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

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(45) **Date of Patent:** **** Jun. 28, 2016**

(54) **DRUG DELIVERY SYSTEM**

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

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(51) **LOC (10) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/108**

(58) **Field of Classification Search**
USPC D24/107, 108, 111–113, 127, 128;
604/67, 181, 184, 187, 151, 180
CPC A61M 5/32; A61M 5/00; A61M 5/20;
A61M 5/178; A61M 5/14248; A61M 5/145;
A61M 5/158; A61M 5/2033; A61M
2037/0023

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D423,102	S *	4/2000	Mertenat	.....	D24/169
D554,253	S *	10/2007	Kornerup	.....	D24/108
D564,087	S *	3/2008	Yodfat et al.	.....	D24/108
D576,267	S *	9/2008	Mogensen et al.	.....	D24/108
D602,586	S *	10/2009	Foley et al.	.....	D24/113
7,713,258	B2 *	5/2010	Adams et al.	.....	604/513
7,713,262	B2 *	5/2010	Adams et al.	.....	604/890.1
D619,245	S *	7/2010	Moga et al.	.....	D24/113
D629,503	S *	12/2010	Caffey et al.	.....	D24/108
7,927,306	B2 *	4/2011	Cross et al.	.....	604/151
7,931,621	B2 *	4/2011	Cross et al.	.....	604/158
7,976,493	B2 *	7/2011	Carter et al.	.....	604/67

D672,031	S *	12/2012	Hunt et al.	.....	D24/107
D678,998	S *	3/2013	Galbriath et al.	.....	D24/108
D685,083	S *	6/2013	Schneider et al.	.....	D24/108
D685,084	S *	6/2013	Guarraia et al.	.....	D24/108
D687,140	S *	7/2013	Guarraia et al.	.....	D24/108
D687,141	S *	7/2013	Schneider et al.	.....	D24/108
D687,536	S *	8/2013	Guarraia et al.	.....	D24/108
D688,784	S *	8/2013	Schneider et al.	.....	D24/108
8,668,675	B2 *	3/2014	Chase et al.	.....	604/187
2004/0044306	A1 *	3/2004	Lynch et al.	.....	604/93.01
2009/0012472	A1 *	1/2009	Ahm et al.	.....	604/138
2009/0198215	A1 *	8/2009	Chong et al.	.....	604/506
2009/0240240	A1 *	9/2009	Hines et al.	.....	604/890.1
2009/0254041	A1 *	10/2009	Krag et al.	.....	604/180
2010/0049128	A1 *	2/2010	McKenzie et al.	.....	604/135
2011/0172609	A1 *	7/2011	Moga et al.	.....	604/272
2011/0172637	A1 *	7/2011	Moga et al.	.....	604/506
2011/0172638	A1 *	7/2011	Moga et al.	.....	604/506
2011/0172639	A1 *	7/2011	Moga et al.	.....	604/506
2011/0172645	A1 *	7/2011	Moga et al.	.....	604/890.1
2014/0107580	A1 *	4/2014	Momose	604/151

FOREIGN PATENT DOCUMENTS

WO WO 2012153295 A2 11/2012

* cited by examiner

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Assistant Examiner — Lilyana Bekic

(74) *Attorney, Agent, or Firm* — Cooley LLP

(57) **CLAIM**

We claim the ornamental design for a drug delivery system, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a control unit in a drug delivery system;
FIG. 2 is a side view of the control unit in the drug delivery system;
FIG. 3 is another side view of the control unit in the drug delivery system;
FIG. 4 is a back side view of the control unit in the drug delivery system;
FIG. 5 is a front side view of the control unit in the drug delivery system;

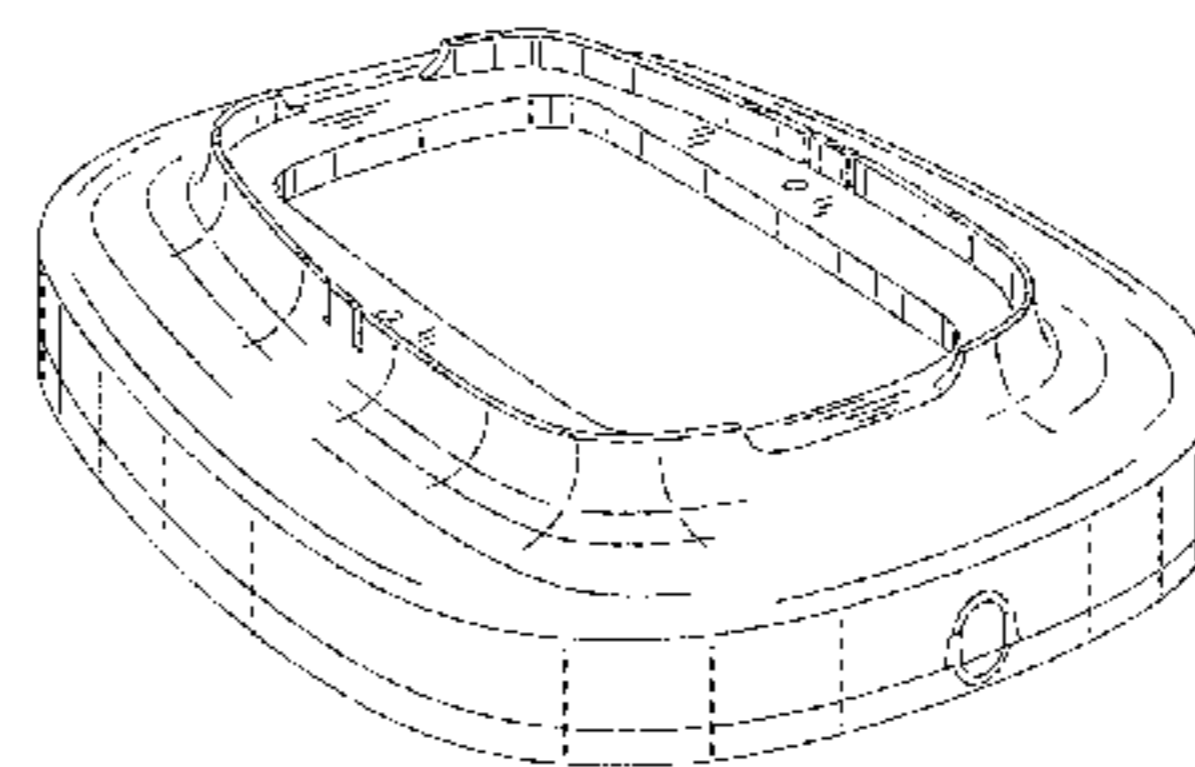
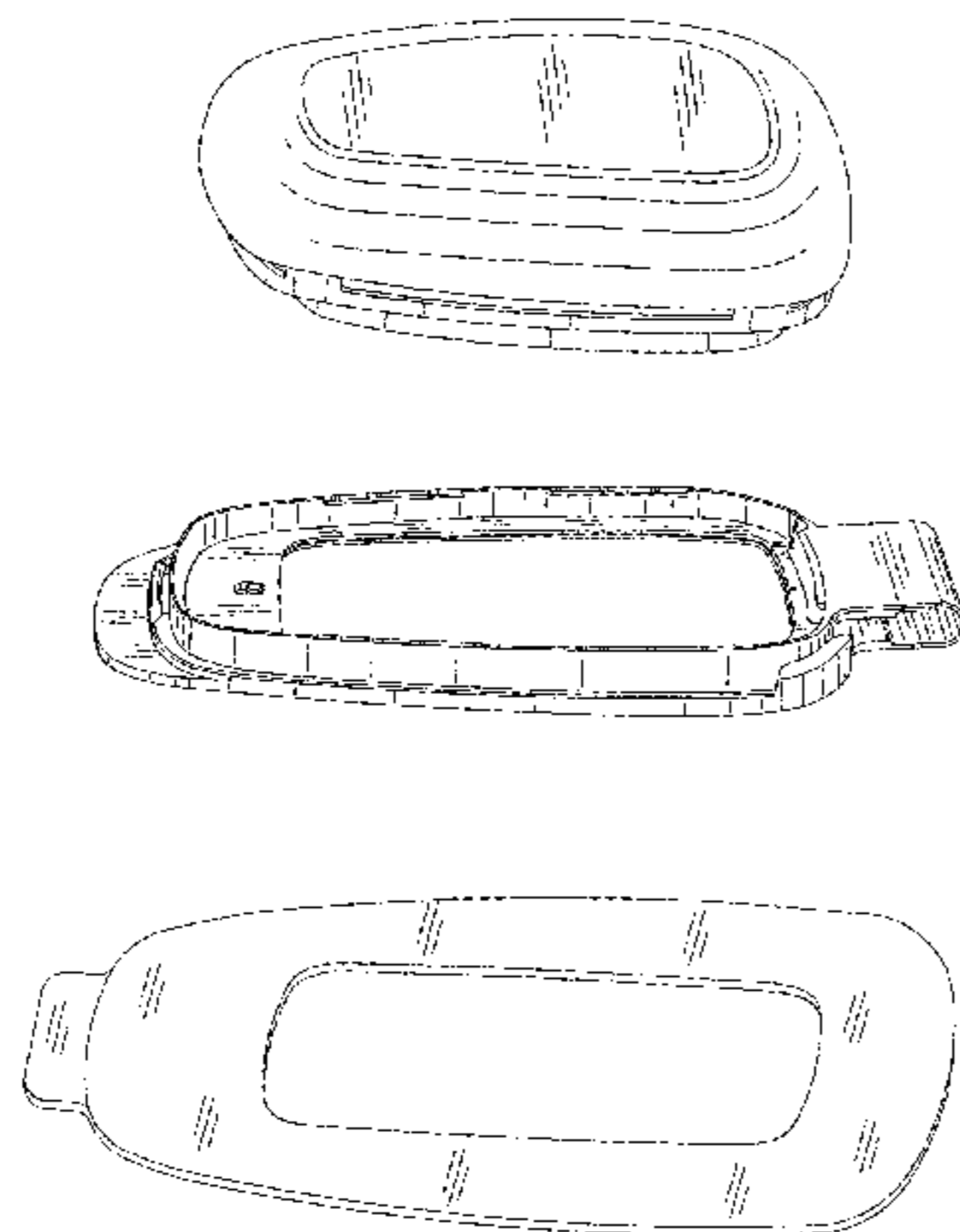


FIG. 6 is a top view of the control unit in the drug delivery system;
FIG. 7 is a bottom view of the control unit in the drug delivery system;
FIG. 8 is a perspective view of the control unit being coupled to an injection window in the drug delivery system;
FIG. 9 is a side view of the control unit being coupled to the injection window in the drug delivery system;
FIG. 10 is another side view of the control unit being coupled to the injection window in the drug delivery system;
FIG. 11 is a front view of the control unit being coupled to the injection window in the drug delivery system;
FIG. 12 is a back view of the control unit being coupled to the injection window in the drug delivery system;
FIG. 13 is a top view of the control unit being coupled to the injection window in the drug delivery system;
FIG. 14 is a bottom view of the control unit being coupled to the injection window in the drug delivery system;
FIG. 15 is an exploded perspective view of the control unit and the injection window in the drug delivery system;
FIG. 16 is a perspective view of the control unit being coupled to an injection window and an adhesive element in the drug delivery system;
FIG. 17 is a side view of the control unit being coupled to the injection window and the adhesive element in the drug delivery system;
FIG. 18 is another side view of the control unit being coupled to the injection window and the adhesive element in the drug delivery system;
FIG. 19 is a front view of the control unit being coupled to the injection window and the adhesive element in the drug delivery system;
FIG. 20 is a back view of the control unit being coupled to the injection window and the adhesive element in the drug delivery system;
FIG. 21 is a top view of the control unit being coupled to the injection window and the adhesive element in the drug delivery system;
FIG. 22 is a bottom view of the control unit being coupled to the injection window and the adhesive element in the drug delivery system;
FIG. 23 is an exploded perspective view of the control unit and the injection window and the adhesive element in the drug delivery system;
FIG. 24 is a perspective view of the injection window in a folded state in the drug delivery system;

FIG. 25 is a side view of the injection window in the folded state in the drug delivery system;
FIG. 26 is another side view of the injection window in the folded state in the drug delivery system;
FIG. 27 is a front view of the injection window in the folded state in the drug delivery system;
FIG. 28 is a back view of the injection window in the folded state in the drug delivery system;
FIG. 29 is a top view of the injection window in the folded state in the drug delivery system;
FIG. 30 is a bottom view of the injection window in the folded state in the drug delivery system;
FIG. 31 is a perspective view of the injection window in an unfolded state in the drug delivery system;
FIG. 32 is a side view of the injection window in the unfolded state in the drug delivery system;
FIG. 33 is another side view of the injection window in the unfolded state in the drug delivery system;
FIG. 34 is a front view of the injection window in the unfolded state in the drug delivery system;
FIG. 35 is a back view of the injection window in the unfolded state in the drug delivery system;
FIG. 36 is a top view of the injection window in the unfolded state in the drug delivery system;
FIG. 37 is a bottom view of the injection window in the unfolded state in the drug delivery system;
FIG. 38 is a top and back perspective view of a charging element in the drug delivery system;
FIG. 39 is a front view of the charging element in the drug delivery system;
FIG. 40 is a back view of the charging element in the drug delivery system;
FIG. 41 is a side view of the charging element in the drug delivery system;
FIG. 42 is another side view of the charging element in the drug delivery system;
FIG. 43 is a top view of the charging element in the drug delivery system;
FIG. 44 is a bottom view of the charging element in the drug delivery system; and,
FIG. 45 is a front perspective view of a charging element in the drug delivery system.
The claimed design is directed to the collective appearance of the control unit, injection window, adhesive element, and charging element of the drug delivery system.

