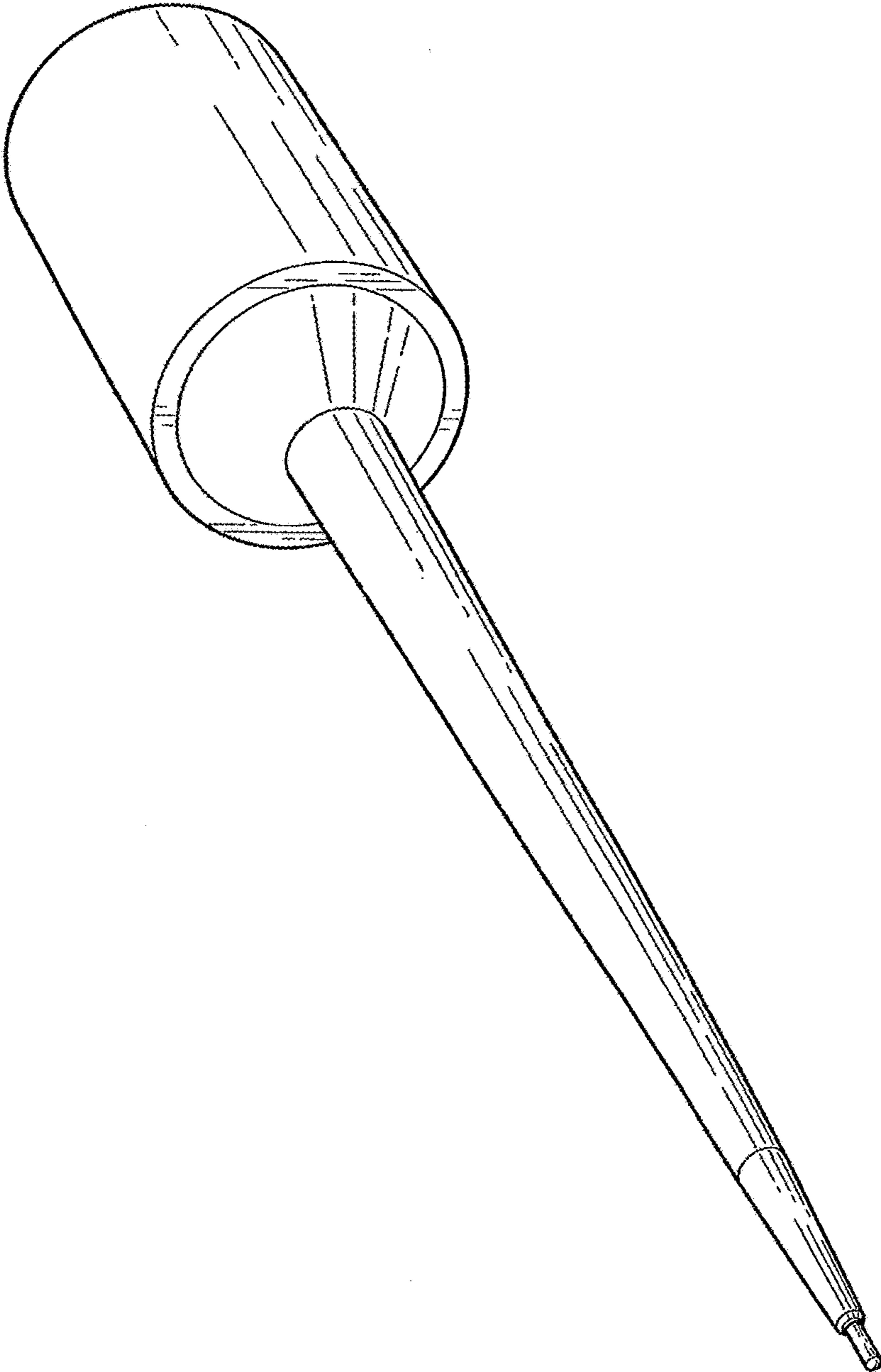


FIG. 1

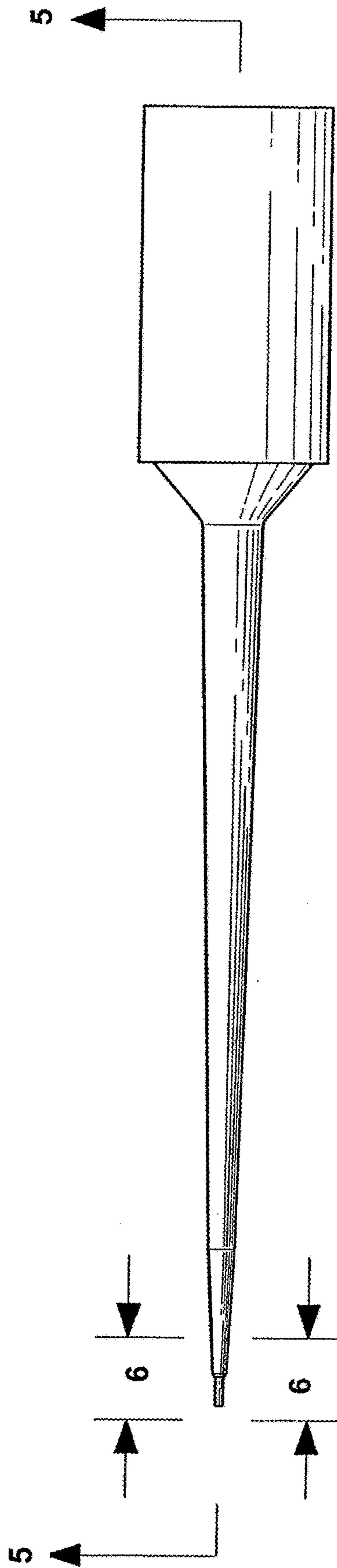


FIG. 2

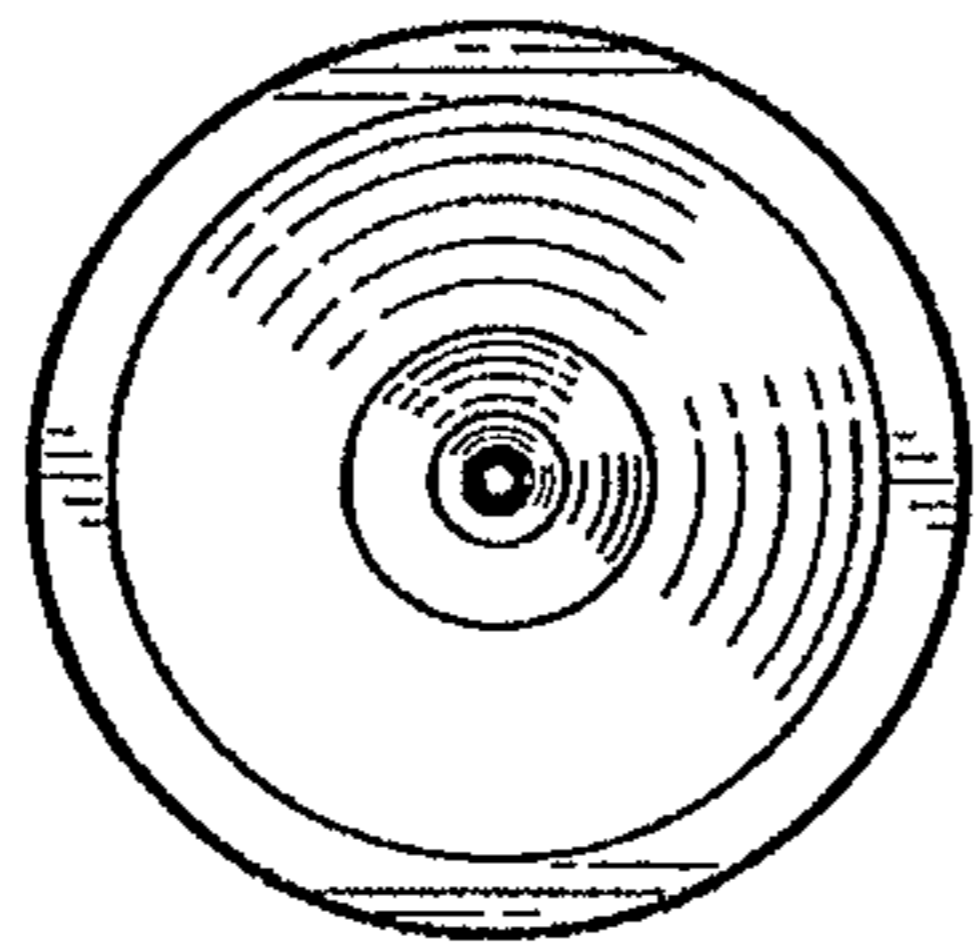


