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(12) **United States Design Patent** (10) **Patent No.:** **US D871,012 S**
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- (54) **SENSOR TRASH CAN**
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- (**) Term: **15 Years**
- (21) Appl. No.: **29/640,598**
- (22) Filed: **Mar. 15, 2018**
- (51) **LOC (12) Cl.** **09-09**
- (52) **U.S. Cl.**
USPC **D34/7**
- (58) **Field of Classification Search**
USPC D23/202, 203, 207; D34/1, 2, 3, 4, 5, 6,
D34/7, 8, 9, 10, 11, 39; 220/252, 62.13,
220/484, 569, 4.04, 703, 737, 748, 908,
220/908.1, 908.2, 909, 495.08, 211, 262,
220/263, 212; D9/737, 738, 770, 772,
D9/777, 778
CPC B65F 1/1615; B65F 1/16; B65F 1/004;
B62B 2202/20
See application file for complete search history.

- D580,613 S * 11/2008 Yang D34/7
- D627,533 S 11/2010 Yang et al.
- D631,221 S * 1/2011 Yang D34/9
- 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
(Continued)

OTHER PUBLICATIONS

Eko, "Monia Motion Sensor Trash Can", Jul. 30, 2019. <https://www.ekousa.com/shop-all/monia-rectangular-motion-sensor-trash-can/>.
Shown on p. 1. (Year: 2019).*

(Continued)

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(57) **CLAIM**

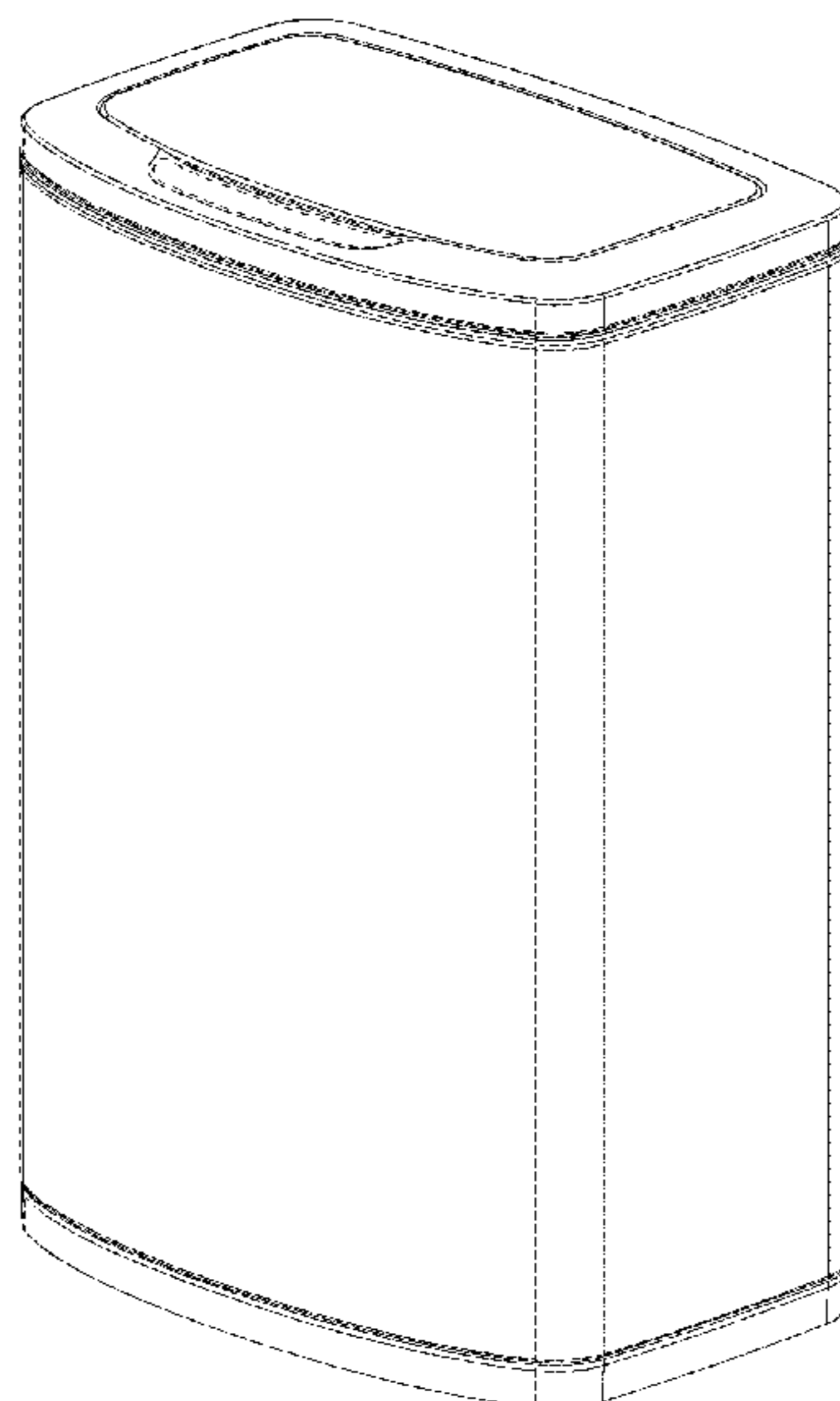
The ornamental design for a sensor trash can, as shown and described.

