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

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(54) **FILTER ELEMENT**

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

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(51) **LOC (13) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/365**

(58) **Field of Classification Search**
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D23/386-388
CPC Y10T 428/1366; B32B 2597/00; B01D
46/00; B01D 46/0004; B01D 27/04;
F25D 17/042; A61L 9/01

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,108,283 A	2/1938	Drew et al.
3,295,687 A	1/1967	Schmerler
3,786,926 A	1/1974	Wilhelm
4,613,438 A	9/1986	Degraffenreid
4,916,001 A	4/1990	Whittenberger et al.
D326,706 S	6/1992	Karlsson
5,609,761 A	3/1997	Franz
5,800,580 A	9/1998	Feldt

5,803,941 A	9/1998	Berkhoel et al.
5,954,849 A	9/1999	Berkhoel et al.
D437,402 S	2/2001	Gieseke et al.
6,197,191 B1	3/2001	Wobben
D449,102 S	10/2001	Shin
6,364,921 B1	4/2002	Raether et al.
6,387,162 B1	5/2002	Kosmider et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CN	1652859	8/2005
CN	102258918	11/2011

(Continued)

OTHER PUBLICATIONS

Notice of Allowance on U.S. Appl. No. 29/733,863 dated May 11,
2021.

(Continued)

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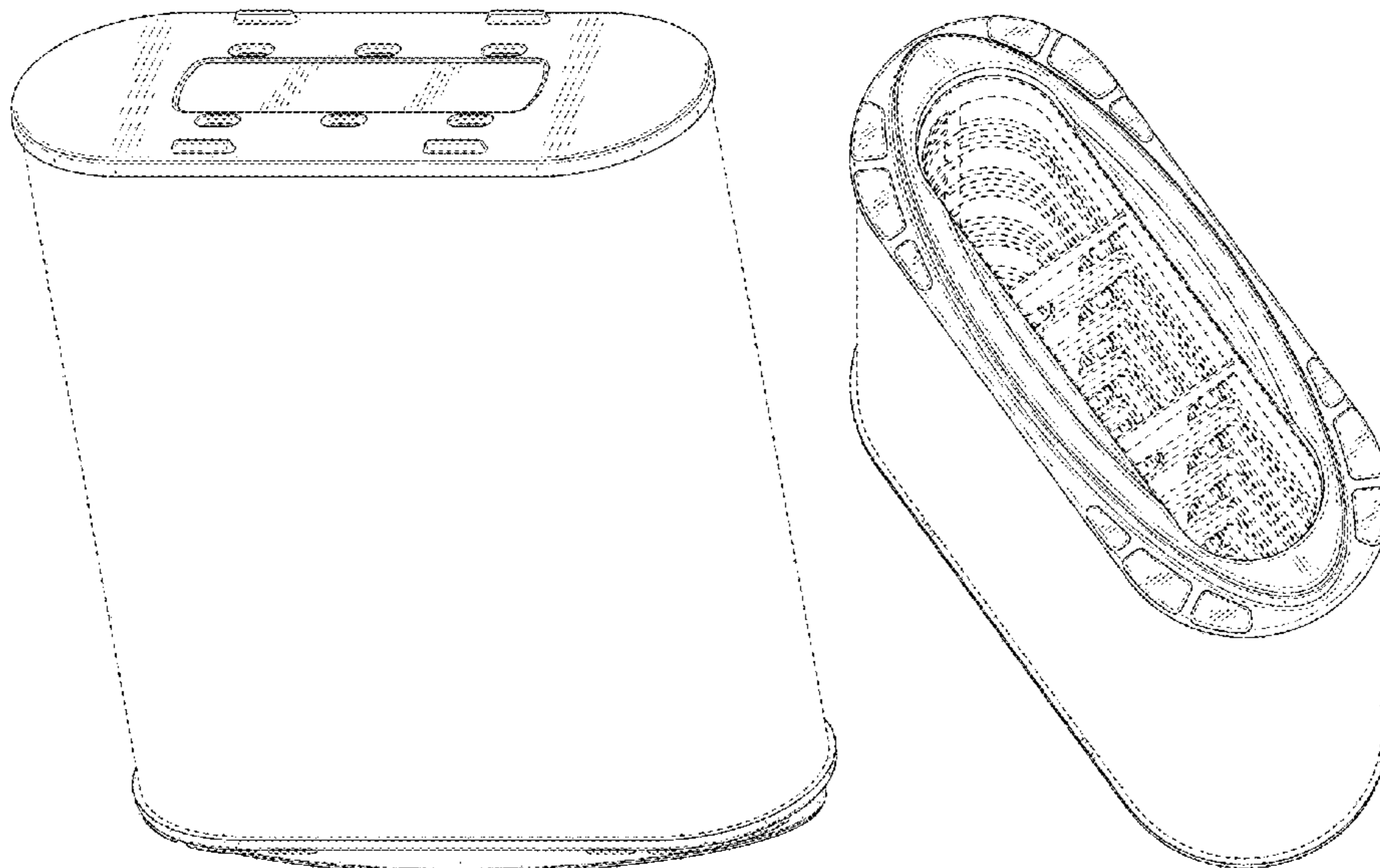
(57) **CLAIM**

