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

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(54) **HOLE SAW**

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

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

(58) **Field of Classification Search**  
USPC ..... D8/70; D15/132, 133, 138, 139  
CPC .. B25B 5/08; B25B 5/147; B25B 7/00; B25B  
9/00; B23B 51/0426; B23B 51/0453;  
B23B 51/0473; B23B 51/08  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,779,361	A	3/1954	McKiff	
3,025,917	A	3/1962	Knoblauch	
3,495,359	A	2/1970	Smith et al.	
3,880,546	A	4/1975	Segal	
3,973,862	A	4/1976	Segal	
4,072,441	A	2/1978	LaPointe	
4,422,811	A	12/1983	Ellison et al.	
D282,369	S *	1/1986	de Villiers	D15/139
D303,118	S *	8/1989	Cox	D15/139
D391,974	S *	3/1998	Brutscher	D15/139
D392,297	S *	3/1998	Brutscher	D15/139
D438,219	S *	2/2001	Brutscher	D15/139
6,564,887	B2	5/2003	Hong et al.	
D478,106	S	8/2003	Morton et al.	

D478,339	S	8/2003	Morton et al.
D478,919	S	8/2003	Morton et al.
6,857,831	B2	2/2005	Davis
6,890,132	B1	5/2005	Baron et al.

(Continued)

FOREIGN PATENT DOCUMENTS

DE	9204681	8/1992
JP	2005-144568	6/2005
WO	WO 2011/088268	7/2011

OTHER PUBLICATIONS

International Search Report and Written Opinion for International Application No. PCT/US2019/041175, dated Oct. 24, 2019, 13 pages.

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(57) **CLAIM**

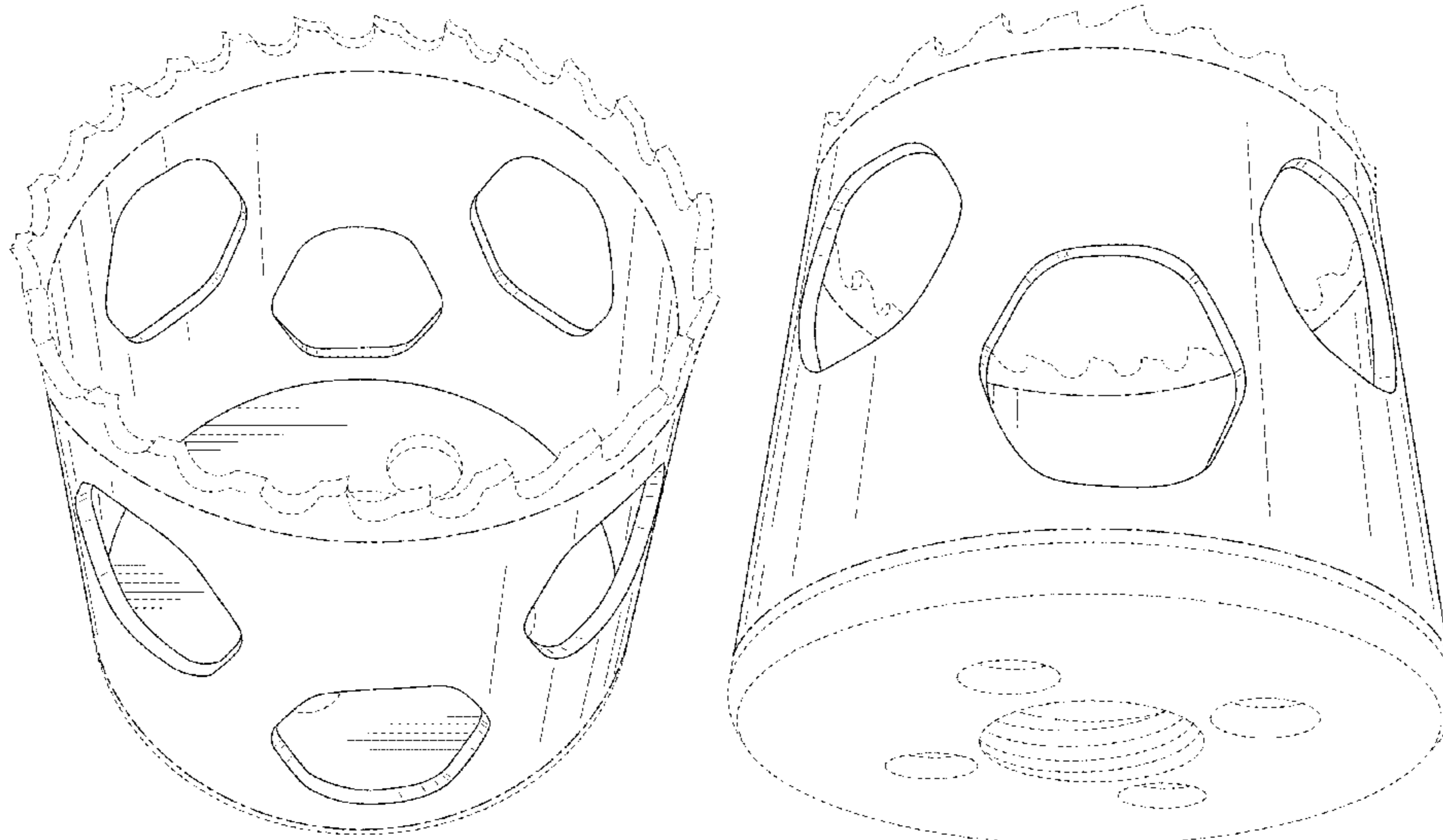
We claim the ornamental design for a hole saw, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a hole saw, according to the new design;  
FIG. 2 is another perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a right side view thereof;  
FIG. 7 is a top view thereof; and,  
FIG. 8 is a bottom view thereof.

