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(12) United States Design Patent

Radl et al.

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(54) **LENS**

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

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(51) **LOC (10) Cl.** **26-99**

(52) **U.S. Cl.**
USPC **D26/120**

(58) **Field of Classification Search**
USPC D26/9, 10, 12, 13, 15, 16, 24, 51, 61, D26/72, 76, 80, 81, 85, 86, 88, 90, 113, 118, D26/119, 120, 122, 128, 129, 138, 143, D26/144; D13/180
CPC F21V 21/02; F21V 29/004; F21V 21/04; F21V 29/2212; F21S 8/026; F21S 8/04; F21Y 2101/02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,357,034 A * 10/1920 D'Humy 362/290
1,555,397 A * 9/1925 Dean et al. 362/354

(Continued)

FOREIGN PATENT DOCUMENTS

FR 2812071 A1 * 1/2002 ..... F21S 8/10

OTHER PUBLICATIONS

Fresnel lens, image post date 1823, site visited Jan. 20, 2015, (online), <http://www.adena.co.nz/theatre/tech-reference/how-things-work/luminaire-fresnel/fresnel-spots.htm>.*

(Continued)

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(57) **CLAIM**

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

DESCRIPTION

FIG. **1** is a perspective view of a first embodiment of the ornamental design for the lens.

FIG. **2** is a top view of the first embodiment of the ornamental design for the lens.

FIG. **3** is a bottom view of the first embodiment of the ornamental design for the lens.

FIG. **4** is a left side view of the first embodiment of the ornamental design for the lens.

FIG. **5** is a right side view of the first embodiment of the ornamental design for the lens.

FIG. **6** is a front view of the first embodiment of the ornamental design for the lens.

FIG. **7** is a back view of the first embodiment of the ornamental design for the lens.

FIG. **8** is another perspective view of the first embodiment of the ornamental design for the lens.

FIG. **9** is a perspective view of a second embodiment of the ornamental design for the lens.

FIG. **10** is a top view of the second embodiment of the ornamental design for the lens.

FIG. **11** is a bottom view of the second embodiment of the ornamental design for the lens.

FIG. **12** is a left side view of the second embodiment of the ornamental design for the lens.

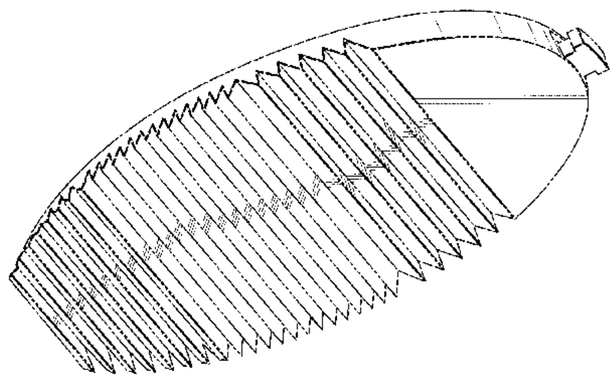
FIG. **13** is a right side view of the second embodiment of the ornamental design for the lens.

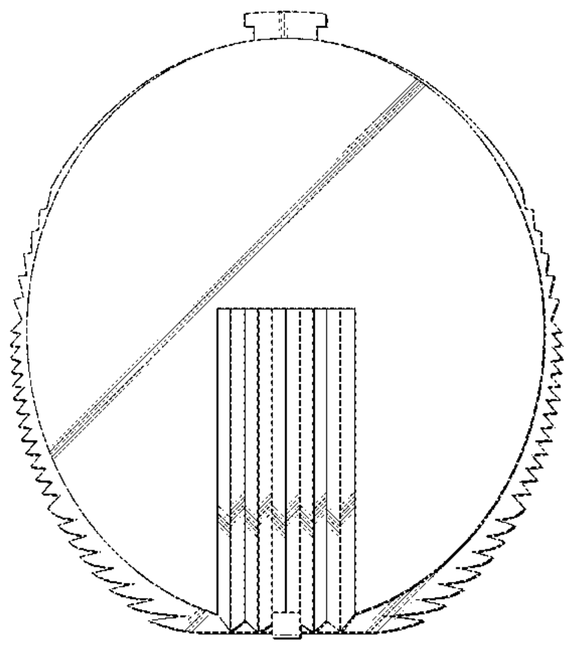
FIG. **14** is a front view of the second embodiment of the ornamental design for the lens; and,

FIG. **15** is a back view of the second embodiment of the ornamental design for the lens.

The broken-line disclosure in the views is understood to represent portions of the article in which the claimed design is embodied, but which form no part of the claimed design.

