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

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(54) **PANEL INSERT**

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

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(51) **LOC (12) Cl.** **12-07**

(52) **U.S. Cl.**
USPC **D12/345**; D8/382

(58) **Field of Classification Search**
USPC D8/71, 349, 354, 382, 397, 394, 396;
D12/345, 400, 223
CPC F16B 37/044; F16B 5/01; F16B 37/043;
F16B 37/061; F16B 39/30; F16B 37/122;
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,235,078 A	3/1941	Meisterhans	
2,716,434 A *	8/1955	Crowther	F16B 39/286 411/106
2,764,886 A	10/1956	Wiesmann	
3,019,865 A	2/1962	Rohe	
3,213,914 A	10/1965	Baumle et al.	
3,313,078 A	4/1967	Rohe	
3,339,609 A	9/1967	Cushman	
3,493,025 A	2/1970	La Londe et al.	
3,504,723 A	4/1970	Cushman et al.	
D218,674 S	9/1970	Ernest	
3,621,557 A	11/1971	Cushman et al.	
3,646,981 A	3/1972	Barnes	

3,646,982 A	3/1972	Cushman	
3,662,805 A	5/1972	Sygnator	
3,695,324 A	10/1972	Gulistan	
D229,610 S *	12/1973	Shinjo	D8/397
3,964,531 A	6/1976	Schenk	

(Continued)

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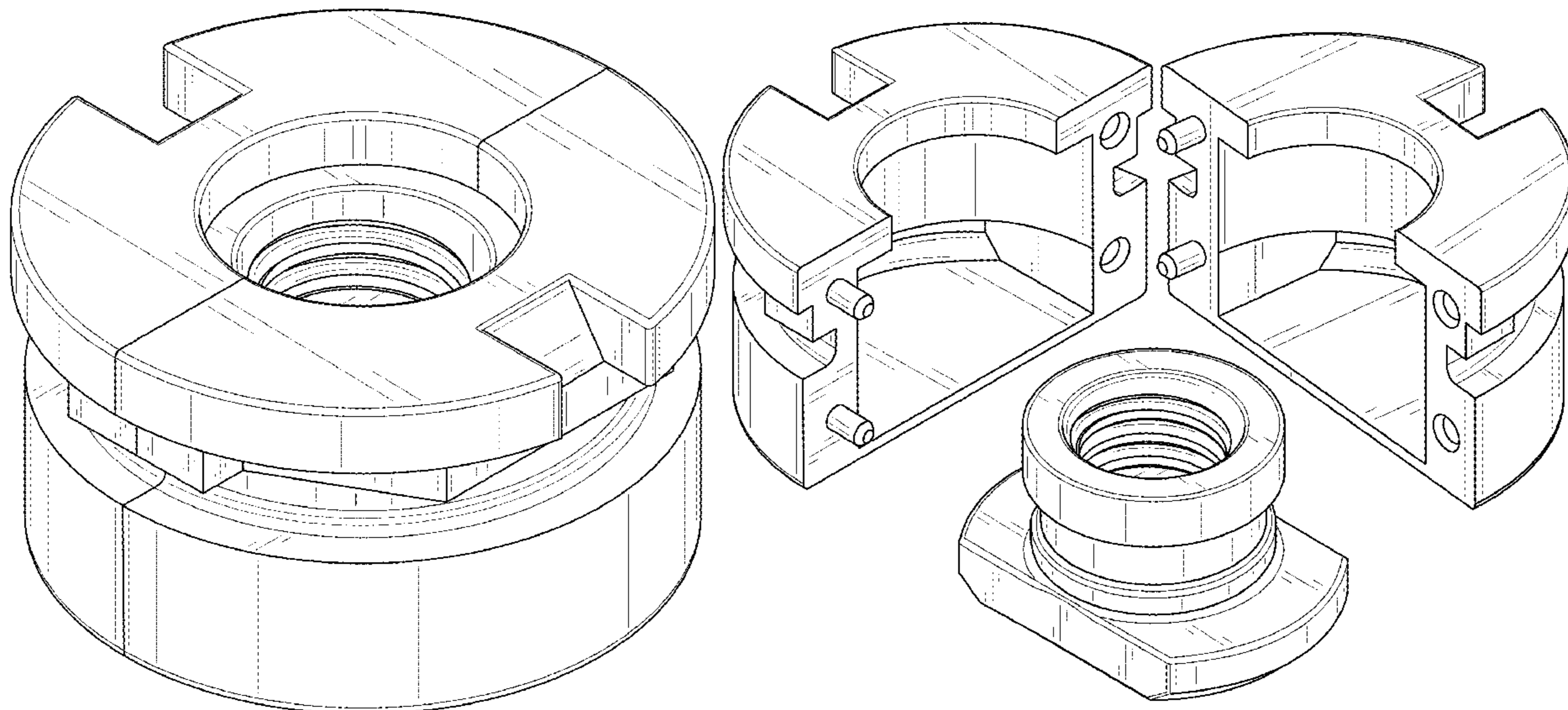
(57) **CLAIM**

The ornamental design for a panel insert, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a panel insert fully assembled.
 FIG. 2 is a front view of the panel insert of FIG. 1.
 FIG. 3 is a back view of the panel insert of FIG. 1.
 FIG. 4 is a left side view of the panel insert of FIG. 1.
 FIG. 5 is a right side view of the panel insert of FIG. 1.
 FIG. 6 is a top plan view of the panel insert of FIG. 1.
 FIG. 7 is a bottom plan view of the panel insert of FIG. 1.
 FIG. 8 is a perspective view of the panel insert of FIG. 1 shown partially disassembled.
 FIG. 9 is a front view of the panel insert as shown in FIG. 8.
 FIG. 10 is a back view of the panel insert as shown in FIG. 8.
 FIG. 11 is a left view of the panel insert as shown in FIG. 8.
 FIG. 12 is a right view of the panel insert as shown in FIG. 8.
 FIG. 13 is a top plan view of the panel insert as shown in FIG. 8.
 FIG. 14 is a bottom plan view of the panel insert as shown in FIG. 8; and,
 FIG. 15 is a perspective view of a panel insert of FIG. 1 shown completely disassembled.