The broken lines show portions of a hole saw which form no part of the claimed design. The “dot-dash” broken lines define the bounds of the claimed design, and form no part thereof.

**1 Claim, 8 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D516,594 S	3/2006	Morton		8,790,052 B2	7/2014	Baratta	
D551,269 S *	9/2007	Burke, III	D15/139	8,840,344 B2	9/2014	Stenman	
D588,175 S	3/2009	Morton		D765,159 S *	8/2016	Novak	D15/139
7,658,576 B1	2/2010	Buzdum et al.		2008/0181738 A1	7/2008	Capriotti et al.	
D634,343 S *	3/2011	Burke, III	D15/139	2009/0035082 A1	2/2009	Singh	
8,052,356 B2	11/2011	Singh		2010/0310332 A1	12/2010	Serba	
D659,176 S	5/2012	Novak et al.		2011/0170965 A1	7/2011	Novak et al.	
D664,574 S *	7/2012	Burke, III	D15/139	2011/0170971 A1	7/2011	Novak et al.	
D683,772 S *	6/2013	Wang	D15/139	2011/0170972 A1	7/2011	Zielonka et al.	
D687,472 S	8/2013	Novak et al.		2014/0023446 A1	1/2014	Piller et al.	
D690,334 S	9/2013	Zielonka et al.		2014/0112728 A1	4/2014	Baratta	
D692,470 S *	10/2013	Novak	D15/139	2014/0271007 A1	9/2014	Richter	
8,573,907 B2	11/2013	Kalomeris et al.		2015/0239051 A1	8/2015	Novak et al.	
8,579,555 B2	11/2013	Novak et al.		2016/0354846 A1	12/2016	Heffernan	
D701,544 S *	3/2014	Novak	D15/139	2017/0066064 A1	3/2017	Novak et al.	
D706,845 S *	6/2014	Richter	D15/139	2017/0232530 A1	8/2017	Novak et al.	
D708,650 S *	7/2014	Richter	D15/139	2020/0016667 A1 *	1/2020	Heath	B23B 51/0453
				2020/0282474 A1	9/2020	Bek	
				2021/0086272 A1 *	3/2021	Heath	B23B 51/0406
				2021/0146455 A1	5/2021	Piller et al.	

