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

(10) **Patent No.:** **US D749,731 S**

(45) **Date of Patent:** **** Feb. 16, 2016**

(54) **SPLIT BIOPSY NEEDLE**

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(**) Term: **14 Years**

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(22) Filed: **Oct. 10, 2014**

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

(52) **U.S. Cl.**
USPC **D24/146**

(58) **Field of Classification Search**

USPC D7/649; D8/93, 97, 300, 310, 311, 313;
D19/110, 115; D24/127, 130, 133,
D24/146, 147, 148

CPC B26B 3/00; B26B 1/10; B26B 5/005;
A61B 17/809; A61B 17/1617; A61B 17/3211;
A61B 5/1411; A61B 17/3417

See application file for complete search history.

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(57) **CLAIM**

I claim the ornamental design for a split biopsy needle, as shown and described.

DESCRIPTION

FIG. 1—Top, front, right side perspective view of a split biopsy needle shown in a retracted position of use;

FIG. 2—Front elevation view of FIG. 1, shown at an enlarged scale.

FIG. 3—Rear elevation view of FIG. 1, shown at an enlarged scale.

FIG. 4—Top plan view of FIG. 1, the bottom plan view being identical.

FIG. 5—Right side elevation view of FIG. 1, the left side elevation view being a mirror image.

FIG. 6—Cross-sectional view, taken along line 6-6 of FIG. 4.

FIG. 7—Top, front, right side perspective view of a split biopsy needle shown in an alternate extended position of use;

FIG. 8—Top, front, right side perspective view of the stylus, shown removed from the split biopsy needle for clarity of disclosure.

FIG. 9—Front elevation view of FIG. 8, shown at an enlarged scale.

FIG. 10—Rear elevation view of FIG. 8, shown at an enlarged scale.

FIG. 11—Top plan view of FIG. 8, the bottom plan view being identical.

FIG. 12 is a right side elevation view of FIG. 8, the left side elevation view being a mirror image.

FIG. 13 is a right side elevation view, the left side elevation view being a mirror image of the first alternate length embodiment.

FIG. 14 is a right side elevation view, the left side elevation view being a mirror image of the second alternate length embodiment.

FIG. 15 is a cross-sectional view, taken along line 15-15 of FIG. 11.

FIG. 16 is a cross-sectional view, taken along line 16-16 of FIG. 12, shown at an enlarged scale.

FIG. 17 is a cross-sectional view, taken along line 17-17 of FIG. 12, shown at an enlarged scale.

FIG. 18 is a cross-sectional view, of an alternate embodiment, shown at an enlarged scale.

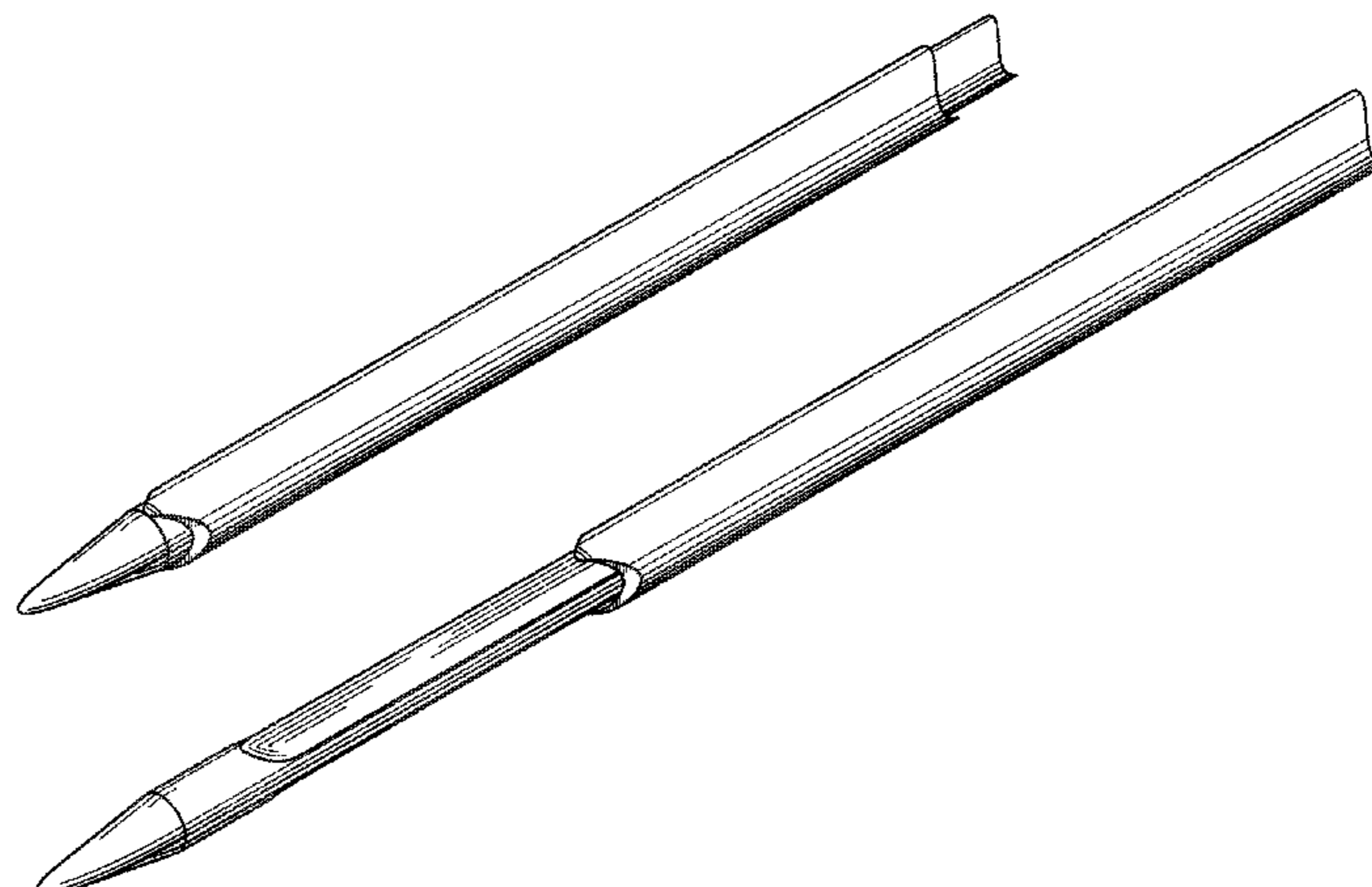


FIG. **19** is a detail cross-sectional view of the circled portion of FIG. **15** shown at an enlarged scale.

FIG. **20** is a detail cross-sectional view of the alternate embodiment shown in FIG. **18**.

FIG. **21** is a top, front, right side perspective view shown removed from the split biopsy needle for clarity of disclosure.

FIG. **22** is a front elevation view of FIG. **21**, shown at an enlarged scale.

FIG. **23** is a rear elevation view of FIG. **21**, shown at an enlarged scale.

