



US00D908612S

(12) **United States Design Patent** (10) **Patent No.:** **US D908,612 S**
Sexton et al. (45) **Date of Patent:** **** Jan. 26, 2021**

(54) **CHARGER AND BATTERY**

OTHER PUBLICATIONS

(71) Applicant: **Techtronic Cordless GP**, Anderson, SC (US)

Hoover Battery Pack, Applicant sold in the U.S. a battery similar to the one illustrated in Appendix A on Mar. 18, 2014.

(72) Inventors: **Joseph Sexton**, Charlotte, NC (US);
Shuang Lin, Charlotte, NC (US);
Somnanritha Chan, Charlotte, NC (US); **Benjamin Shrader**, Newton, NC (US); **Bradley Hooley**, Charlotte, NC (US)

Primary Examiner — Rosemary K Tarcza

(74) *Attorney, Agent, or Firm* — Michael Best & Friedrich LLP

(73) Assignee: **Techtronic Cordless GP**, Anderson, SC (US)

(57) **CLAIM**

We claim the ornamental design for a charger and battery, as shown.

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

DESCRIPTION

(21) Appl. No.: **29/707,712**

FIG. 1 is a perspective view of a charger and battery according to a first embodiment.

(22) Filed: **Sep. 30, 2019**

FIG. 2 is a top plan view of the charger and battery of FIG. 1.

(51) **LOC (13) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/107; D13/103**

FIG. 3 is a bottom plan view of the charger and battery of FIG. 1.

(58) **Field of Classification Search**

USPC D13/102–106, 110, 118–119, 184, 199;
D14/251, 253, 432, 434

FIG. 4 is a side view of the charger and battery of FIG. 1.
FIG. 5 is an opposite side view of the charger and battery of FIG. 1.

CPC Y02E 60/10; H01M 2/02; H01M 2/022;
H01M 2/0202; H01M 2/0207; H01M 2/0212; H01M 2/1016; H01M 2/105;
H01M 2/1061; H01M 2/06; H02J 7/0021;
H02J 7/0025; H02J 7/005; H02J 7/0026;
H02J 7/0027; H02J 7/0044; H02J 7/0045;
H02J 7/0013; H02J 7/0003; H02J 7/0042
See application file for complete search history.

FIG. 6 is a front view of the charger and battery of FIG. 1.
FIG. 7 is a rear view of the charger and battery of FIG. 1.
FIG. 8 is a perspective view of a charger and battery according to a second embodiment.

FIG. 9 is a top plan view of the charger and battery of FIG. 8.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D421,598 S * 3/2000 Berusha D13/184
D506,065 S * 6/2005 Sugino D13/103

FIG. 10 is a bottom plan view of the charger and battery of FIG. 8.

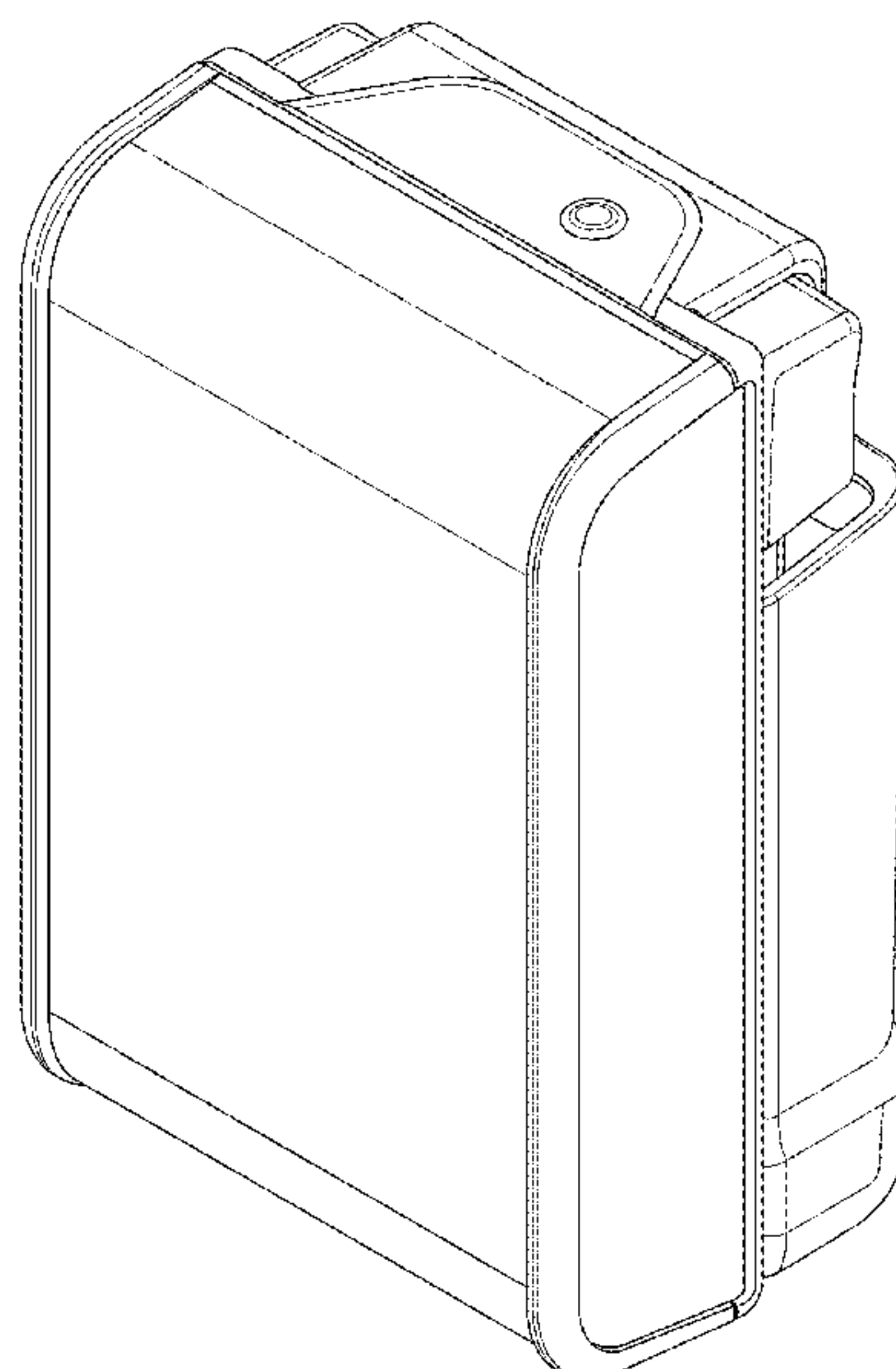
FIG. 11 is a side view of the charger and battery of FIG. 8.
FIG. 12 is an opposite side view of the charger and battery of FIG. 8.

FIG. 13 is a front view of the charger and battery of FIG. 8;
and,

FIG. 14 is a rear view of the charger and battery of FIG. 8.

