



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.

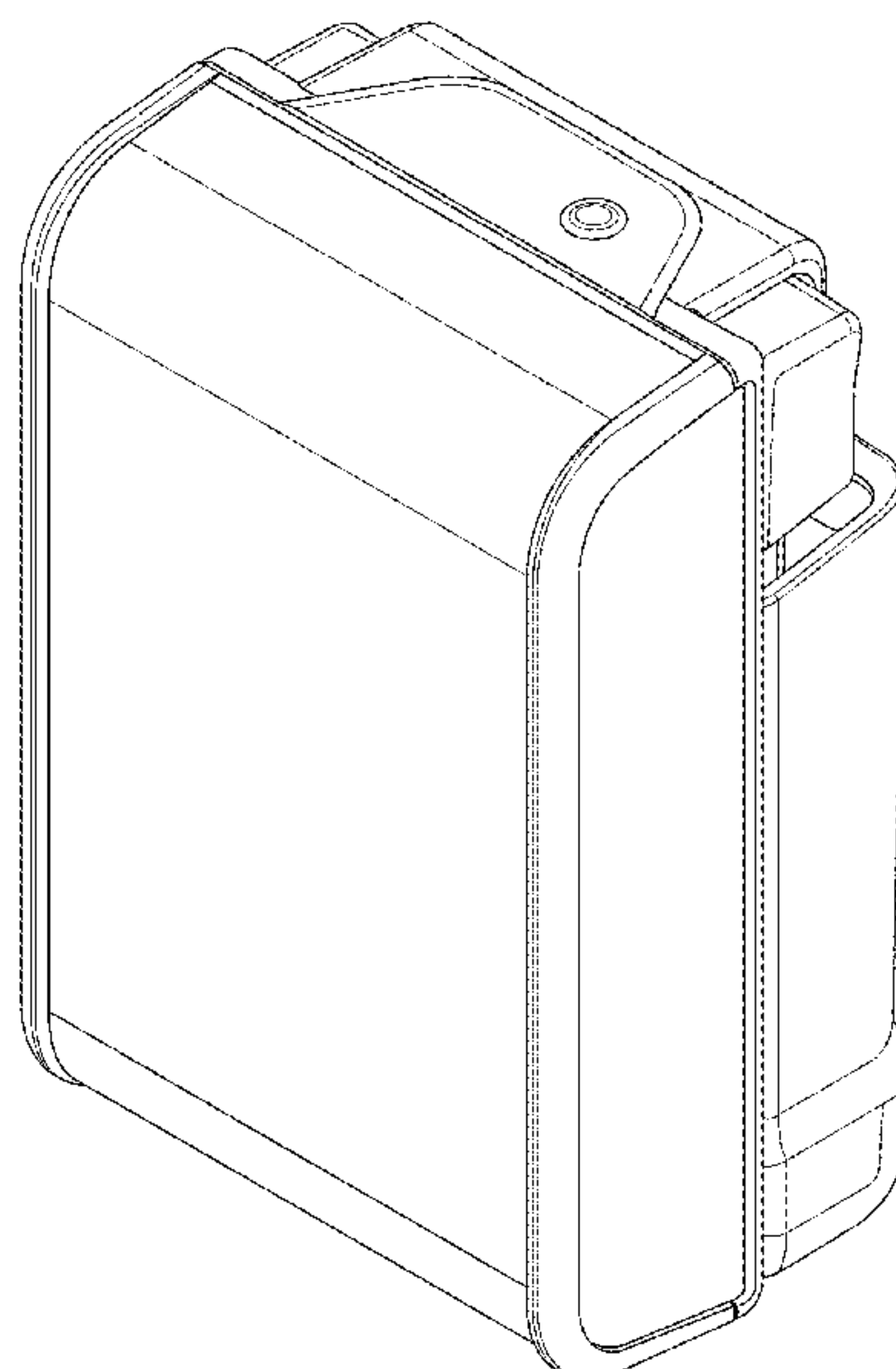
FIG. 11 is a side view of the charger and battery of FIG. 8.  
FIG. 12 is an opposite side view of the charger and battery of FIG. 8.