We claim the ornamental design for a filter element, as
shown and described.

DESCRIPTION

FIG. 1 is a bottom perspective view of the claimed design;
FIG. 2 is a top perspective view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a top plan view thereof;
FIG. 5 is a front elevation view thereof;
FIG. 6 is a rear elevation view thereof;
FIG. 7 is a left side elevation view thereof; and,
FIG. 8 is a right side elevation view thereof.
The broken lines in the drawings illustrate the portions of the
design that are for illustrative purposes only and form no
part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

FOREIGN PATENT DOCUMENTS

WO	WO-03/084641	A2	10/2003
WO	WO-2005/011838		2/2005
WO	WO-2011/146474	A1	11/2011
WO	WO-2013/104797		7/2013
WO	WO-2015/061599		4/2015
WO	WO-2015/171744	A1	11/2015
WO	WO-2016/082854	A1	6/2016
WO	WO-2016/100772	A1	6/2016
WO	WO-2017/012932	A1	1/2017
WO	WO-2017/079191	A1	5/2017

OTHER PUBLICATIONS

International Search Report & Written Opinion for PCT/US2018/063976 dated Feb. 6, 2019, 10 pages.

Office Action for Design U.S. Appl. No. 29/646,936 dated Jul. 10, 2019, 5 pages.

Office Action for U.S. Appl. No. 16/115,040 dated Jun. 22, 2020, 11 pages.

Preliminary Search Report for French Patent App. No. 1851888 dated Nov. 13, 2018, 16 pages (with English translation).

First Office Action issued for Chinese Patent Application No. CN 201880086455.6 dated Jun. 3, 2021, 17 pages.

Office Action issued for Colombian Patent Application No. CO NC2018/0012902 dated Nov. 29, 2011, 11 pages.

International Search Report & Written Opinion for PCT/US2021/042780 dated Nov. 15, 2021, 13 pages.

Office Action issued for U.S. Appl. No. 17/113,619 dated Feb. 9, 2022, 24 pages.

Non-Final Office Action issued for U.S. Appl. No. 16/769,742 dated Mar. 25, 2022, 26 pages.

