



US00D902830S

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

(10) **Patent No.:** **US D902,830 S**

(45) **Date of Patent:** **** Nov. 24, 2020**

(54) **PIVOT BIN**

(71) Applicant: **C&D ZODIAC, INC.**, Huntington Beach, CA (US)

(72) Inventors: **Scott Savian**, Huntington Beach, CA (US); **Ian Geoffrey Scoley**, Huntington Beach, CA (US); **Chris Schutterra**, Huntington Beach, CA (US)

(73) Assignee: **C&D ZODIAC, INC.**, Huntington Beach, CA (US)

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

(21) Appl. No.: **29/623,786**

(22) Filed: **Oct. 26, 2017**

(51) **LOC (12) Cl.** **12-07**

(52) **U.S. Cl.**
USPC **D12/345**

(58) **Field of Classification Search**
USPC D12/345, 400, 423, 426, 203, 221, 223, D12/98, 99, 406, 424, 414.1, 319, D12/415-419, 96, 195, 191, 106; 220/1.5, 4.28, 4.33, 4.34; D3/273, 295, D3/319; 244/117 R, 118.1, 118.5, 118.6, 244/119, 137.1, 311, 539, 281, 275; 296/37.1-37.8, 70, 24.1, 24.2, 24.3, 296/137.1, 97.1, 97.2, 97.4, 97.5, 97.6, 296/97.7, 97.8, 180, 1; 312/266, 325, 312/246; 446/7; 160/370.21, 370.23, 160/370.22; 248/278.1, 274.1, 284.1; D9/423
CPC B64D 9/00; B64D 11/003; Y02T 50/46; B60R 5/003
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D256,229 S * 8/1980 Nichols D12/418
5,988,565 A * 11/1999 Thomas B64D 11/003
244/118.1

D457,480 S * 5/2002 Natsume D12/345
6,802,478 B2 * 10/2004 Katori B64D 11/003
244/118.1
D533,129 S * 12/2006 Guard D12/345
7,234,666 B2 * 6/2007 Novak B64D 11/003
244/118.5
D589,871 S * 4/2009 Bock D12/345
D597,473 S * 8/2009 Schuephaus D12/345
D610,521 S * 2/2010 Pirie D12/345

(Continued)

OTHER PUBLICATIONS

ECOS luggage compartment, Safran-Cabin.com, Date: Apr. 29, 2016, [online], [site visited Apr. 22, 2020]. <URL: https://www.safran-cabin.com/image/1144> (Year: 2016).*

(Continued)

Primary Examiner — T Chase Nelson
Assistant Examiner — Jonathan J. Han
(74) *Attorney, Agent, or Firm* — Jeffer Mangels Butler & Mitchell LLP; Brennan C. Swain, Esq.