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



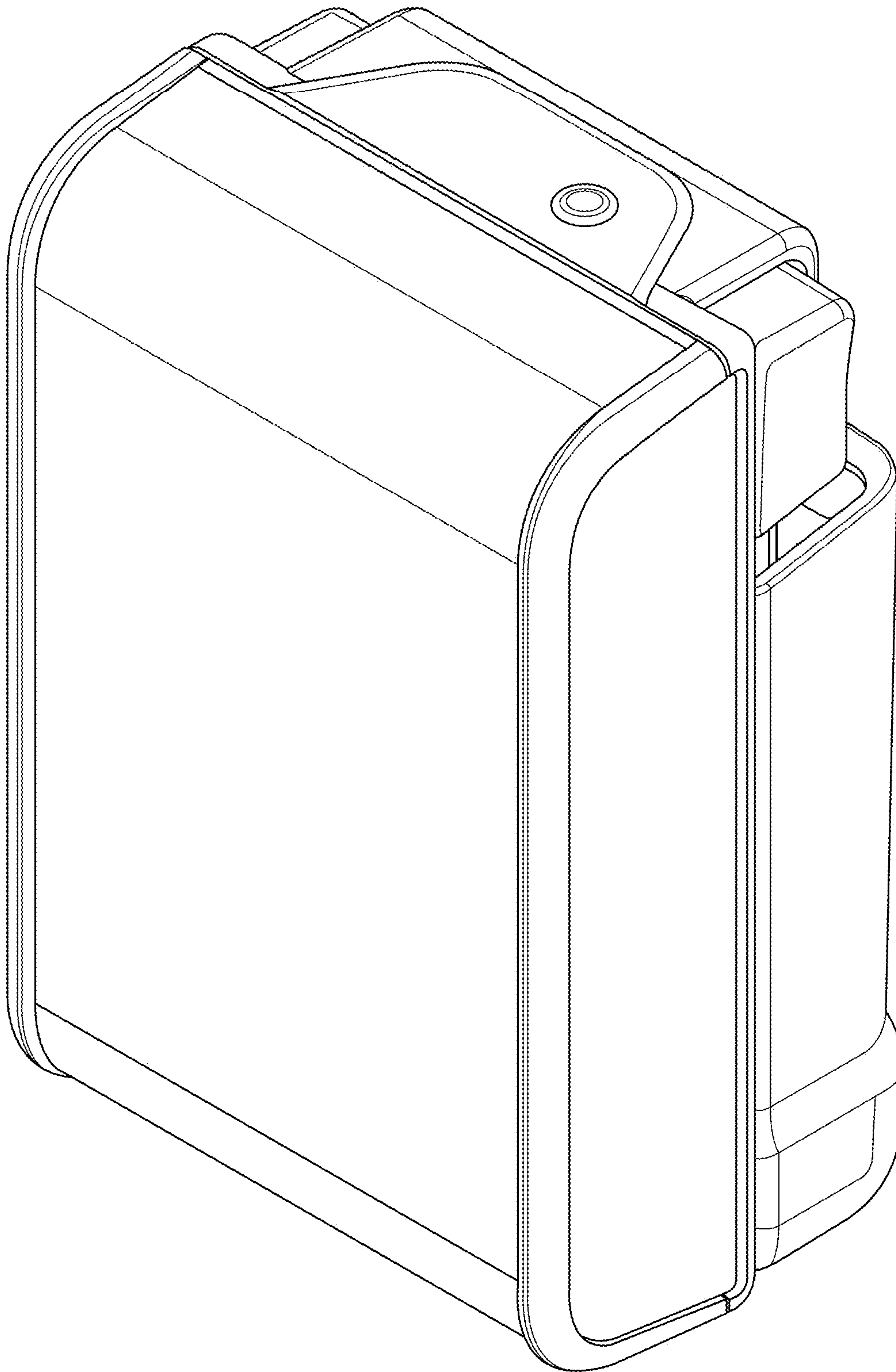


FIG. 1



