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

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(54) **MICROTUBE**

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

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(30) **Foreign Application Priority Data**

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

(52) **U.S. Cl.**
USPC **D24/224**

(58) **Field of Classification Search**
USPC D24/216-232; D3/203.1; D10/81;
229/4.5; D9/503, 516, 519, 520-521,
D9/544-446, 549, 500, 556, 558; 422/500,
422/547, 554, 556, 528, 501; 356/246;
215/224, 305, 306, 365, 230, 204;
435/288.1, 288.2, 304.1, 304.2, 287.7;
220/259.2; 206/534; 436/45

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,288,318	A *	11/1966	Corbin et al.	.....	215/365
D229,748	S *	1/1974	White	.....	D24/224
3,799,426	A *	3/1974	Pates et al.	.....	229/4.5
D232,355	S *	8/1974	Wiedman	.....	D24/224
D246,467	S *	11/1977	Kurata	.....	D24/224
D246,600	S *	12/1977	Kurata	.....	D24/224
D256,053	S *	7/1980	Steigerwald	.....	D24/224
4,674,640	A *	6/1987	Asa et al.	.....	215/230
D302,722	S *	8/1989	Baxter	.....	D24/224
D304,997	S *	12/1989	Baxter	.....	D24/224
D307,052	S *	4/1990	Baxter	.....	D24/224
D319,018	S *	8/1991	West et al.	.....	D9/446

5,225,165	A *	7/1993	Perlman	.....	422/548
5,295,599	A *	3/1994	Smith	.....	215/204
5,513,768	A *	5/1996	Smith	.....	220/259.2
5,730,292	A *	3/1998	Jones	.....	206/534
5,958,778	A *	9/1999	Kidd	.....	436/45
D425,625	S *	5/2000	Niermann	D24/224
D438,982	S *	3/2001	Lodge et al.	D24/224

(Continued)

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front elevational view of a microtube showing my new design, wherein the microtube comprises a body and a cap;

FIG. 2 is a rear elevational view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof.

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a left side elevational view thereof;

FIG. 7 is a front and top perspective view thereof; and

FIG. 8 is a rear and bottom perspective view thereof.

FIG. 9 is a cross sectional view thereof taken along the line 9-9 of FIG. 3.

FIG. 10 is a front and top perspective view of FIG. 7, showing that the cap is detached from the body.

