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(12) **United States Design Patent**
Swope et al.

(10) **Patent No.: US D818,507 S**
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(54) **REPLACEABLE TIP FOR A ROTATABLE CUTTING TOOL**

FOREIGN PATENT DOCUMENTS

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DE 2820642 A1 11/1978
DE 102011014569 A1 9/2011
SE 436433 12/1984

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OTHER PUBLICATIONS

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

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(21) Appl. No.: **29/595,575**

(57) **CLAIM**

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The ornamental design for a replaceable tip for a rotatable cutting tool, as shown and described.

(51) **LOC (11) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/139**

DESCRIPTION

(58) **Field of Classification Search**
USPC D8/70; D15/131, 138, 139
CPC E21B 10/38; E21B 10/56
See application file for complete search history.

FIG. 1 illustrates a perspective view of the right side of the replaceable tip of the design in accordance with the present invention.
FIG. 2 illustrates a perspective view of the left side of the replaceable tip of FIG. 1.
FIG. 3 illustrates an isometric view of the right side of the replaceable tip of FIG. 1.
FIG. 4 illustrates an isometric view of the left side of the replaceable tip of FIG. 1.
FIG. 5 illustrates a right side view of the replaceable tip of FIG. 1.
FIG. 6 illustrates a left side view of the replaceable tip of FIG. 1.
FIG. 7 illustrates a front view of the replaceable tip of FIG. 1.
FIG. 8 illustrates rear view of the replaceable tip of FIG. 1.
FIG. 9 illustrates a top view of the replaceable tip of FIG. 1; and,
FIG. 10 illustrates a bottom view of the replaceable tip of FIG. 1.

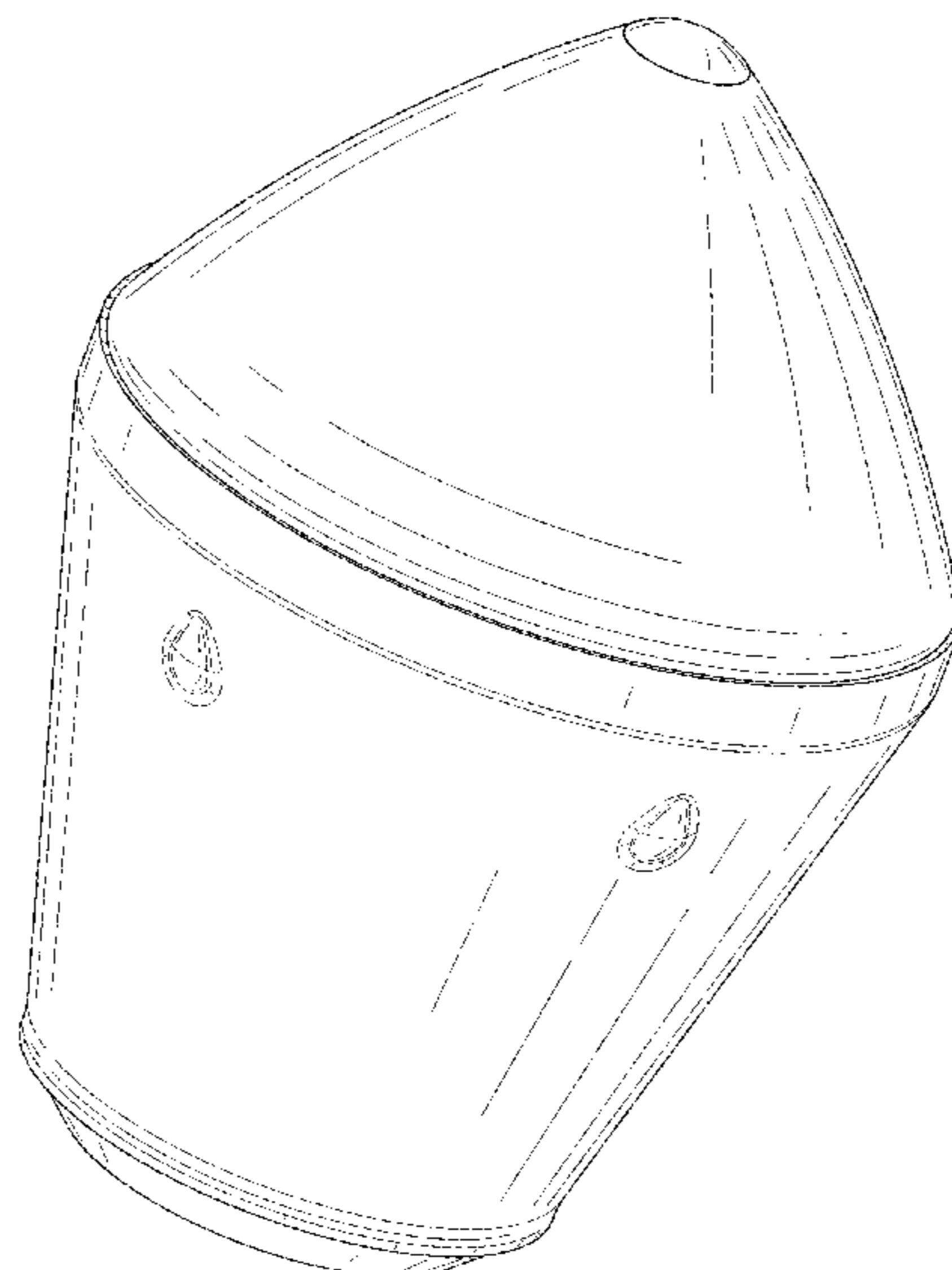
(56) **References Cited**

U.S. PATENT DOCUMENTS

3,788,409 A * 1/1974 Curington E21B 10/38
175/418
4,607,712 A * 8/1986 Larsson E21B 10/56
175/426
4,705,124 A * 11/1987 Abrahamson B21K 5/02
175/426
4,811,801 A * 3/1989 Salesky B22F 7/06
175/374
4,865,392 A 9/1989 Penkunas
4,938,538 A * 7/1990 Larsson B28D 1/186
299/111
4,981,328 A * 1/1991 Stiffler E21B 10/56
299/111
5,159,857 A * 11/1992 Jurewicz B22F 7/06
76/108.2