1 Claim, 39 Drawing Sheets

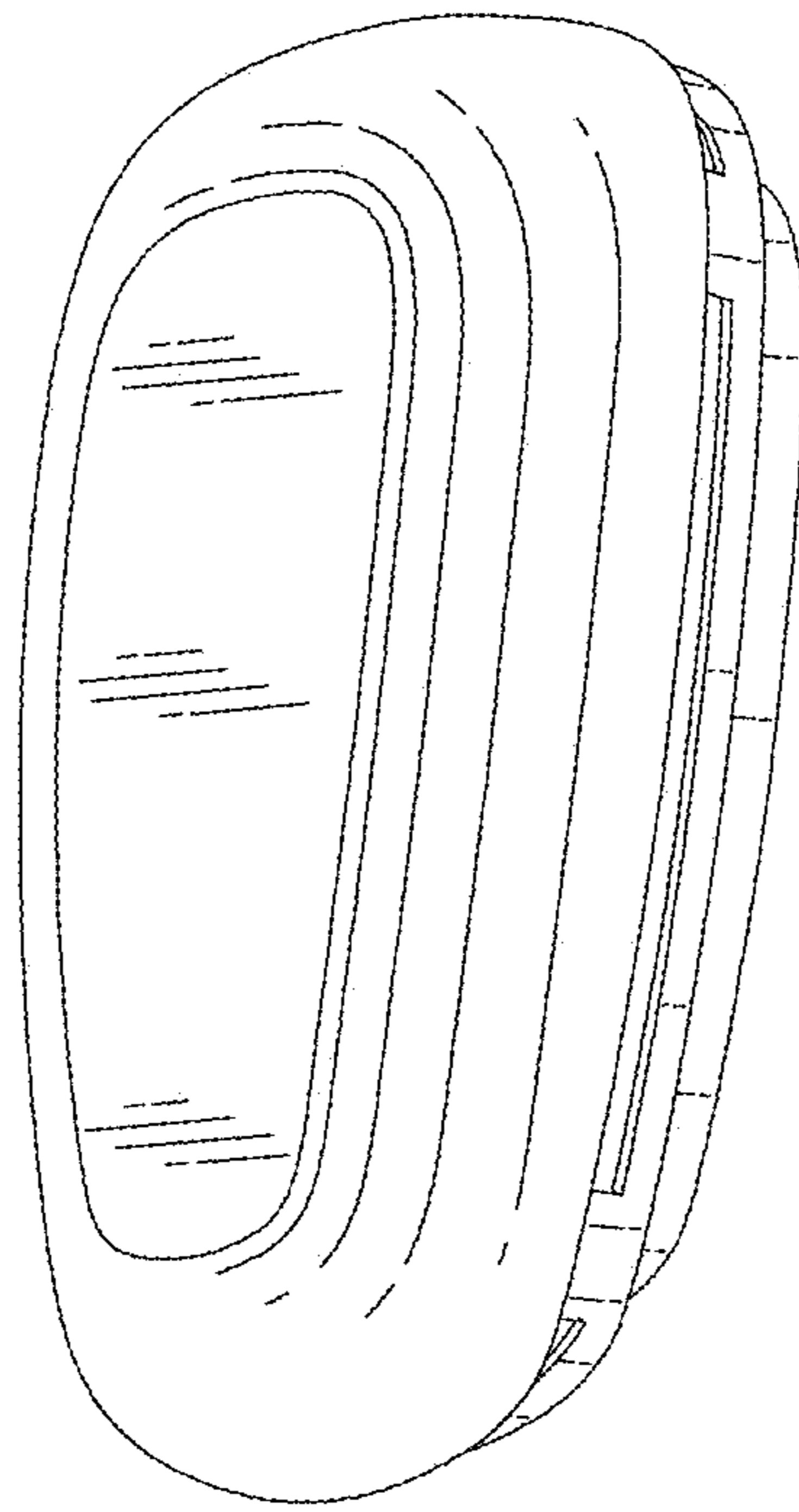


FIG. 1

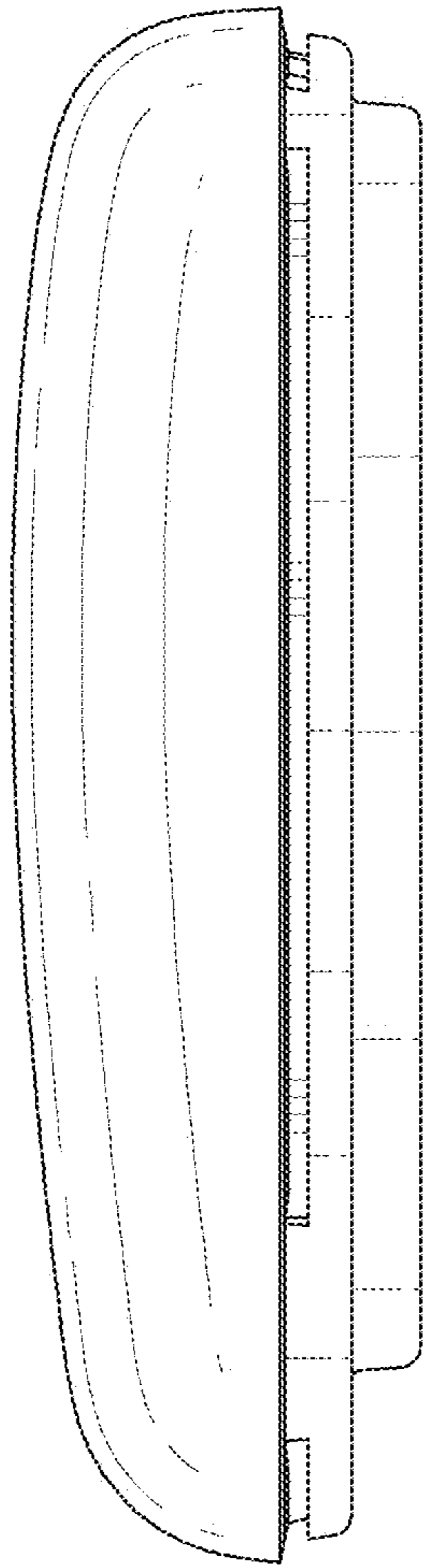


FIG. 2

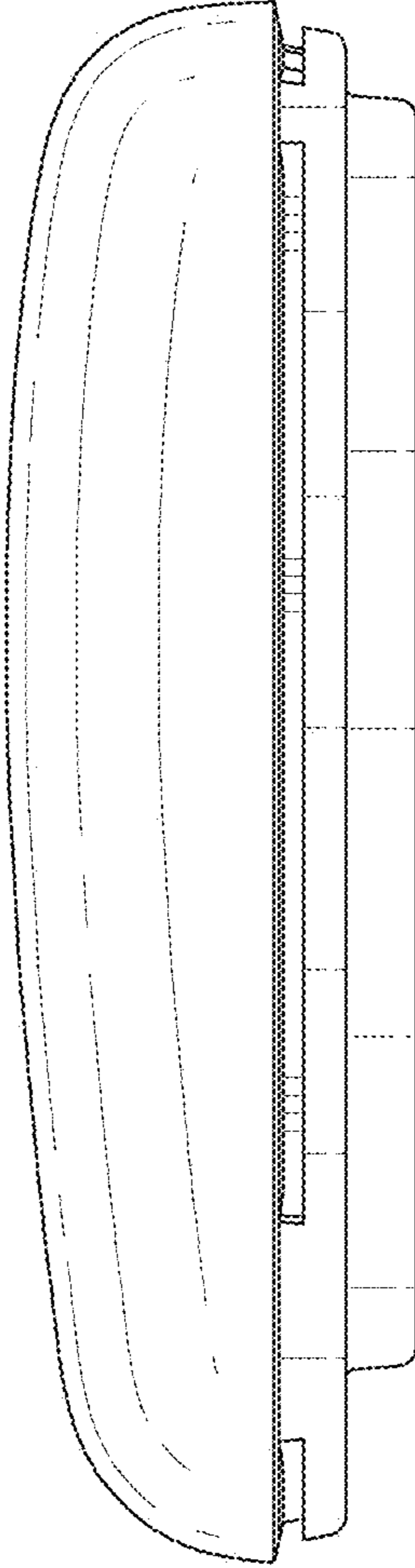


FIG. 3

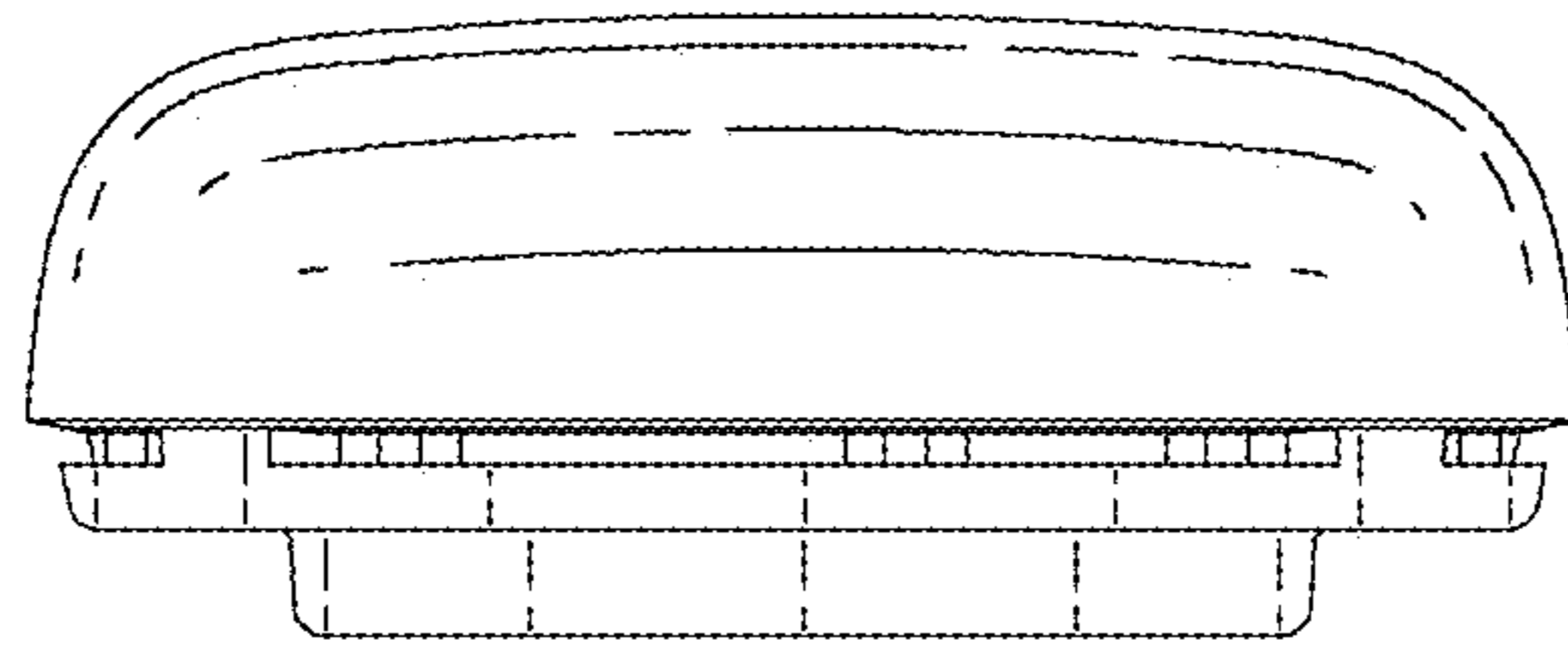


FIG. 4

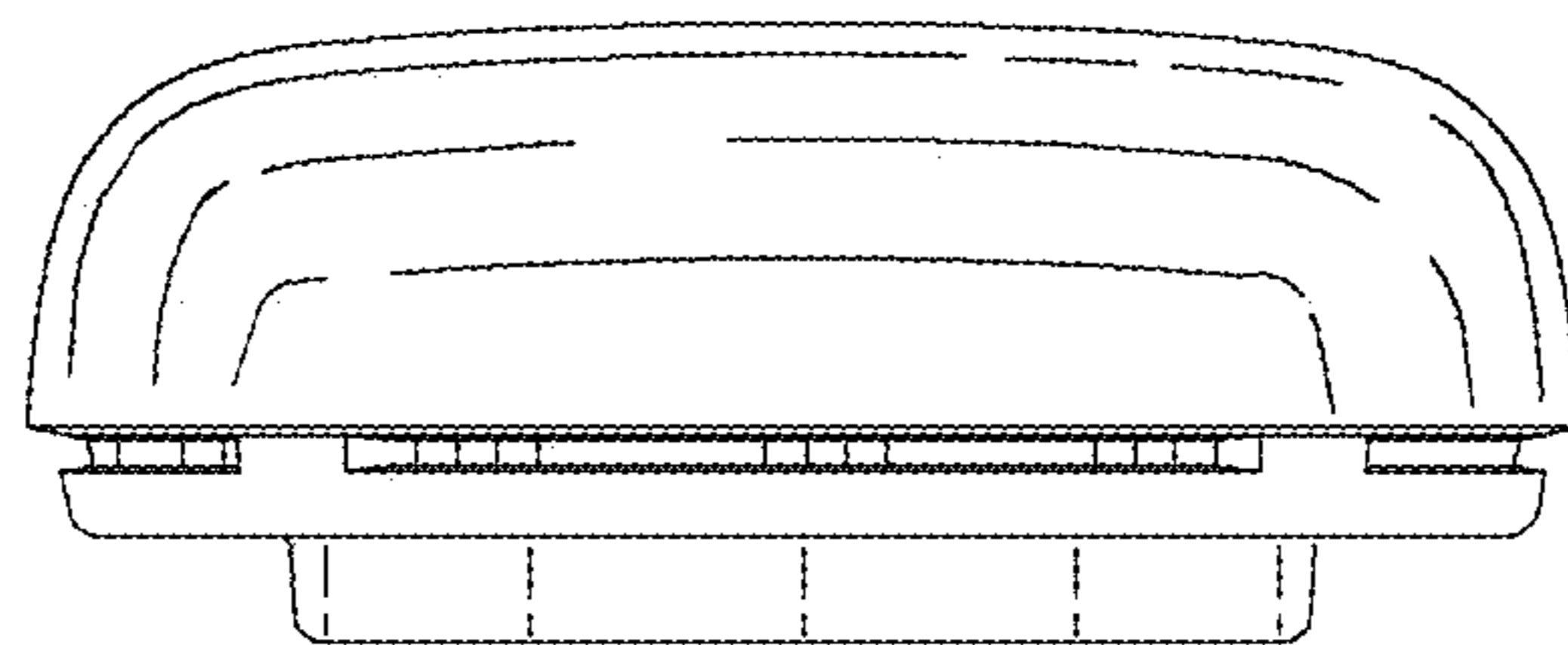


FIG. 5

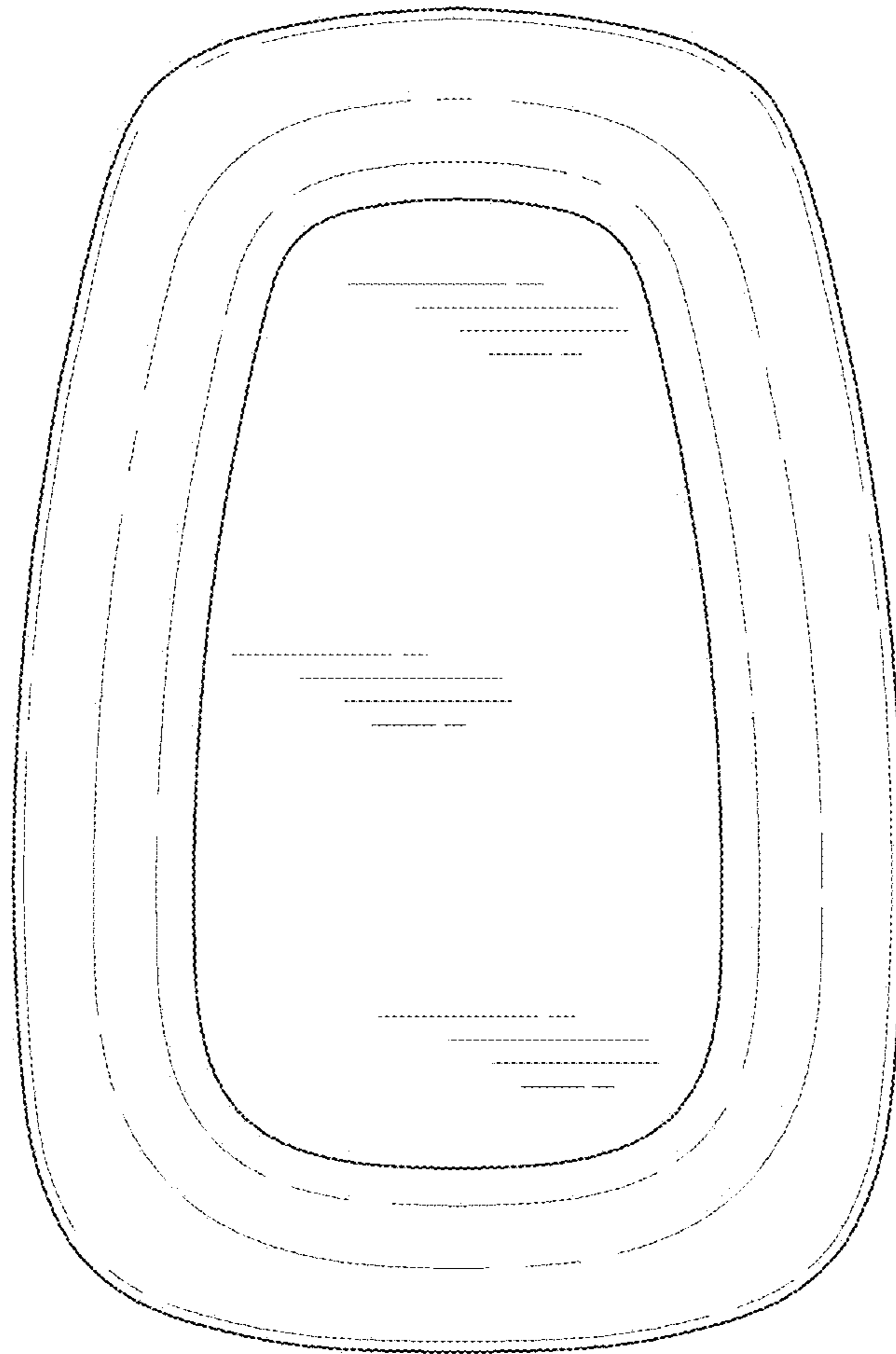


