US00D989715S

(12) **United States Design Patent**
Chen

(10) **Patent No.: US D989,715 S**
(45) **Date of Patent: ** Jun. 20, 2023**

(54) **ELECTRIC WIRE CLIP**

(71) Applicant: **XIAMEN GHGM ELECTRIC CO., LTD**, Xiamen (CN)

(72) Inventor: **Bingshui Chen**, Xiamen (CN)

(73) Assignee: **XIAMEN GHGM ELECTRIC CO., LTD**, Xiamen (CN)

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

(21) Appl. No.: **29/751,319**

(22) Filed: **Sep. 21, 2020**

(30) **Foreign Application Priority Data**

Aug. 19, 2020 (CN) 202030477452.5

(51) **LOC (14) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/149**

(58) **Field of Classification Search**
USPC D13/133, 152, 153, 154, 158, 184, 199, D13/147, 149; D8/394
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D292,087 S * 9/1987 Bryant D13/149
D311,380 S * 10/1990 Kameyama D13/147
(Continued)

FOREIGN PATENT DOCUMENTS

DE 402020100966-0001 * 9/2021
DE 402020100966-0002 * 9/2021
DE 402020100966-0003 * 9/2021

OTHER PUBLICATIONS

"GH5903 Mini GH0923 2-5 pin, LED Lighting Terminal Block, Strip Connector, UL VDE, push wire connector", first accessed Apr. 13, 2023. GHGMLink.com [https://www.ghgmlink.com/gh5903-mini-gh0923-2-5-pin-led-lighting-terminal-block-strip-connector-ul-vde-push-wire-connector_p20.html] (Year: 2023).*
(Continued)

Primary Examiner — Rosemary K Tarcza
Assistant Examiner — Seth David Kumpf

(57) **CLAIM**

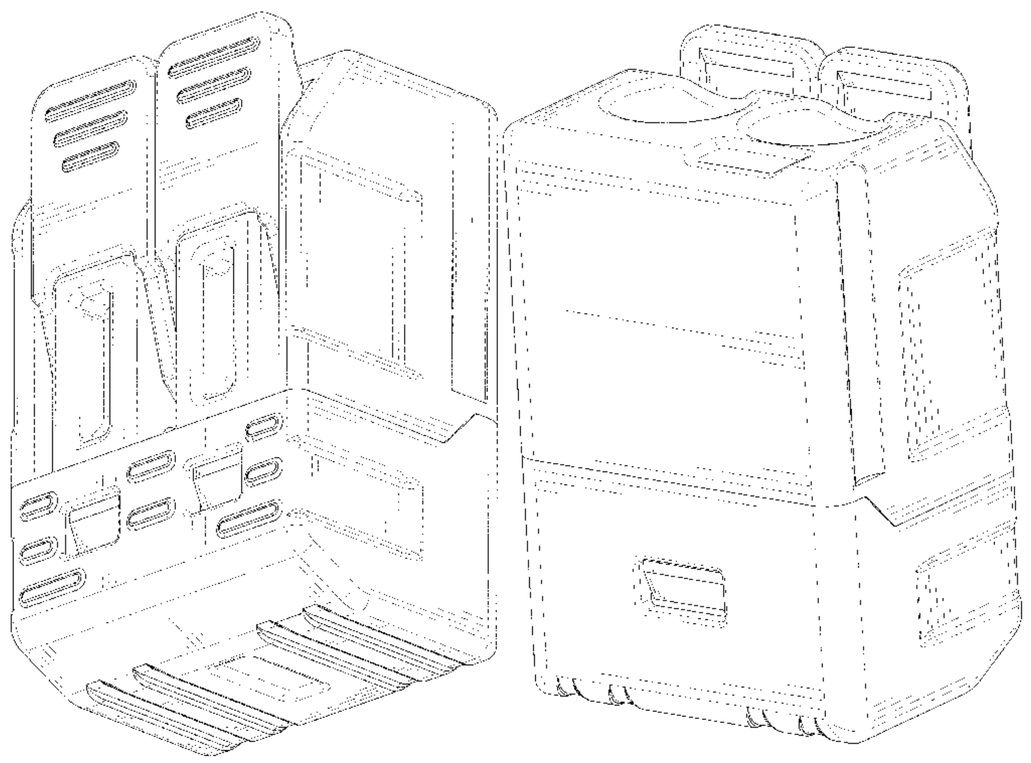
The ornamental design for an electric wire clip, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a first embodiment of an electric wire clip showing my new design;
FIG. **2** is another perspective view thereof;
FIG. **3** is a front elevational view thereof;
FIG. **4** is a rear elevational view thereof;
FIG. **5** is a left side elevational view thereof;
FIG. **6** is a right side elevational view thereof;
FIG. **7** is a top plan view thereof; and
FIG. **8** is a bottom plan view thereof;
FIG. **9** is a perspective view of a second embodiment of the electric wire clip;
FIG. **10** is another perspective view thereof;
FIG. **11** is a front elevational view thereof;
FIG. **12** is a rear elevational view thereof;
FIG. **13** is a left side elevational view thereof;
FIG. **14** is a right side elevational view thereof;
FIG. **15** is a top plan view thereof; and
FIG. **16** is a bottom plan view thereof;
FIG. **17** is a perspective view of a third embodiment of the electric wire clip;
FIG. **18** is another perspective view thereof;
FIG. **19** is a front elevational view thereof;
FIG. **20** is a rear elevational view thereof;
FIG. **21** is a left side elevational view thereof;
FIG. **22** is a right side elevational view thereof;
FIG. **23** is a top plan view thereof; and,
FIG. **24** is a bottom plan view thereof.

