



US00D986295S

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

(10) **Patent No.:** **US D986,295 S**
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- (54) **TINE**
- (71) Applicant: **AmTech International**, Freehold, NJ (US)
- (72) Inventor: **Von Davis**, Freehold, NJ (US)
- (73) Assignee: **AmTech International**, Freehold, NJ (US)
- (**) Term: **15 Years**
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- (22) Filed: **May 31, 2022**

Related U.S. Application Data

- (63) Continuation of application No. 17/748,395, filed on May 19, 2022.
- (51) **LOC (14) Cl.** **15-03**
- (52) **U.S. Cl.**
USPC **D15/29**
- (58) **Field of Classification Search**
USPC D15/28, 29; D8/370, 371, 13
CPC A01B 45/023; A01B 37/00; A01B 1/243;
A01B 39/20; A01B 19/02; A01B 35/24;
A01B 35/225; A01B 35/00; A01B 23/02;
A01B 23/00; B23K 1/0008
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D242,737 S *	12/1976	van der Lely	.....	D15/29
D243,207 S *	1/1977	Van der Lely	.....	D15/29
D243,275 S *	2/1977	van der Lely	.....	D15/29
D243,708 S *	3/1977	van der Lely	.....	D15/29
D245,910 S *	9/1977	Van der Lely	.....	D15/29
D246,457 S *	11/1977	Van der Lely	.....	D15/29
D246,716 S *	12/1977	Van der Lely	.....	D15/29
D250,714 S *	1/1979	Van der Lely	.....	D15/29
D263,233 S *	3/1982	van der Lely	.....	D15/29

D300,223 S *	3/1989	Livingstone	.....	D15/29
5,495,895 A *	3/1996	Sakamoto	.....	A01B 45/023 111/170
5,868,206 A *	2/1999	Miller	.....	A01B 45/023 172/21
6,517,242 B1 *	2/2003	Buchman	.....	B31B 70/00 493/213
6,945,332 B2 *	9/2005	Uehara	.....	A01B 45/023 172/745
D541,936 S *	5/2007	Patterson	.....	D24/112
D638,862 S *	5/2011	Kobayashi	.....	D15/29

(Continued)

OTHER PUBLICATIONS

Davis, V., U.S. Appl. No. 17/748,395, filed May 19, 2022, entitled "Perforator Quick Disconnect System".
(Continued)