FIG. **24** is a top plan view of FIG. **21**, the bottom plan view being identical.

FIG. **25** is a right side elevation view of FIG. **21**, the left side elevation view being a mirror image.

FIG. **26** is a cross-sectional view, taken along line **26-26** of FIG. **24**.

FIG. **27** is a detail cross-sectional view of the circled portion of FIG. **26** shown at an enlarged scale.

FIG. **28** is a top, front, right side perspective view of an alternate embodiment, shown removed from the split biopsy needle for clarity of disclosure.

FIG. **29** is front elevation view of FIG. **28**, shown at an enlarged scale.

FIG. **30** is a rear elevation view of FIG. **28** shown at an enlarged scale.

FIG. **31** is a top plan view of FIG. **28**, the bottom plan view being identical.

FIG. **32** is a right side elevation view of FIG. **28**, the left side elevation view being a mirror image.

FIG. **33** is a cross-sectional view, taken along line **33-33** of FIG. **31**; and,

FIG. **34** is a detail cross sectional view of the circled portion of FIG. **33** shown at an enlarged scale.

1 Claim, 8 Drawing Sheets

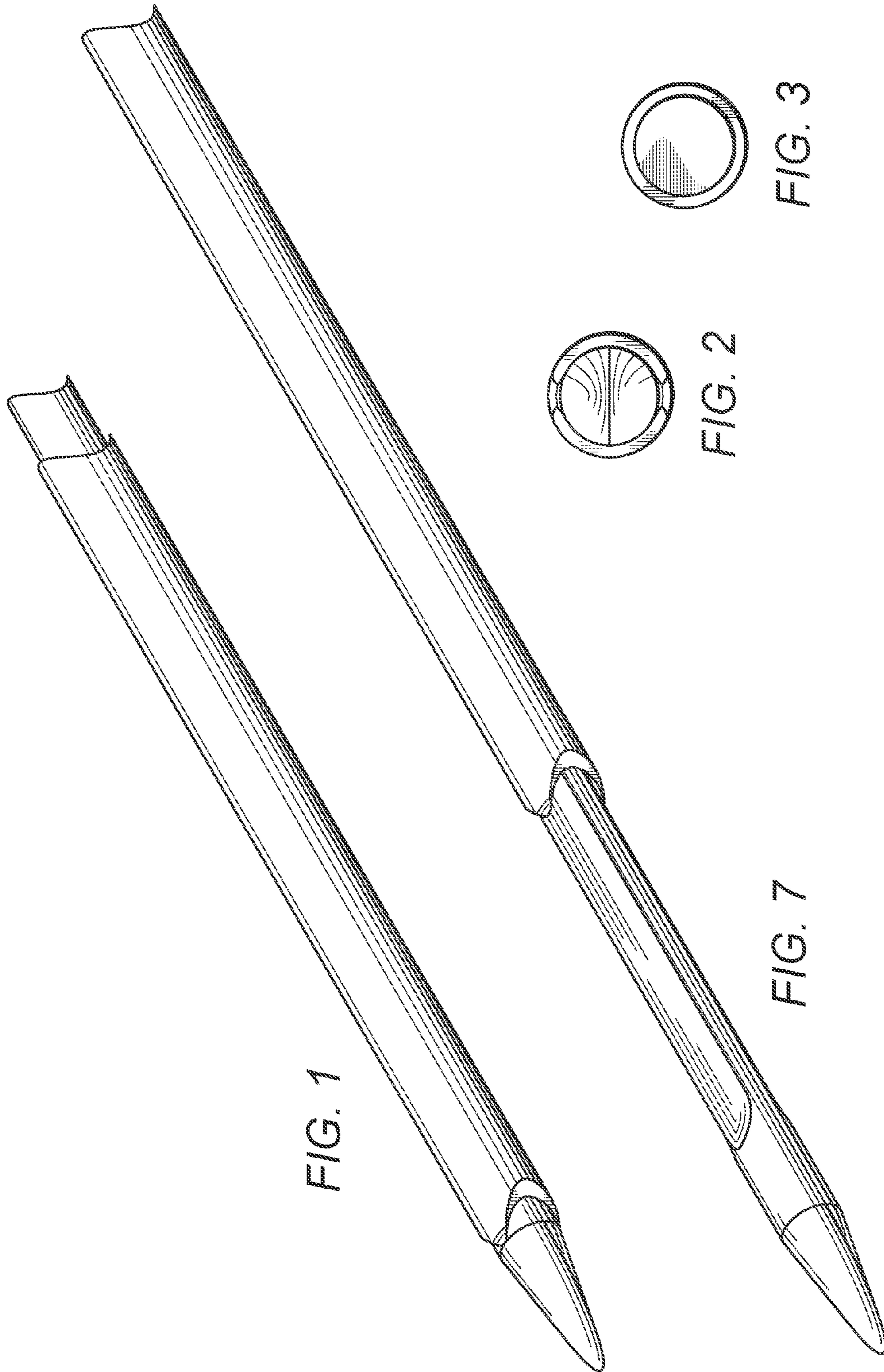


FIG. 1

FIG. 2

FIG. 7

FIG. 3

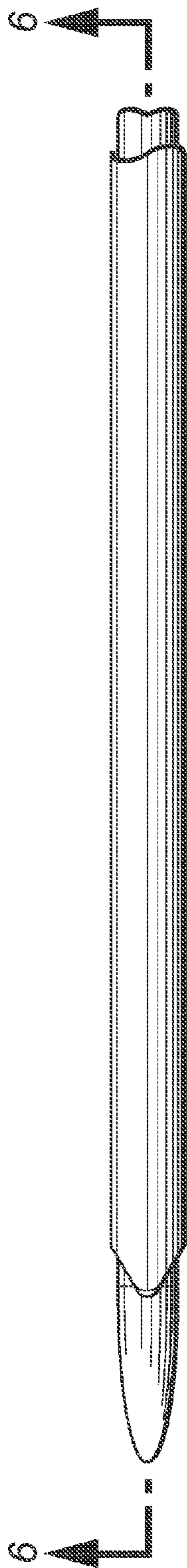


FIG. 4

FIG. 5

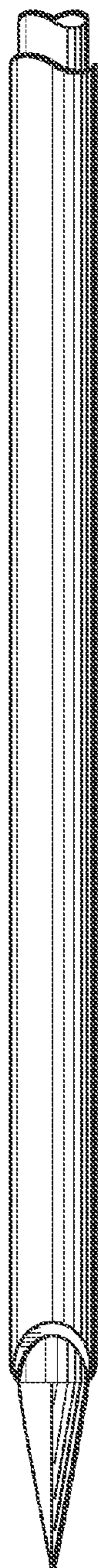
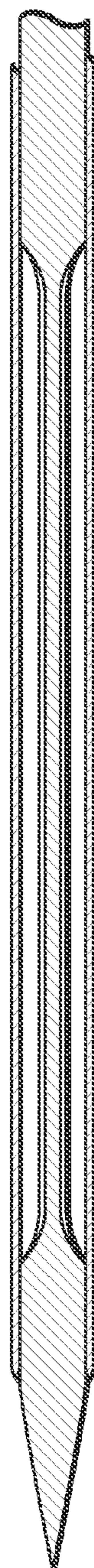