FIG. 6

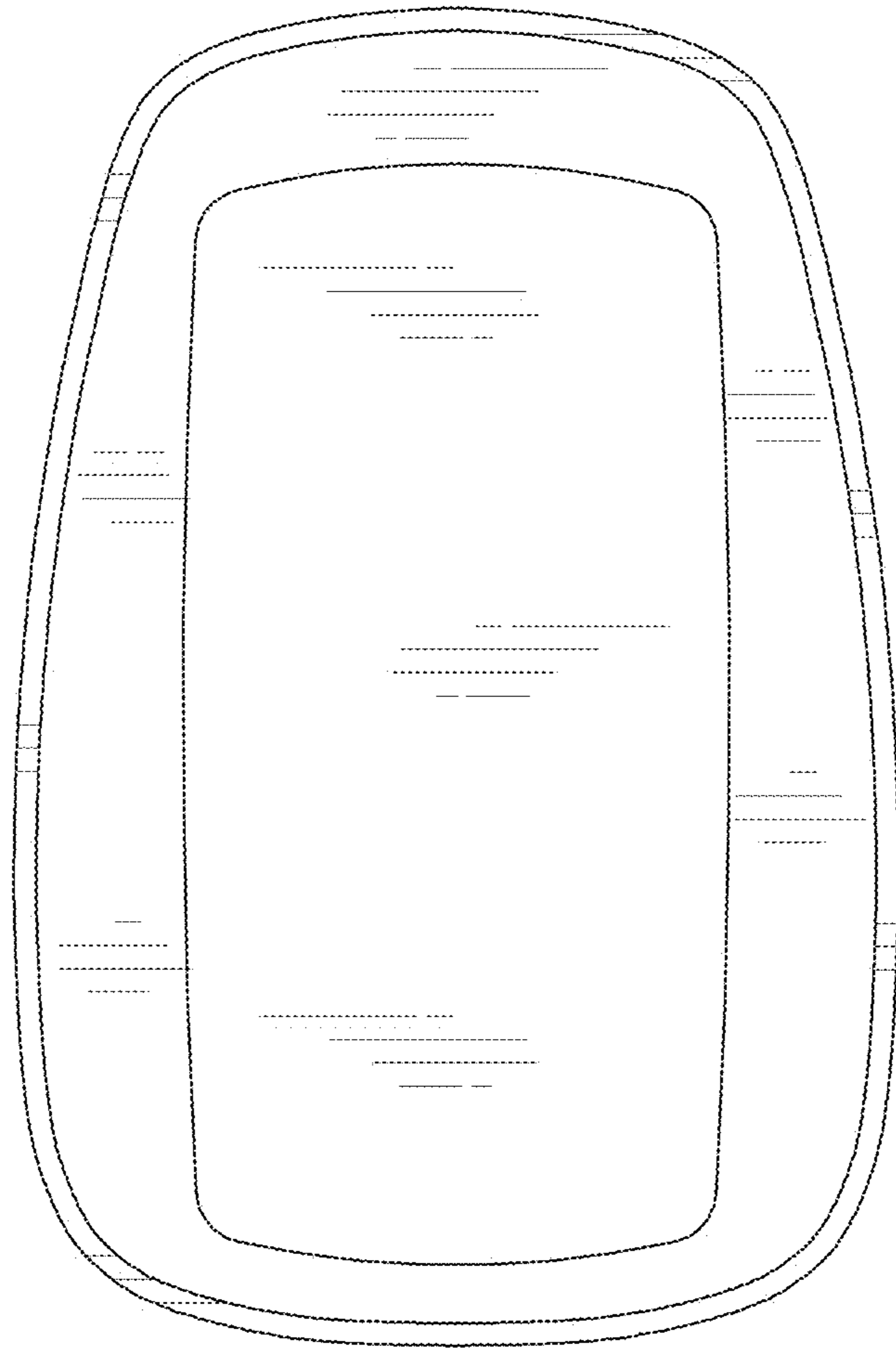


FIG. 7

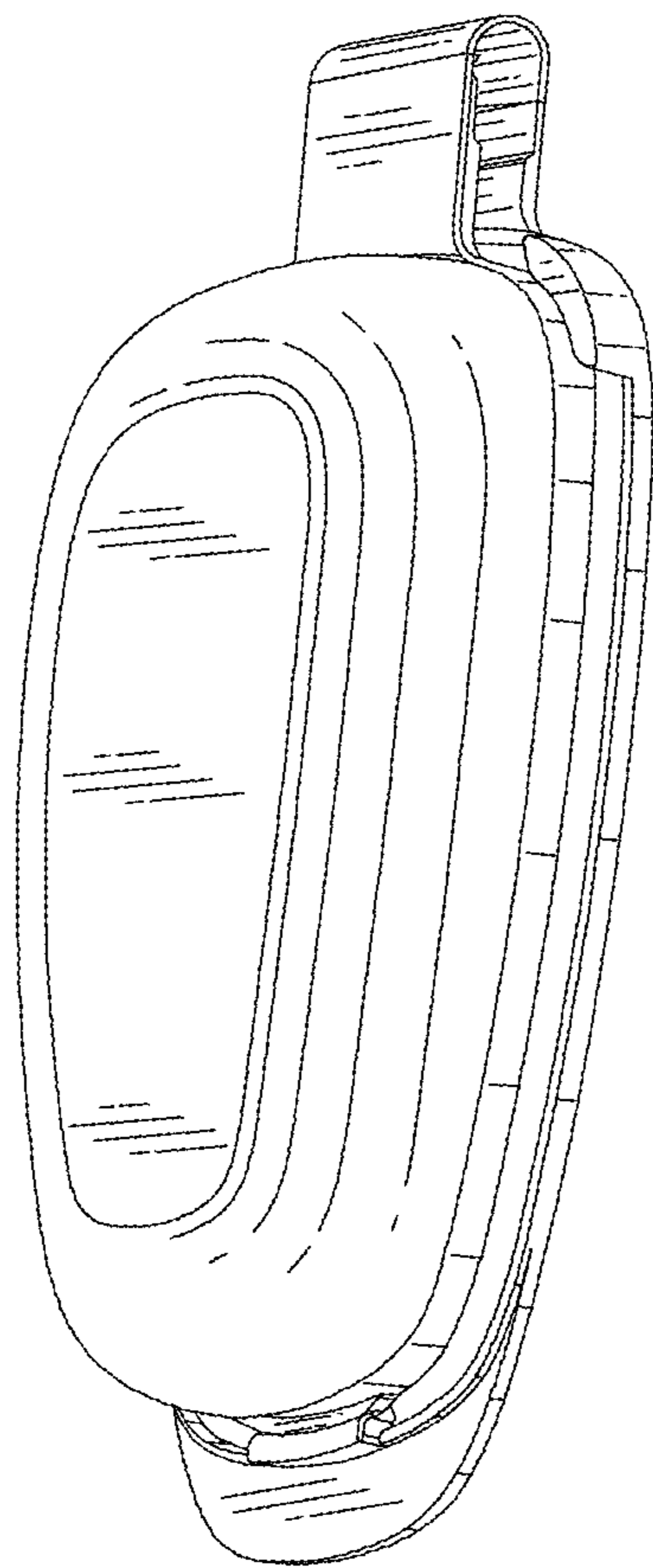


FIG. 8

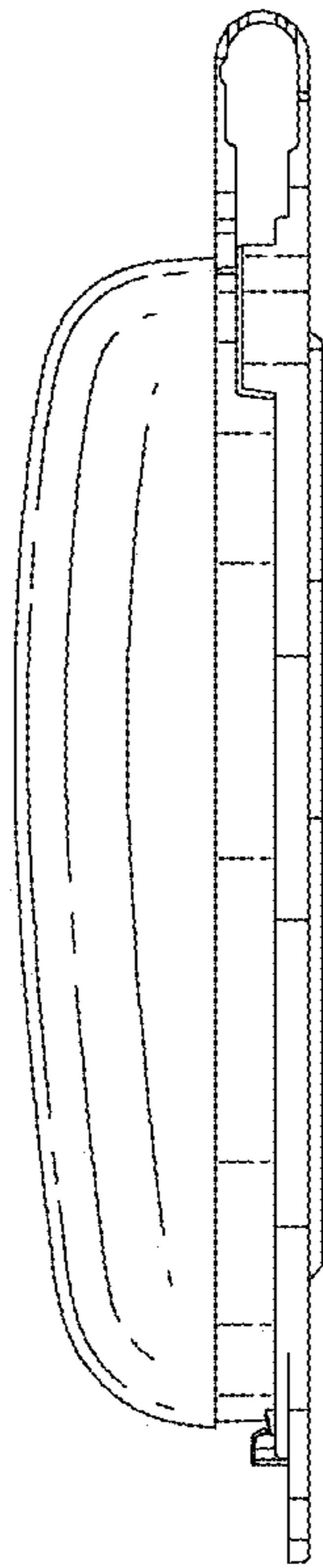


FIG. 9

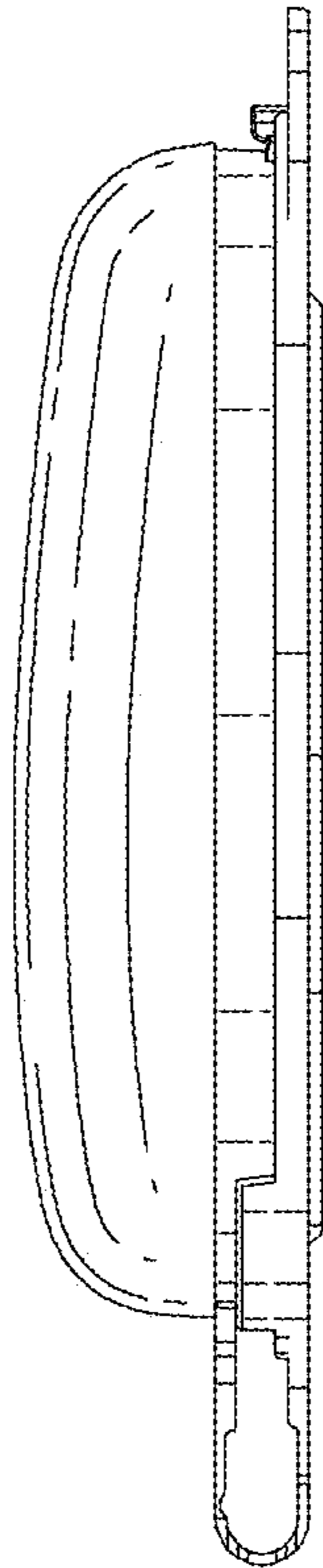


FIG. 10

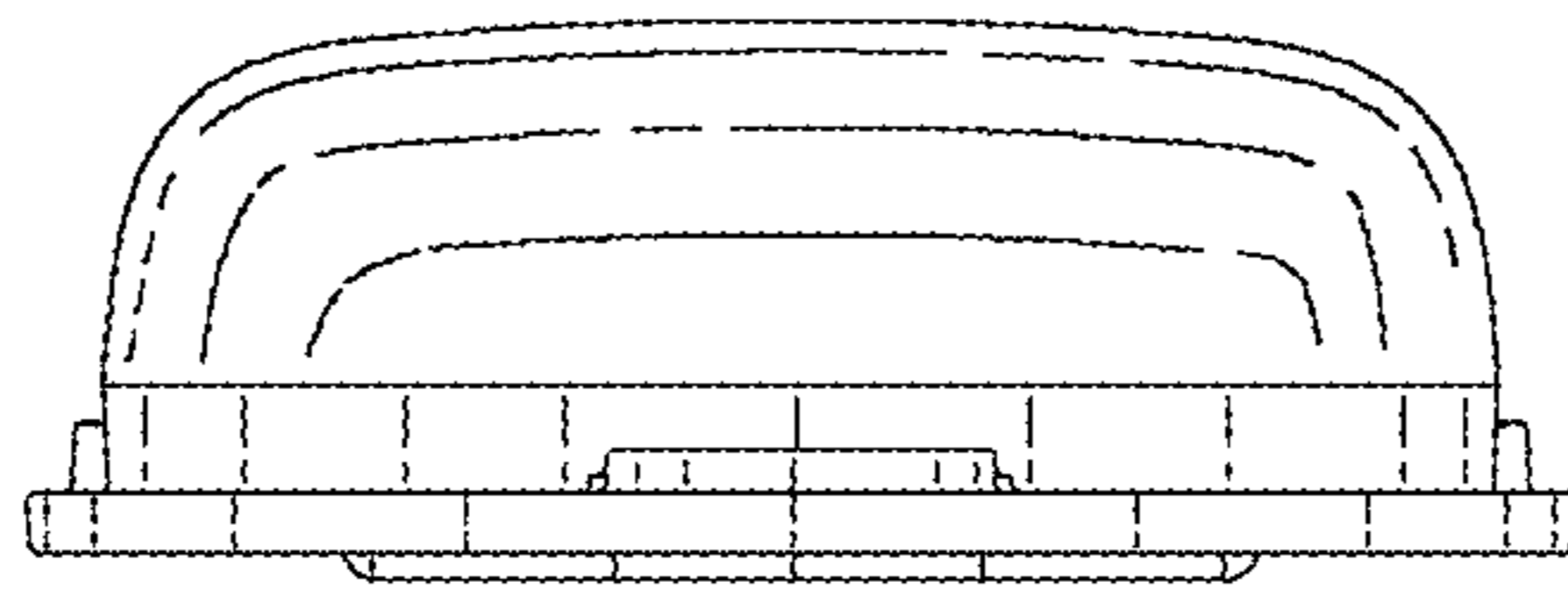


FIG. 11

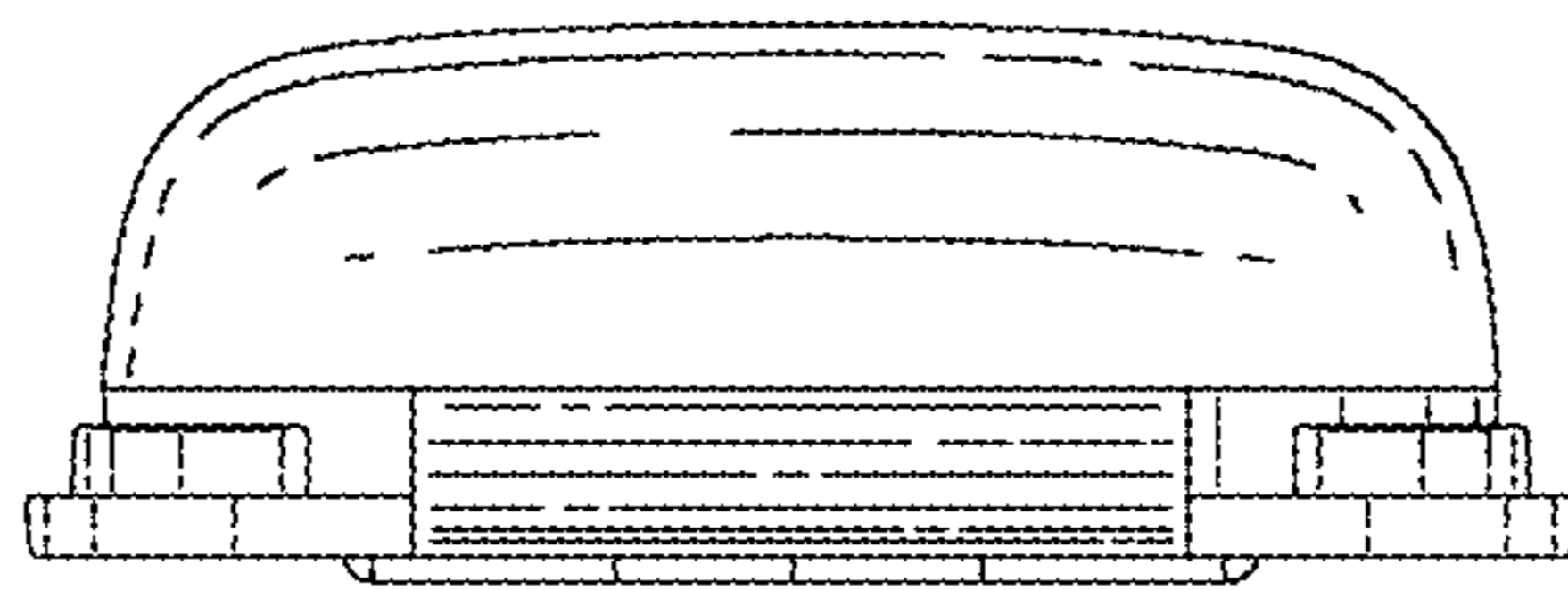


FIG. 12