(Continued)

1 Claim, 10 Drawing Sheets



US D818,507 S

Page 2

(56)

References Cited

U.S. PATENT DOCUMENTS

5,161,859	A *	11/1992	Larsson	B28D 1/188 299/111		
5,172,777	A *	12/1992	Siracki	E21B 10/16 175/374		
5,219,209	A	6/1993	Prizzi			
5,273,125	A *	12/1993	Jurewicz	B22F 7/06 175/420.2		
5,551,760	A	9/1996	Sollami			
5,588,497	A *	12/1996	Thorburn	E21B 10/56 175/413		
5,702,160	A	12/1997	Levankovskii			
5,845,547	A *	12/1998	Sollami	E21B 10/56 175/420.1		
5,881,828	A *	3/1999	Fischer	E21B 10/56 175/374		
6,199,451	B1 *	3/2001	Sollami	E21B 10/56 175/426		
6,199,956	B1	3/2001	Kammerer			
6,270,165	B1	8/2001	Peay			
					6,375,272 B1 6,592,304 B1 *	4/2002 Ojanen 7/2003 Kammerer
						B22F 7/06 403/268
					D574,403 S *	8/2008 Brady
					D611,512 S *	3/2010 Sundin
					D611,970 S *	3/2010 Sundin
					7,837,277 B2	11/2010 Weaver
					D705,827 S *	5/2014 Hammargren
					2002/0066600 A1	6/2002 Dvorachek
					2003/0193235 A1	10/2003 Sollami
					2005/0000317 A1 *	1/2005 Liang
						B22F 3/156 75/241
					2010/0018776 A1	1/2010 Keller
					2010/0275425 A1 *	11/2010 Hall
						B23P 6/00 29/402.06
					2013/0048387 A1 *	2/2013 Stenberg
						E21B 10/36 175/420.1
					2013/0199693 A1	8/2013 Tank
					2014/0054951 A1	2/2014 Bookhamer
					2014/0361601 A1 *	12/2014 Bush
						E21B 10/56 299/105

