



US00D872959S

(12) **United States Design Patent** (10) **Patent No.:** **US D872,959 S**
Chen (45) **Date of Patent:** **** Jan. 14, 2020**

(54) **SENSOR TRASH CAN**
(71) Applicant: **EKO DEVELOPMENT LTD.,**
Guangzhou (CN)
(72) Inventor: **Yizhi Chen,** Guangzhou (CN)
(73) Assignee: **EKO Development Limited,**
Guangzhou (CN)
(**) Term: **15 Years**

D627,533 S 11/2010 Yang et al.
D634,911 S * 3/2011 Yang D34/7
D644,390 S 8/2011 Smeets et al.
D644,806 S 9/2011 Yang et al.
D657,108 S 4/2012 Yang et al.
D657,109 S 4/2012 Liao
D675,802 S 2/2013 Yang et al.
8,820,566 B2 9/2014 Ude
D719,313 S 12/2014 Kao
D720,513 S 12/2014 Yang et al.
D725,861 S 3/2015 Yang et al.
(Continued)

(21) Appl. No.: **29/670,020**

OTHER PUBLICATIONS

(22) Filed: **Nov. 13, 2018**

Belson Outdoors "Durable Two-Piece Fiberglass Trash Receptacle",
<http://www.belson.com/Open-Top-Lift-Off-20-Gallon-Round-Fiberglass-Trash-Can>. Jun. 6, 2017. shown in p. 1, Model FG1829 TPL.

(30) **Foreign Application Priority Data**

Jul. 26, 2018 (CN) 2018 3 0408316

(Continued)

(51) **LOC (12) Cl.** **09-09**

(52) **U.S. Cl.**
USPC **D34/7**

(58) **Field of Classification Search**
USPC D34/1, 7, 9, 10, 11; 220/908, 263, 264,
220/495.06, 211
CPC B65F 1/163; B65F 1/1638; B65F 2250/11;
B65F 2230/00; B62B 2202/20; B62B
3/02

Primary Examiner — Gino Colan
(74) *Attorney, Agent, or Firm* — William Dippert;
Laurence Greenberg; Werner Stemer

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a sensor trash can, as shown and described.