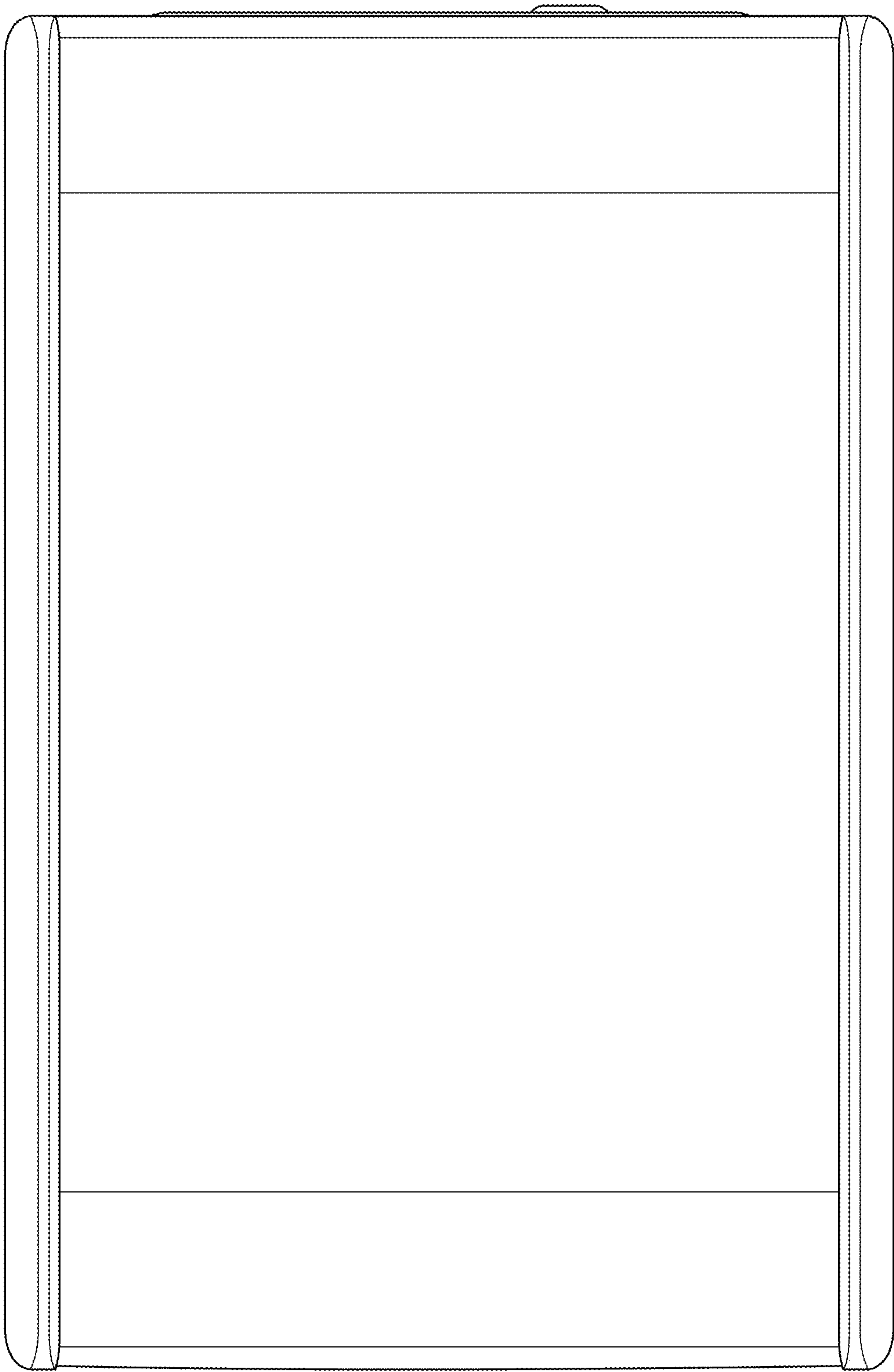


FIG. 2



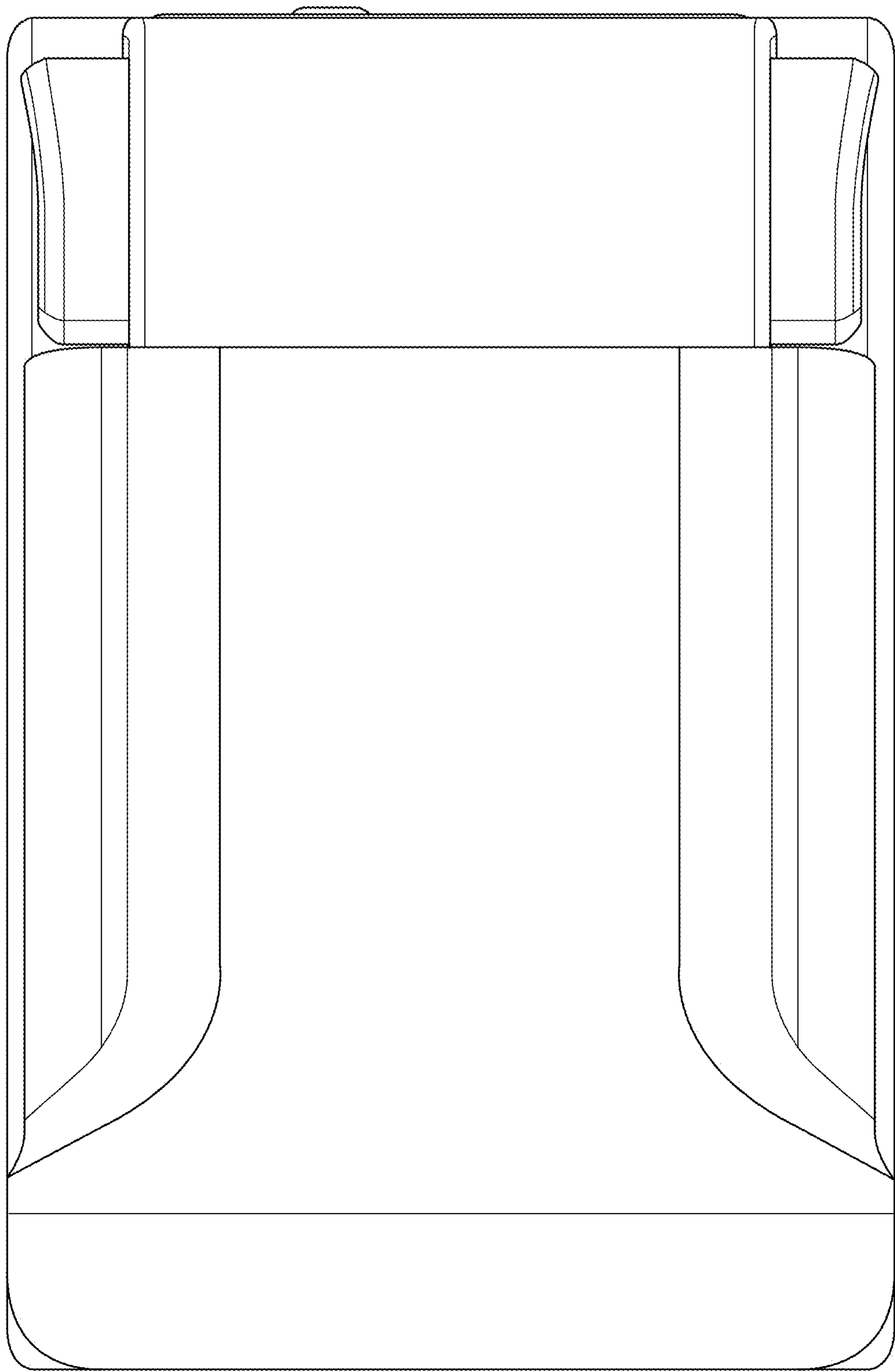


FIG. 3