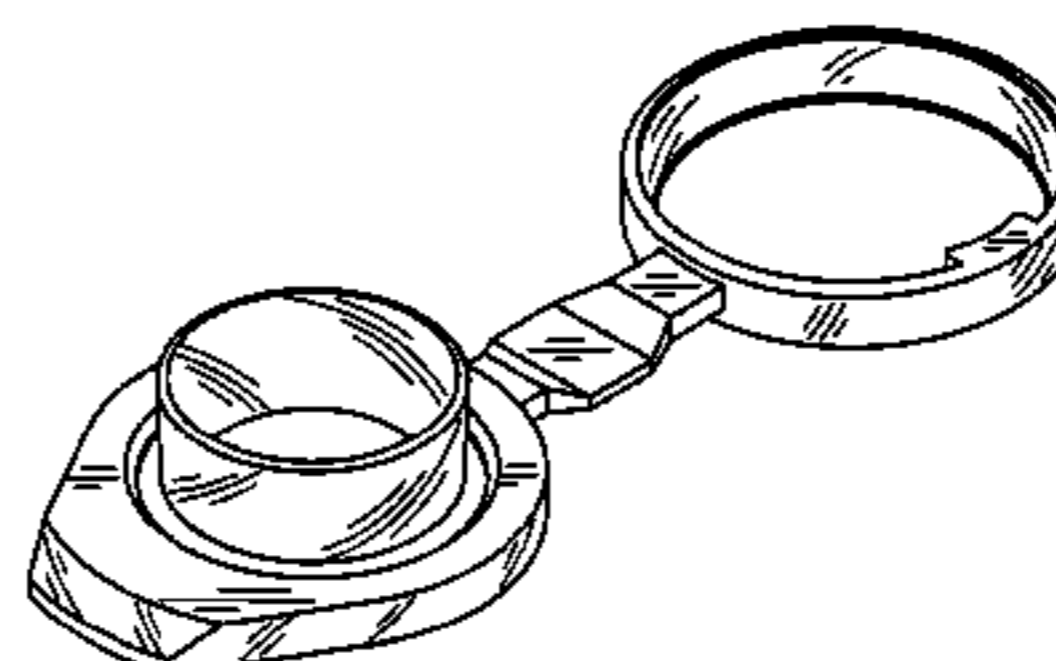
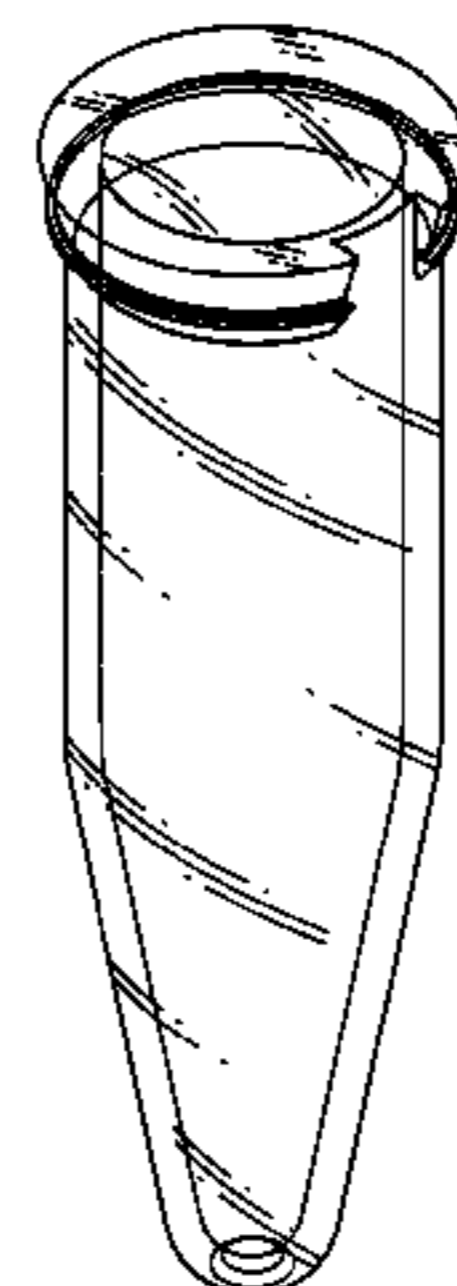
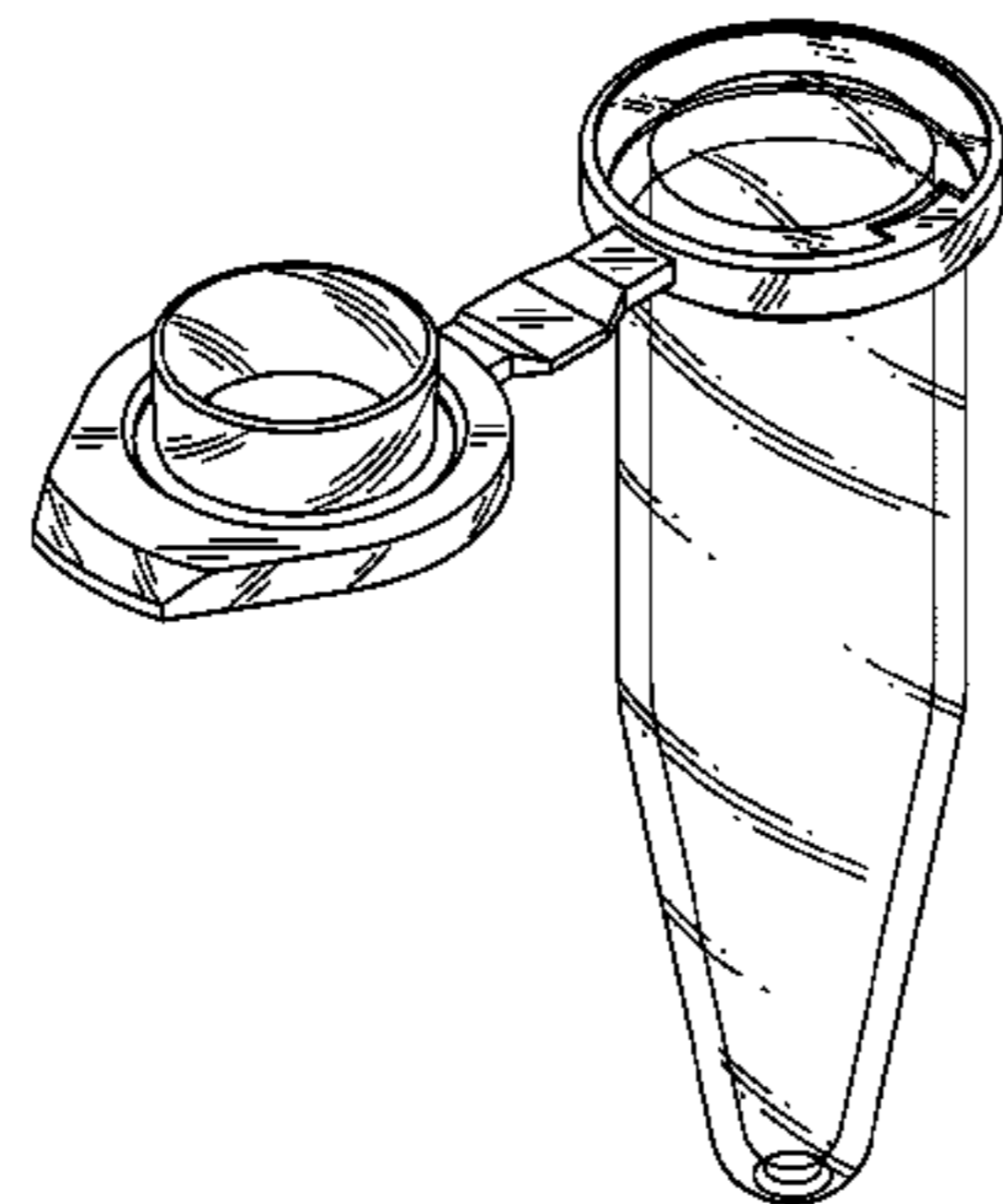
FIG. 11 is a front elevational view of FIG. 1, showing only the detached body.

FIG. 12 is a front and top perspective view of FIG. 7, showing only the detached body.

FIG. 13 is a front and top perspective view of FIG. 7, showing only the detached cap; and,

FIG. 14 is a rear and bottom view of FIG. 8, showing only the detached cap.

1 Claim, 14 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,312,648	B1 *	11/2001	Lenardo et al.	422/501	7,915,032	B2 *	3/2011	Ostrowski et al.	435/287.7
D453,837	S *	2/2002	Lodge	D24/224	D636,678	S *	4/2011	Baird et al.	D9/500
D453,838	S *	2/2002	Harrop	D24/224	D640,795	S *	6/2011	Jackson et al.	D24/216
D454,201	S *	3/2002	Harrop	D24/224	D644,740	S *	9/2011	John et al.	D24/224
D469,185	S *	1/2003	Lodge	D24/224	D647,211	S *	10/2011	Belfance et al.	D24/224
					D659,848	S *	5/2012	TerMaat et al.	D24/224
					D707,364	S *	6/2014	Spencer	D24/224