(56) **References Cited**

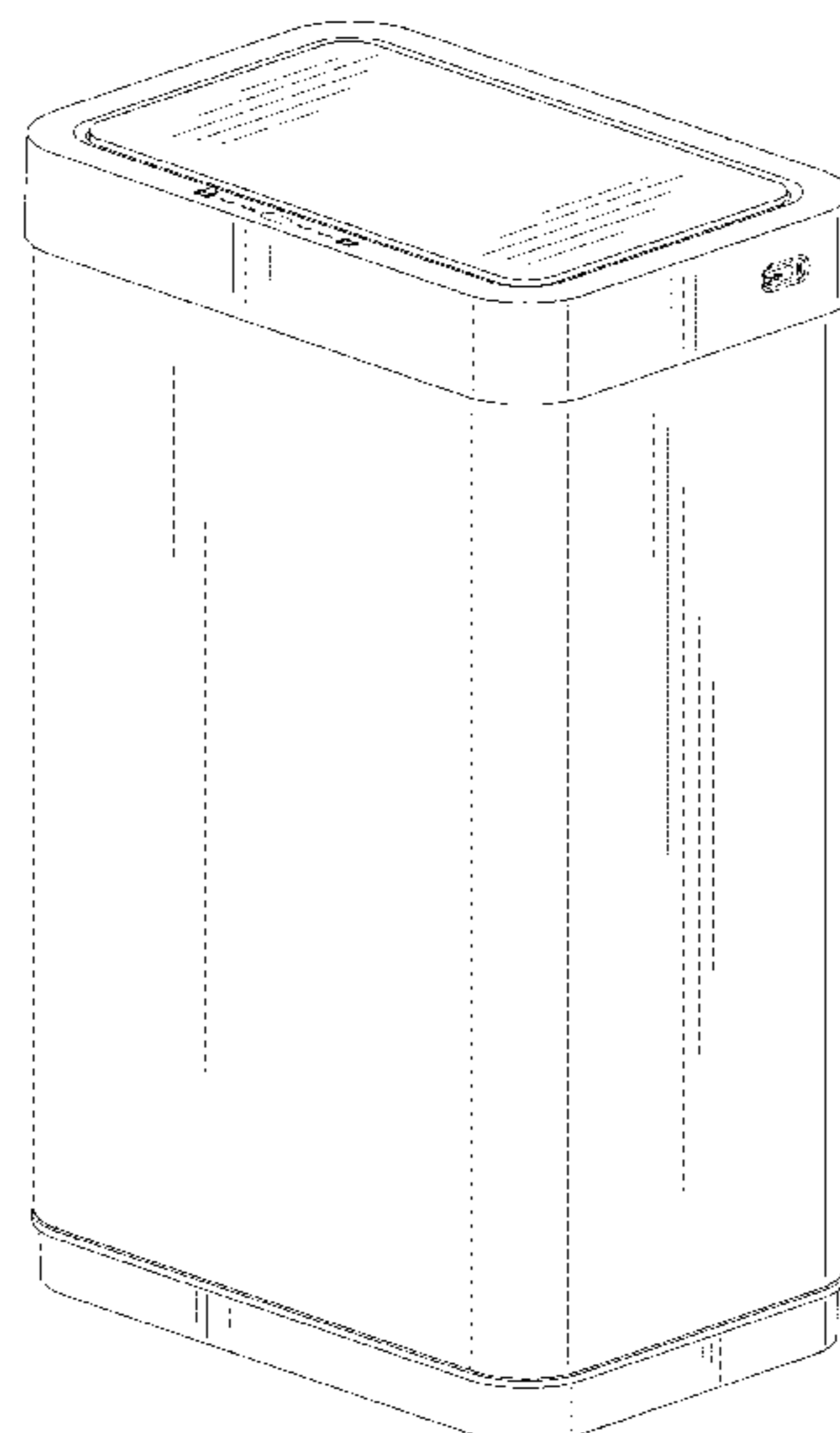
DESCRIPTION

U.S. PATENT DOCUMENTS

D246,090 S 10/1977 Gault
D335,562 S 5/1993 Evans
5,242,074 A 9/1993 Conaway et al.
D343,709 S 1/1994 Doty et al.
6,345,725 B1 2/2002 Lin
D472,357 S 3/2003 Stewart
D482,169 S 11/2003 Lin
D527,155 S 8/2006 Fankhauser
D552,321 S 10/2007 Yang et al.
D571,520 S 6/2008 Lin
D580,613 S * 11/2008 Yang D34/7

FIG. 1 is a perspective view of a sensor trash can, showing my new design.
FIG. 2 is a top plan view thereof.
FIG. 3 is a rear elevation view thereof.
FIG. 4 is a left-side elevation view thereof.
FIG. 5 is a front elevation view thereof.
FIG. 6 is a bottom plan view thereof; and,
FIG. 7 is a right-side elevation view thereof.
The broken lines shown in the figures are for the purpose of illustrating portions of the sensor trash can and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D730,008	S	5/2015	Yang et al.	
D754,413	S	4/2016	Wall	
D759,934	S	6/2016	Yang et al.	
D771,344	S	11/2016	Yang et al.	
D773,145	S	11/2016	Yang et al.	
D790,145	S *	6/2017	Chen	D34/7
D793,642	S	8/2017	Yang et al.	
D798,016	S	9/2017	Yang et al.	
D809,729	S *	2/2018	Chen	D34/7
D855,919	S *	8/2019	Yang	D34/7
D860,570	S *	9/2019	Chen	D34/7
2011/0220648	A1 *	9/2011	Yang	B65F 1/1638 220/211

OTHER PUBLICATIONS

Amazon "Simplehuman Bullet Open Trash Can", https://www.amazon.com/simplehuman-Bullet-Trash-Commercial-Stainless/dp/B000BHUHP0/ref=cm_cr_ar_p_d_product_top?ie=UTF8. Apr. 17, 2008. shown in p. 1, Model No. CW1407.