FIG. 3

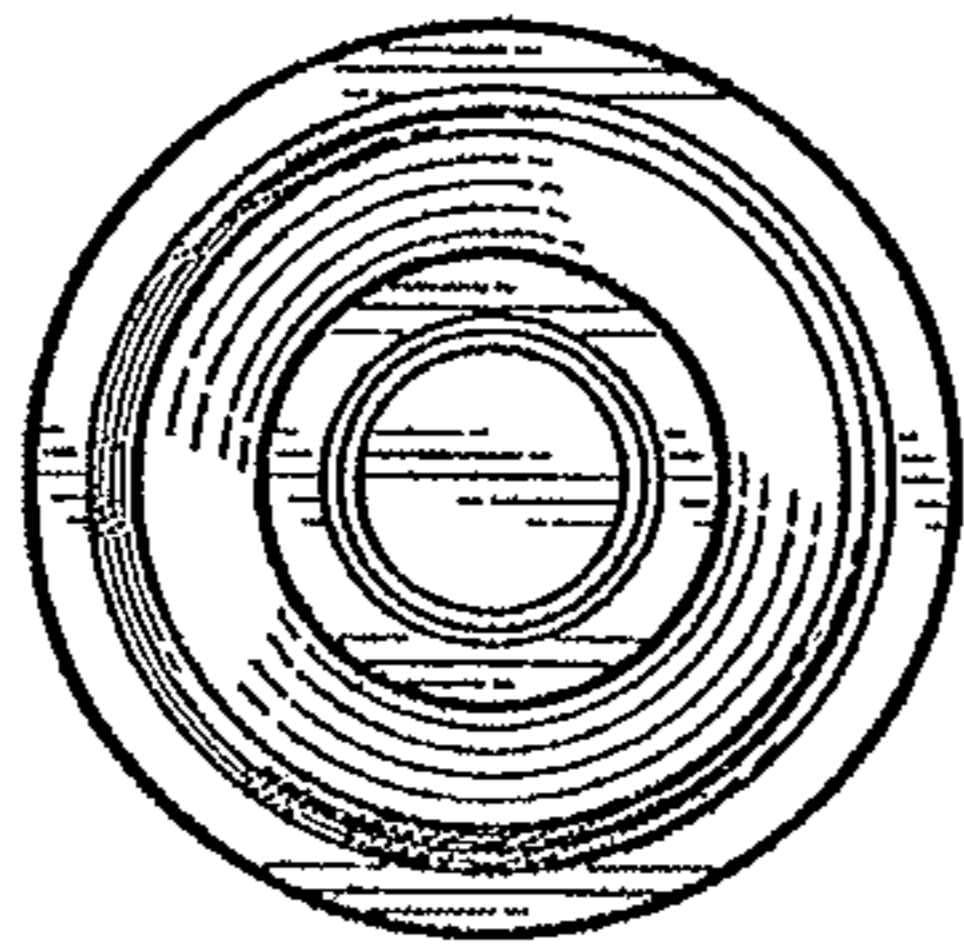


FIG. 4

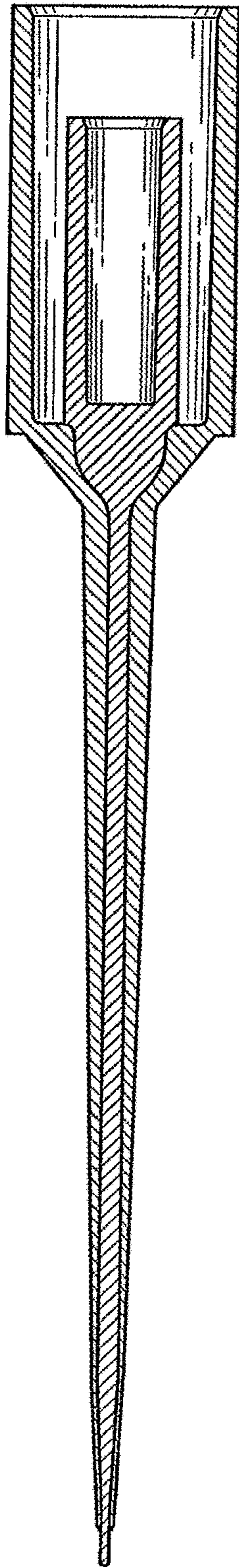


FIG. 5

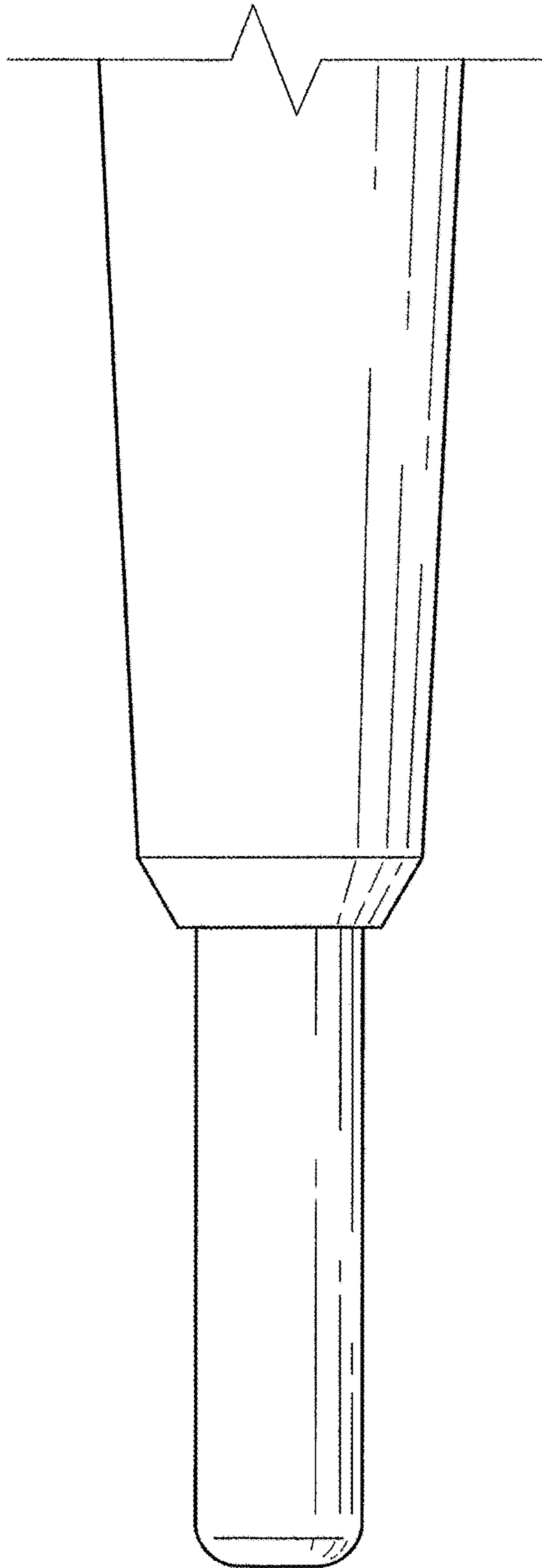