* cited by examiner

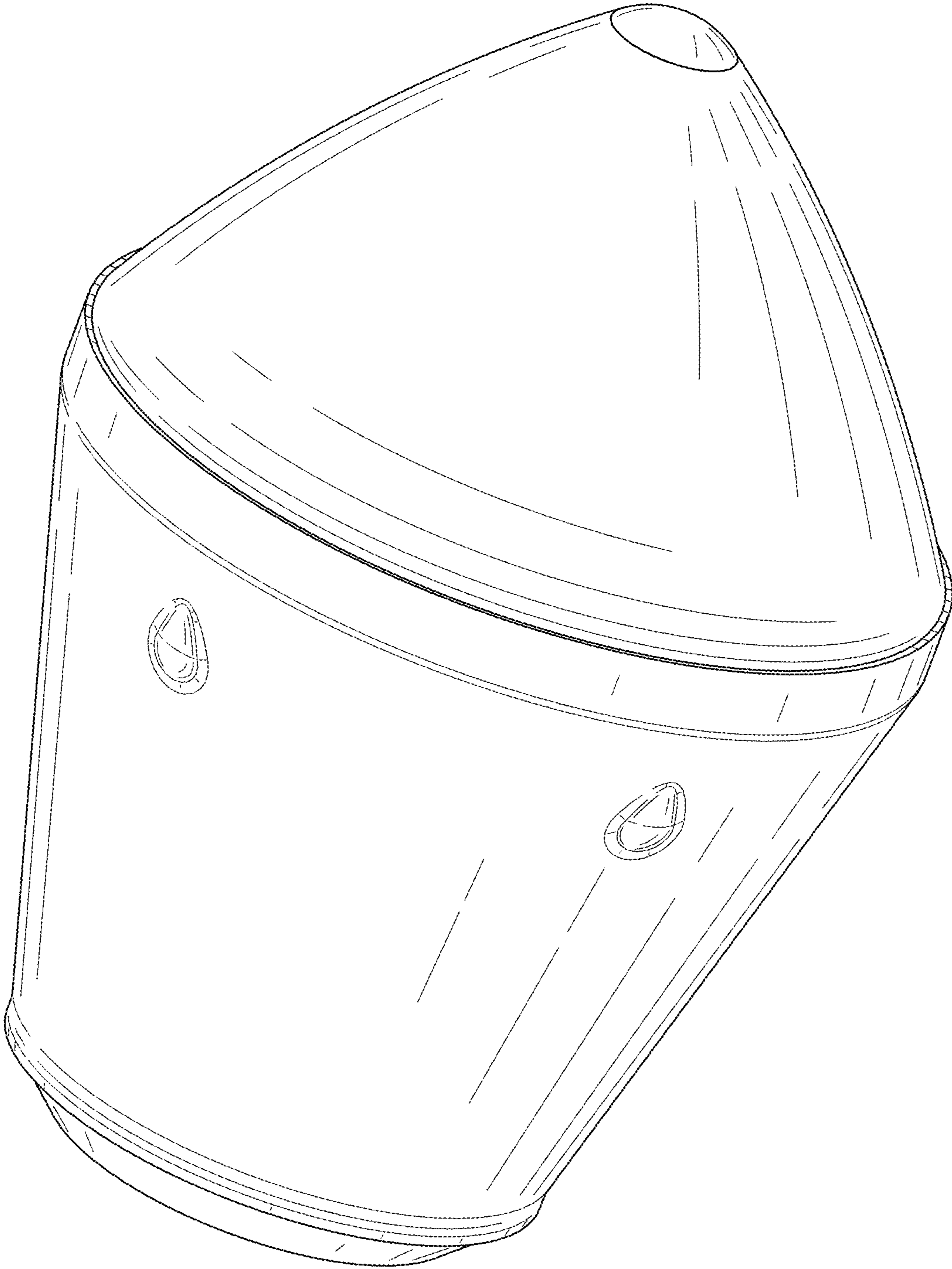


FIG. 1