FIG. 6



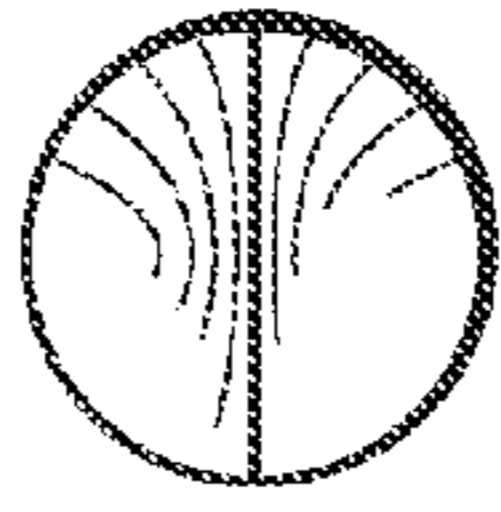
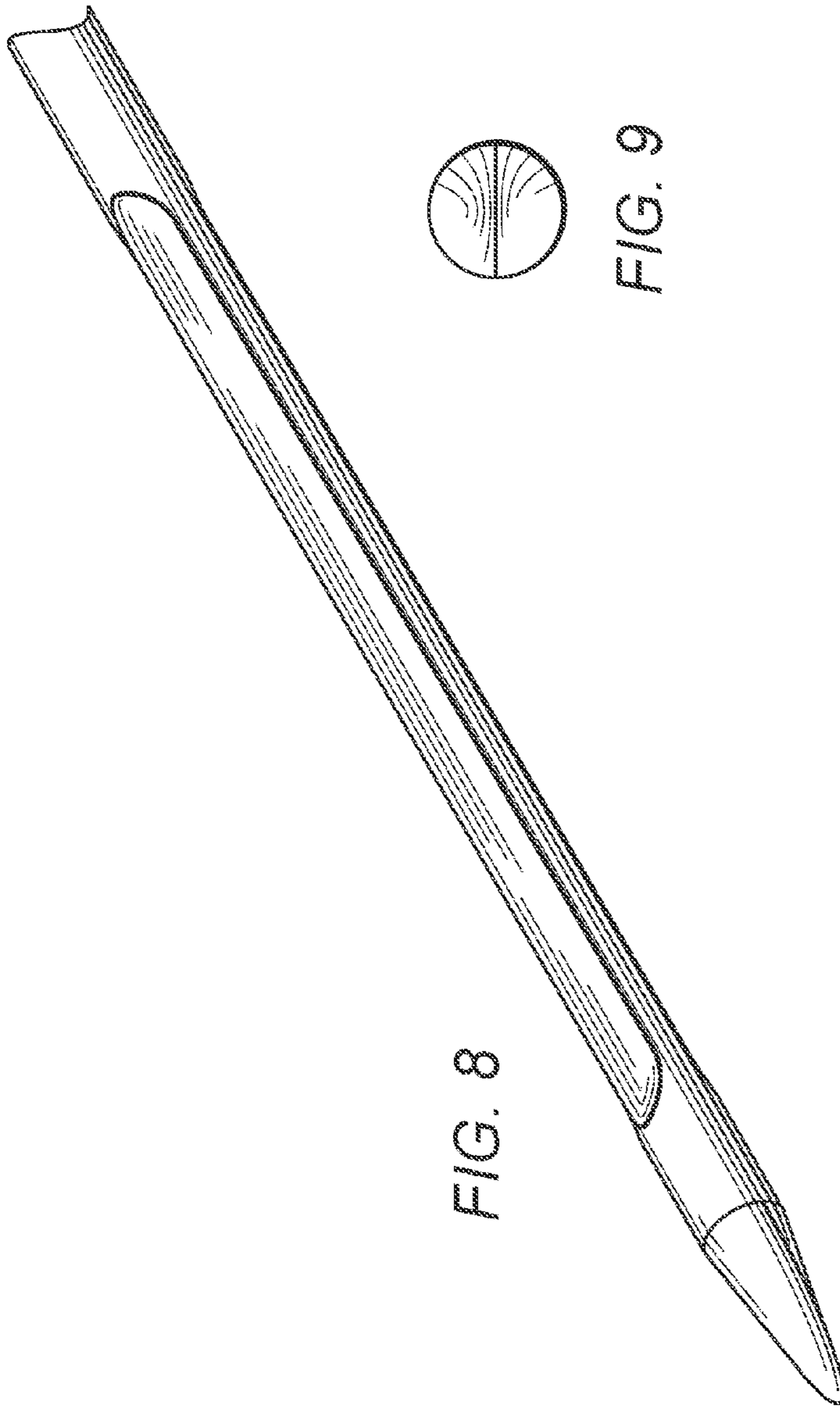