FIG. 6

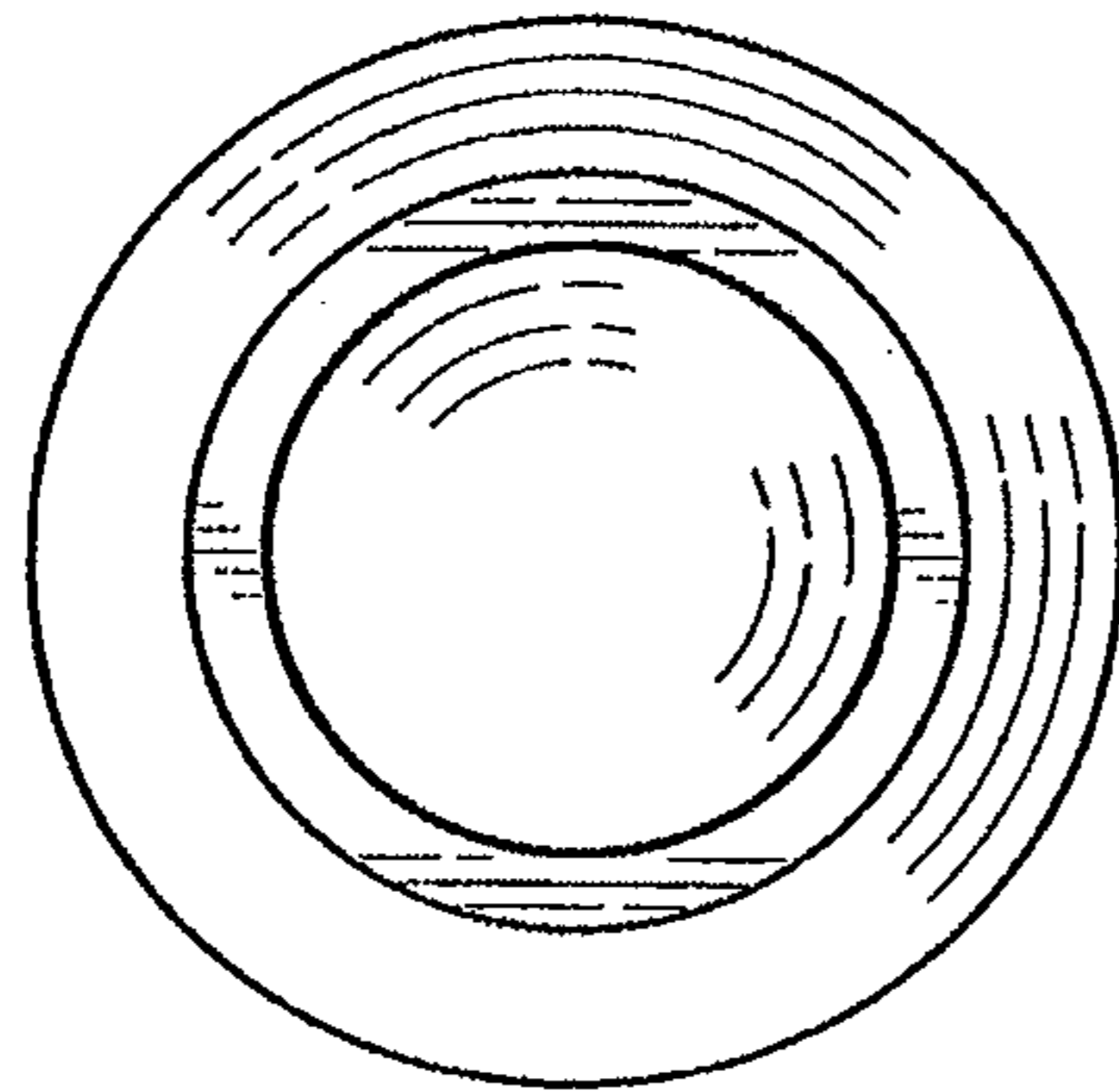


FIG. 7

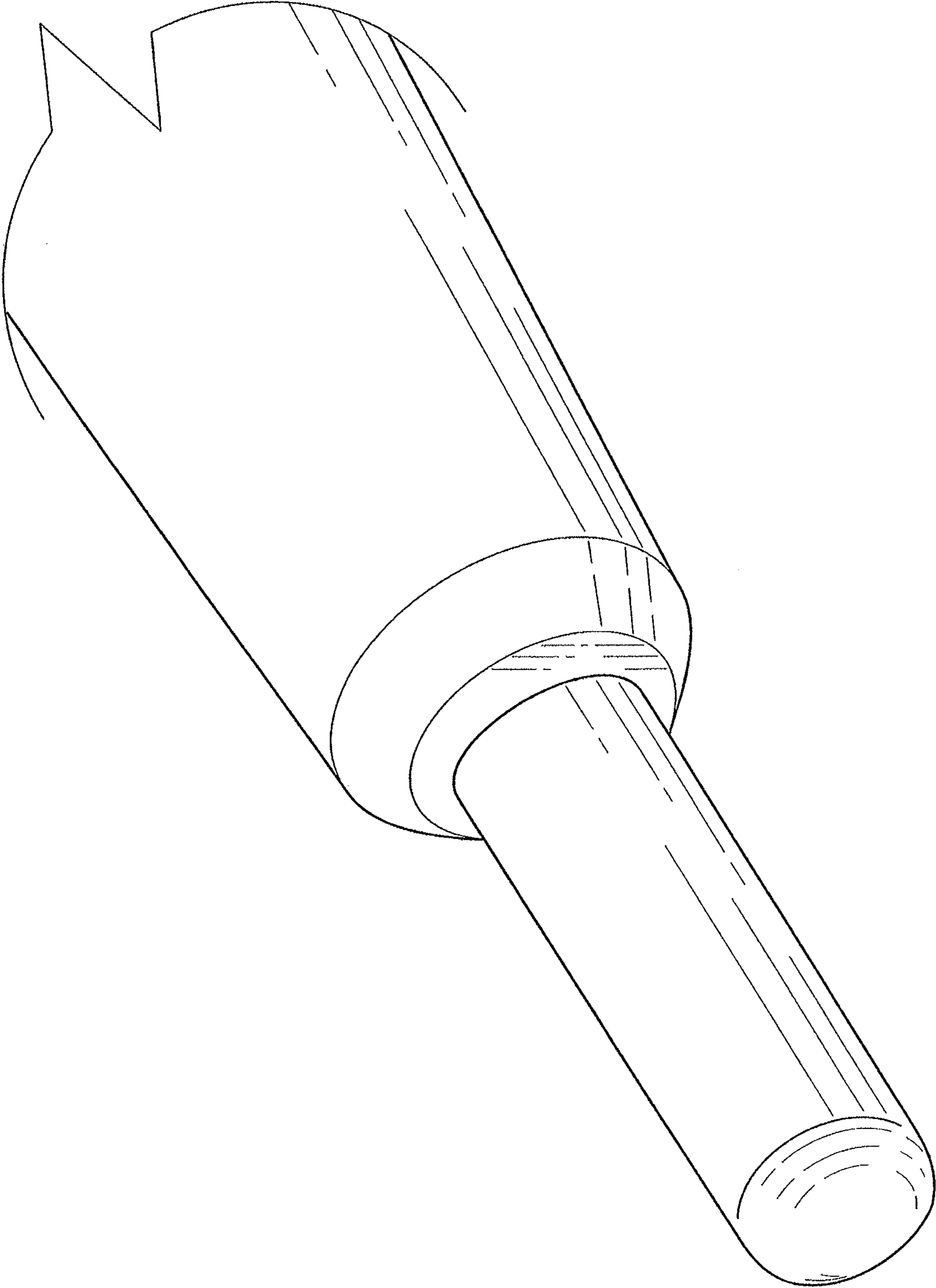


FIG. 8

