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

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(54) **BATTERY CHARGER FOR A COMBUSTION TOOL**

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(73) Assignee: **Illinois Tool Works Inc.**, Glenview, IL (US)

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

(21) Appl. No.: **29/413,079**

(22) Filed: **Feb. 10, 2012**

(51) **LOC (9) Cl.** **13-02**

(52) **U.S. Cl.** **D13/108**

(58) **Field of Classification Search** D13/106–110,
D13/118–119, 184, 199; D14/251, 253,
D14/432, 434; 320/107–115
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,230,016 A	7/1993	Yasuda	
D348,649 S *	7/1994	Richards et al.	D13/118
D350,528 S	9/1994	Bent et al.	
D358,821 S *	5/1995	Hellier et al.	D14/253
D361,069 S *	8/1995	Hellier et al.	D14/253
D369,344 S *	4/1996	Lindeman et al.	D13/108
5,982,140 A	11/1999	Toya et al.	
D430,537 S	9/2000	Etter et al.	
D444,449 S	7/2001	Yamamoto	
D515,502 S *	2/2006	Wen	D13/108
D524,315 S	7/2006	Reusing et al.	
D533,134 S *	12/2006	Aglassinger	D13/108
D541,740 S *	5/2007	Tsai et al.	D13/108
D548,179 S	8/2007	Vu	
D555,589 S	11/2007	Hussaini et al.	
D562,762 S *	2/2008	Saddlemire et al.	D13/108
D581,355 S	11/2008	Grant	
D584,732 S	1/2009	Cho et al.	
D585,369 S *	1/2009	Castellucci et al.	D13/108

D594,407 S	6/2009	Chon et al.	
D649,113 S *	11/2011	Ploss	D13/108
D662,469 S *	6/2012	Mulder et al.	D13/107
2008/0290836 A1 *	11/2008	Tsai et al.	320/114
2012/0098495 A1 *	4/2012	Yang et al.	320/115

* cited by examiner

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(57) **CLAIM**

The ornamental design for a battery charger for a combustion tool, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of the present battery charger; FIG. 2 is a right side perspective view of the charger of FIG. 1;

FIG. 3 is a left side view of same;

FIG. 4 is a right side view of the charger of FIG. 1;

FIG. 5 is a front view of same;

FIG. 6 is a rear view of the charger of FIG. 1;

FIG. 7 is a top view of same;

FIG. 8 is a bottom view of the charger of FIG. 1;

FIG. 9 is a top perspective view of another embodiment of the present battery charger;

FIG. 10 is a right side perspective view of the charger of FIG. 9;

FIG. 11 is a left side view of same;

FIG. 12 is a right side view of the charger of FIG. 9;

FIG. 13 is a front view of same;

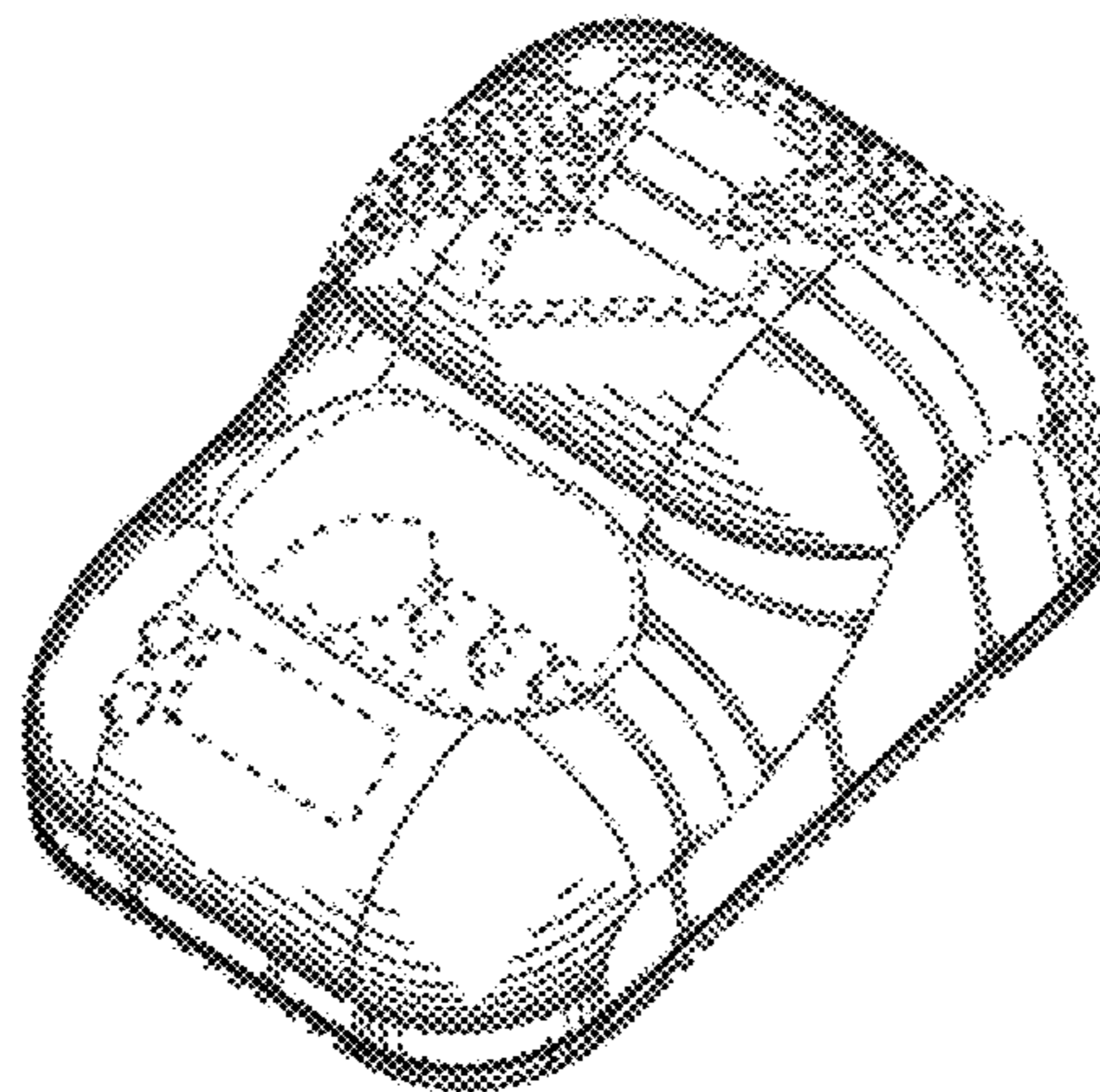
FIG. 14 is a rear view of the charger of FIG. 9;

FIG. 15 is a top view of same; and,

FIG. 16 is a bottom view of the charger of FIG. 9.

The broken lines shown in the drawings are included for the purpose of illustrating environmental structure and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