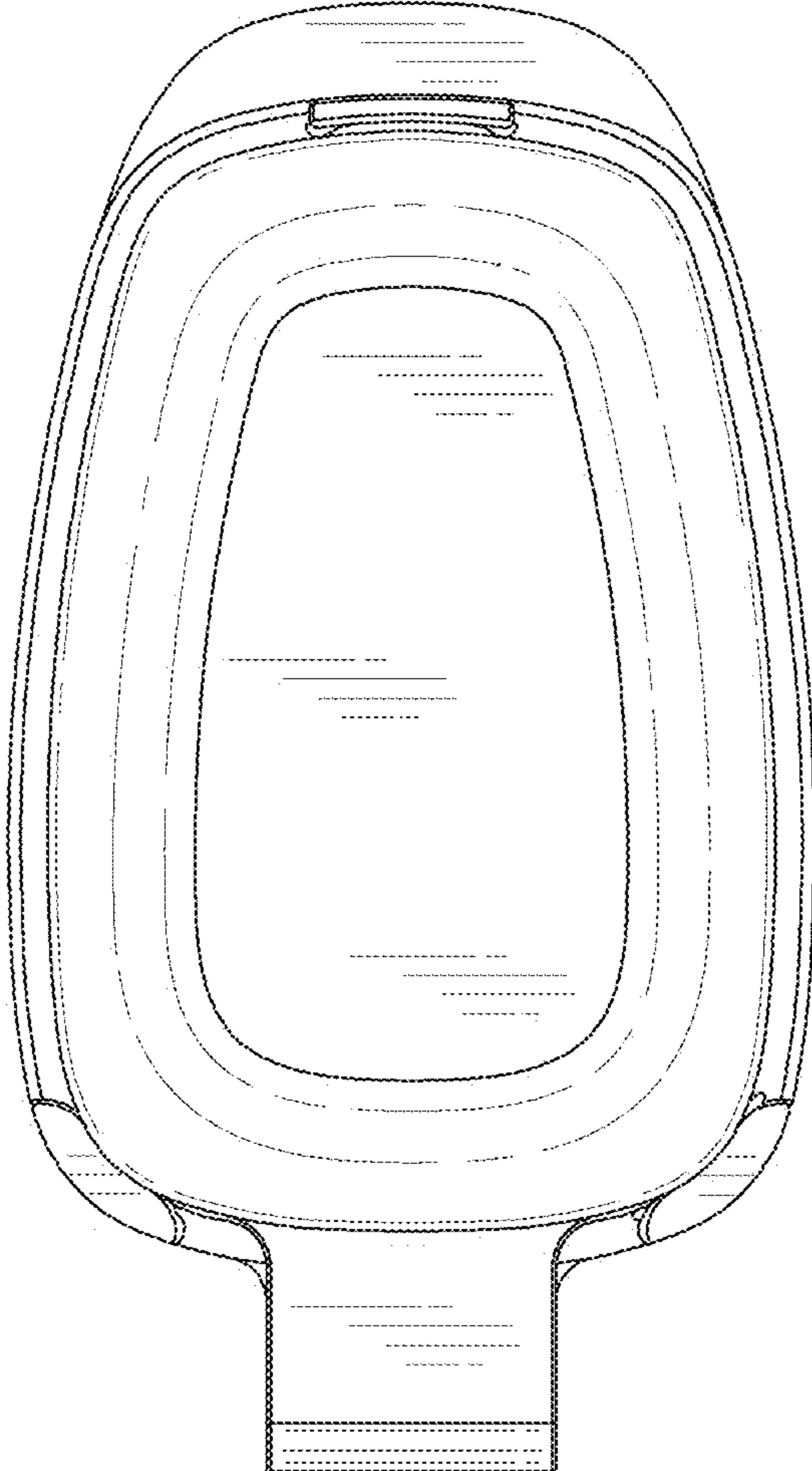


FIG. 13

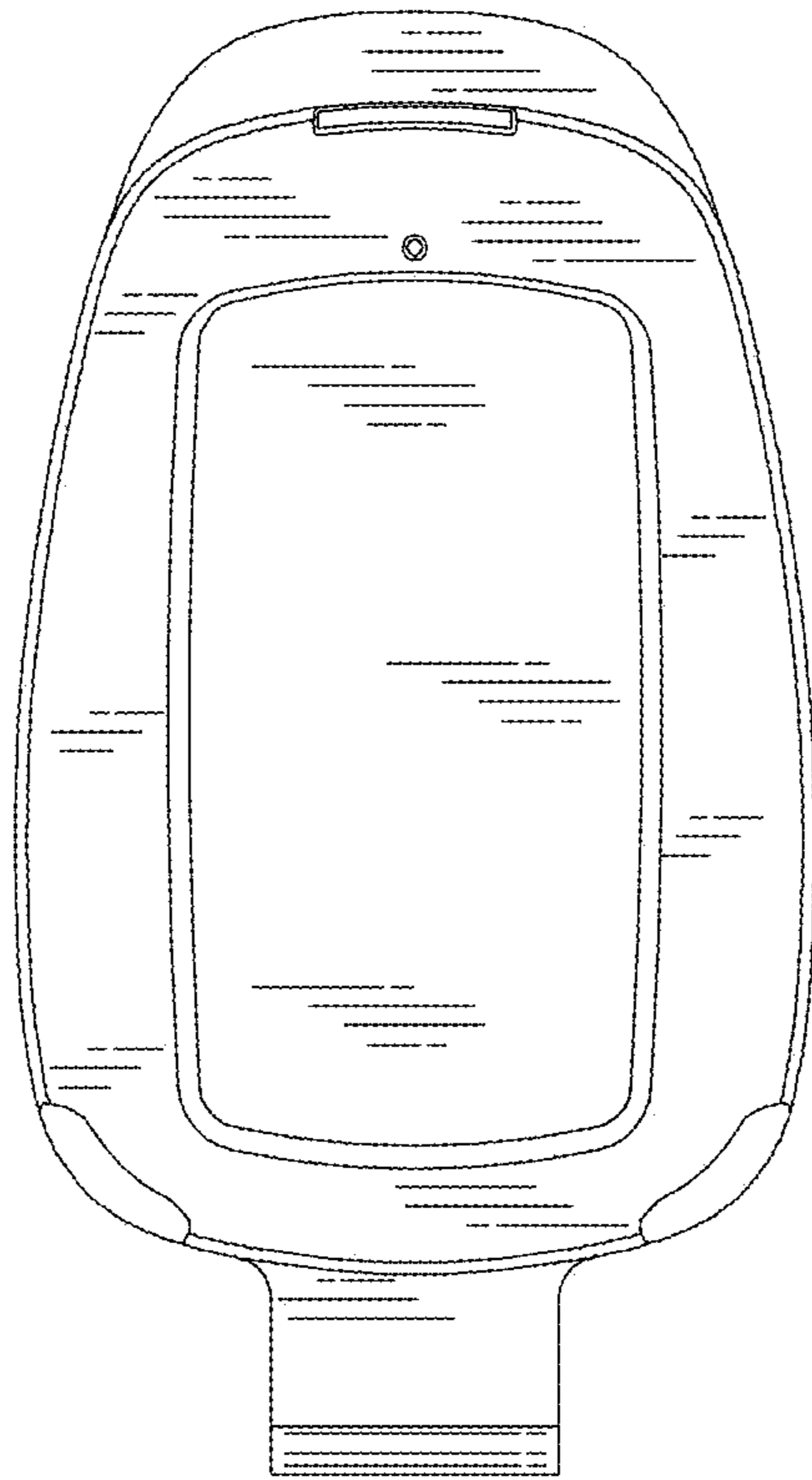


FIG. 14

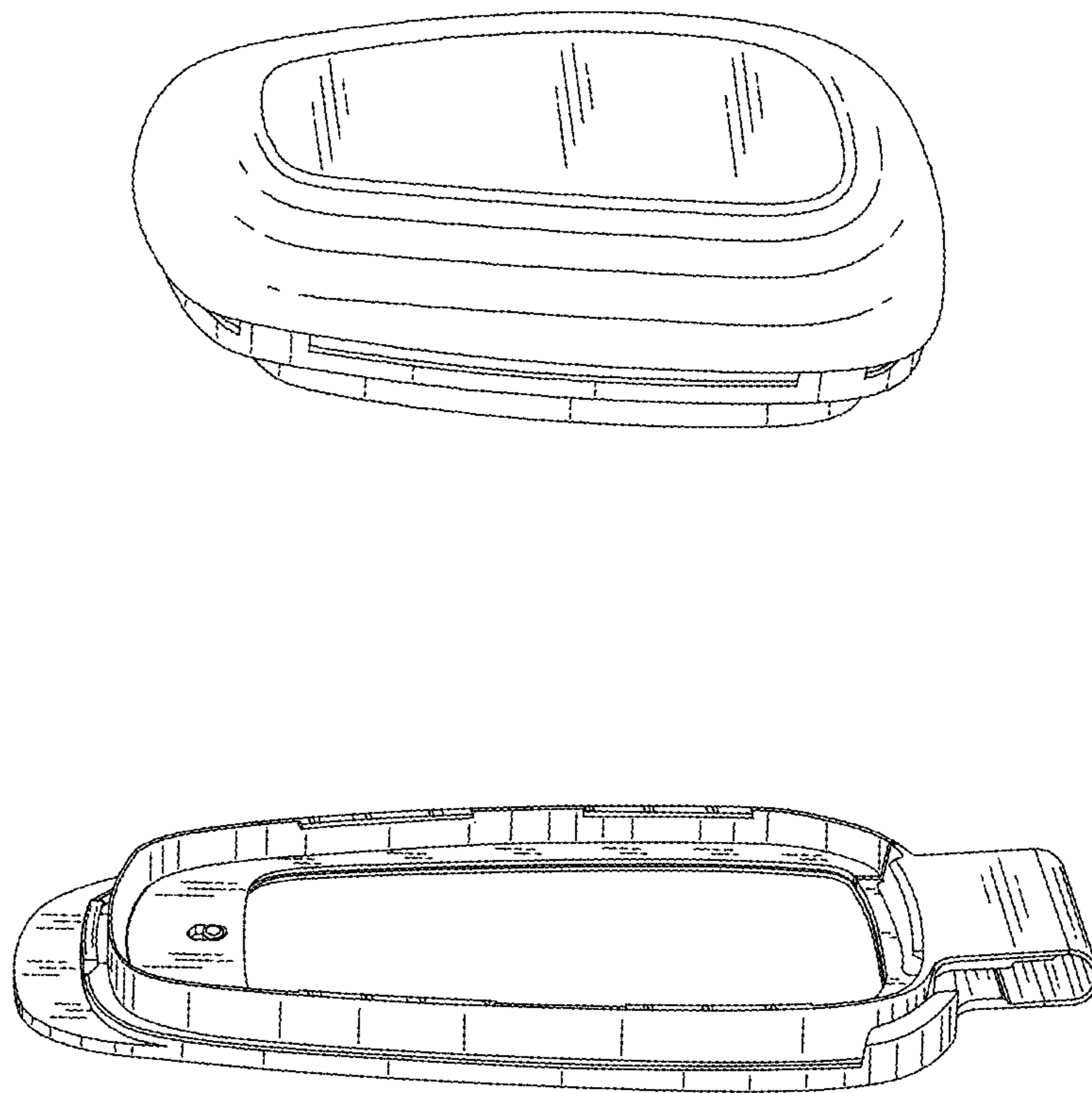


FIG. 15

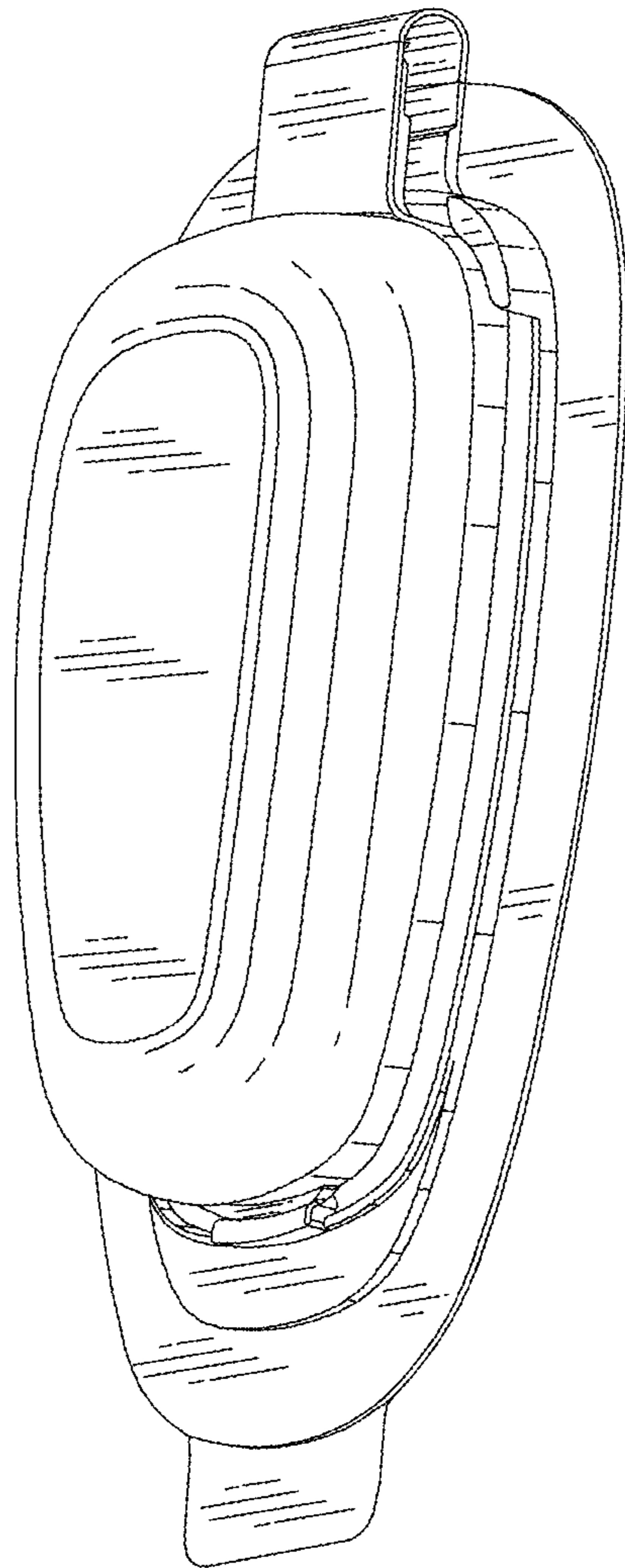


FIG. 16

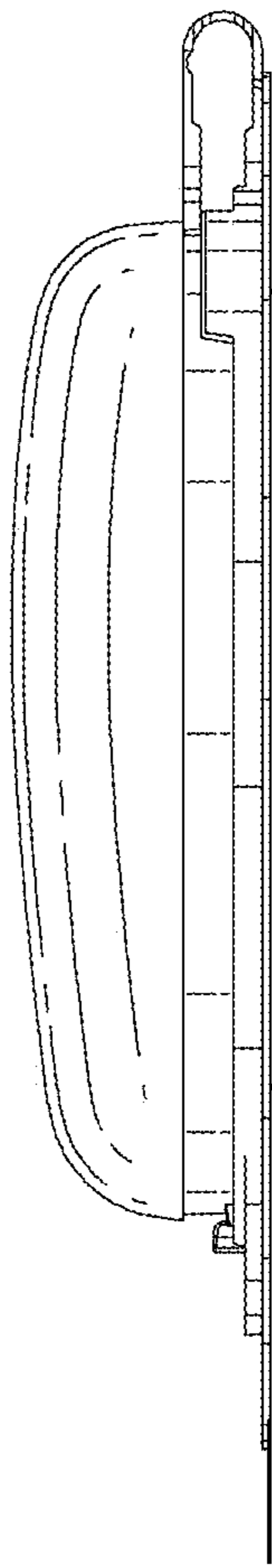


FIG. 17

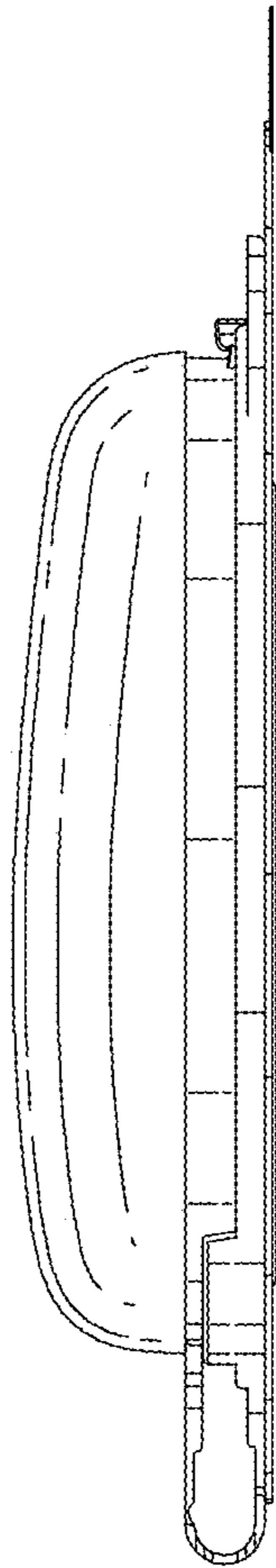


FIG. 18