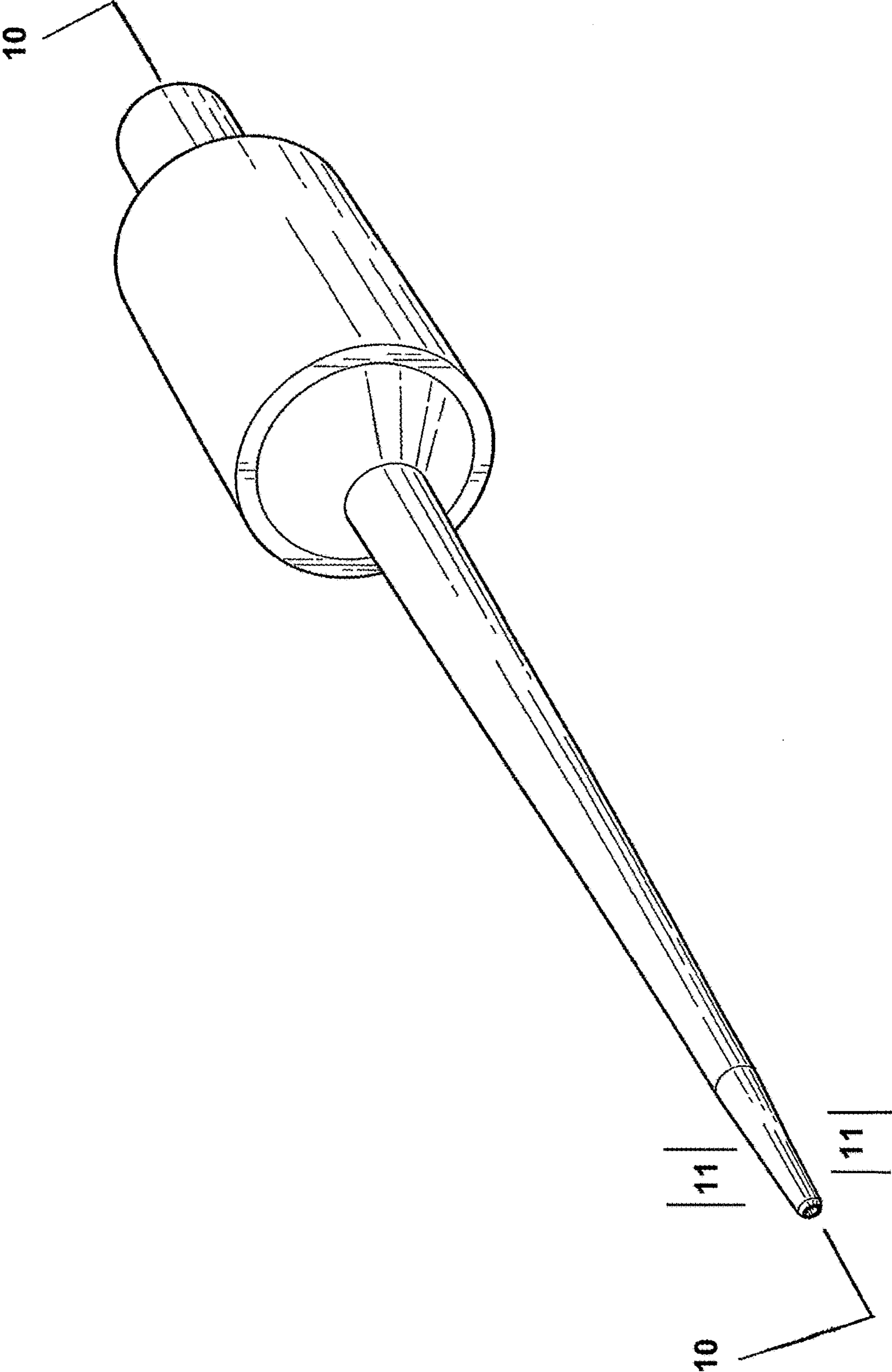


FIG. 9

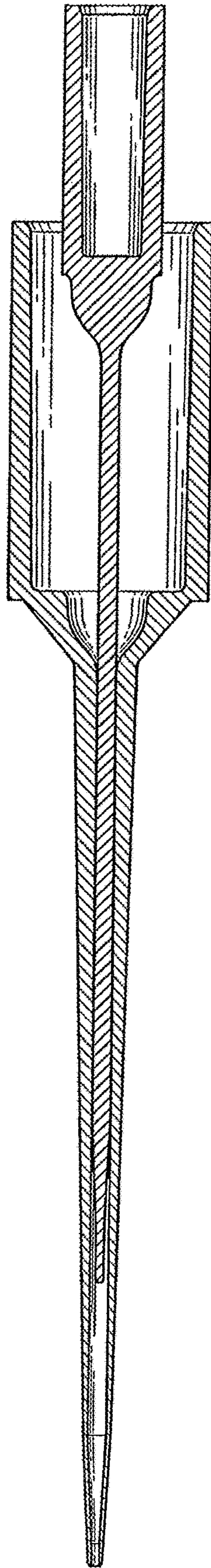


FIG. 10

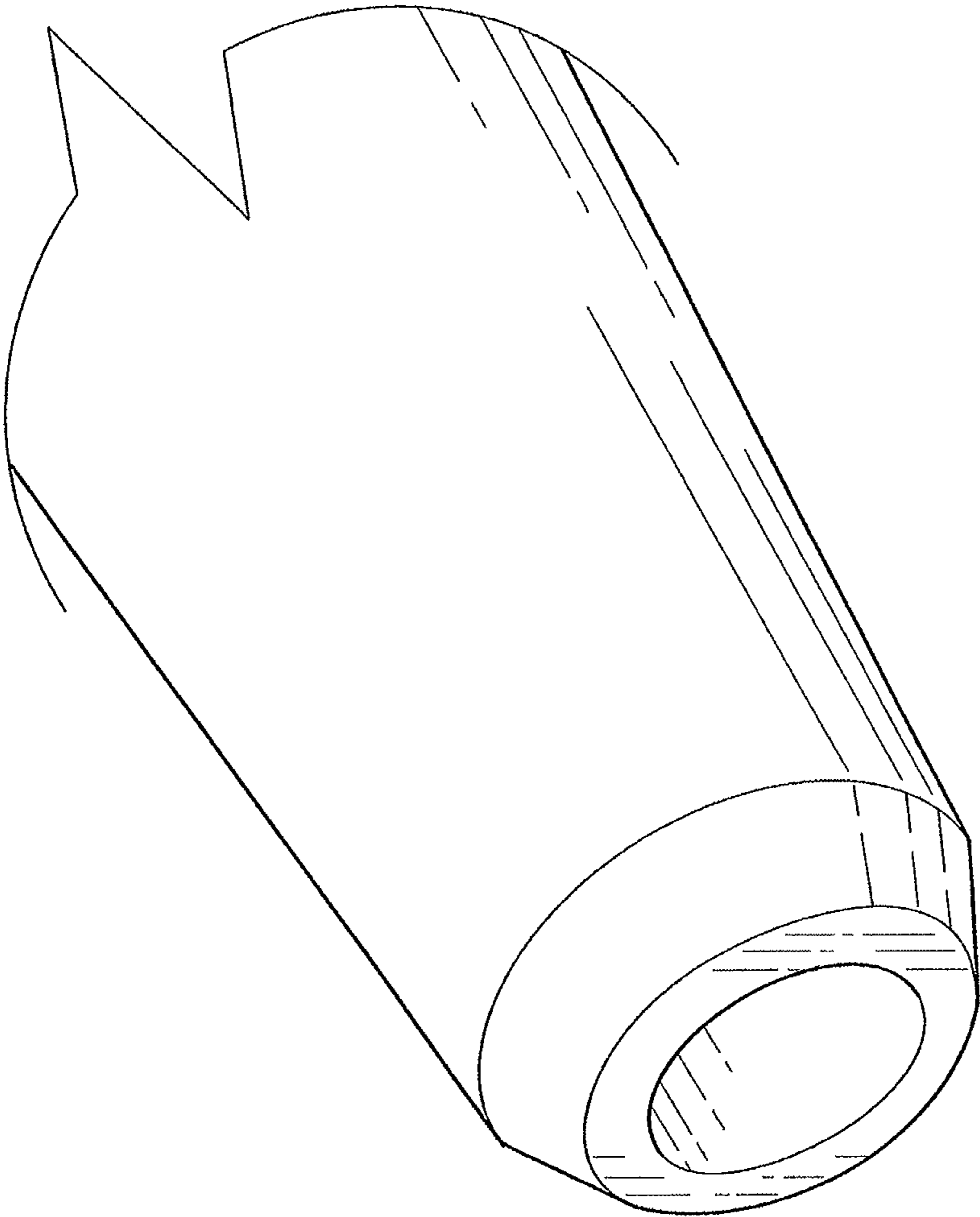


Fig.11