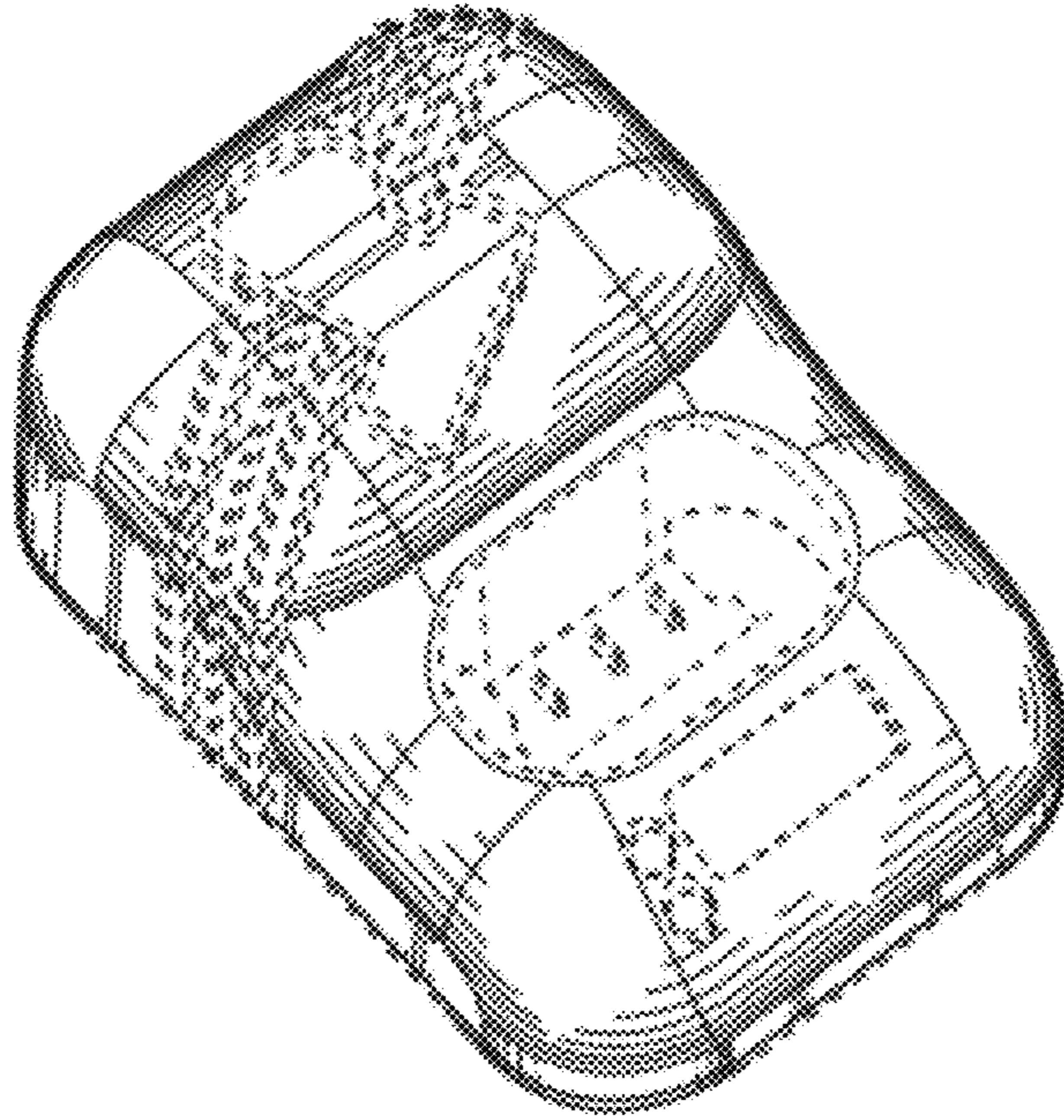


FIG. 1

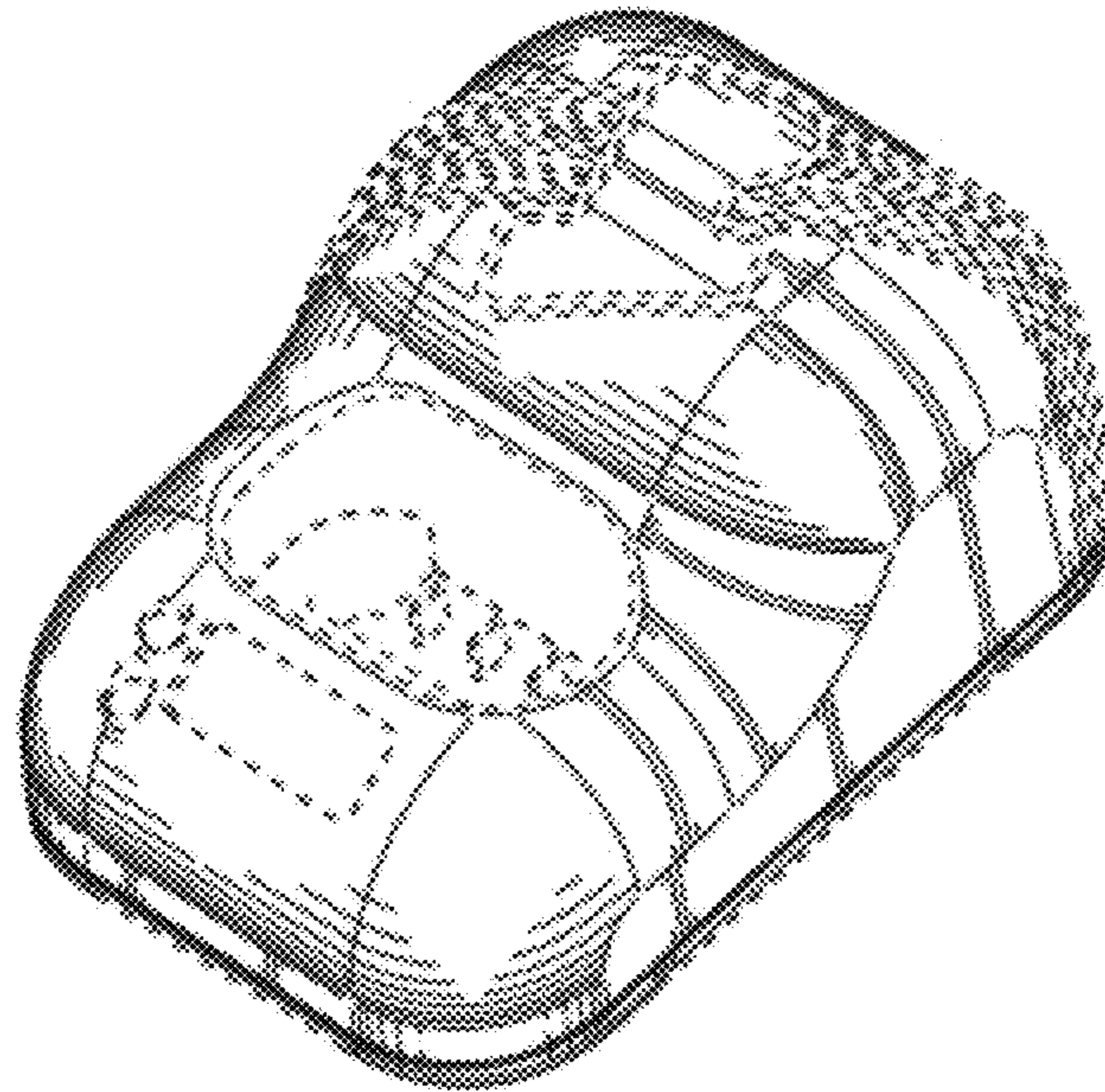


FIG. 2