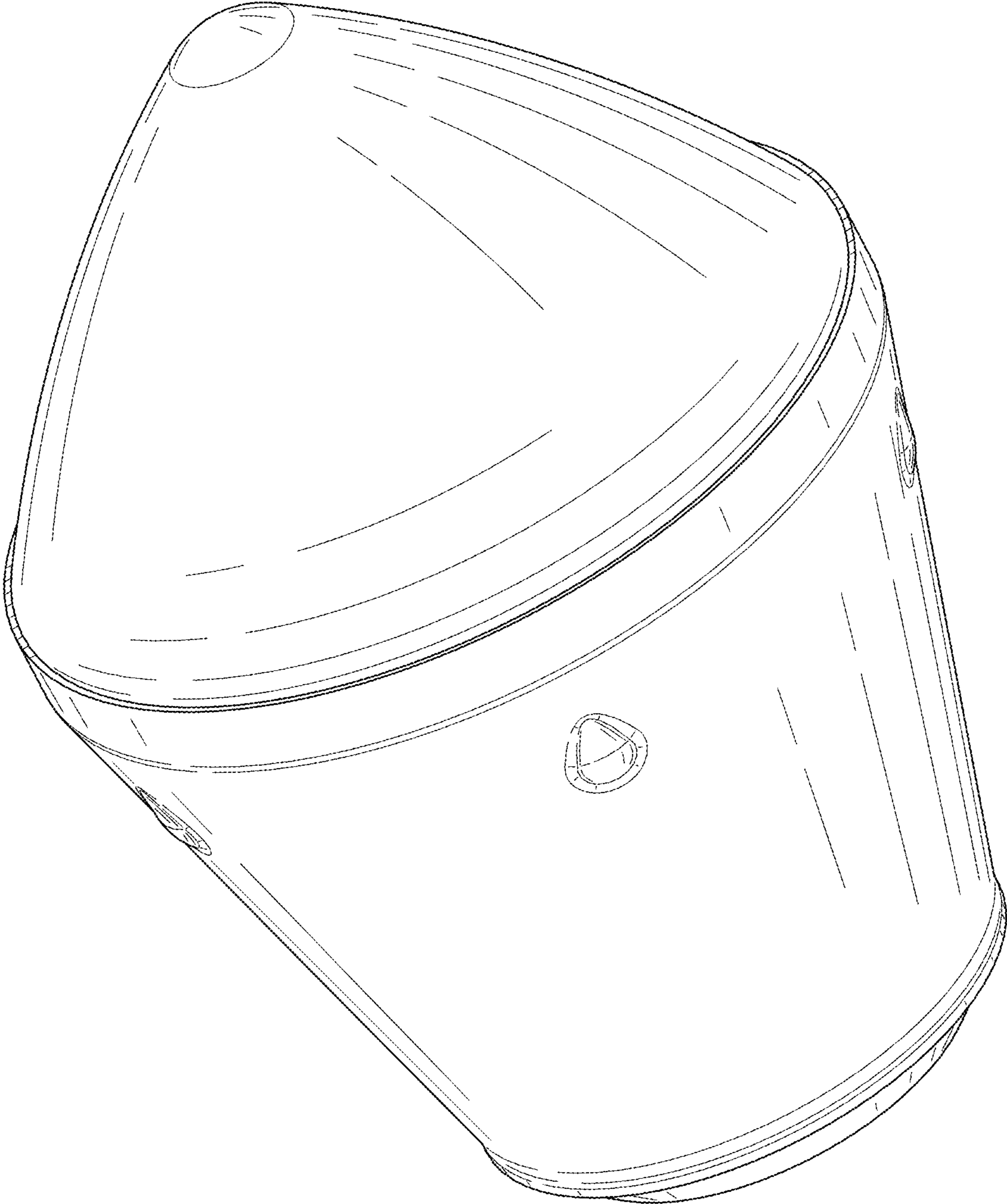


FIG. 2

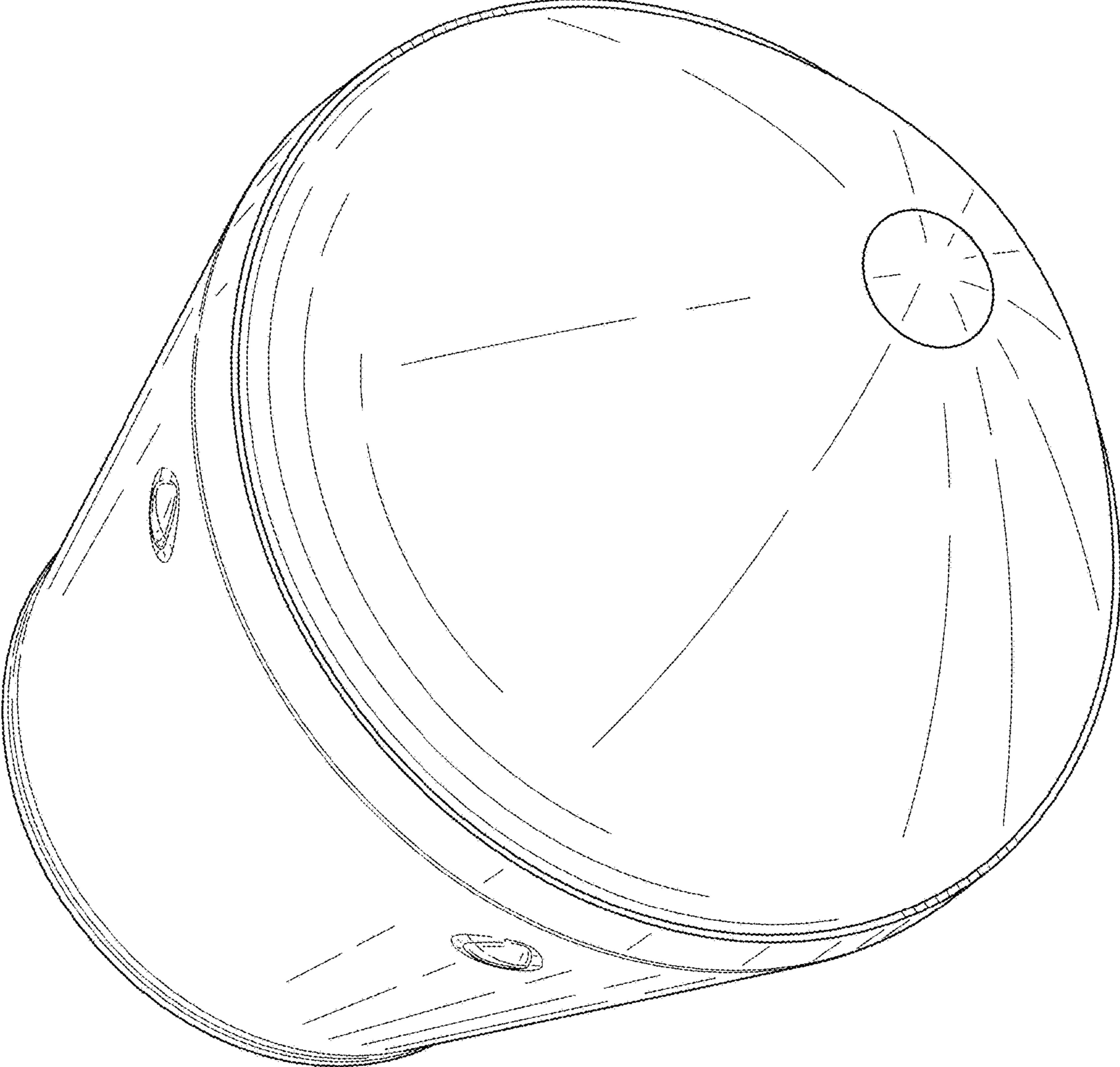


FIG. 3