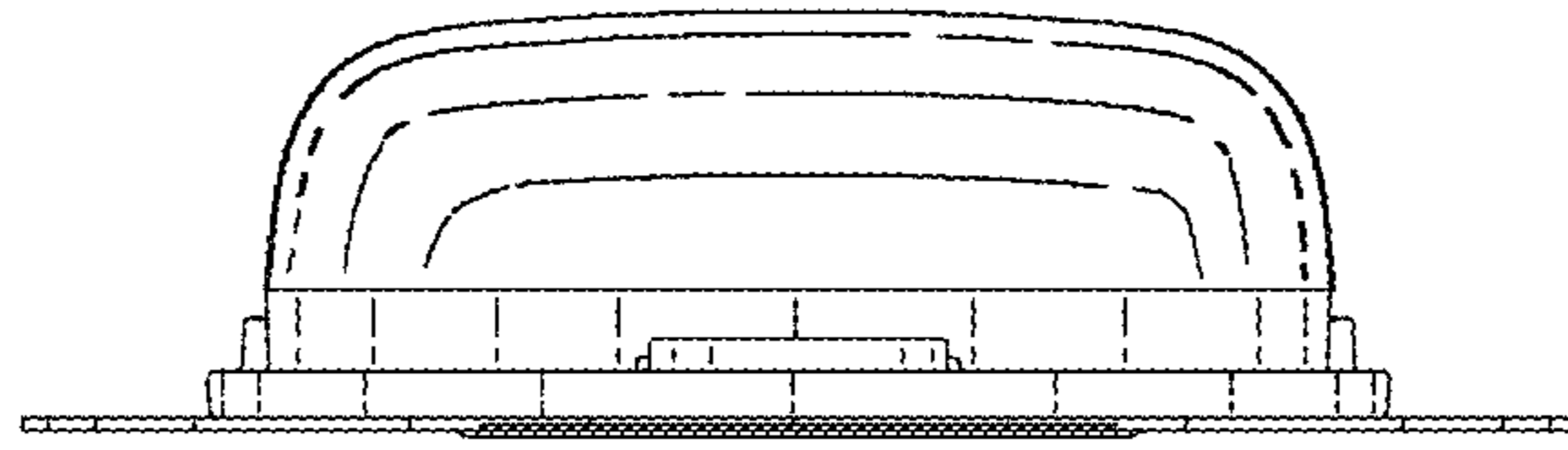


FIG. 19

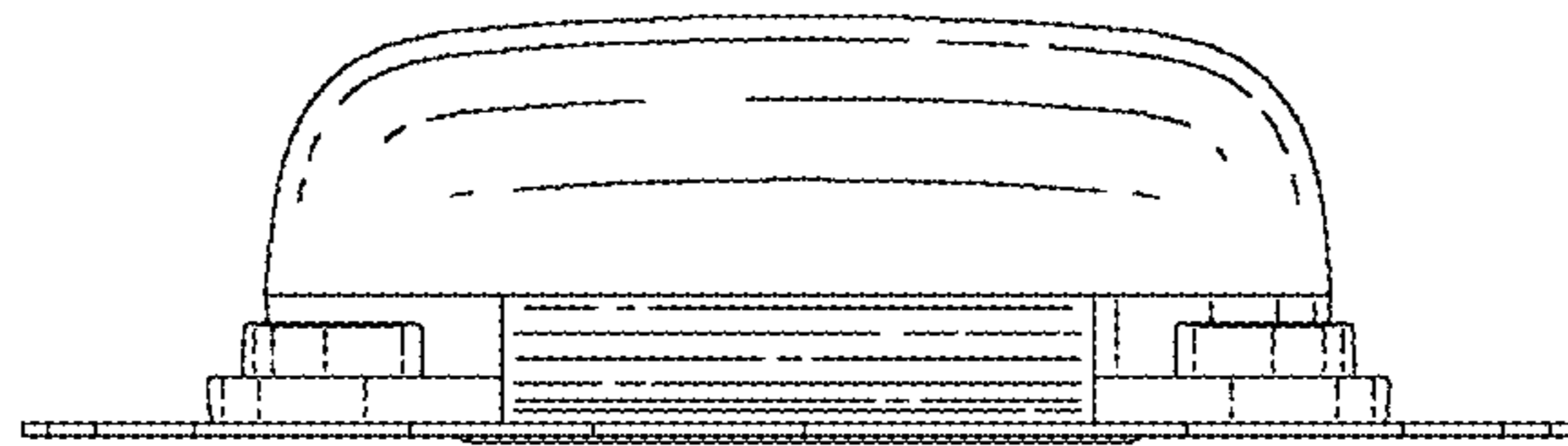


FIG. 20

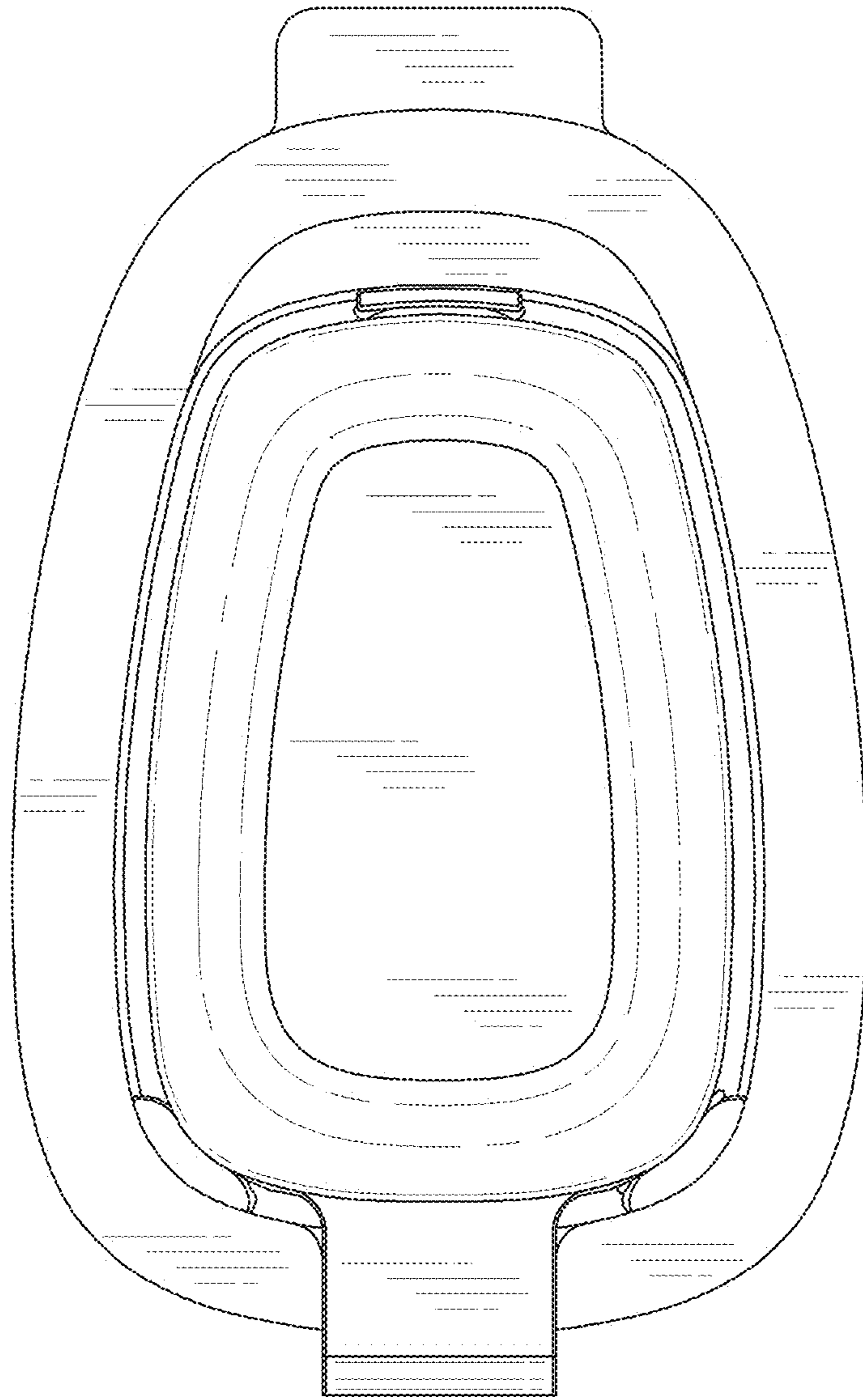


FIG. 21

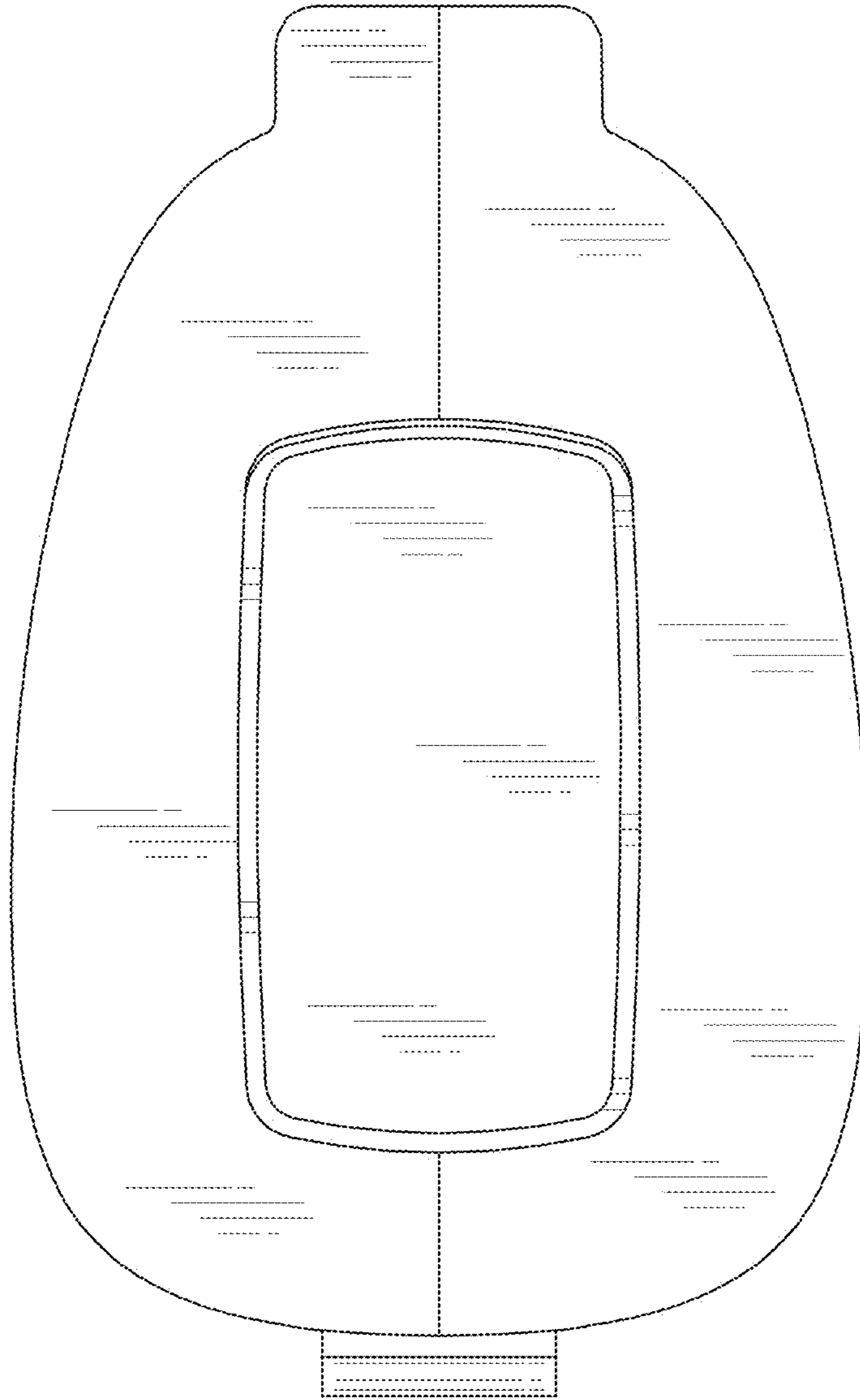


FIG. 22

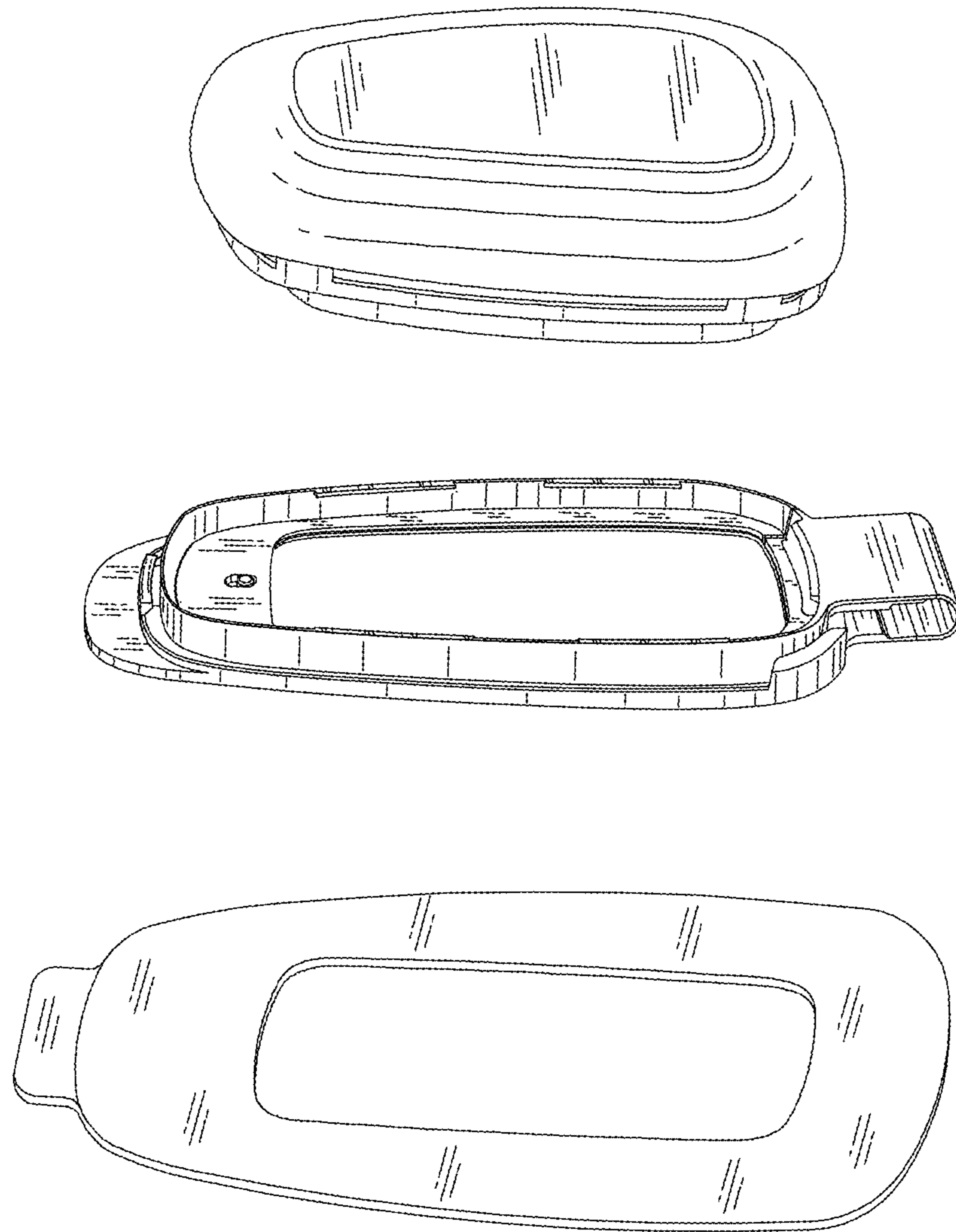


FIG. 23

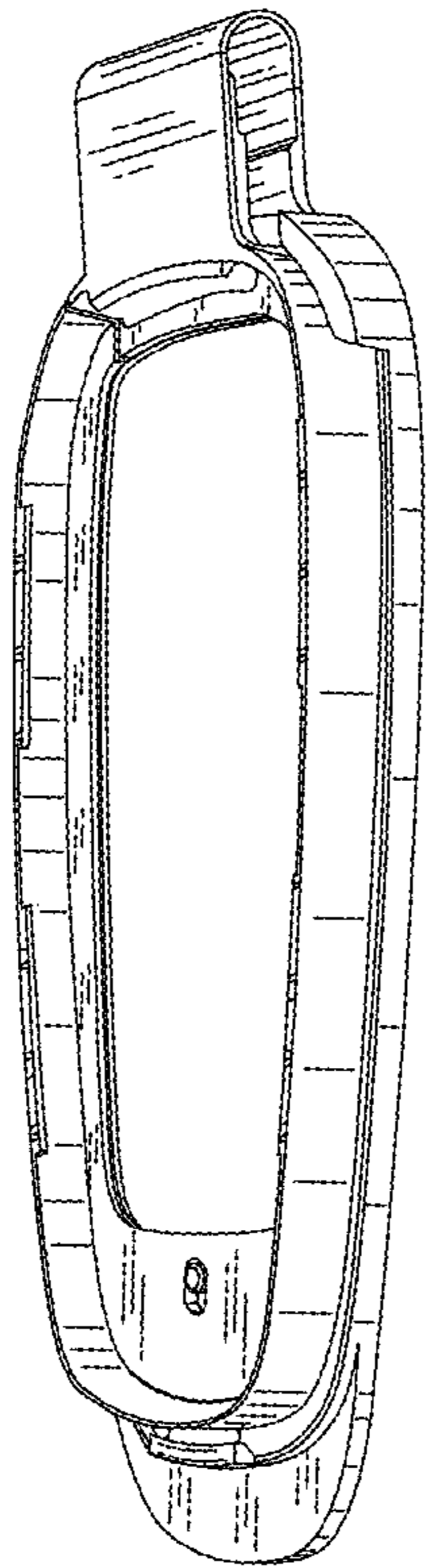


FIG. 24



FIG. 25

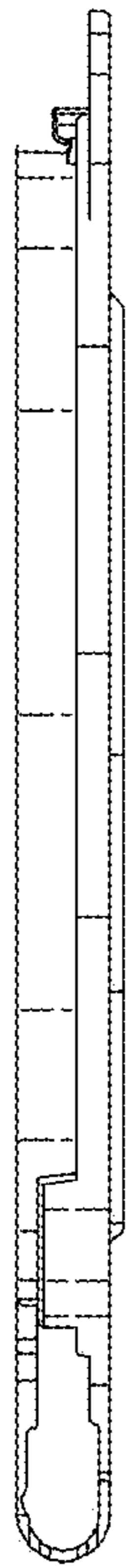


