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(12) **United States Design Patent** (10) **Patent No.:** **US D952,115 S**
Kim et al. (45) **Date of Patent:** **** May 17, 2022**

(54) **AIR PURIFIER**(71) Applicant: **SAMSUNG ELECTRONICS CO., LTD.**, Suwon-si (KR)(72) Inventors: **Tae-Han Kim**, Suwon-si (KR); **Kang-Doo Kim**, Suwon-si (KR); **Seung-Mok Lee**, Suwon-si (KR); **Min-Kyung Choi**, Suwon-si (KR)(73) Assignee: **SAMSUNG ELECTRONICS CO., LTD.**, Gyeonggi-Do (KR)(**) Term: **15 Years**(21) Appl. No.: **29/737,896**(22) Filed: **Jun. 12, 2020**(30) **Foreign Application Priority Data**

Dec. 13, 2019 (KR) 30-2019-0060613

(51) LOC (13) Cl. **23-04**(52) U.S. Cl. USPC **D23/364**(58) **Field of Classification Search**USPC D23/356, 359, 364–365, 378, 499
CPC F24F 1/029; F24F 1/035; F24F 1/0287;
F24F 6/06; F24F 6/14; F24F 13/06; B05B

17/06

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D729,365 S *	5/2015	Yuan	D23/359
D791,297 S *	7/2017	Ljungstrom	D23/364
D840,012 S *	2/2019	Zhou	D23/359
D844,766 S *	4/2019	Miao	D23/364
D877,873 S *	3/2020	Pan	D23/364
D895,093 S *	9/2020	Nakamura	D23/364
D921,864 S *	6/2021	Luo	D23/356
D936,200 S *	11/2021	Yang	D23/364
2018/0299142 A1*	10/2018	Myeong	F24F 1/0358

FOREIGN PATENT DOCUMENTS

CN	303379074	*	9/2015
CN	303827684 S		8/2016
CN	304409180 S		12/2017
CN	304894727	*	11/2018
CN	306205472	*	12/2020
JP	D1410831 S		4/2011
JP	D1605046 S		5/2018
KR	300994830 S		2/2019

OTHER PUBLICATIONS

HEPA H13 Air Purifier, first available Oct. 27, 2021[online], [site visited Jan. 11, 2022]. Available from internet, URL:<<https://www.amazon.com/Purifier-Allergies-Pollen-Cleaner-Filtration/dp/B09KH3TPM2>> (Year: 2021).*

* cited by examiner

Primary Examiner — Barbara Fox

Assistant Examiner — Jamaal Rasheed

(74) Attorney, Agent, or Firm — Cantor Colburn LLP

(57)

CLAIM

The ornamental design for an air purifier, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an air purifier, showing my new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a left-side view thereof;

FIG. 5 is a right-side view thereof;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

The even-dash broken lines illustrating portions of the air purifier form no part of the claimed design.