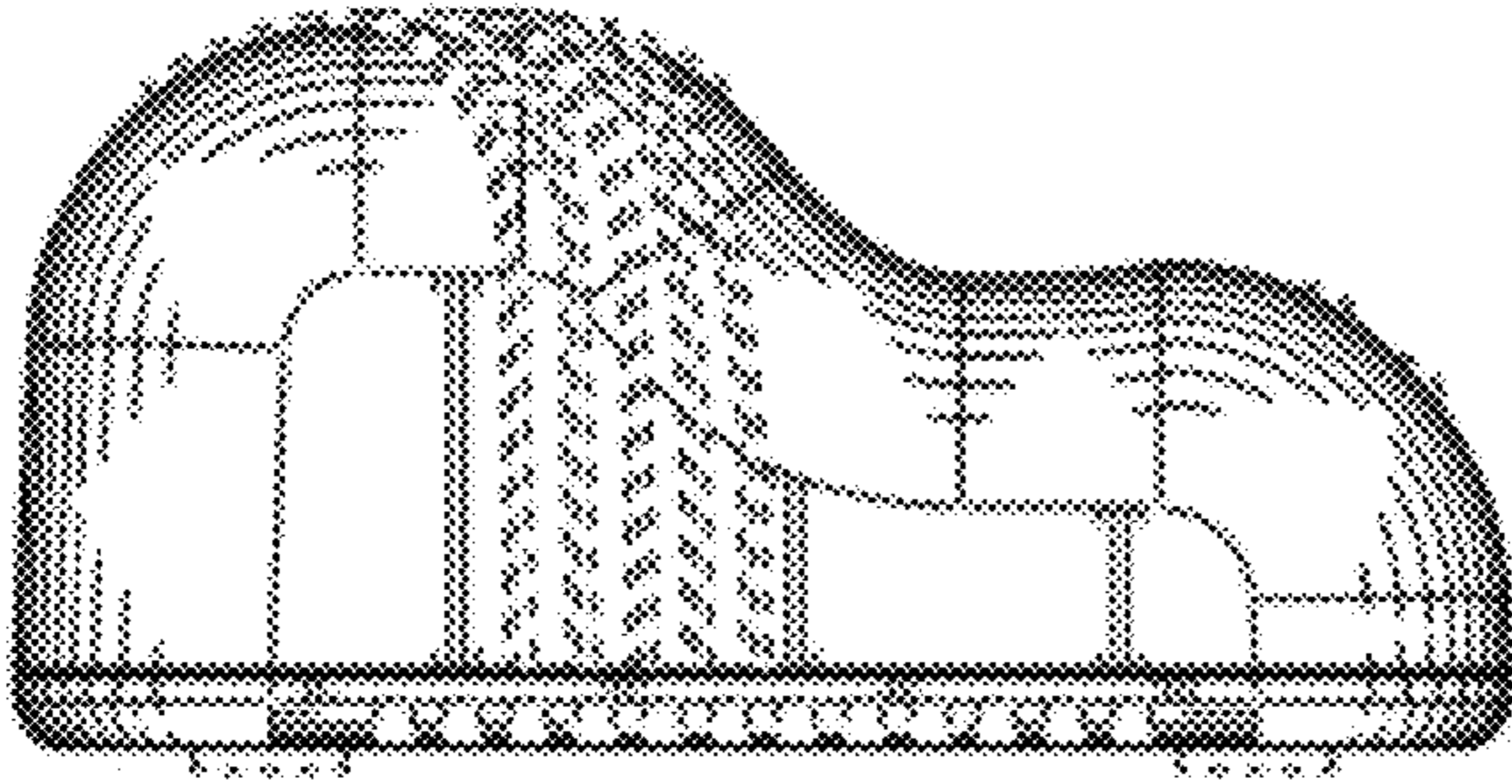


FIG. 3

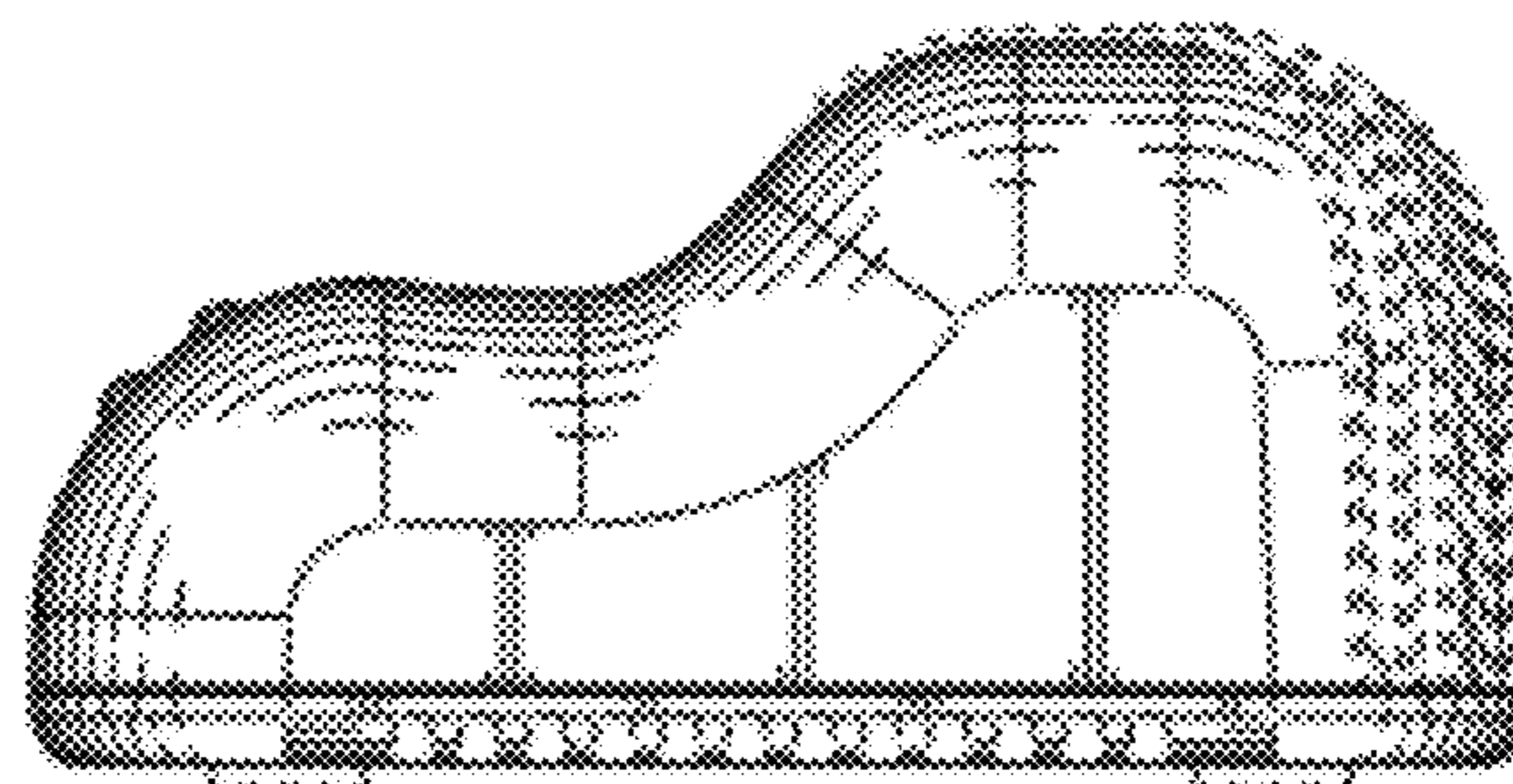


FIG. 4

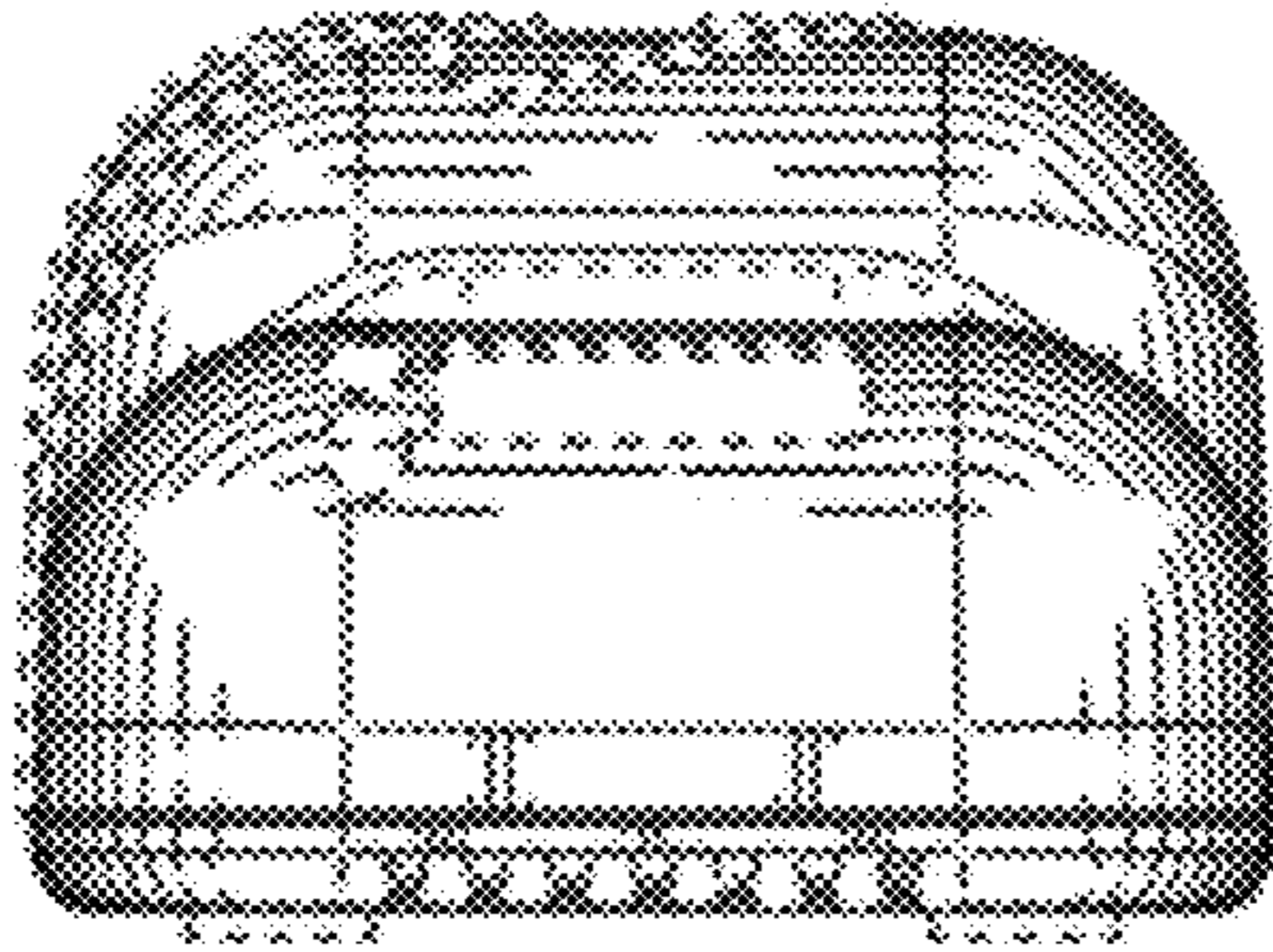