The broken lines in the drawings depict portions of the electric wire clip that form no part of the claimed design.

1 Claim, 24 Drawing Sheets



(58) **Field of Classification Search**
CPC .. H01R 4/4818; H01R 4/4836; H01R 13/502; H01R 11/11; H01R 12/515; H01R 12/58; H01R 9/2416
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D339,794	S	*	9/1993	Powell	D13/152
D473,519	S	*	4/2003	Borst	H01R 4/40 D13/149
D545,765	S	*	7/2007	Cockburn	D13/152
D593,951	S	*	6/2009	Yoon	D13/147
D660,261	S	*	5/2012	Huang	D13/184
D671,897	S	*	12/2012	Kettern	D13/149
D676,391	S	*	2/2013	Gassauer	D13/147
D709,589	S	*	7/2014	Zebny	D22/139
D712,285	S	*	9/2014	Baldwin	D13/162
D751,423	S	*	3/2016	Baldwin	D10/40
D826,165	S	*	8/2018	Mastel	D13/146
D848,376	S	*	5/2019	Hewitt	D13/153
D853,334	S	*	7/2019	Mastel	D13/146
D858,455	S	*	9/2019	Baumeister	D13/149
D862,394	S	*	10/2019	Hernandez	D13/147
D909,976	S	*	2/2021	Bonner	D13/147
D910,465	S	*	2/2021	Lindeman	D10/49
D915,293	S	*	4/2021	Hernandez	D13/147
D941,251	S	*	1/2022	Wu	D13/147
D959,592	S	*	8/2022	Brattain	D22/119
2021/0376520	A1	*	12/2021	Shell	H02G 3/14

OTHER PUBLICATIONS

"GH0744 no push-button, Pin spacing 3.5 mm, PCB Mount Terminal Block Connector Electronic Components Elect", first accessed Apr. 13, 2023. GHGMLink.com [https://www.ghgmlink.com/gh0744-no-push-button-pin-spacing-3-5-mm-7a-high-current-pcb-mount-terminal-block-connector-electronic-com] (Year: 2023).*

"GH0923 2-5 pin, LED Lighting Terminal Block, Strip Connector 923, UL VDE, push wire connector", first accessed Apr. 13, 2023. GHGMLink.com [https://www.ghgmlink.com/gh0923-2-5-pin-led-lighting-terminal-block-strip-connector-923-ul-vde-push-wire-connector_p16.html] (Year: 2023).*

"GH0221, lighting connector, push in connector, lever connectors for building wiring", first accessed Apr. 13, 2023. GHGMLink.com [https://www.ghgmlink.com/gh0221-lighting-connector-push-in-connector-lever-connectors-for-building-wiring_p84.html] (Year: 2023).*

