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(12) **United States Design Patent** (10) **Patent No.:** **US D850,608 S**
Garcia (45) **Date of Patent:** **** Jun. 4, 2019**

(54) **HEAT MOISTURE EXCHANGER**
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(**) Term: **15 Years**
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(52) **U.S. Cl.**
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165/DIG. 407, DIG. 408, DIG. 426;
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128/204.17, 207.14
CPC A61M 16/1045; A61M 16/047; A61M
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See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
2,642,310 A * 6/1953 Meek A61L 9/12
131/231
3,286,872 A * 11/1966 Burdick, Jr. A01M 1/10
220/351
D246,316 S * 11/1977 Hadtke D23/369
D255,047 S * 5/1980 Muller D23/369
D268,361 S * 3/1983 von Philipp D23/369
D268,520 S * 4/1983 LeCaire, Jr. D23/369

D268,613 S * 4/1983 Beacham D23/369
D268,614 S * 4/1983 von Philipp D23/369
4,382,548 A * 5/1983 van der Heijden A61L 9/12
220/282
D269,699 S * 7/1983 May D23/366
D270,468 S * 9/1983 Hoyt D23/369
4,630,775 A * 12/1986 Mandon A01M 1/2044
239/56
D289,919 S * 5/1987 O'Neil, Jr. D23/366
D289,920 S * 5/1987 O'Neil, Jr. D23/366
D323,554 S * 1/1992 Hoyt D23/369
D332,987 S * 2/1993 Der-Jinn D22/120
D334,975 S * 4/1993 Bunce D23/366
5,435,817 A * 7/1995 Davis B01D 46/0095
55/337
D364,676 S * 11/1995 Chiu D23/356
D373,626 S * 9/1996 Dente D23/366
D432,223 S * 10/2000 King D23/366
D433,091 S * 10/2000 Carey D22/122
D464,130 S * 10/2002 Denham D23/366
D491,257 S * 6/2004 Picken, Jr. D23/366
D492,279 S * 6/2004 Lee D14/188

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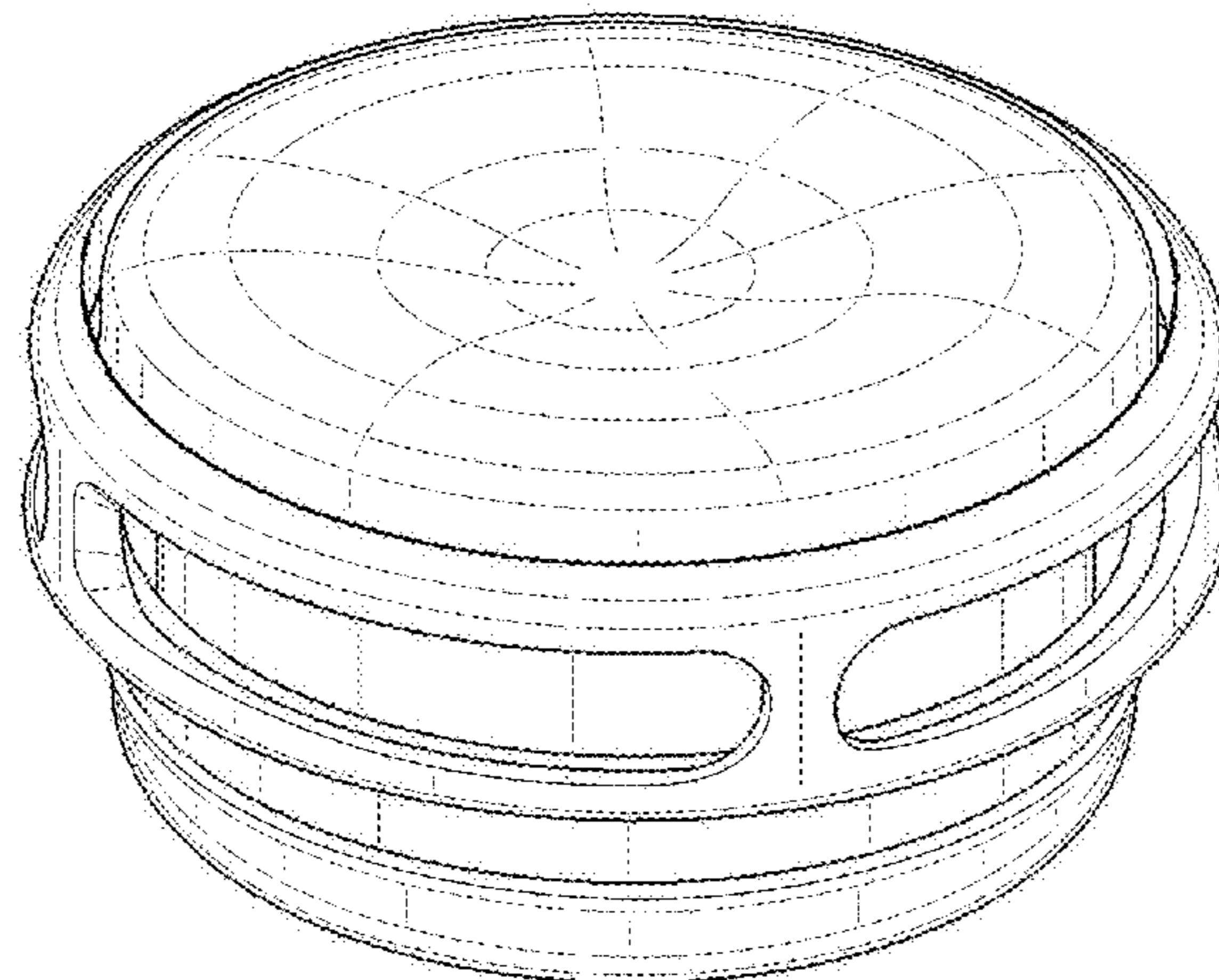
(57) **CLAIM**