\* cited by examiner



FIG. 1

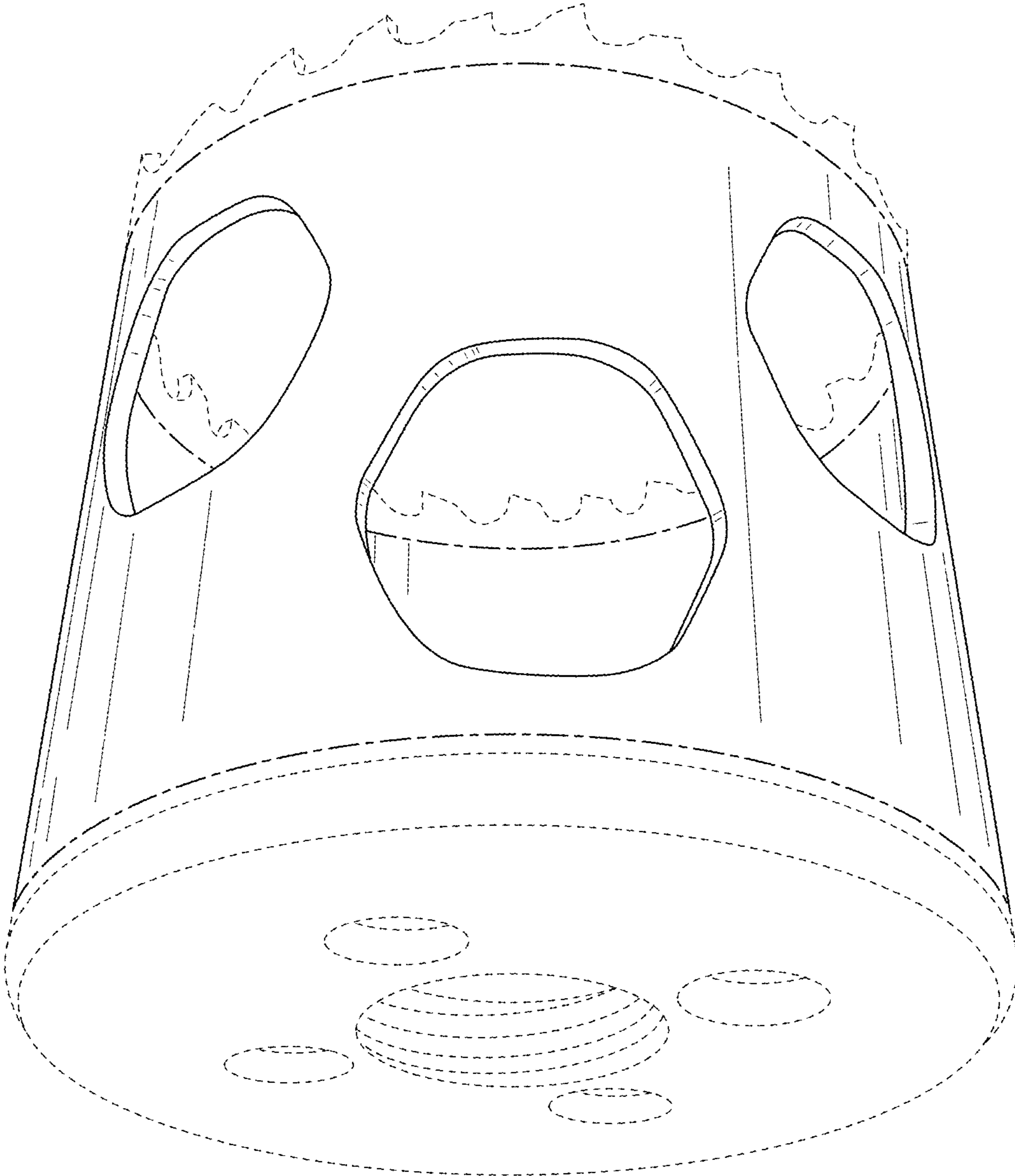