(Continued)

1 Claim, 14 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D529,438 S 10/2006 Viduya et al.
D555,086 S * 11/2007 Zhang D13/103
D557,203 S 12/2007 Grunow et al.
D576,545 S 9/2008 Mandel et al.
D580,351 S 11/2008 Elsmark et al.
D580,852 S 11/2008 Heinzen et al.
D589,439 S 3/2009 Van Wambeke
D591,231 S 4/2009 Wung et al.
D594,403 S * 6/2009 Yang D13/103
D597,932 S 8/2009 Aglassinger
D597,933 S 8/2009 Aglassinger
D597,934 S 8/2009 Aglassinger
D598,373 S 8/2009 Aglassinger
D604,235 S * 11/2009 Tarter D13/103
D604,254 S * 11/2009 Lanfear D13/162
D606,935 S * 12/2009 Murayama D13/103
D607,814 S * 1/2010 Tsuzuki D13/103
D610,082 S * 2/2010 Sweeney D13/103
D610,537 S 2/2010 Sweeney
D633,036 S * 2/2011 Murray D13/103
D639,730 S * 6/2011 Kawase D13/103
D640,190 S 6/2011 Aglassinger
D640,628 S 6/2011 Lopano et al.
D642,119 S 7/2011 Baetica et al.
D643,809 S * 8/2011 Okuda D13/103
D657,307 S * 4/2012 Zhao D13/103
D658,578 S * 5/2012 Davis D13/103
D679,651 S 4/2013 Stratford
D680,064 S 4/2013 Tirone et al.
D681,550 S 5/2013 Corbin
D682,192 S * 5/2013 Corbin D13/103
D682,193 S * 5/2013 Corbin D13/103

D682,194 S * 5/2013 Jiang D13/103
D684,528 S * 6/2013 Murray D13/103
D685,730 S * 7/2013 Hamm D13/103
D686,569 S * 7/2013 Lau D13/103
D699,670 S * 2/2014 Cooper D13/103
D712,826 S * 9/2014 Marino D13/103
D718,705 S * 12/2014 Naksen D13/103
D765,592 S 9/2016 Friend
D776,610 S * 1/2017 Nommensen D13/103
D780,687 S * 3/2017 Taniguchi D13/103
D780,688 S * 3/2017 Elder D13/103
D785,562 S * 5/2017 Cooper D13/103
D797,661 S * 9/2017 Elder D13/103
D800,650 S * 10/2017 Itoh D13/103
D801,919 S * 11/2017 Elder D13/103
D812,555 S * 3/2018 Schoch D13/103
D818,948 S * 5/2018 Waldron D13/103
D826,149 S * 8/2018 Cooper D13/103
D826,150 S * 8/2018 Cayon D13/103
D844,558 S * 4/2019 Taniguchi D13/103
D871,321 S * 12/2019 Chung D13/103
D873,766 S * 1/2020 Ansehn D13/103
D876,340 S * 2/2020 Song D13/103
D881,119 S * 4/2020 Elder D13/103
D882,539 S * 4/2020 Choubey D13/184
D883,918 S * 5/2020 Roberts D13/103
D884,600 S * 5/2020 Zhou D13/103
D890,692 S * 7/2020 Elder D13/103
D891,363 S * 7/2020 Roberts D13/103
D891,376 S * 7/2020 Price D13/162
D893,409 S * 8/2020 Stray D13/103
D893,411 S * 8/2020 Roberts D13/103
D895,562 S * 9/2020 Choubey D13/184
2016/0072106 A1 3/2016 Baumgartner et al.