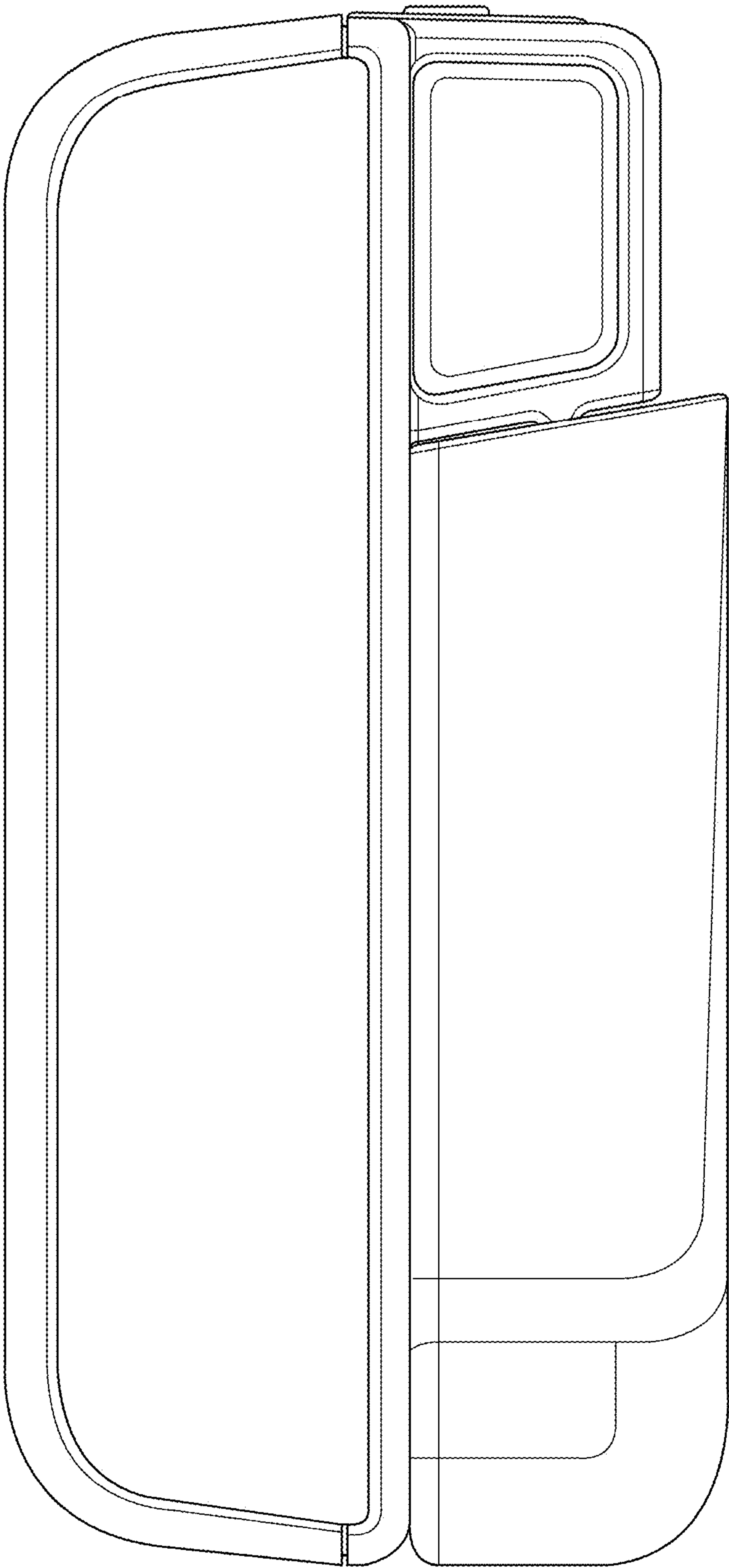


FIG. 4



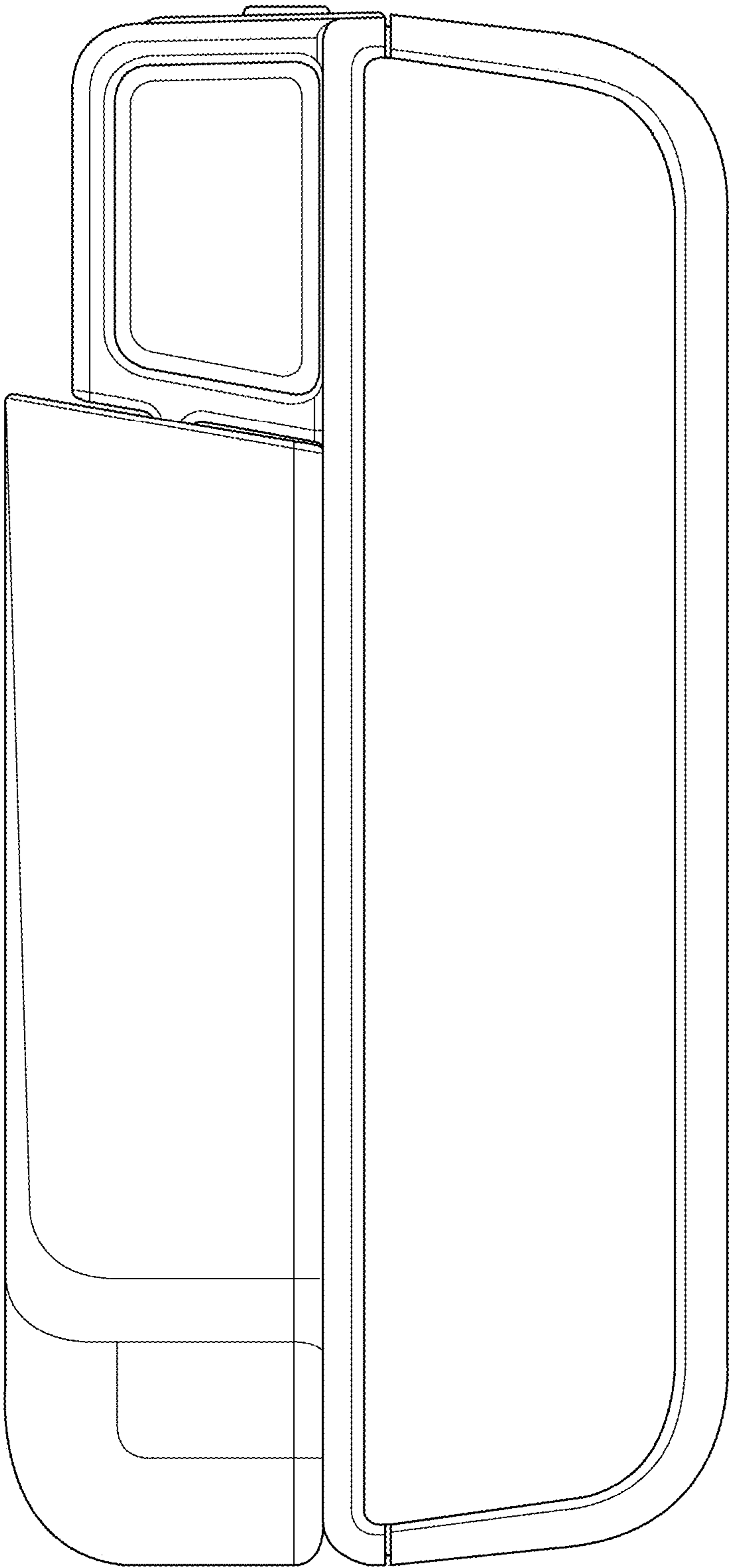


FIG. 5



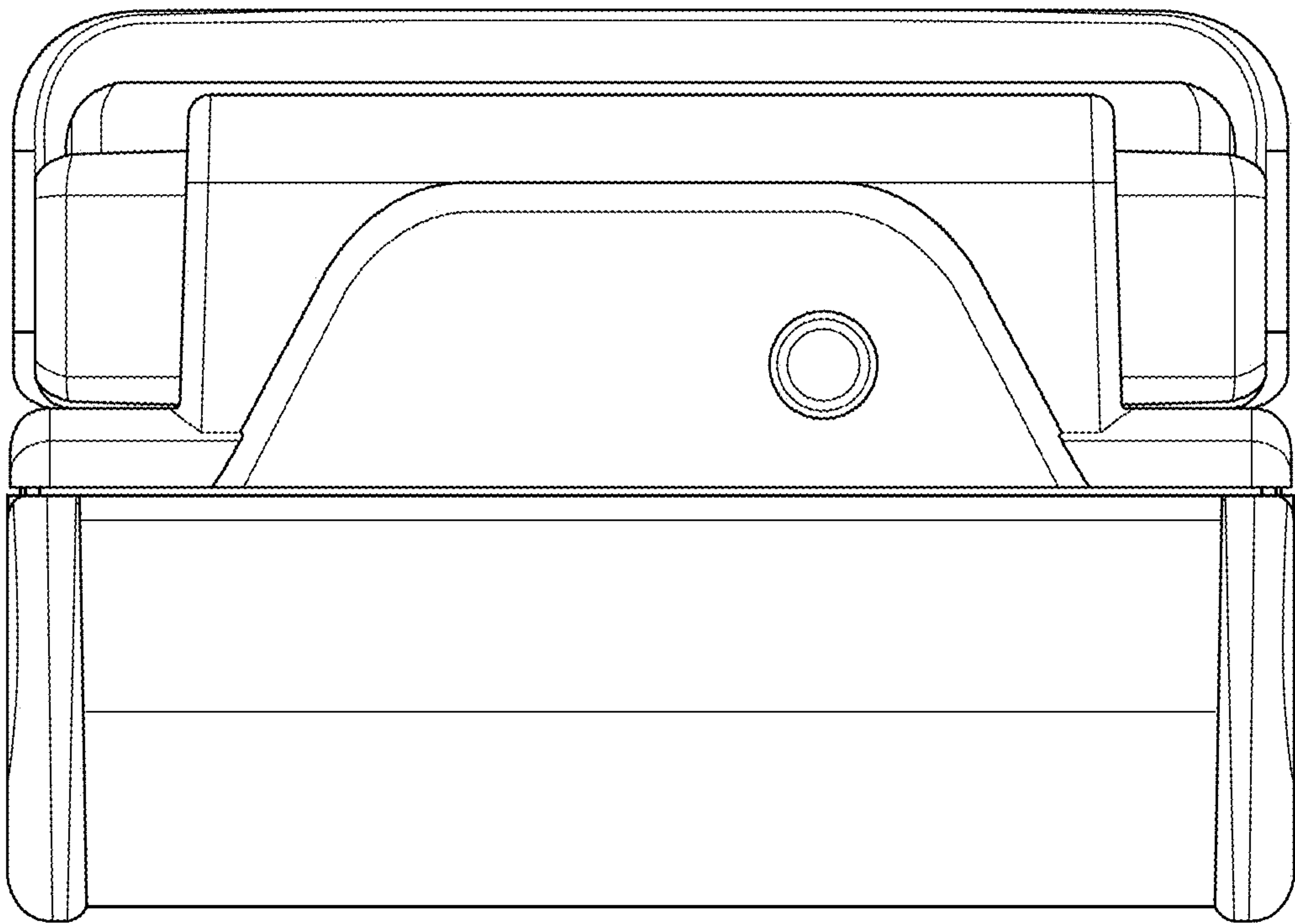