FIG. 5

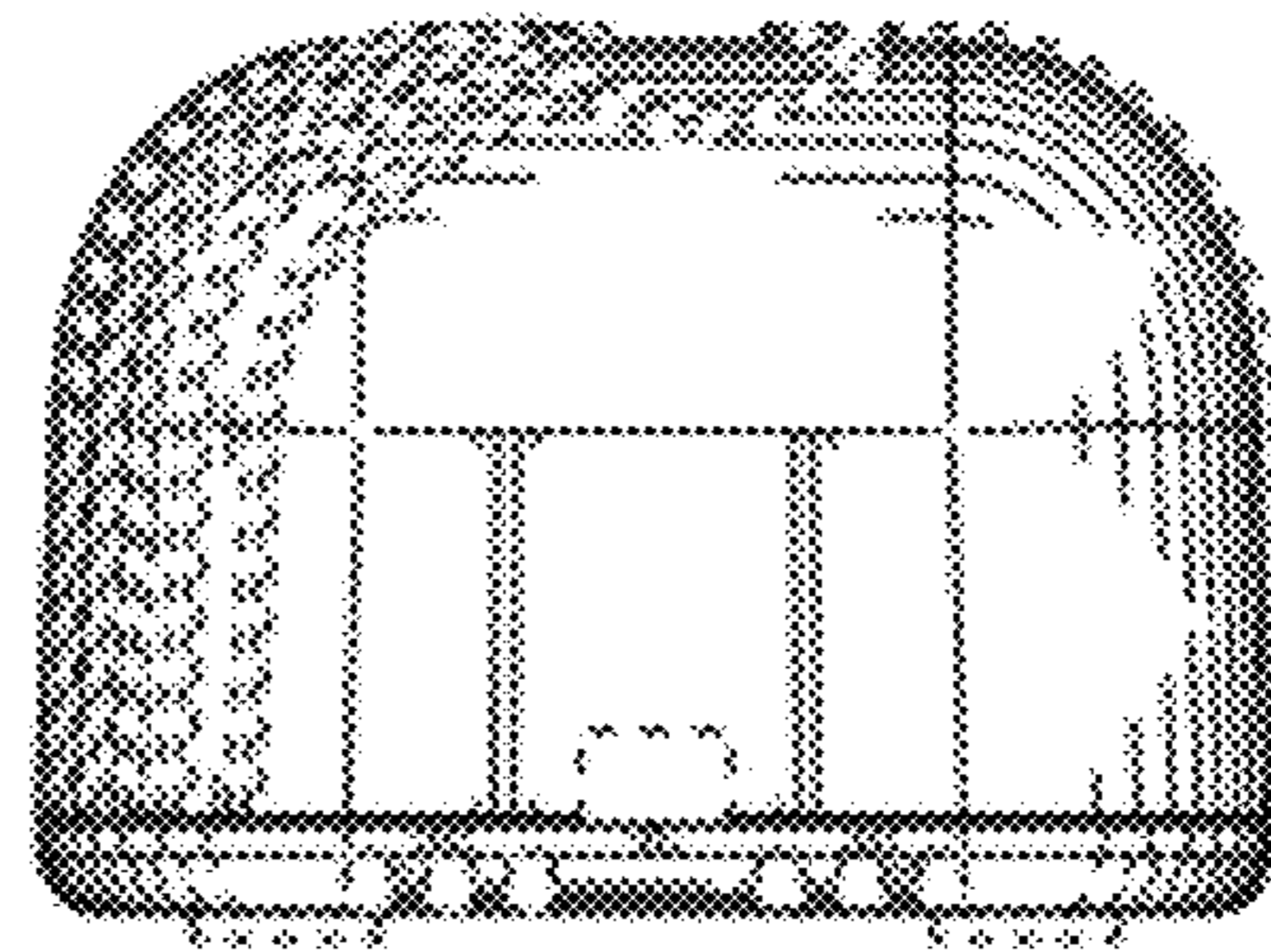


FIG. 6

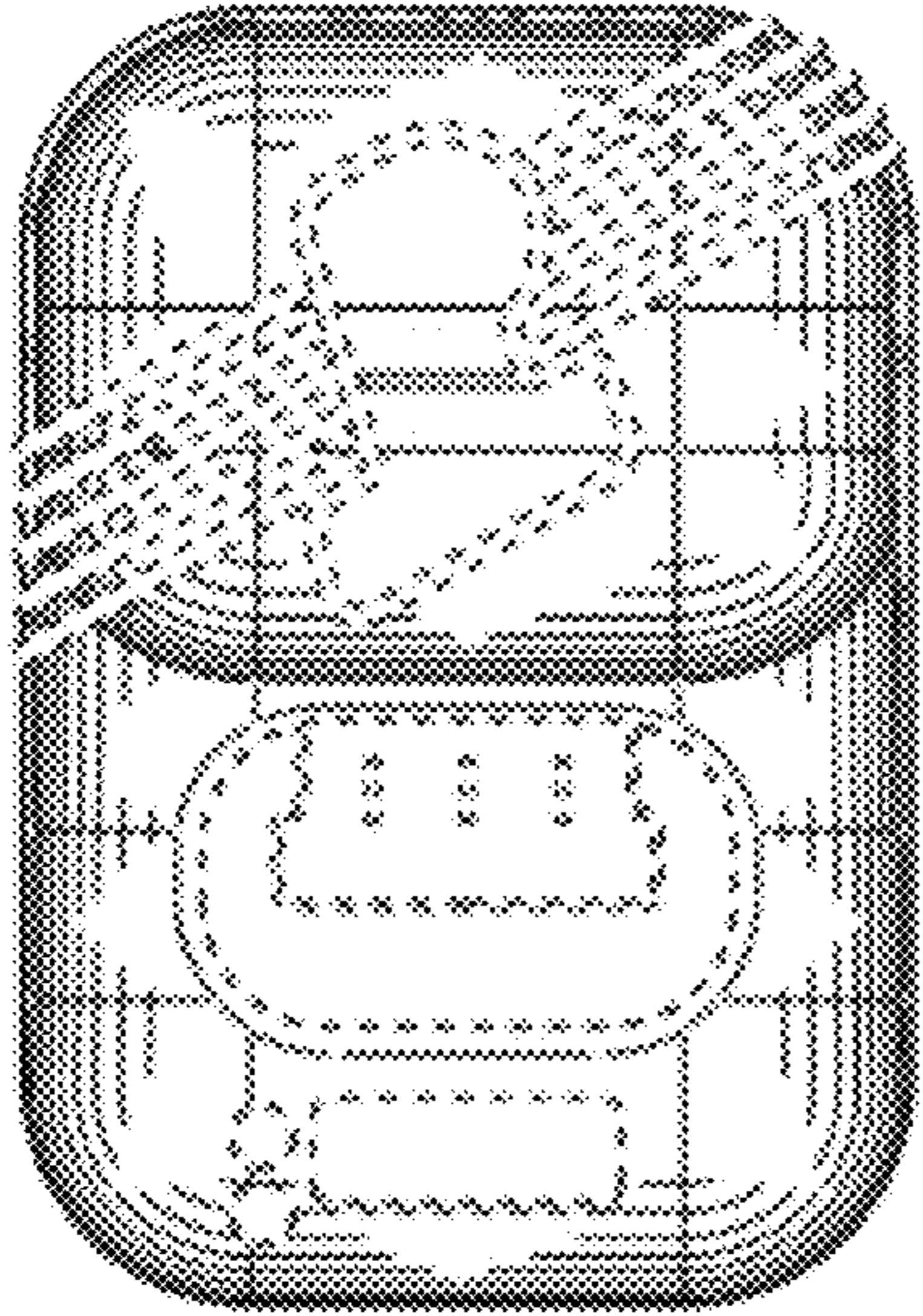