FIG. 2

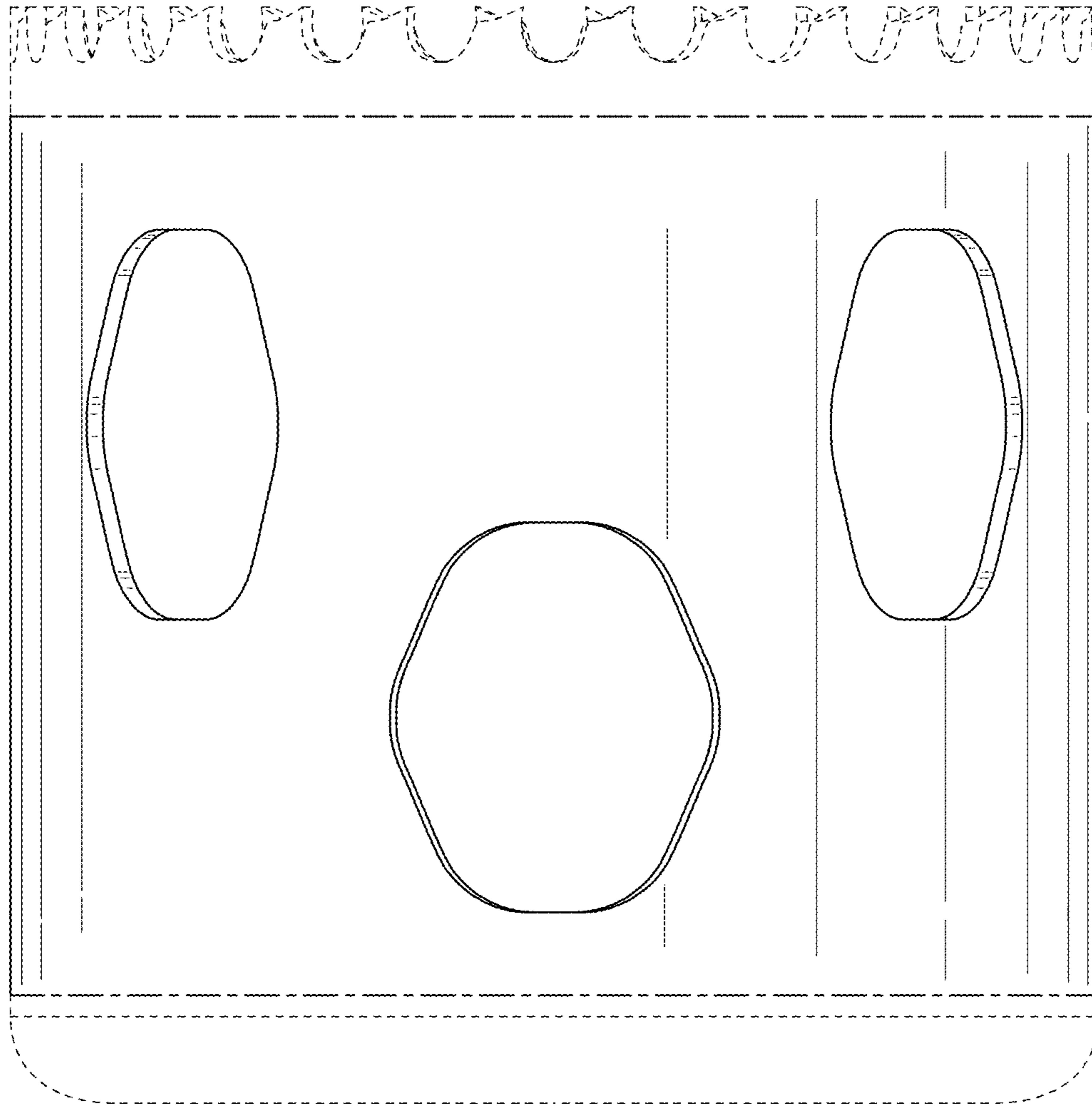


FIG. 3