* cited by examiner

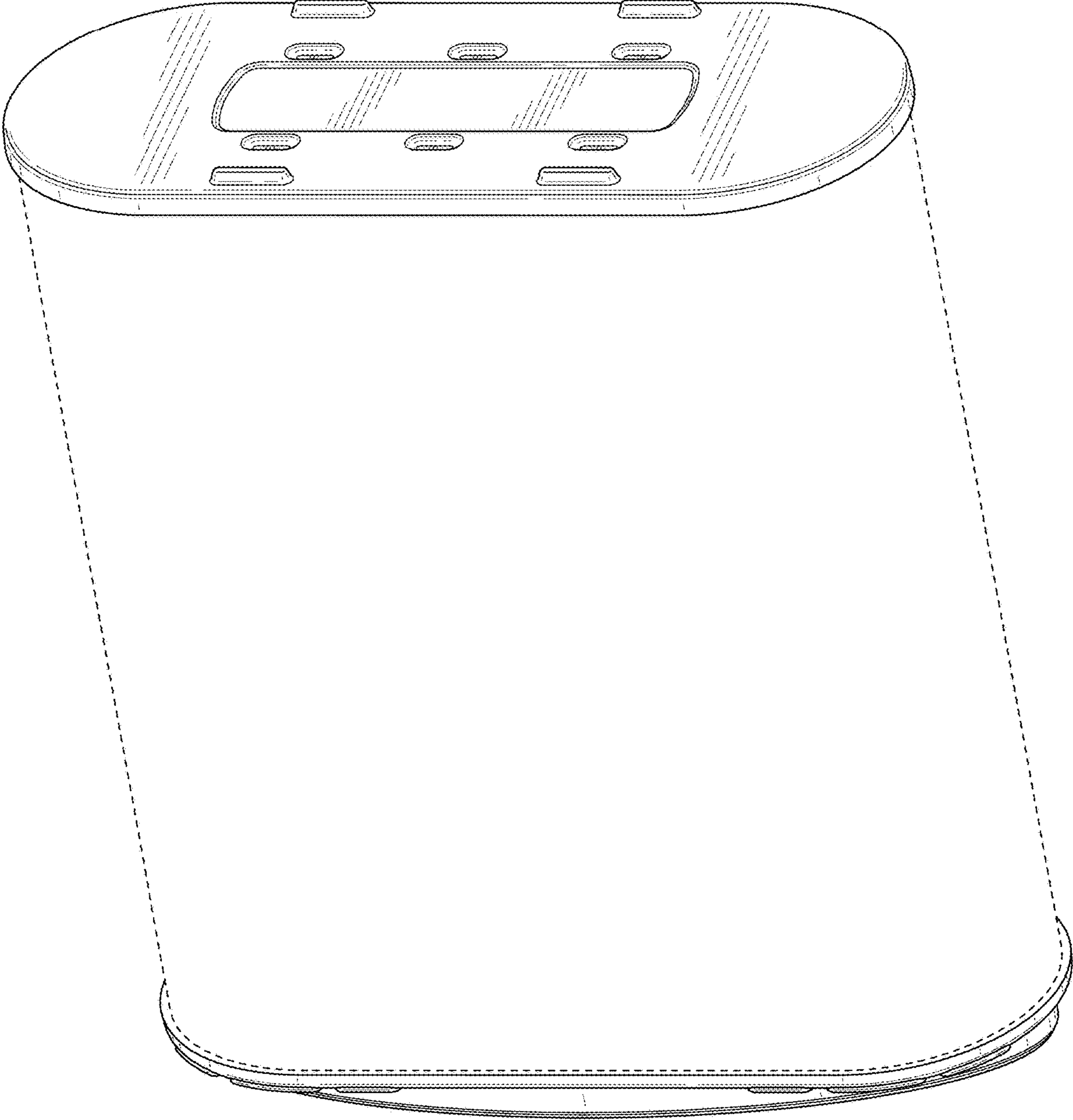


FIG. 1