FIG. 7

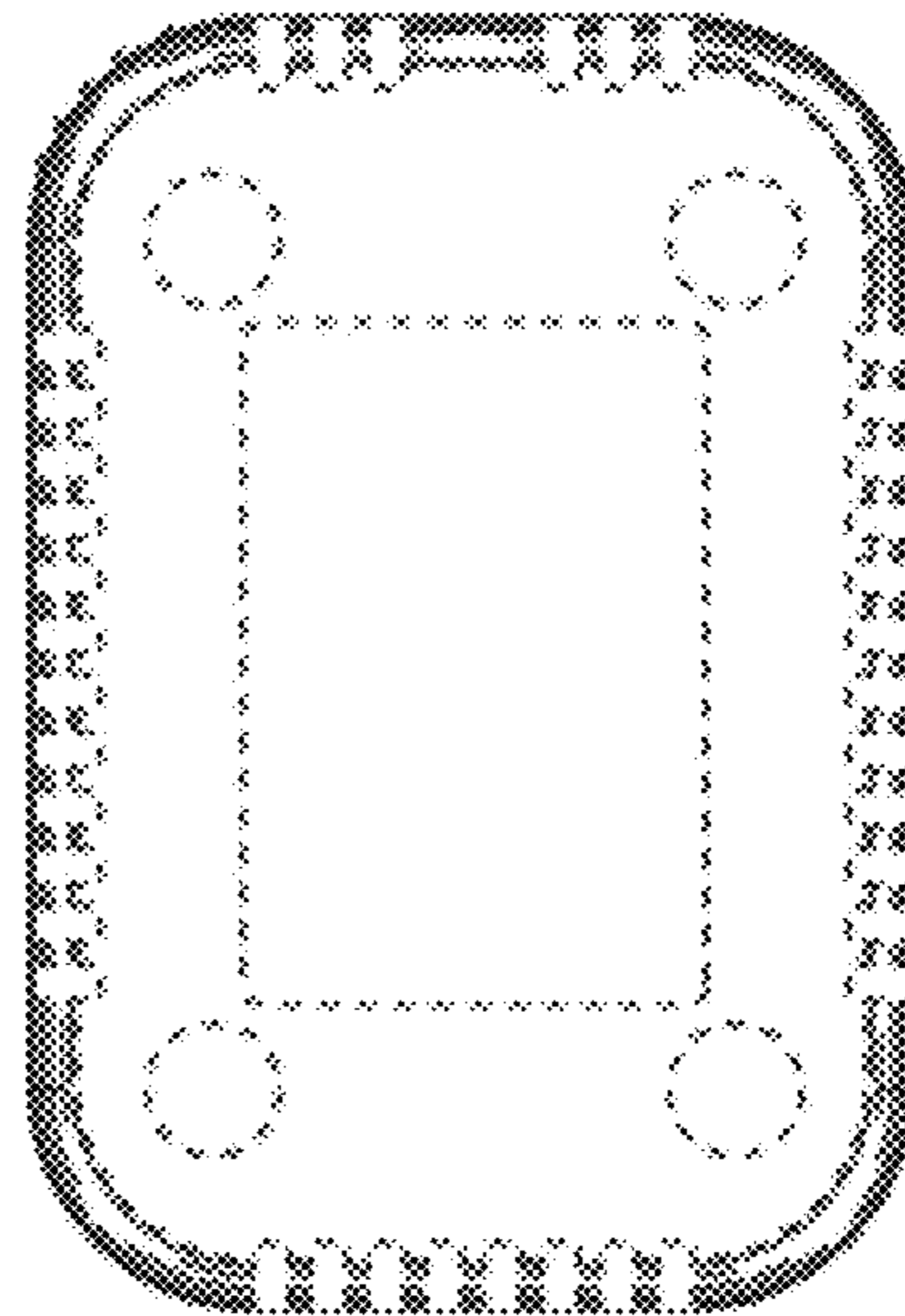


FIG. 8

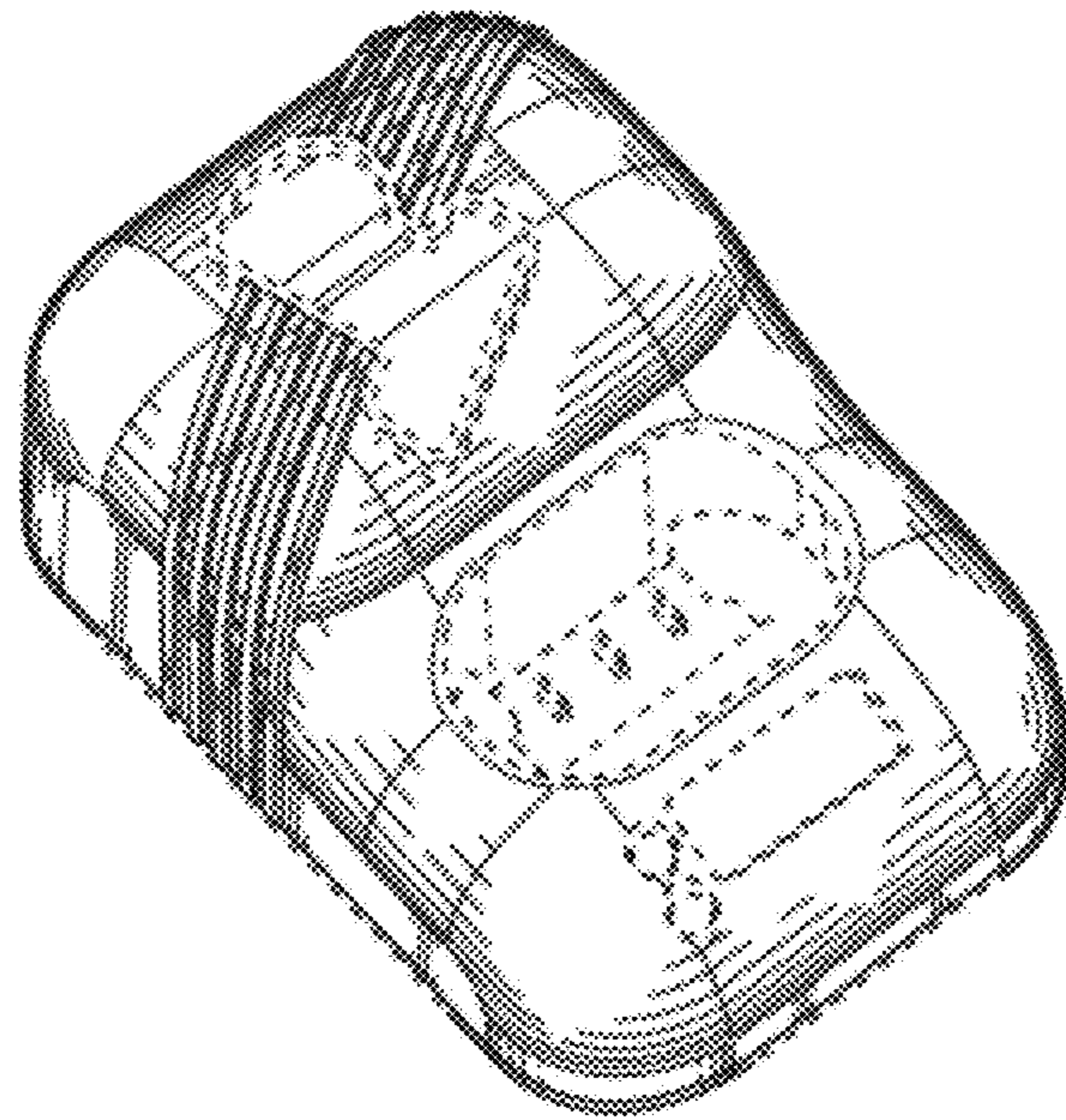


FIG. 9