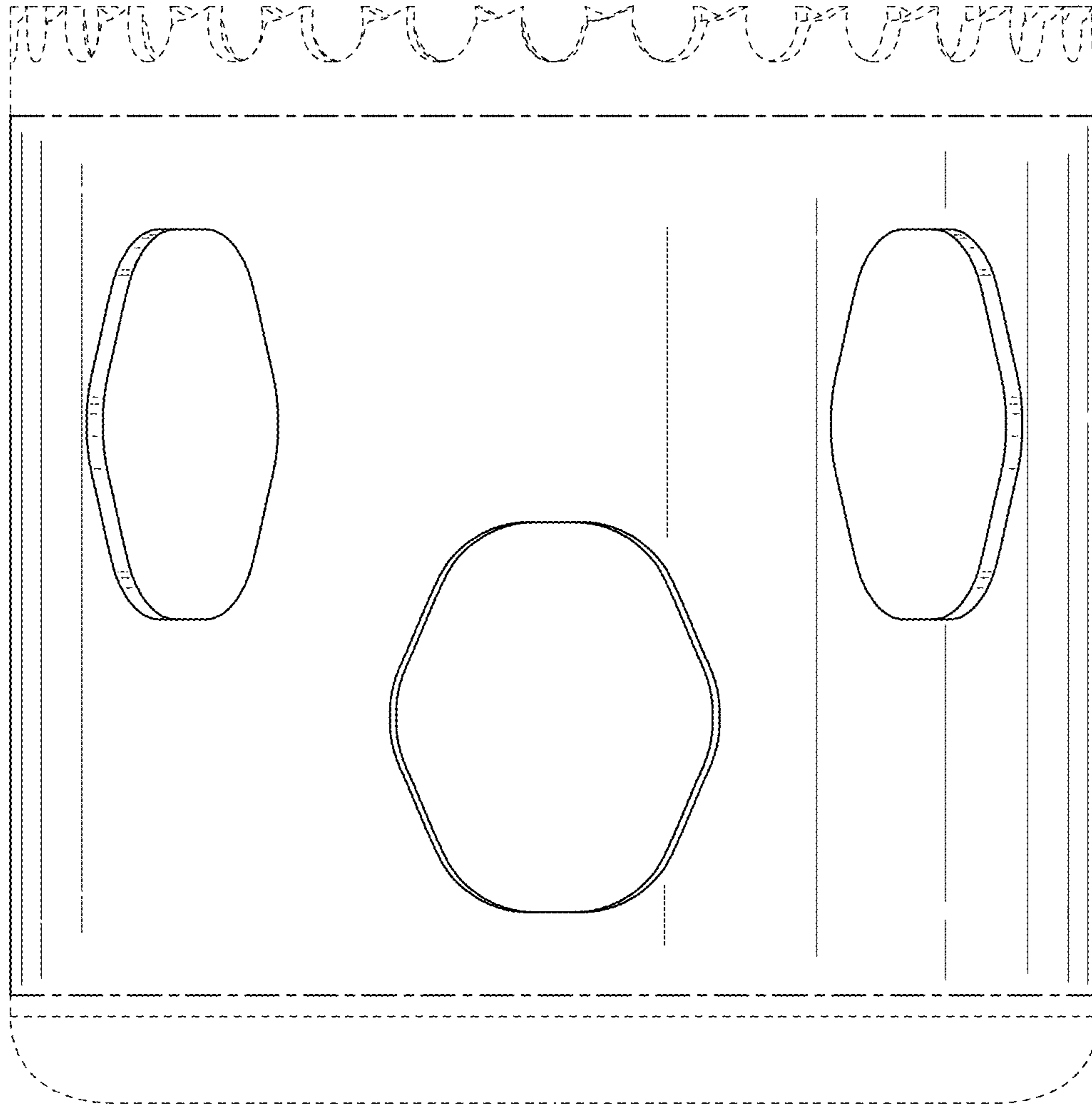


FIG. 4