* cited by examiner

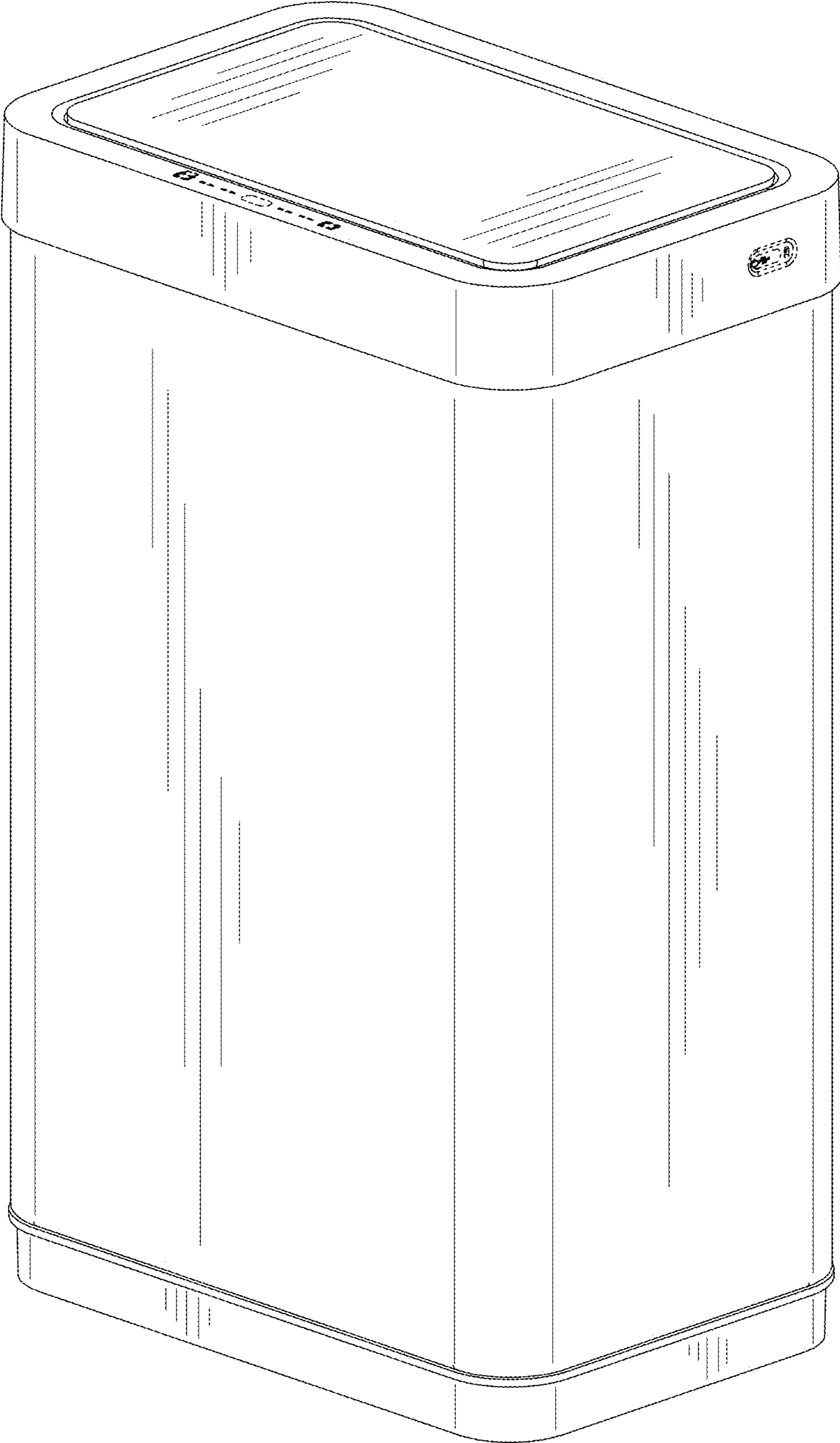