1 Claim, 15 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,121,963 A	10/1978	Yardley et al.	D534,796 S	1/2007	Falkenburg	
4,185,438 A	1/1980	Fischer	7,192,231 B2	3/2007	Blackaby	
4,227,561 A	10/1980	Molina	7,195,436 B1 *	3/2007	Stephen	F16B 5/01 411/373
4,341,053 A	7/1982	Dettfurth et al.	D545,584 S	7/2007	Hunziker	
4,417,028 A	11/1983	Azevedo	D549,091 S	8/2007	McIntyre et al.	
4,428,705 A	1/1984	Gelhard	D551,269 S	9/2007	Burke, III	
D278,594 S	4/1985	Lye	D556,017 S *	11/2007	Hutter, III	D8/354
4,509,308 A	4/1985	Dettfurth et al.	D557,132 S	12/2007	Shinjo	
4,752,171 A	6/1988	Pliml, Jr.	D572,302 S	7/2008	Peavey	
4,812,193 A	3/1989	Gauron	D604,611 S	11/2009	Ames et al.	
4,817,264 A	4/1989	Worthing	D634,343 S	3/2011	Burke, III	
4,846,612 A	7/1989	Worthing	8,029,221 B2	10/2011	Curley, Jr. et al.	
4,902,180 A	2/1990	Gauron	D662,869 S	7/2012	Ballard	
4,973,208 A	11/1990	Gauron	D668,919 S	10/2012	Teng	
4,993,902 A	2/1991	Hellon	8,409,395 B2 *	4/2013	Schumacher, Jr.	B64C 1/14 156/293
D322,929 S	1/1992	Abbestam et al.	D684,455 S	6/2013	Relyea et al.	
5,082,405 A	1/1992	Witten	D690,581 S	10/2013	Brander	
5,092,725 A	3/1992	Aittama	D693,669 S	11/2013	Kousens et al.	
5,159,782 A *	11/1992	Sales	D703,524 S	4/2014	Sakoda	
		E05B 17/0012 206/325	D704,044 S	5/2014	Makino	
5,240,543 A	8/1993	Fetterhoff et al.	9,003,662 B2	4/2015	Burd et al.	
5,302,069 A	4/1994	Toth et al.	9,109,615 B2	8/2015	Cuddy et al.	
5,378,099 A	1/1995	Gauron	9,234,536 B2	1/2016	Truong et al.	
5,431,578 A	7/1995	Wayne	D756,207 S *	5/2016	Tamilvel	D8/382
5,437,750 A	8/1995	Rinse et al.	D773,270 S *	12/2016	Moreau	D8/71
D364,882 S	12/1995	Junkers	9,702,394 B2	7/2017	Barney et al.	
5,553,984 A	9/1996	Smith	9,719,547 B2 *	8/2017	Wilkerson	F16B 33/002
5,622,208 A	4/1997	Vinson	9,775,427 B2 *	10/2017	Moreau	A45F 5/00
5,632,582 A	5/1997	Gauron	9,822,808 B2	11/2017	Rajeev	
5,840,147 A	11/1998	Grimm	D836,976 S *	1/2019	Reese	D7/396.2
5,840,149 A	11/1998	Tokunaga et al.	D860,772 S *	9/2019	Jiang	D8/394
5,843,265 A	12/1998	Grimm	2004/0005205 A1	1/2004	Yake et al.	
5,947,518 A	9/1999	Redman et al.	2005/0169727 A1	8/2005	Cosenza	
6,096,256 A	8/2000	Aretz	2005/0220562 A1 *	10/2005	Blackaby	F16B 37/044 411/111
6,146,071 A	11/2000	Norkus et al.	2007/0297869 A1 *	12/2007	Kunda	F16B 5/025 411/108
6,153,035 A	11/2000	Van Laeken	2008/0292425 A1	11/2008	Pineiros et al.	
6,217,695 B1	4/2001	Goldberg et al.	2013/0276292 A1 *	10/2013	Kousens	F16B 37/044 29/525.02
6,264,412 B1	7/2001	Nakamura et al.	2013/0326860 A1 *	12/2013	Endt	B23K 31/02 29/525.02
6,273,985 B1	8/2001	DeLouise et al.	2014/0064873 A1 *	3/2014	Kevin	F16B 37/044 411/103
6,278,562 B1	8/2001	Lovett	2014/0205368 A1 *	7/2014	Kramer	F16B 5/01 403/267
6,299,596 B1	10/2001	Ding	2016/0031184 A1 *	2/2016	Lewis	B64C 1/066 428/136
D452,428 S	12/2001	Shinjo et al.	2016/0123524 A1 *	5/2016	Burkhard	B26D 3/065 248/346.03
D453,000 S	1/2002	Shinjo et al.	2016/0186796 A1	6/2016	Verdier	
6,350,093 B1	2/2002	Petersen et al.	2016/0279920 A1 *	9/2016	Burkhard	B32B 7/12
D454,057 S	3/2002	Pamer et al.	2017/0167523 A1	6/2017	Davis	
D457,054 S	5/2002	Pamer et al.	2017/0268560 A1	9/2017	Barney et al.	
6,485,130 B2	11/2002	DeLouise et al.	2018/0038399 A1	2/2018	Fischer et al.	
6,488,460 B1	12/2002	Smith et al.	2019/0316624 A1 *	10/2019	Gauron	F16B 37/064
6,692,206 B1	2/2004	Clinch et al.				
6,733,221 B2	5/2004	Linger				
6,758,645 B2	7/2004	Curley, Jr. et al.				
D499,010 S	11/2004	Velten				
6,811,363 B1	11/2004	Minnich				
D519,530 S	4/2006	Thysell et al.				
D520,856 S	5/2006	Osiecki et al.				
D520,859 S	5/2006	Osiecki et al.				
7,134,821 B2	11/2006	Clinch et al.				