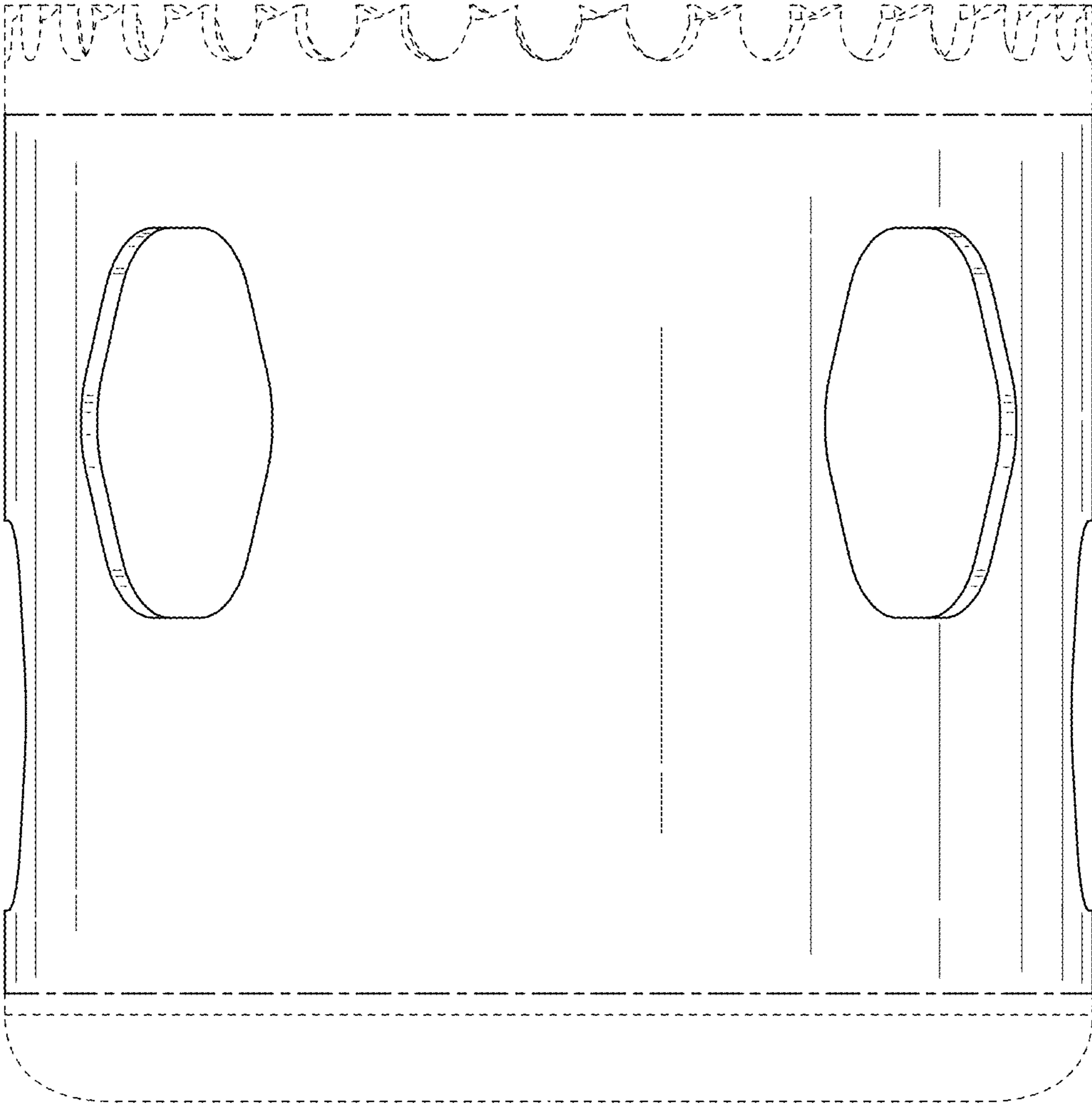


FIG. 5

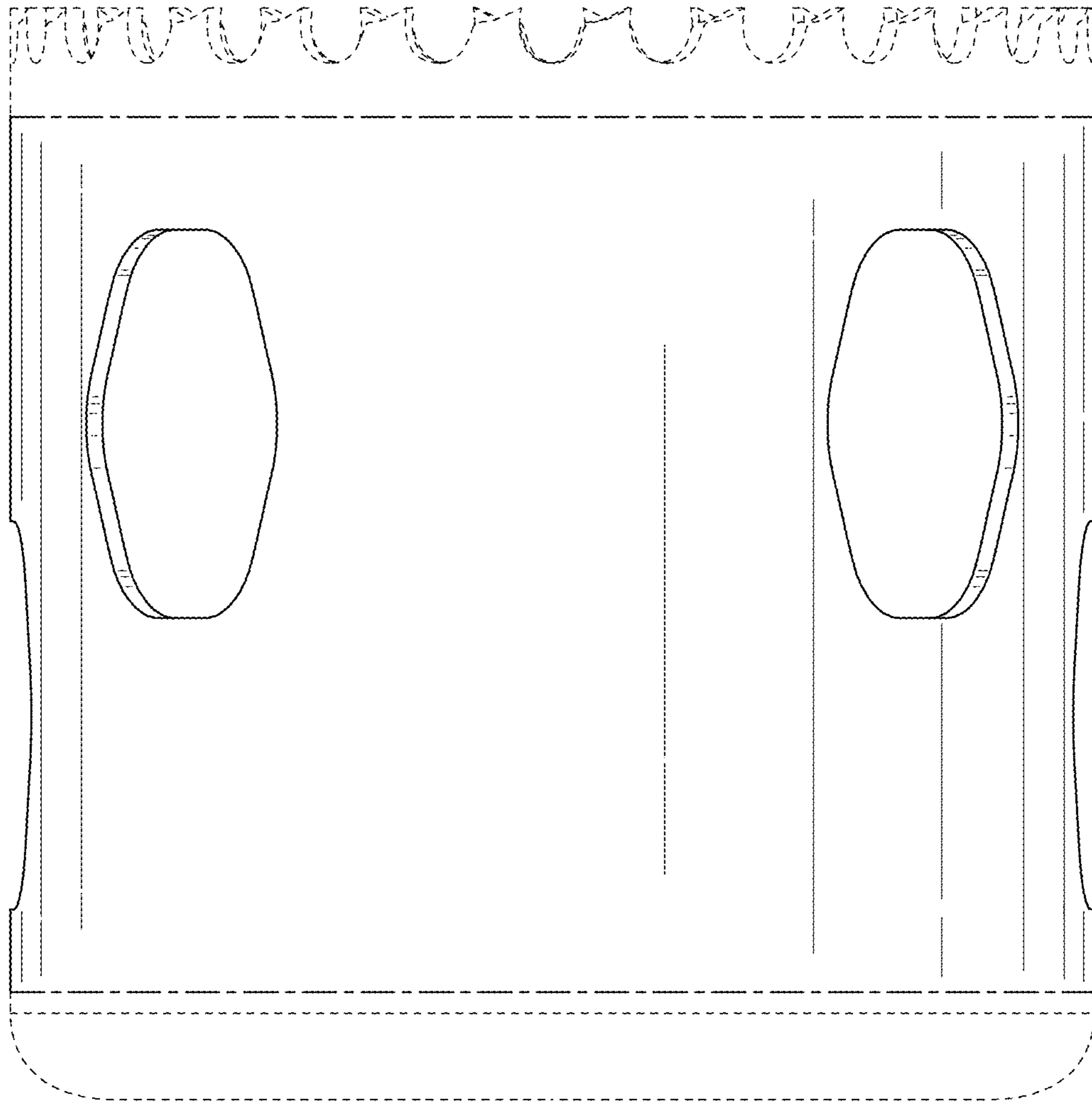