* cited by examiner

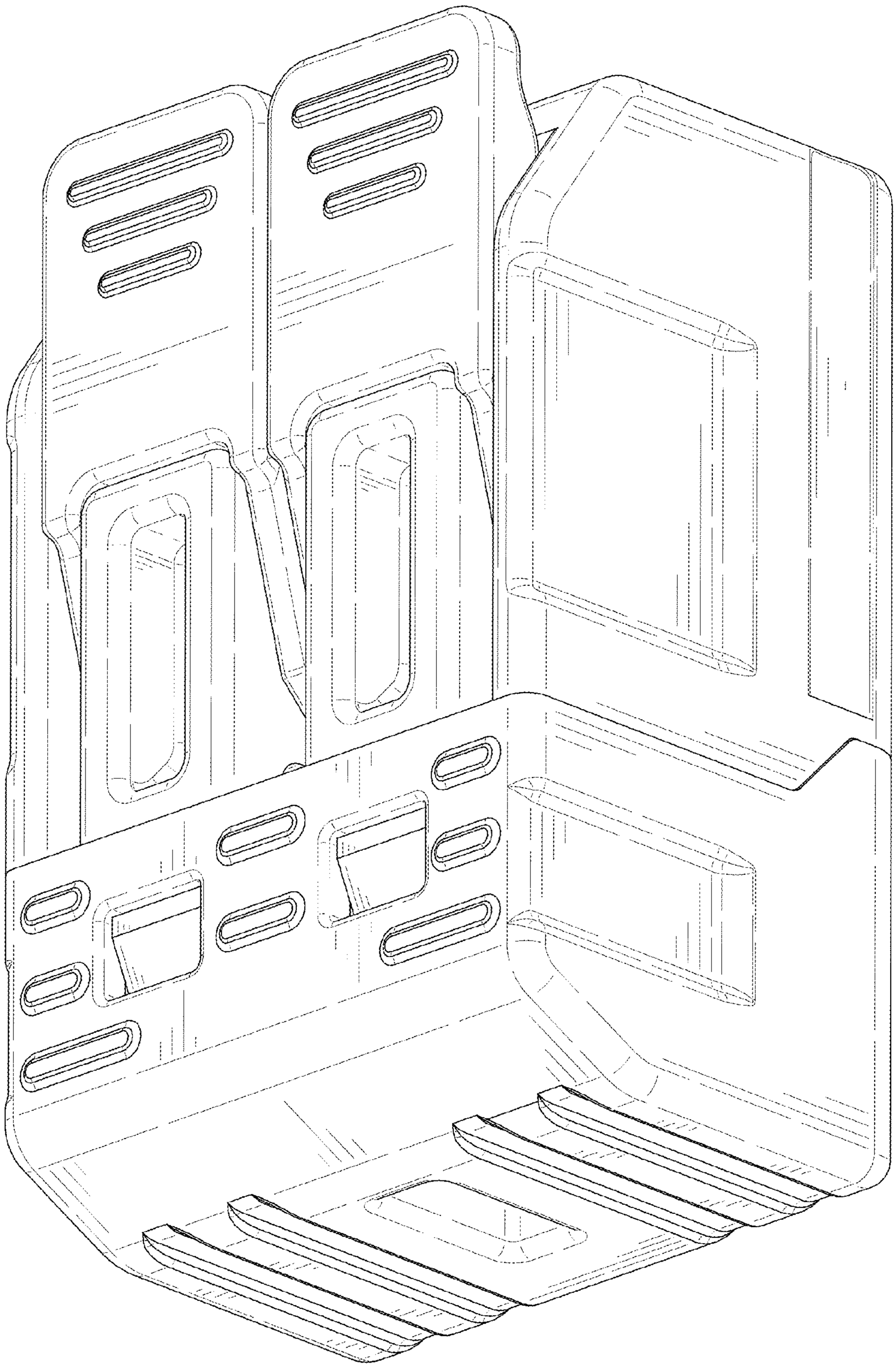