* cited by examiner

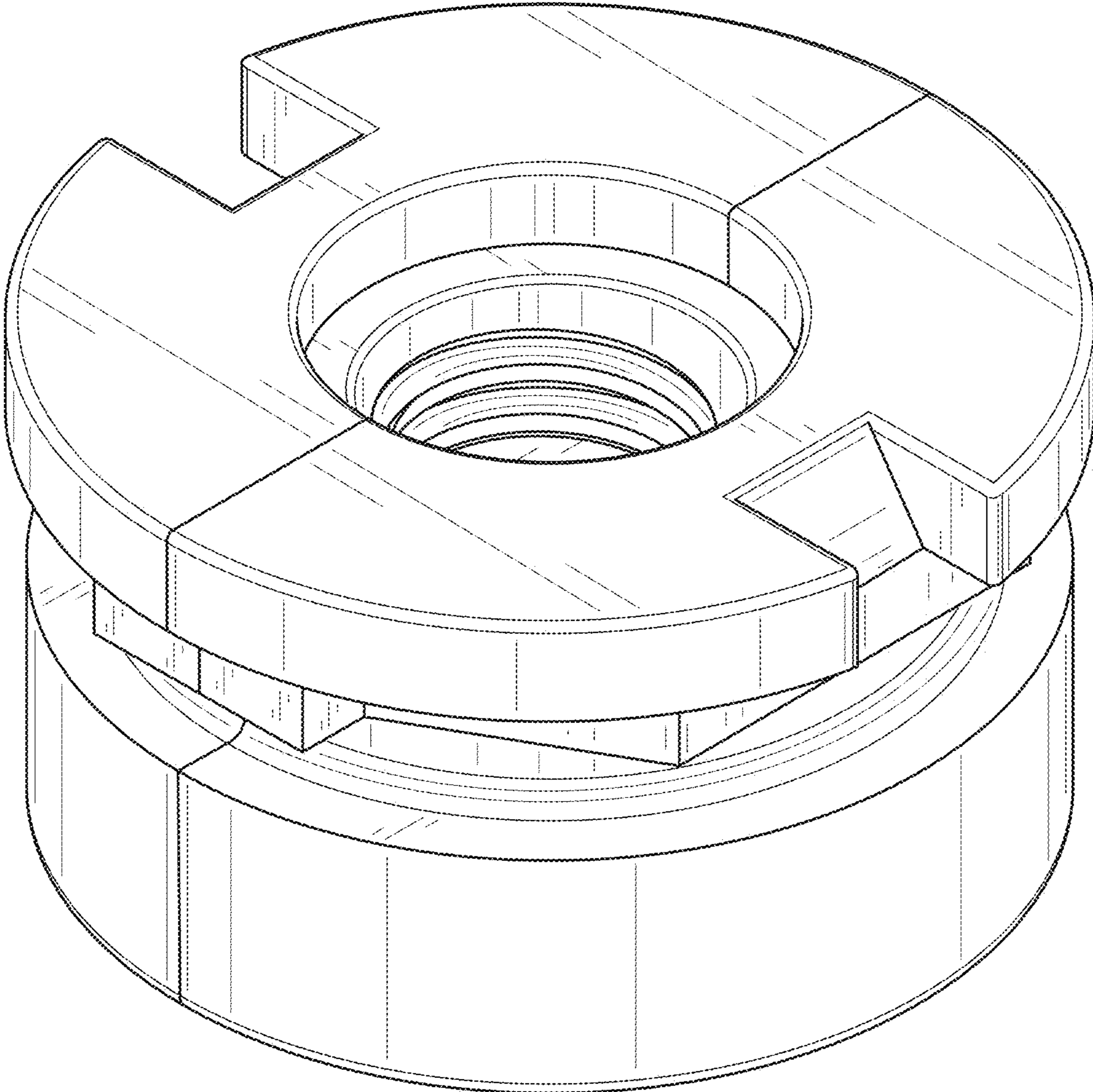


FIG. 1

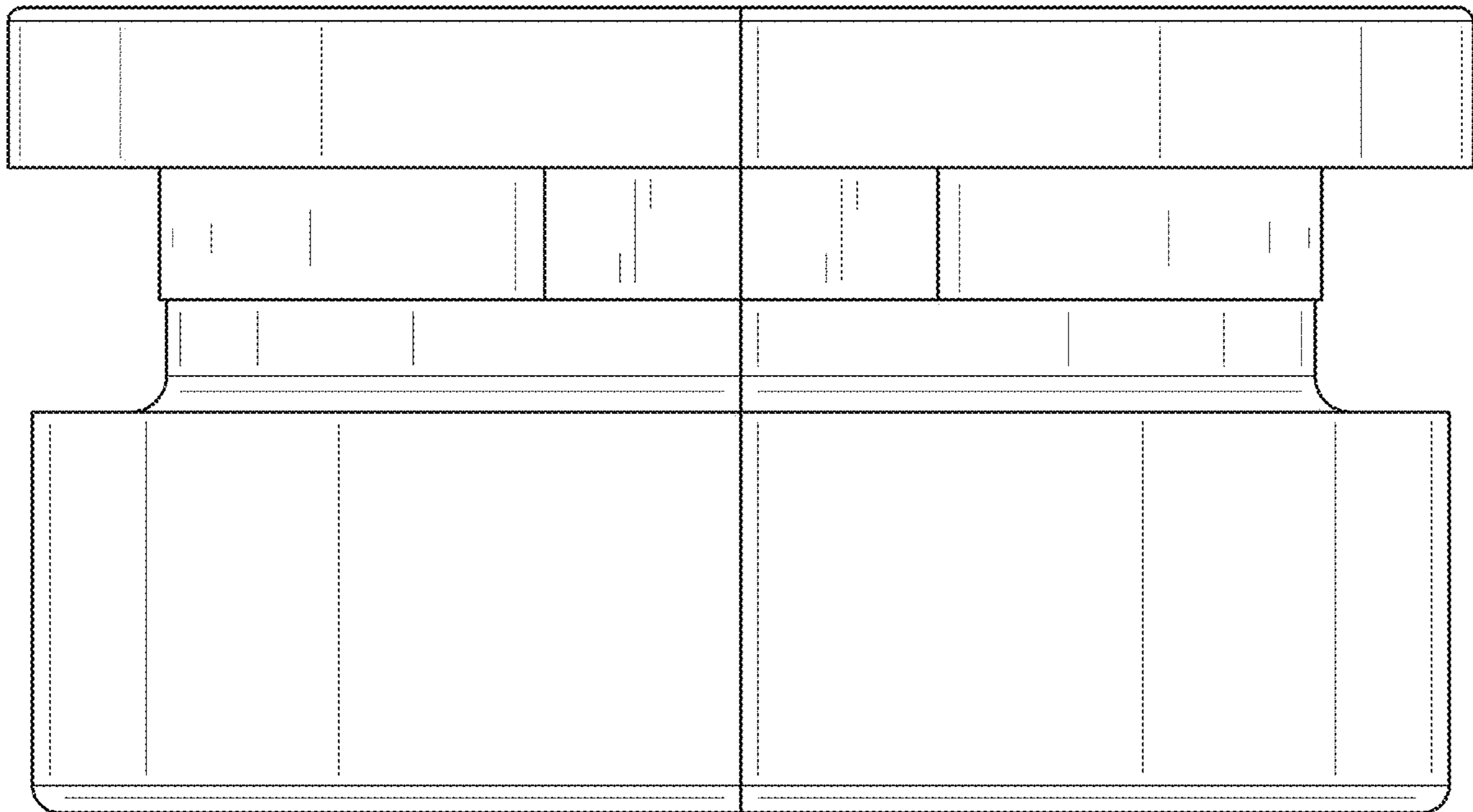


FIG. 2