* cited by examiner

FIG. 1

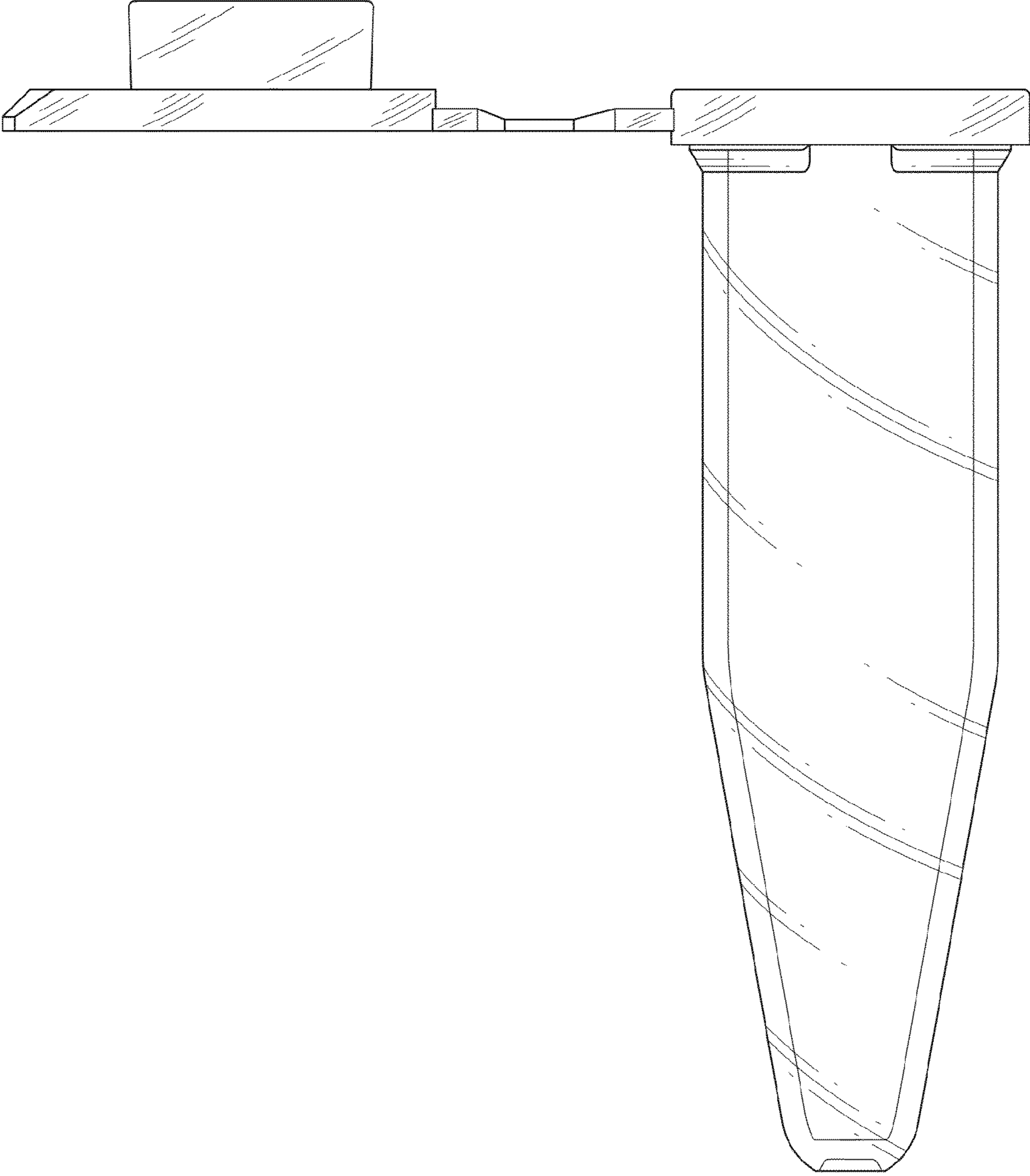


FIG. 2

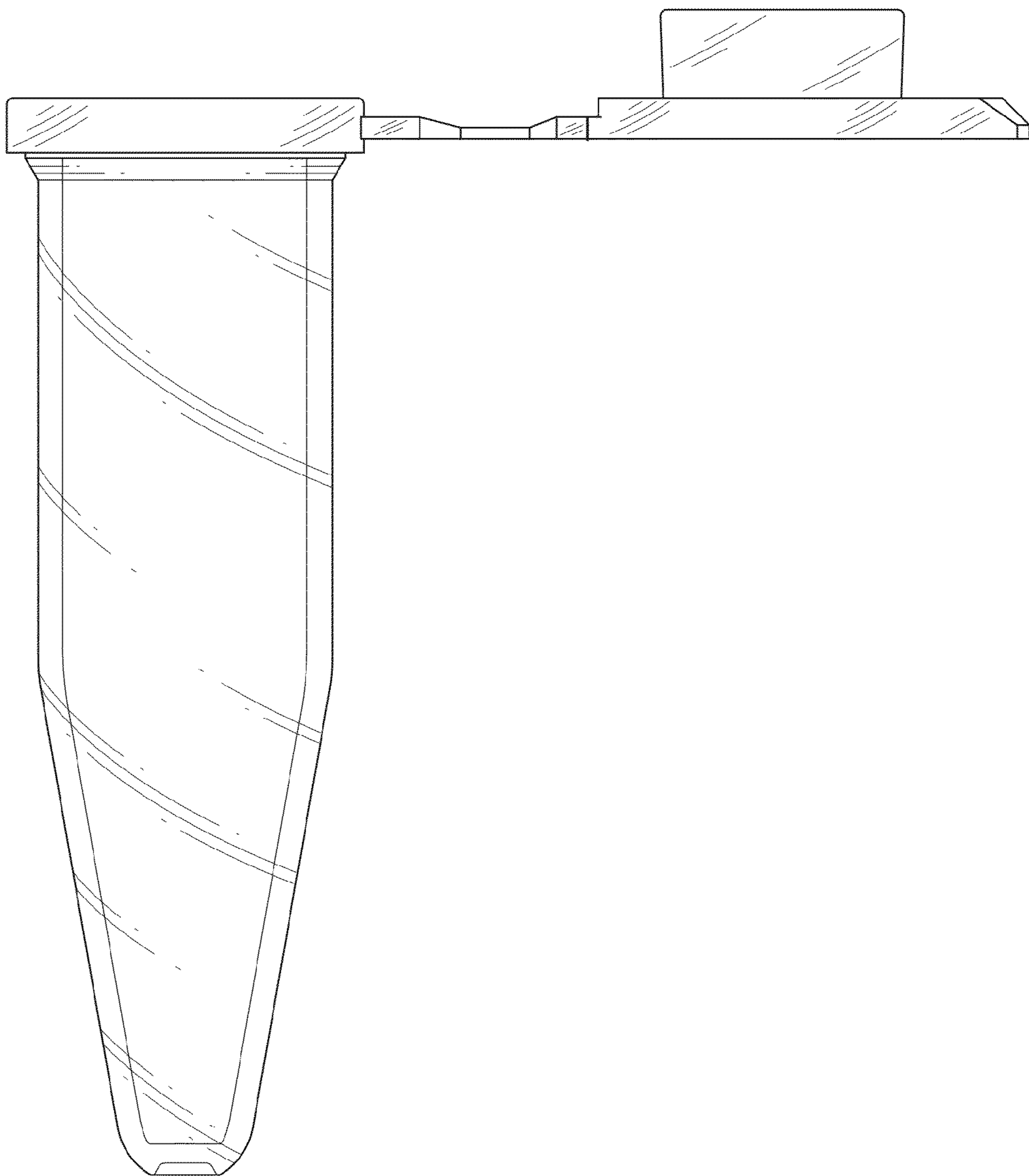