FIG. 26

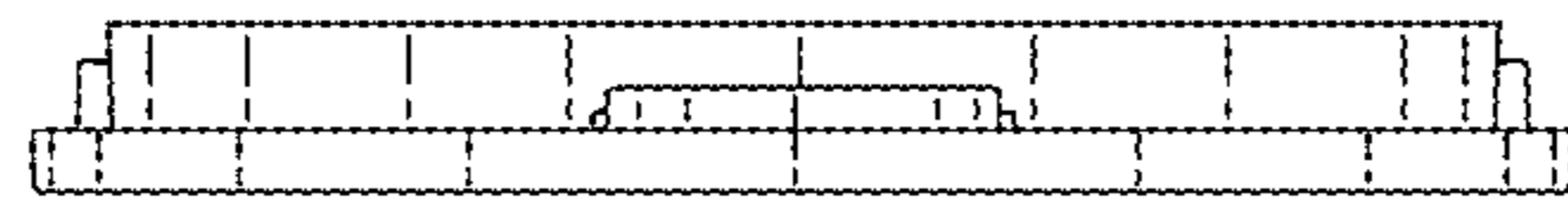


FIG. 27

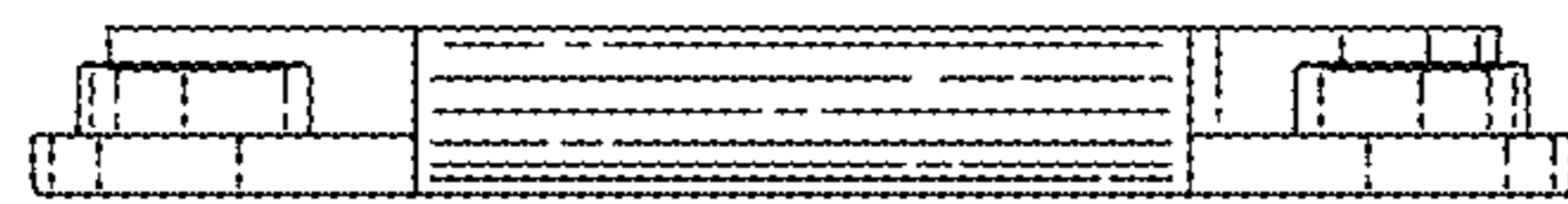


FIG. 28

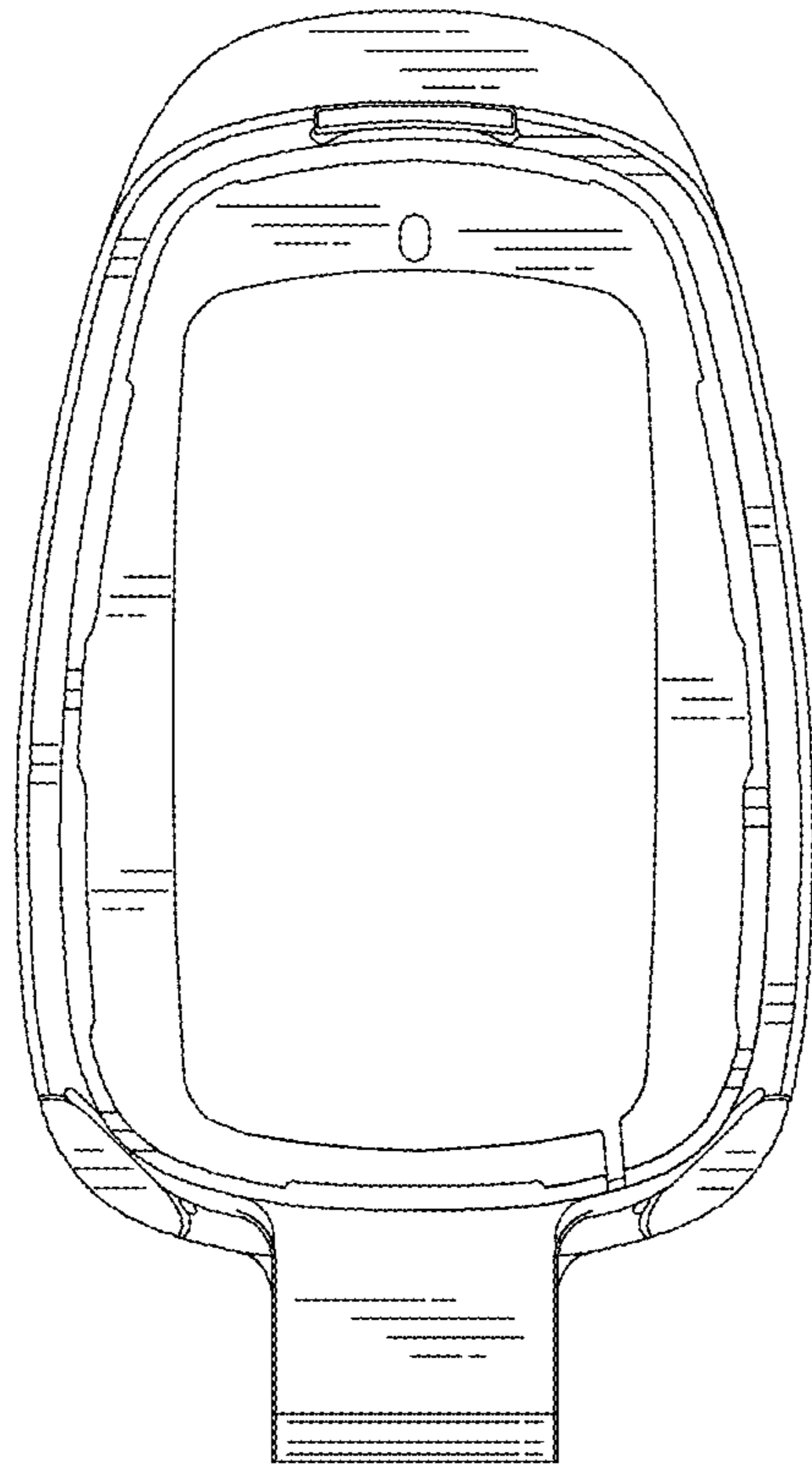


FIG. 29

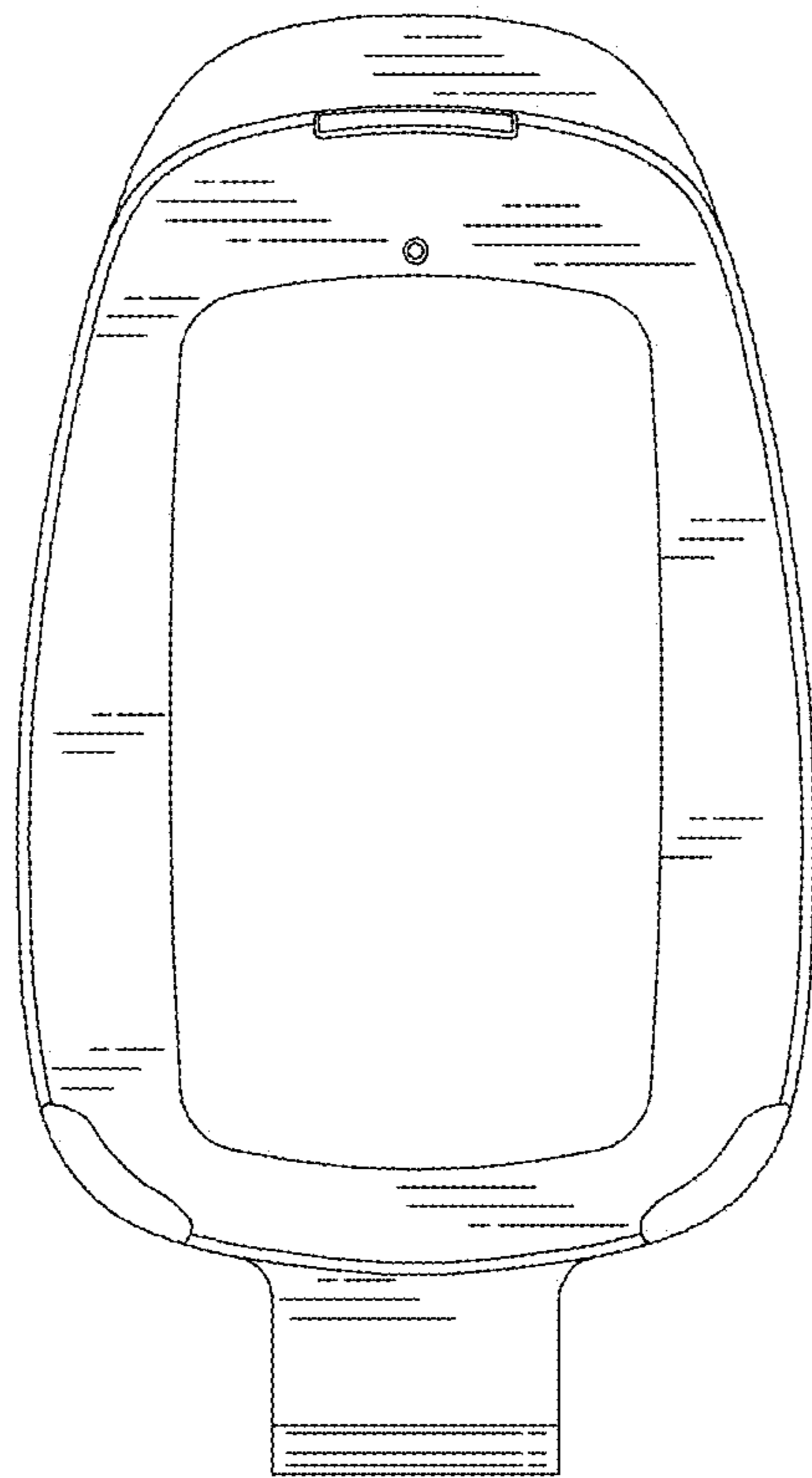


FIG. 30

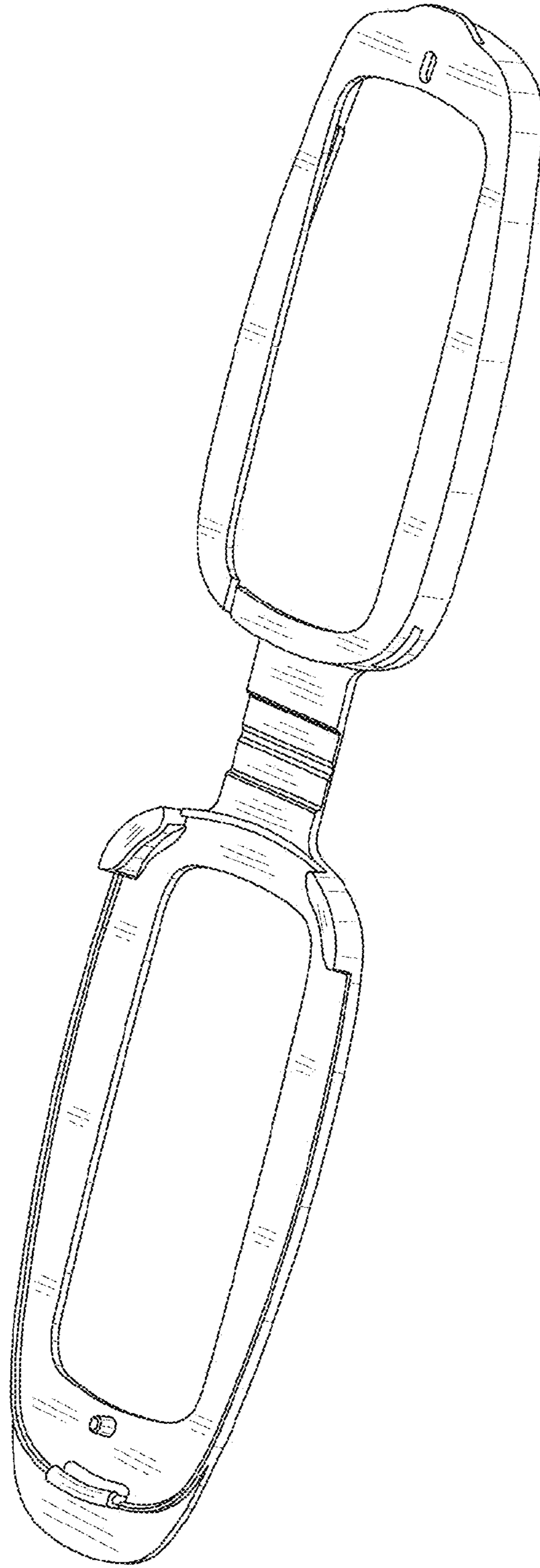


FIG. 31



FIG. 32

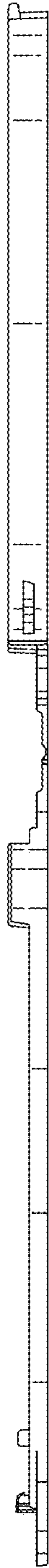