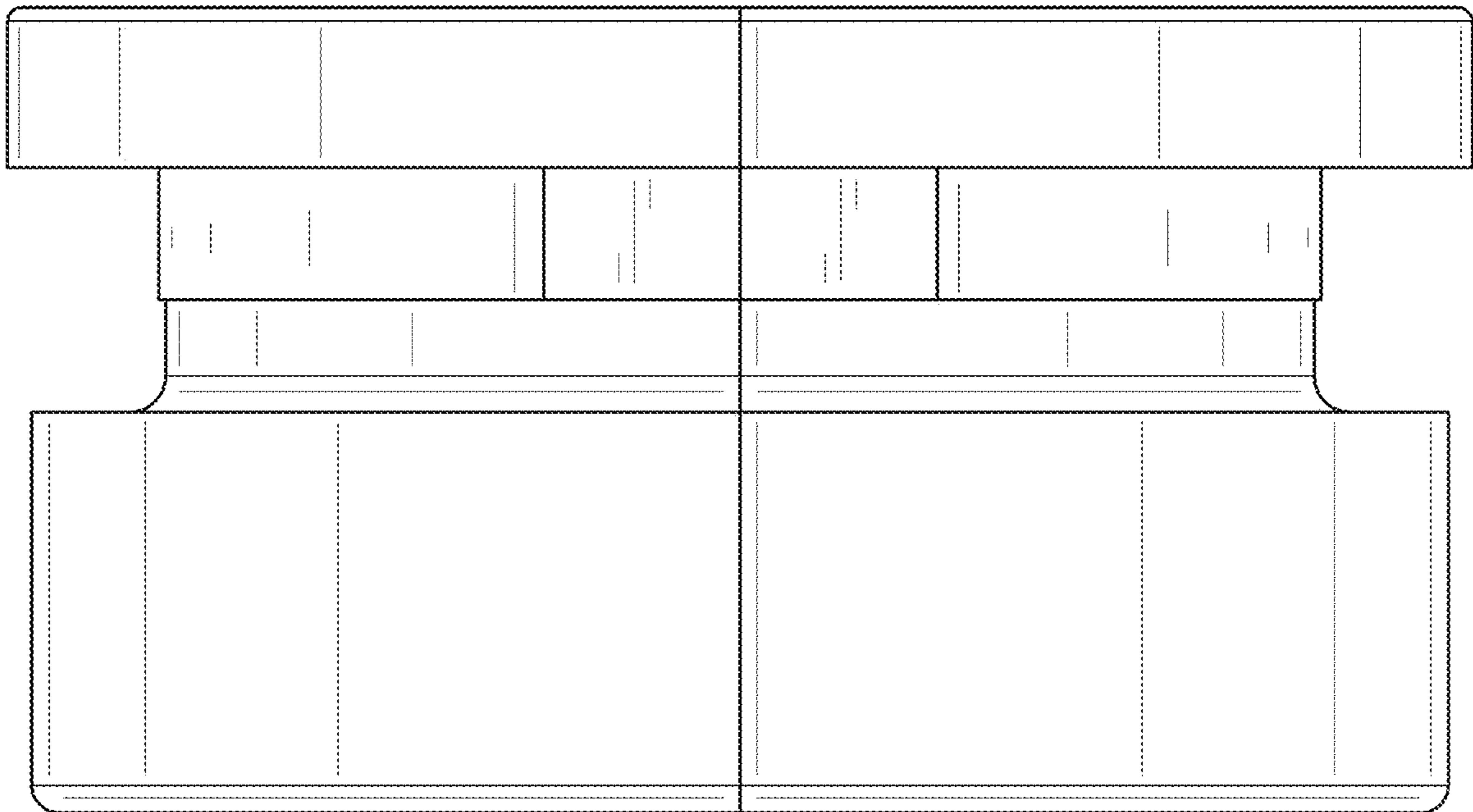


FIG. 3

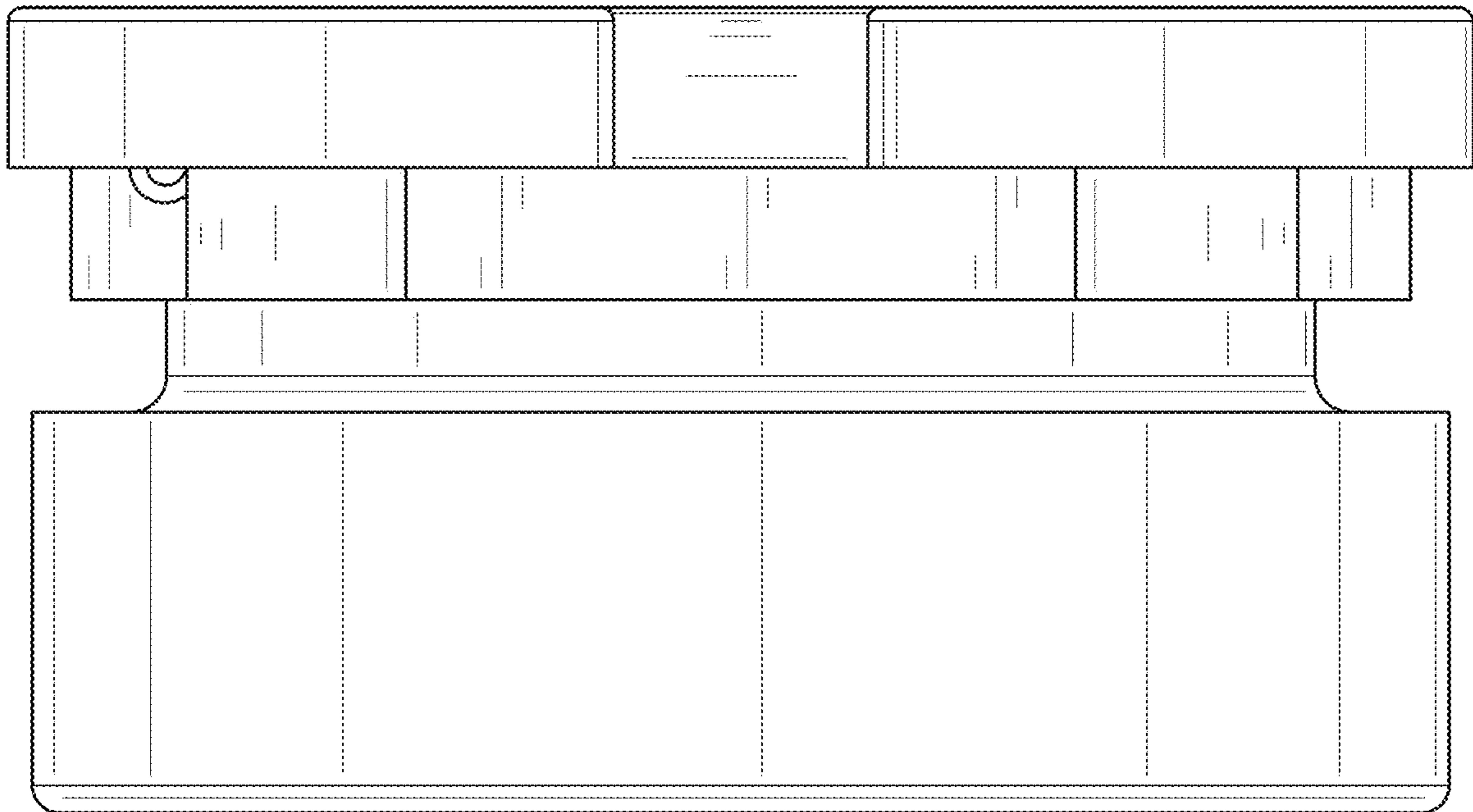


FIG. 4

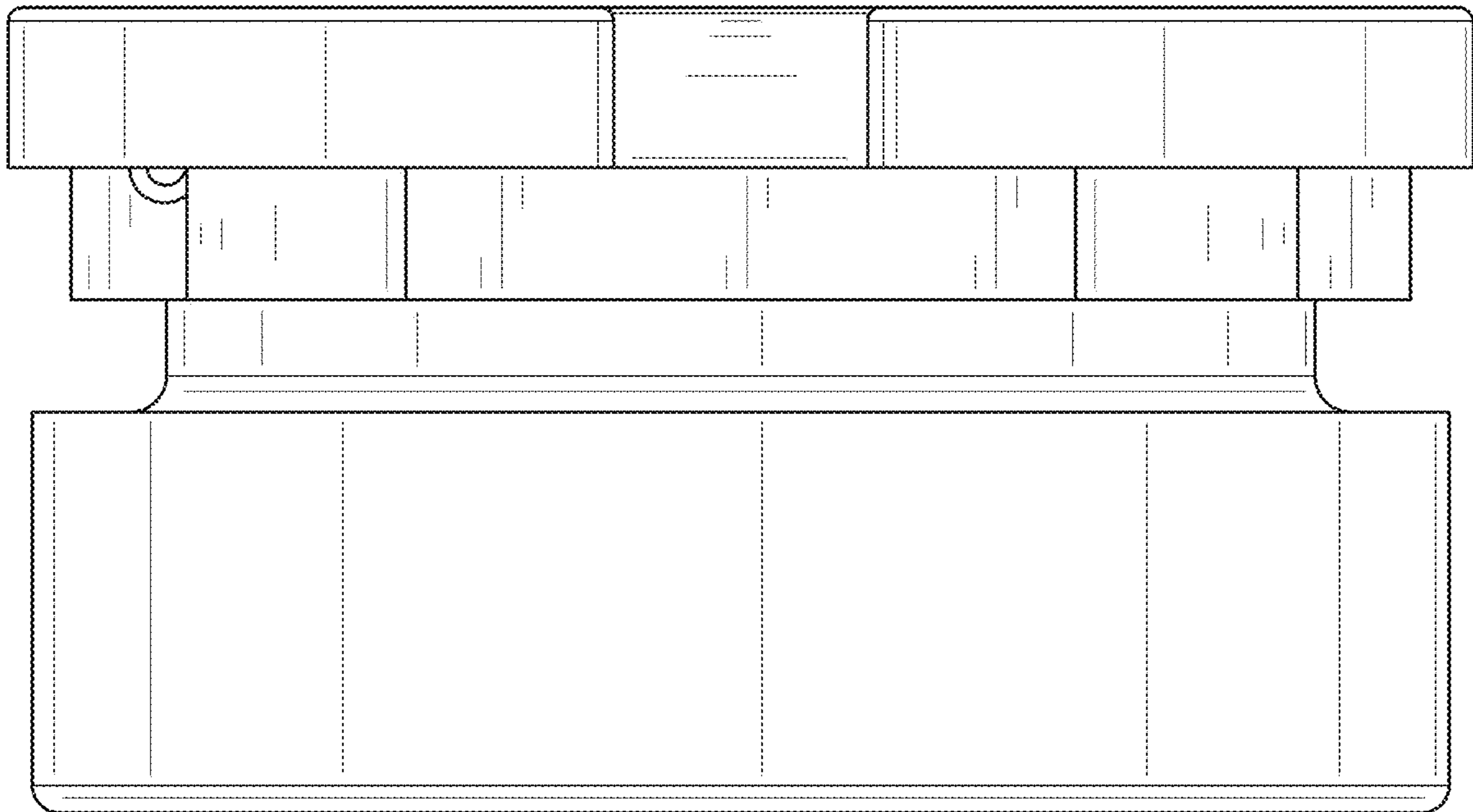