FIG. 6



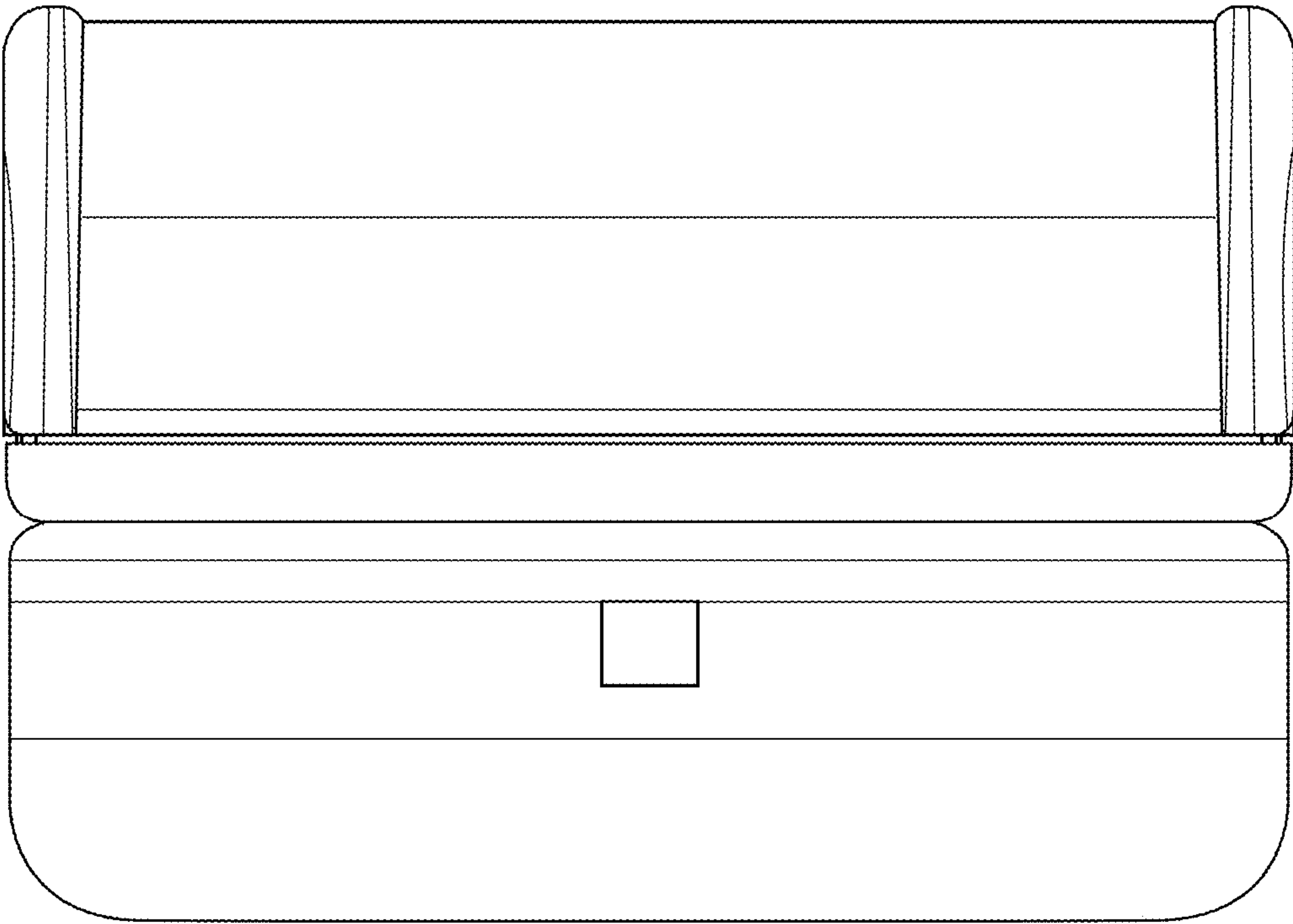


FIG. 7



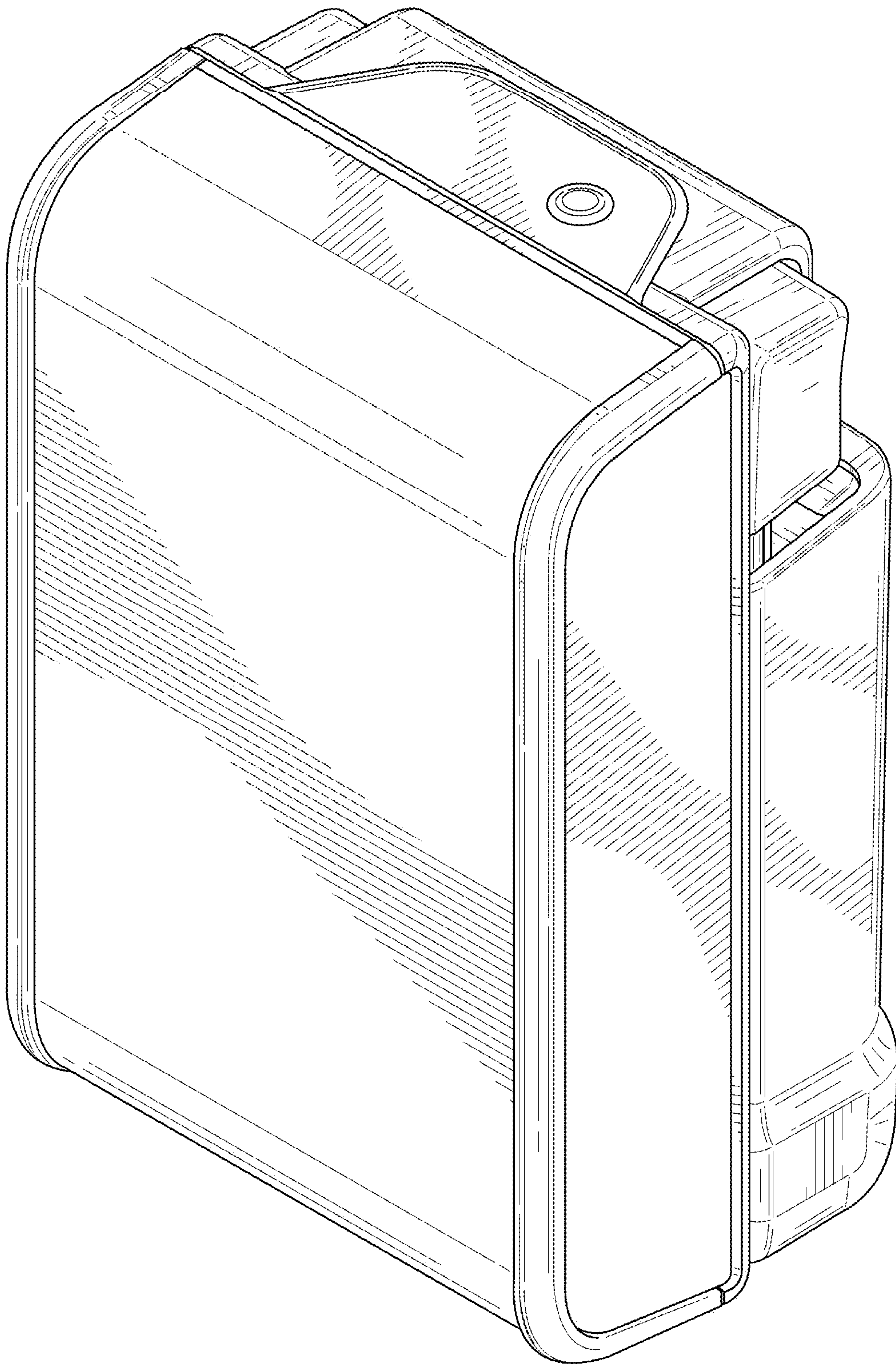