FIG. 9

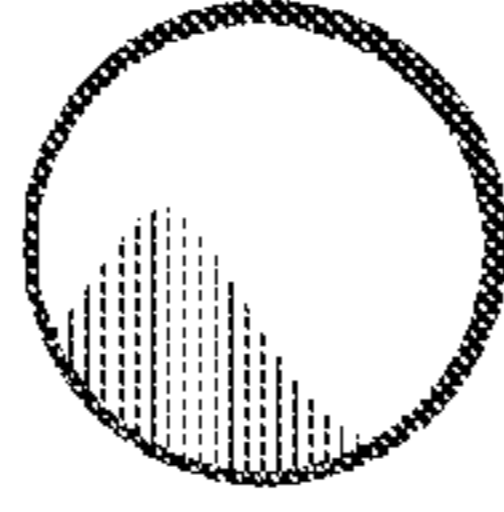


FIG. 10

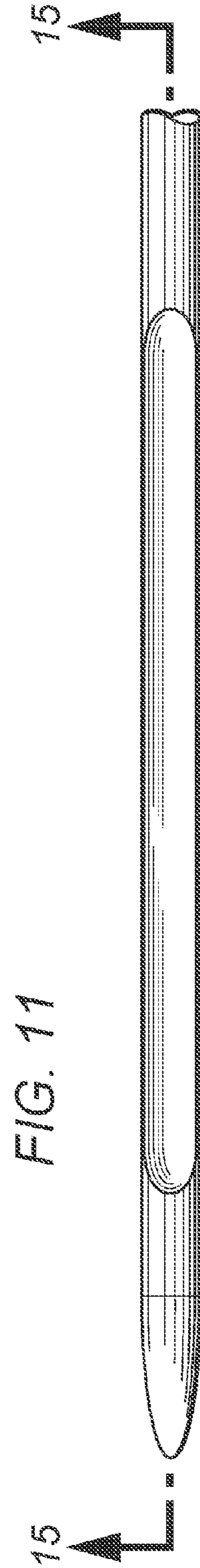


FIG. 11

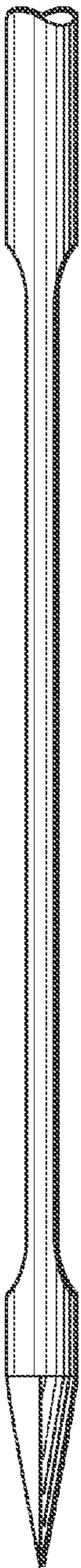
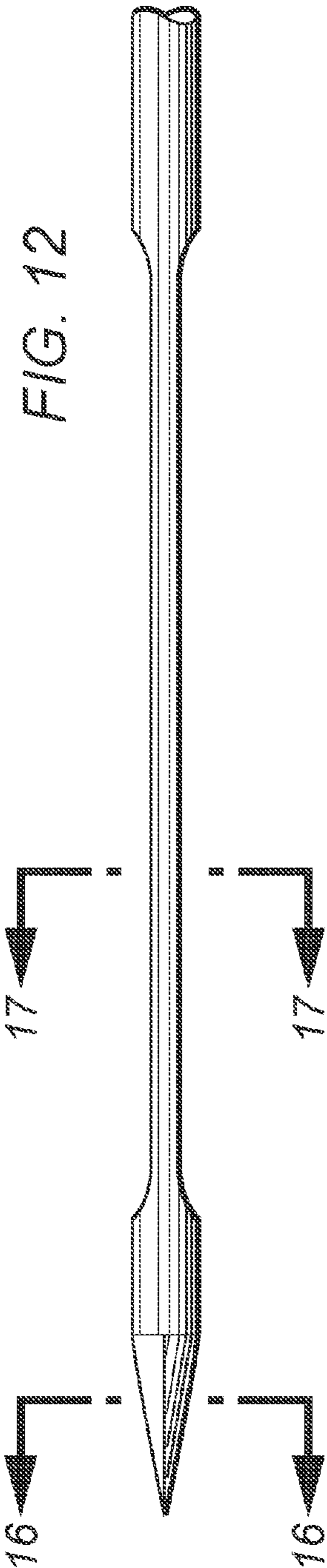


FIG. 13

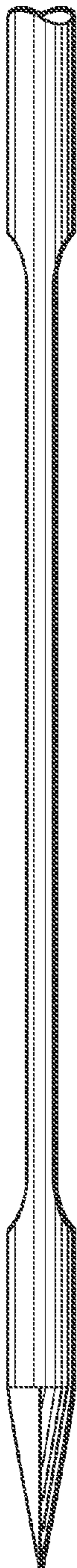
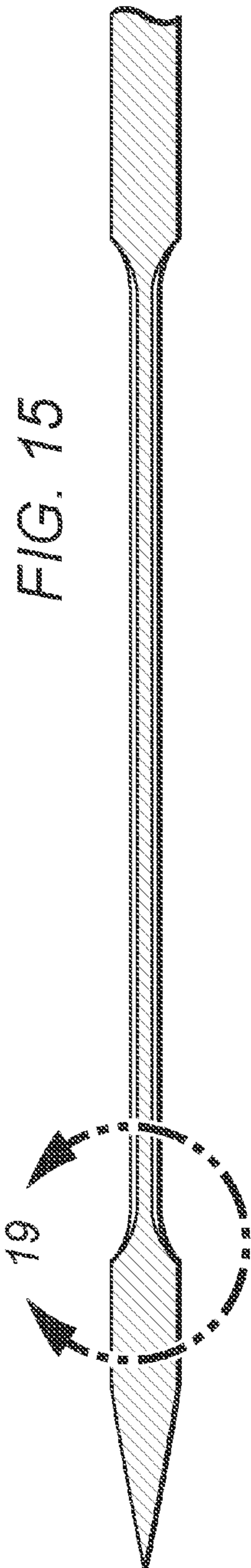