DESCRIPTION

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 drawings are for the purpose of illustrating portions of the sensor trash can which form no part of the claimed design.

1 Claim, 7 Drawing Sheets

- (56) **References Cited**
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
D580,120 S * 11/2008 Lin D34/7



(56)

References Cited

U.S. PATENT DOCUMENTS

D719,313 S 12/2014 Kao
 D720,513 S 12/2014 Yang et al.
 D725,861 S 3/2015 Yang et al.
 D727,583 S * 4/2015 Yang D34/7
 D730,008 S 5/2015 Yang et al.
 D734,912 S * 7/2015 Ho D34/7
 D754,413 S 4/2016 Wall
 D759,934 S 6/2016 Yang et al.
 D762,037 S * 7/2016 Chen D34/7
 D765,937 S * 9/2016 Chen D34/7
 D771,344 S 11/2016 Yang et al.
 D773,145 S 11/2016 Yang et al.
 D773,769 S * 12/2016 Chen D34/9
 D790,145 S * 6/2017 Chen D34/7
 D793,642 S 8/2017 Yang et al.
 D796,766 S * 9/2017 Chen D34/7
 D798,016 S 9/2017 Yang et al.
 D809,729 S * 2/2018 Chen D34/7
 D837,473 S * 1/2019 Magnuson D34/9
 D841,275 S * 2/2019 Chen D34/9
 D845,576 S * 4/2019 Lu D34/9
 D853,067 S * 7/2019 Chen D34/9

OTHER PUBLICATIONS

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.