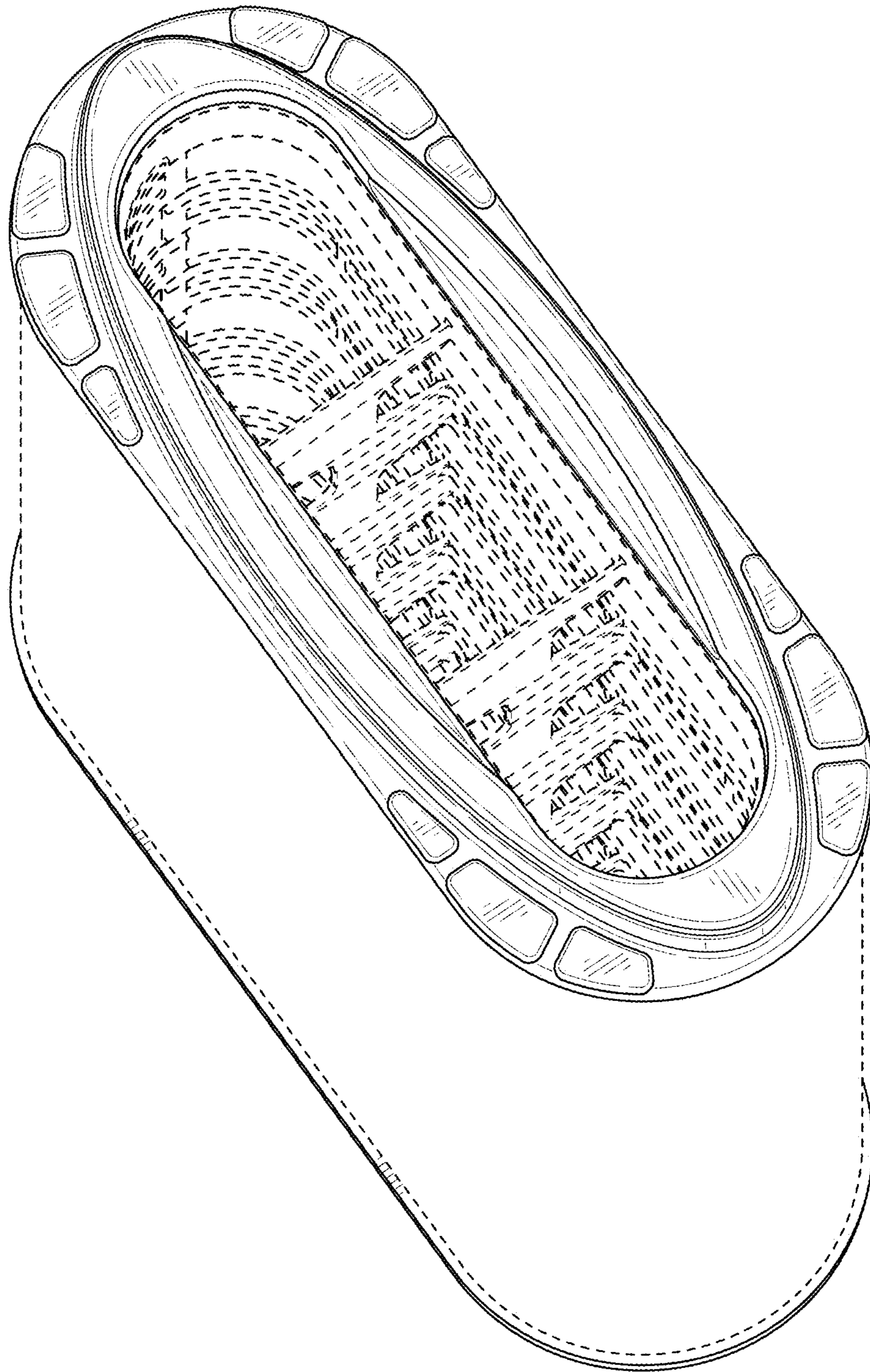


FIG. 2