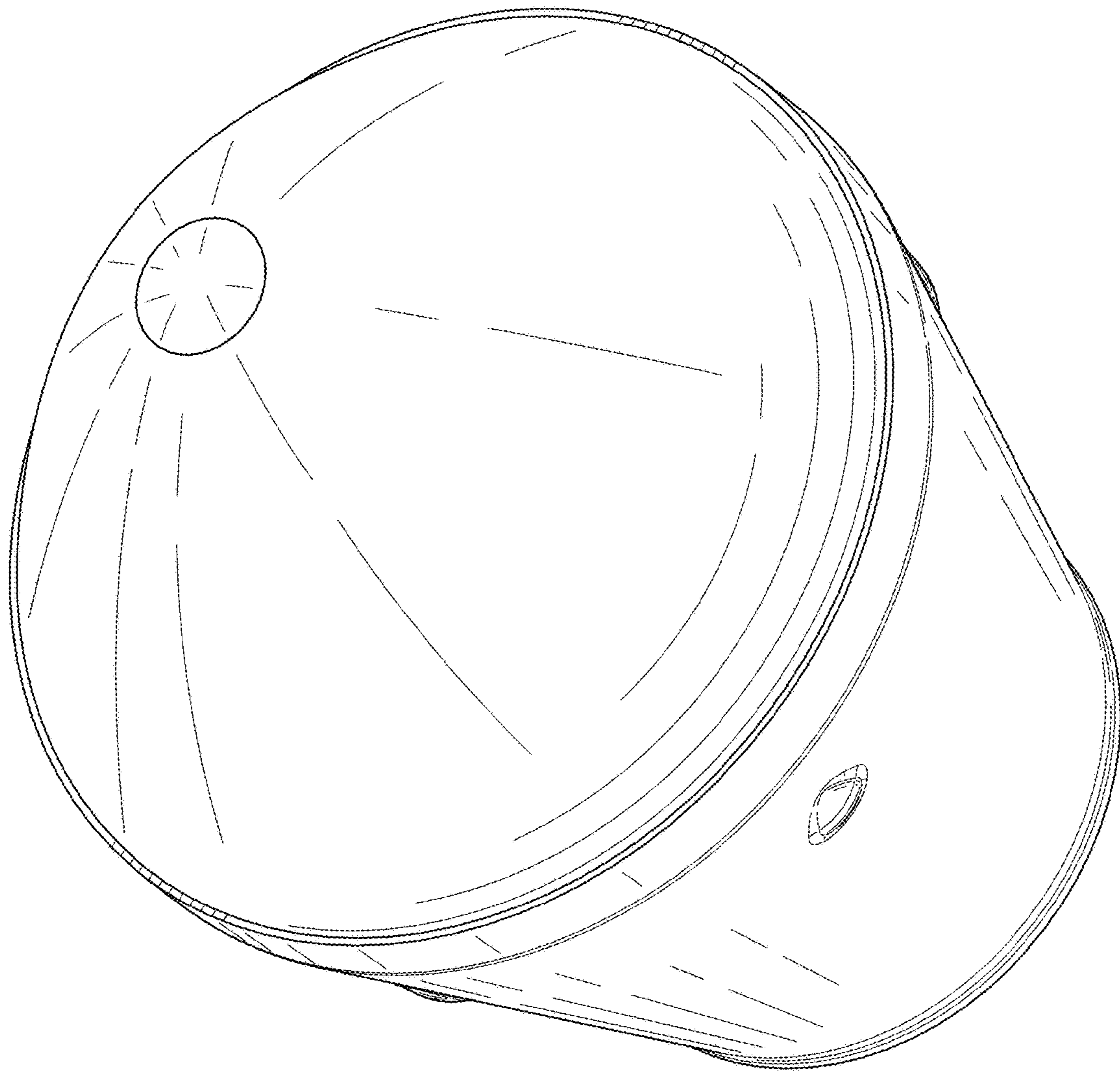


FIG. 4

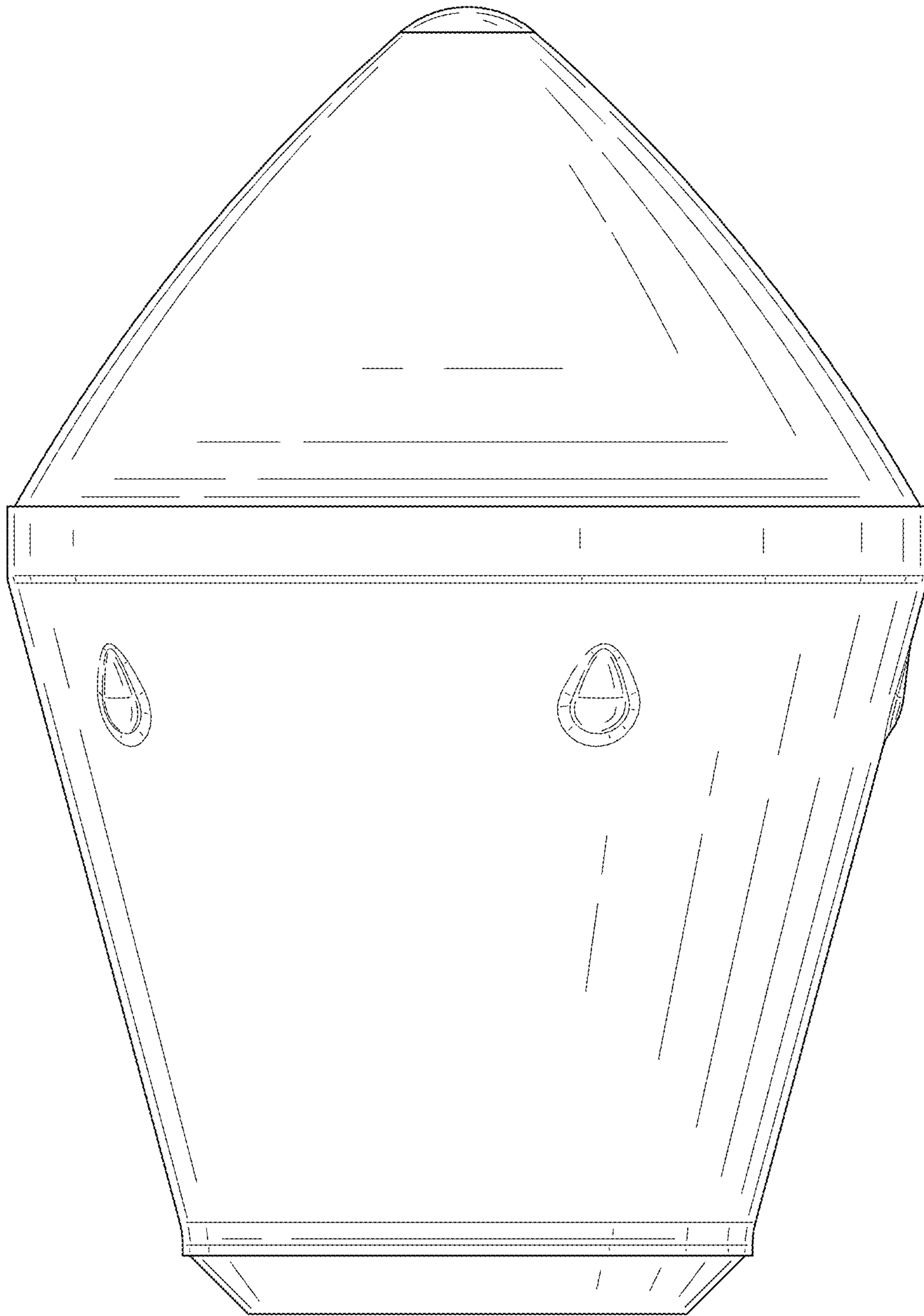