FIG. 5

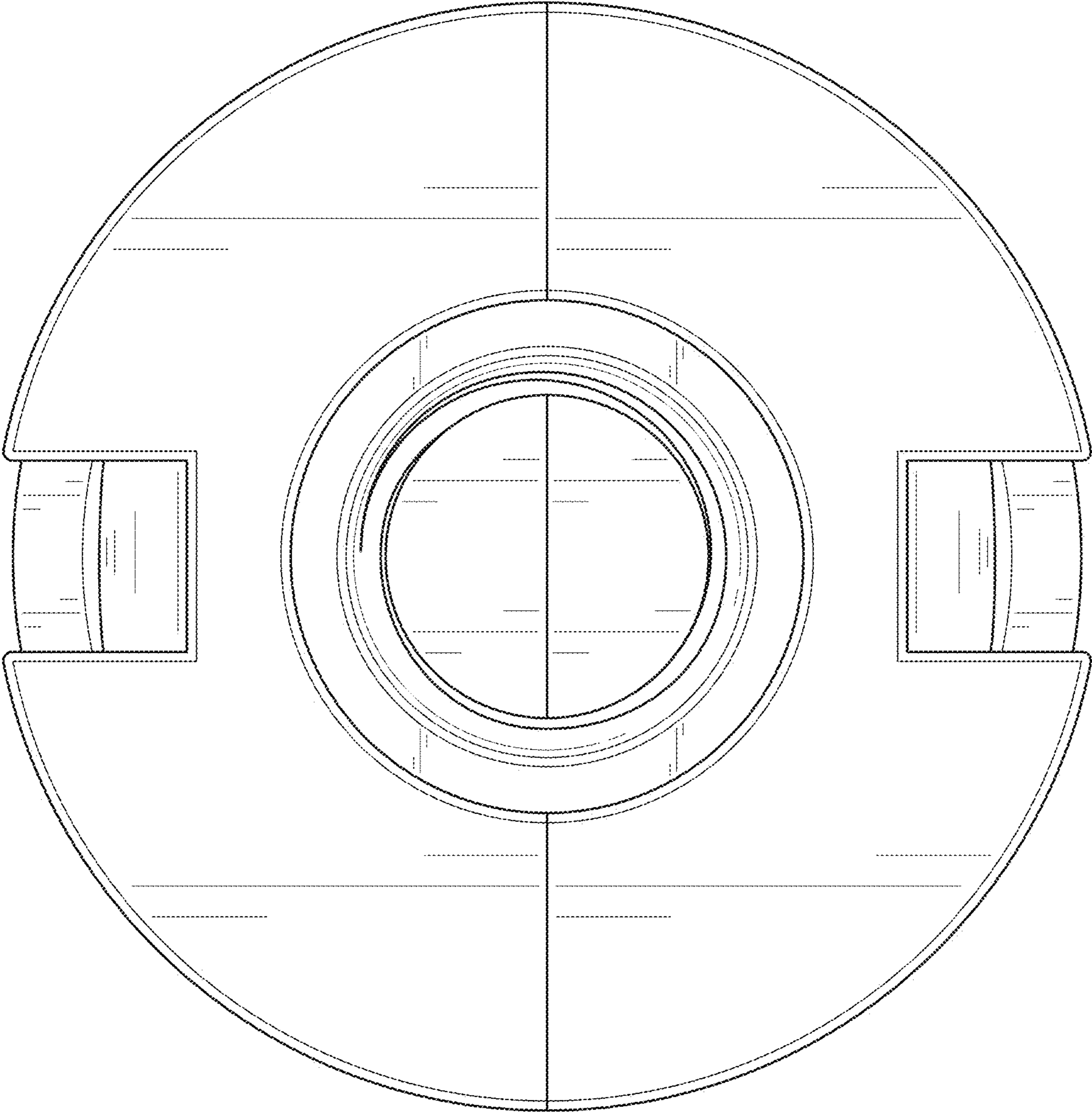


FIG. 6

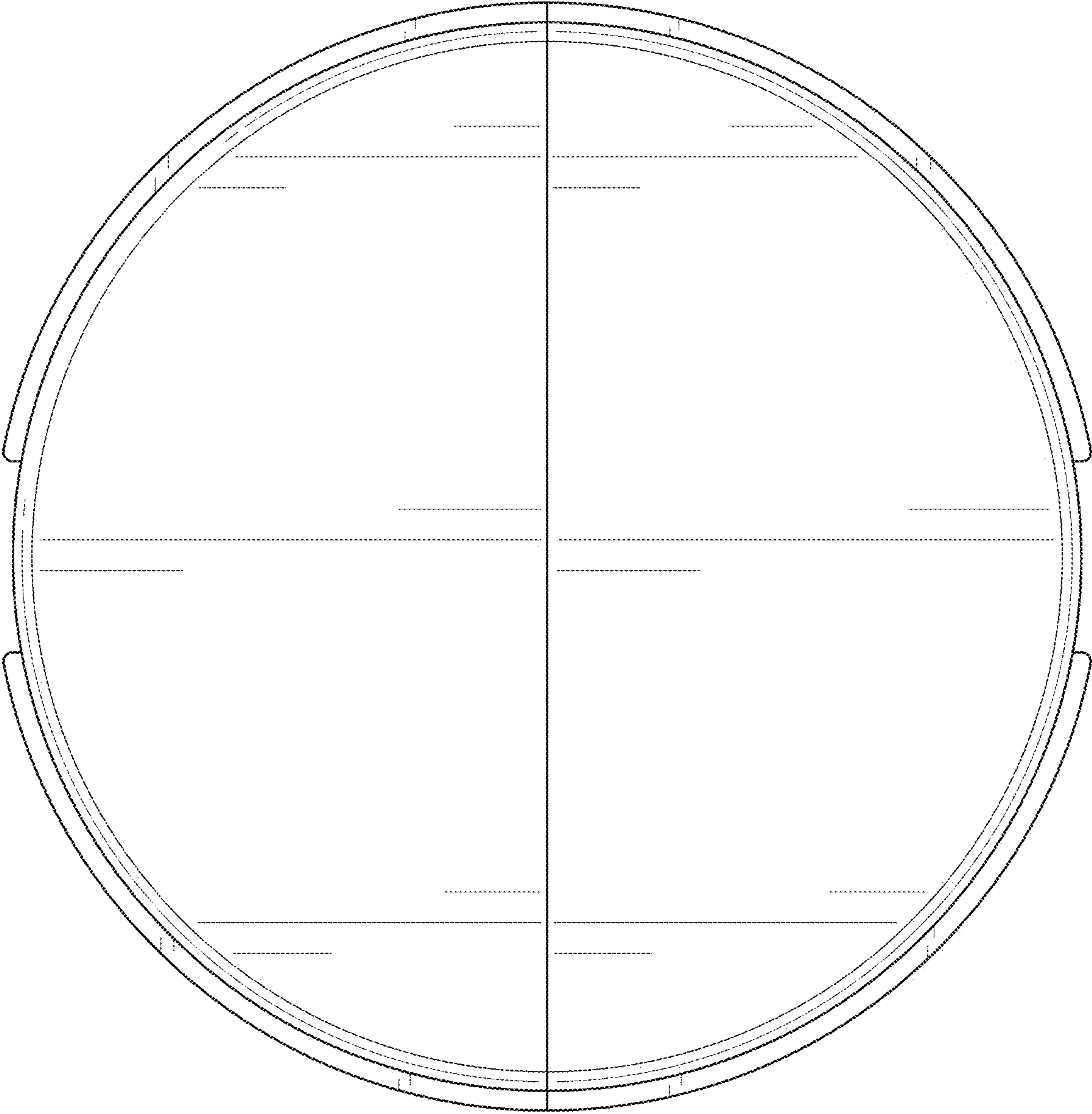


FIG. 7