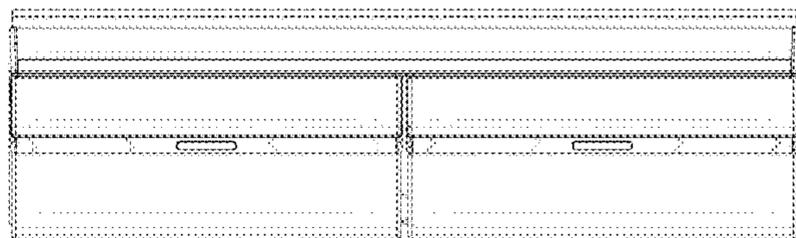
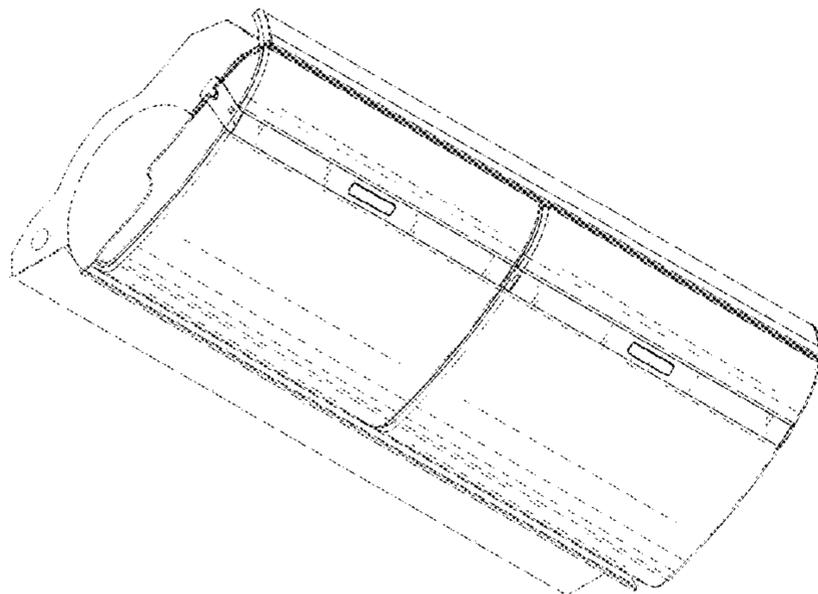
(57) **CLAIM**

The ornamental design for a pivot bin, as shown and described.

DESCRIPTION

FIG. 1 is a bottom perspective view of a pivot bin showing our present invention;
FIG. 2 is a front elevational view of the present invention shown in FIG. 1;
FIG. 3 is a rear elevational view of the present invention shown in FIG. 1;
FIG. 4 is a left side elevational view of the present invention shown in FIG. 1, the right side elevational view being a mirror image thereof; and,
FIG. 5 is a bottom plan view of the present invention shown in FIG. 1.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,832,685 B2 * 11/2010 Haynes B64D 11/003
 244/118.1
 D680,944 S * 4/2013 Aruga D12/418
 D714,210 S * 9/2014 Burrows D12/345
 9,090,351 B1 * 7/2015 Frazier B64D 11/003
 D746,759 S * 1/2016 Kammerer D12/345
 D784,905 S * 4/2017 Savian D12/345
 D791,679 S * 7/2017 Kammerer D12/345
 9,856,022 B2 * 1/2018 Schmitz B64D 11/003
 9,869,574 B2 * 1/2018 Nicks G01B 21/20
 10,106,258 B2 * 10/2018 Kammerer B64D 11/003
 D873,204 S * 1/2020 Von Holzhausen D12/415
 10,562,632 B2 * 2/2020 Savian B64D 11/003
 2006/0151668 A1 * 7/2006 Scown B64D 11/003
 244/118.1
 2007/0084966 A1 * 4/2007 Haynes B64D 11/003
 244/118.1
 2008/0251640 A1 * 10/2008 Johnson B64D 11/003
 244/118.1
 2011/0062284 A1 * 3/2011 Schmitz B64D 11/003
 244/118.5
 2011/0253837 A1 * 10/2011 Lee B64D 11/003
 244/118.5

2013/0257246 A1 * 10/2013 Graf B64D 11/003
 312/319.2
 2018/0050801 A1 * 2/2018 Savian E04B 2/60
 2019/0017308 A1 * 1/2019 Chadwell B64D 11/003
 2019/0325538 A1 * 10/2019 Savian G06Q 20/10

OTHER PUBLICATIONS

Airbus vs Boeing Space bin—who wins?, EconomyClass AndBeyond.
 BoardingArea.com, Jul. 4, 2016 by Kevincm, [online], [site visited
 Apr. 22, 2020]. <URL: <https://economyclassandbeyond.boardingarea.com/2016/04/07/airbus-vs-boeing-space-bin-who-wins/>> (Year: 2016).*