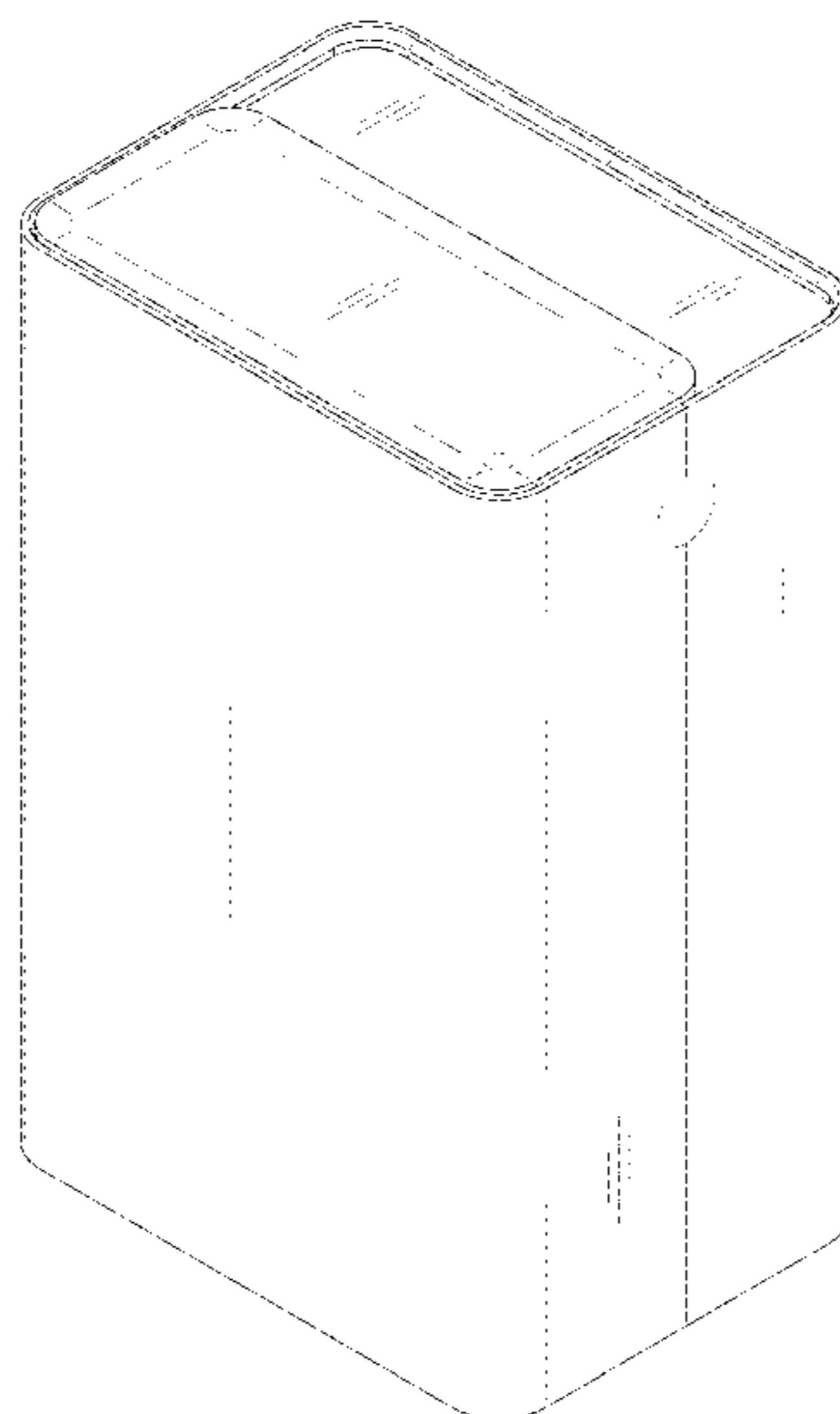
1 Claim, 7 Drawing Sheets