FIG. 1

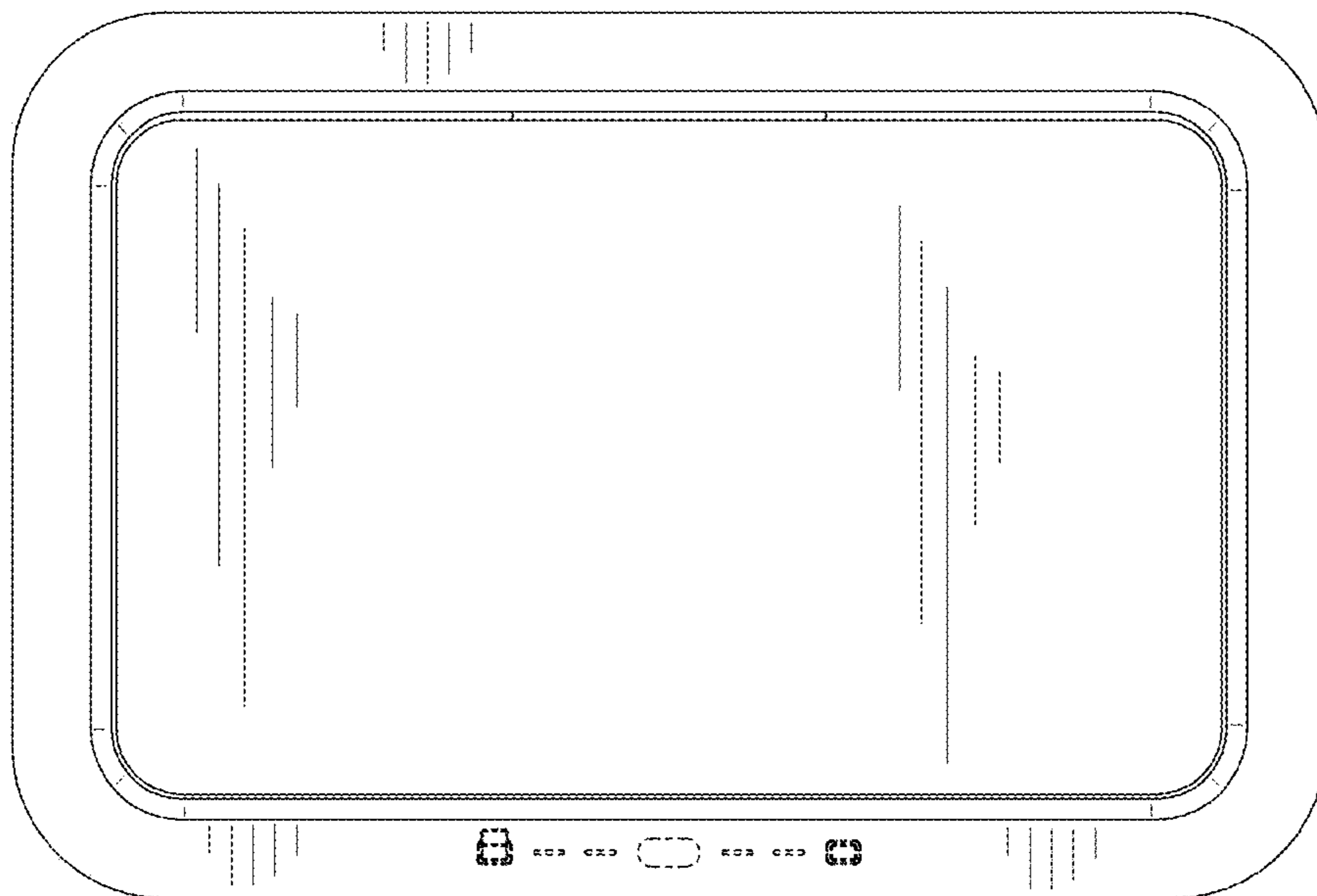


FIG. 2