1 Claim, 9 Drawing Sheets





(56) **References Cited**

U.S. PATENT DOCUMENTS

2,748,263	A *	5/1956	Franck et al.	362/333
2,929,631	A *	3/1960	Gillon	473/240
3,522,863	A *	8/1970	Ignoffo	181/252
3,708,222	A *	1/1973	Stern	359/851
3,720,432	A *	3/1973	Chudler	292/220
3,797,915	A *	3/1974	Land et al.	359/742
3,883,733	A *	5/1975	Nagel	362/334
4,307,711	A *	12/1981	Doundoulakis	126/677
4,488,208	A *	12/1984	Miller	362/339
D297,267	S *	8/1988	Scowen	D26/122
5,247,390	A *	9/1993	Hed	359/599
5,296,882	A *	3/1994	Nelson et al.	353/63
5,317,349	A *	5/1994	Vanderwerf	353/38
6,290,374	B1 *	9/2001	Shieh et al.	362/333
6,994,456	B1	2/2006	Russo et al.	
7,529,461	B1 *	5/2009	Chen et al.	385/146
8,068,288	B1 *	11/2011	Pitou	359/743
8,167,462	B2 *	5/2012	Kim et al.	362/311.02
D666,940	S *	9/2012	Dunn	D11/184
2004/0028503	A1 *	2/2004	Charles	411/510
2004/0068262	A1 *	4/2004	Lemos et al.	606/72
2005/0194579	A1 *	9/2005	Hakim	254/209
2006/0291243	A1 *	12/2006	Niioka et al.	362/607
2007/0076435	A1 *	4/2007	Chang	362/626
2007/0147041	A1 *	6/2007	Shiratsuchi et al.	362/268
2008/0130309	A1 *	6/2008	Condon et al.	362/520
2008/0310159	A1 *	12/2008	Chinniah et al.	362/244
2009/0040769	A1 *	2/2009	Parkyn et al.	362/310
2009/0116217	A1 *	5/2009	Teng et al.	362/84
2009/0161372	A1 *	6/2009	Fay et al.	362/382
2009/0273933	A1 *	11/2009	Woodward et al.	362/297
2009/0279306	A1 *	11/2009	Wang et al.	362/307
2009/0279311	A1 *	11/2009	Yu et al.	362/310
2010/0061090	A1 *	3/2010	Bergman et al.	362/231
2010/0061105	A1 *	3/2010	Shyu et al.	362/311.02
2010/0178046	A1 *	7/2010	Moon et al.	396/155
2011/0031864	A1 *	2/2011	Rebergen	313/11
2011/0228403	A1 *	9/2011	Masuda et al.	359/630
2012/0051058	A1 *	3/2012	Sharma et al.	362/294
2012/0119638	A1 *	5/2012	Sato et al.	313/46
2012/0126268	A1 *	5/2012	Seo et al.	257/98
2012/0140483	A1 *	6/2012	Chang	362/309
2012/0217897	A1 *	8/2012	Gordin et al.	315/294
2013/0060337	A1 *	3/2013	Petersheim et al.	623/17.16
2013/0176722	A1 *	7/2013	Lay et al.	362/231
2013/0242568	A1 *	9/2013	Asai	362/311.06
2014/0043846	A1 *	2/2014	Yang et al.	362/606
2014/0049939	A1 *	2/2014	Kuenzler et al.	362/84
2014/0204592	A1 *	7/2014	Miyashita et al.	362/311.06
2014/0247331	A1 *	9/2014	Hofmann et al.	348/62
2014/0369031	A1 *	12/2014	Livesay et al.	362/147

OTHER PUBLICATIONS

Moiré Diffractive Optical Element, image post date Jun. 25, 2012, site visited Jan. 20, 2015, (online), <https://www.i-med.ac.at/dpmp/bmp/research/patents/MDOEs.html>.*

1937 Pontiac 6 lenses, image post date 1937, site visited Jan. 20, 2015, (online), <http://www.caroholic.com/37_pontiac.htm>.*