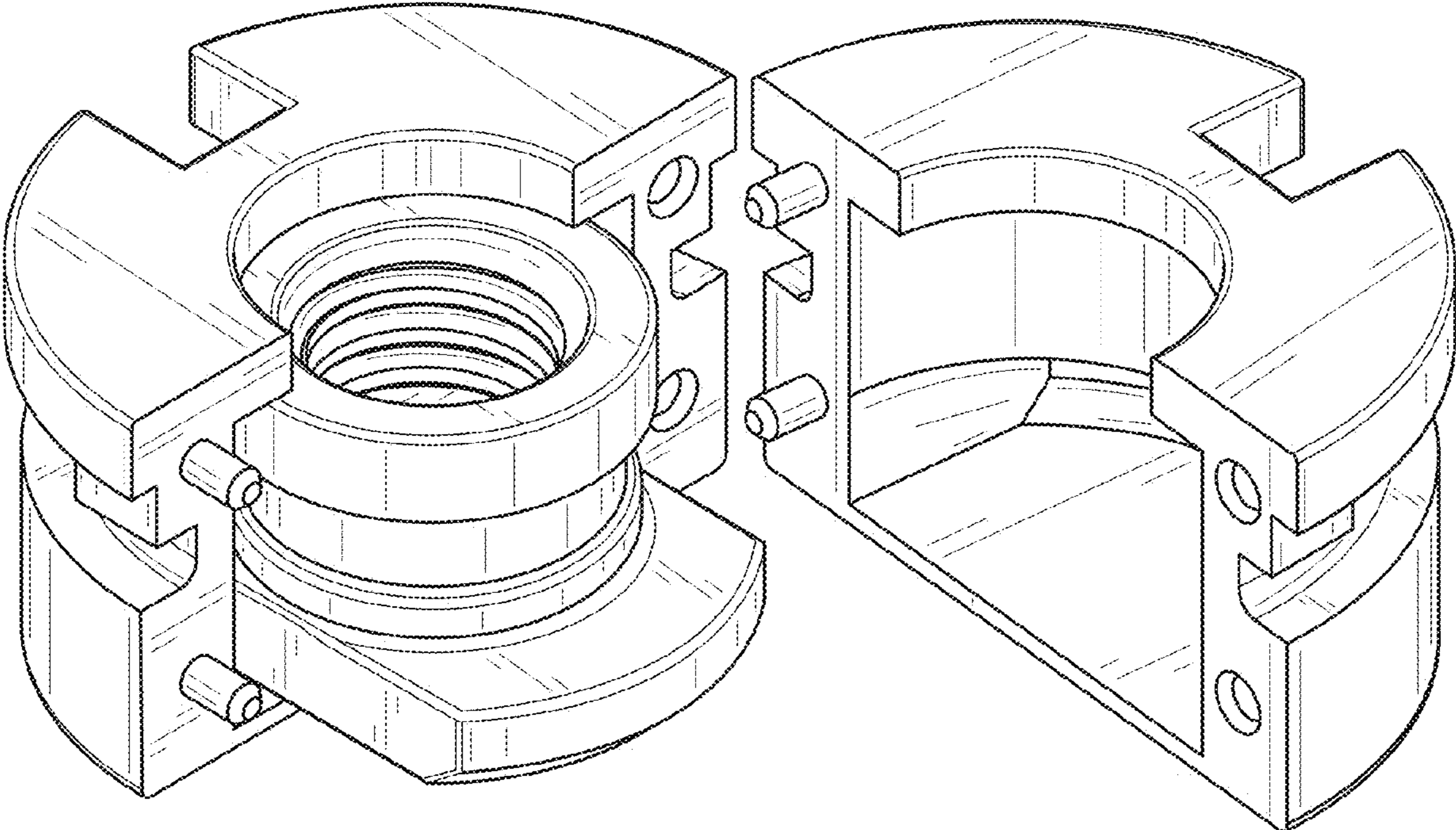


FIG. 8

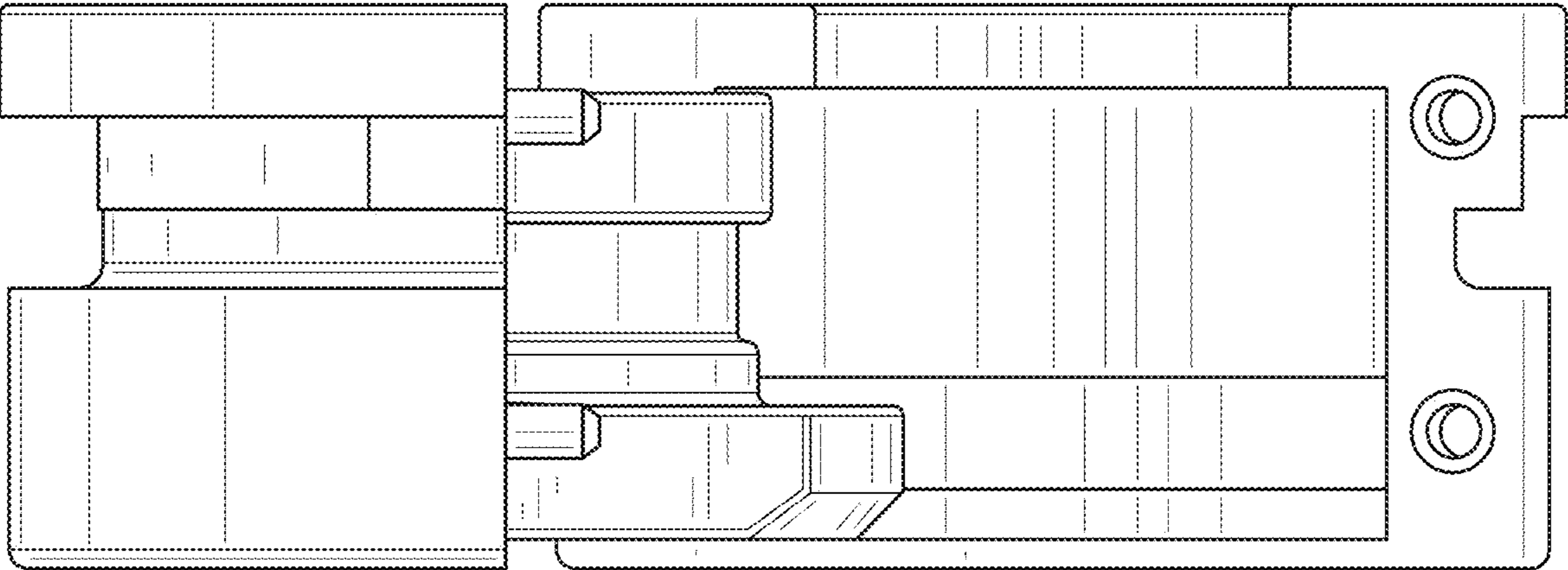


FIG. 9

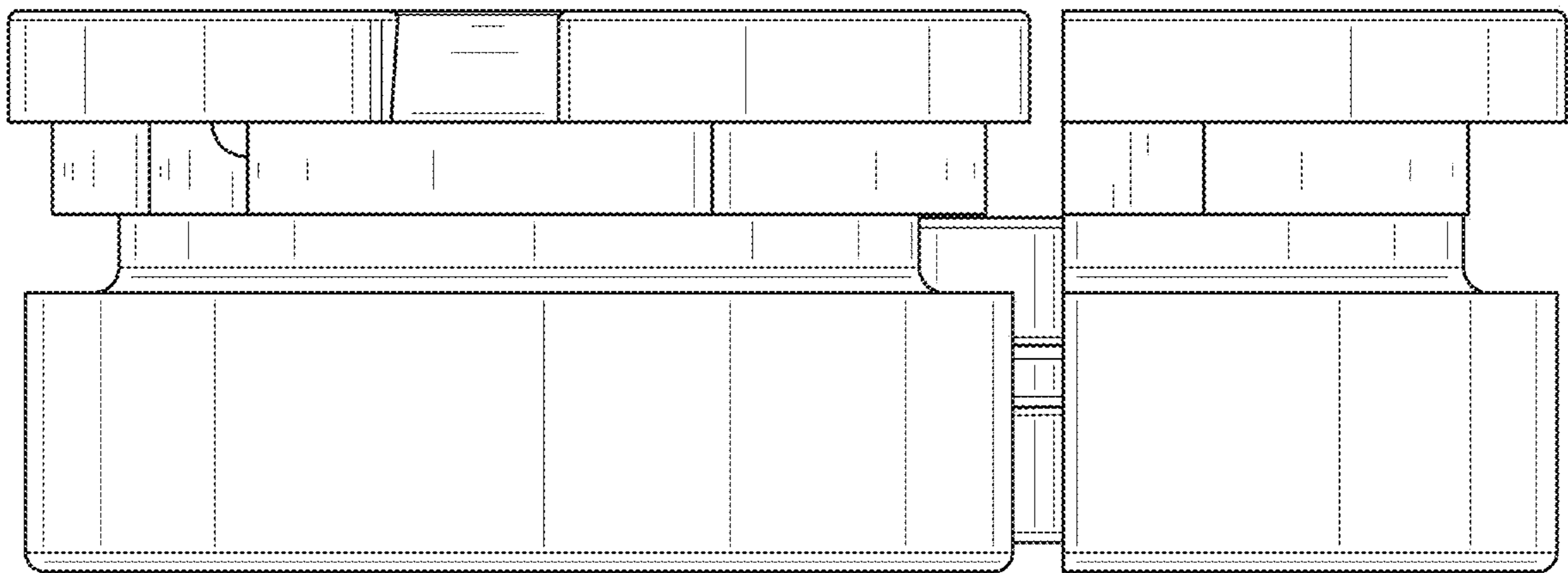