FIG. 1

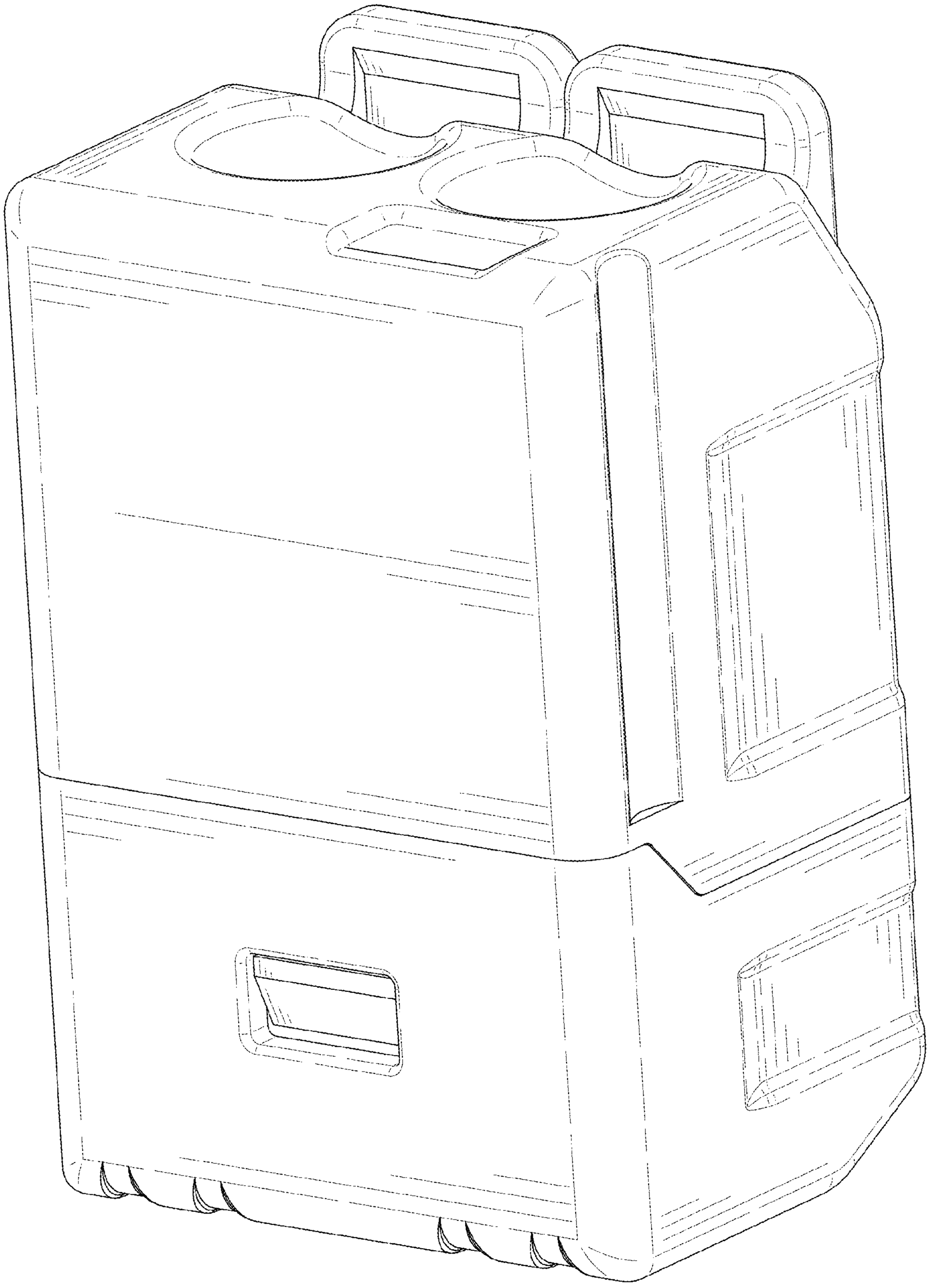


FIG. 2