FIG. 8



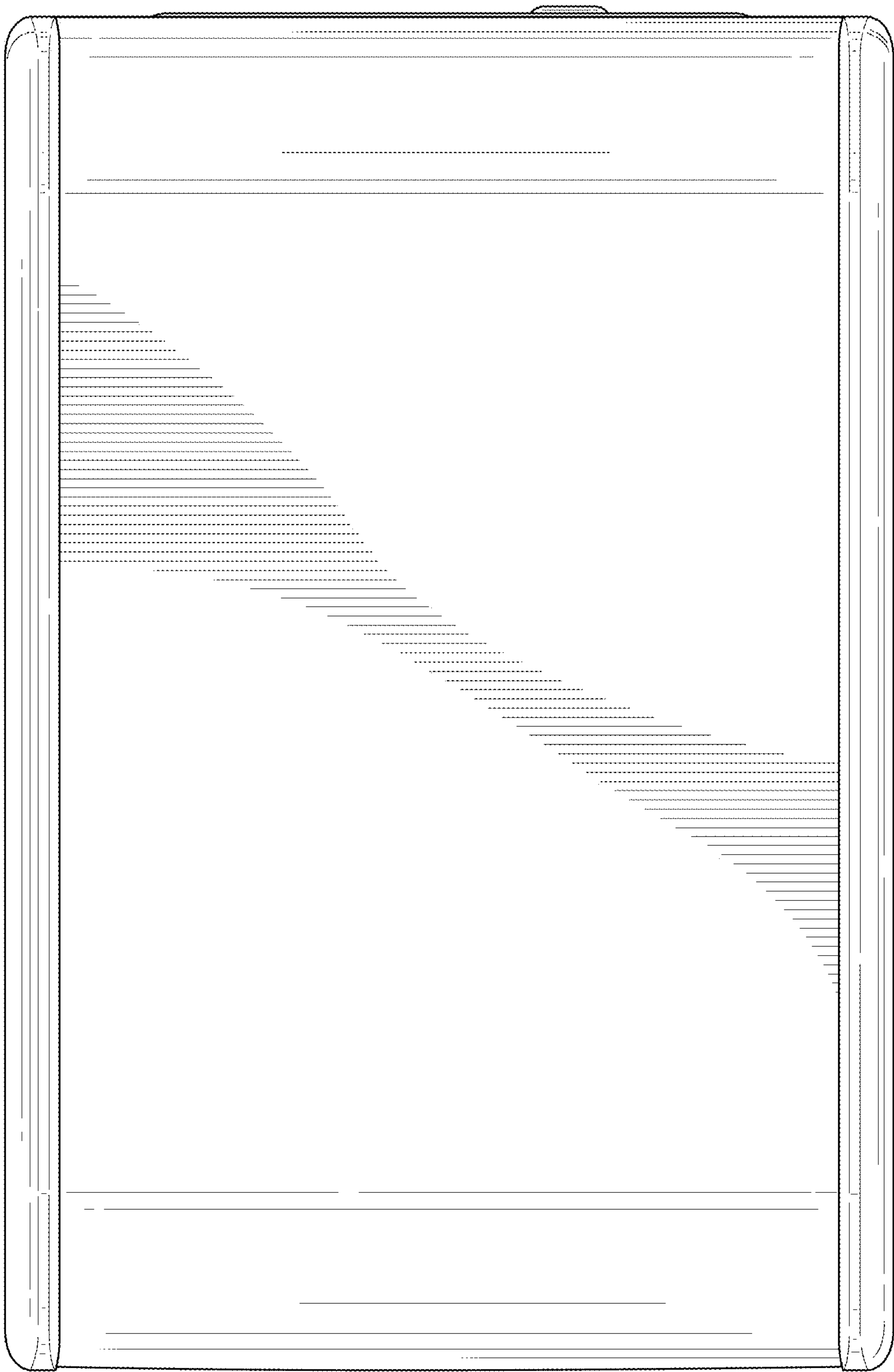


FIG. 9



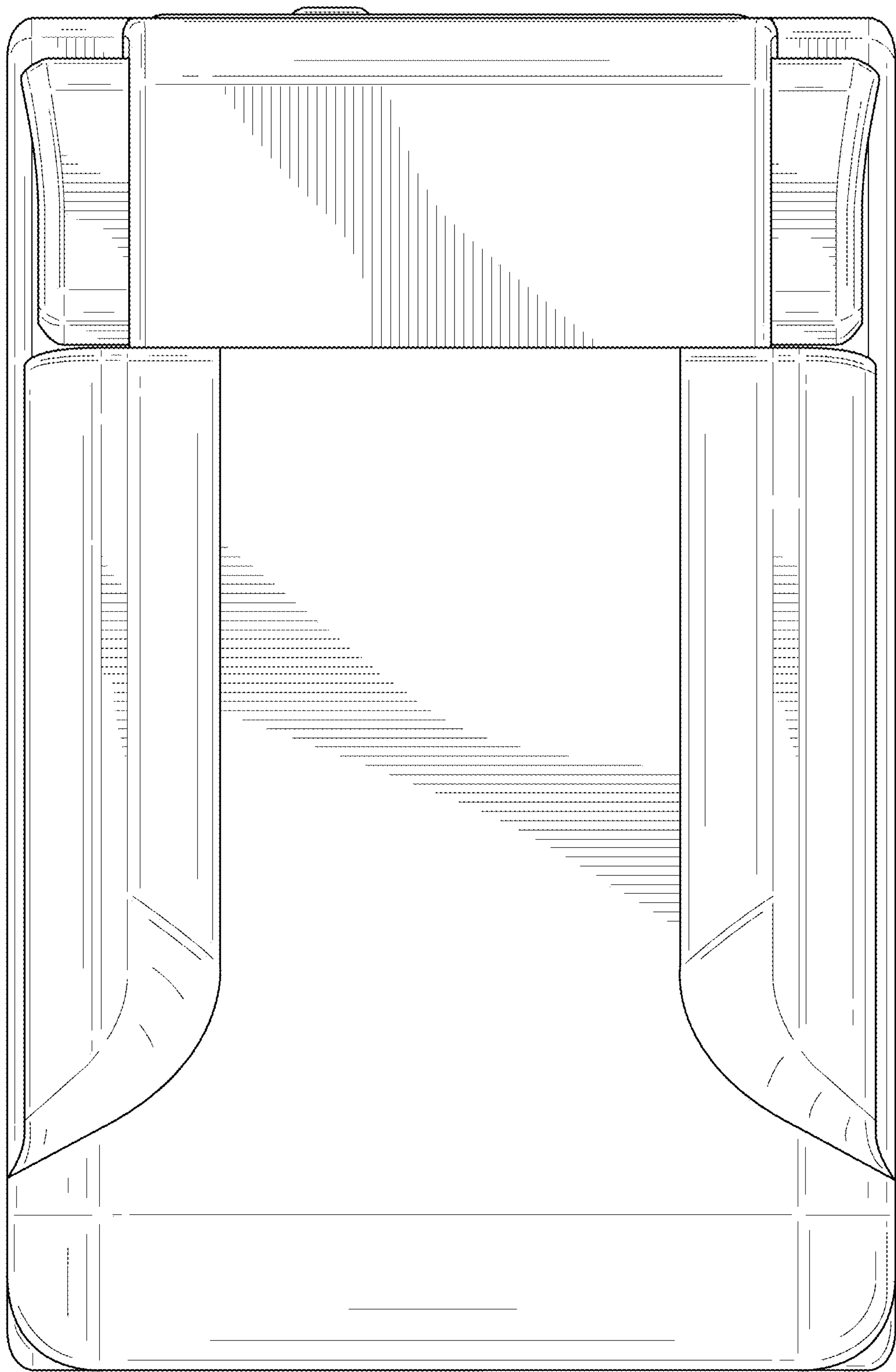