* cited by examiner

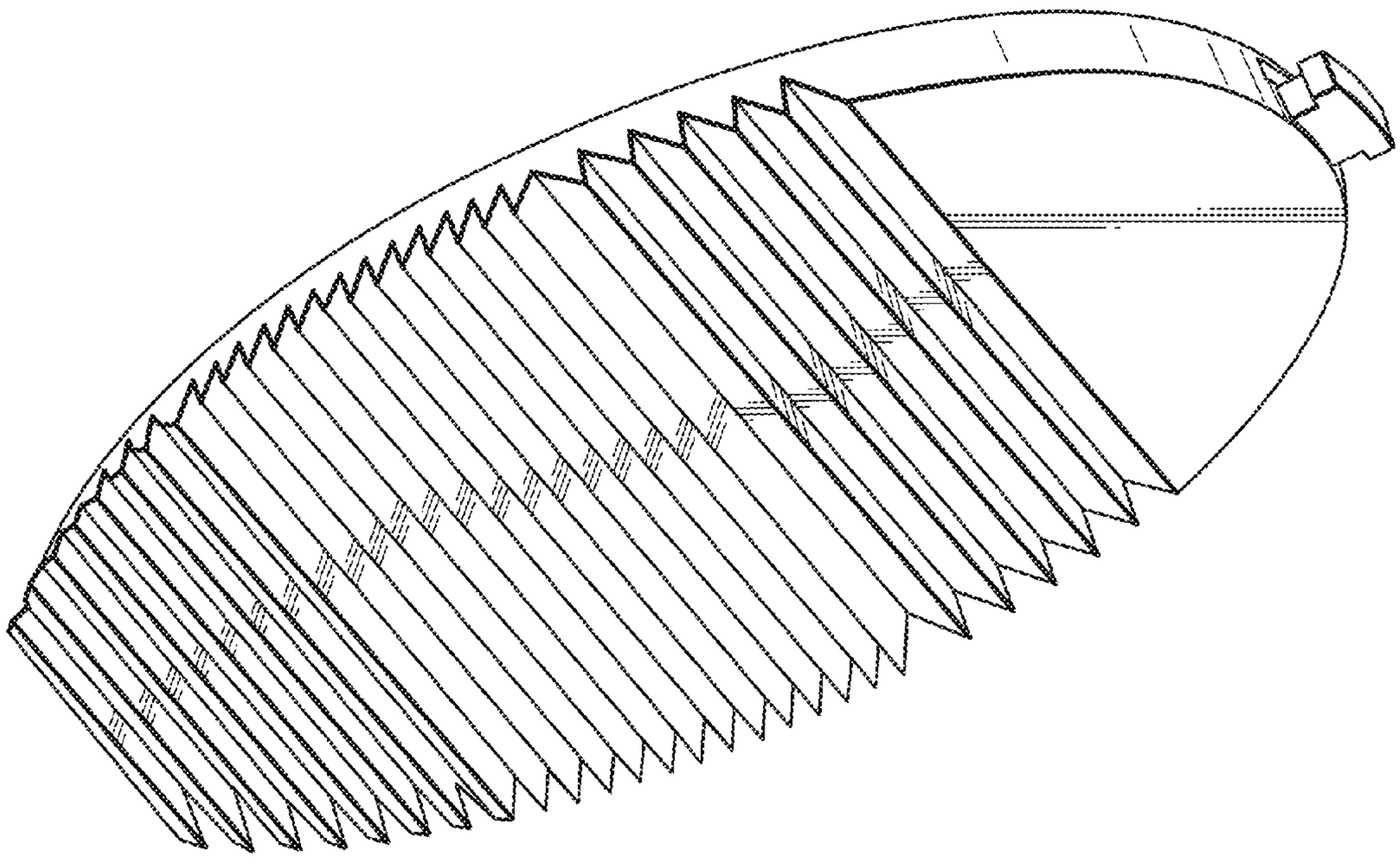


FIG. 1

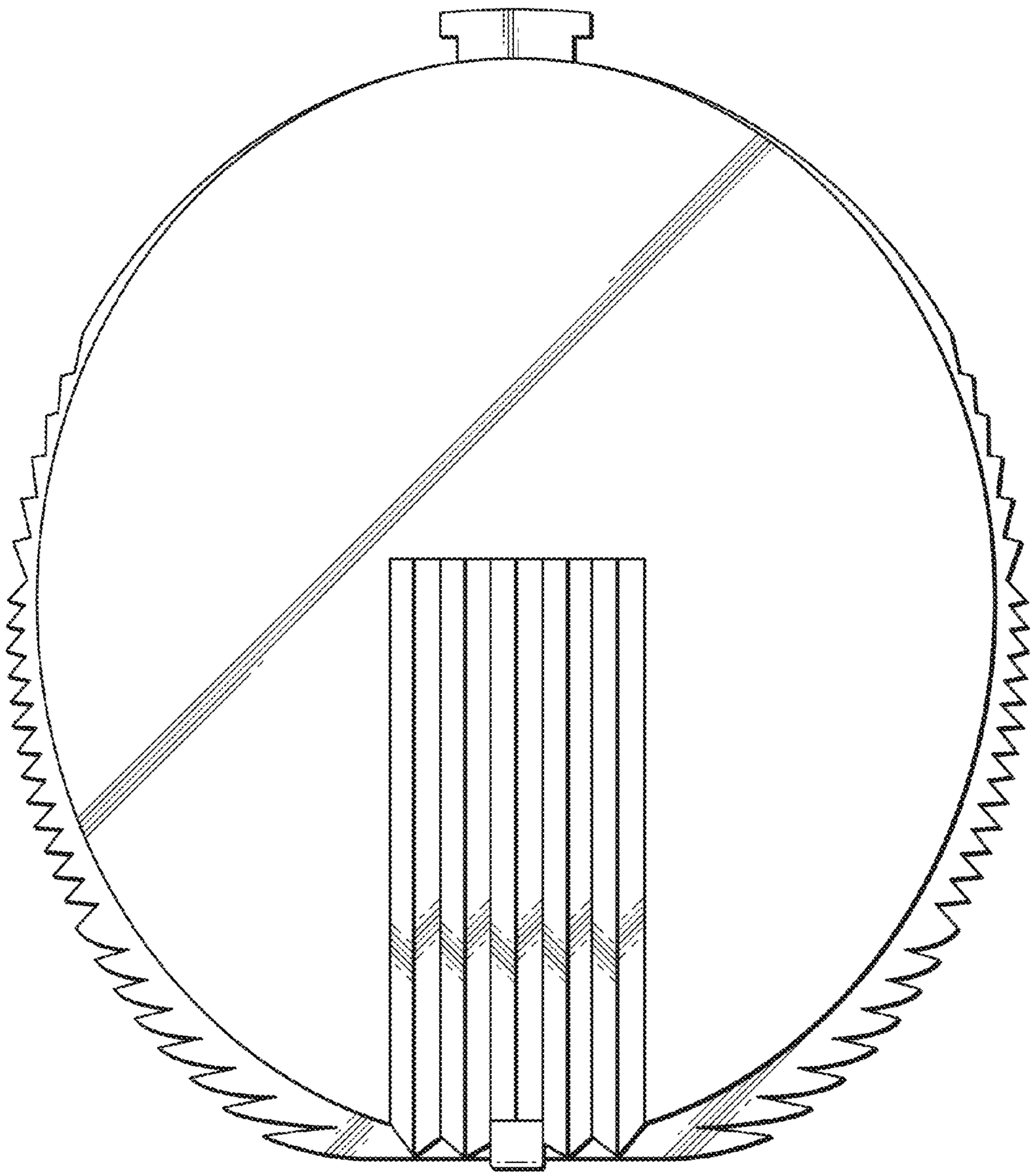