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

* cited by examiner

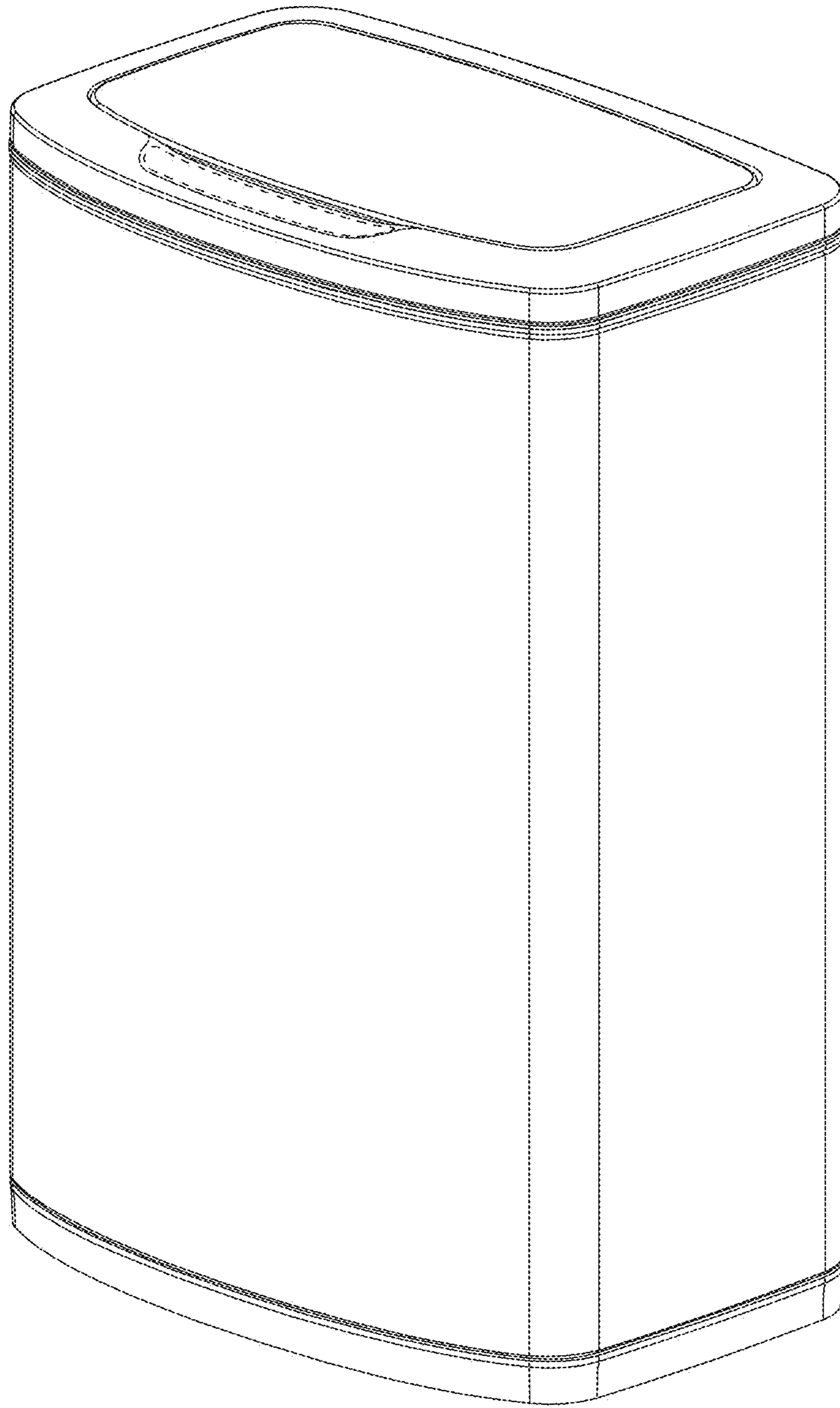


FIG. 1