United Airlines will begin charging to use overhead bins in 2017,
 DenverPost.com, Published: Dec. 6, 2016 at 3:18 p.m., By Samantha
 Schmidt, The Washington Post, [online], [site visited Apr. 22,
 2020]. <URL: <https://www.denverpost.com/2016/12/06/united-airlines-charging-to-use-overhead-bins/>> (Year: 2016).*

Review: Qatar Airways A350-900 Business Class (Non0Qsuite
 Overnight Flight), TravelingFormalities.com, By Ziggy Feb. 4,
 2019, [online], [site visited Apr. 22, 2020]. <URL: <https://travelingformiles.com/review-qatar-airways-a350-900-business-class-non-qsuite-overnight-flight/>> (Year: 2019).*

* cited by examiner

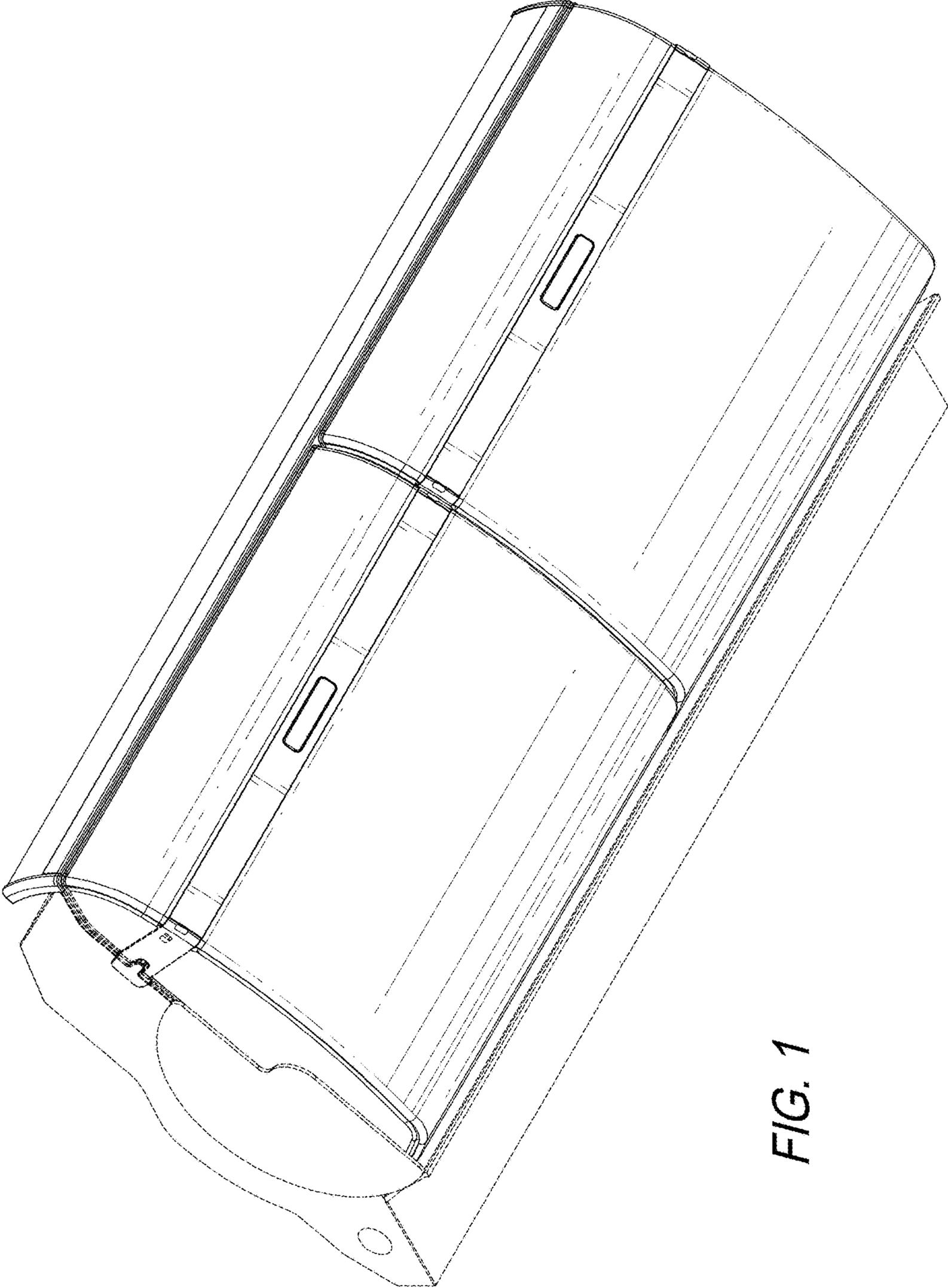