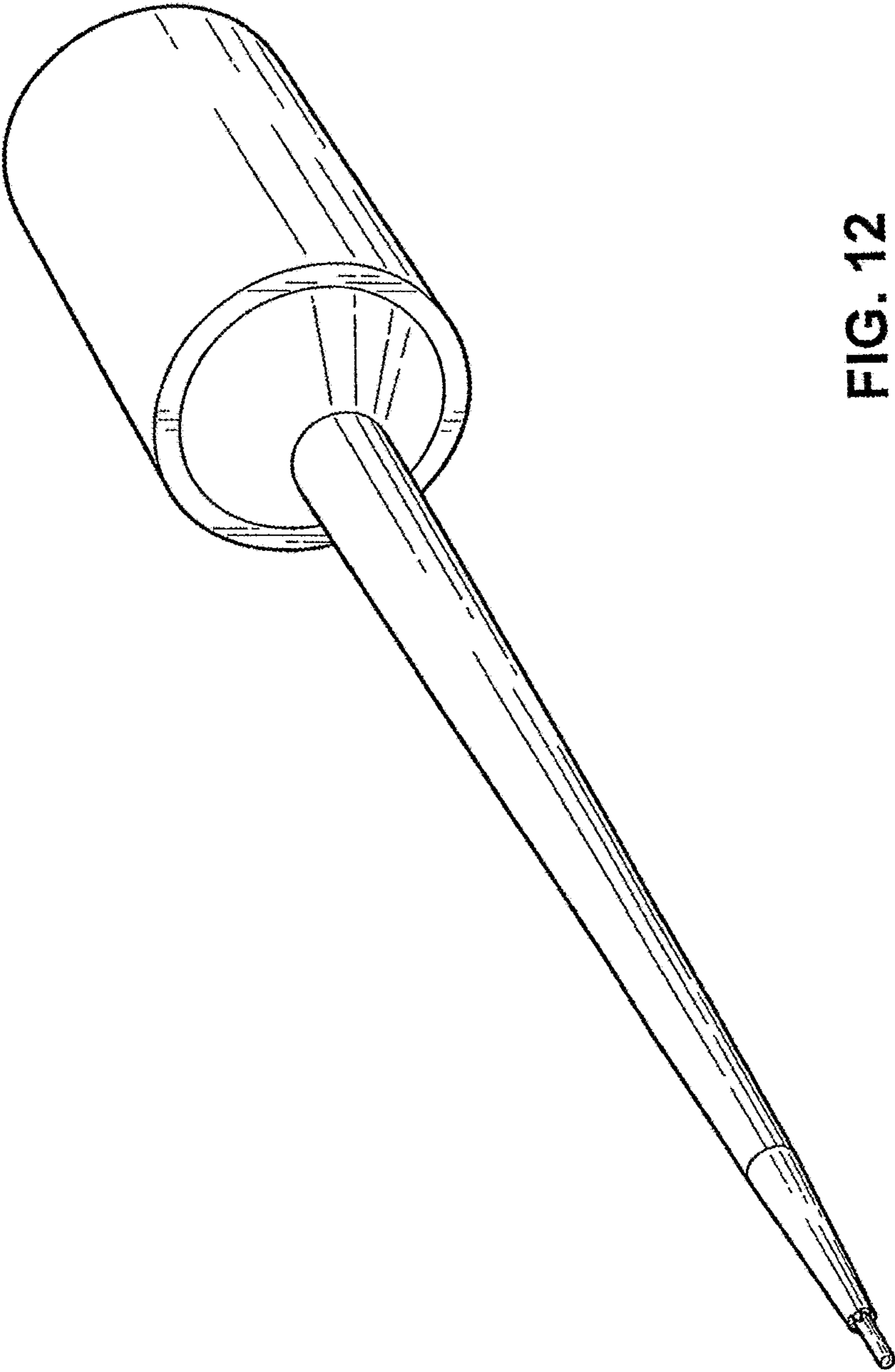


FIG. 12

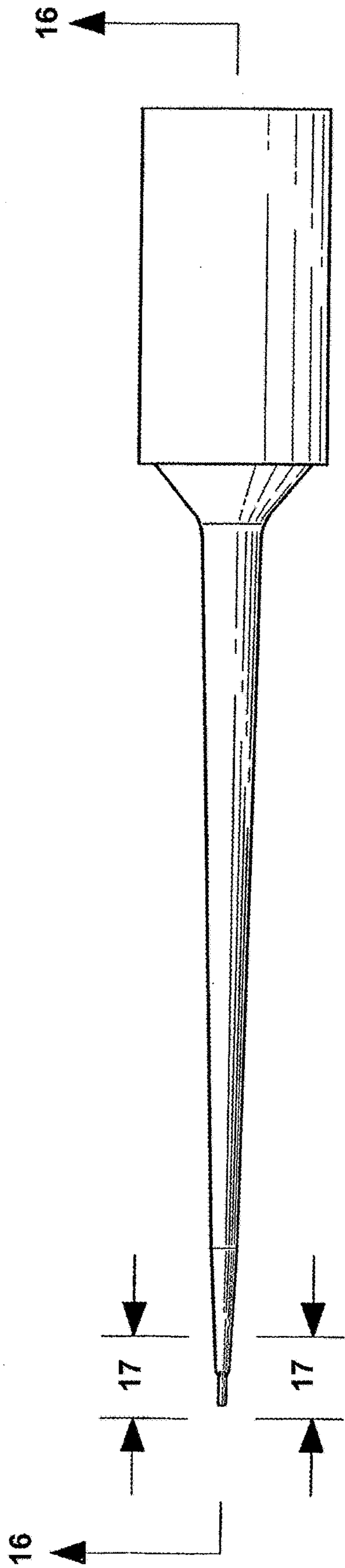


FIG. 13

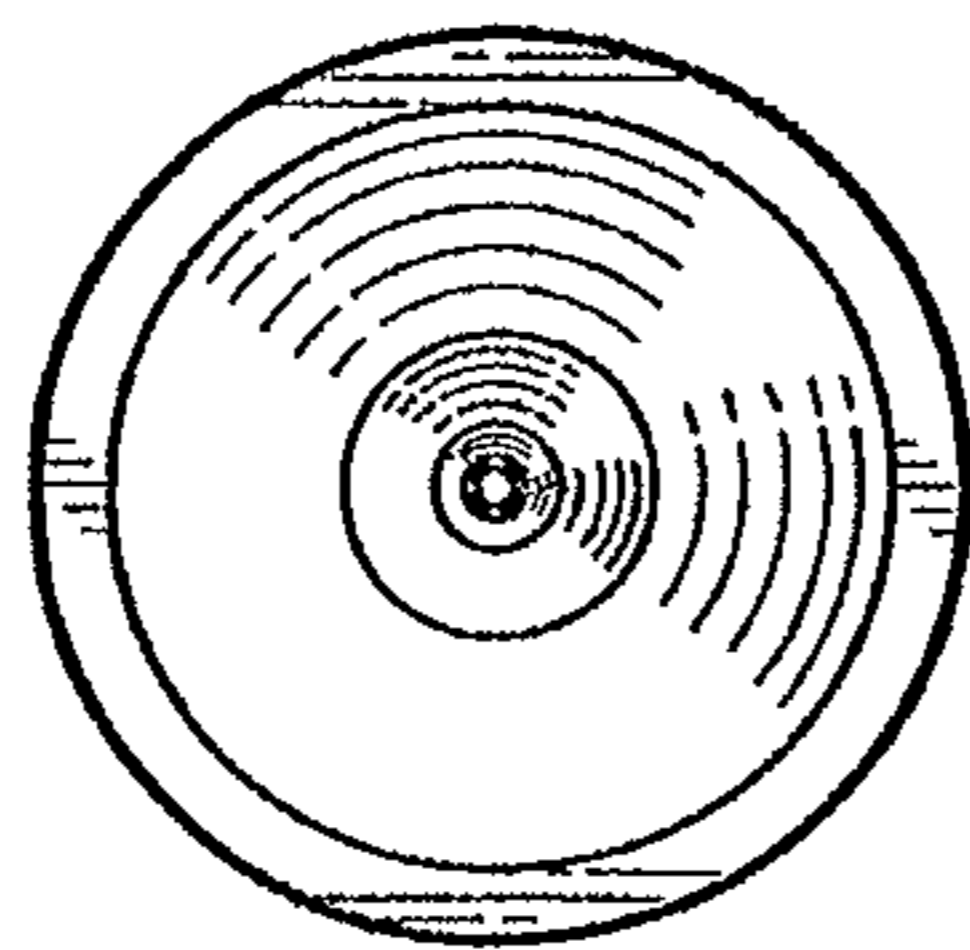