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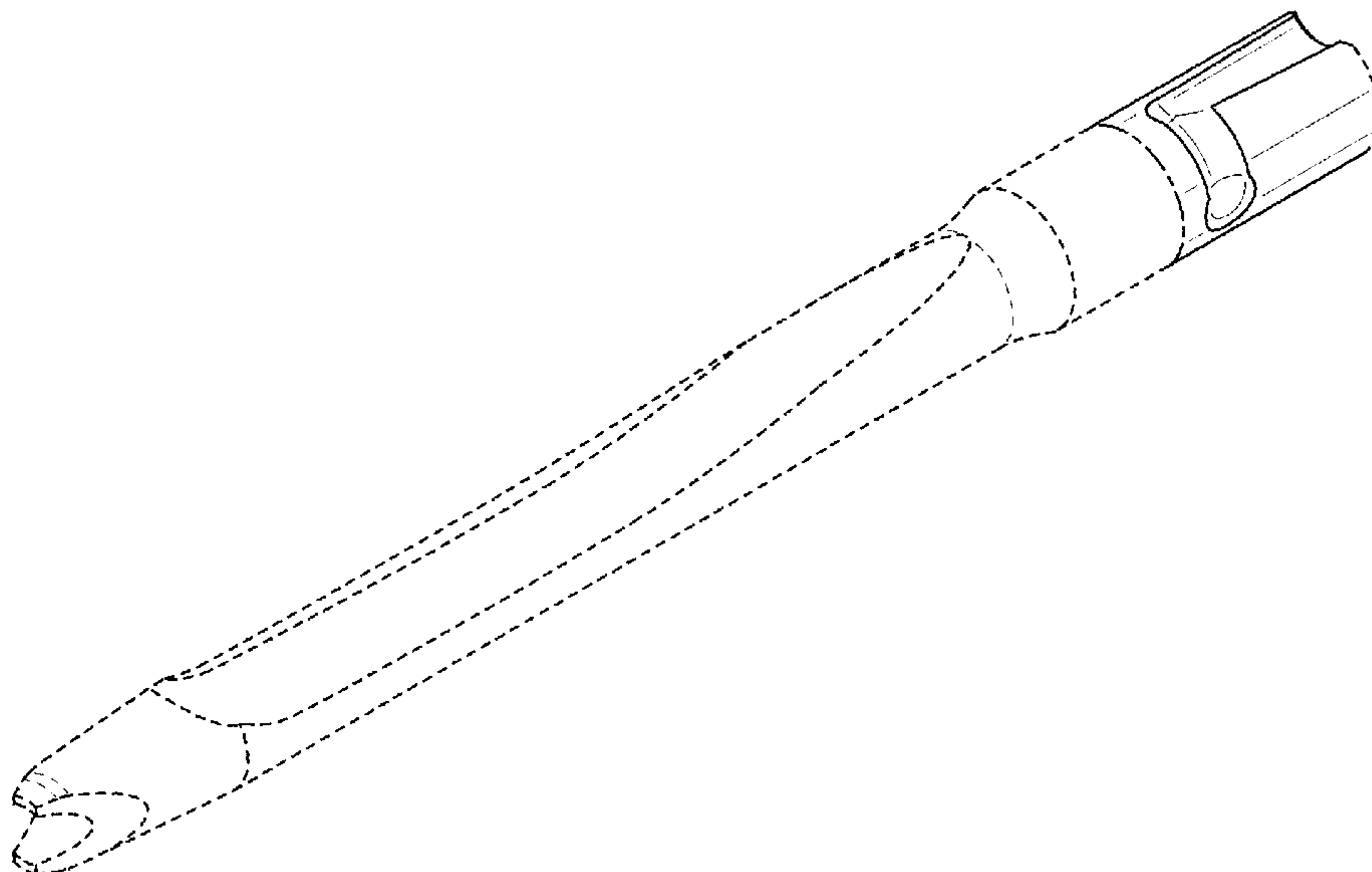
(57) **CLAIM**

The ornamental design for a tine, as shown and described.

DESCRIPTION

FIG. 1 is a front and right side perspective view of a tine showing my new design;
FIG. 2 is an enlarged front elevation view thereof;
FIG. 3 is an enlarged rear elevation view thereof;
FIG. 4 is a left side elevation view thereof;
FIG. 5 is a right side elevation view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is a right side and top perspective view thereof.
The broken lines of even length depict portions of the tine that form no part of the claimed design. The broken lines of uneven length are boundary lines that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D655,725 S * 3/2012 Lewis D15/29
 D720,042 S * 12/2014 Walsh D23/233
 8,979,438 B2 * 3/2015 Maas E02D 3/026
 405/271
 D750,748 S * 3/2016 Penkkimäki D23/233
 D753,193 S * 4/2016 Jasper D15/29
 9,516,800 B2 * 12/2016 Maas A01B 45/023
 D857,756 S * 8/2019 Rhode D15/29
 D857,757 S * 8/2019 Rhode D15/29
 D857,758 S * 8/2019 Rhode D15/29
 D857,759 S * 8/2019 Rhode D15/29
 D857,760 S * 8/2019 Rhode D15/29
 D859,476 S * 9/2019 Rhode D15/29
 D859,477 S * 9/2019 Rhode D15/29
 D911,397 S * 2/2021 Faust D15/28
 D969,576 S * 11/2022 Maas D8/13
 2005/0167126 A1 * 8/2005 Uehara A01B 45/023
 172/22
 2009/0166049 A1 * 7/2009 Gamble A01B 45/023
 172/22

2009/0173508 A1 * 7/2009 Langworthy A01B 45/023
 172/21
 2011/0278031 A1 * 11/2011 Kobayashi A01B 45/023
 172/22
 2021/0378159 A1 * 12/2021 Sakamoto A01G 20/30

OTHER PUBLICATIONS

The Grassgroup, The Grass Group blog, Oct. 25, 2017, [online],[retrieved on Jun. 1, 2022]. 1 pg. Retrieved from Grass Group website: <<https://www.thegrassgroup.com/grassgroup-blog/?tag=tines>>.
 Toro 2019-2020, Titan Tines Catalog, 2019, [online], [retrieved on Jun. 1, 2022]. 28 pgs. Retrieved from Toro website: <<https://cdn2.toro.com/en/-/media/Files/Toro/Page/Parts/2019-2020-Tines-Catalog-Non-Priced.ashx>>.
 Extracted pages from 2022 Par West Product Catalog, ParWestTurf, printed Jan. 2022, [online], [retrieved on Jun. 1, 2022]. 13 pgs. Retrieved from Par West website: <<https://parwest.com/wp-content/uploads/2022-Par-West-Product-Catalog-compressed-1.pdf>> (pp. 1-3, 185-193, 238).