FIG. 5

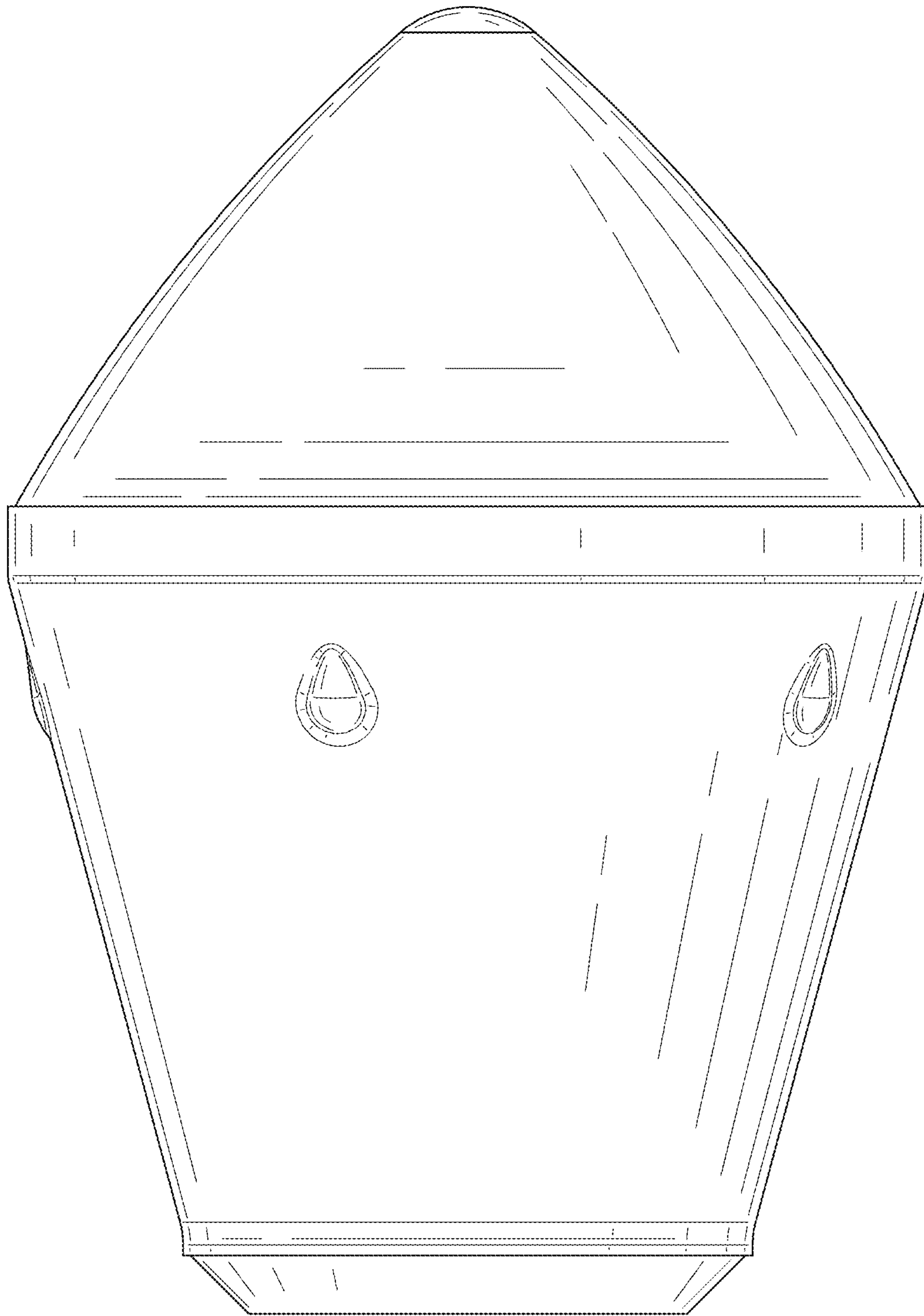


FIG. 6

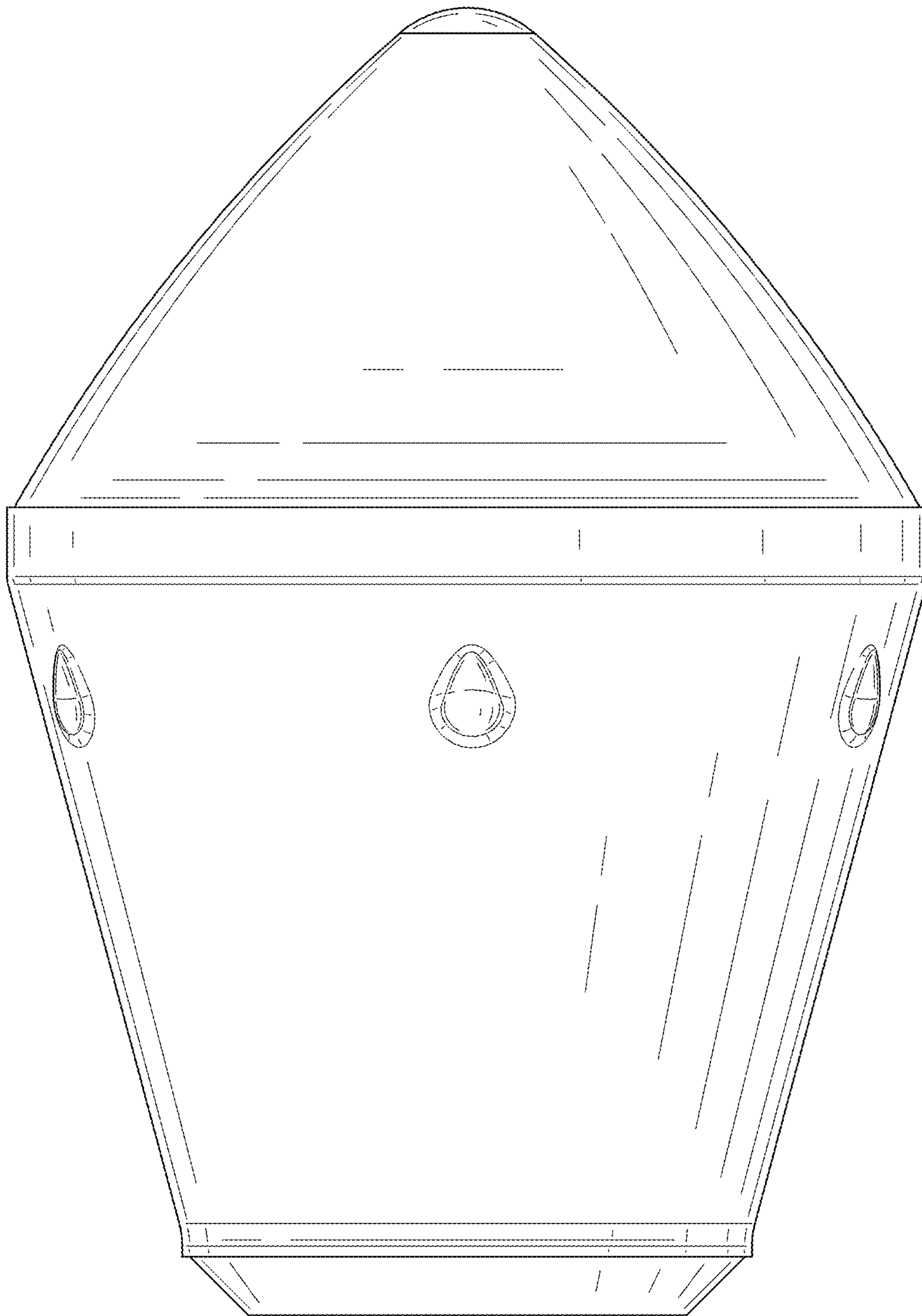