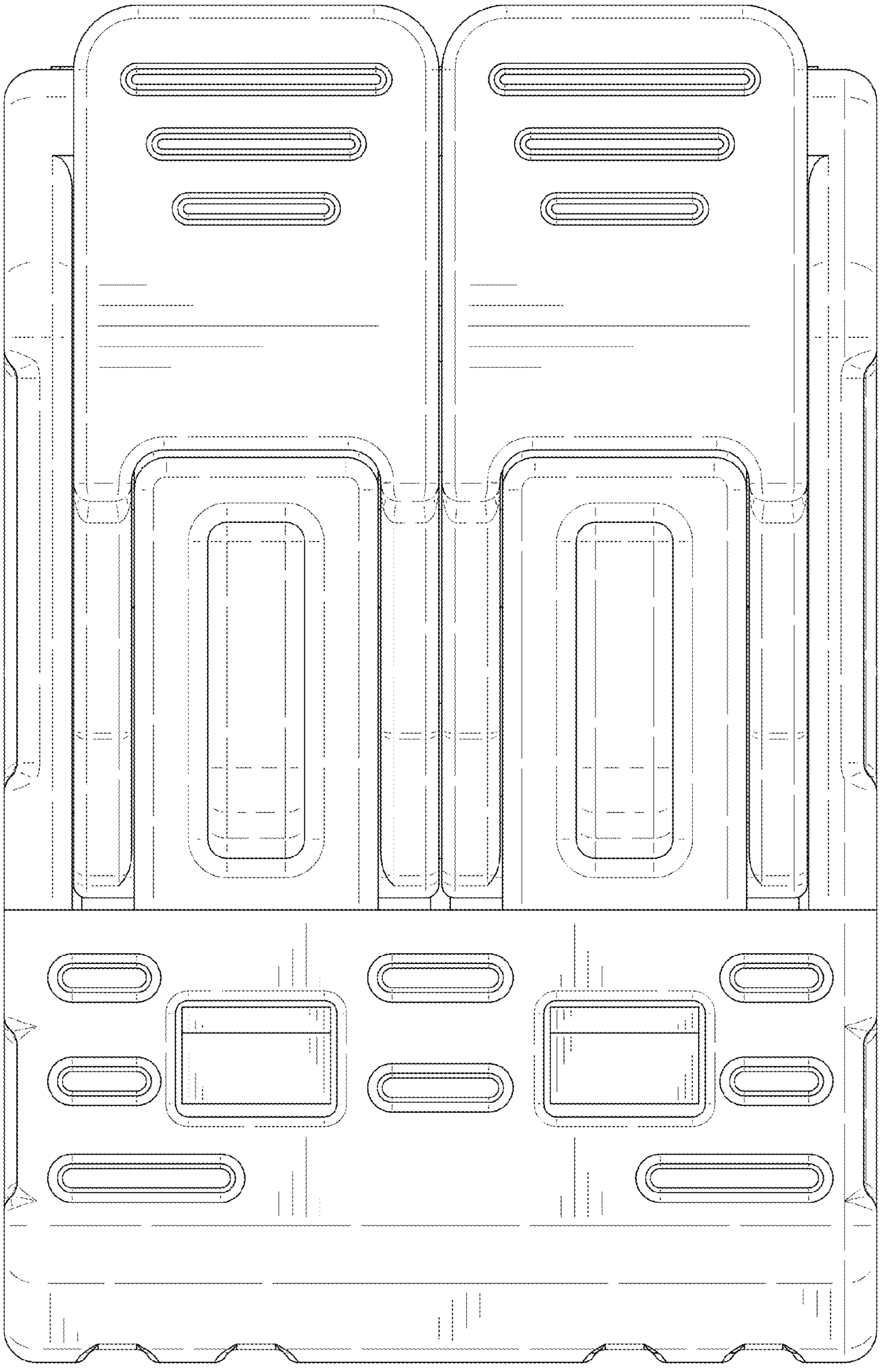


FIG. 3