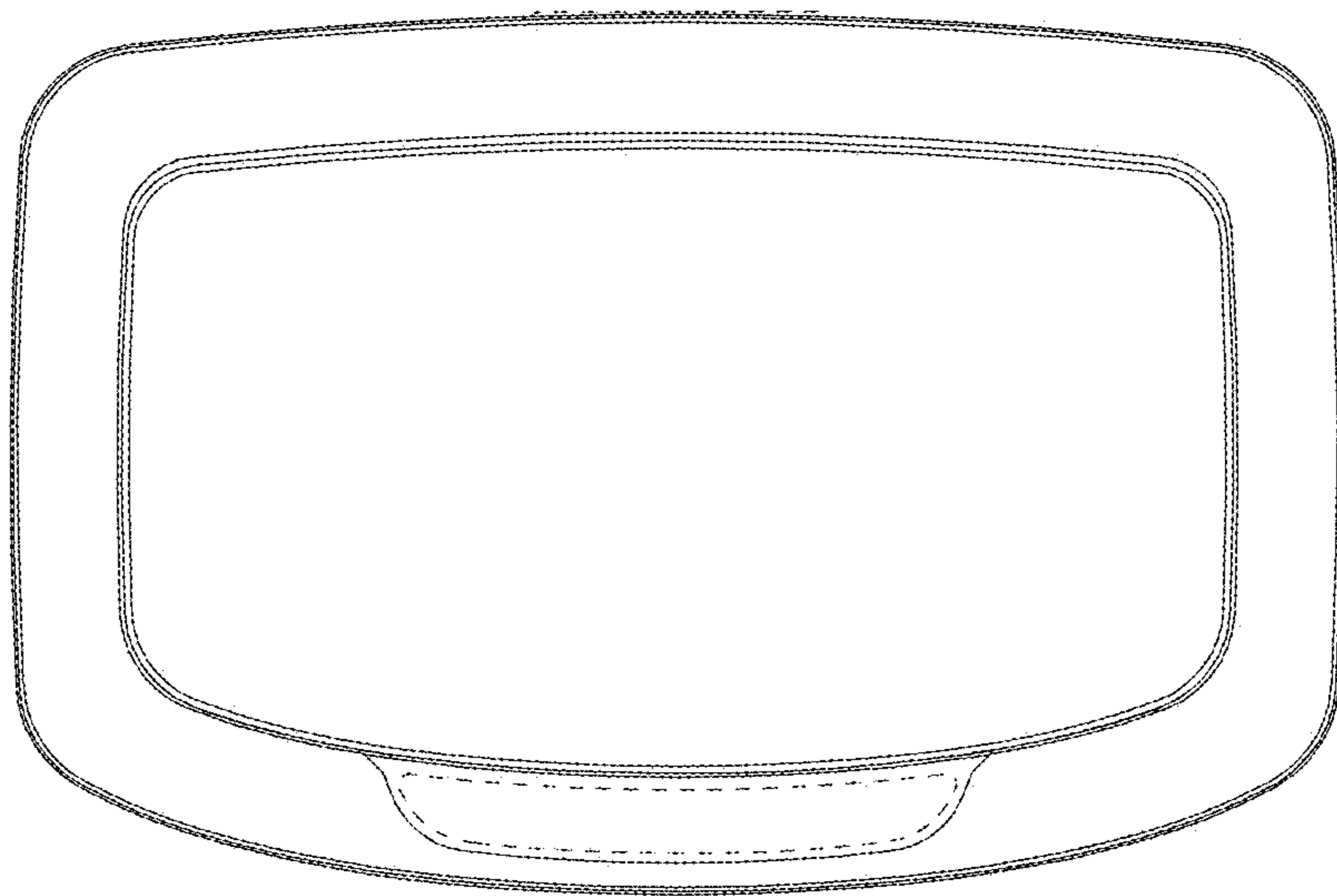


FIG. 2

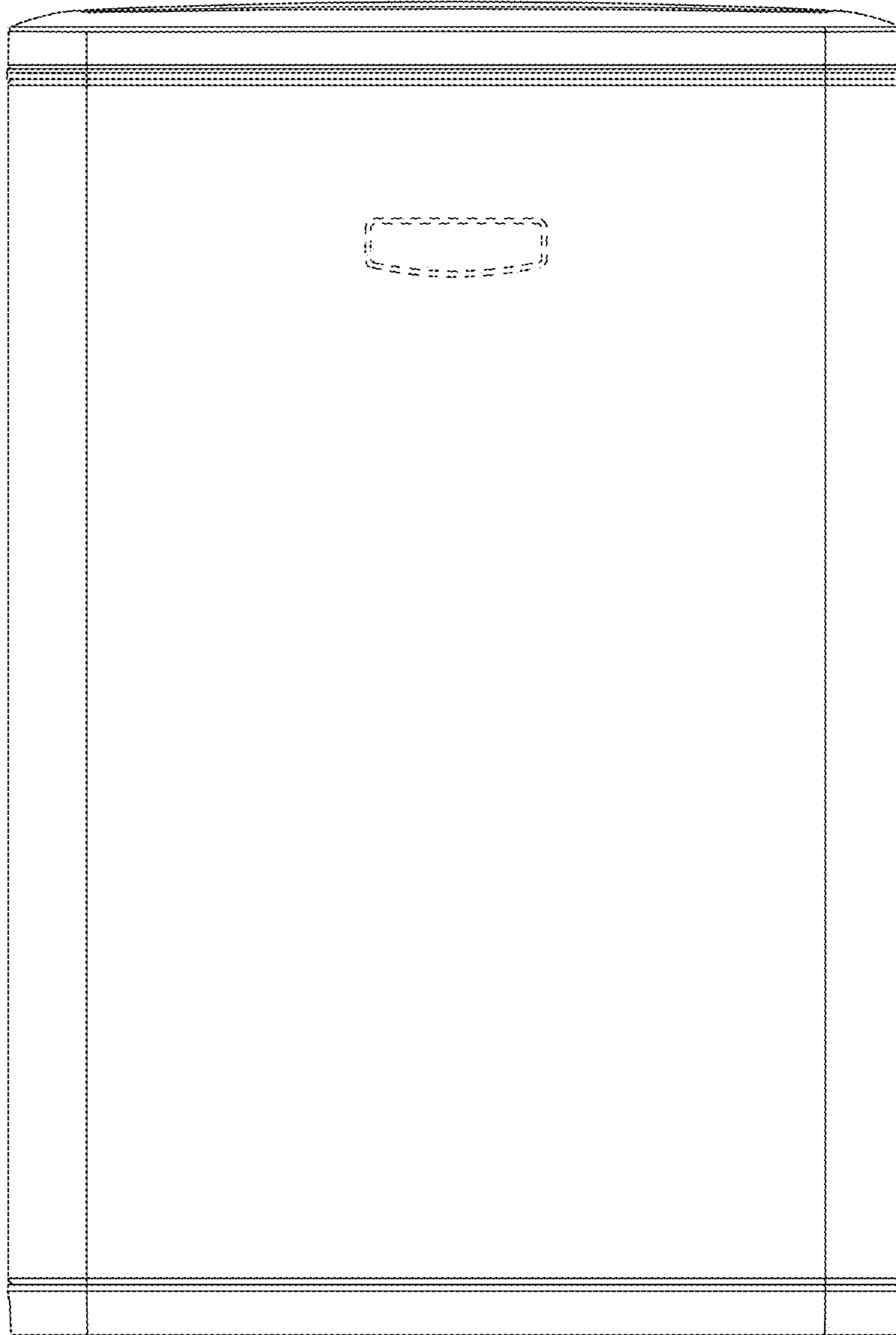