* cited by examiner

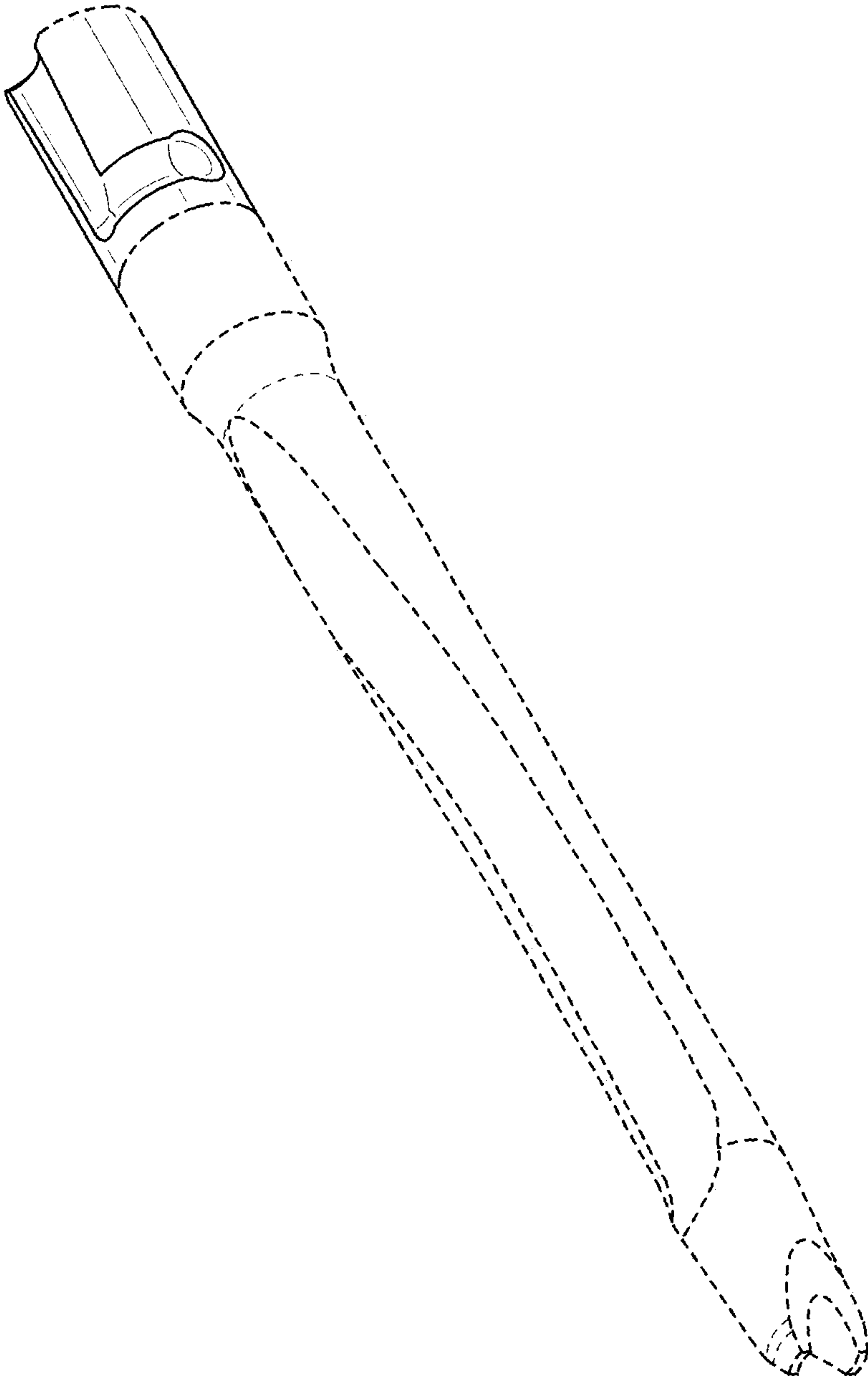


FIG. 1

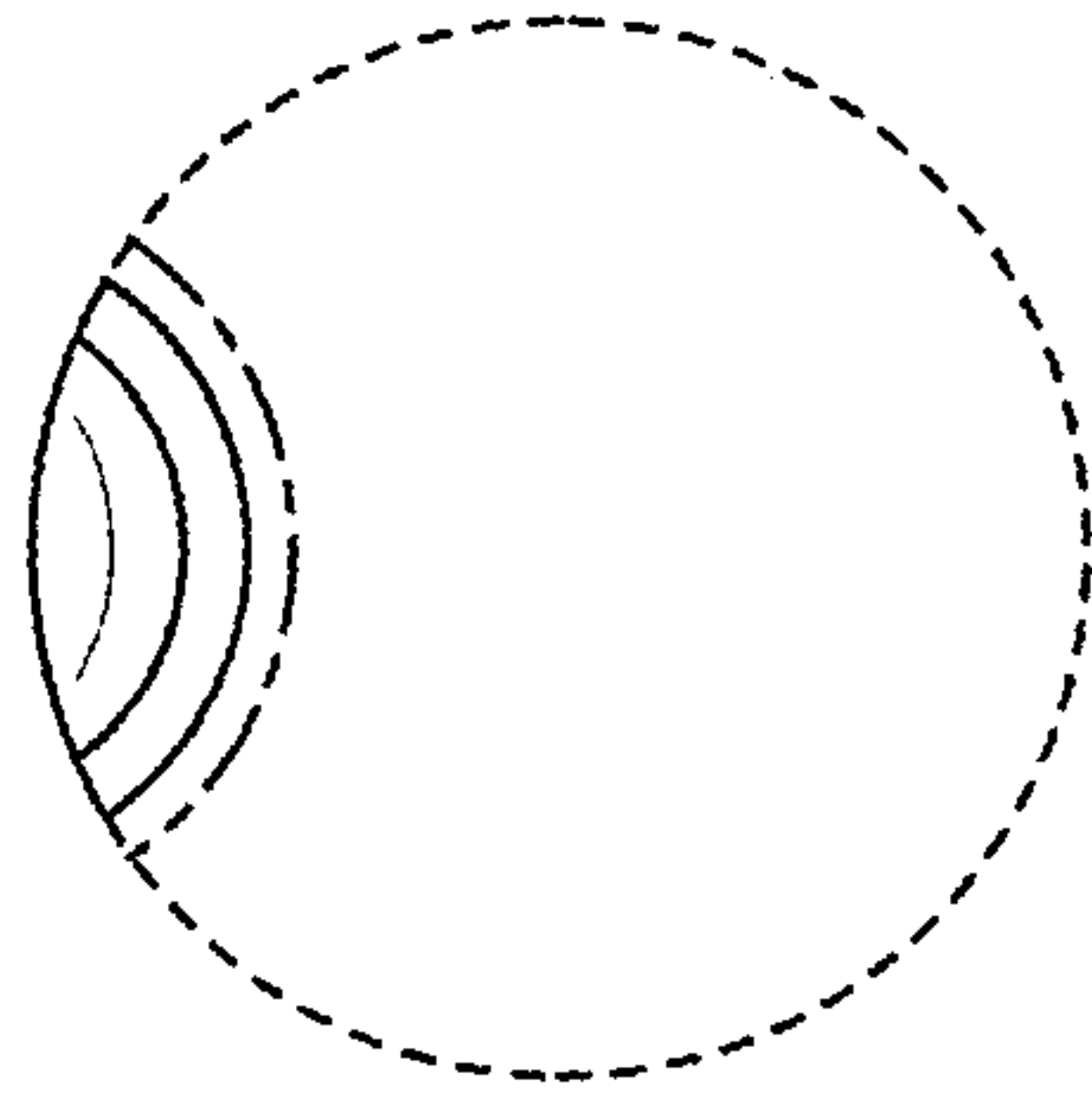