The ornamental design for a heat moisture exchanger, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a heat moisture exchanger showing my new design;
FIG. 2 is a front/rear elevation view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof; and,
FIG. 5 is a left/right elevation view thereof.
The broken lines show portions of the design that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,108,731	B2 *	9/2006	Park	.....	A47L 7/04 55/356
D565,715	S *	4/2008	Wu	.....	D23/366
D583,037	S *	12/2008	Kenny	.....	D23/366
7,749,294	B2 *	7/2010	Oh	.....	A47L 5/28 15/319
D700,692	S *	3/2014	Engelhardt	.....	D23/360
D726,895	S *	4/2015	Takatsuka	.....	D23/369
D751,683	S *	3/2016	Furner	.....	D23/368
D753,279	S *	4/2016	Li	.....	D23/366
D755,750	S *	5/2016	Chen	.....	D14/172
D795,408	S *	8/2017	Lin	.....	D23/366
D813,366	S *	3/2018	Tang	.....	D23/366
D819,796	S *	6/2018	Shin	.....	D23/351
D828,529	S *	9/2018	Hu	.....	D23/364
D830,530	S *	10/2018	Webster	.....	D23/366

* cited by examiner

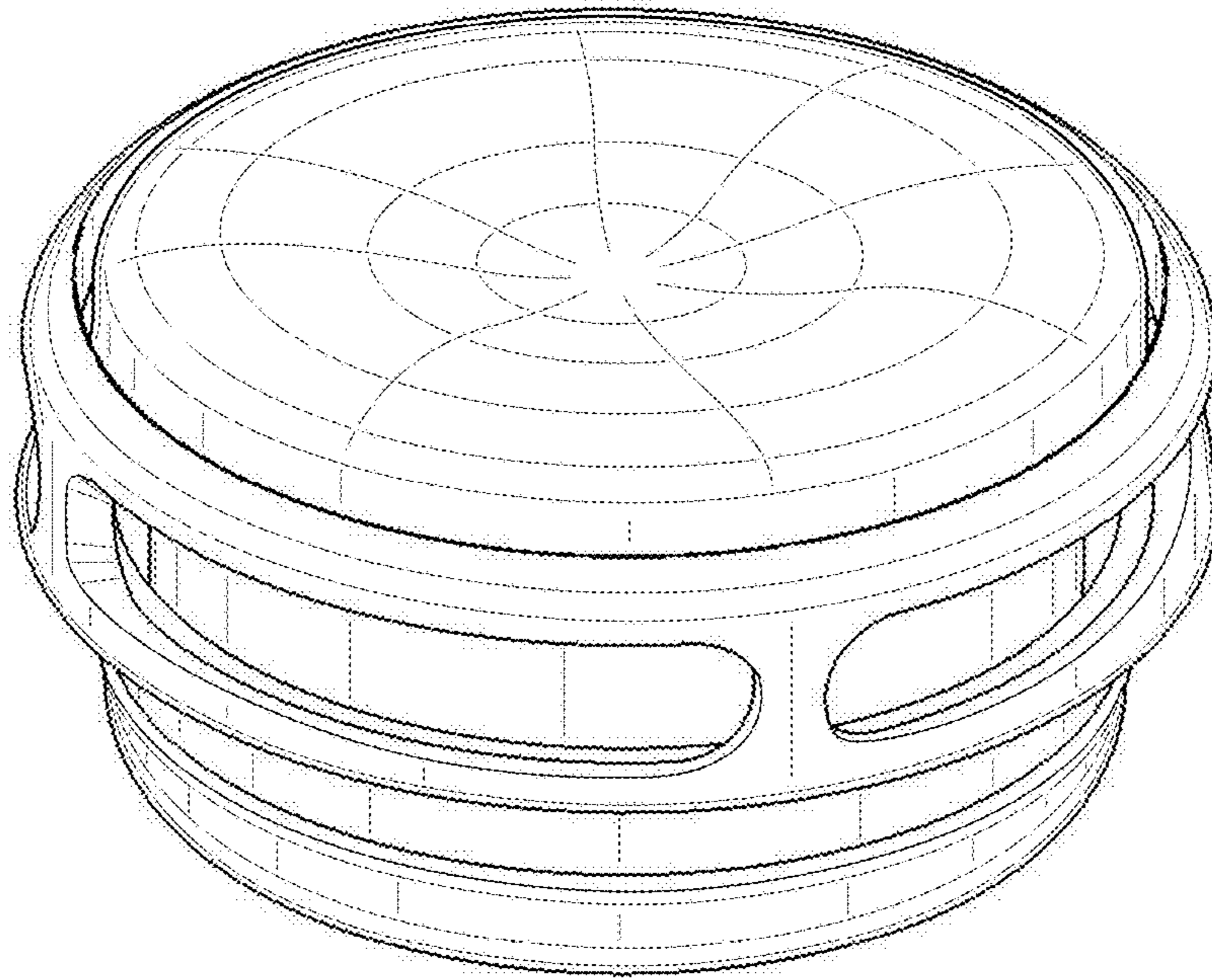


FIG. 1

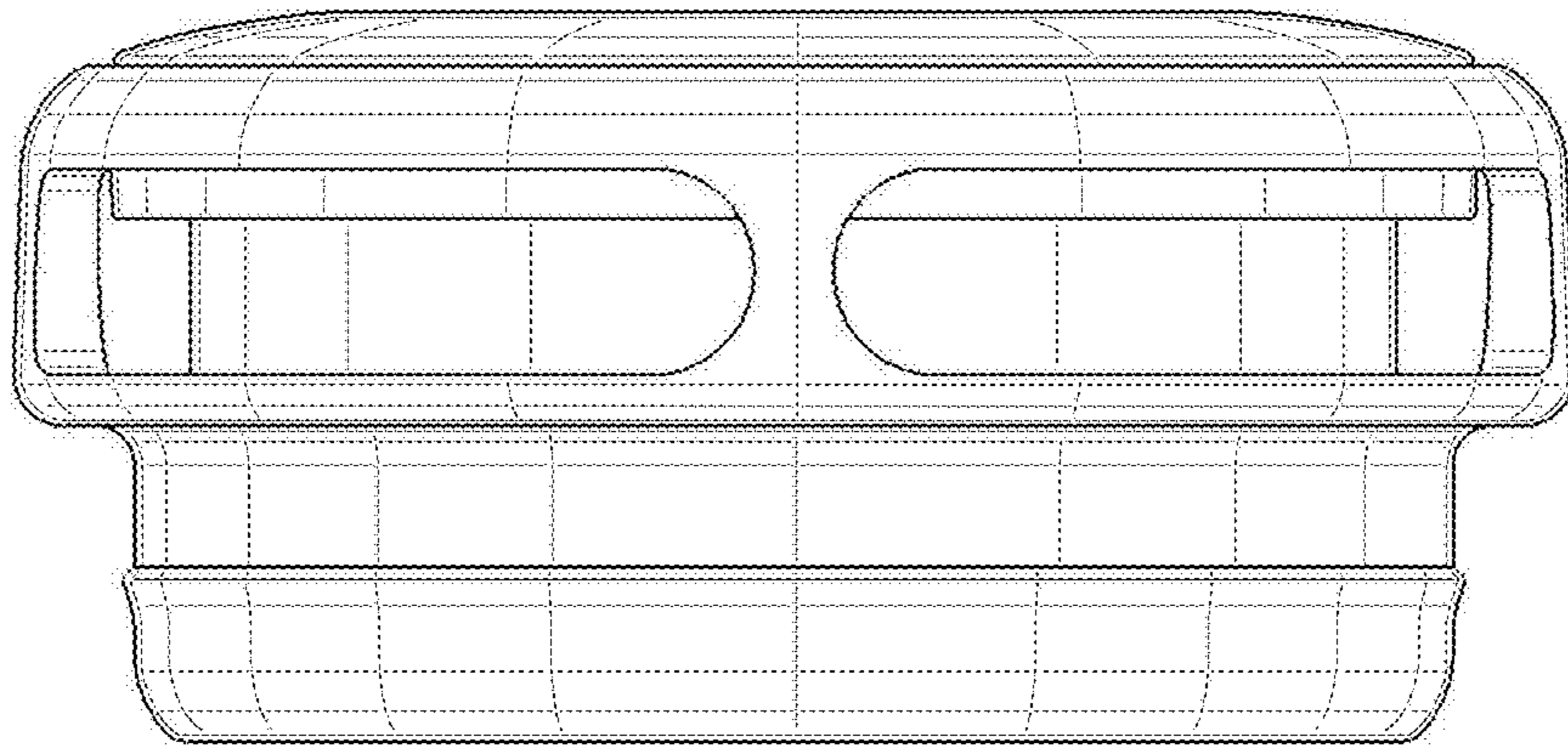


FIG. 2

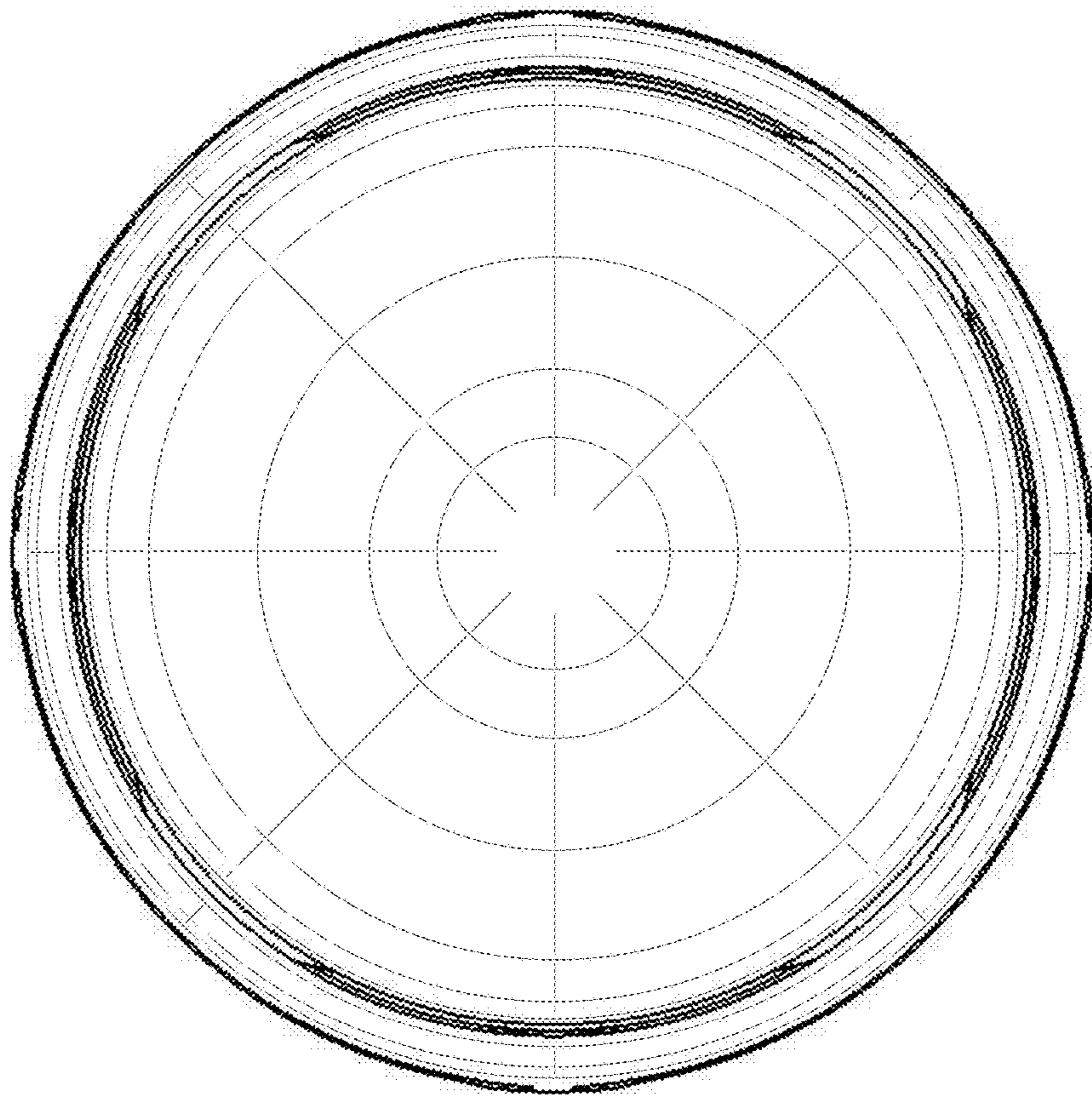


FIG. 3

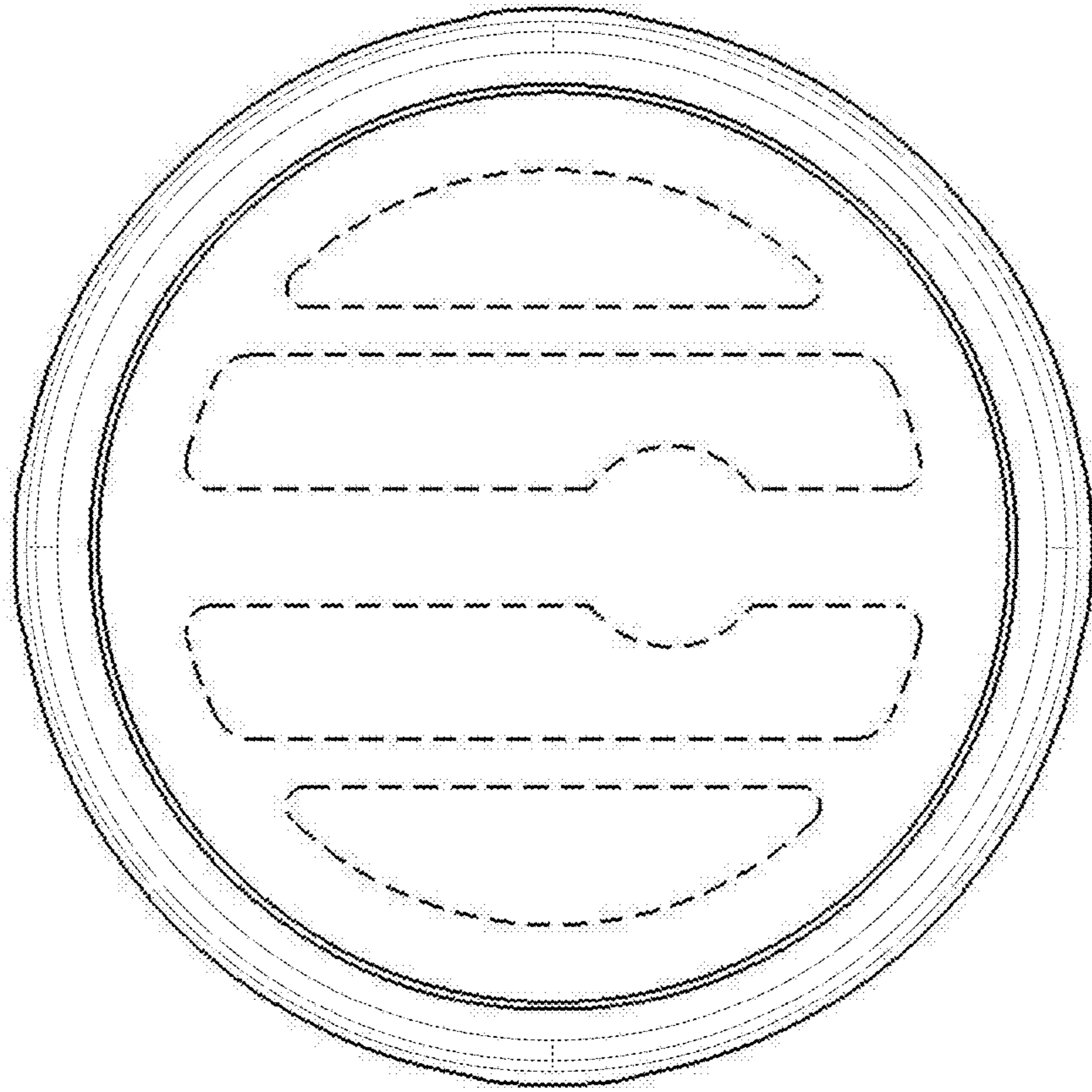


FIG. 4

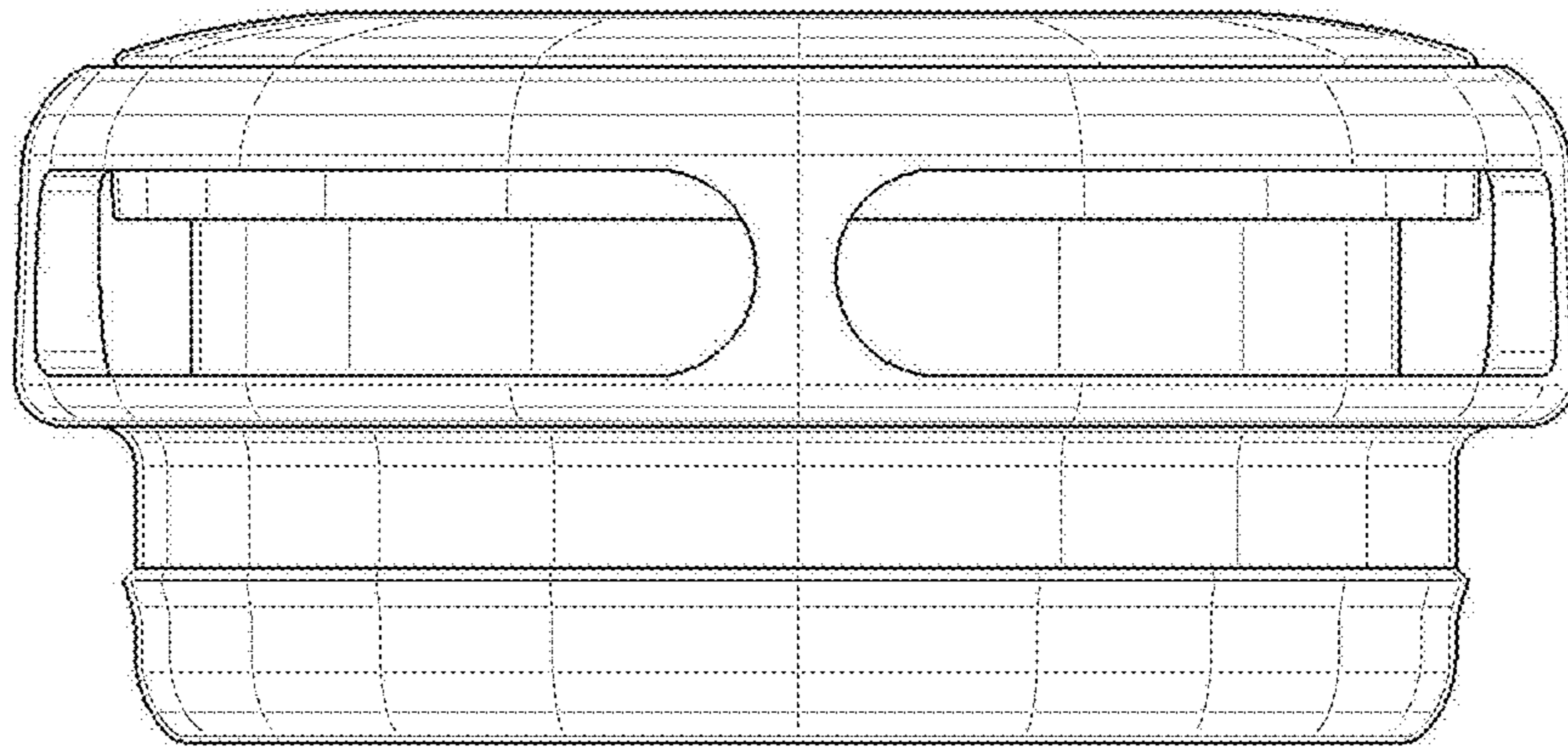


FIG. 5