FIG. 3

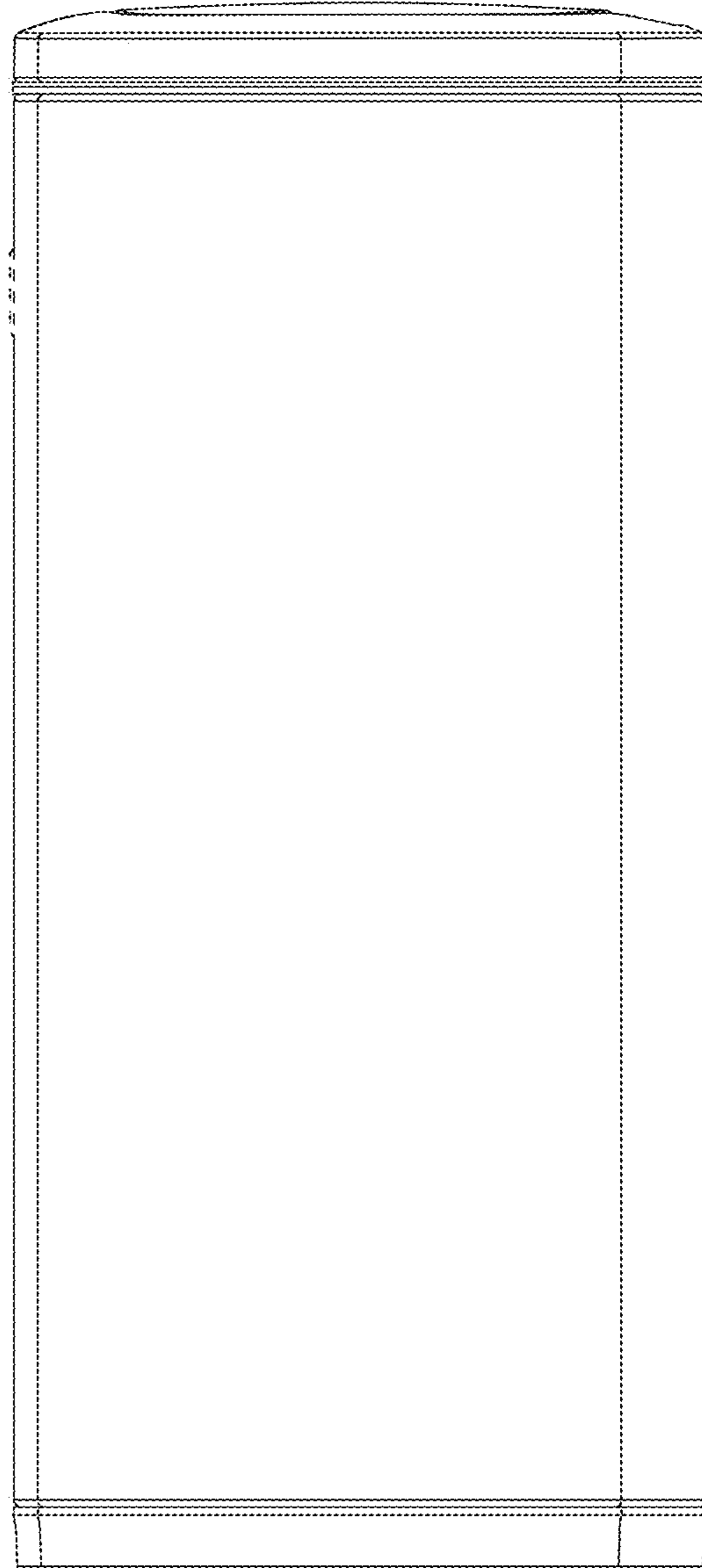


FIG. 4