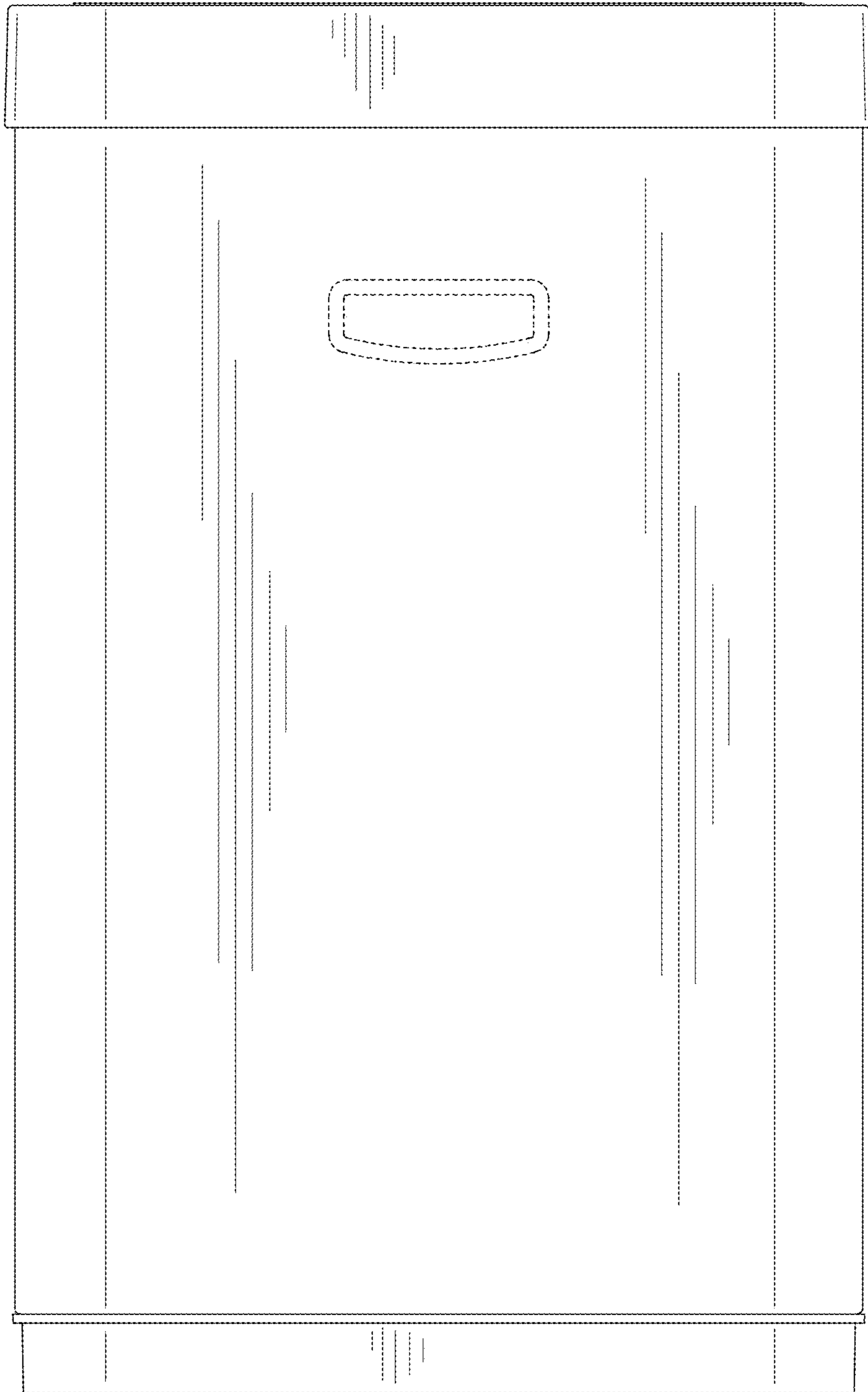


FIG. 3