FIG. 3

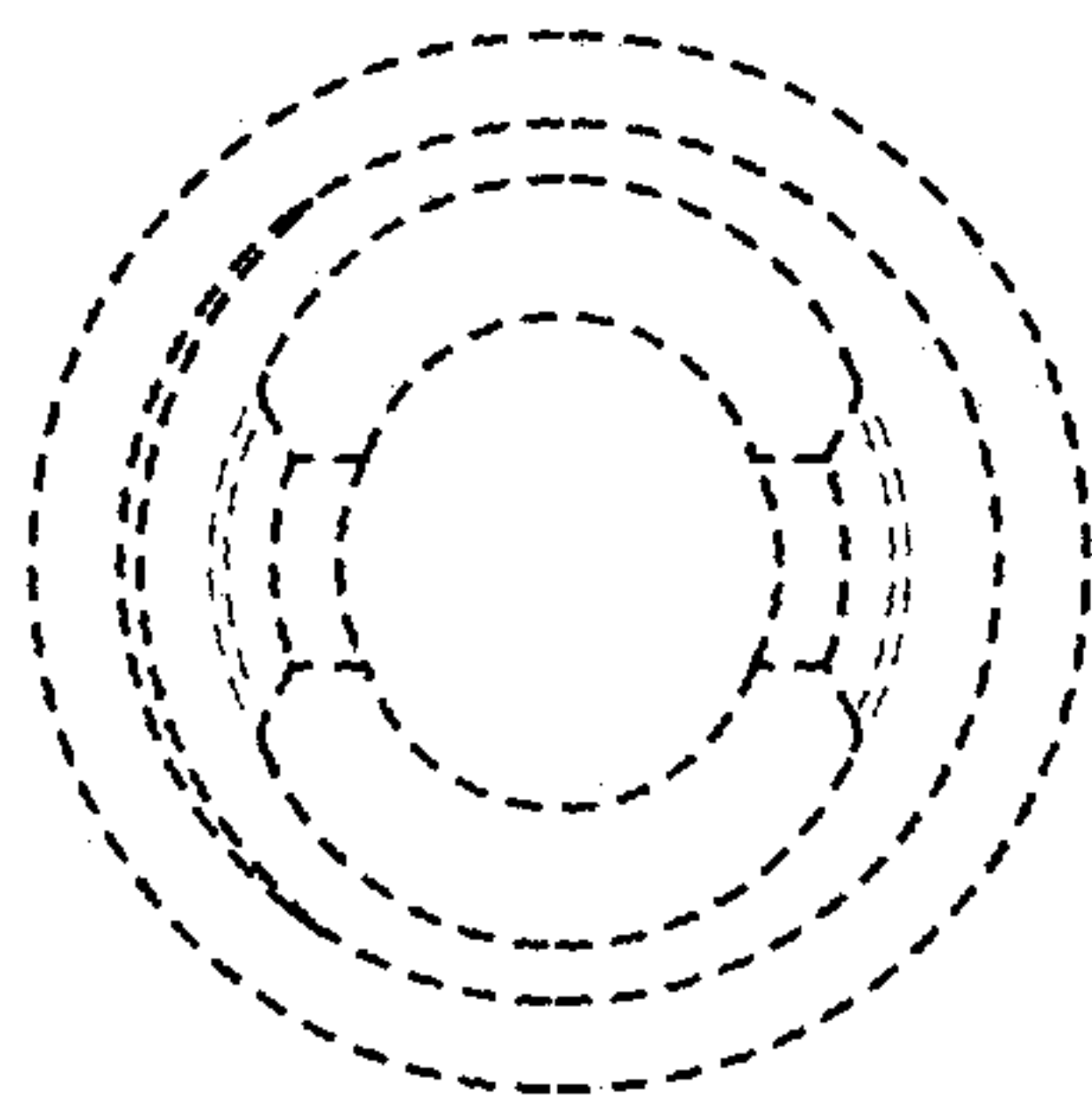


FIG. 2

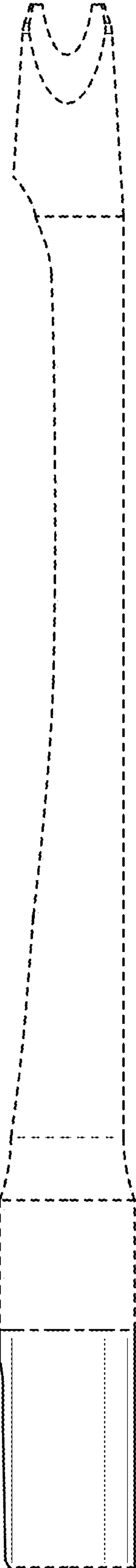