FIG. 14

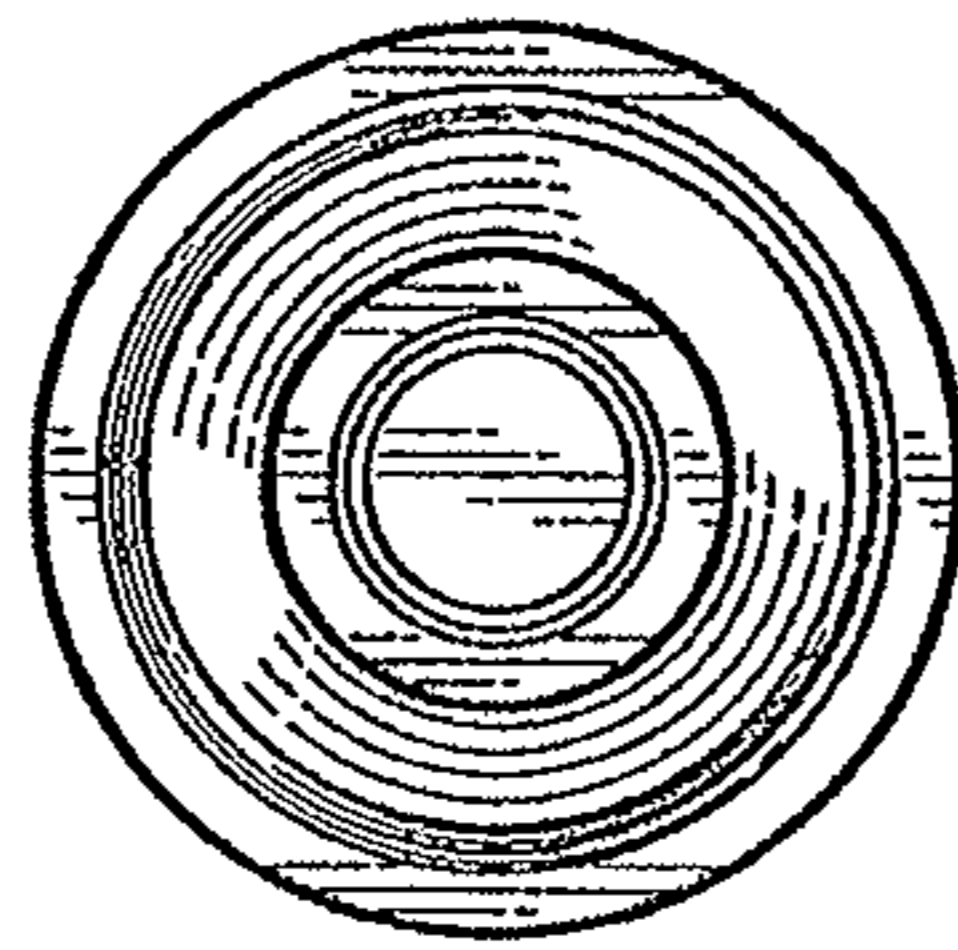


FIG. 15

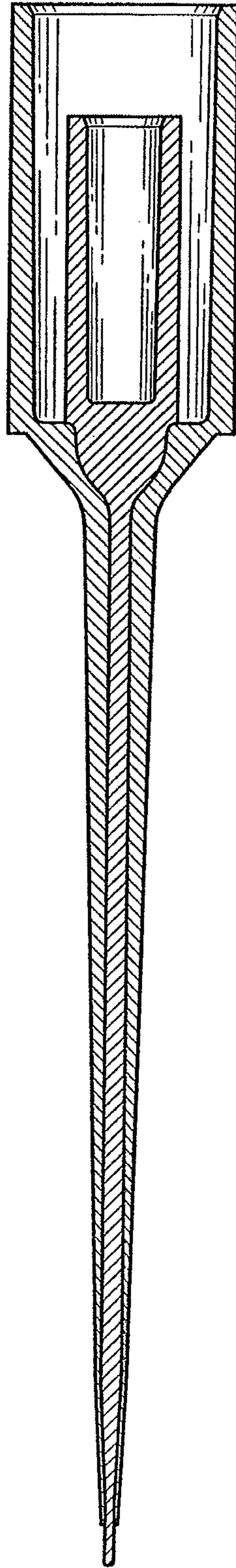


FIG. 16

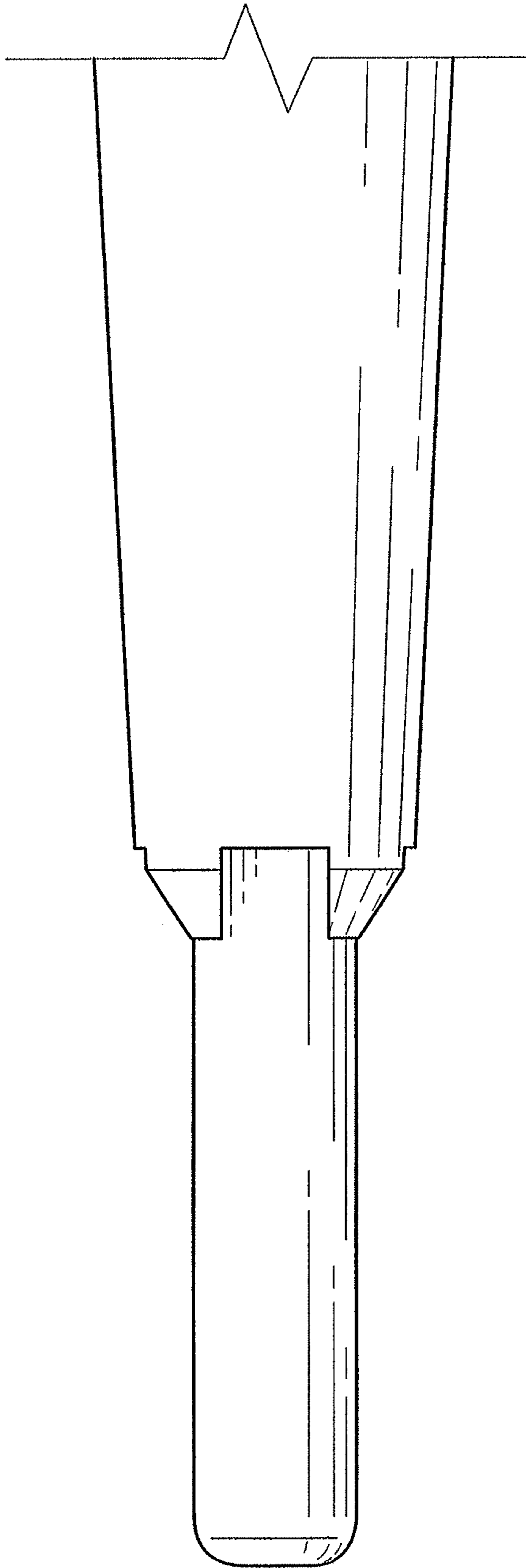