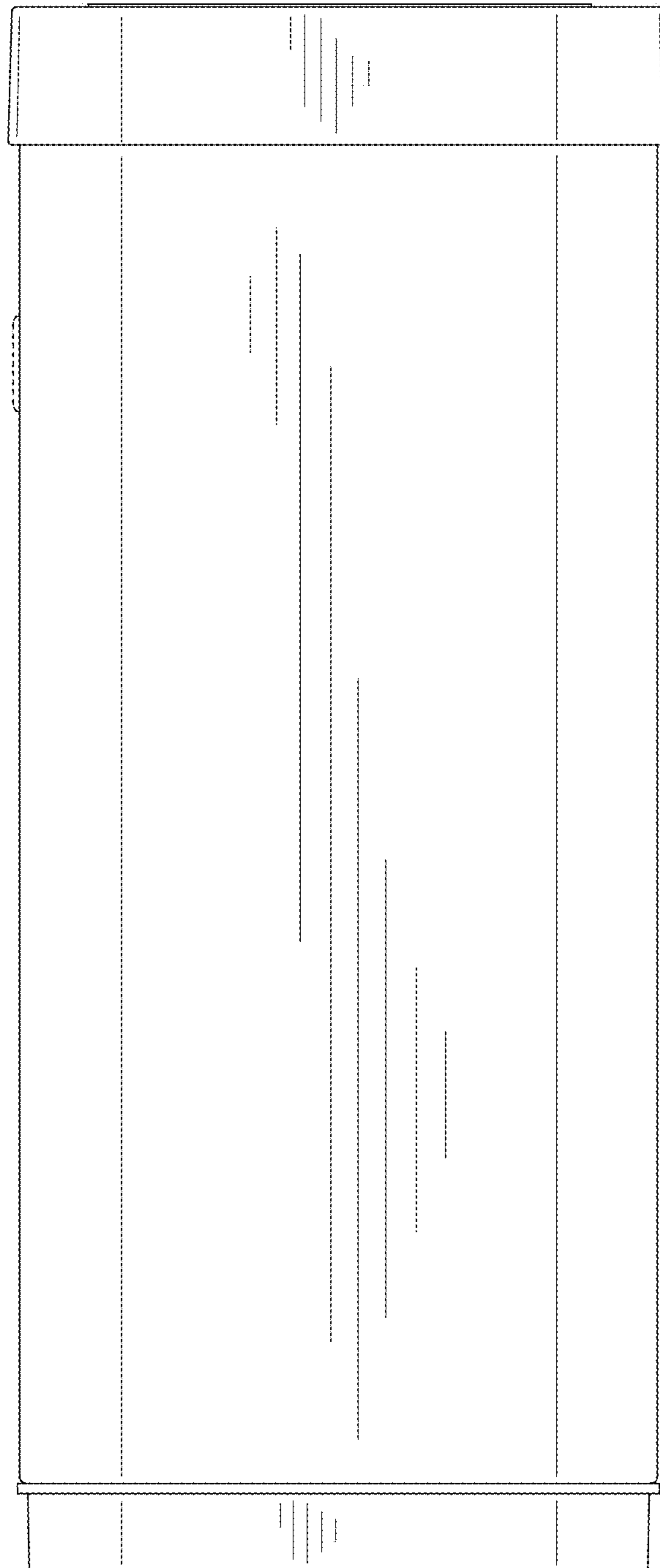


FIG. 4

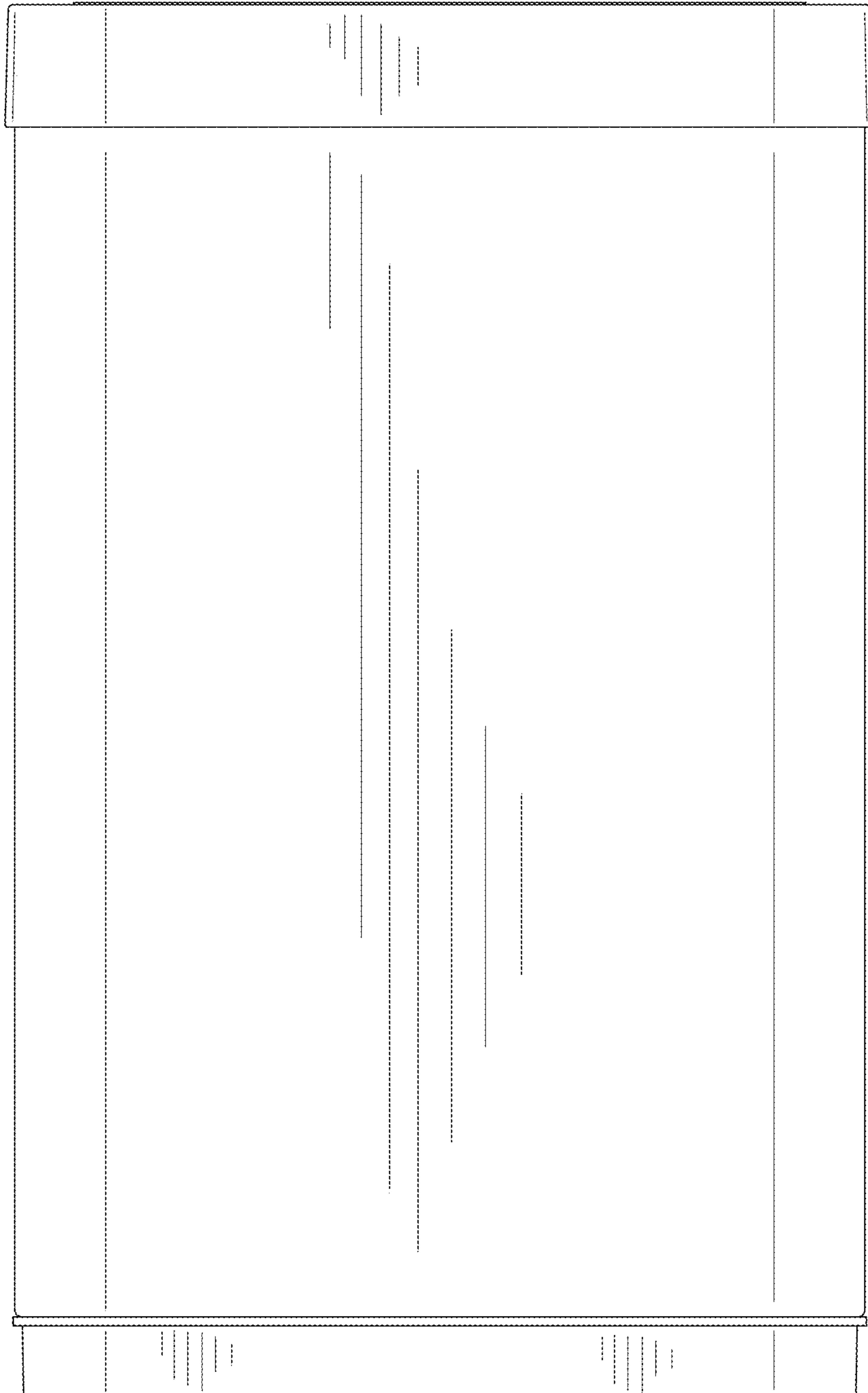