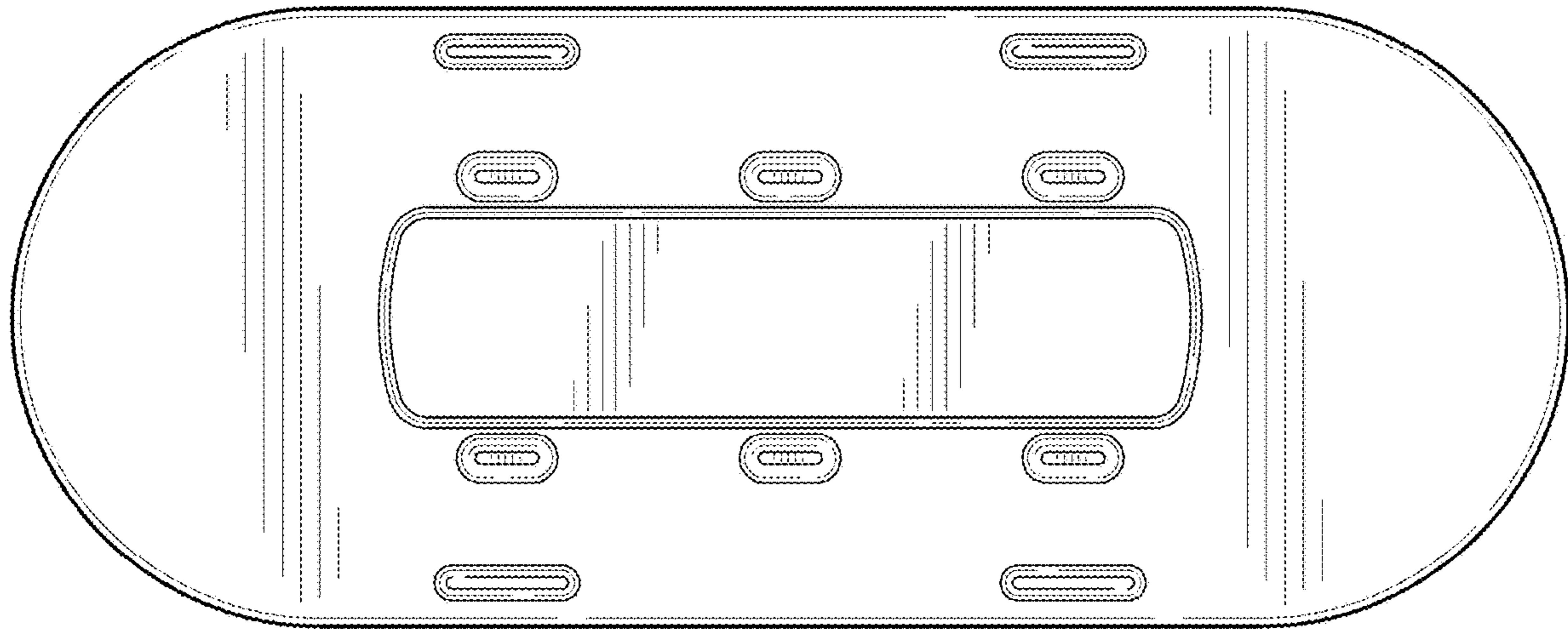


FIG. 3

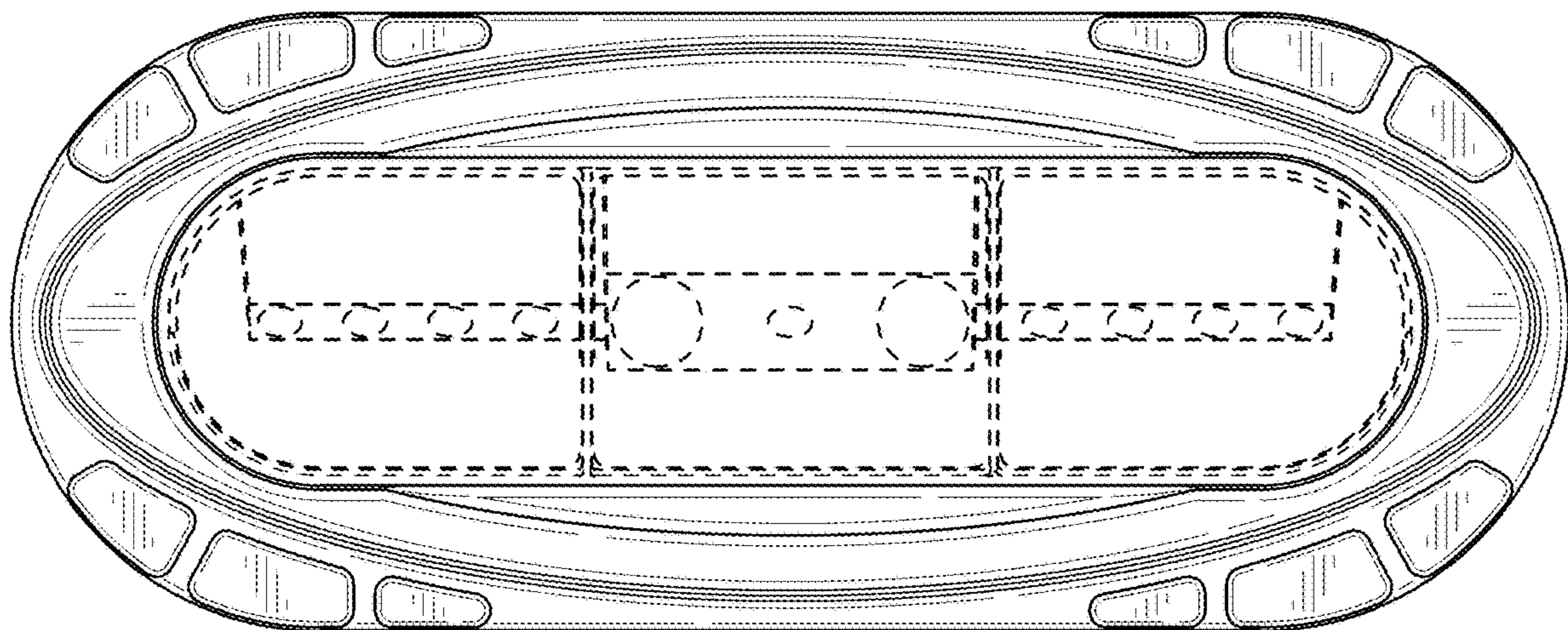