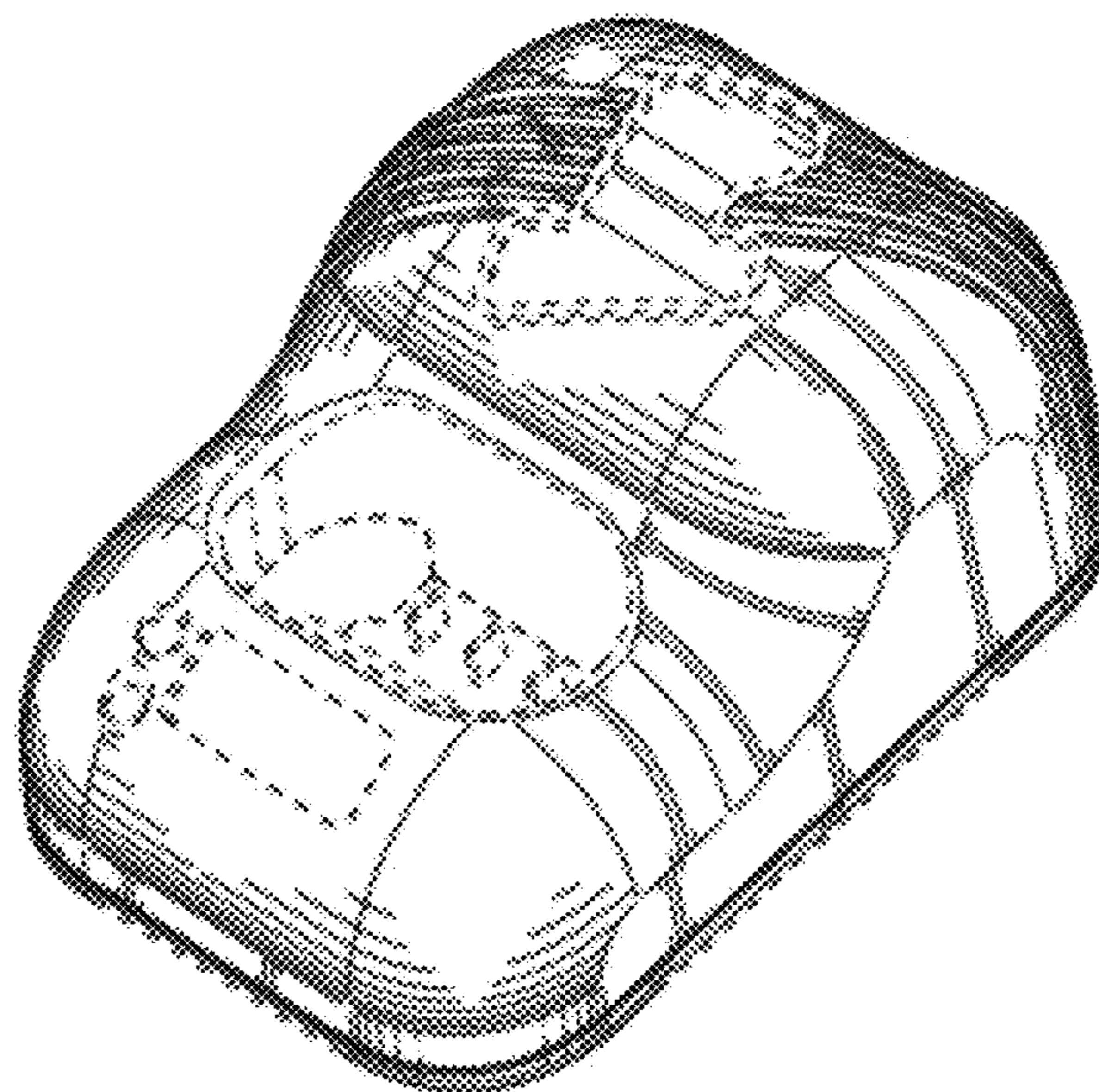


FIG. 10

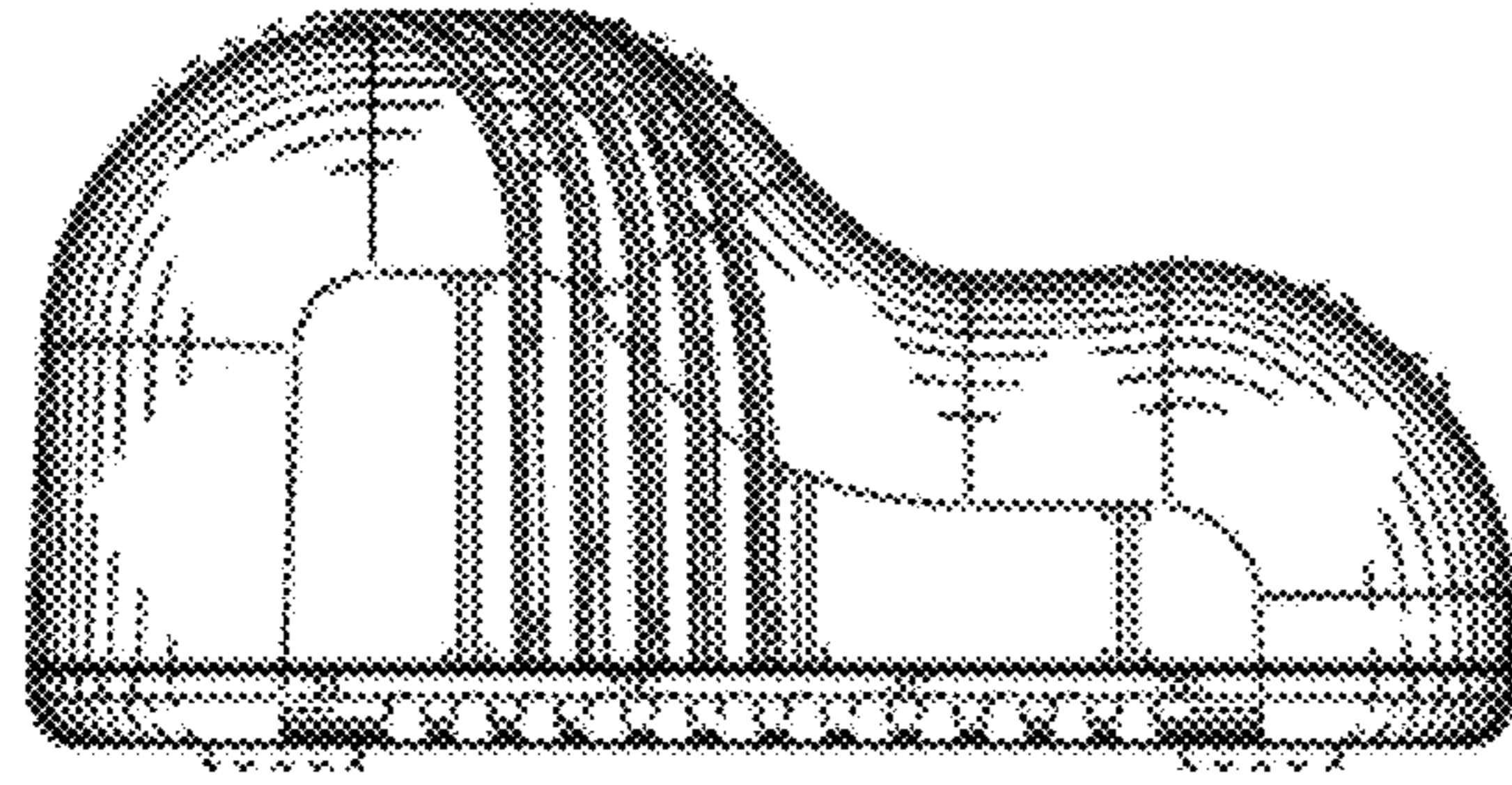


FIG. 11

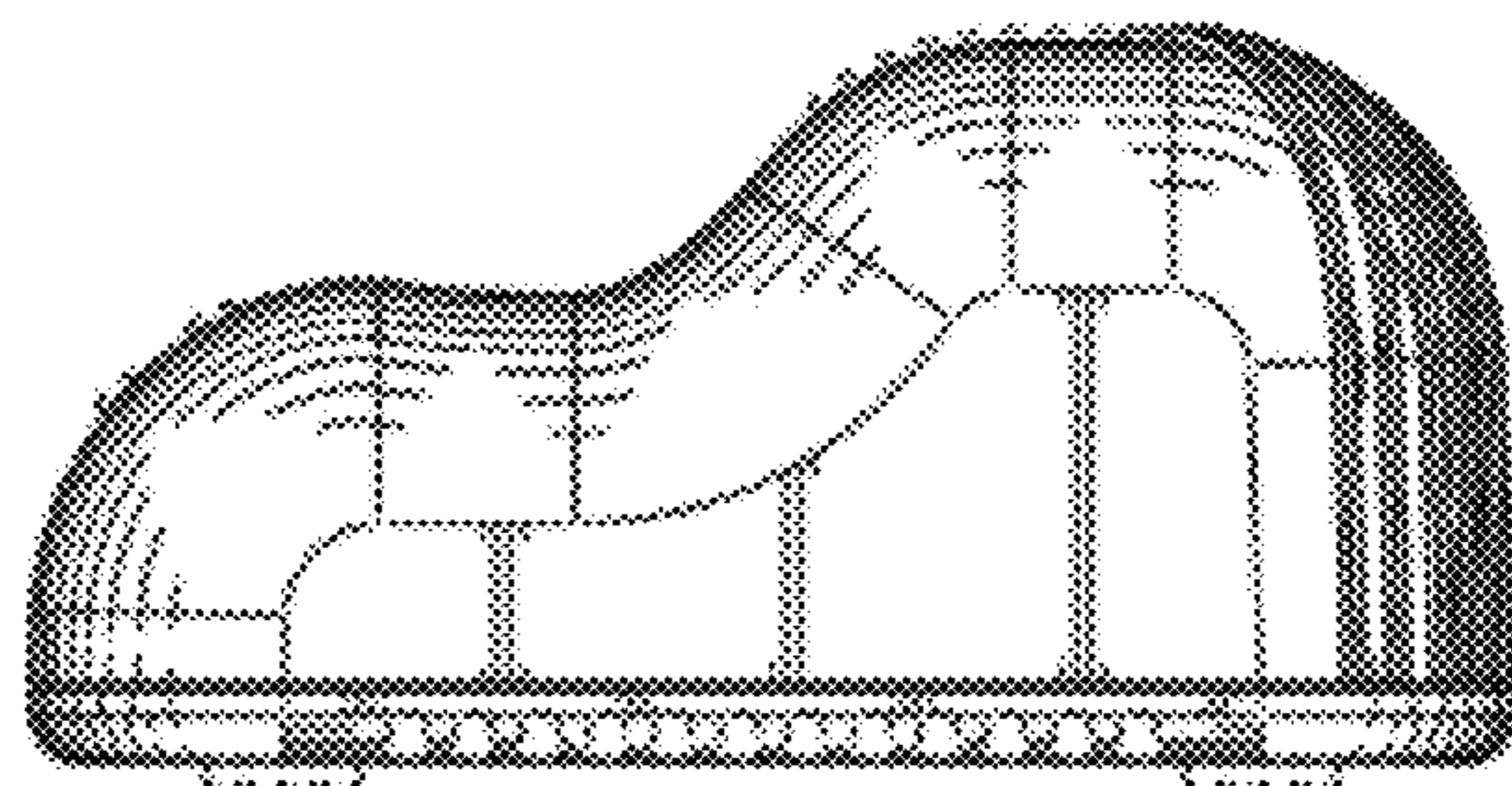