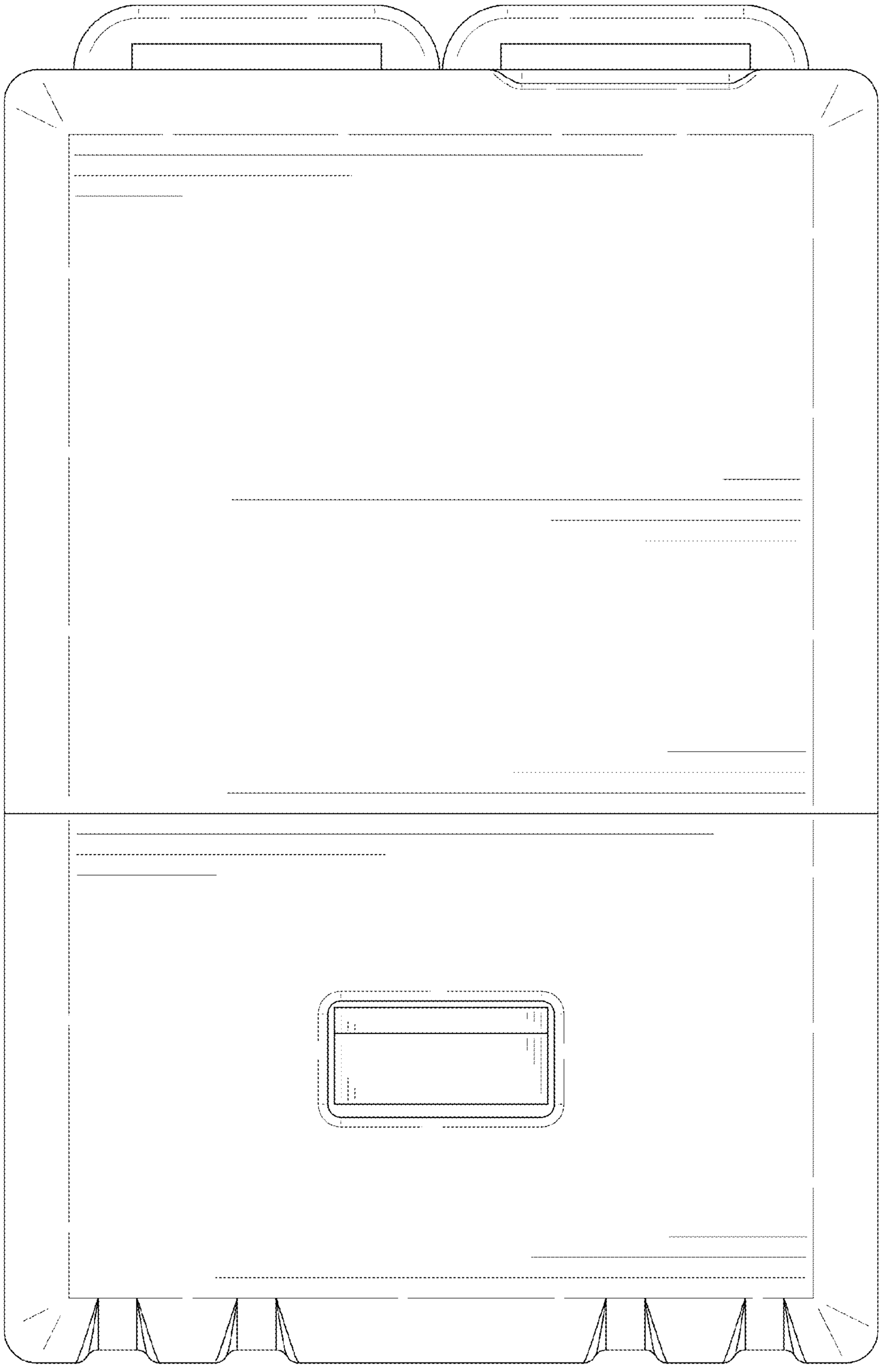


FIG. 4

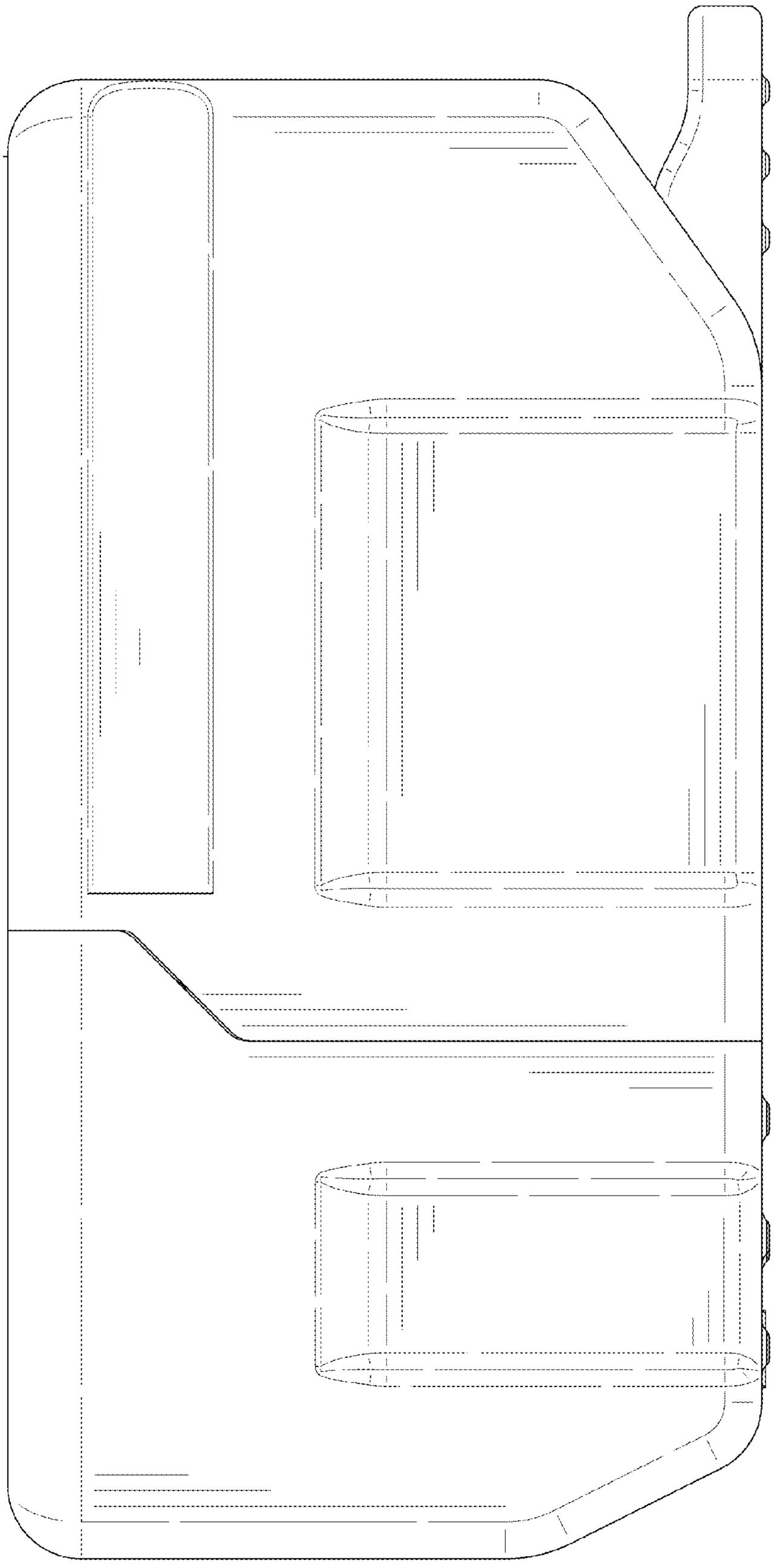