* cited by examiner

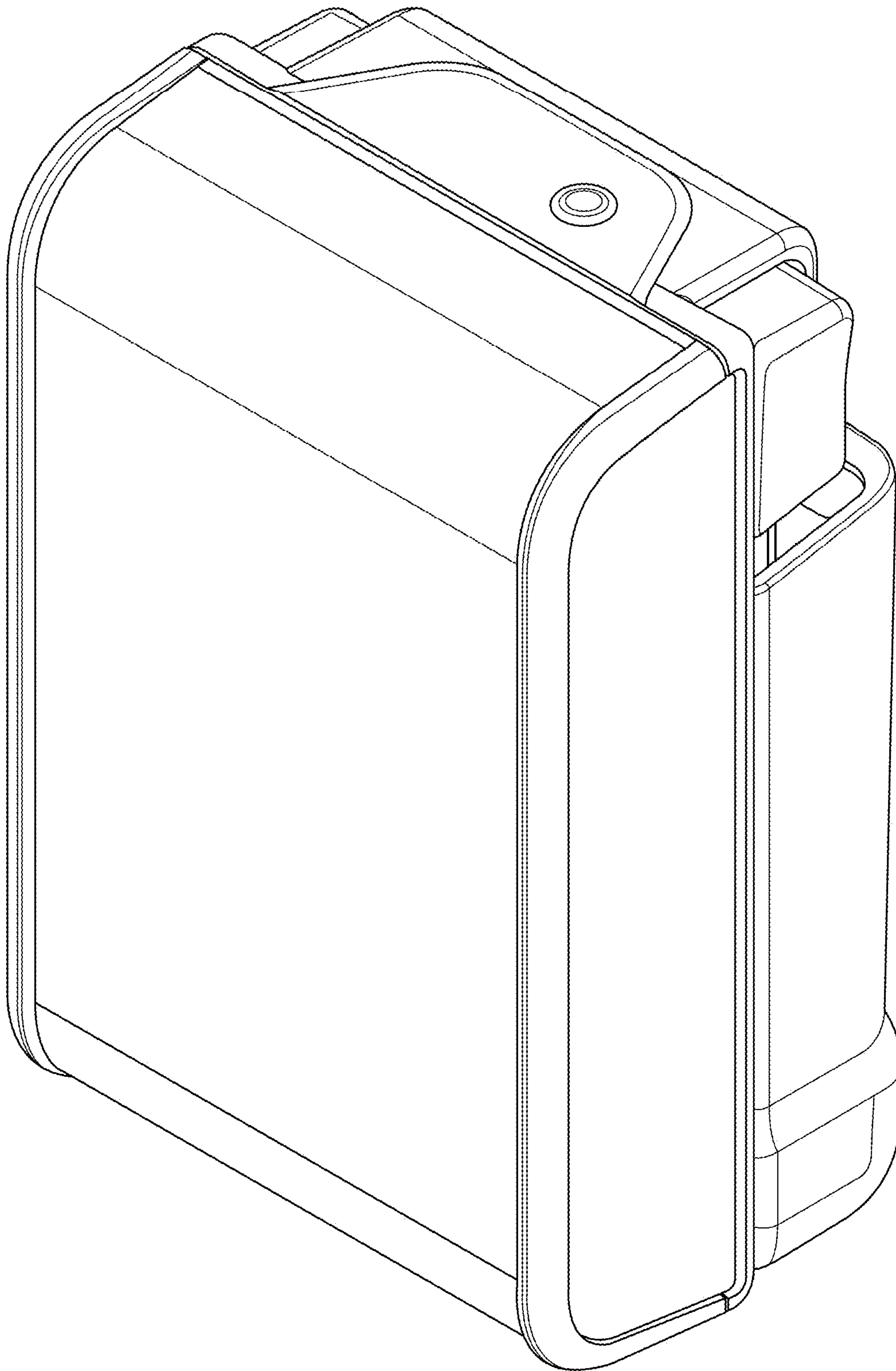


FIG. 1

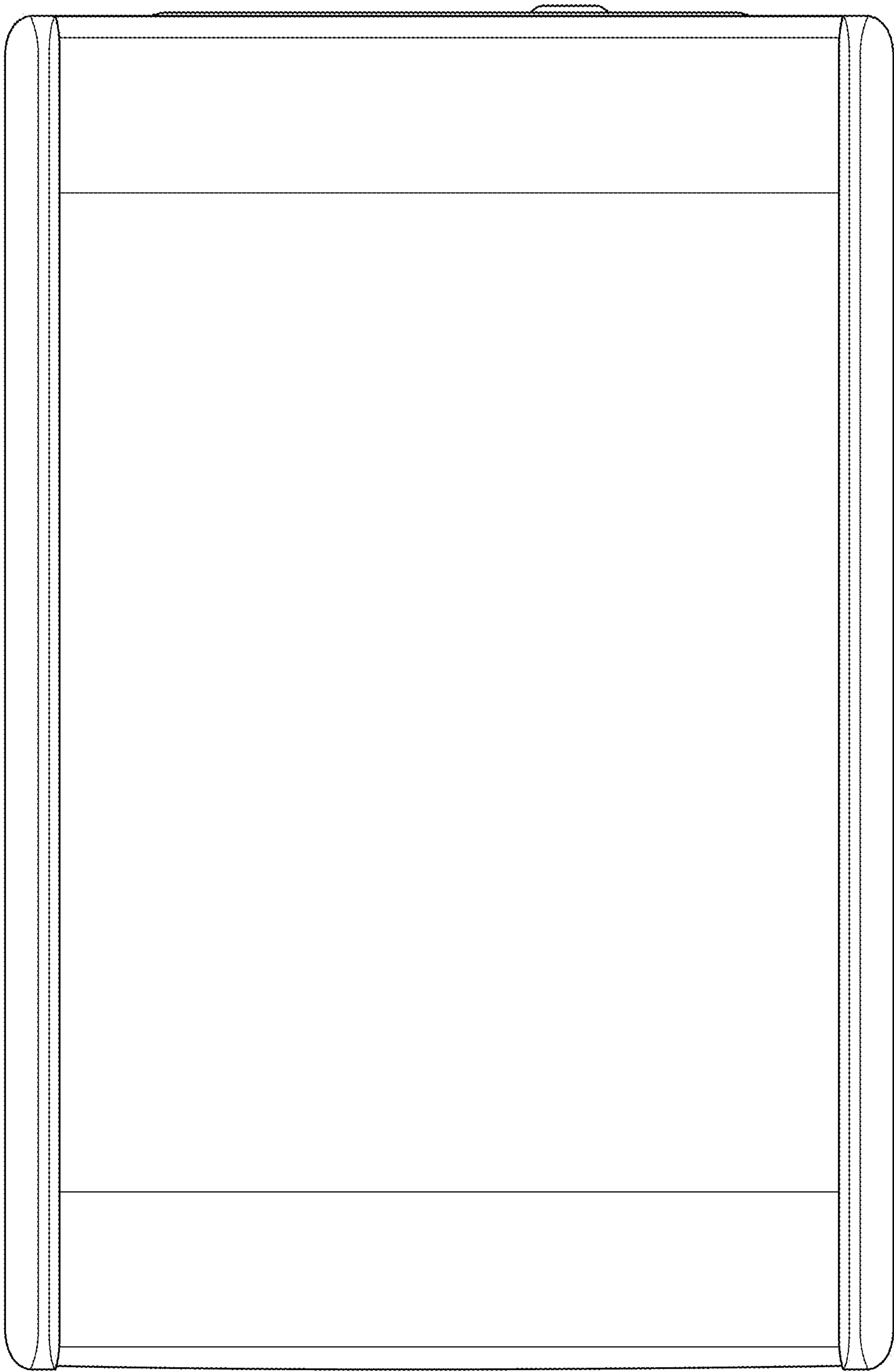


FIG. 2