FIG. 5

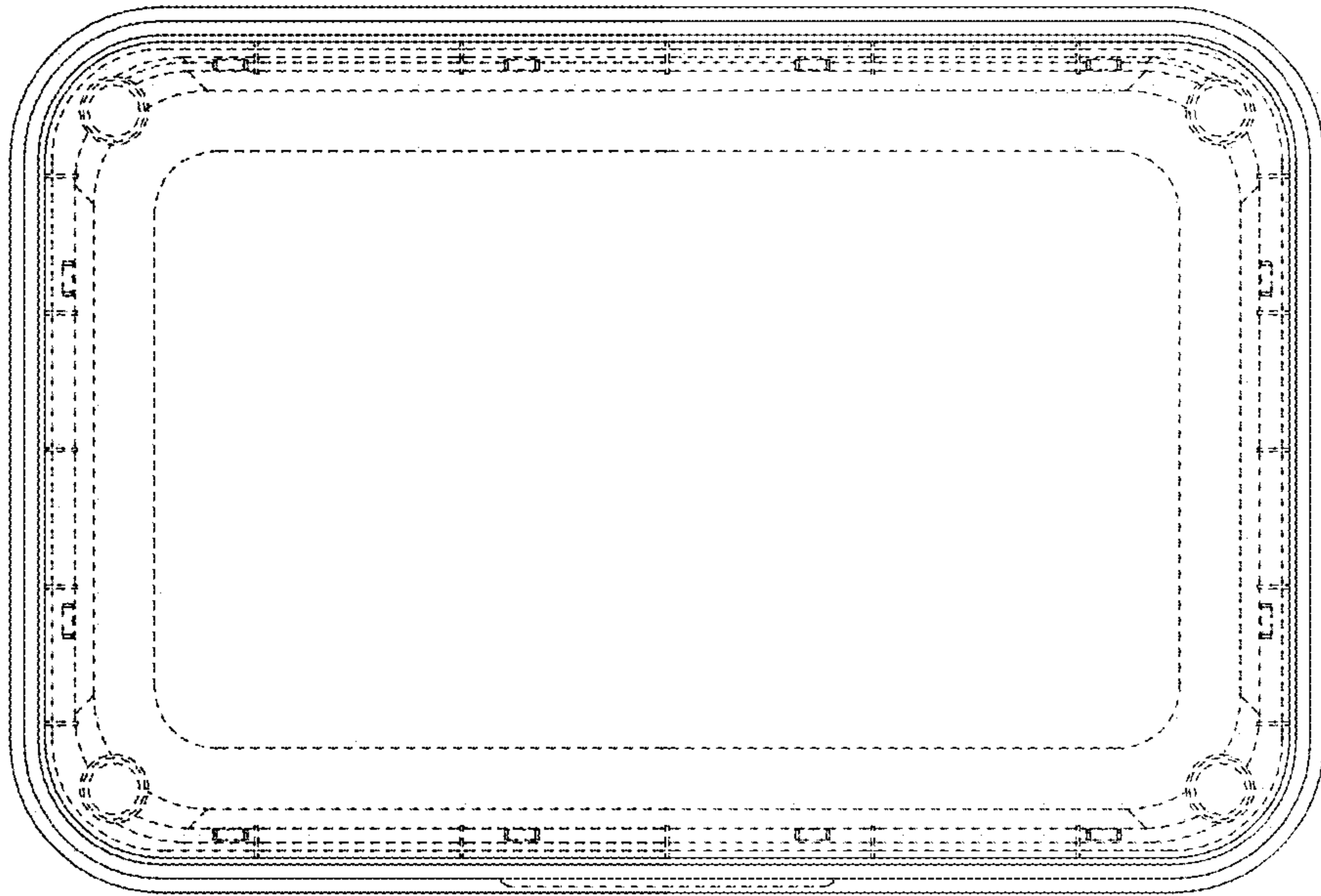