FIG. 12

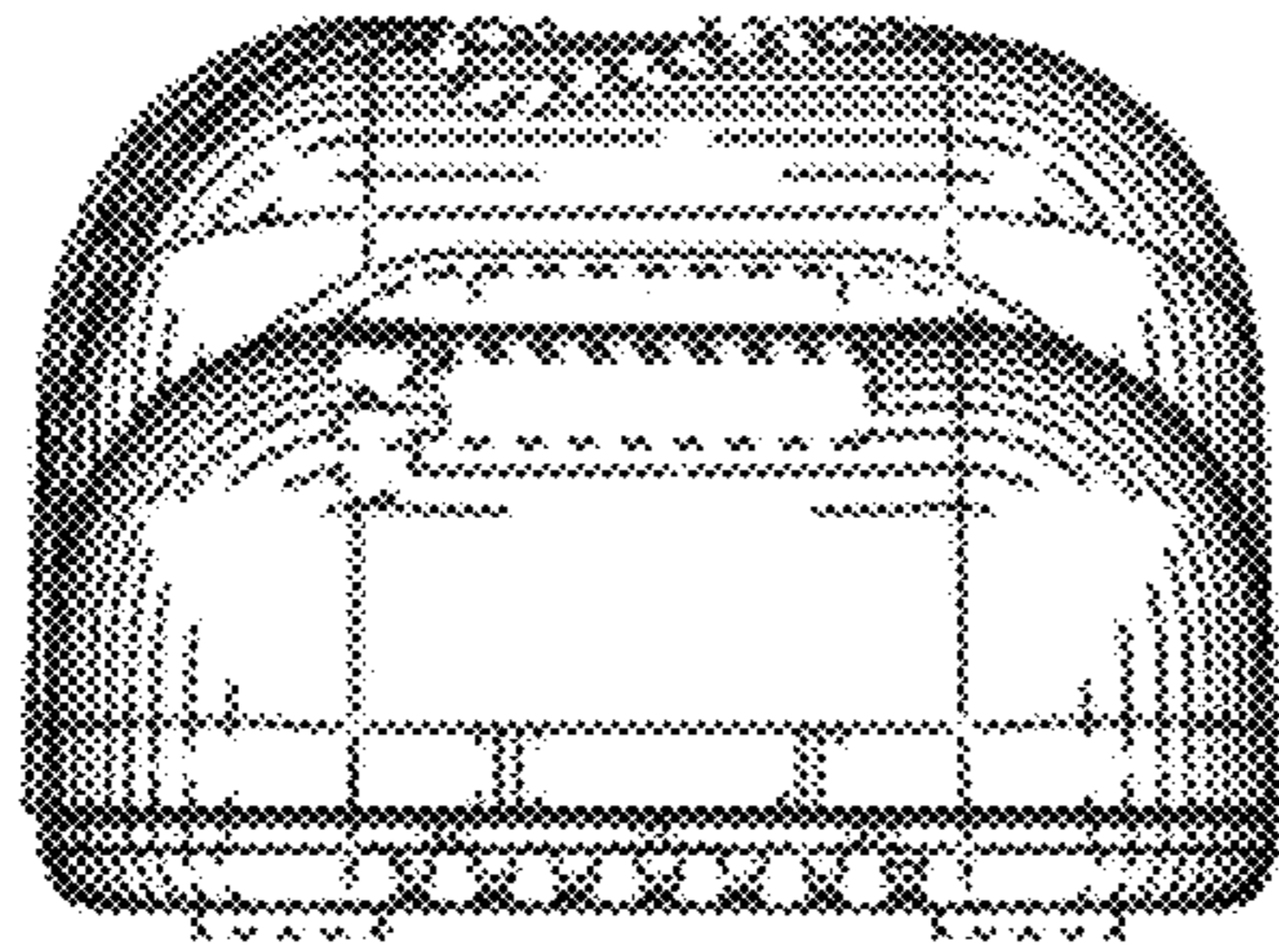


FIG. 13

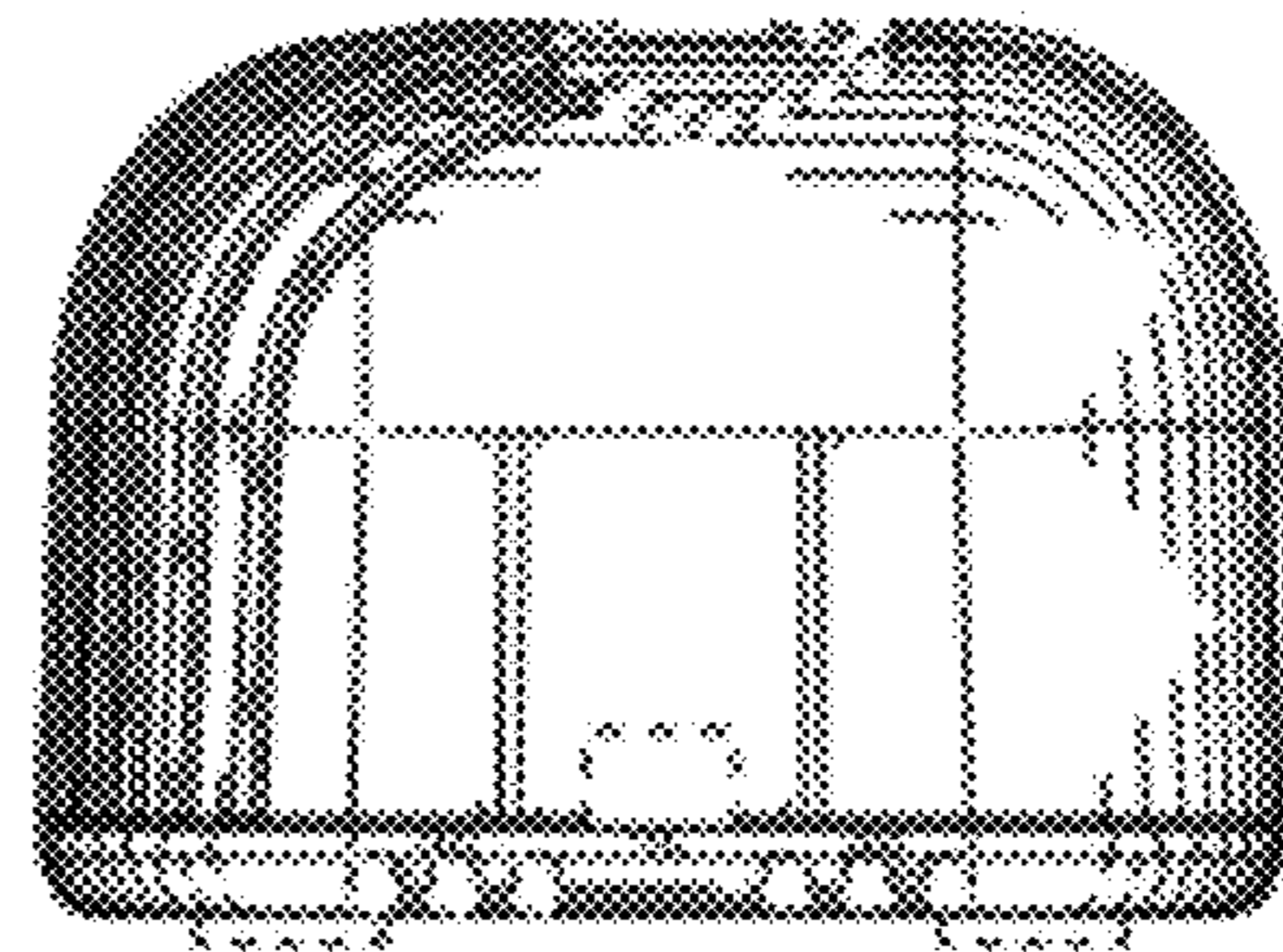