FIG. 10

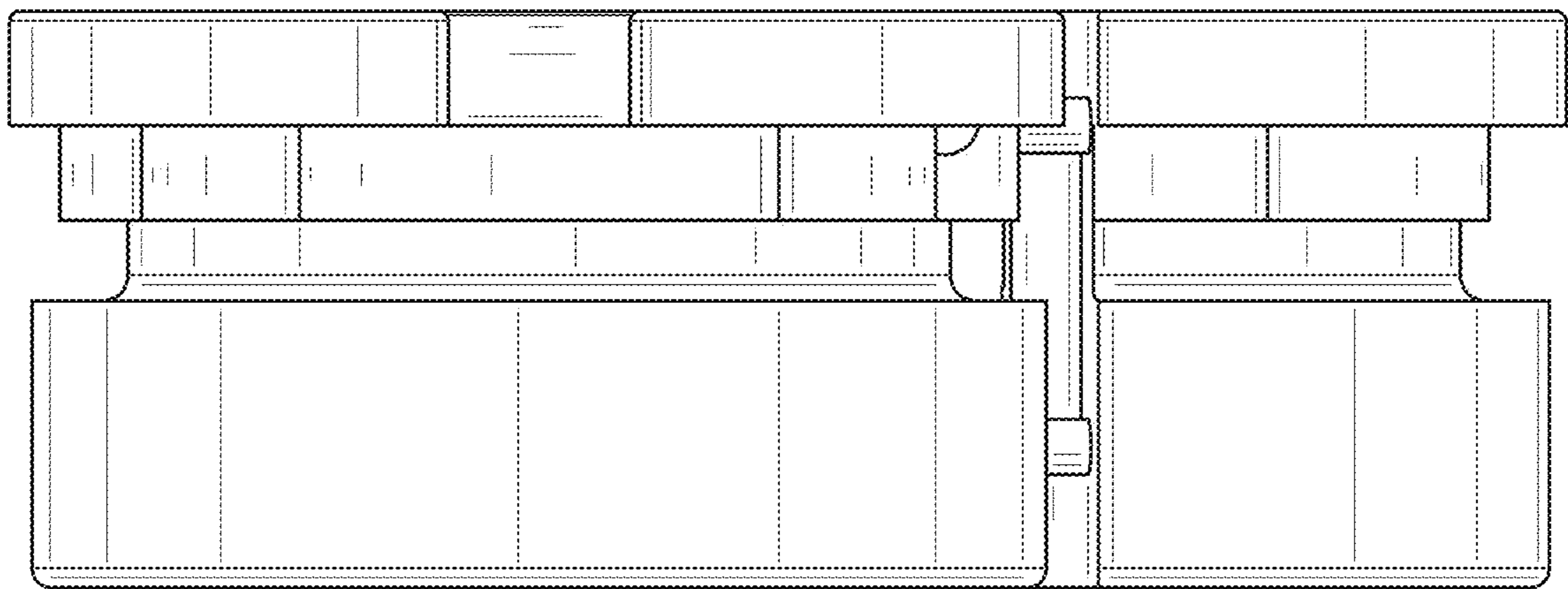


FIG. 11

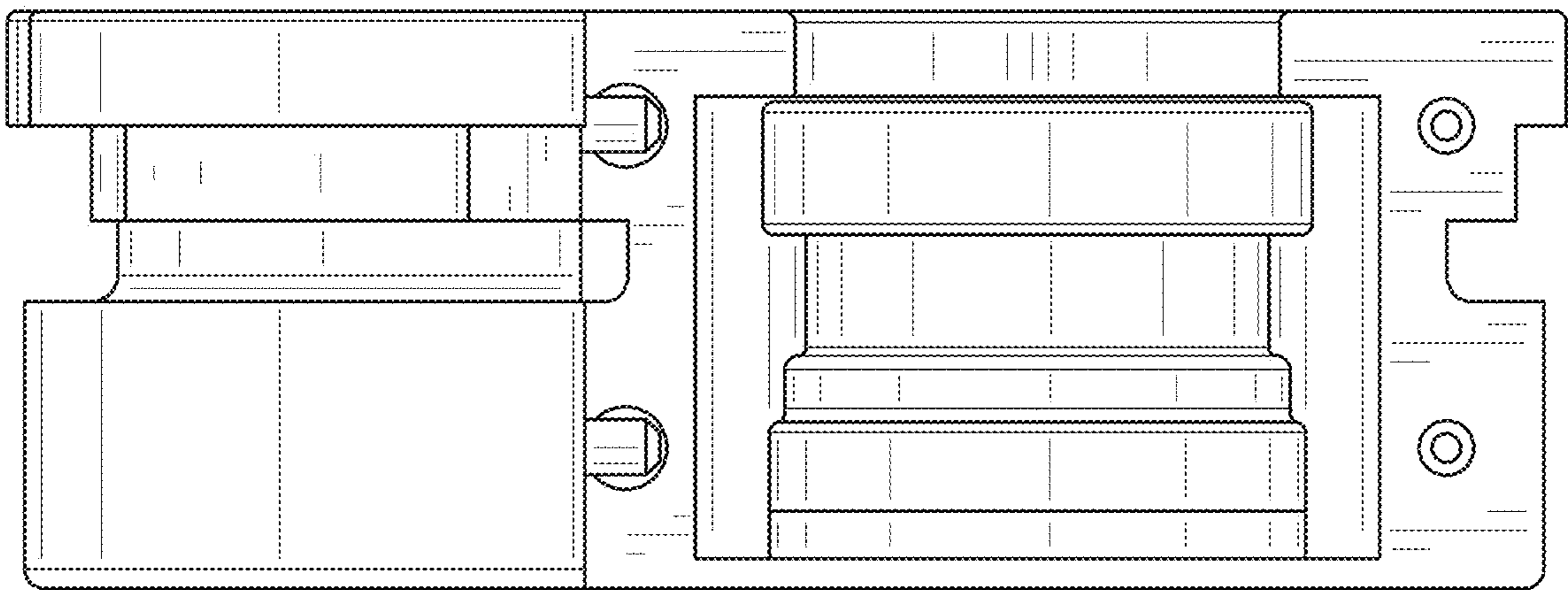


FIG. 12

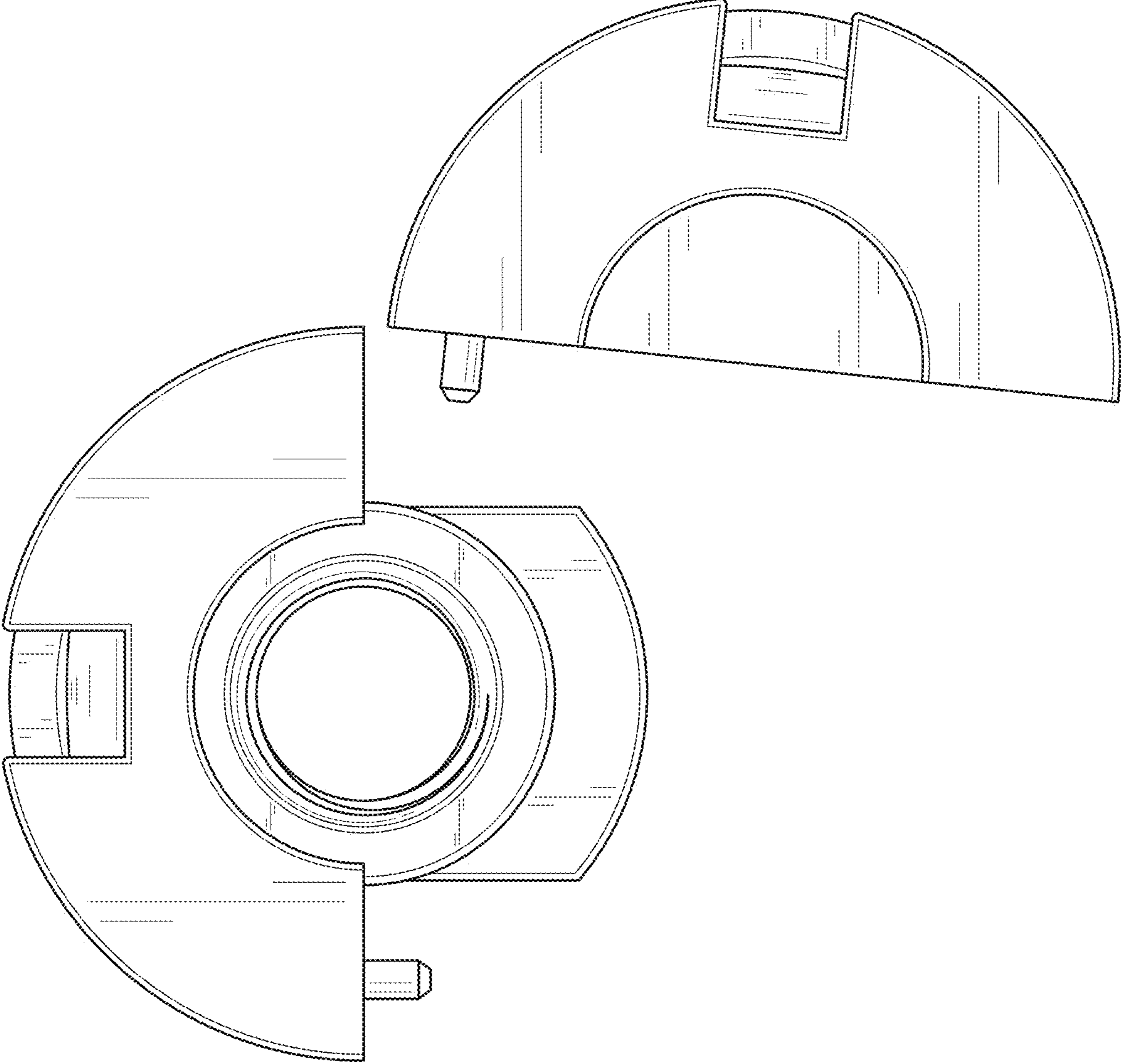