FIG. 10



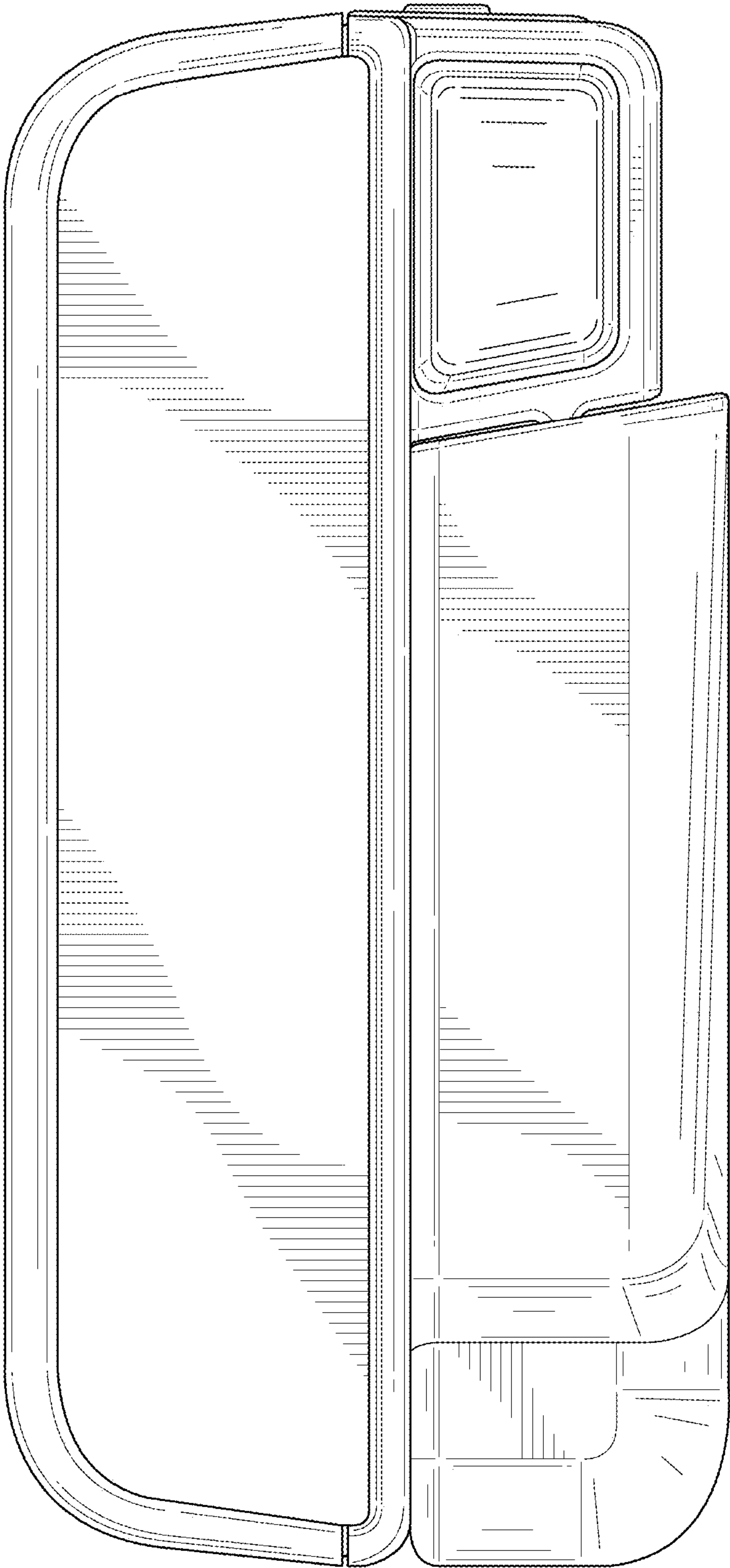


FIG. 11



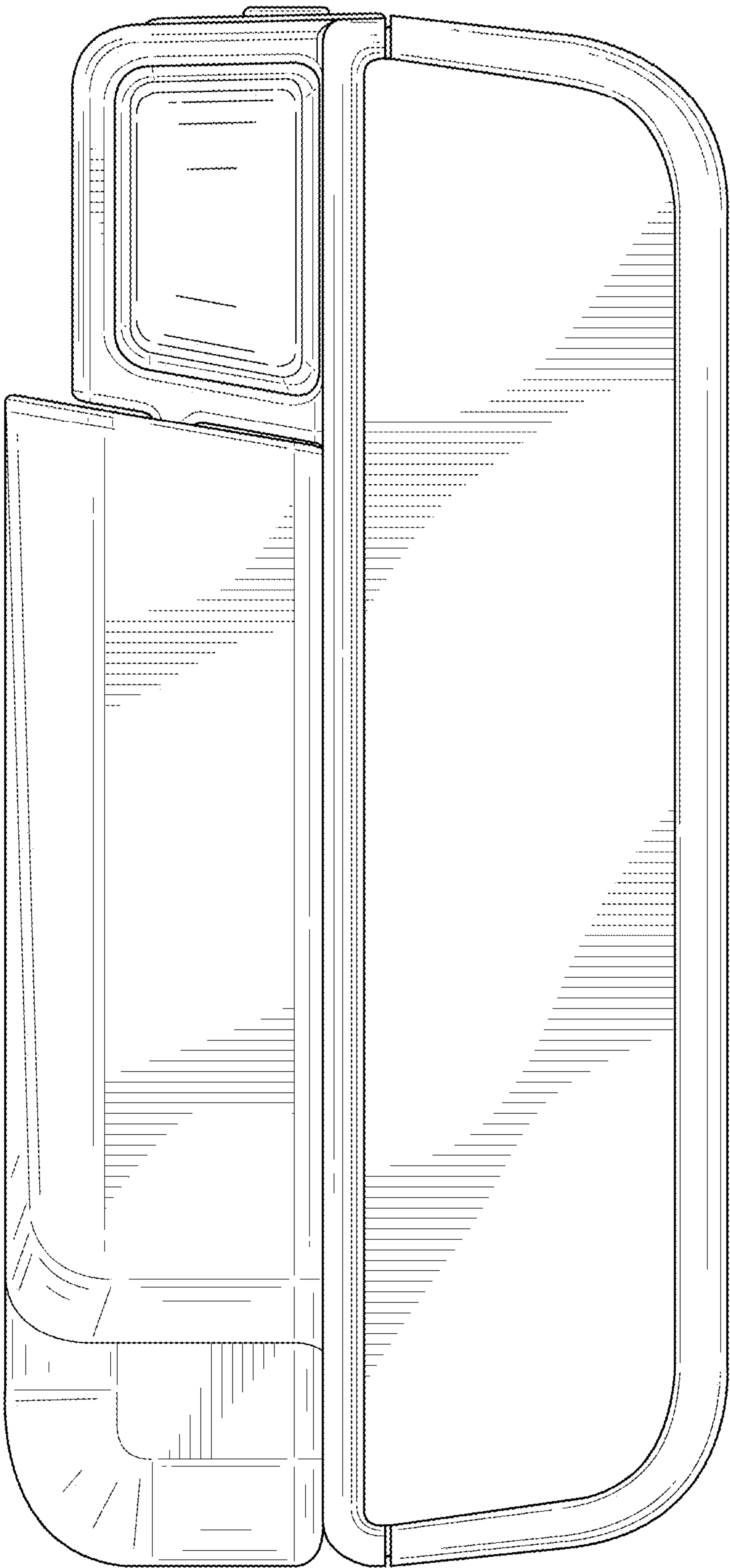