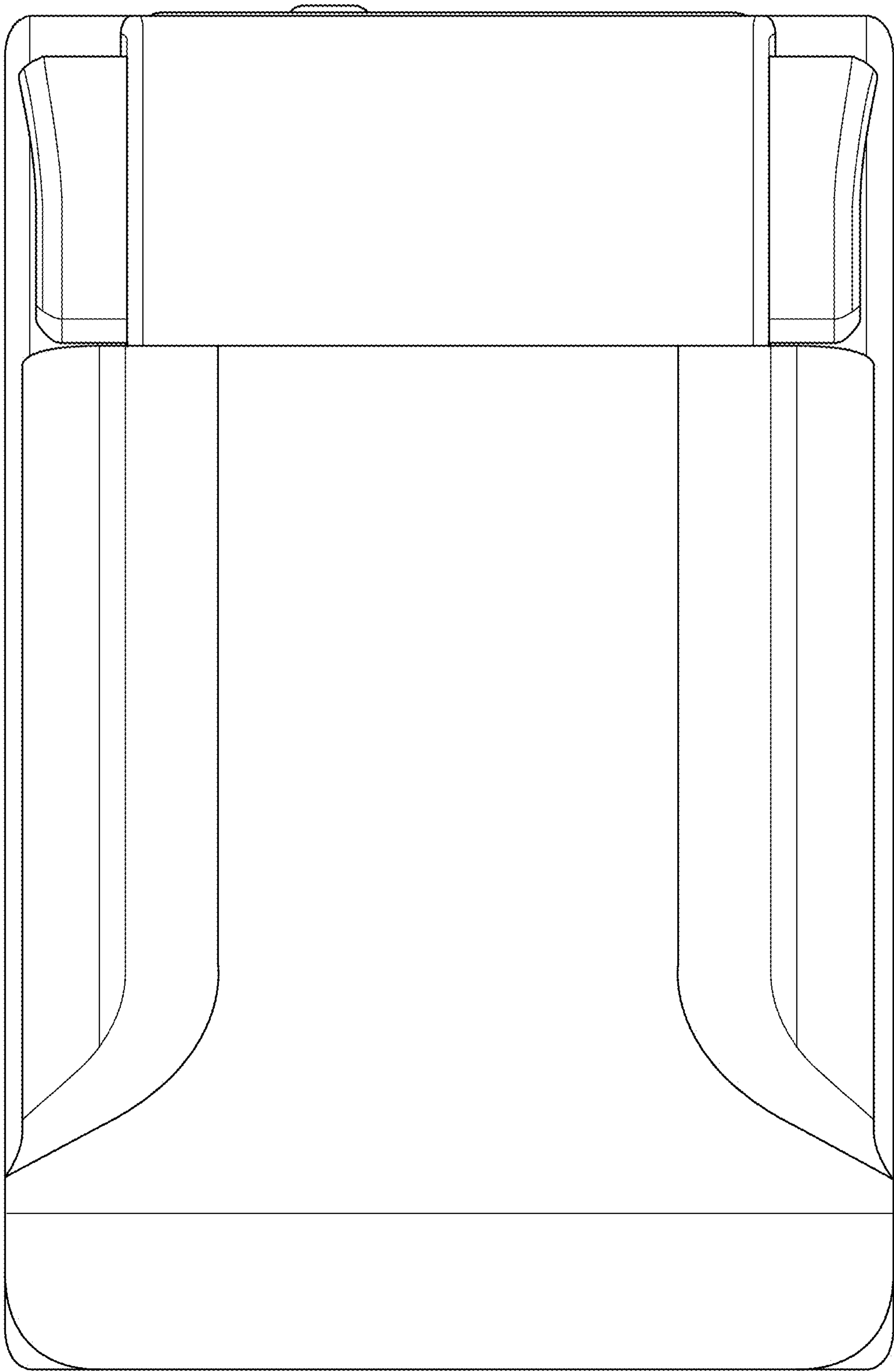


FIG. 3

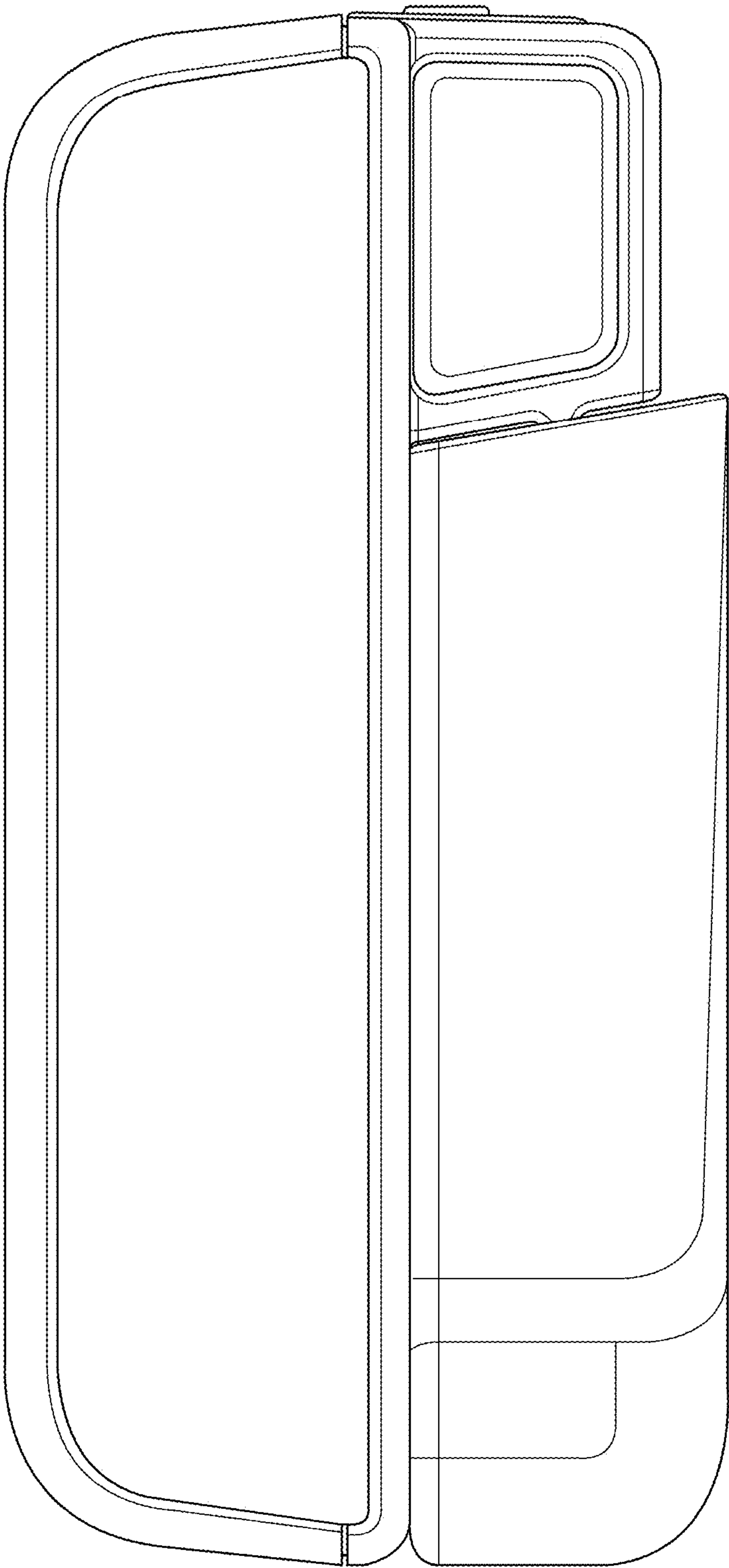


FIG. 4

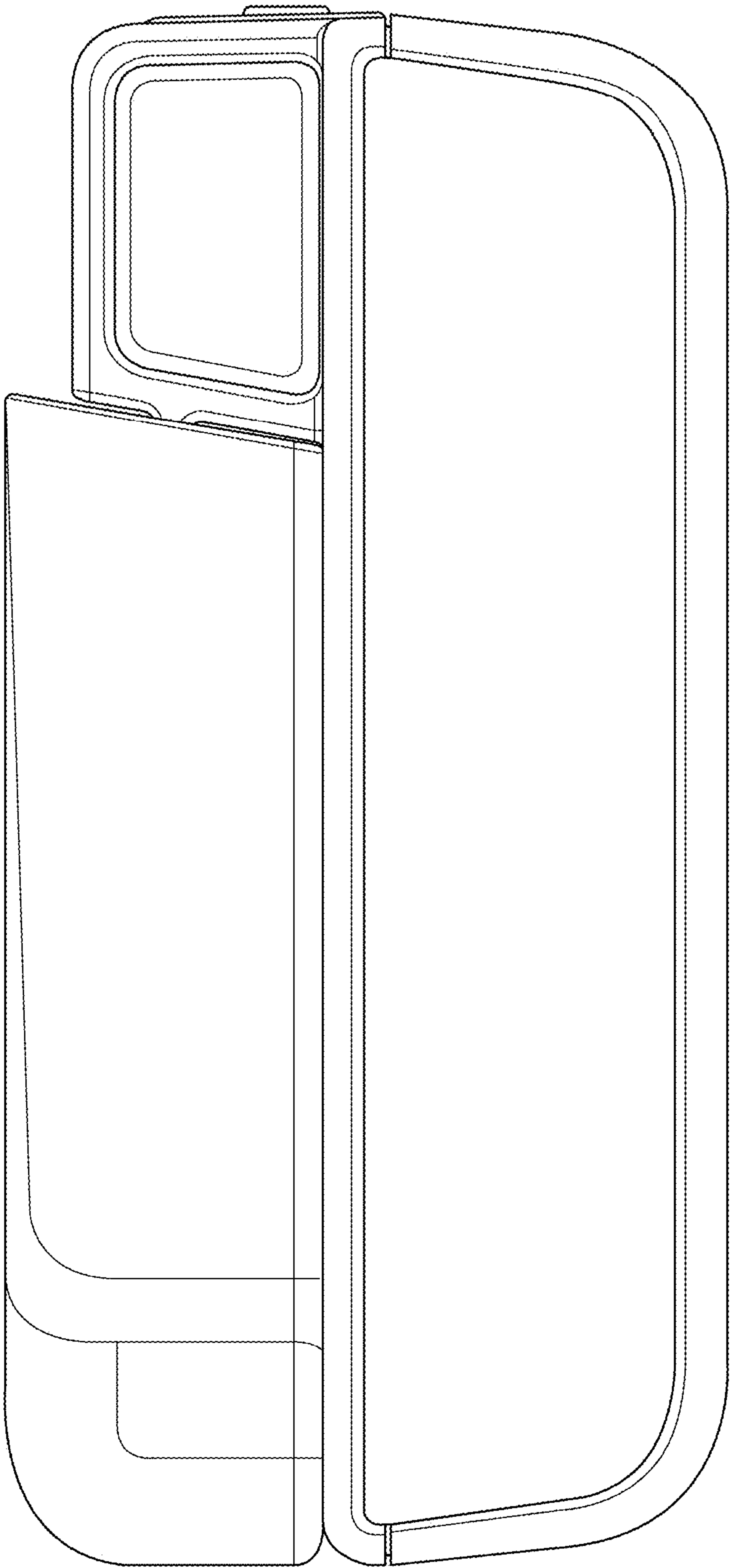