FIG. 17

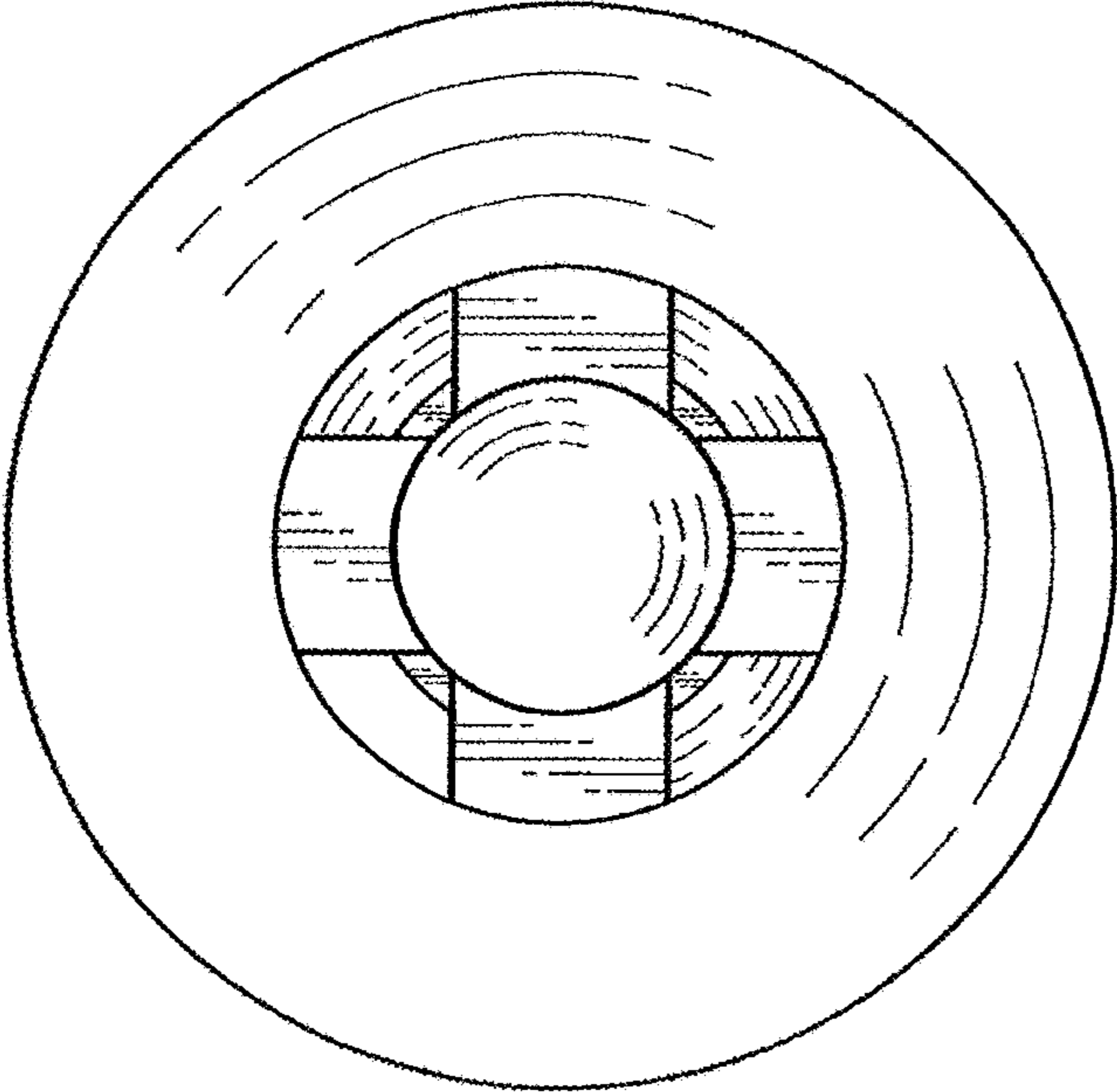


FIG. 18

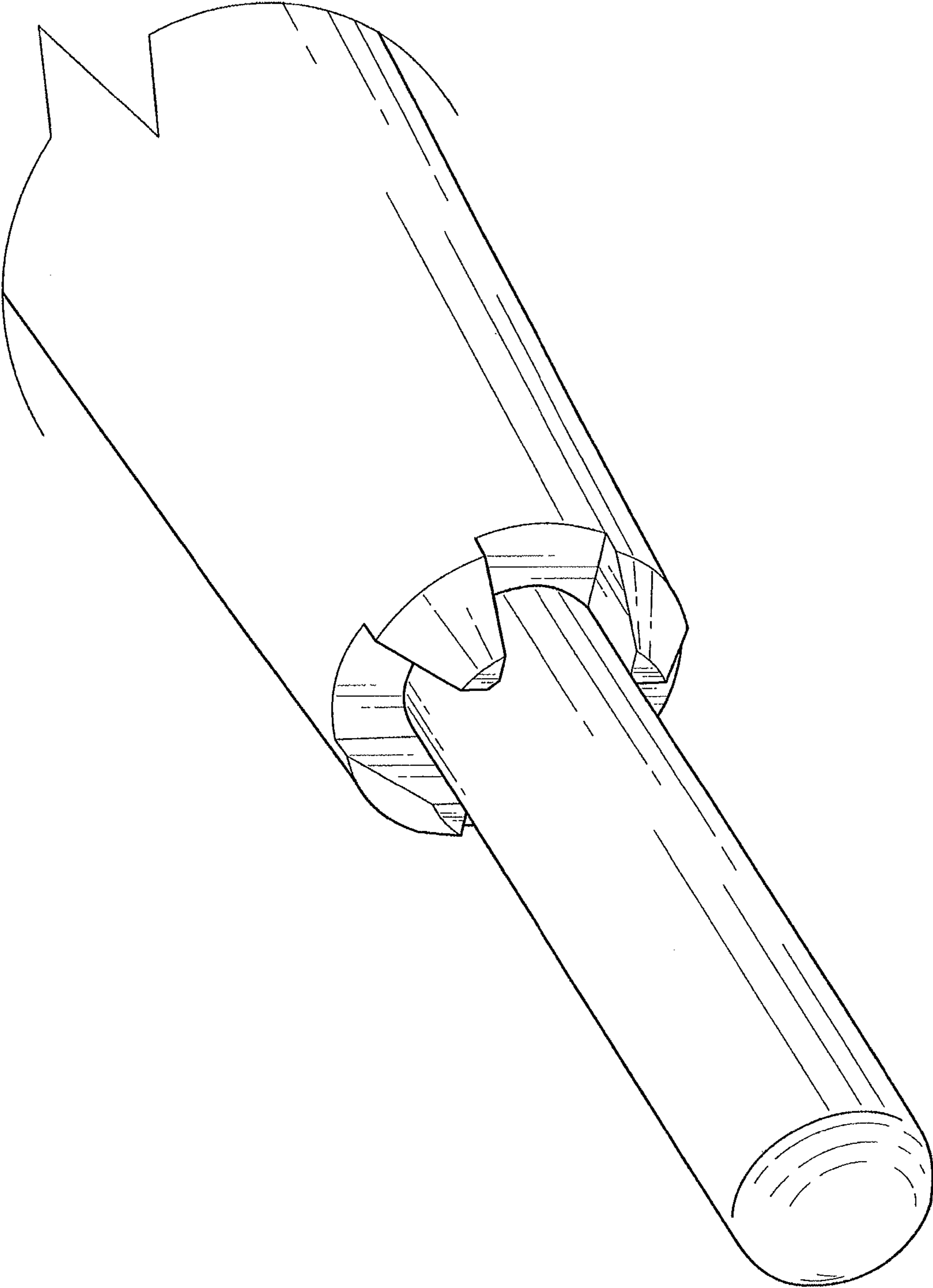


FIG. 19