FIG. 14



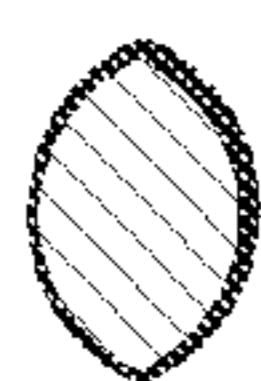


FIG. 16

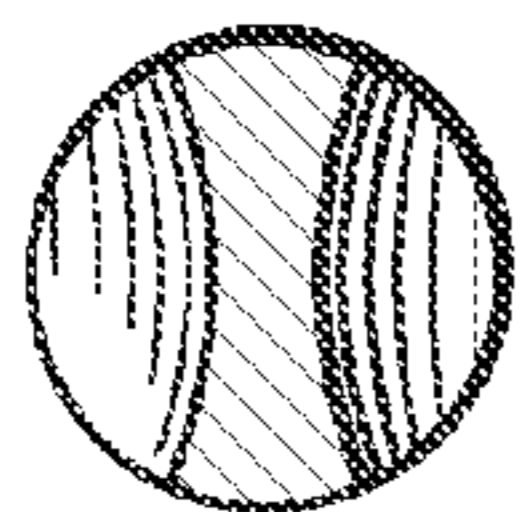


FIG. 17

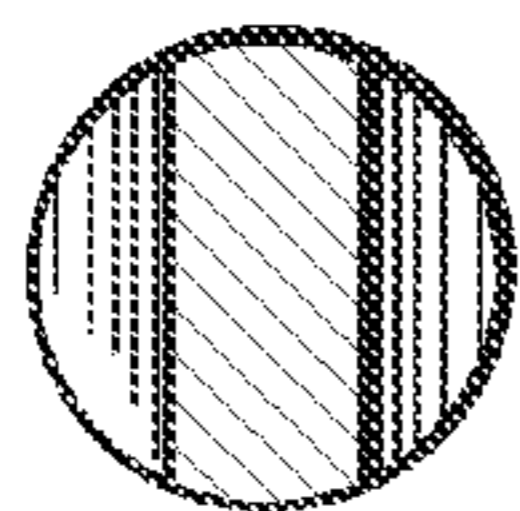


FIG. 18

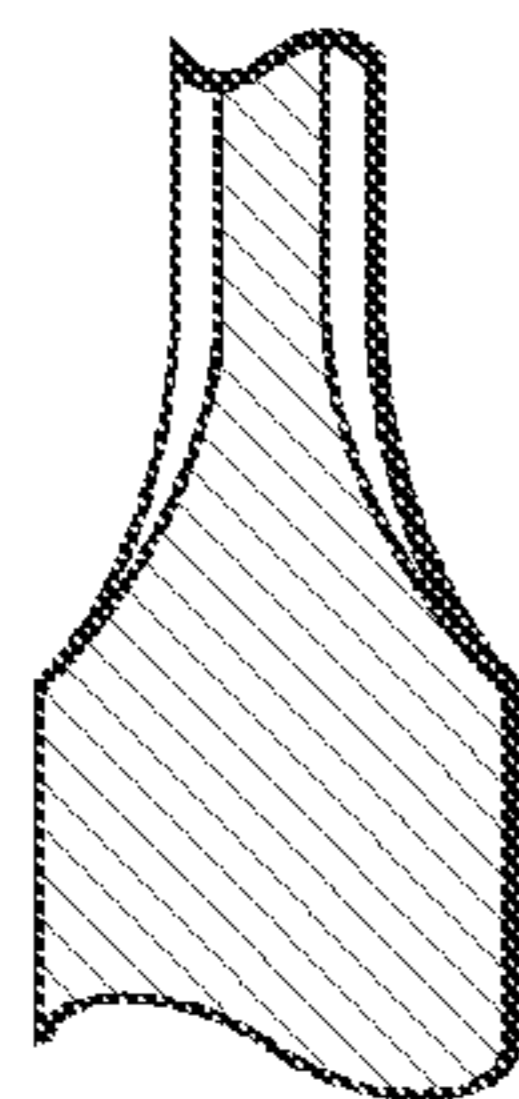


FIG. 19

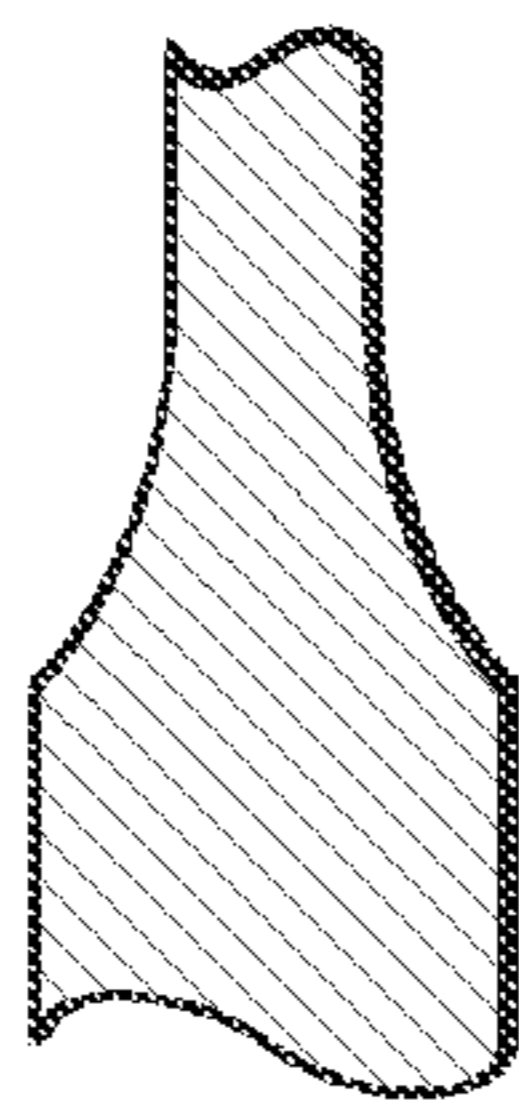


FIG. 20

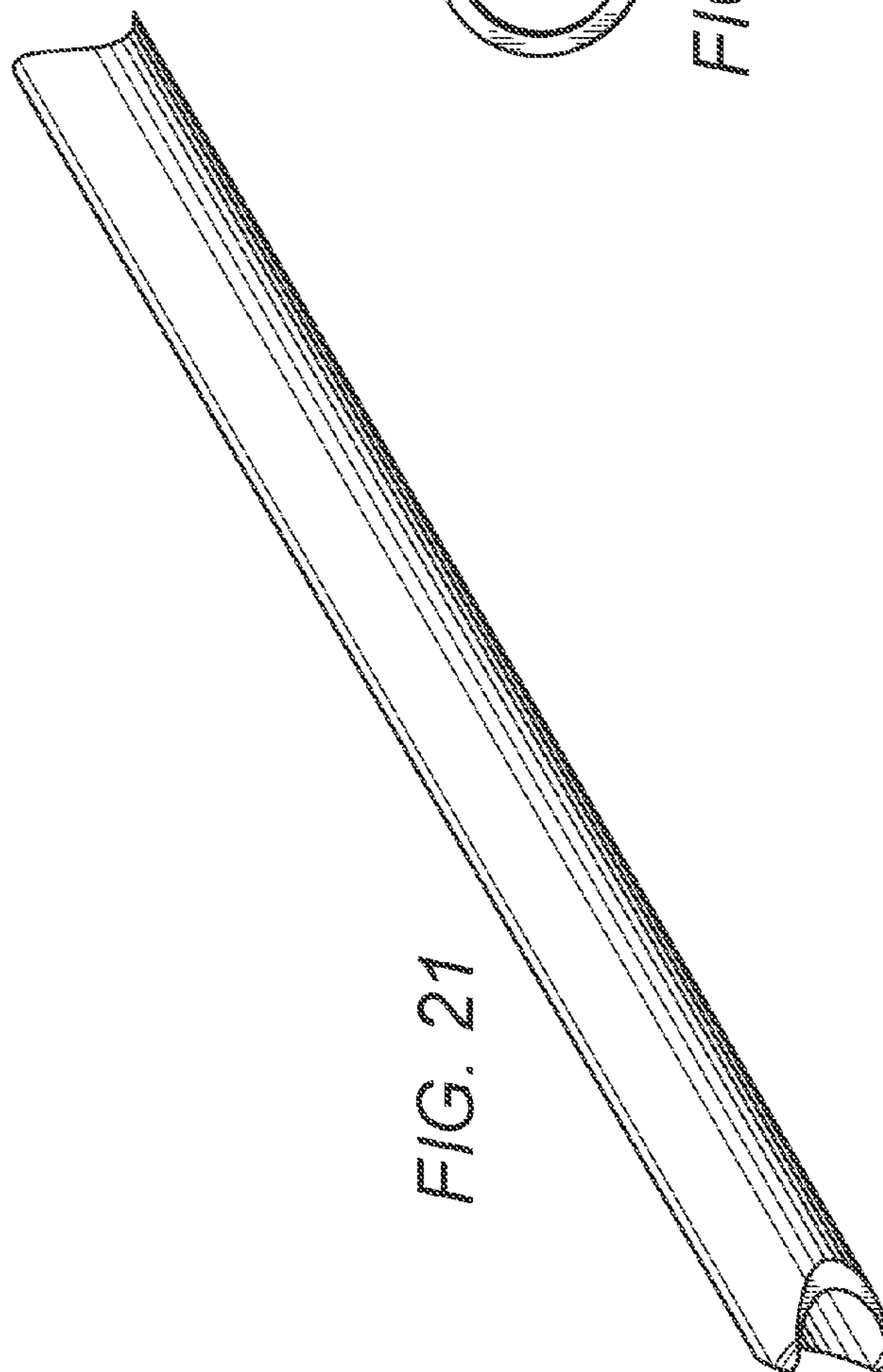