FIG. 5

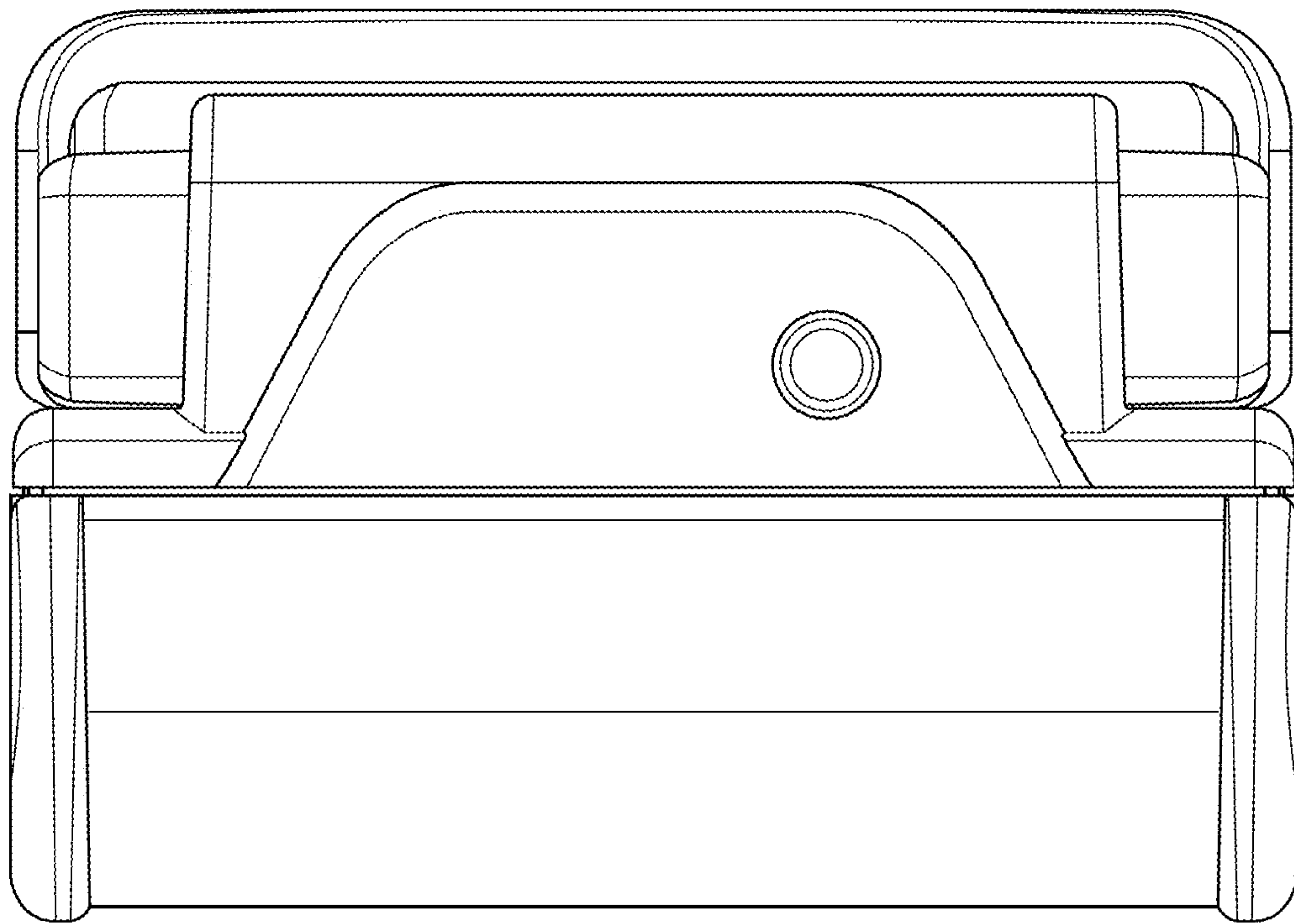


FIG. 6

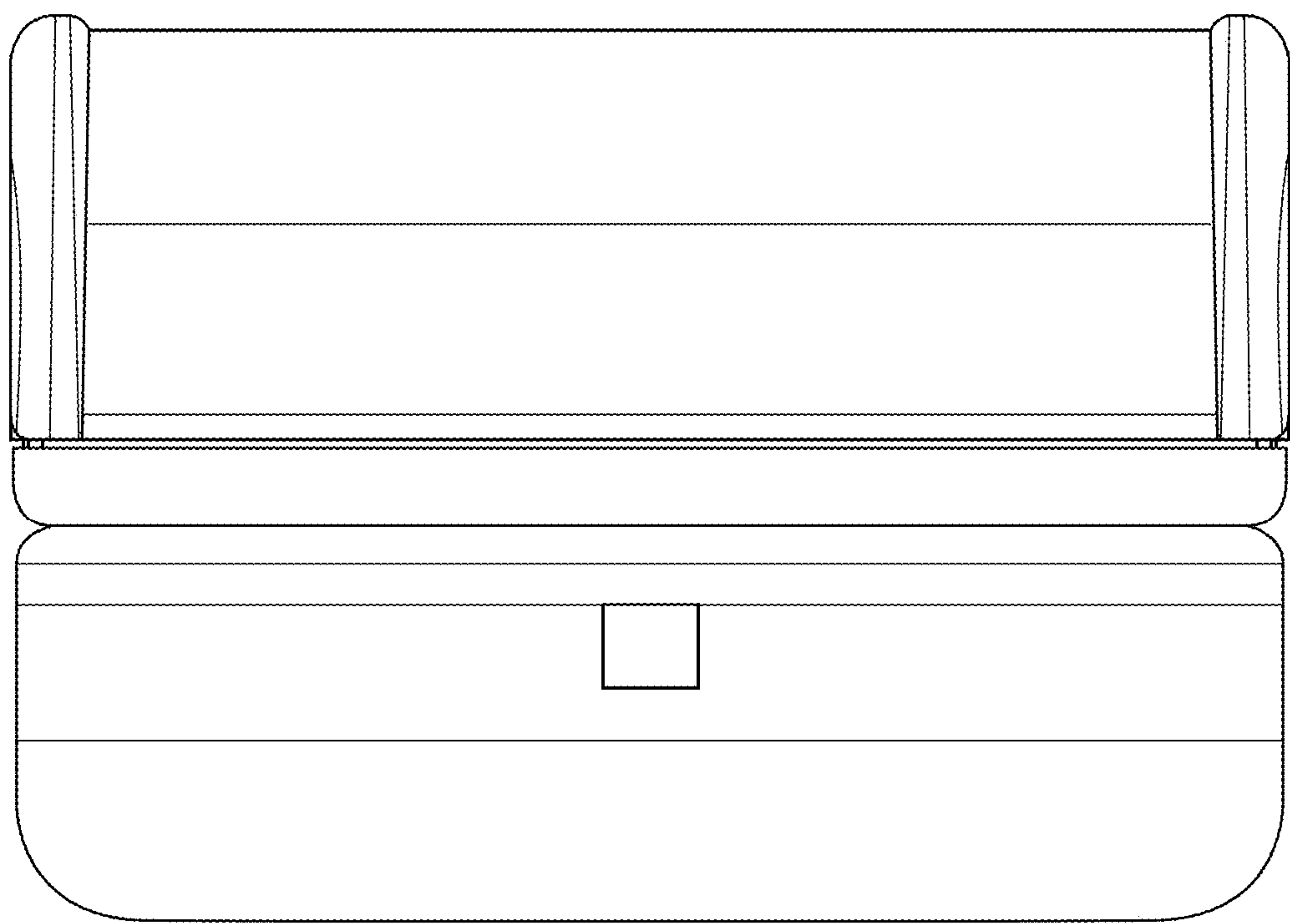