FIG. 4

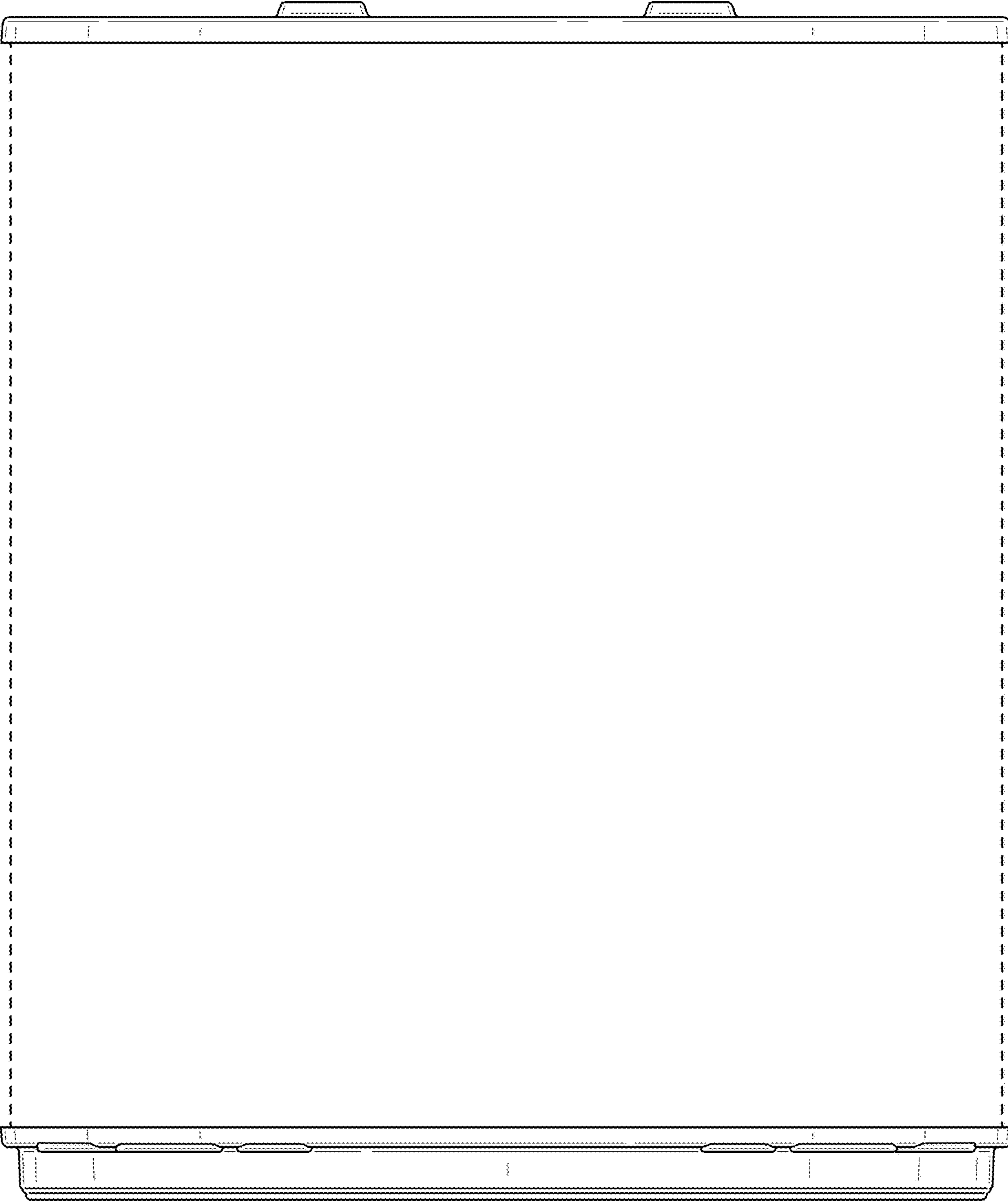


FIG. 5