FIG. 7

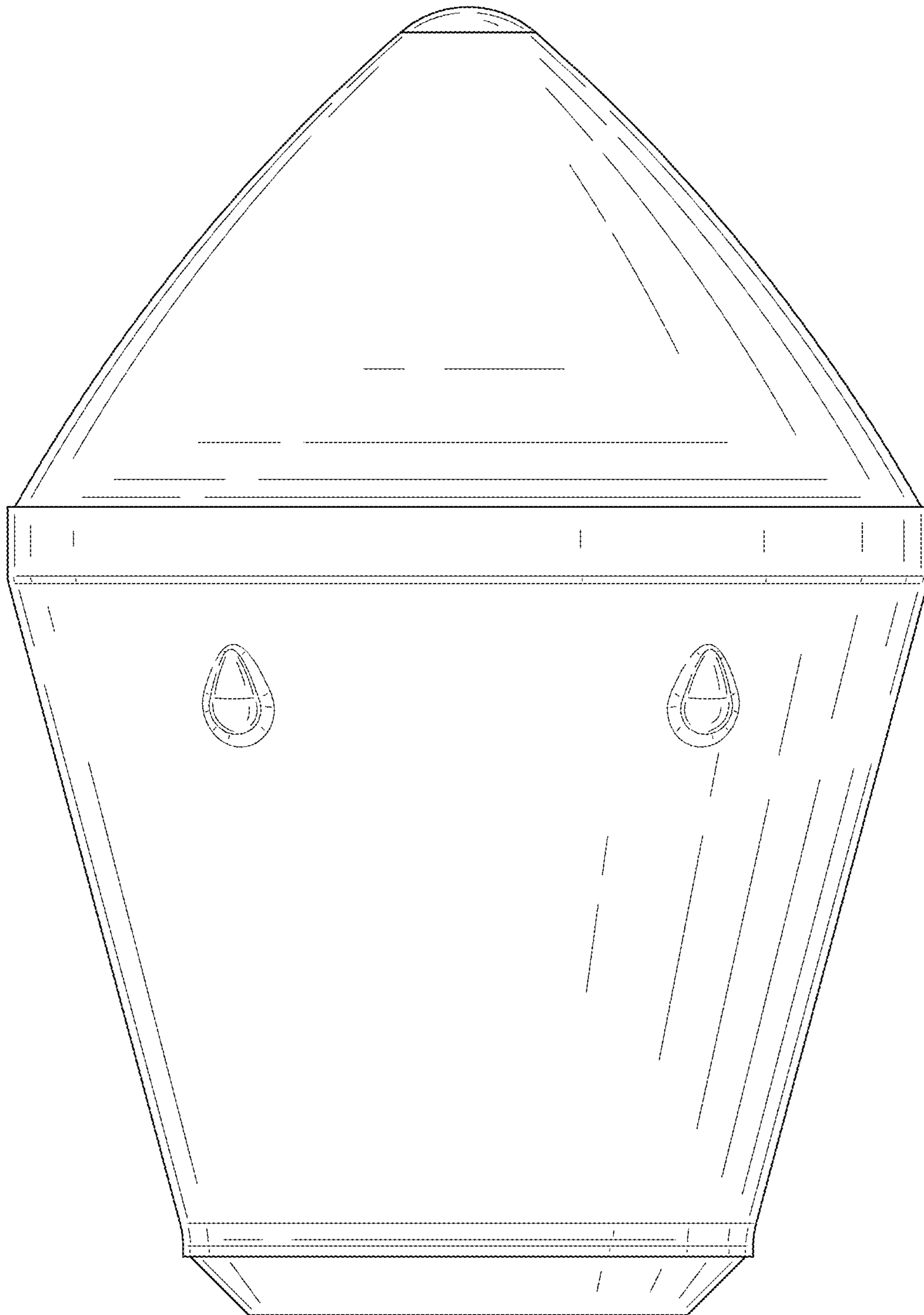


FIG. 8