FIG. 1

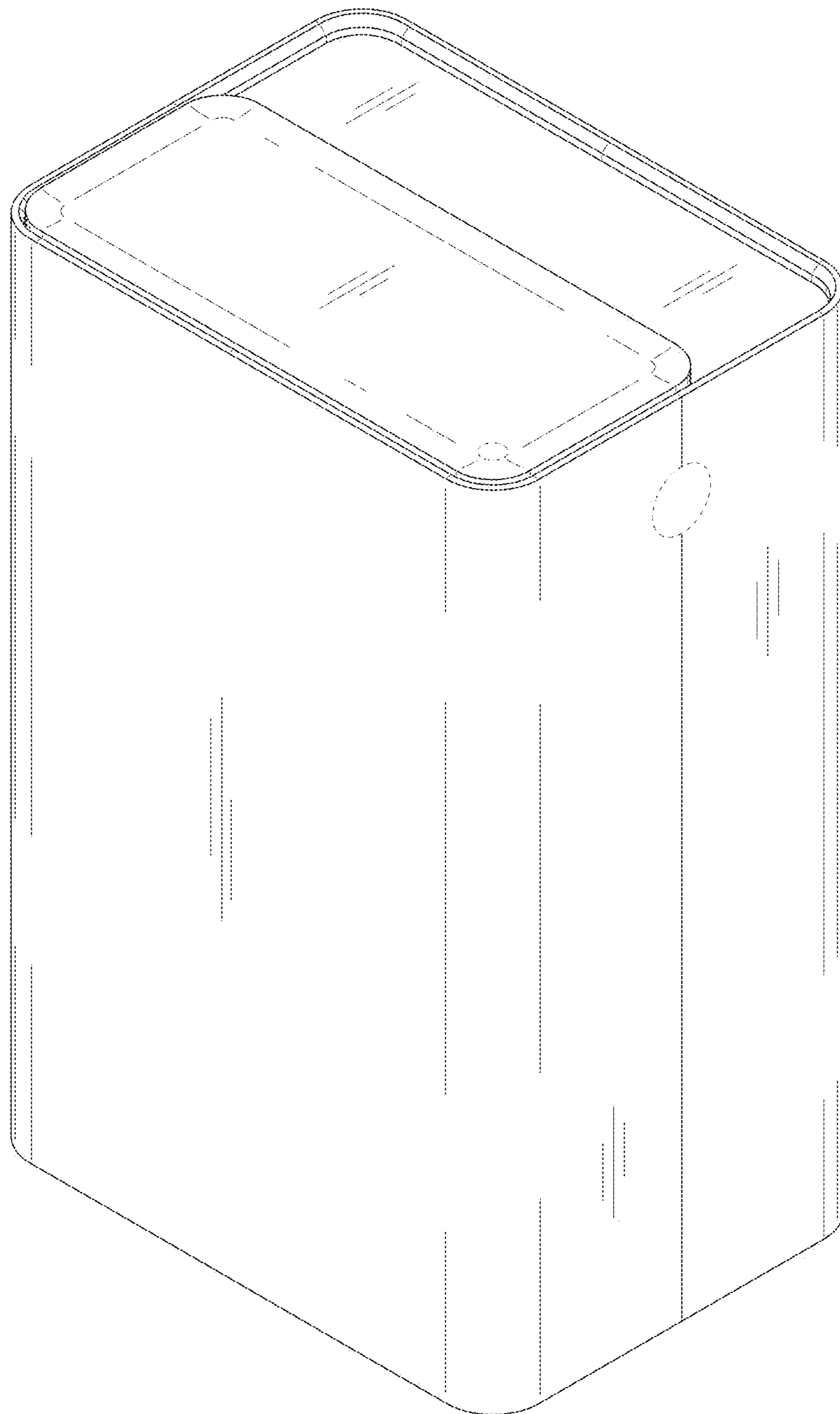


FIG. 2