FIG. 21

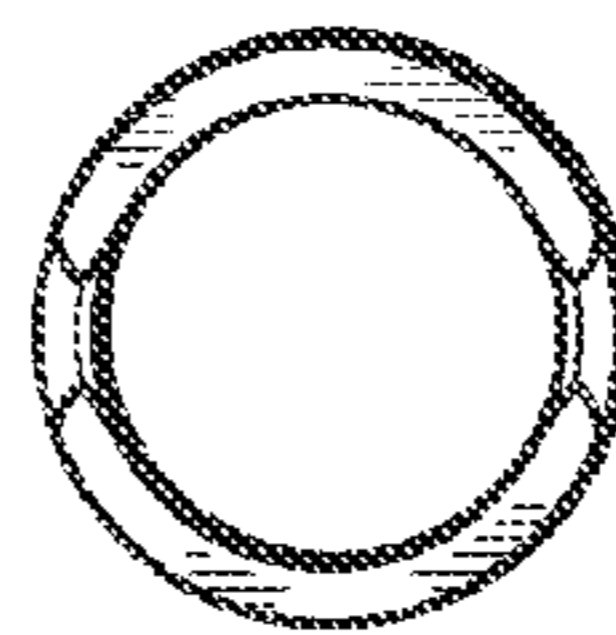


FIG. 22

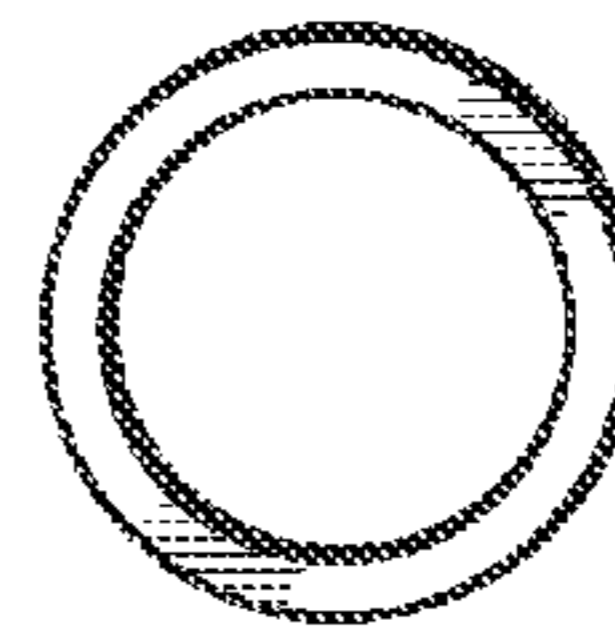


FIG. 23

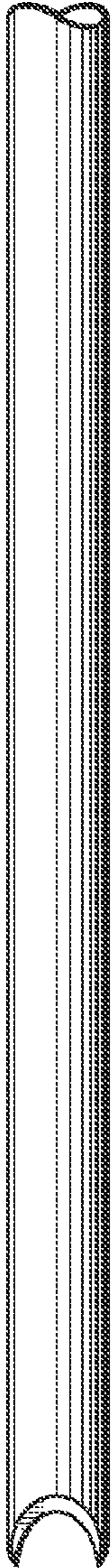
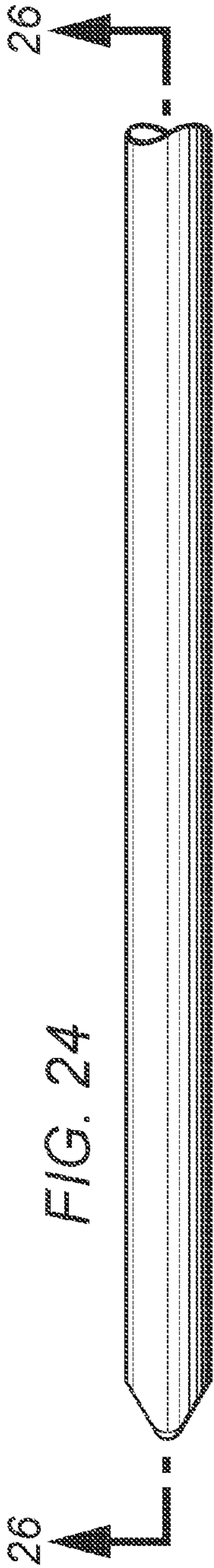


FIG. 25

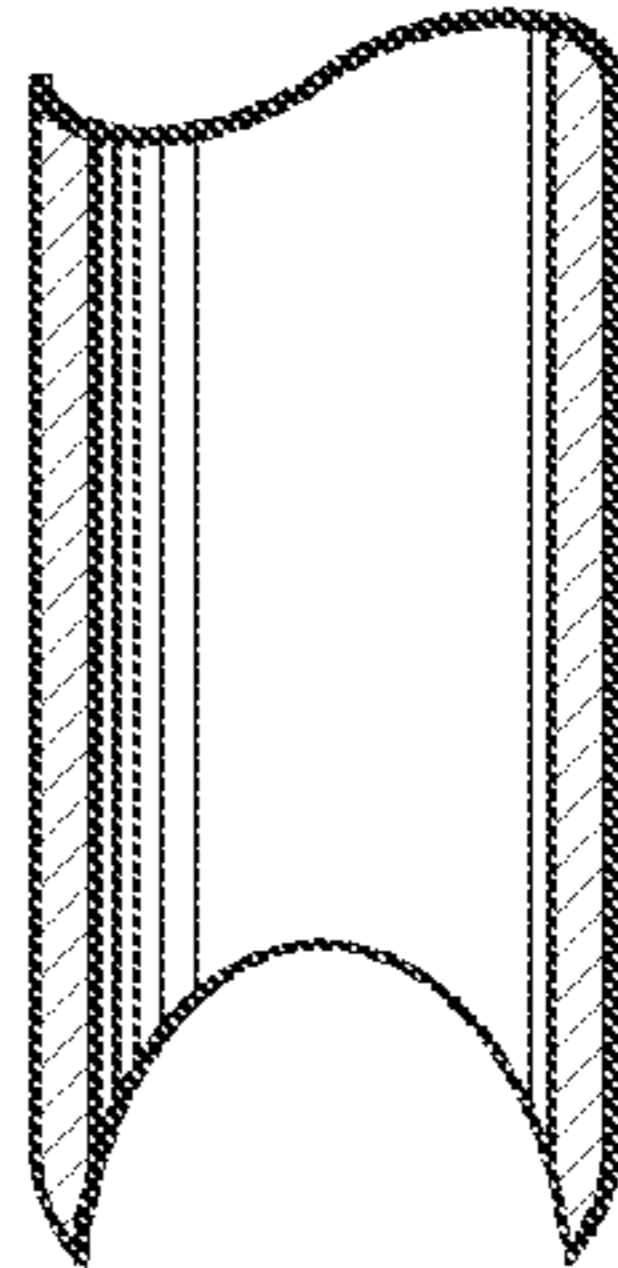
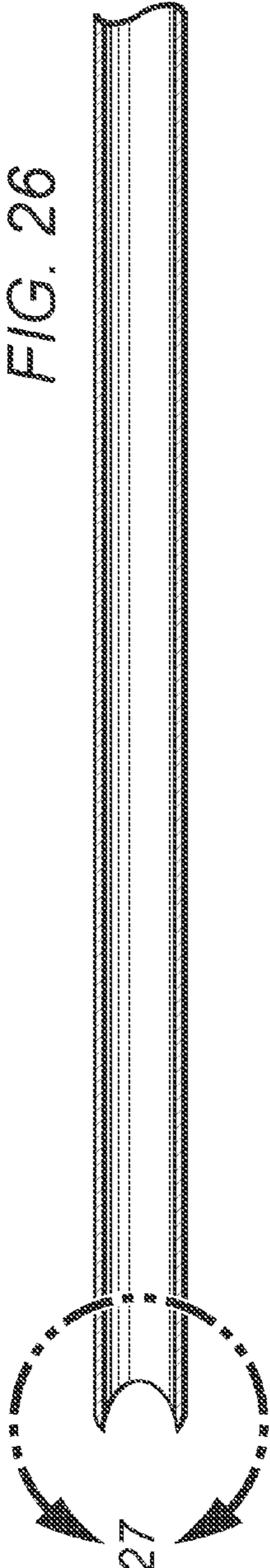