FIG. 3

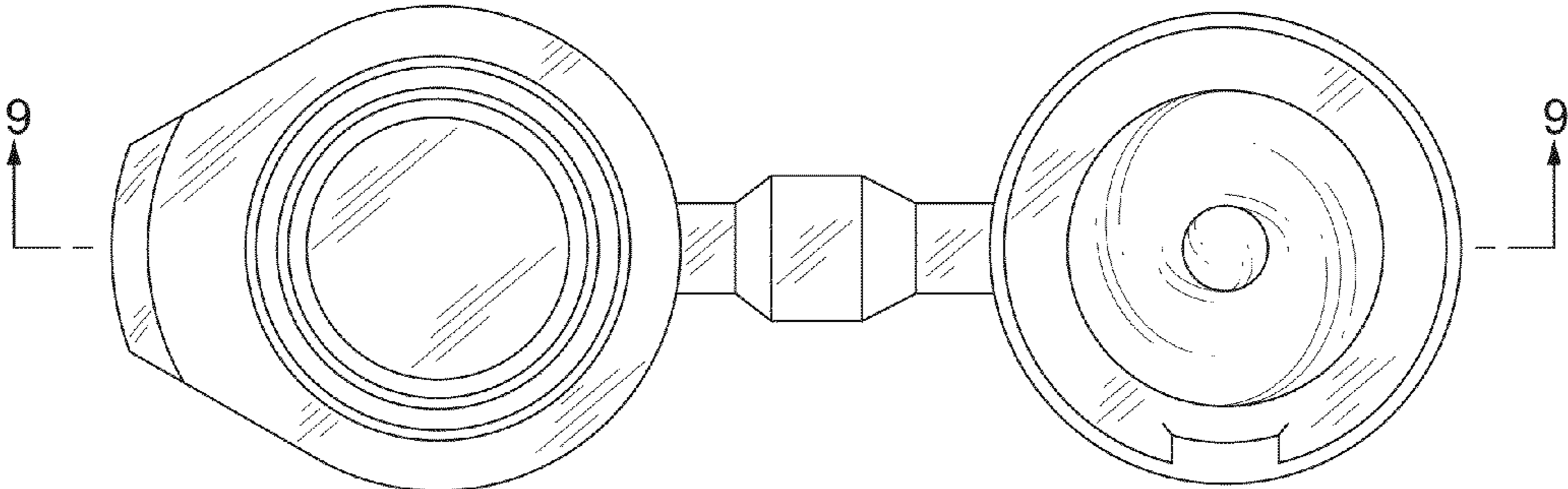


FIG. 4

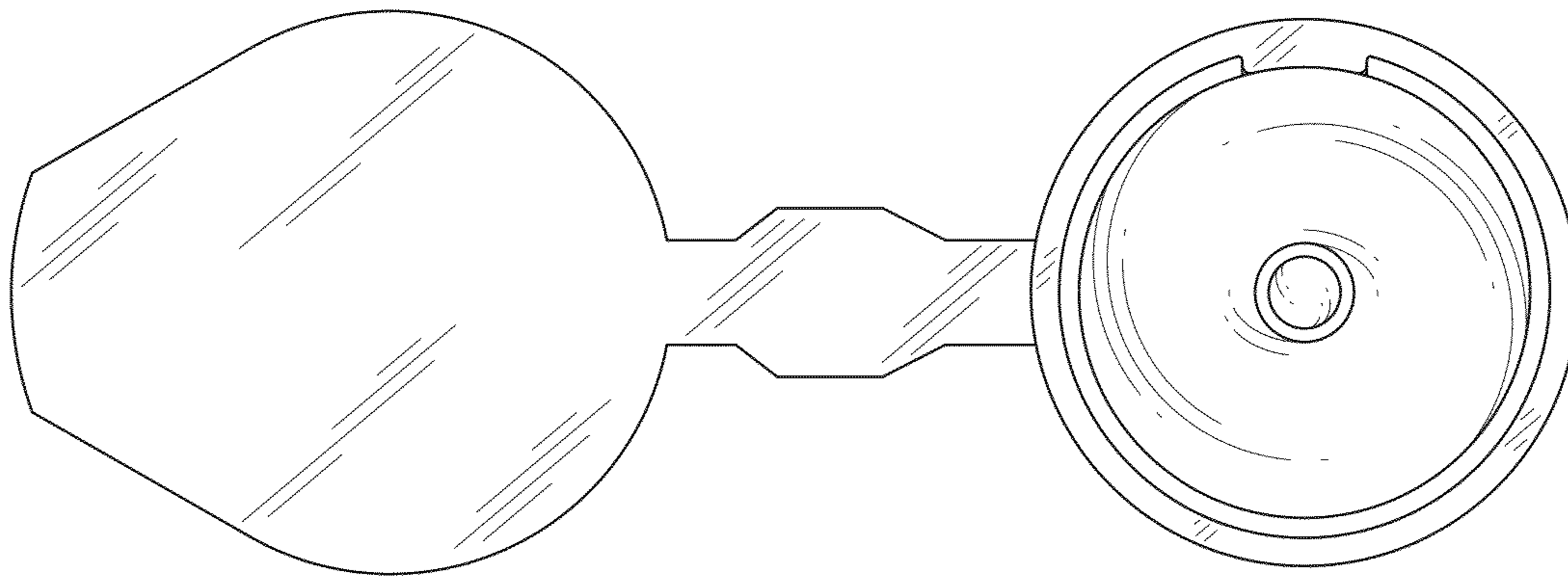