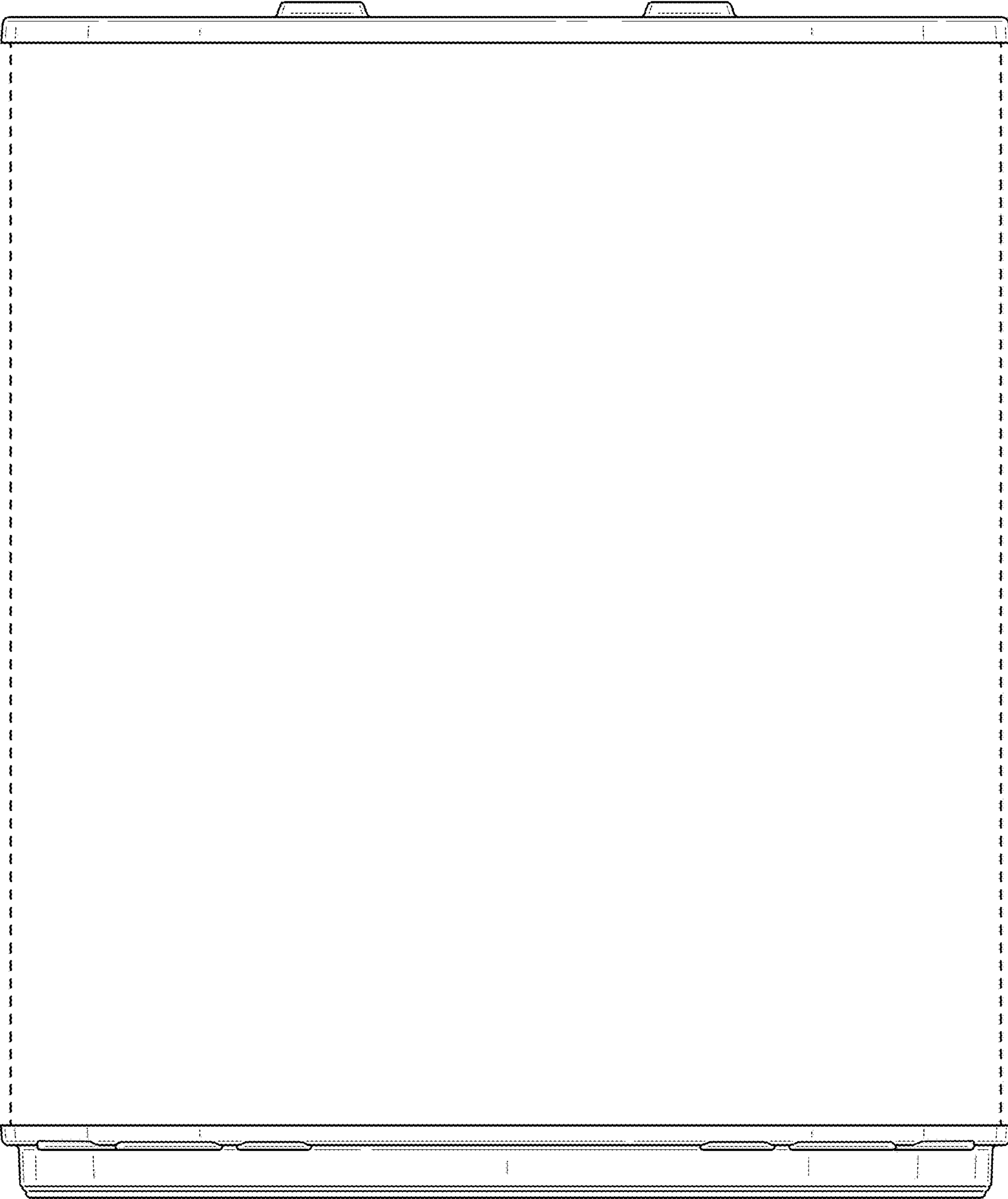


FIG. 6

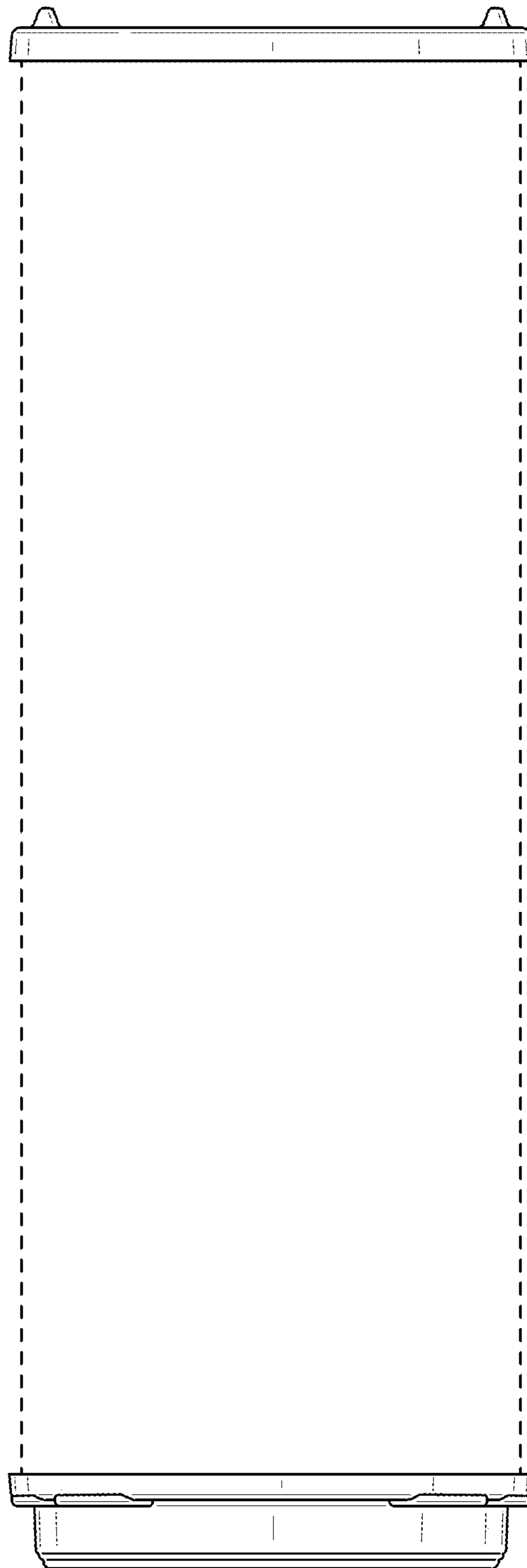