FIG. 33

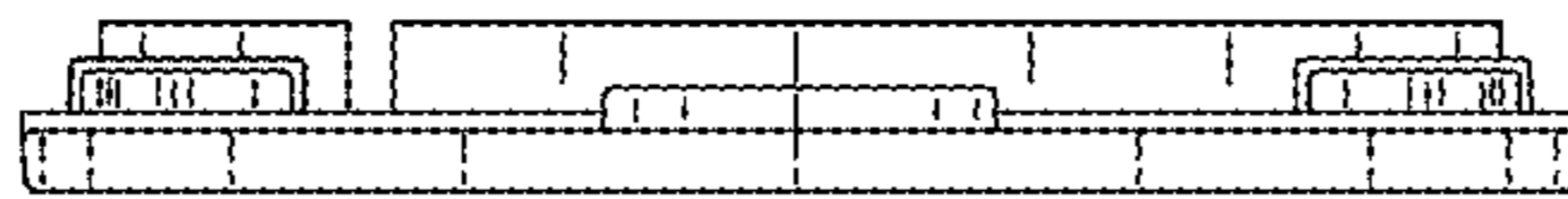


FIG. 34

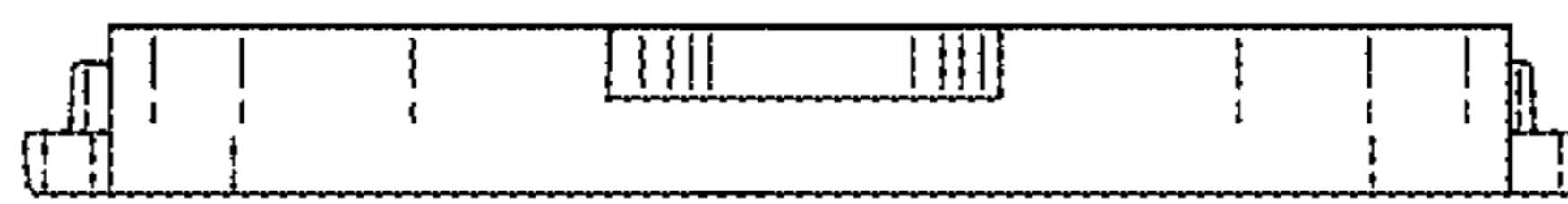


FIG. 35

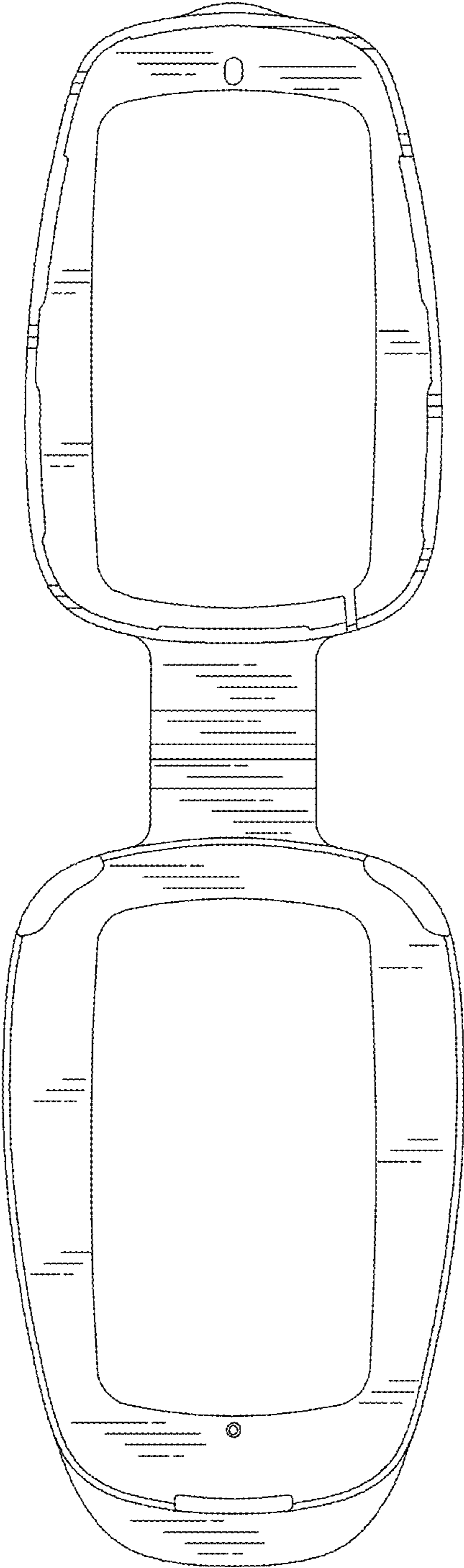


FIG. 36

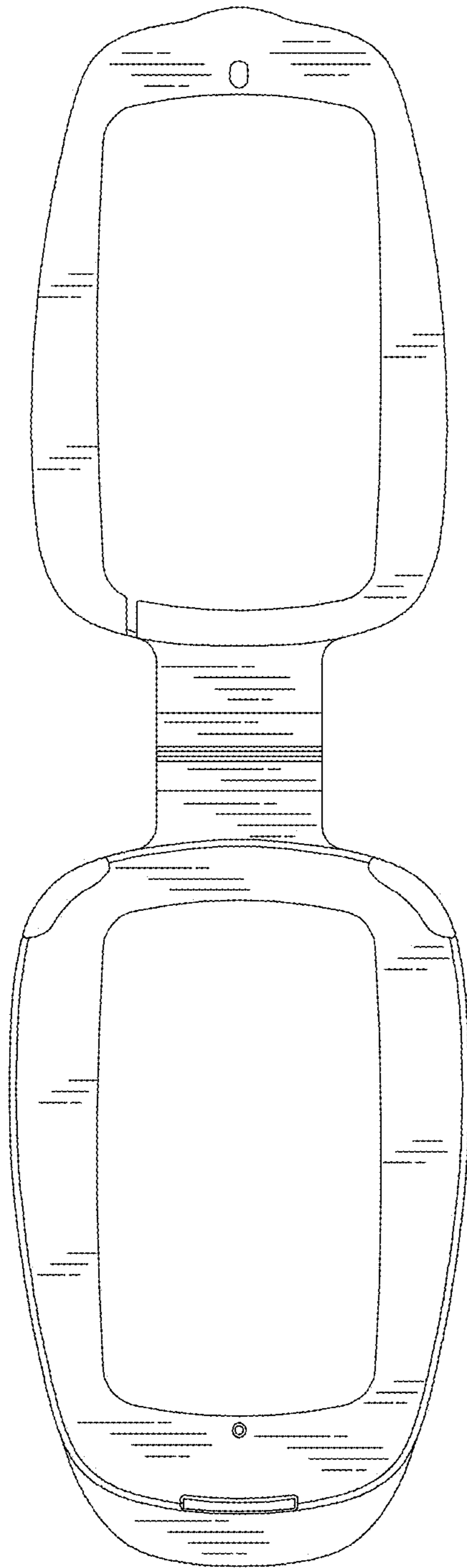


FIG. 37

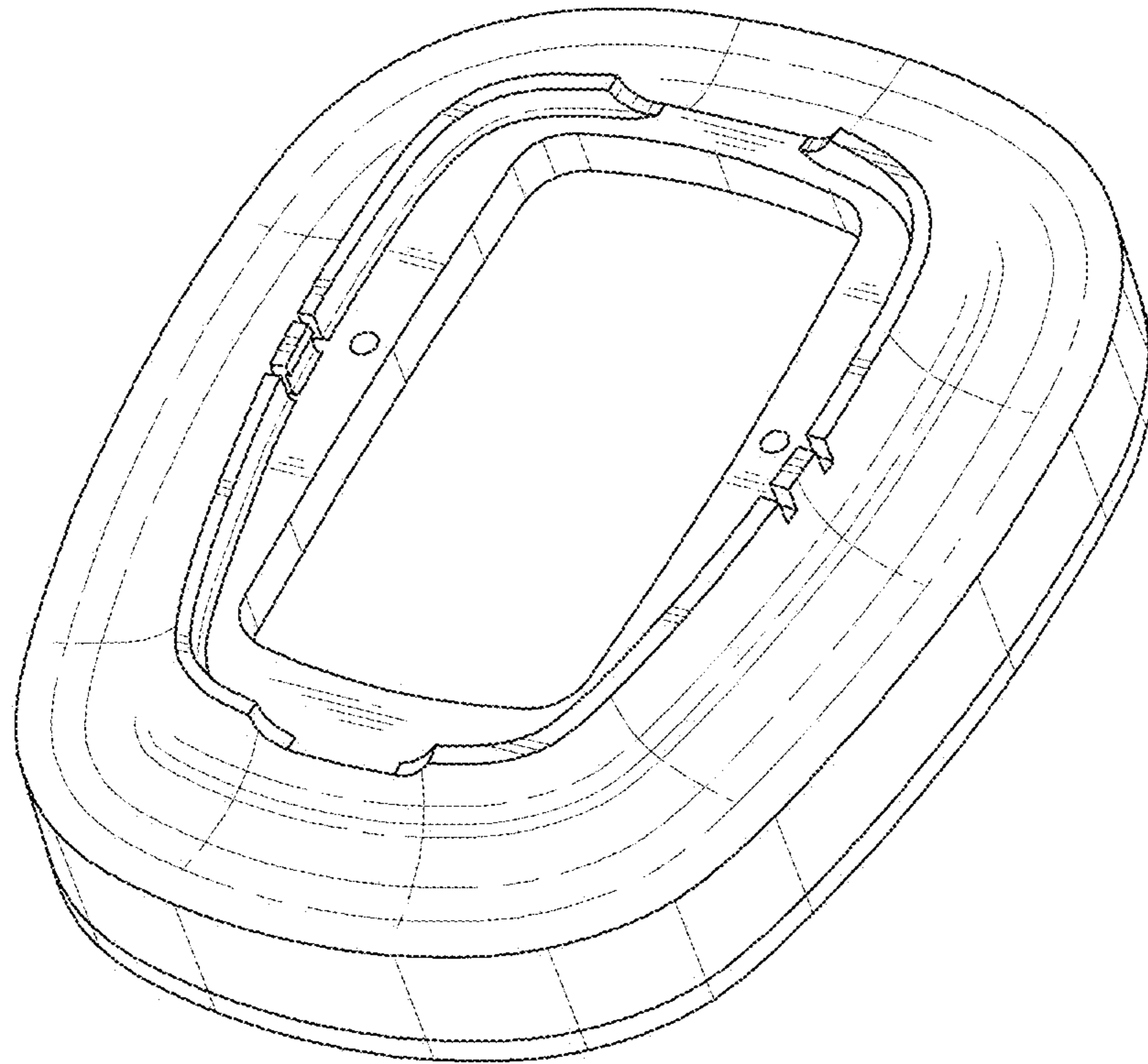


FIG. 38

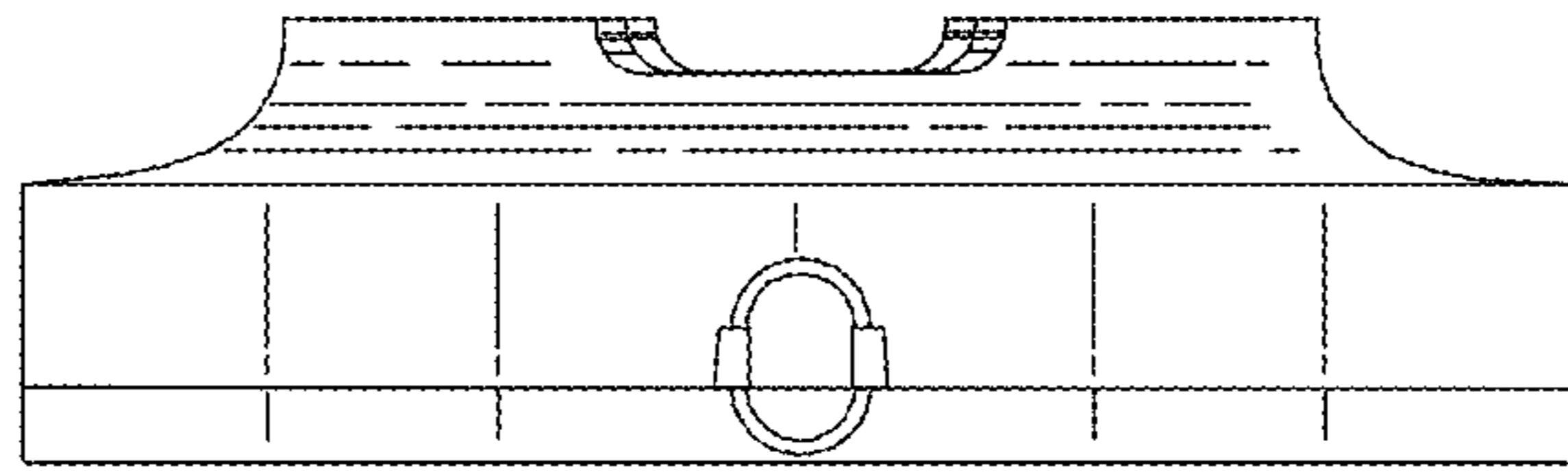