FIG. 5

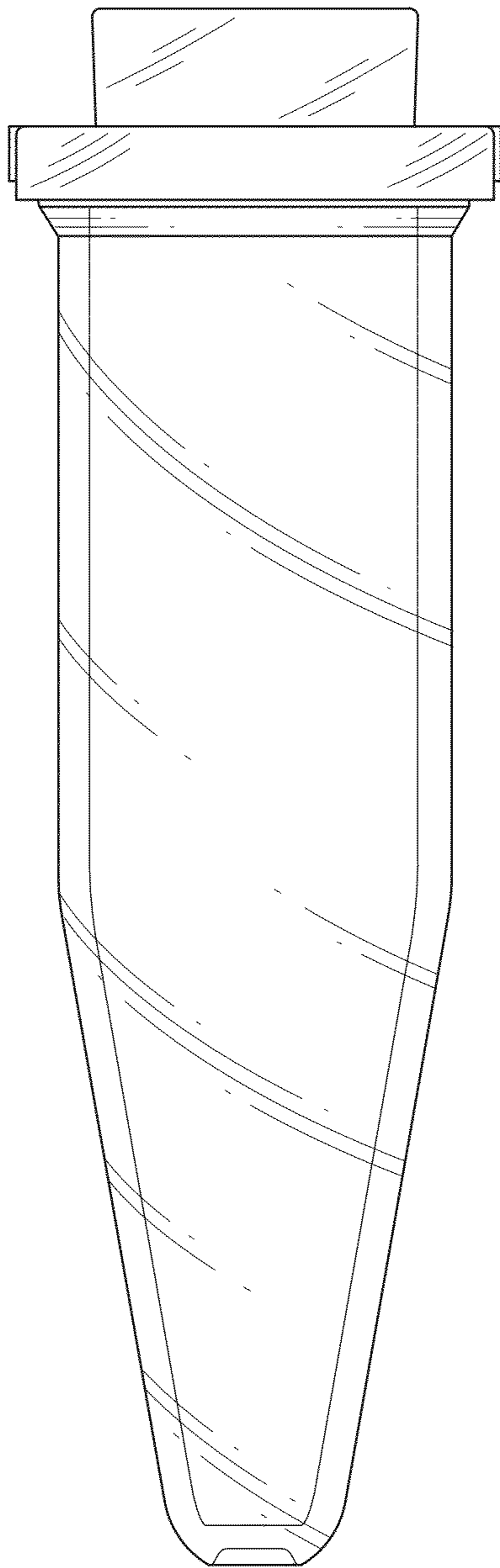


FIG. 6

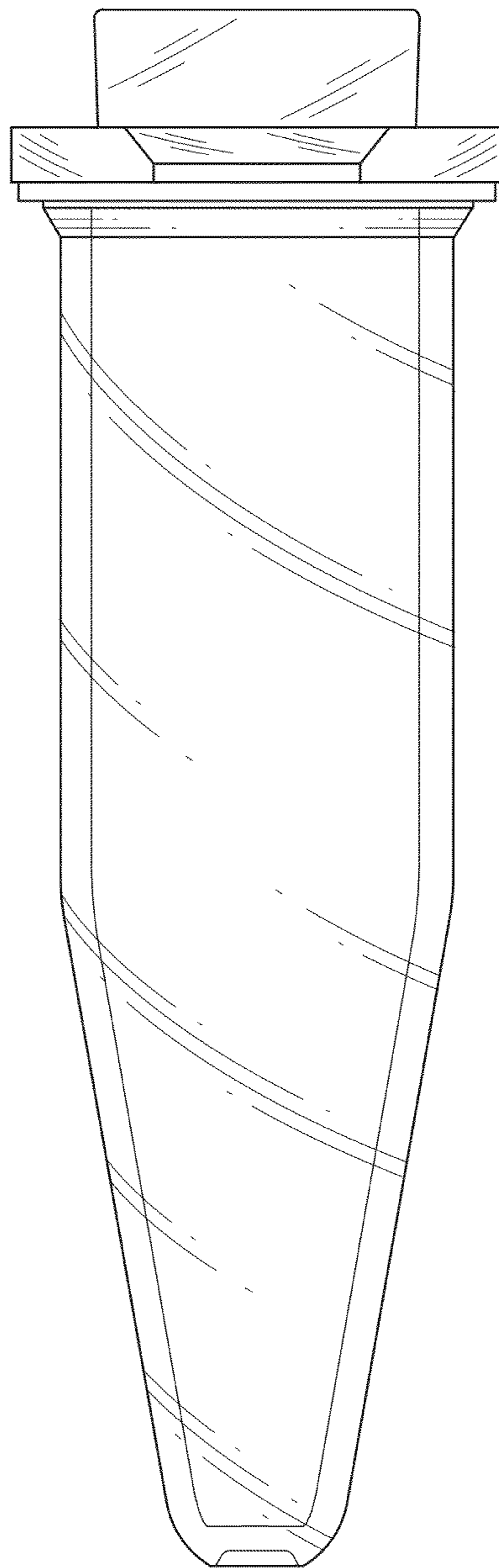