FIG. 7

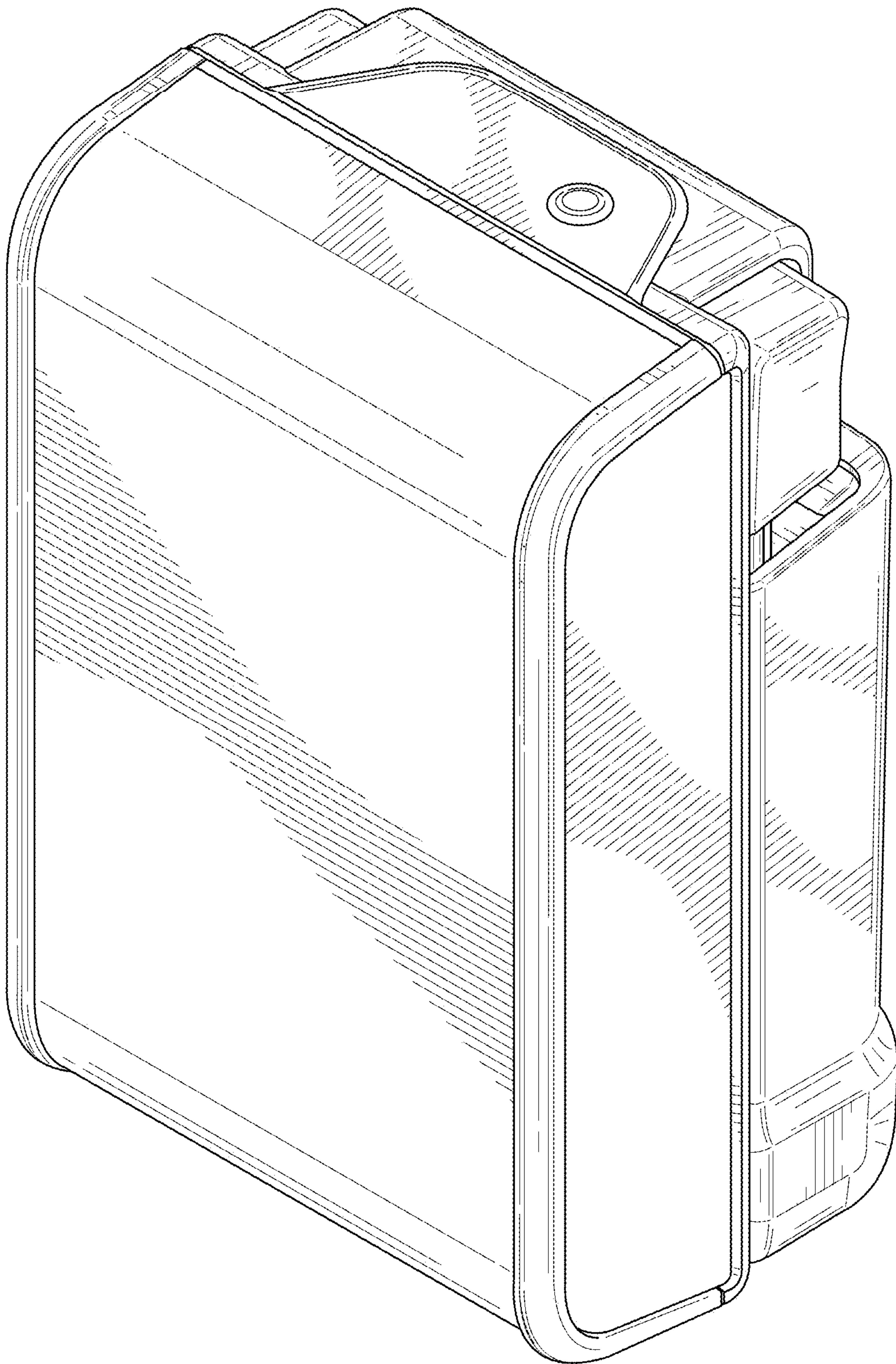


FIG. 8

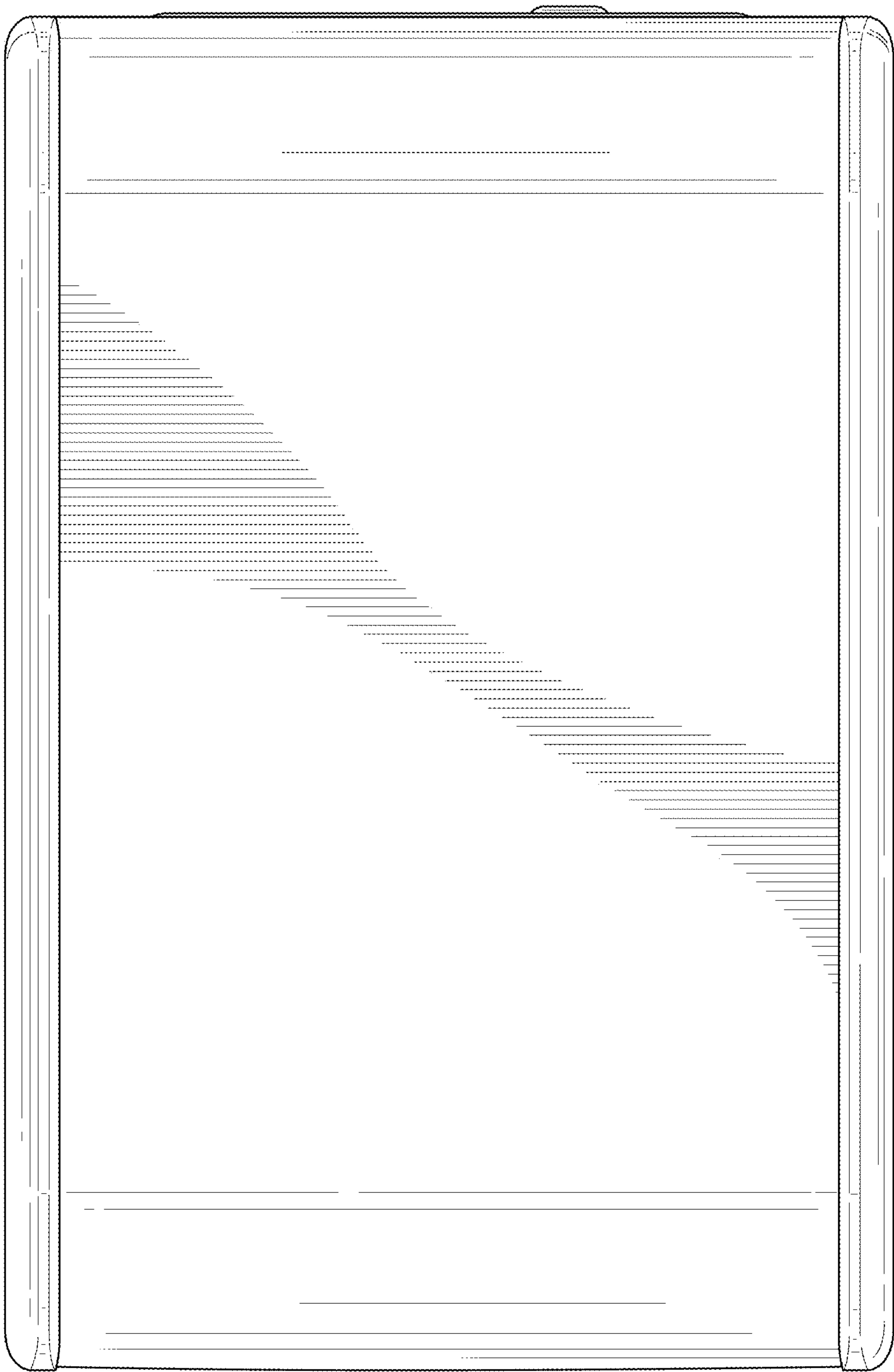


FIG. 9