FIG. 7

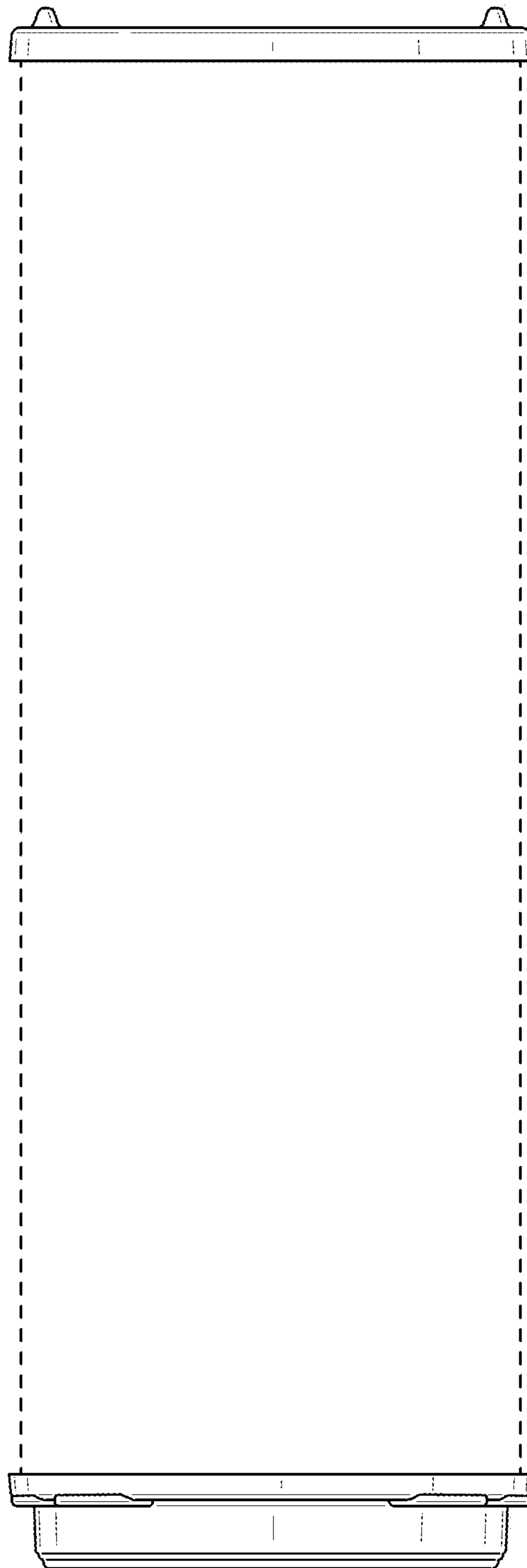


FIG. 8