FIG. 2

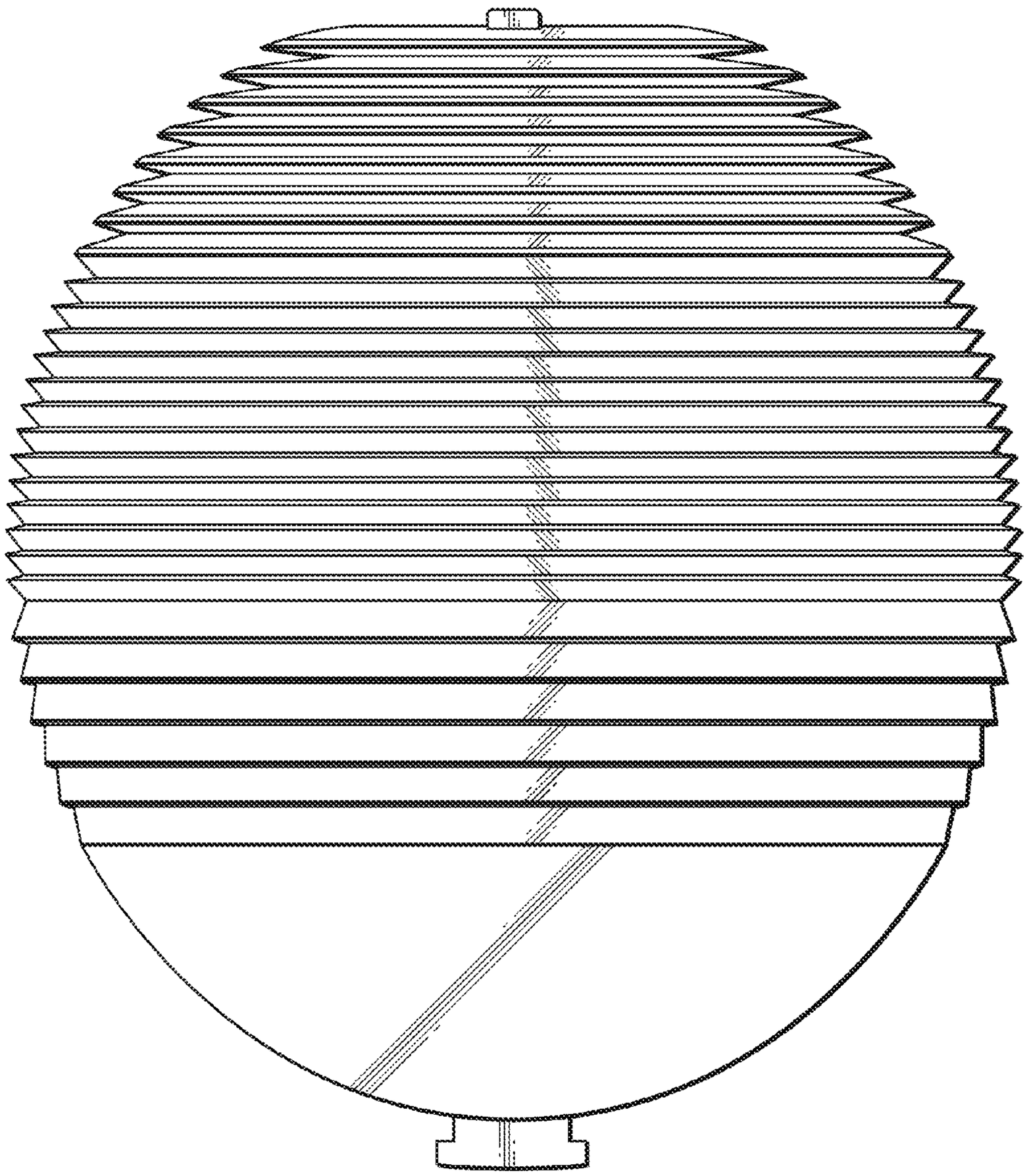


FIG. 3

FIG. 4

FIG. 5