FIG. 39

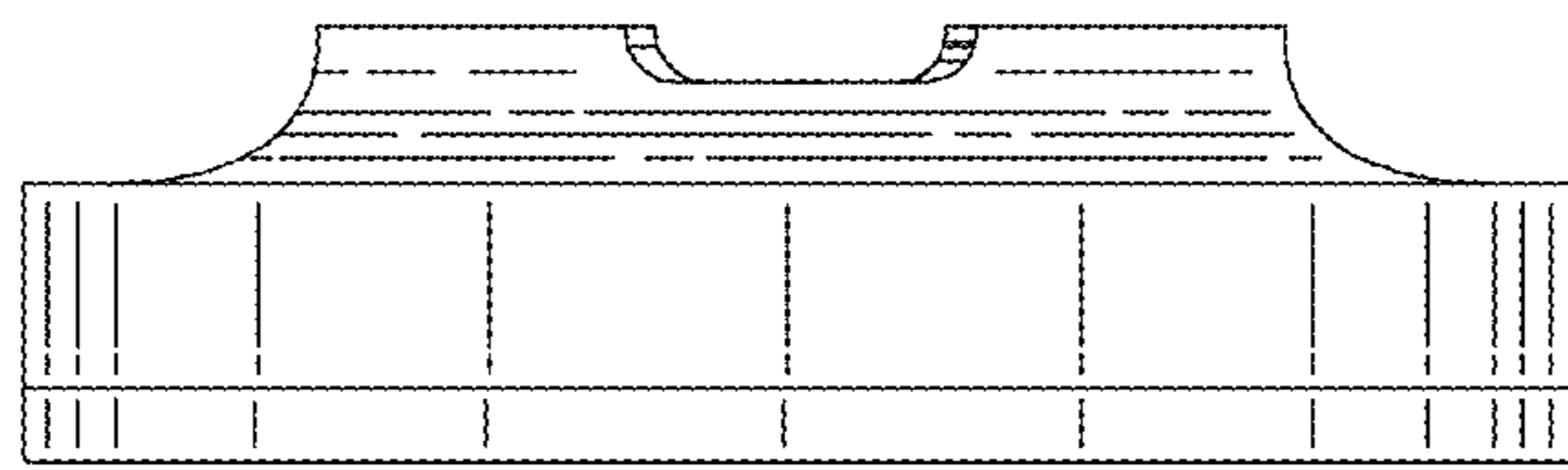


FIG. 40

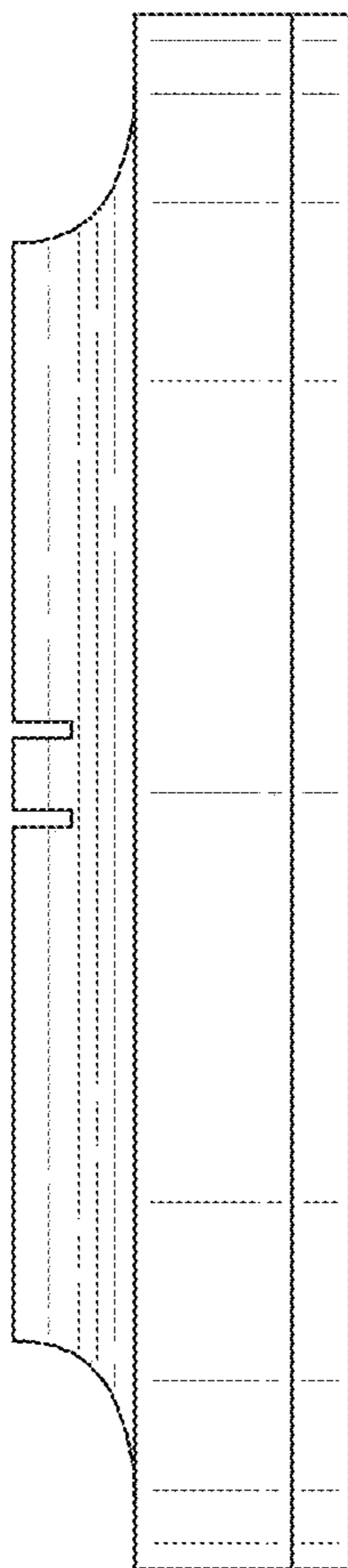


FIG. 41

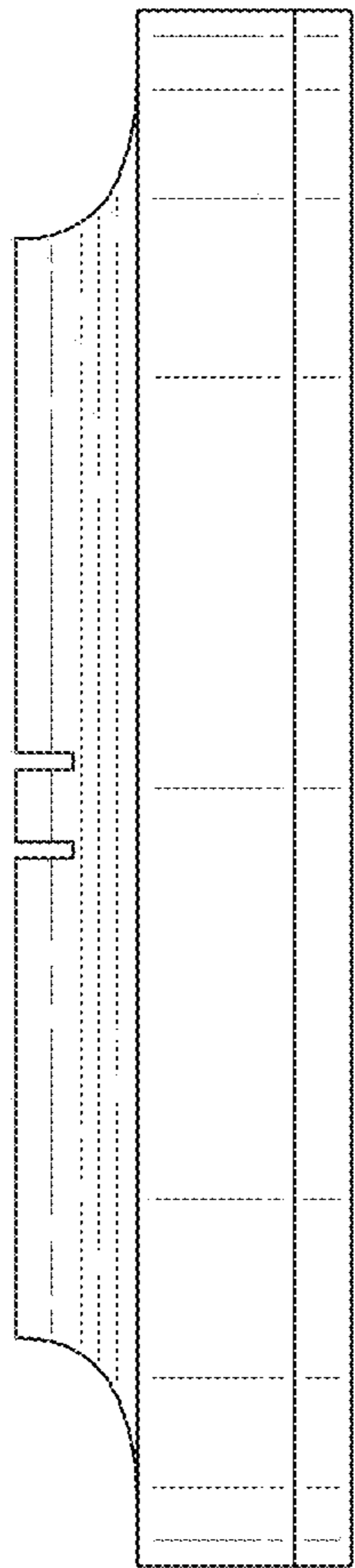


FIG. 42

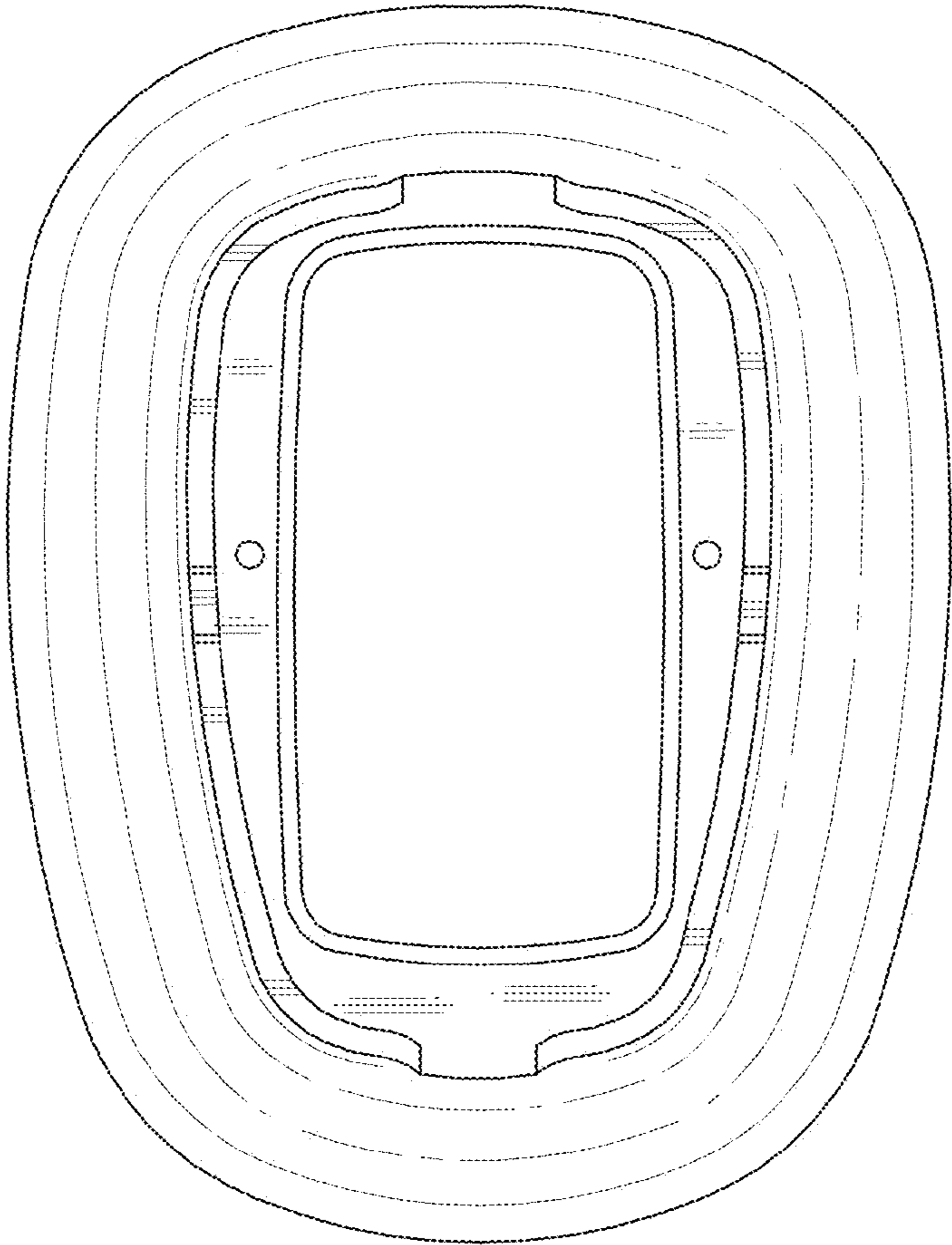


FIG. 43

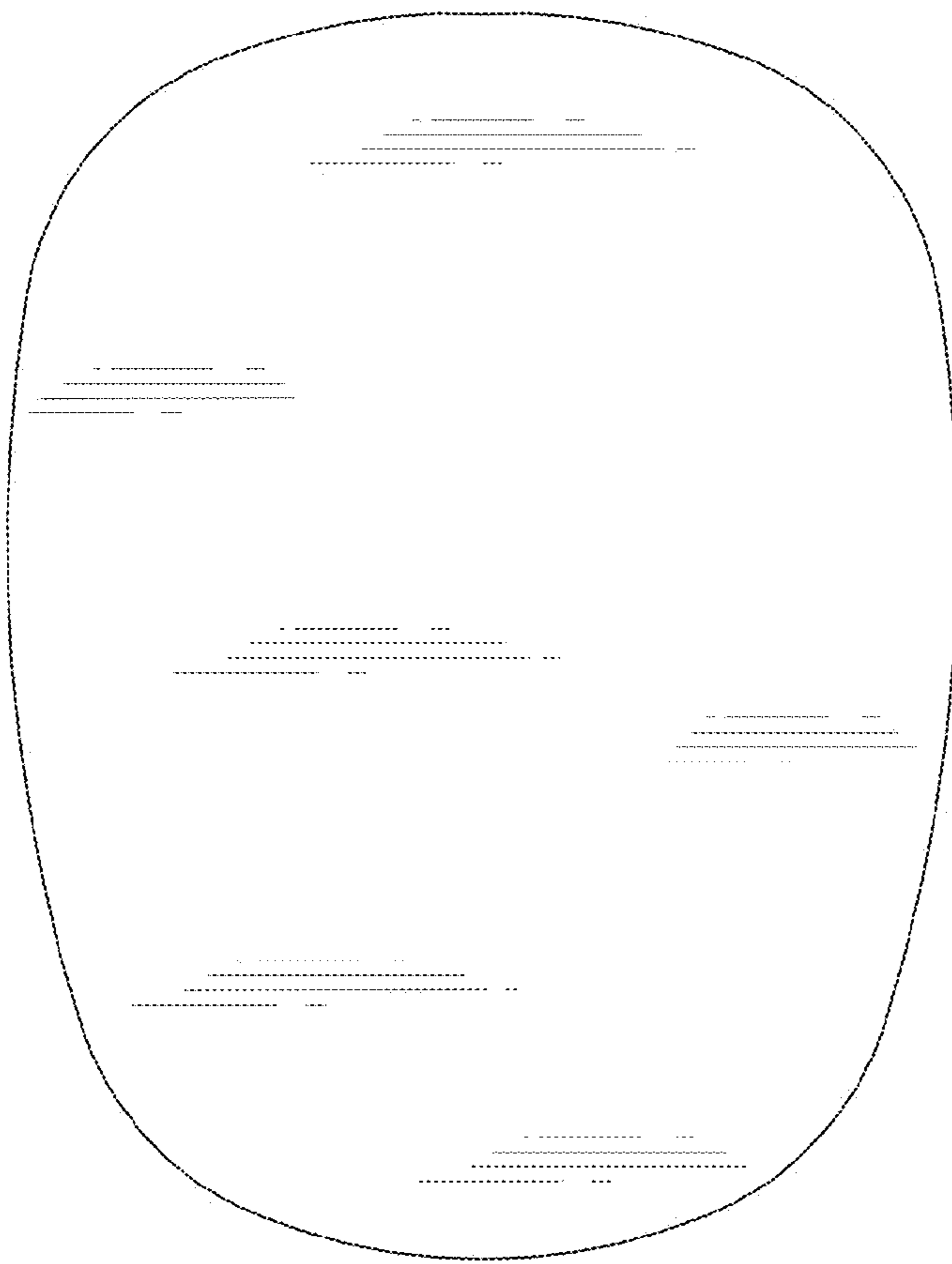


FIG. 44

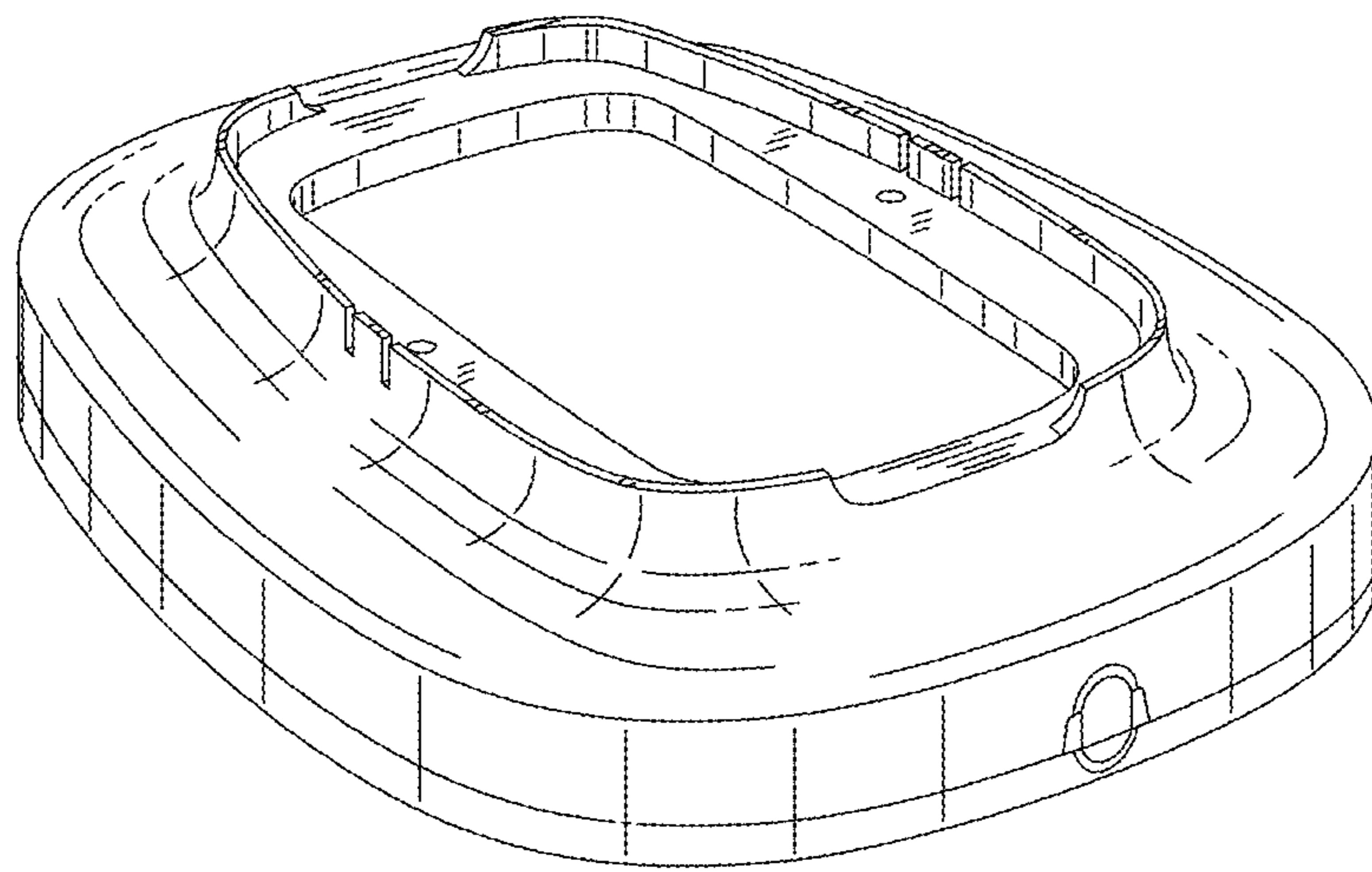


FIG. 45