FIG. 4

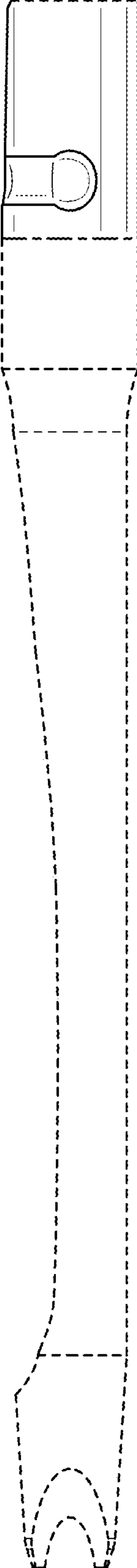


FIG. 5

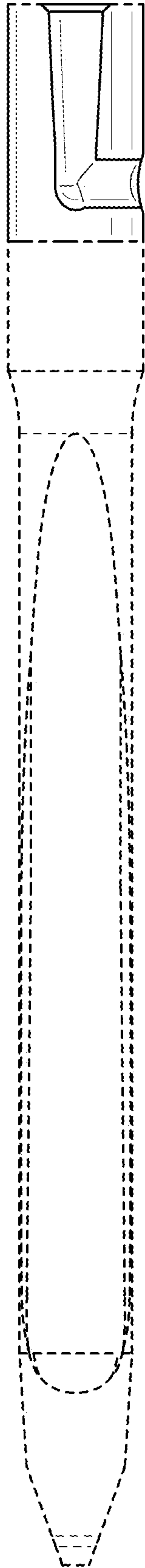