FIG. 7

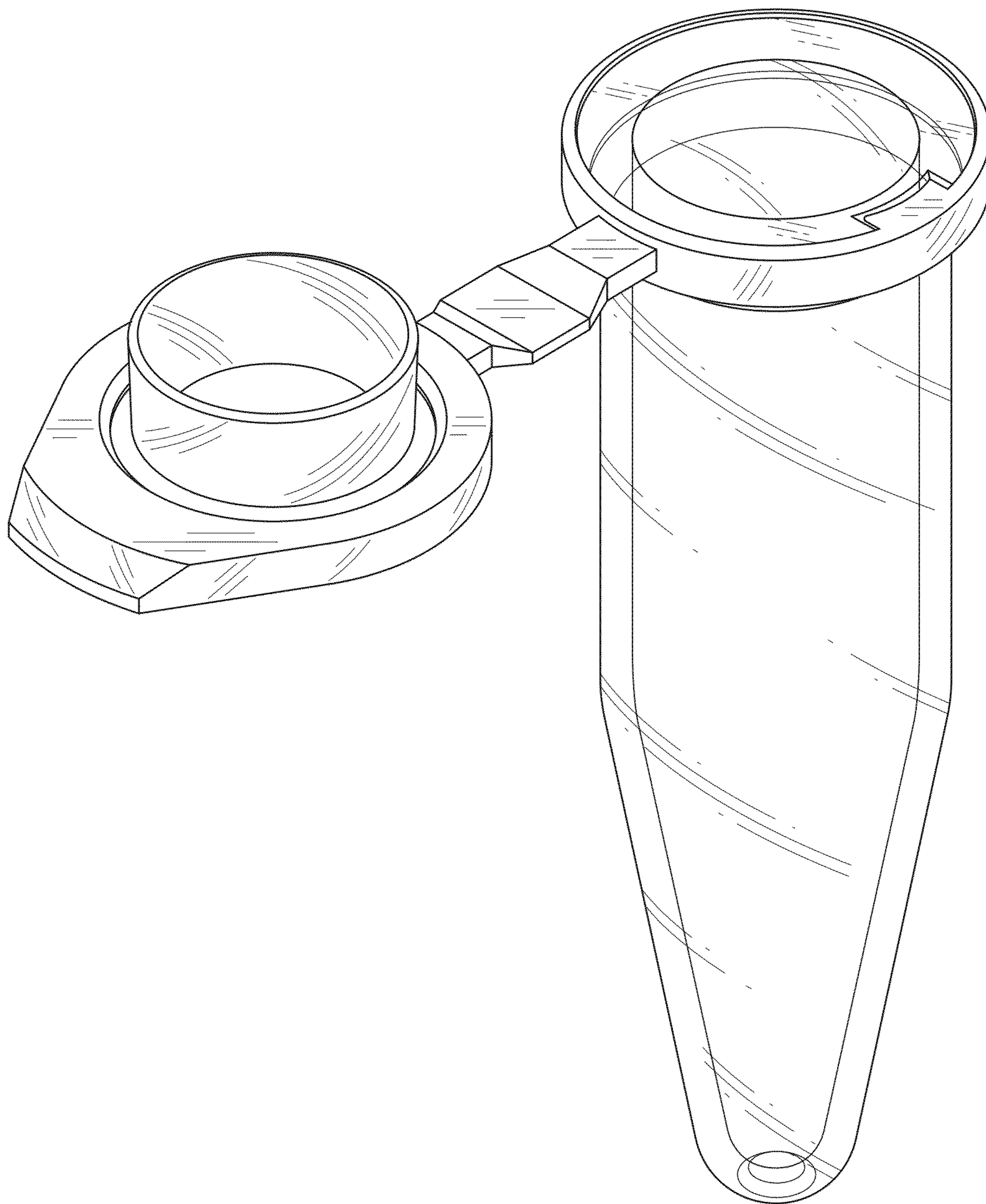


FIG. 8



FIG. 9

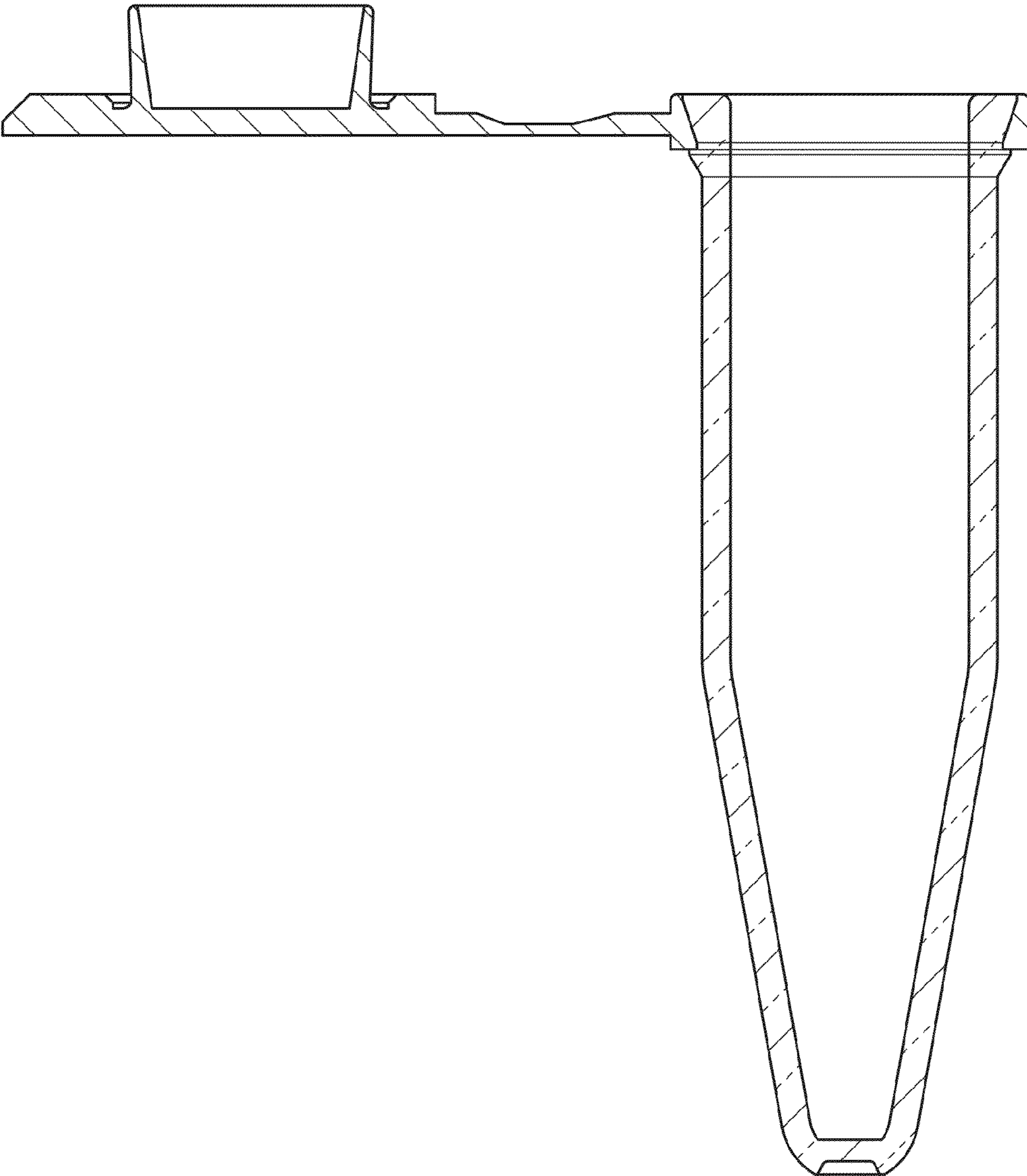