FIG. 6

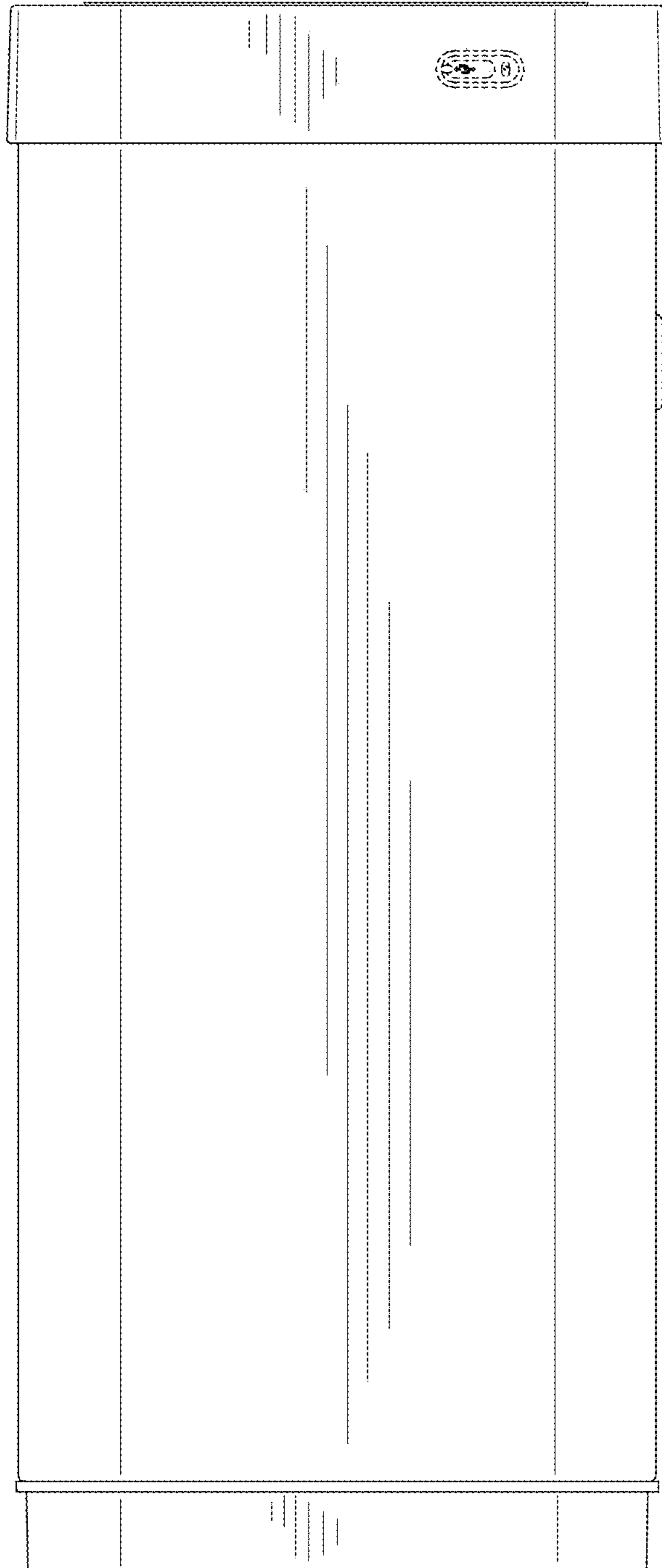


FIG. 7