FIG. 6



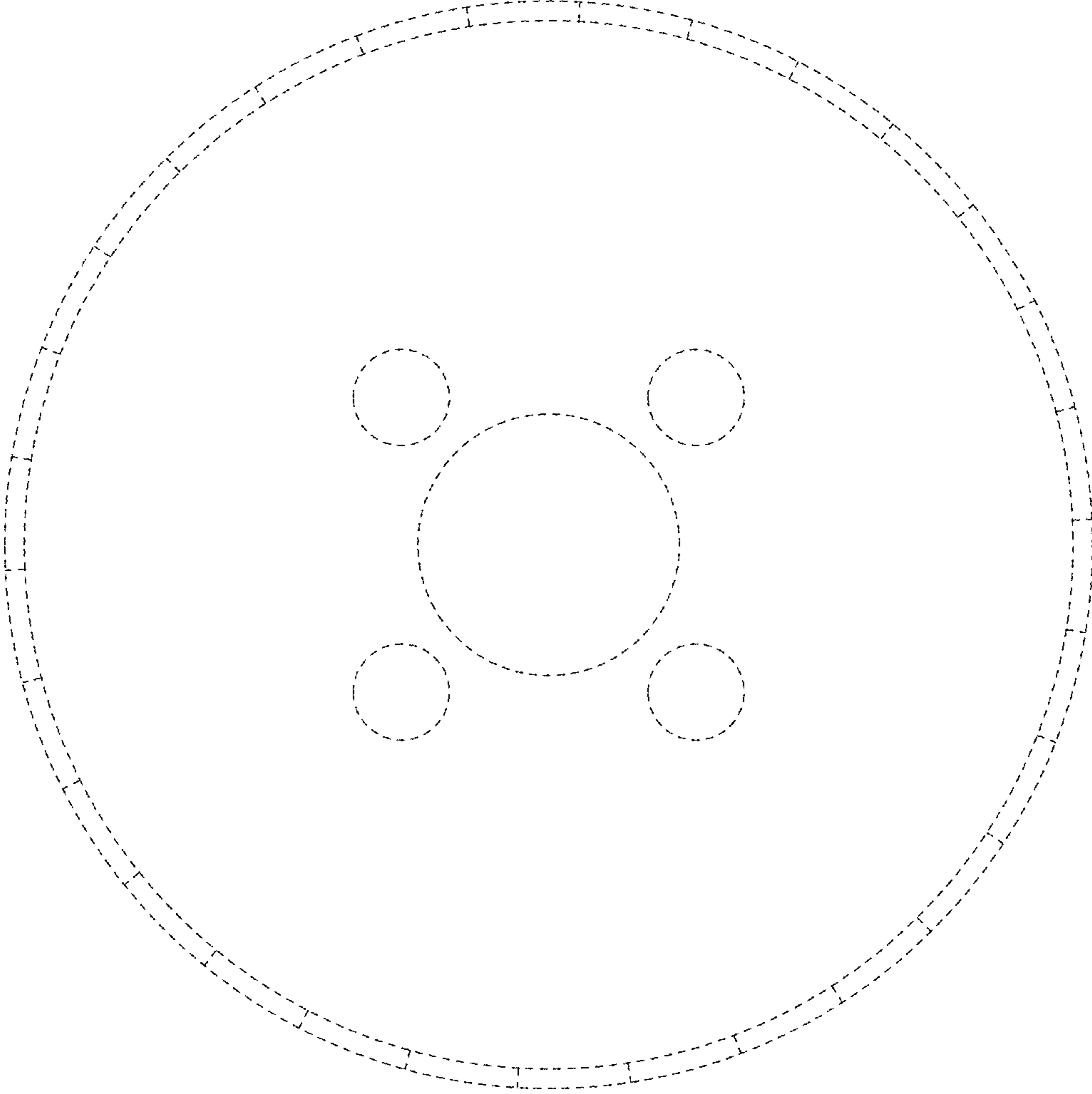