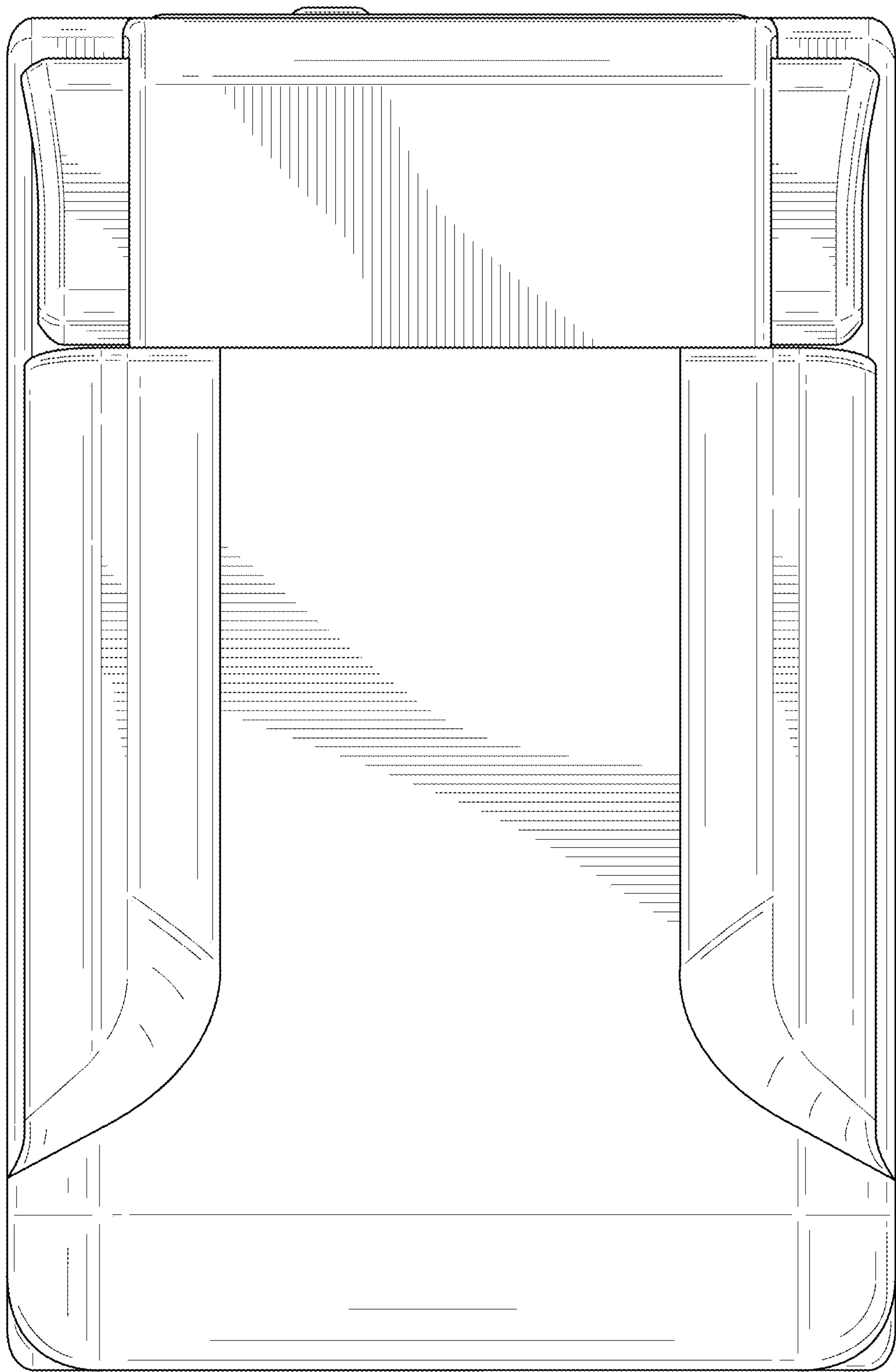


FIG. 10

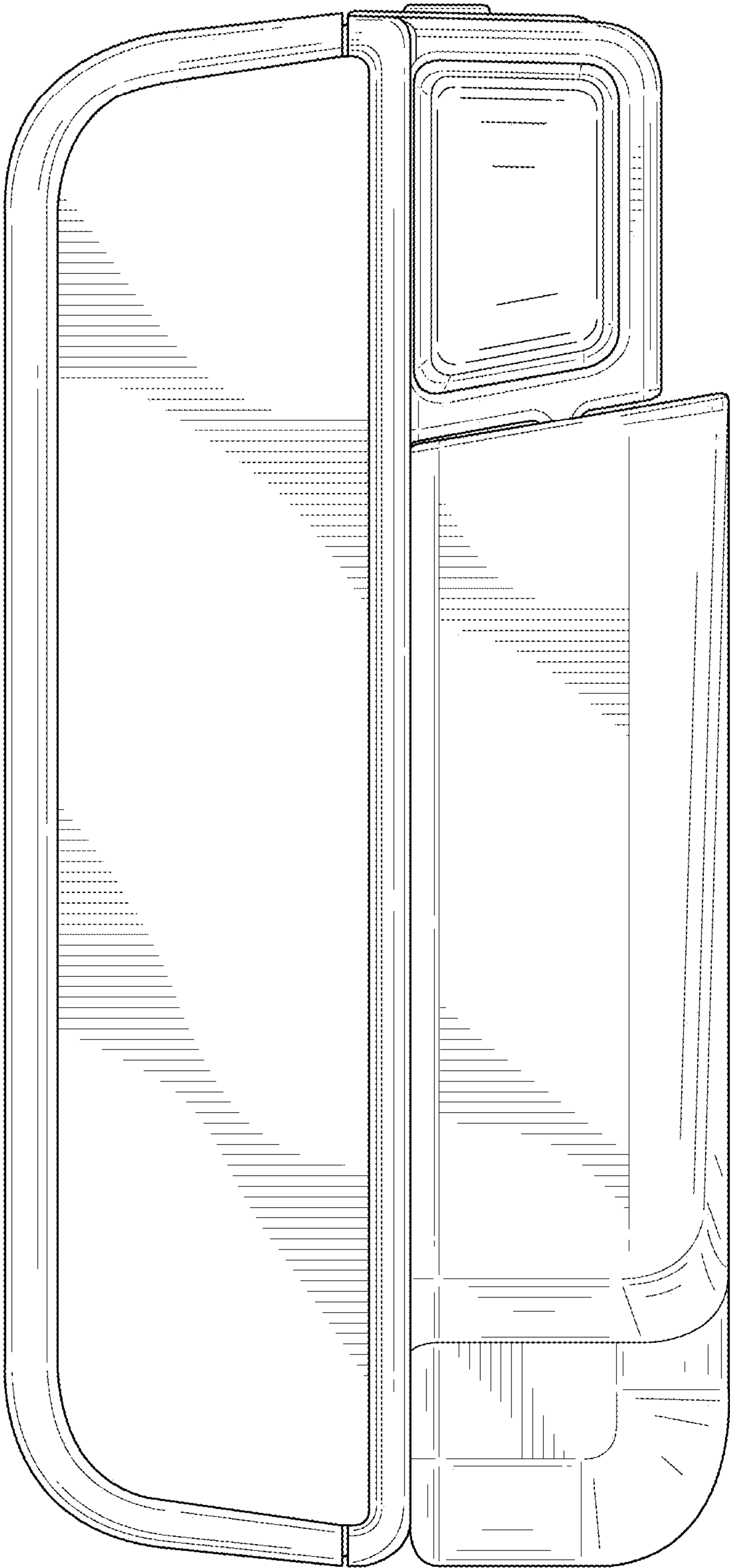


FIG. 11

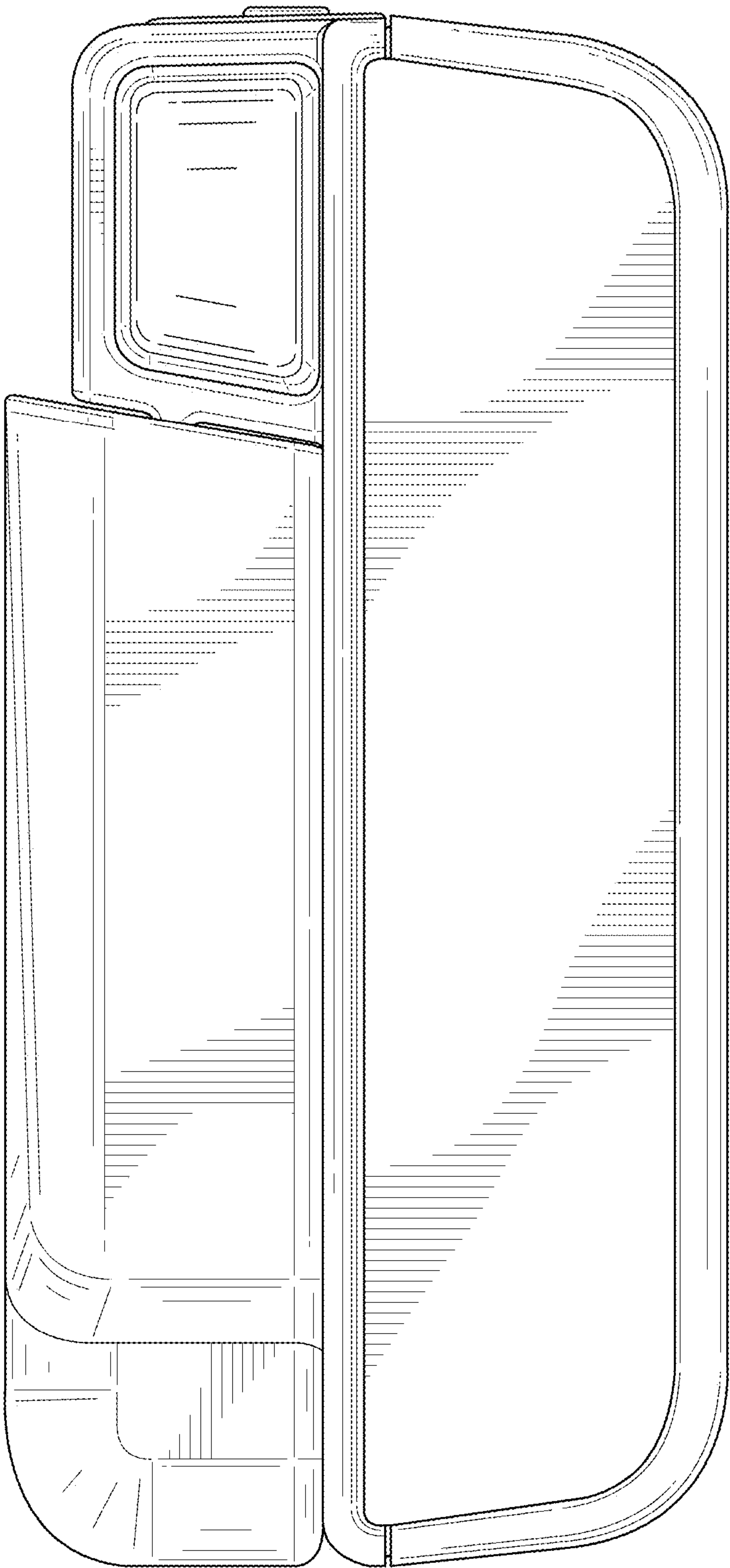