FIG. 27

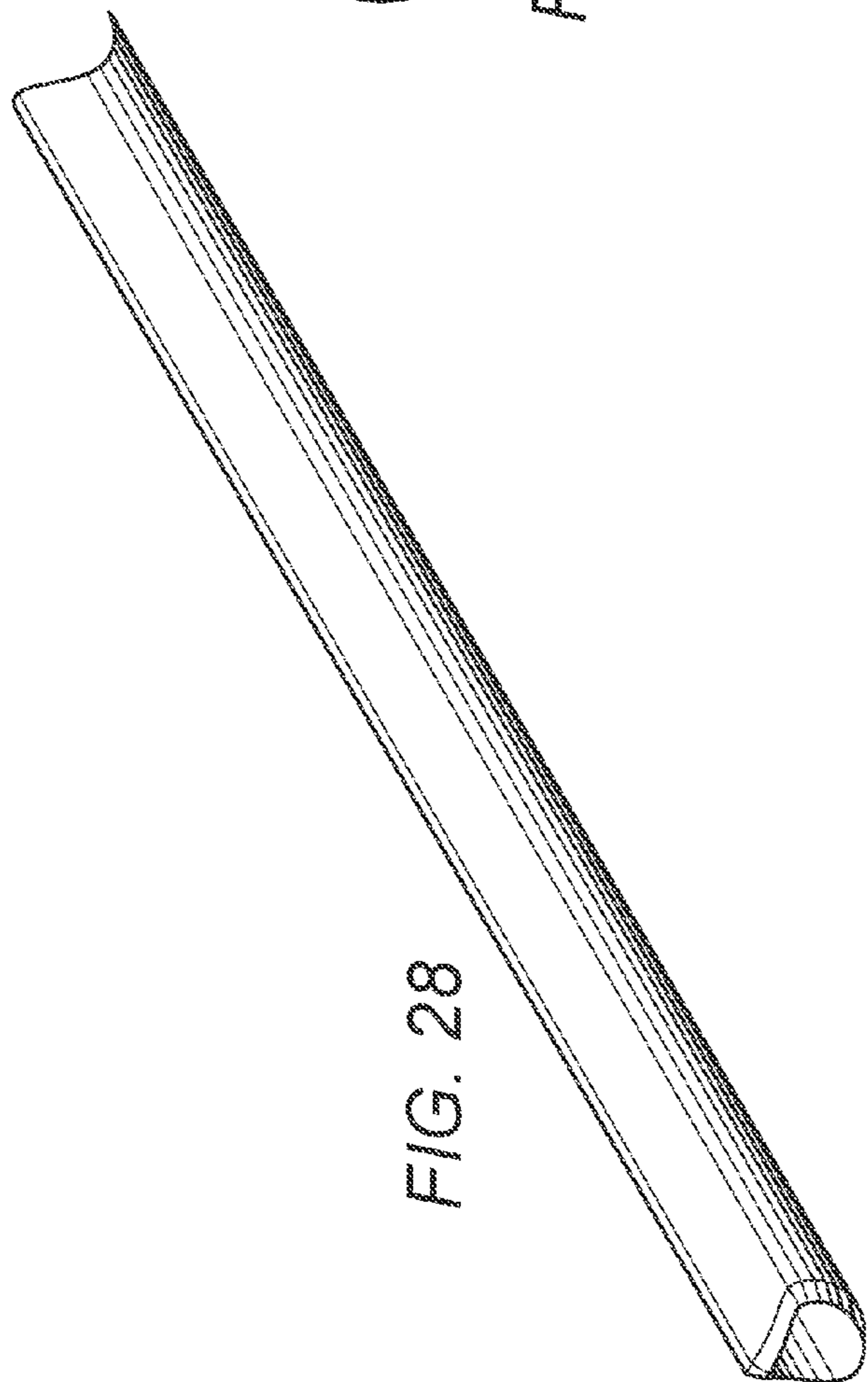


FIG. 28

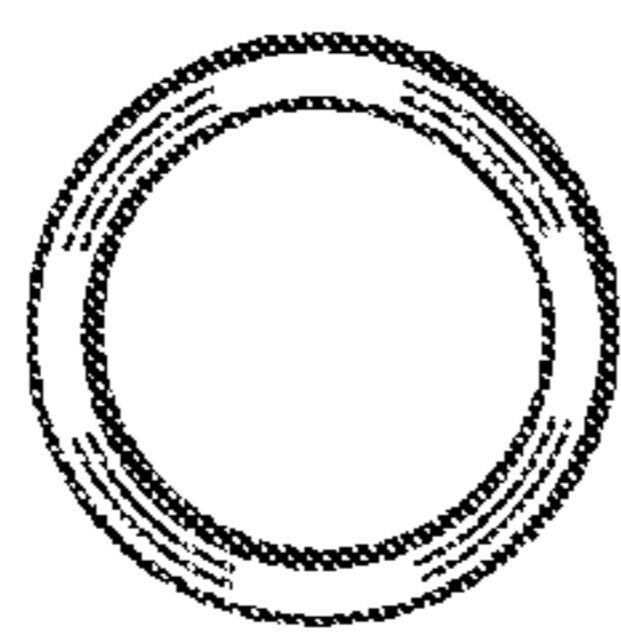


FIG. 29

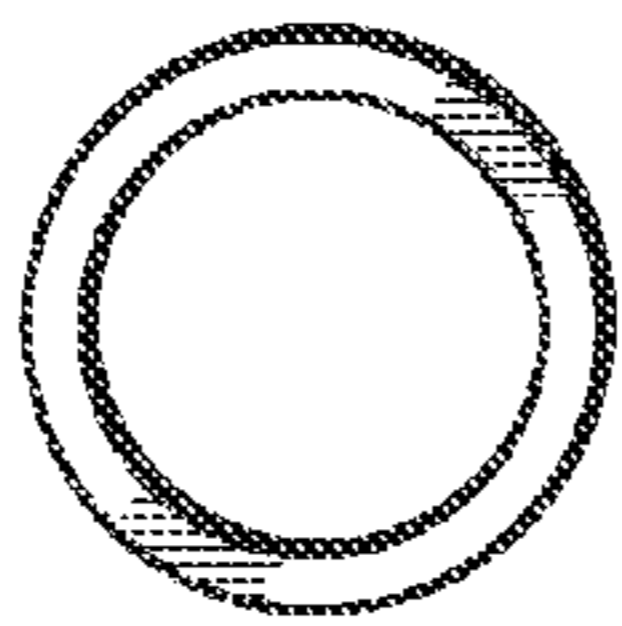


FIG. 30