FIG. 13

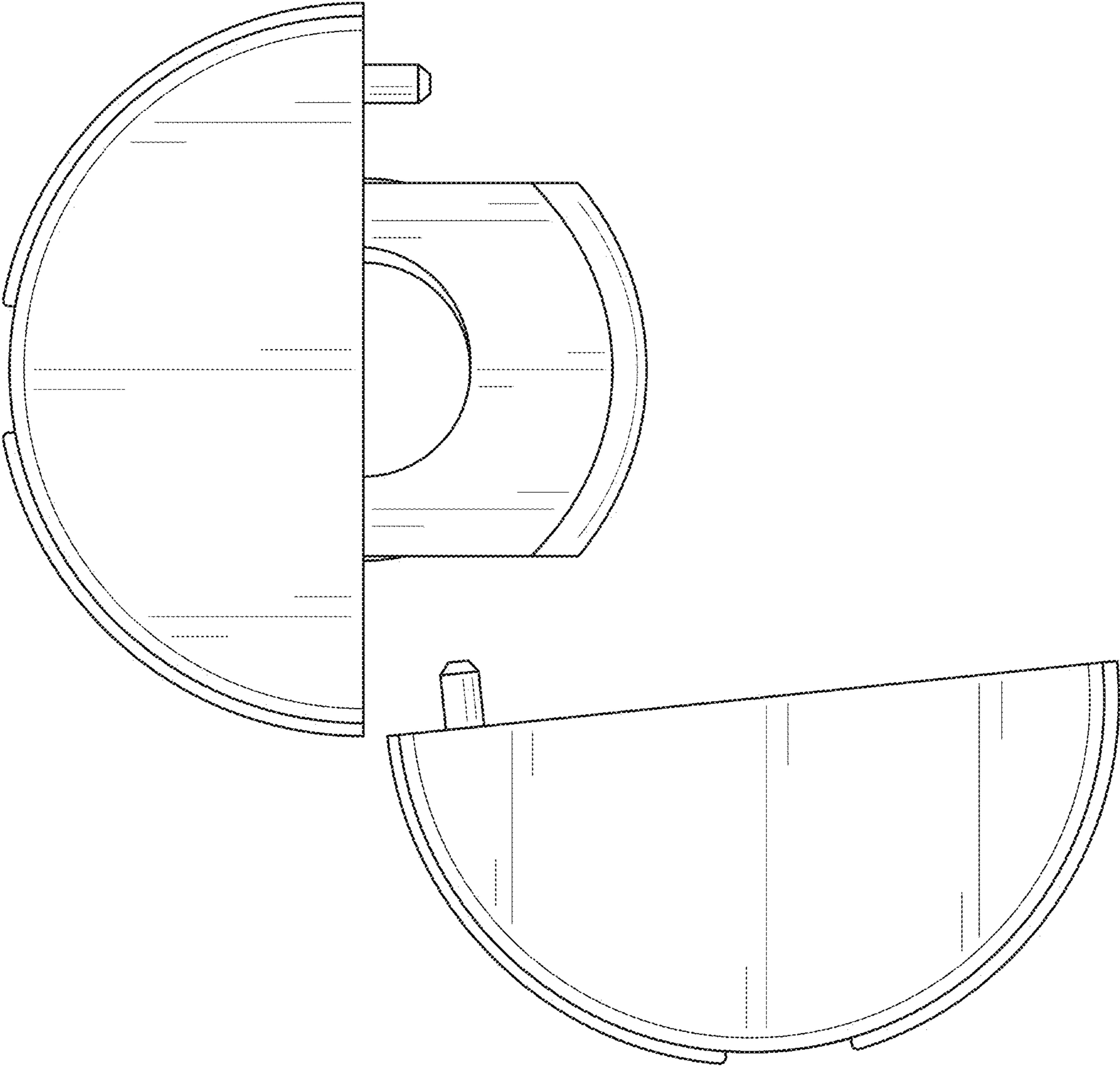


FIG. 14

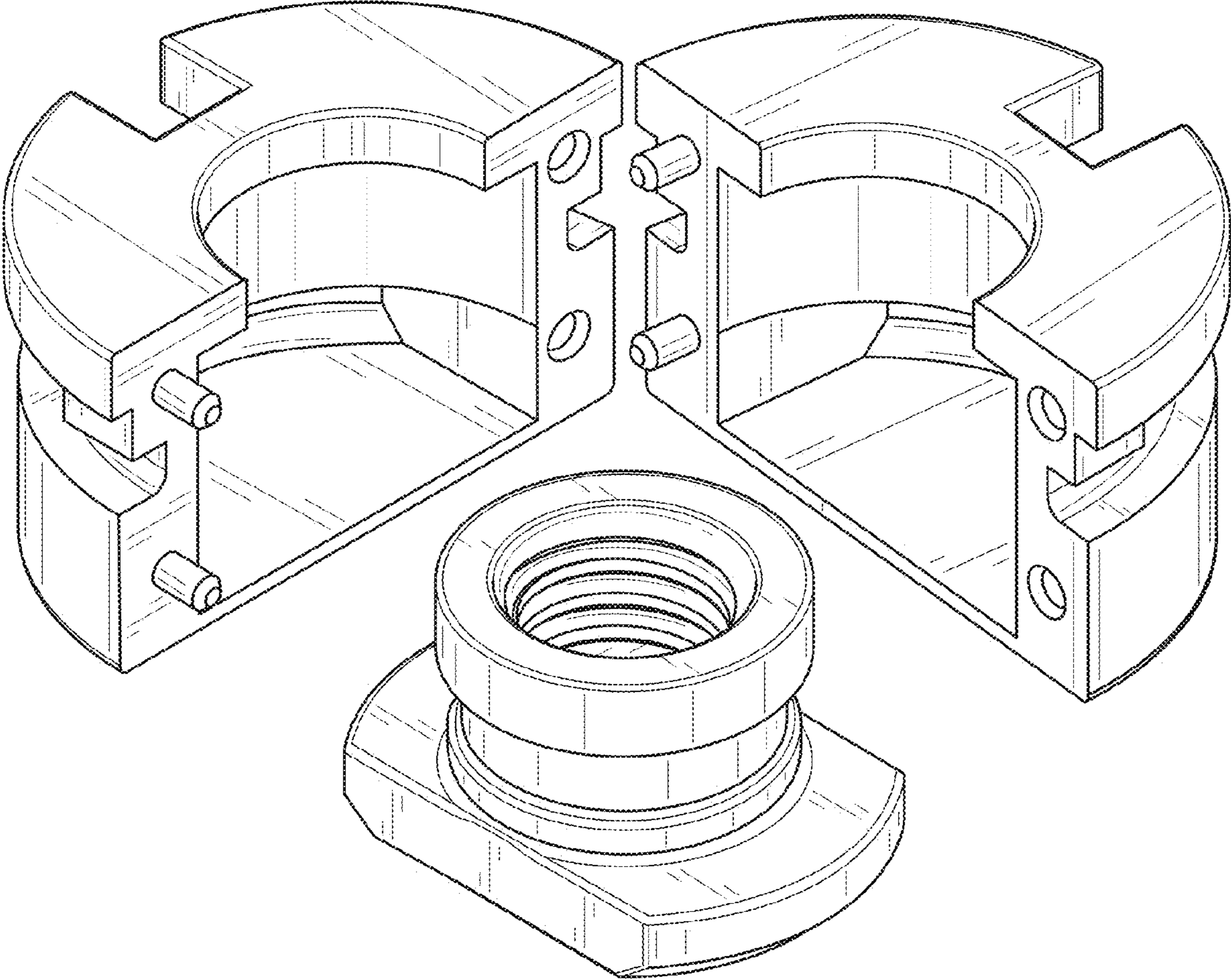


FIG. 15