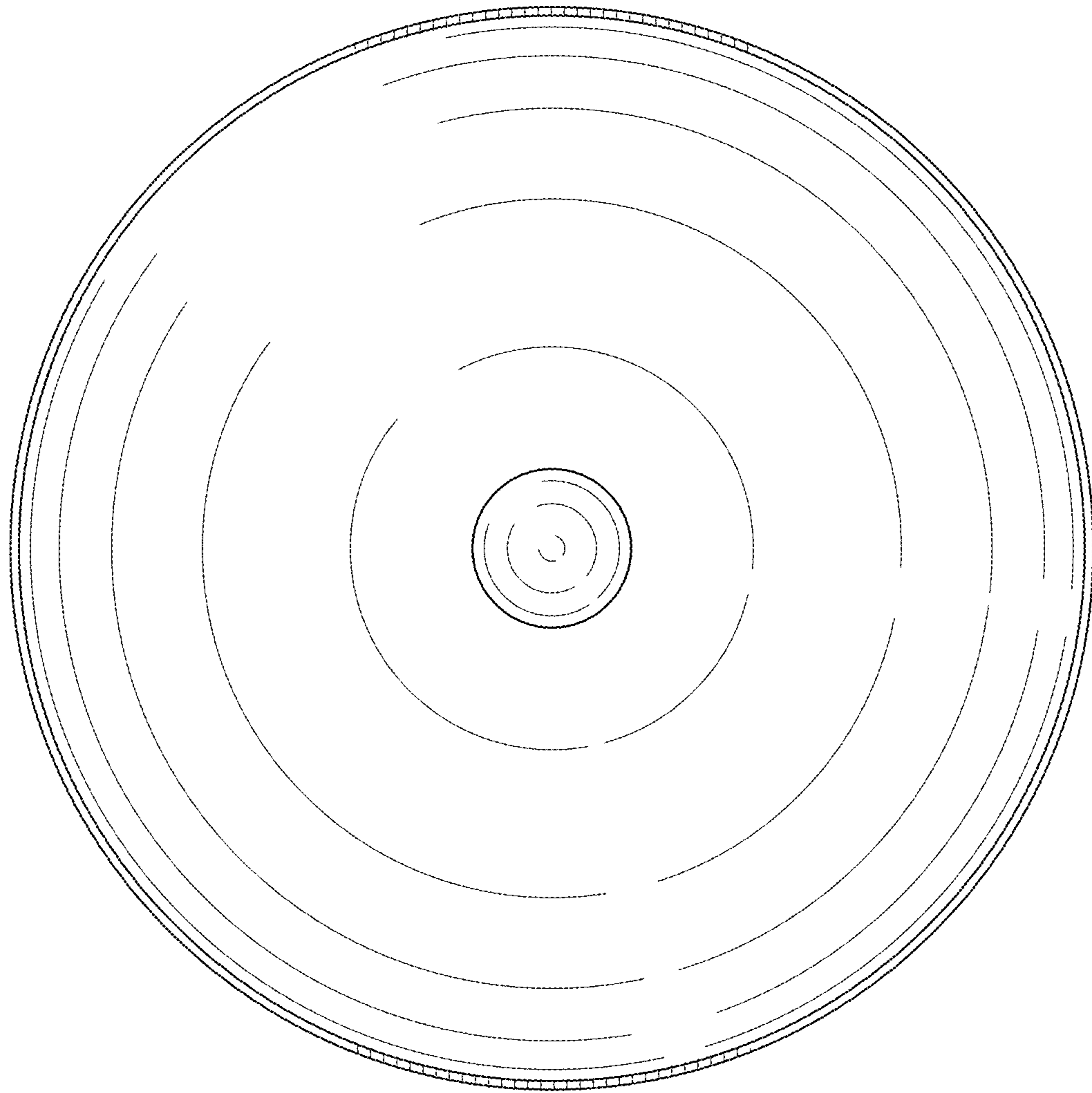


FIG. 9

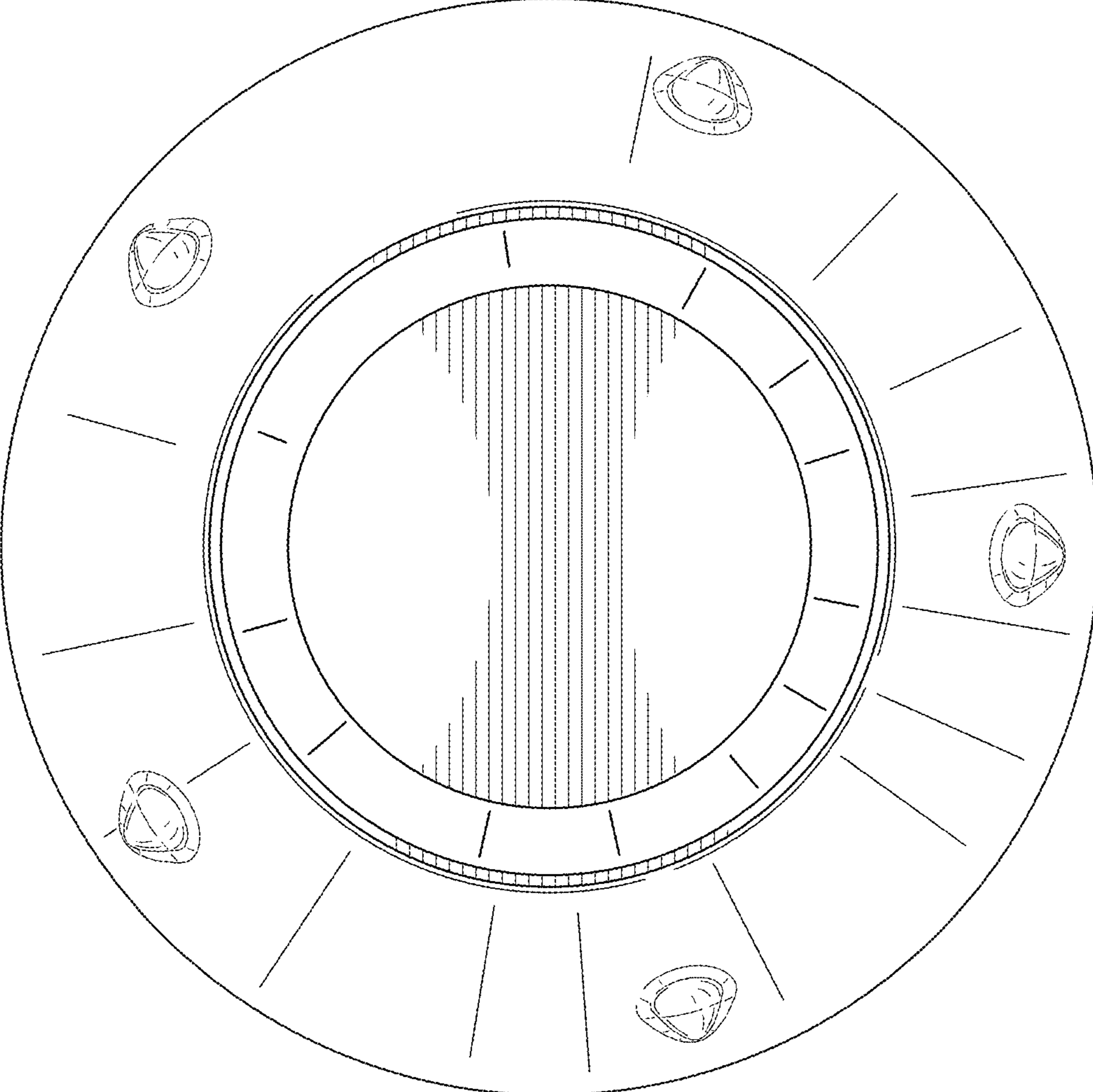


FIG. 10