FIG. 10

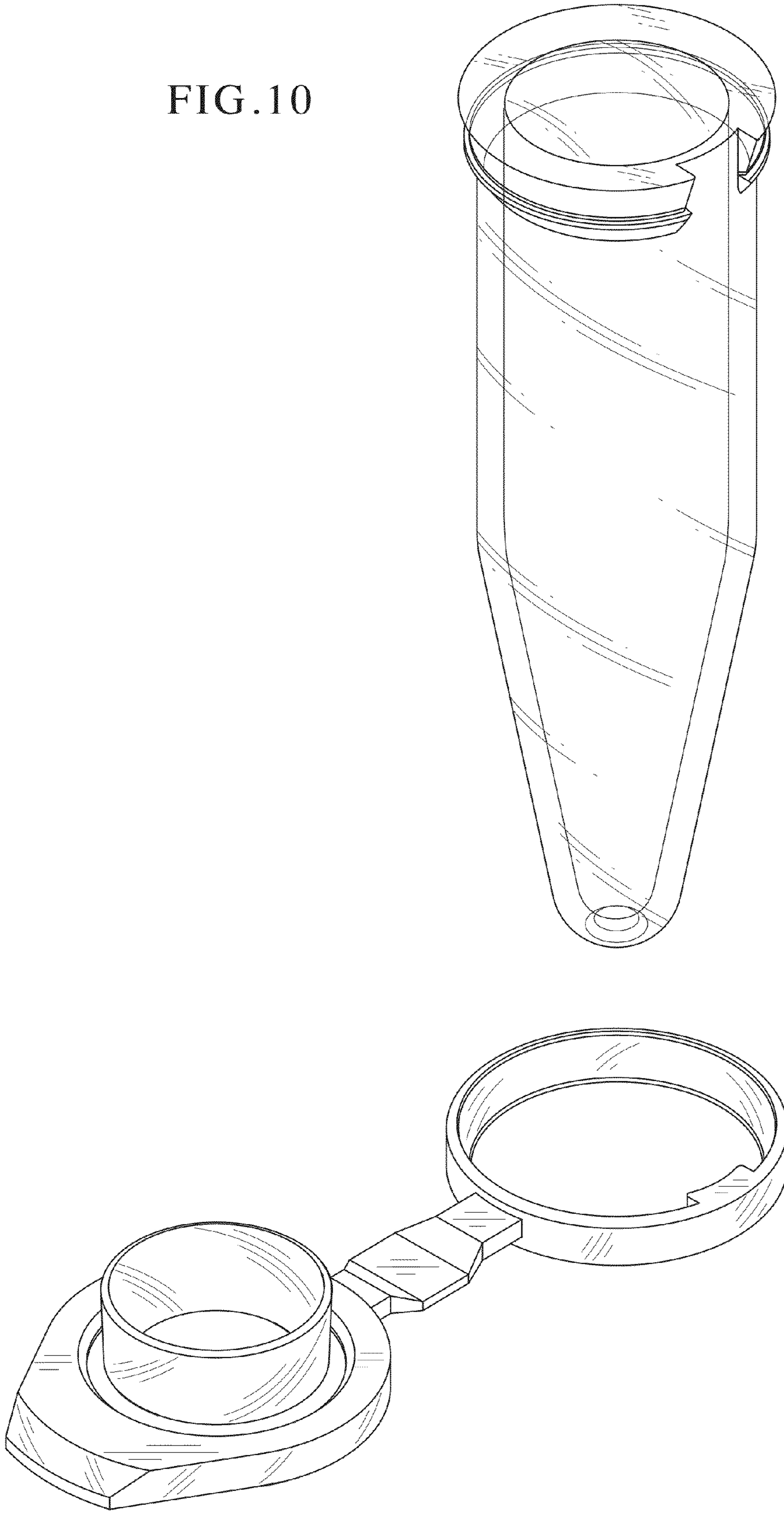


FIG. 11

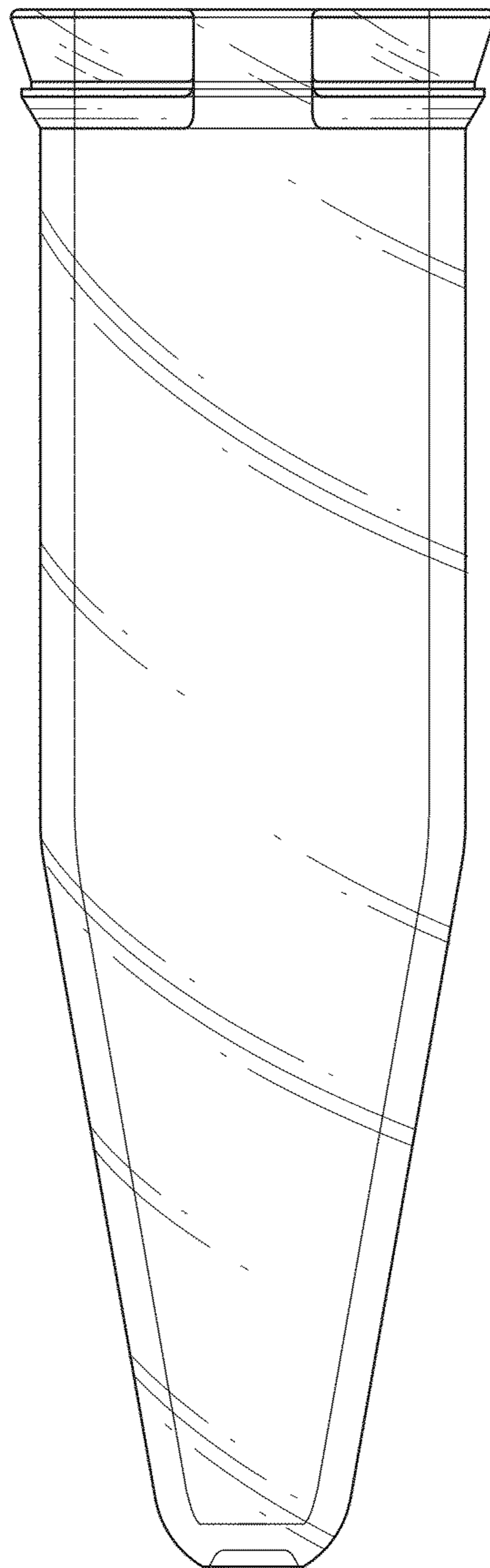