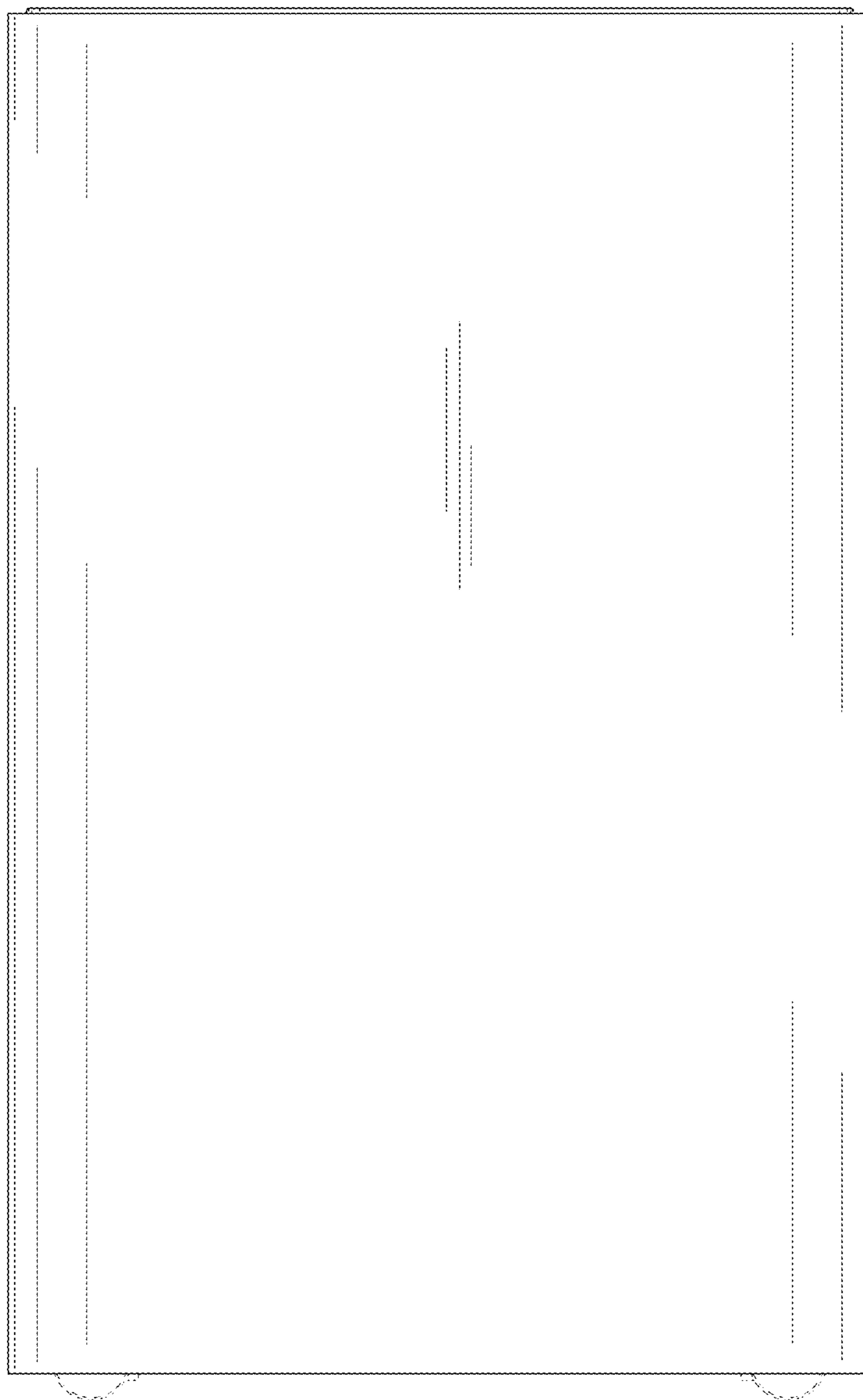


FIG. 3