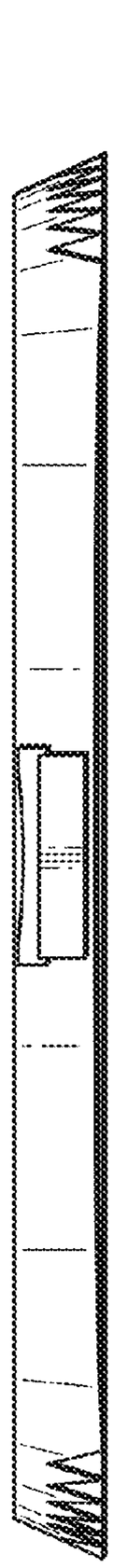


FIG. 6

FIG. 7

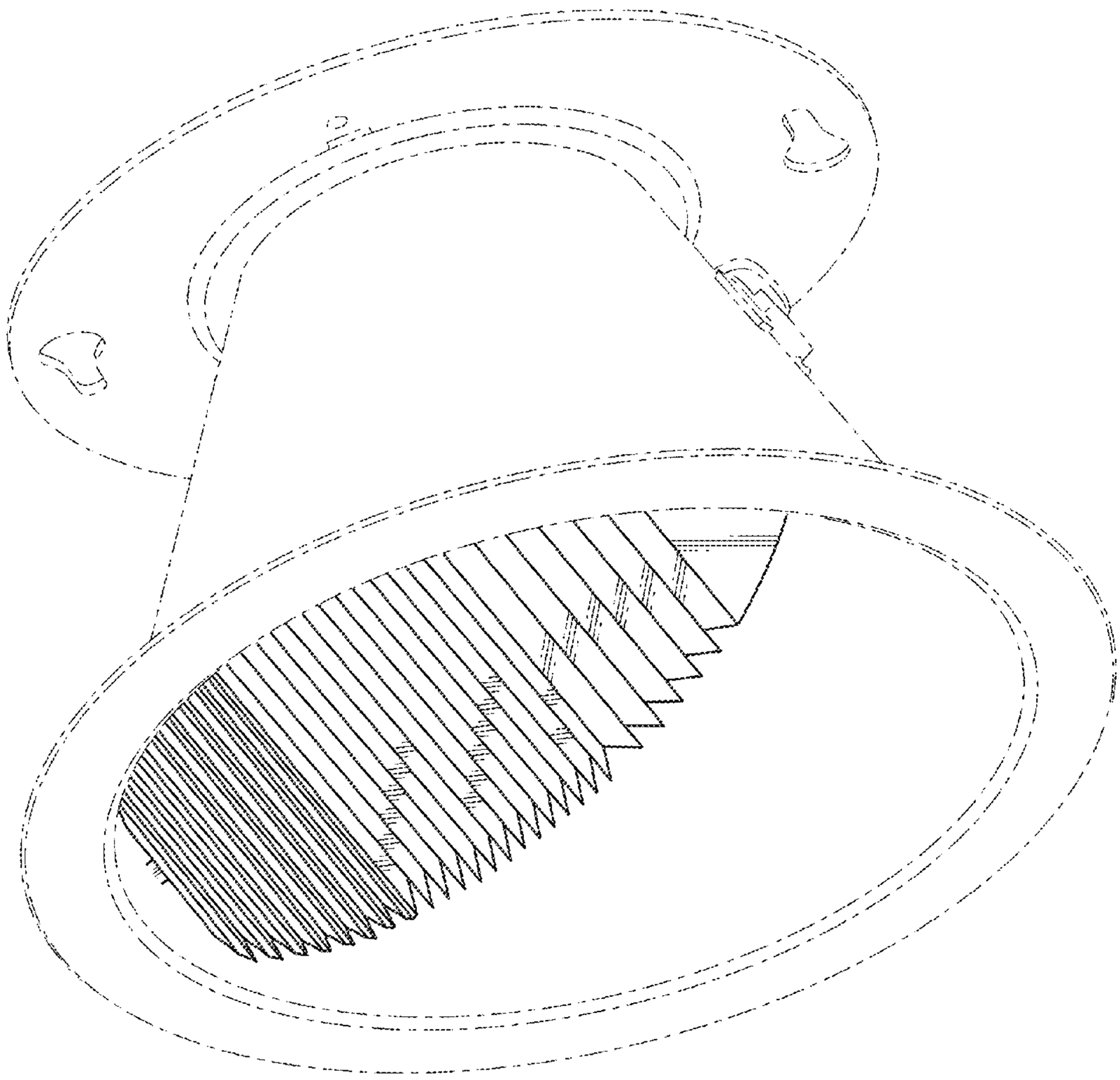