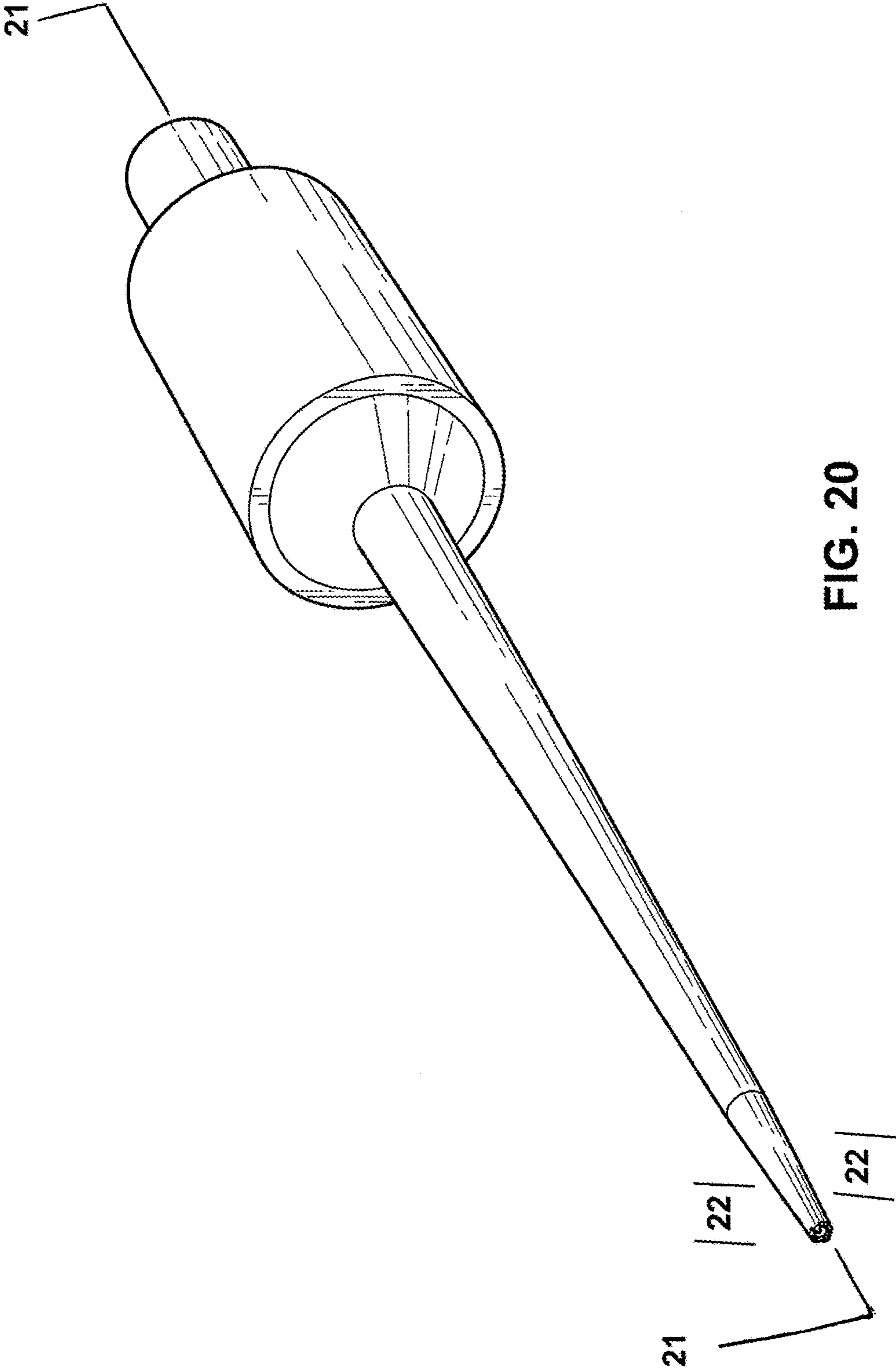


FIG. 20

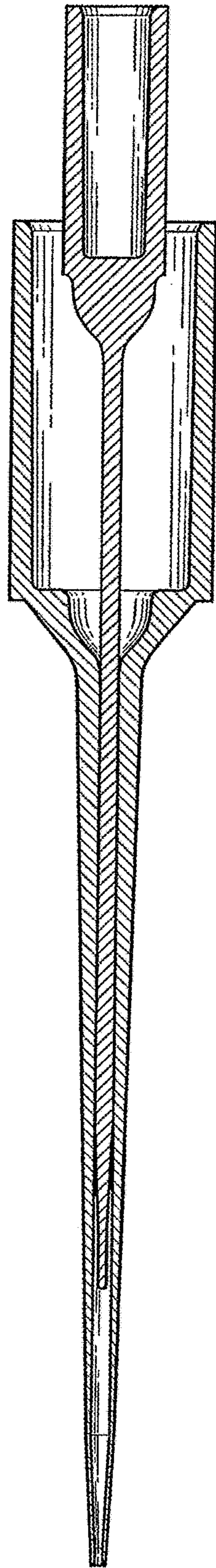


FIG. 21

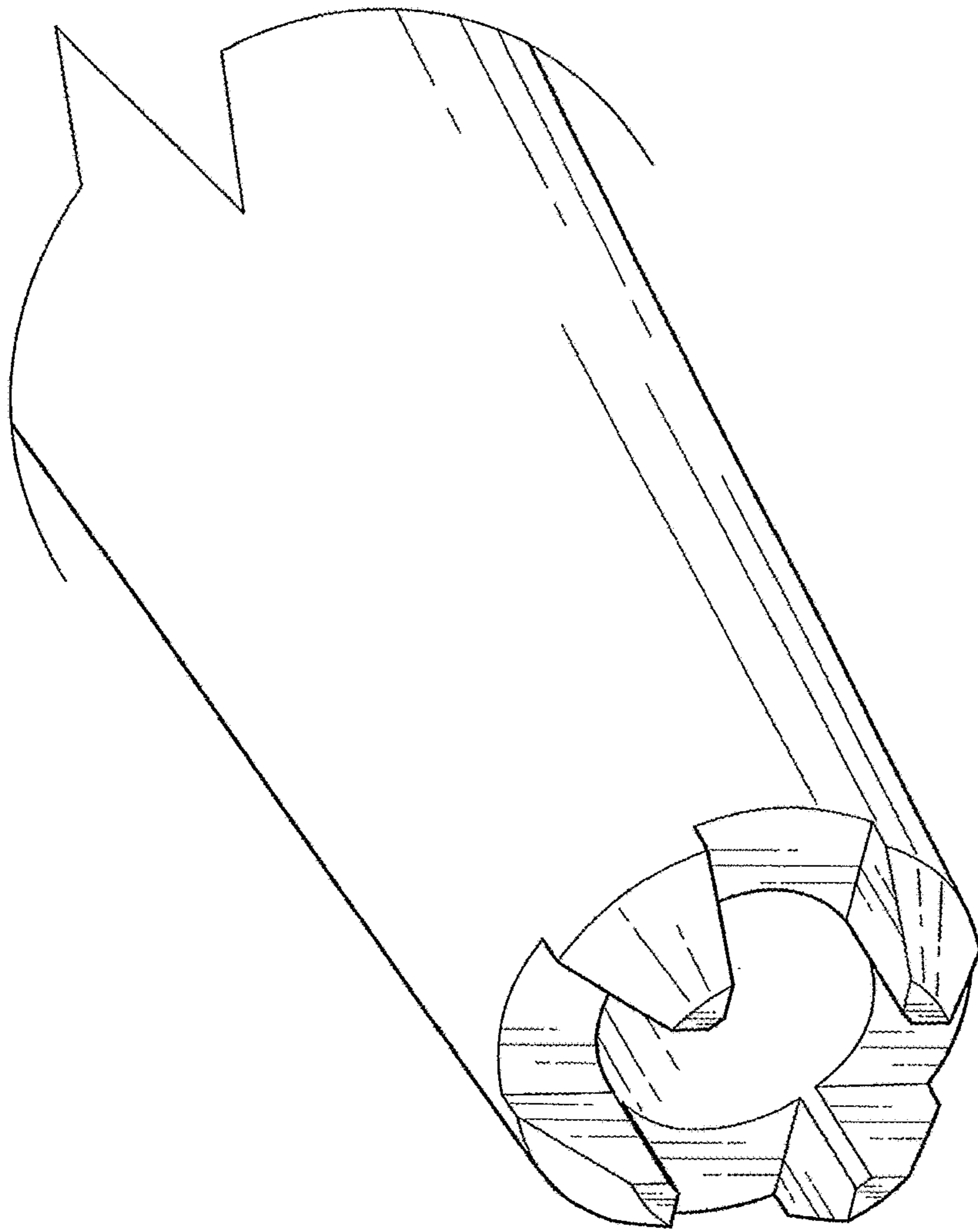


Fig.22