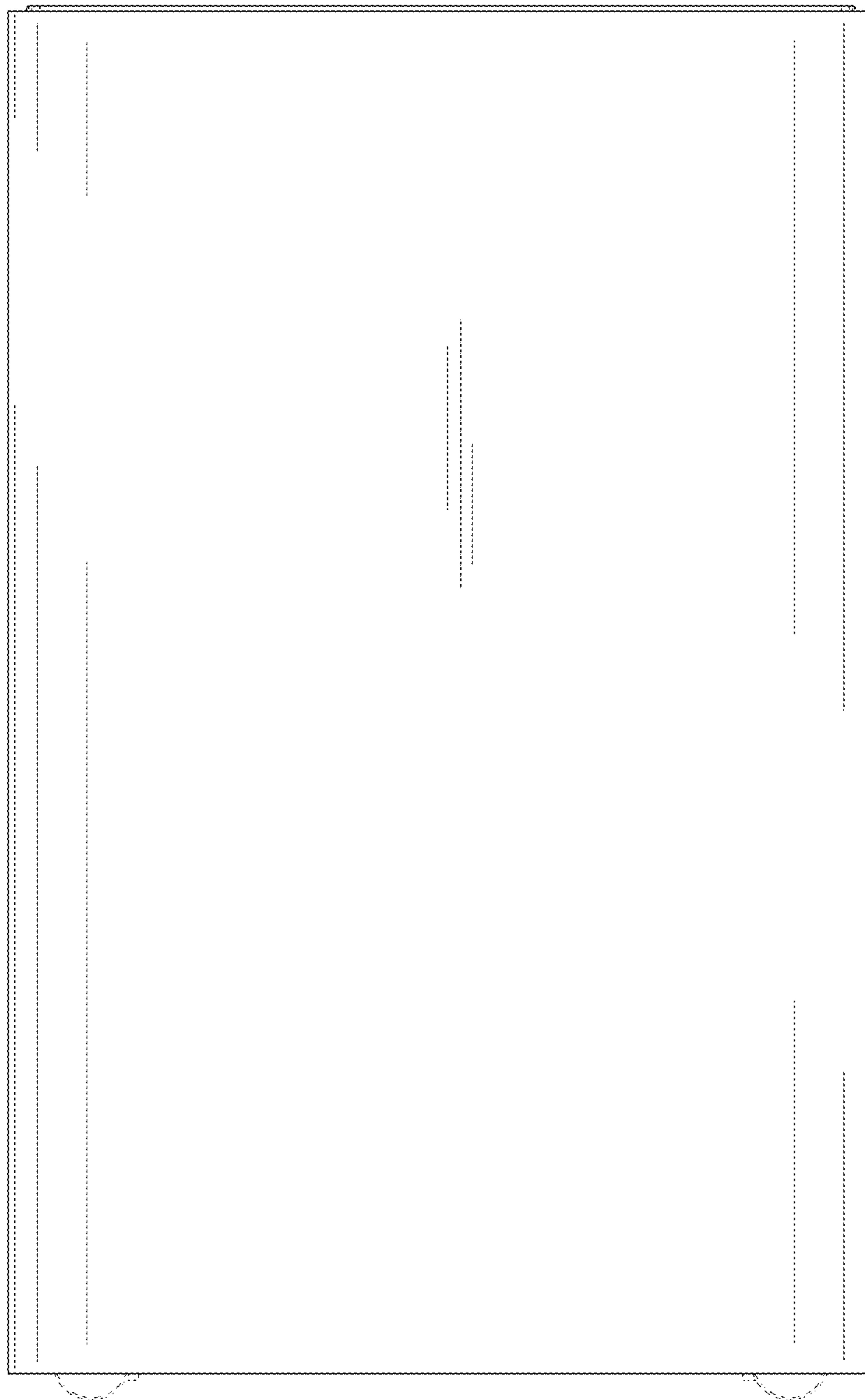


FIG. 4

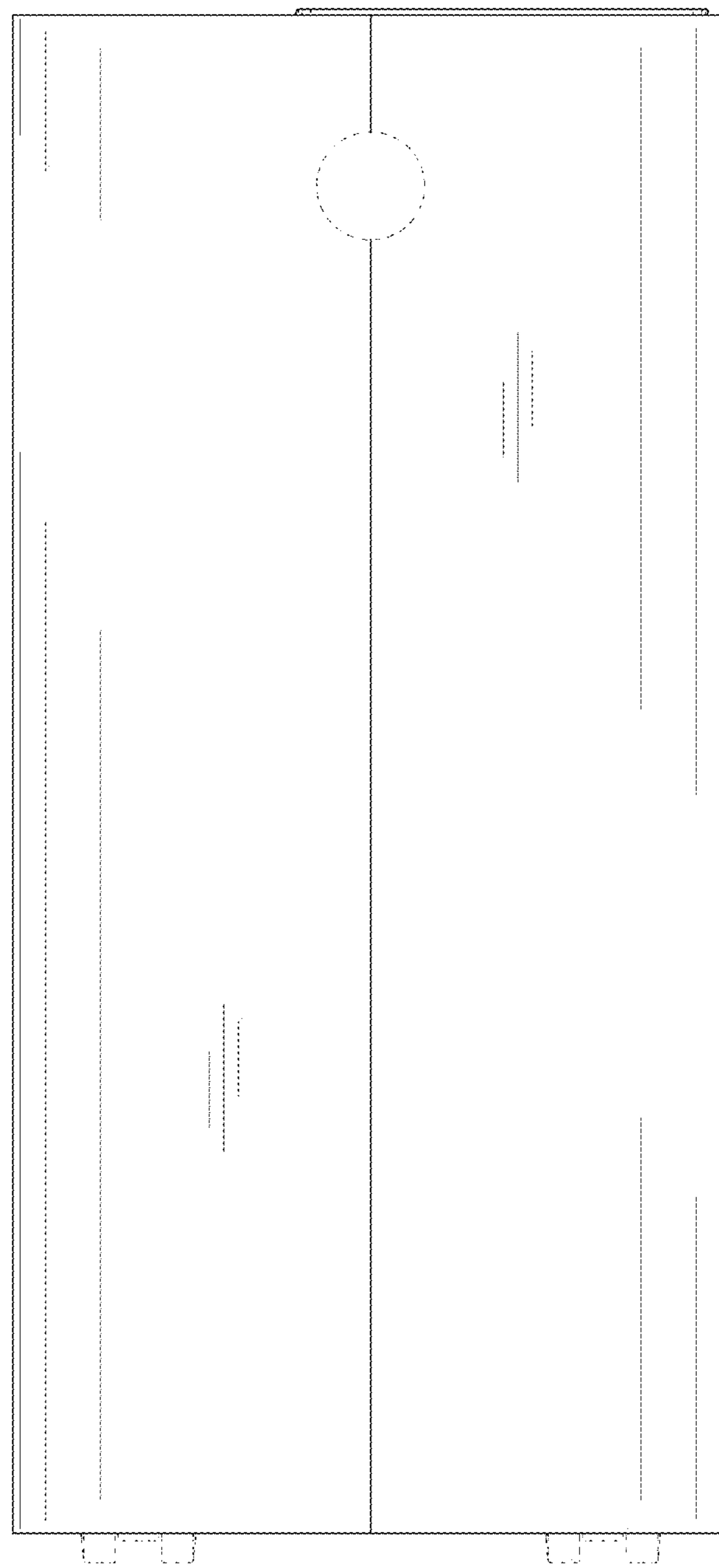