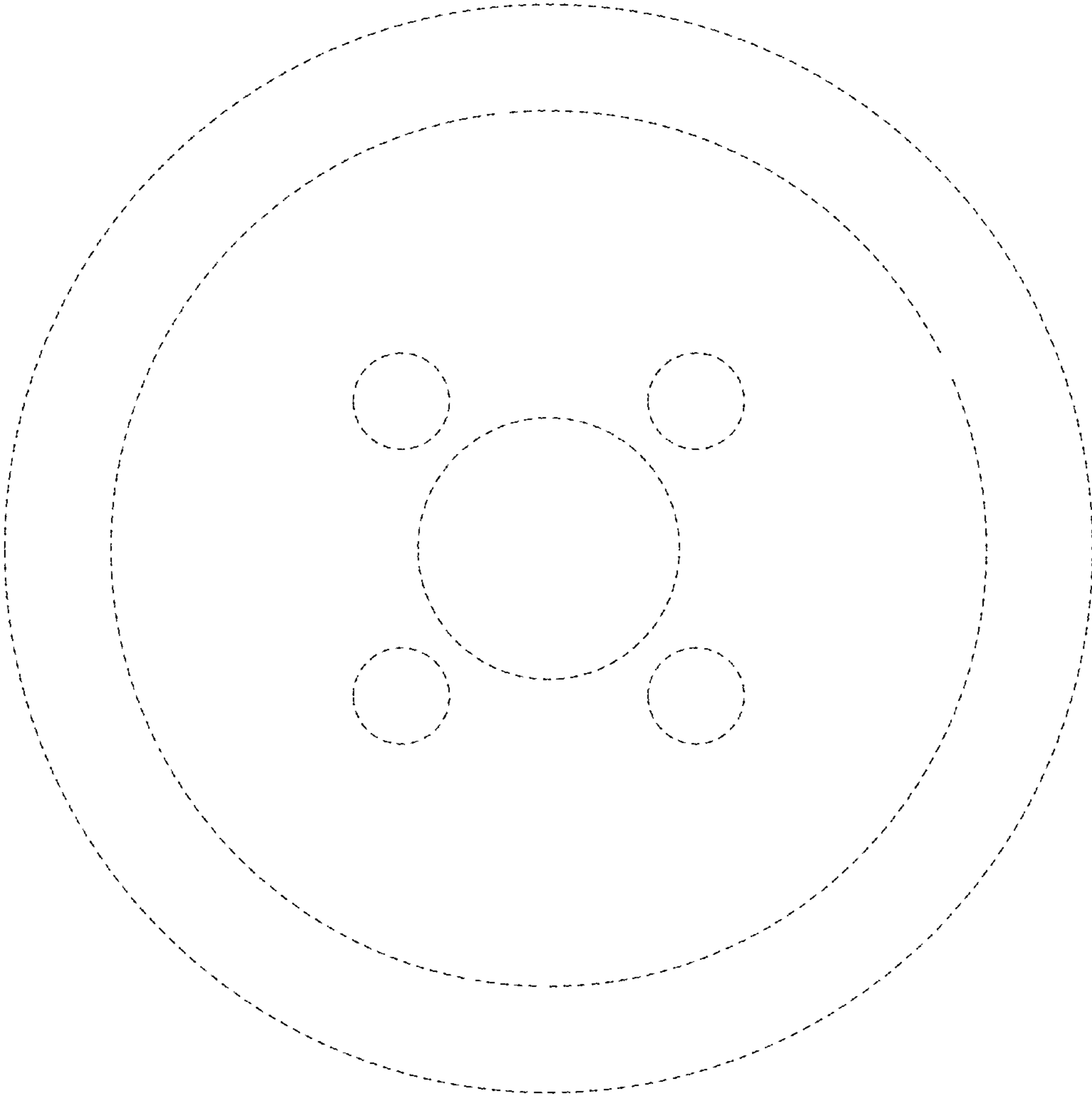


FIG. 7



**FIG. 8**