FIG. 12



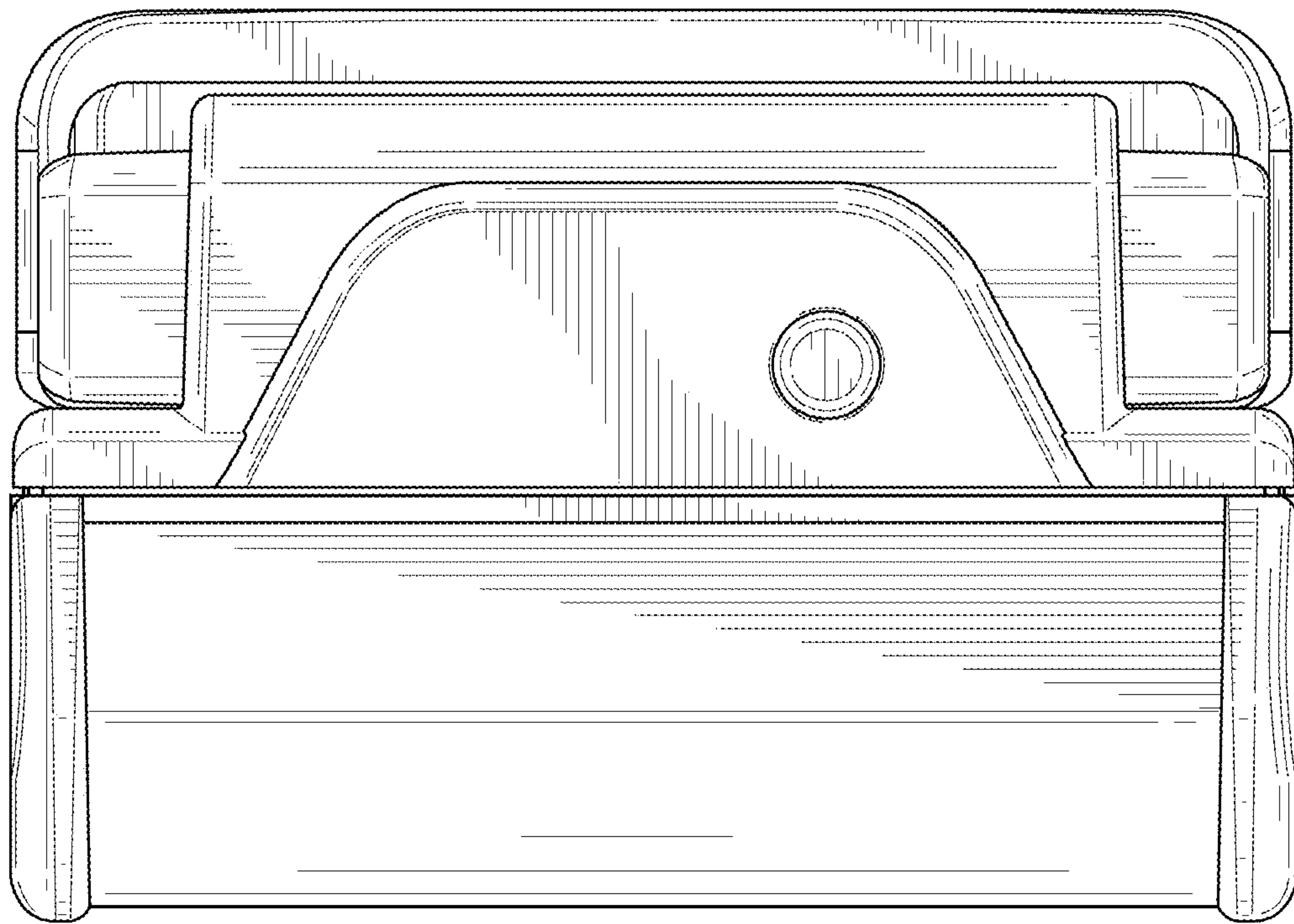


FIG. 13



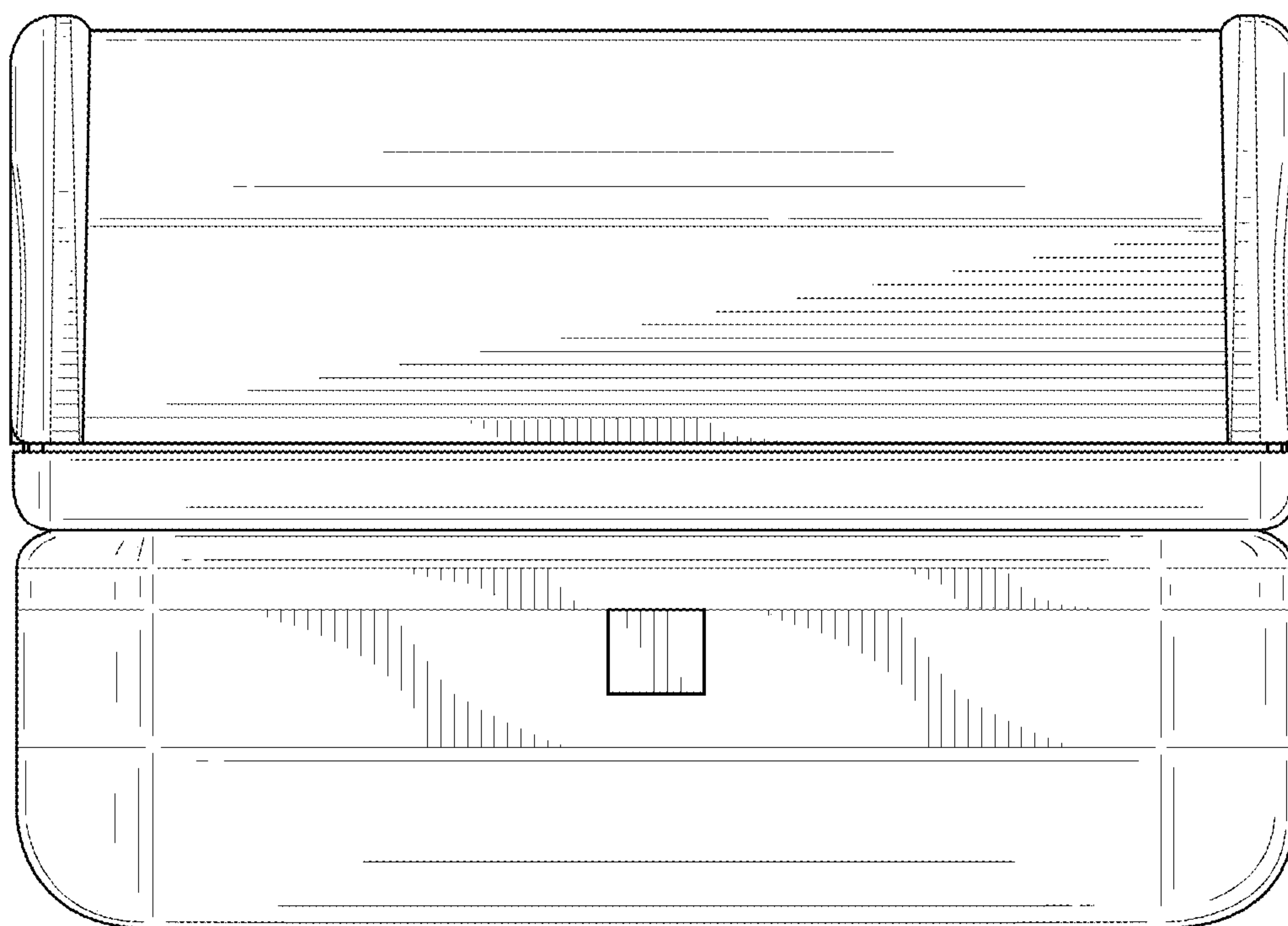


FIG. 14