FIG. 14

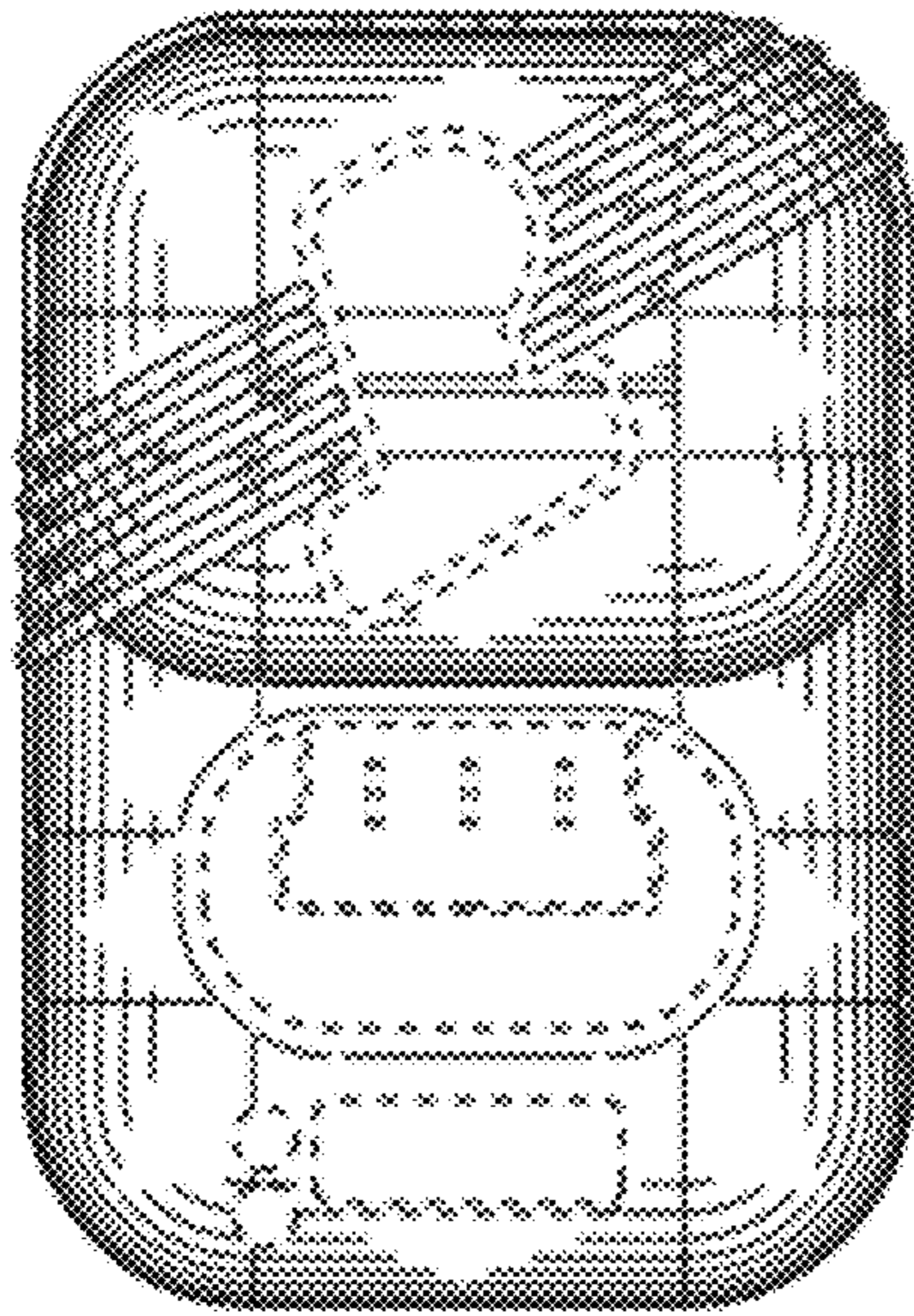


FIG. 15

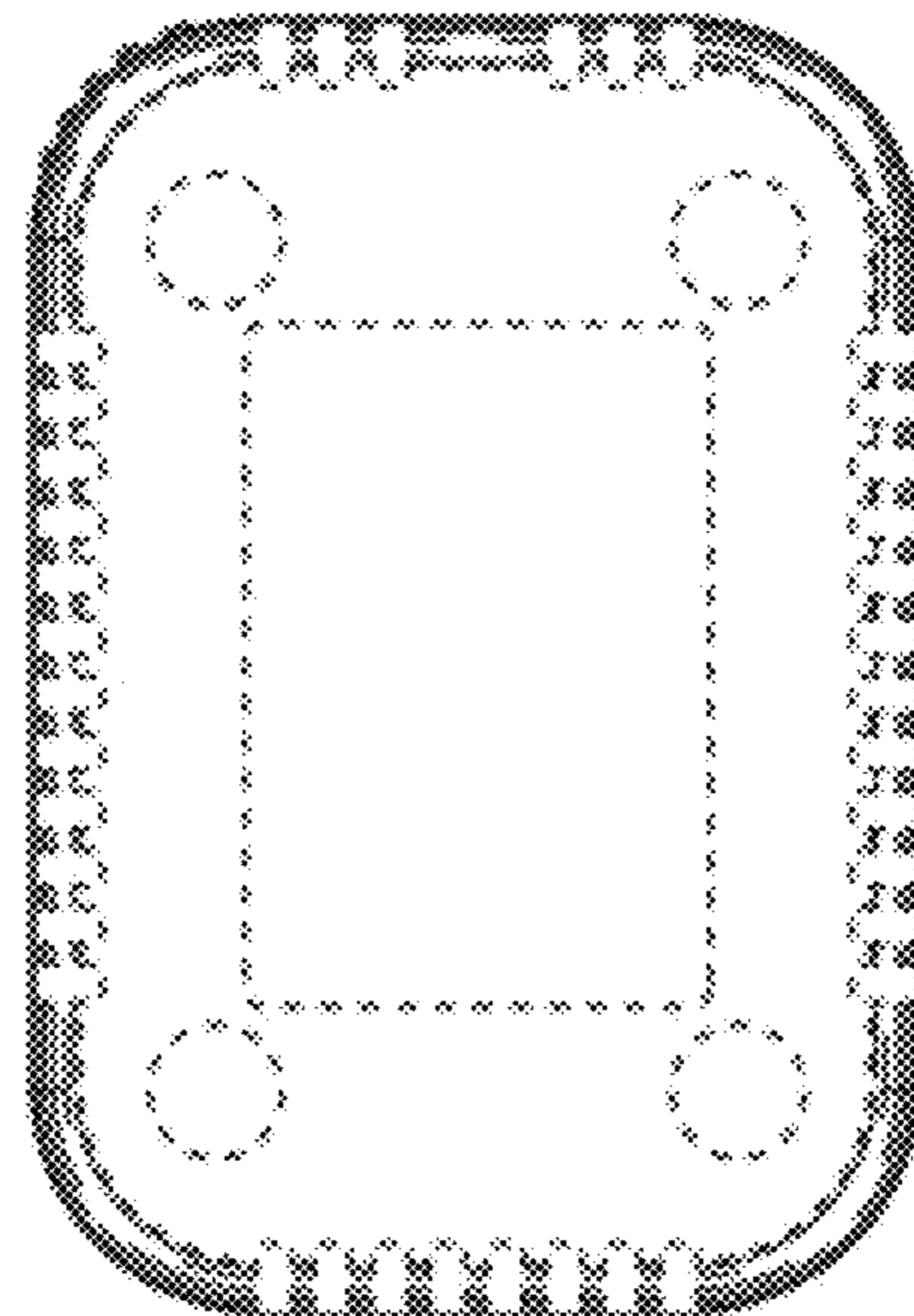


FIG. 16