FIG. 8

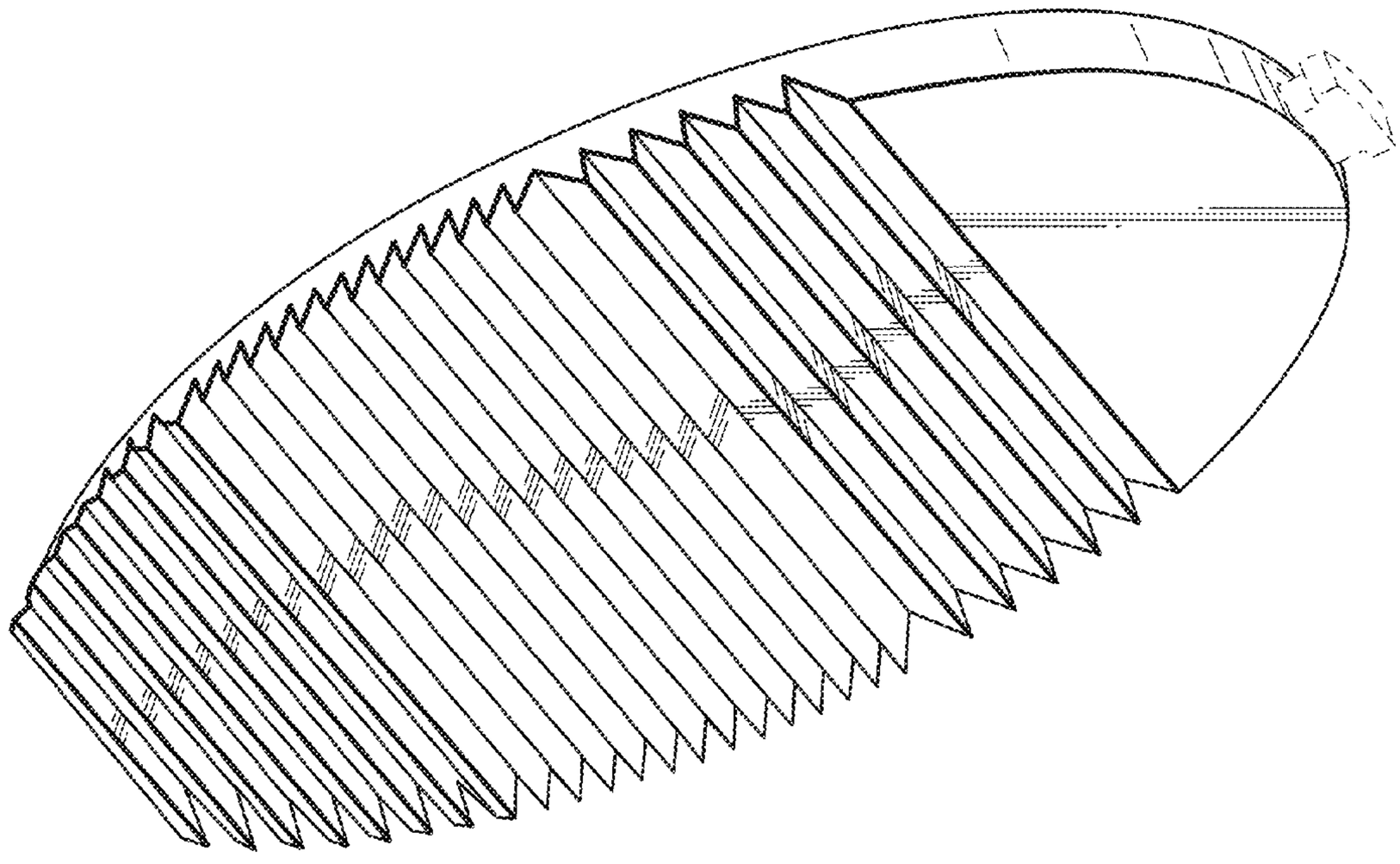


FIG. 9

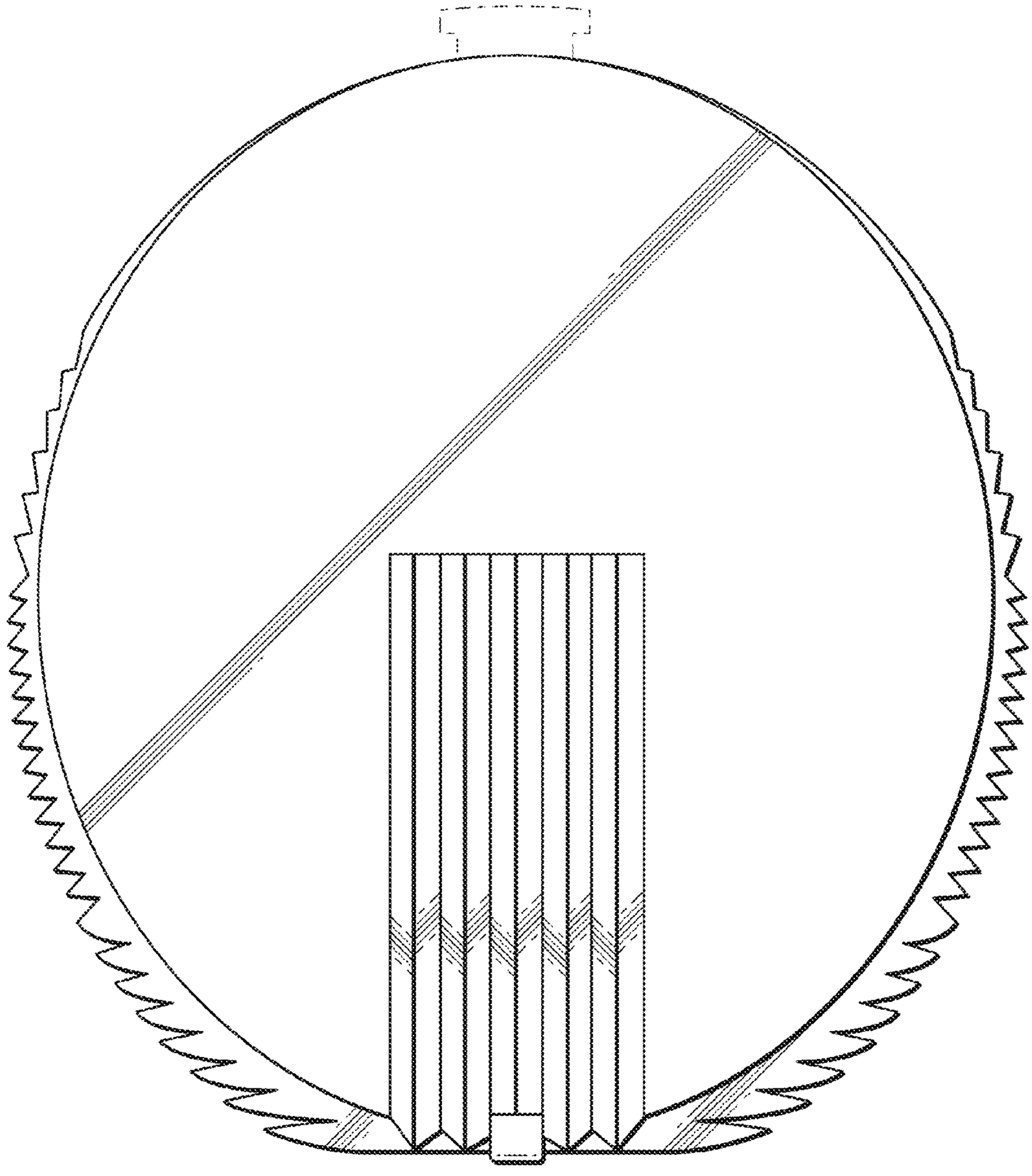