FIG. 5

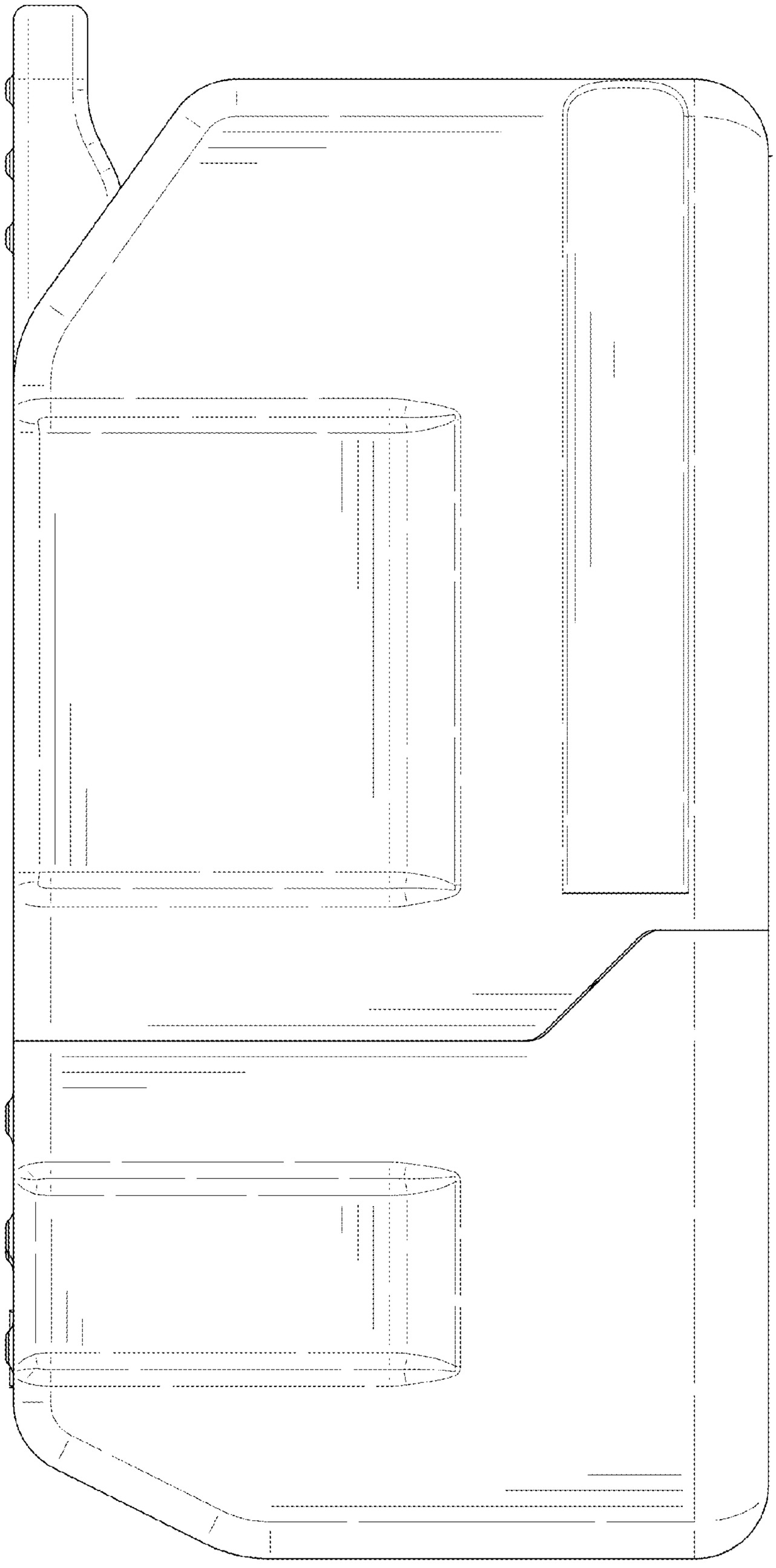