FIG. 6

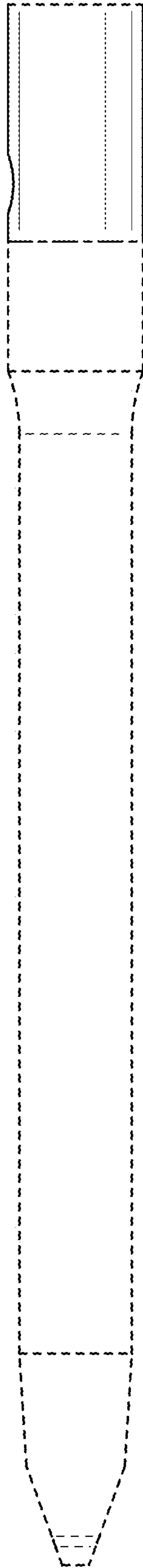


FIG. 7

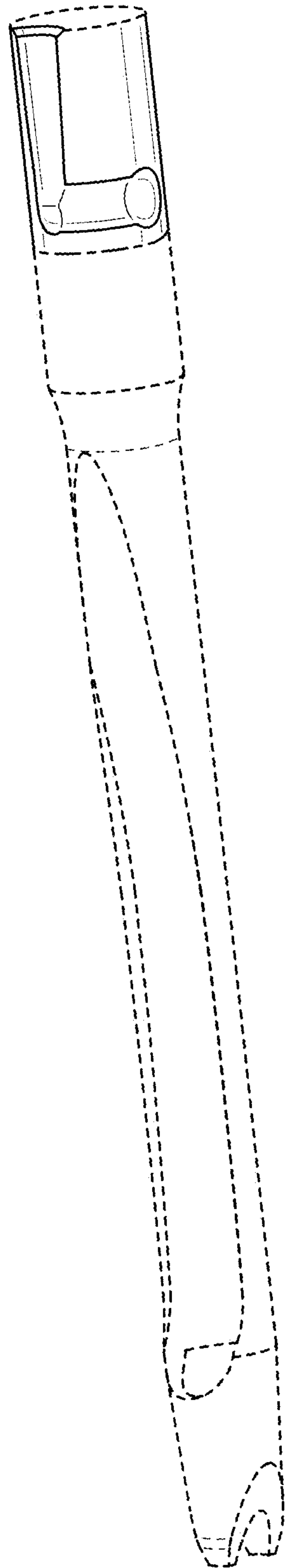


FIG. 8