FIG. 12

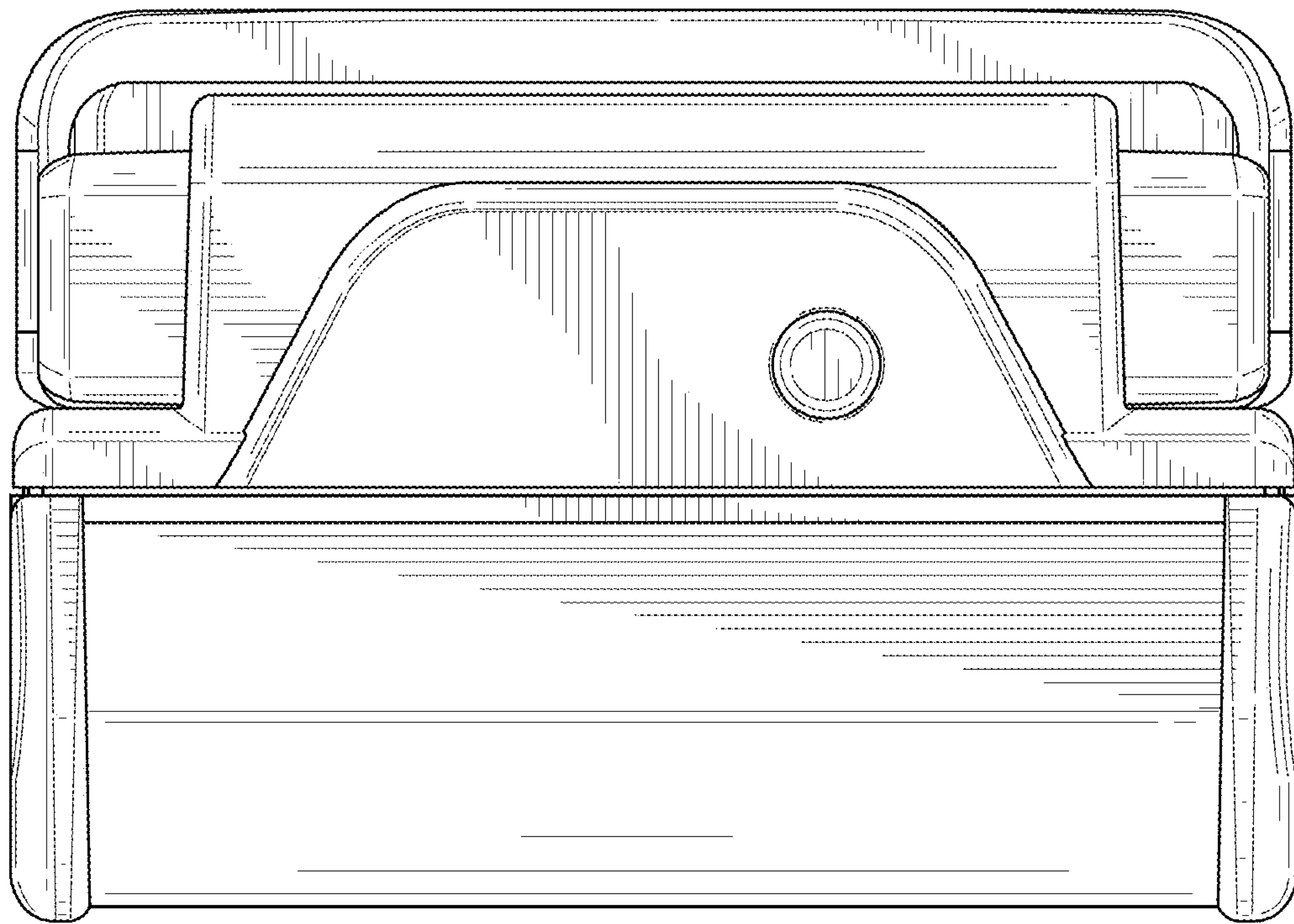


FIG. 13

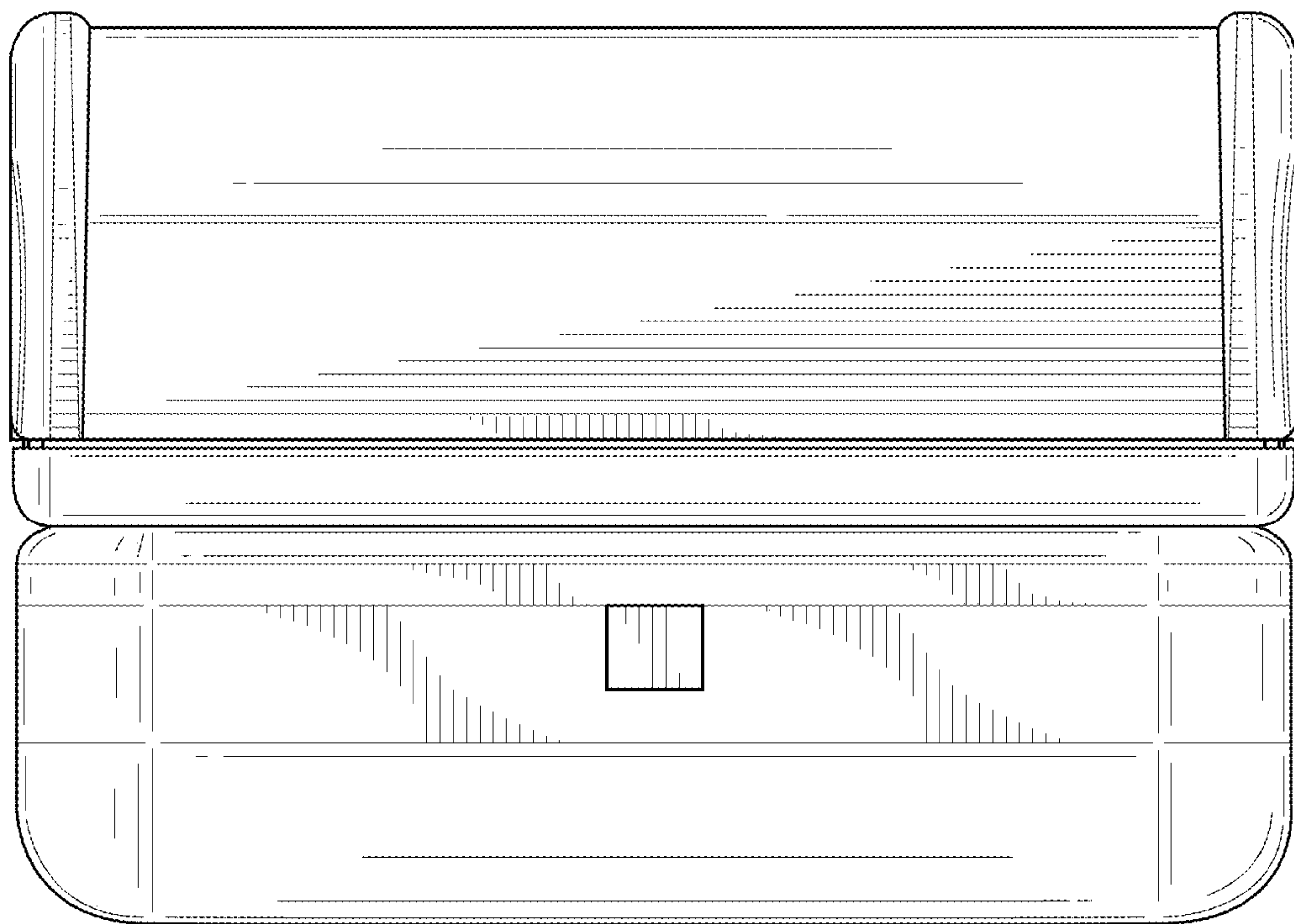


FIG. 14