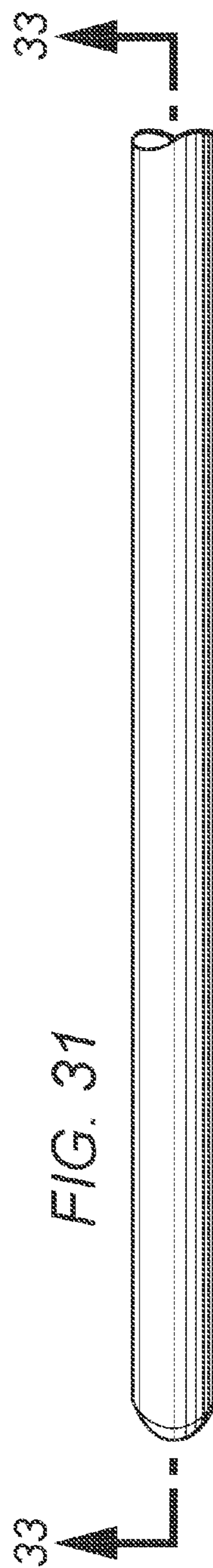


FIG. 31

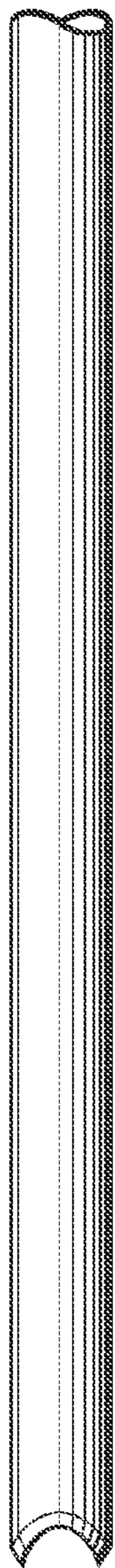


FIG. 32

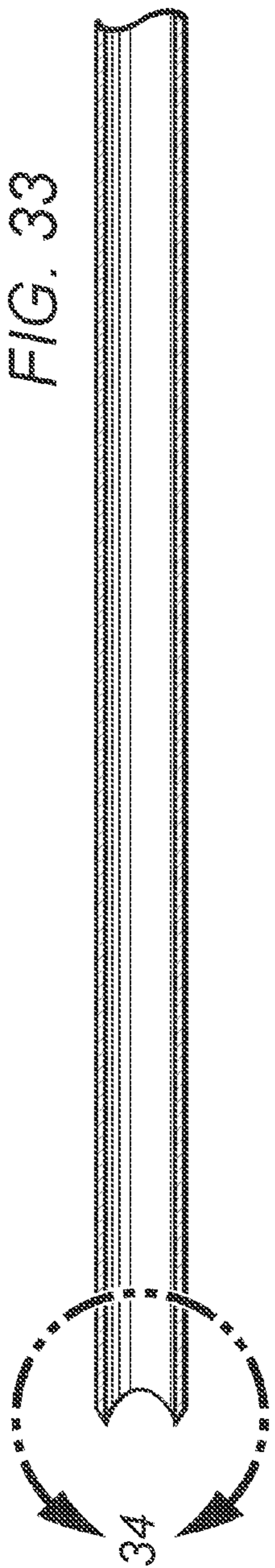


FIG. 33

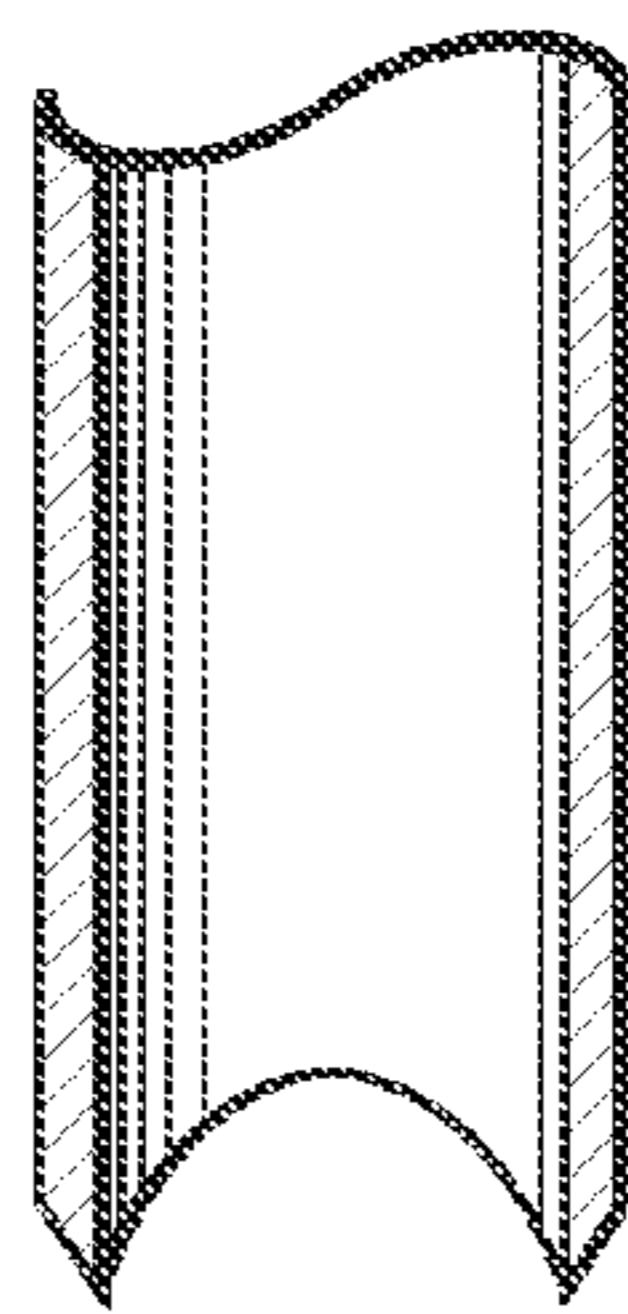


FIG. 34