FIG. 10

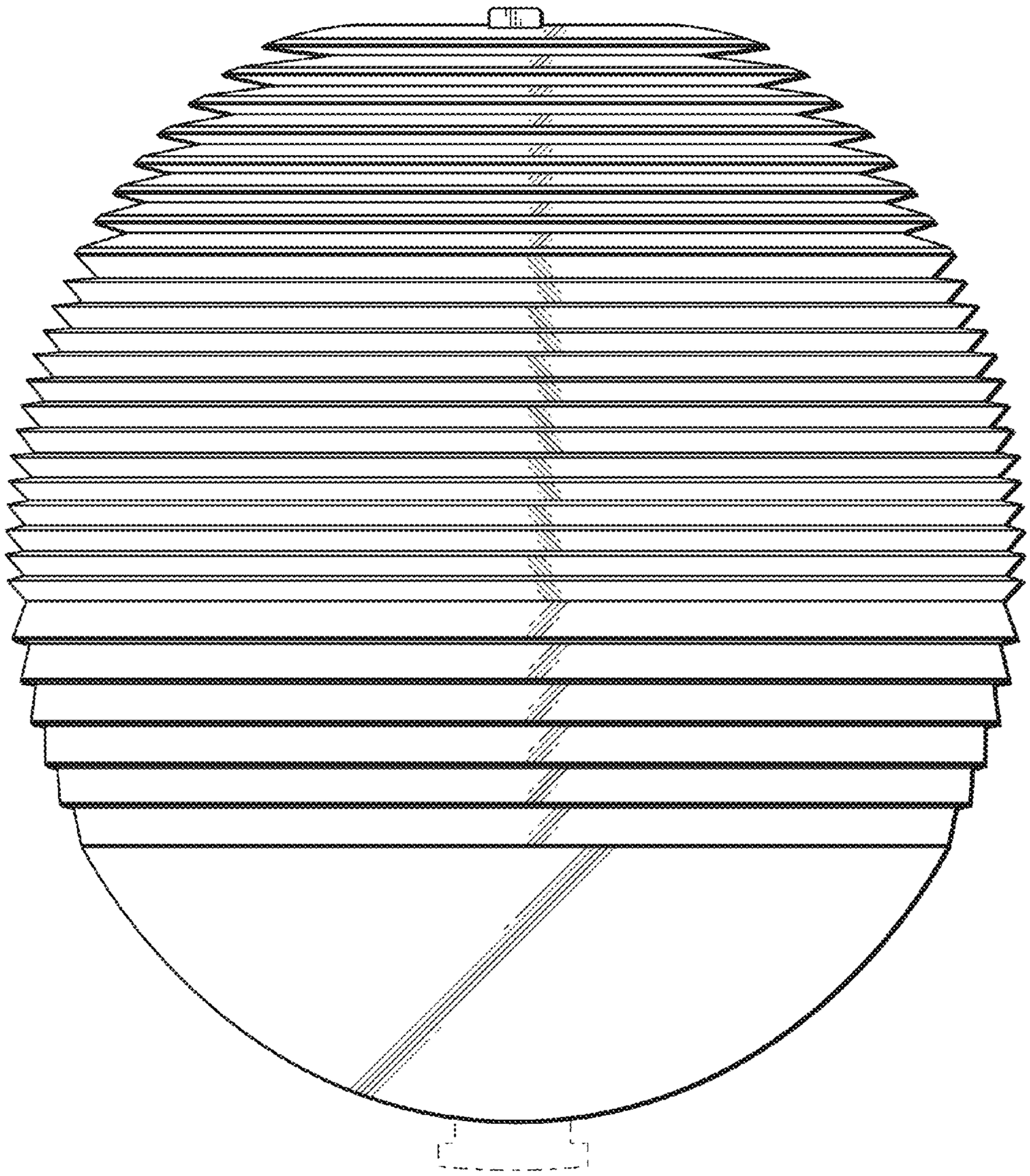


FIG. 11

FIG. 12

FIG. 13