FIG. 5

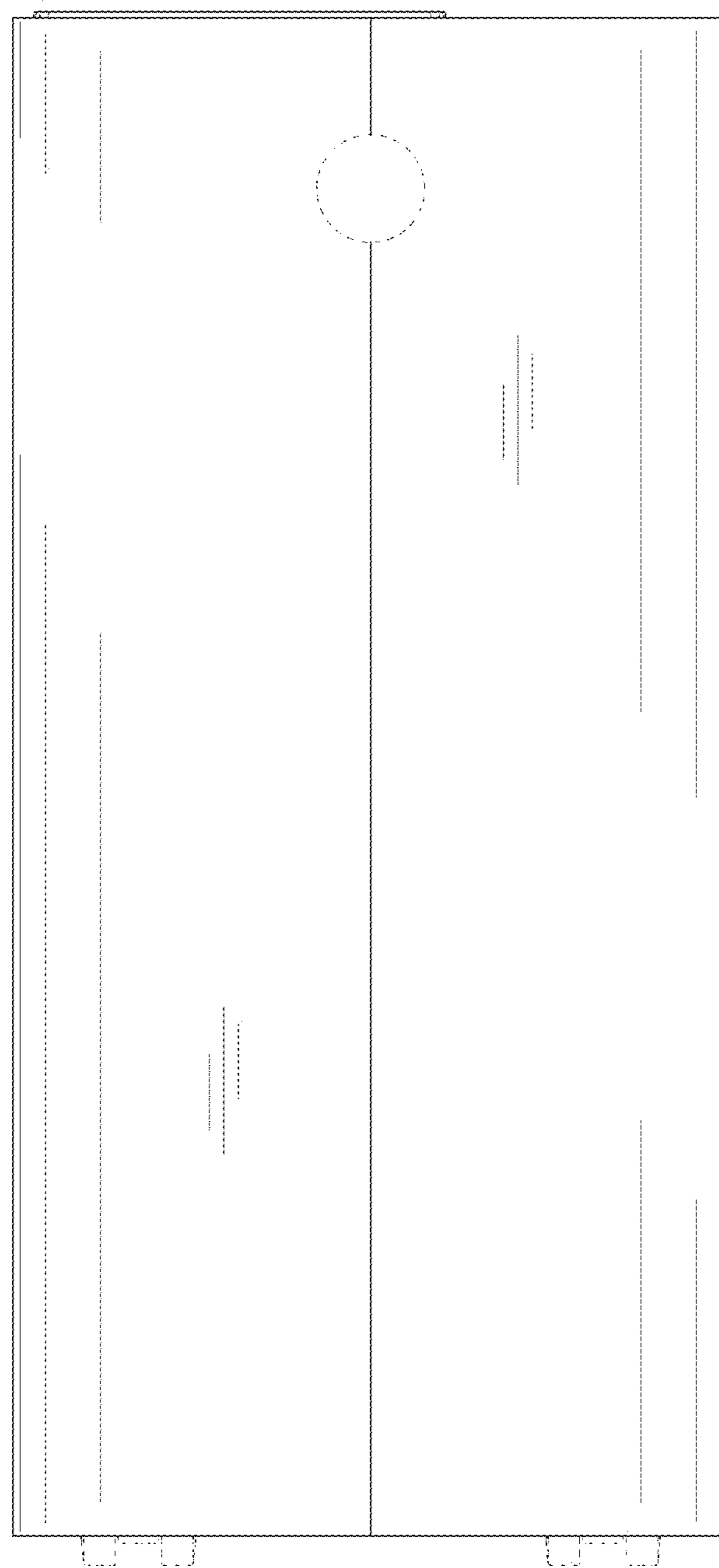