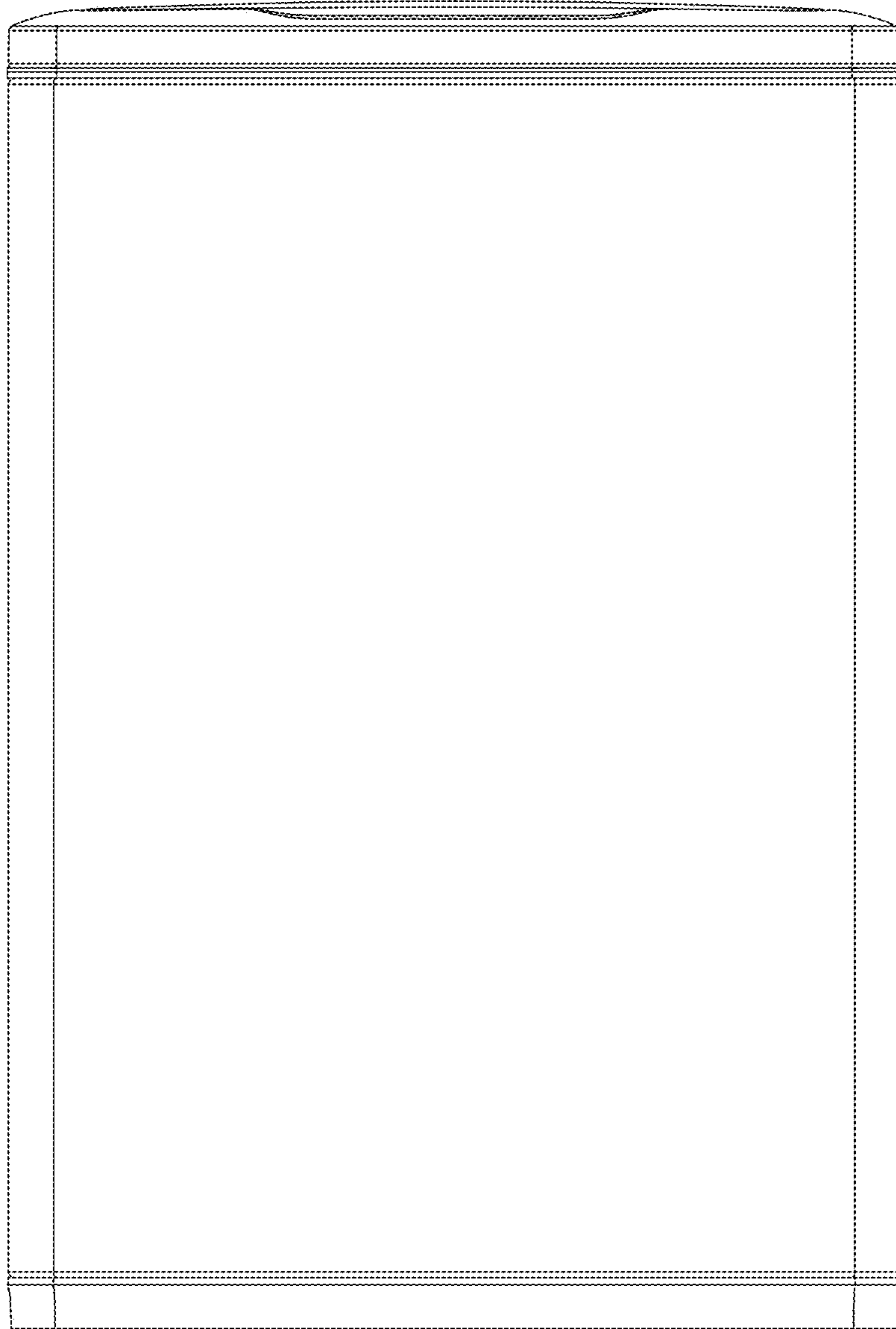


FIG. 5

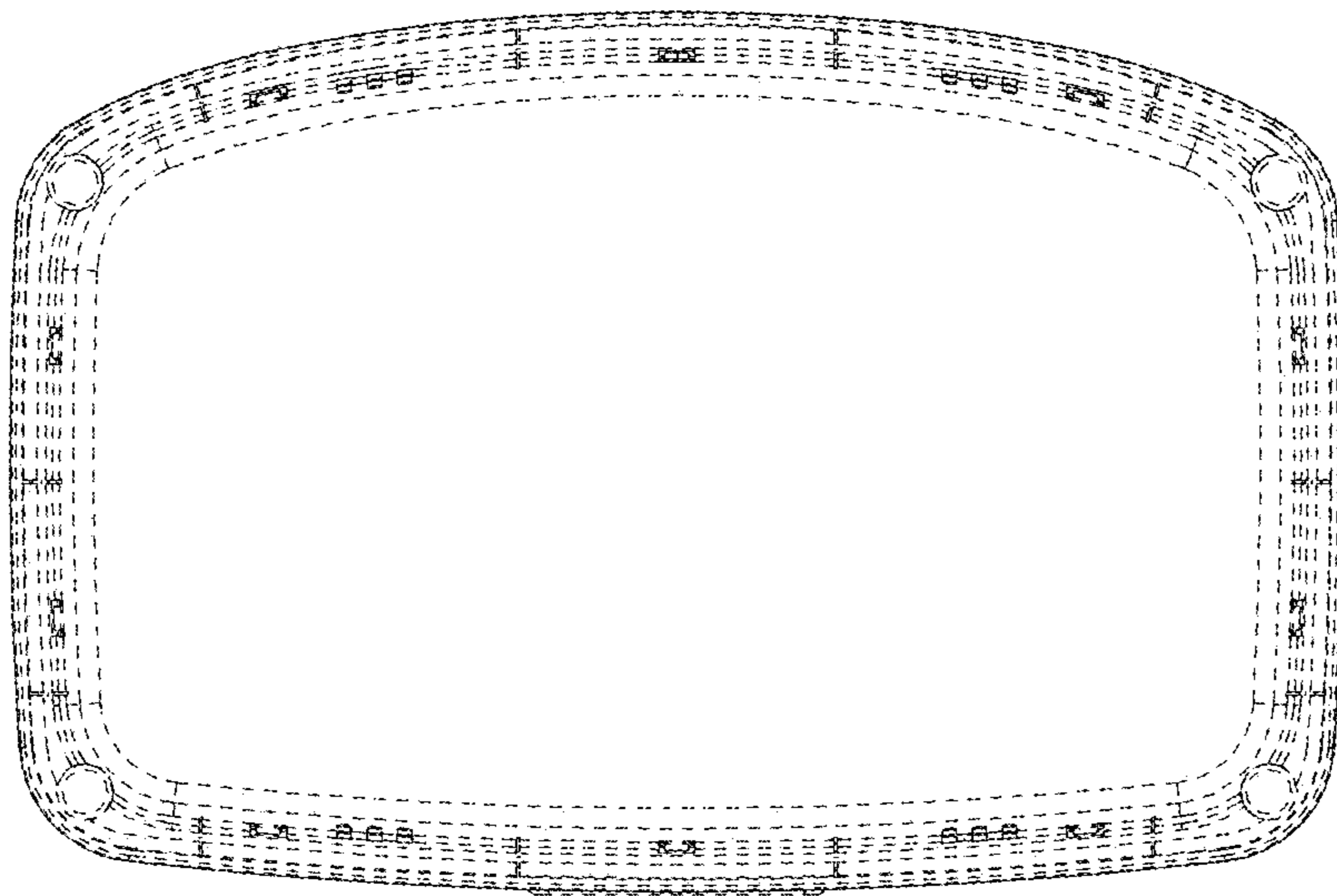