FIG. 12

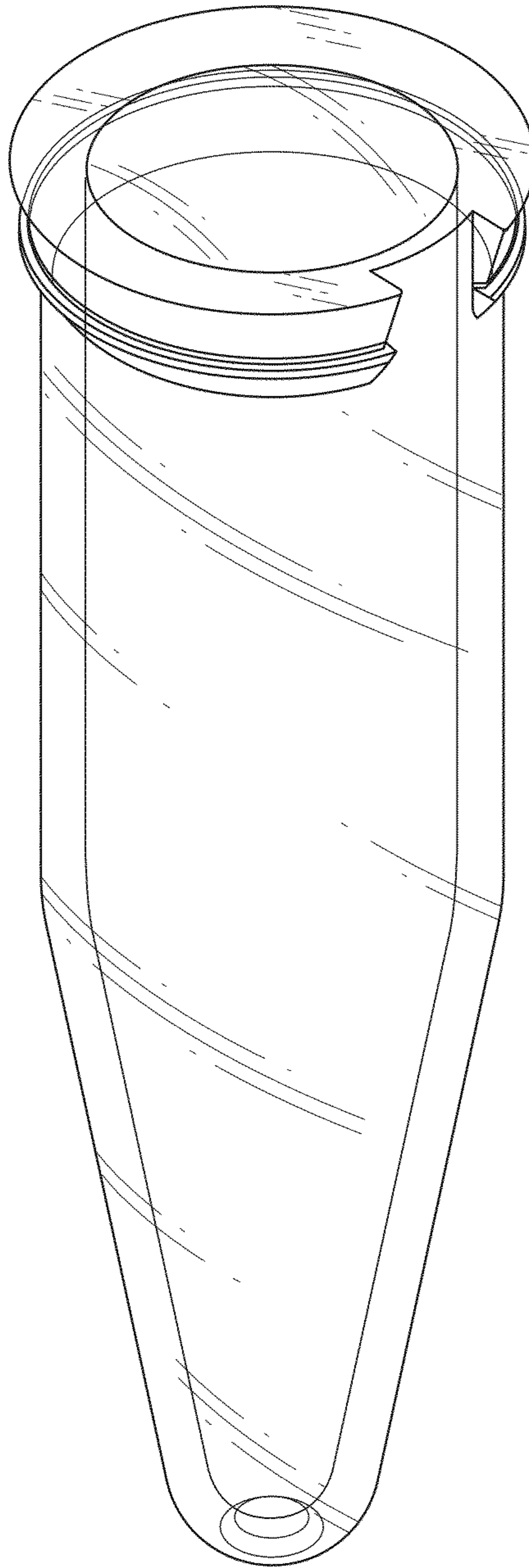


FIG. 13

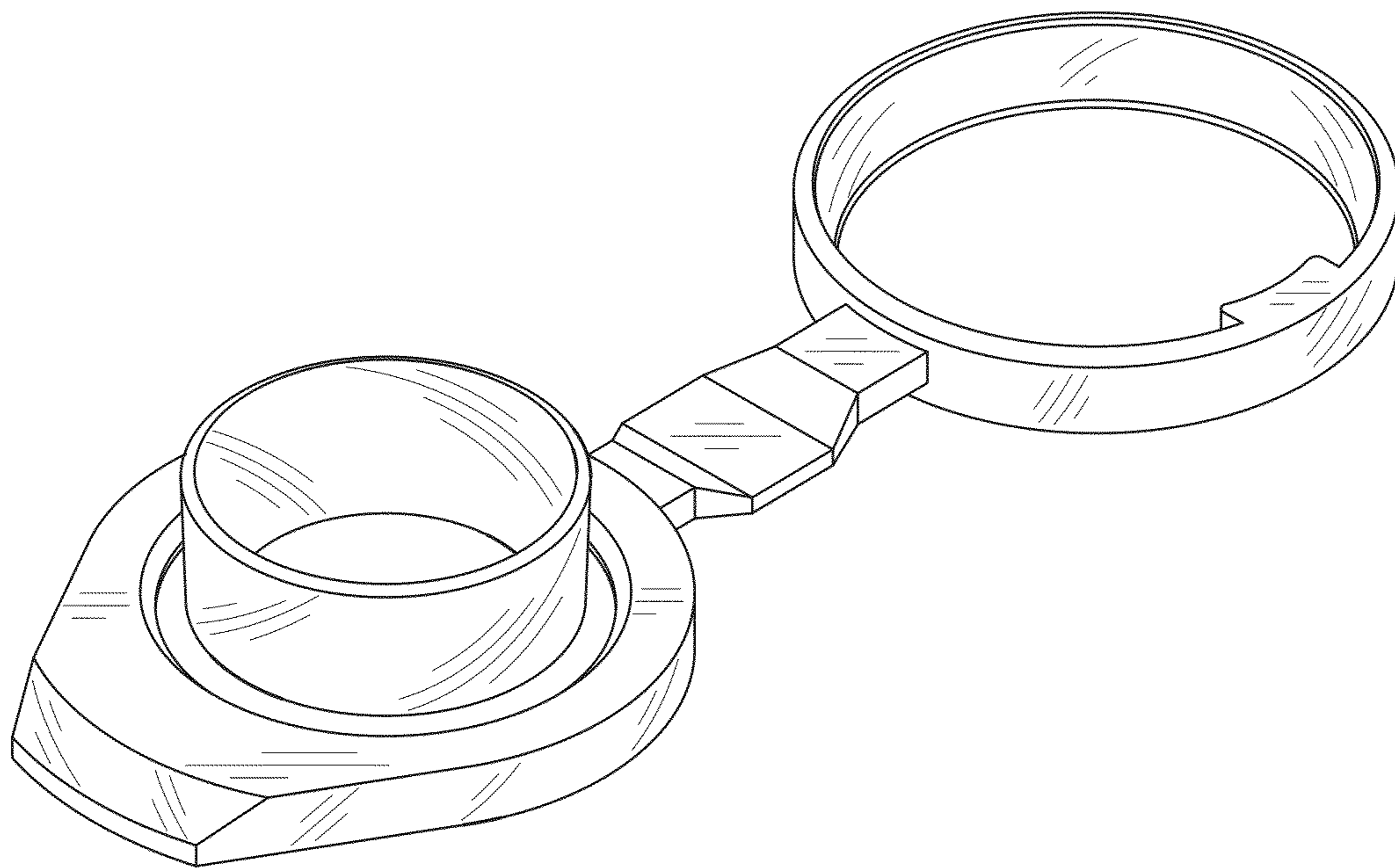


FIG. 14