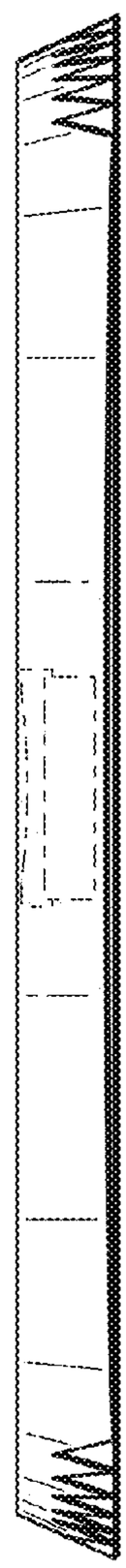


FIG. 14

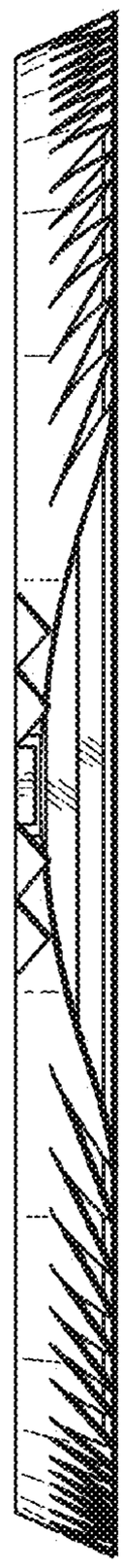


FIG. 15