FIG. 6

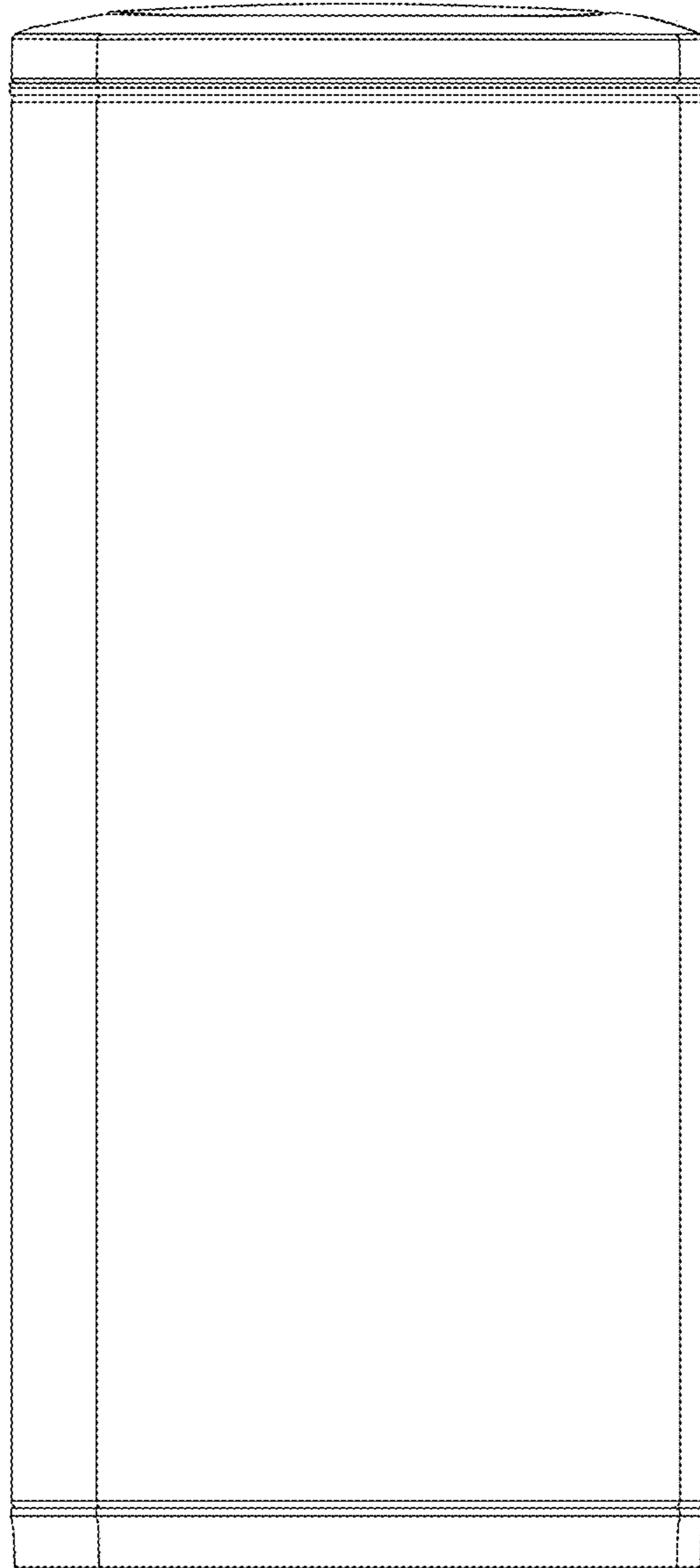


FIG. 7