FIG. 1

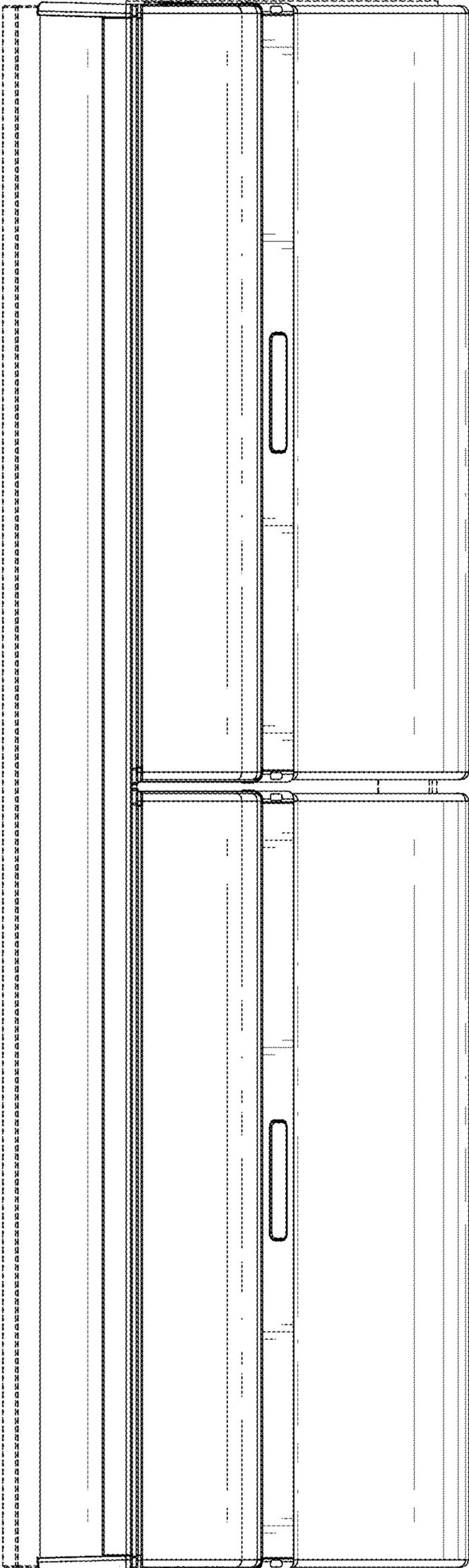


FIG. 2

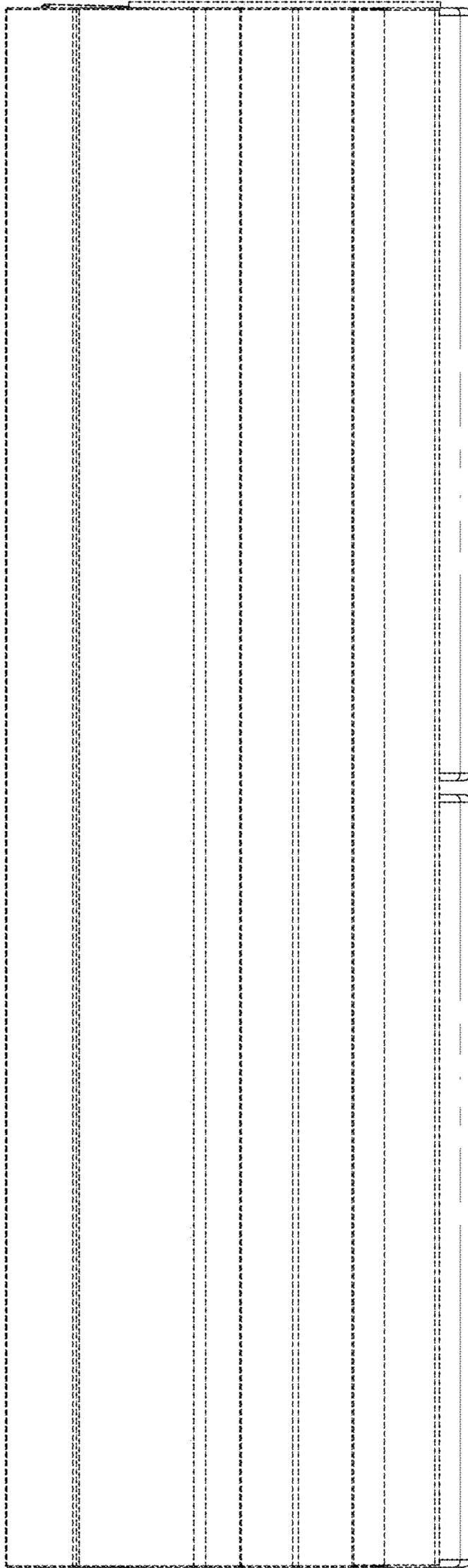


FIG. 3

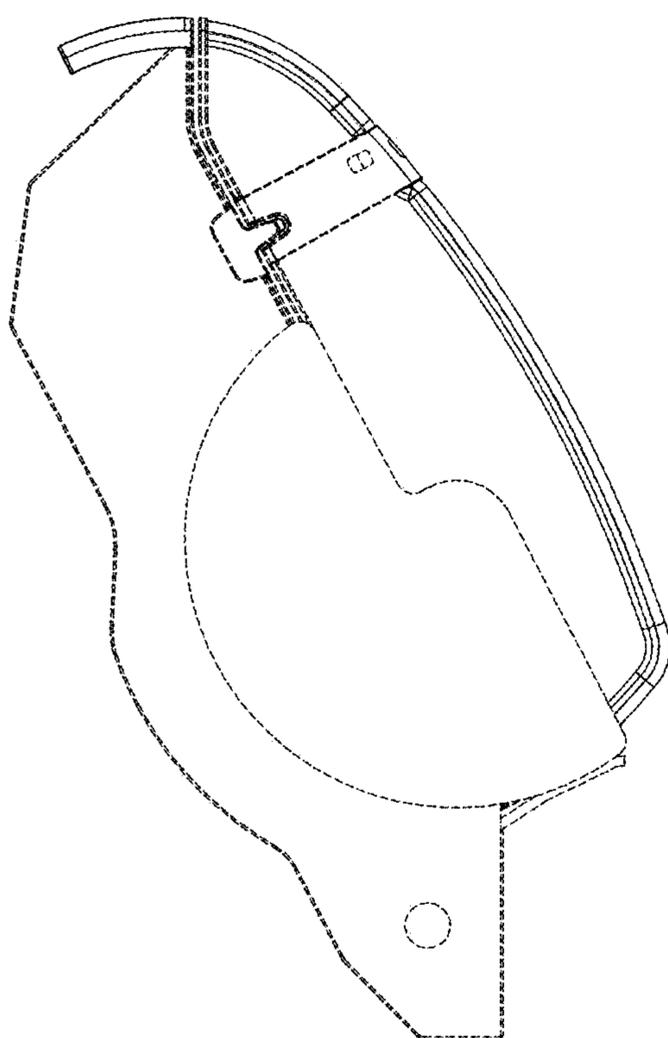


FIG. 4

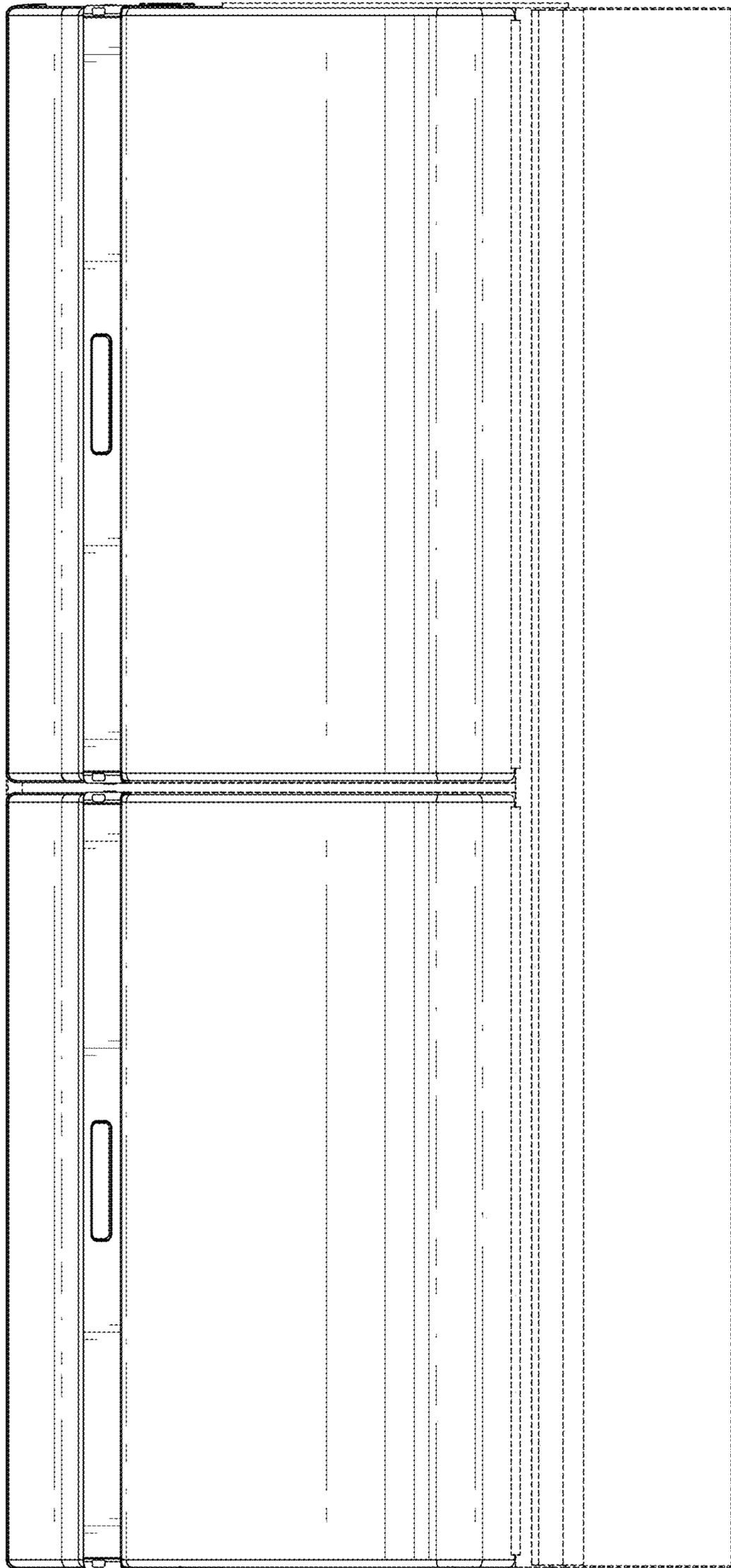


FIG. 5