FIG. 6

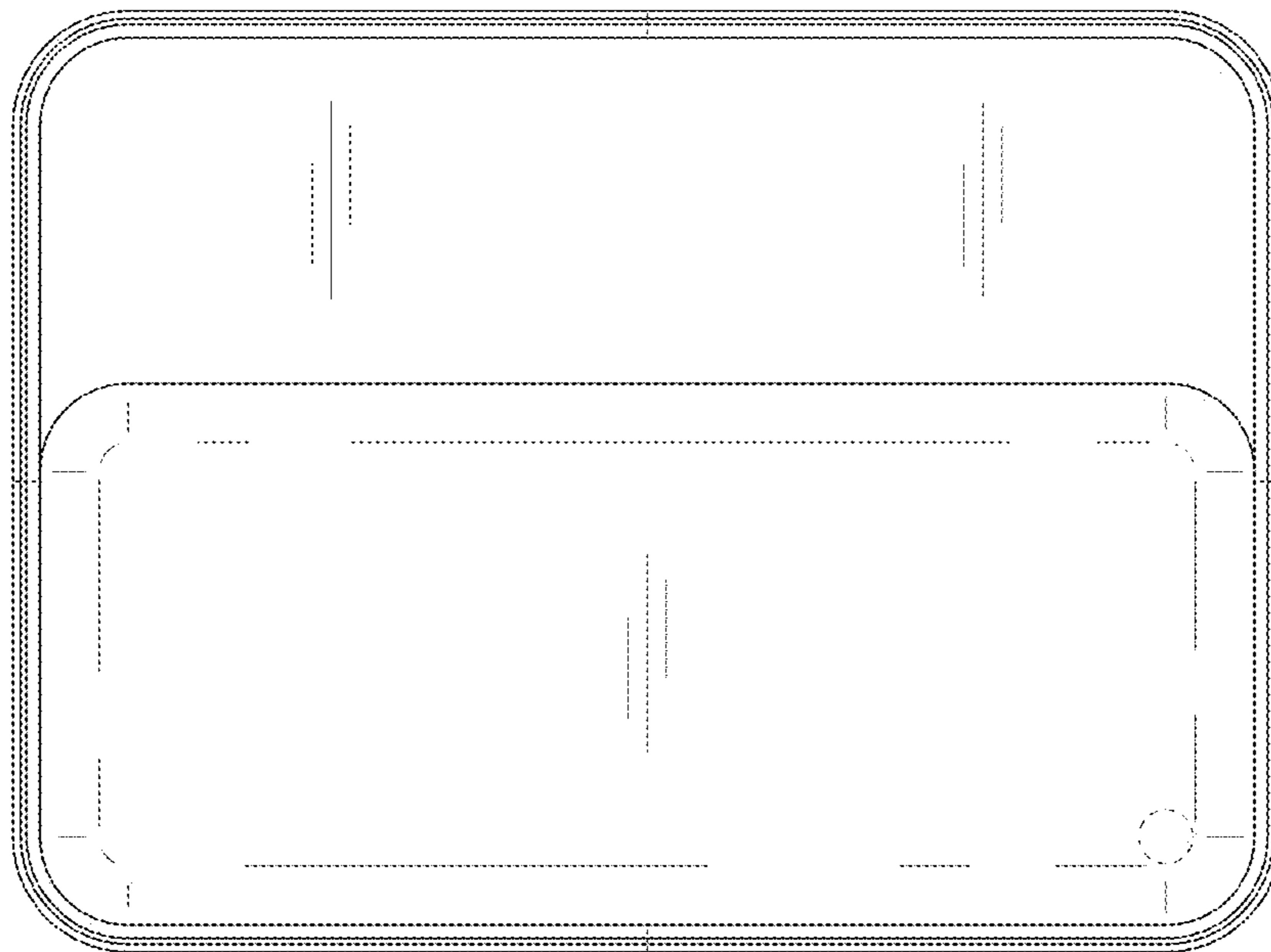


FIG. 7