FIG. 6

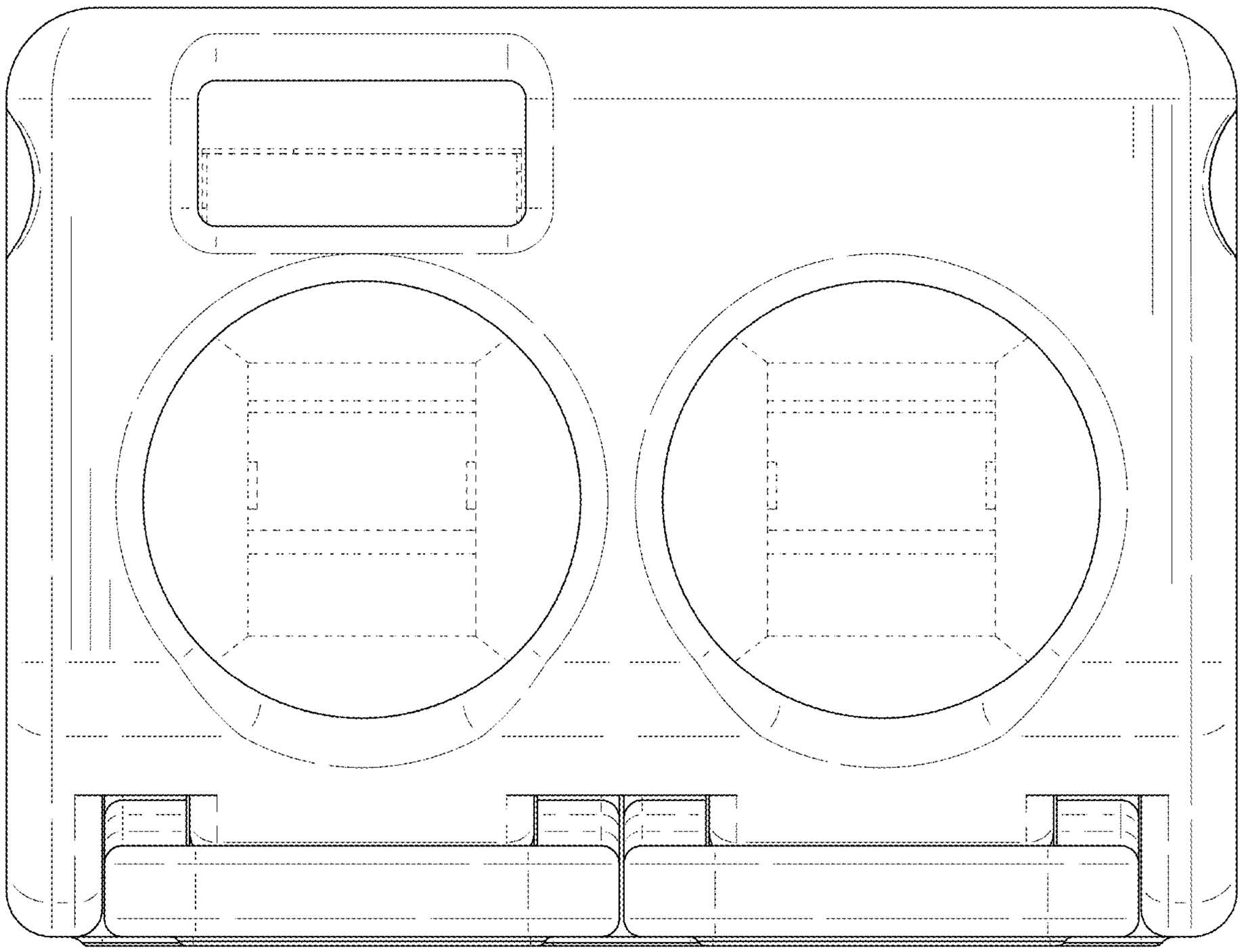


FIG. 7

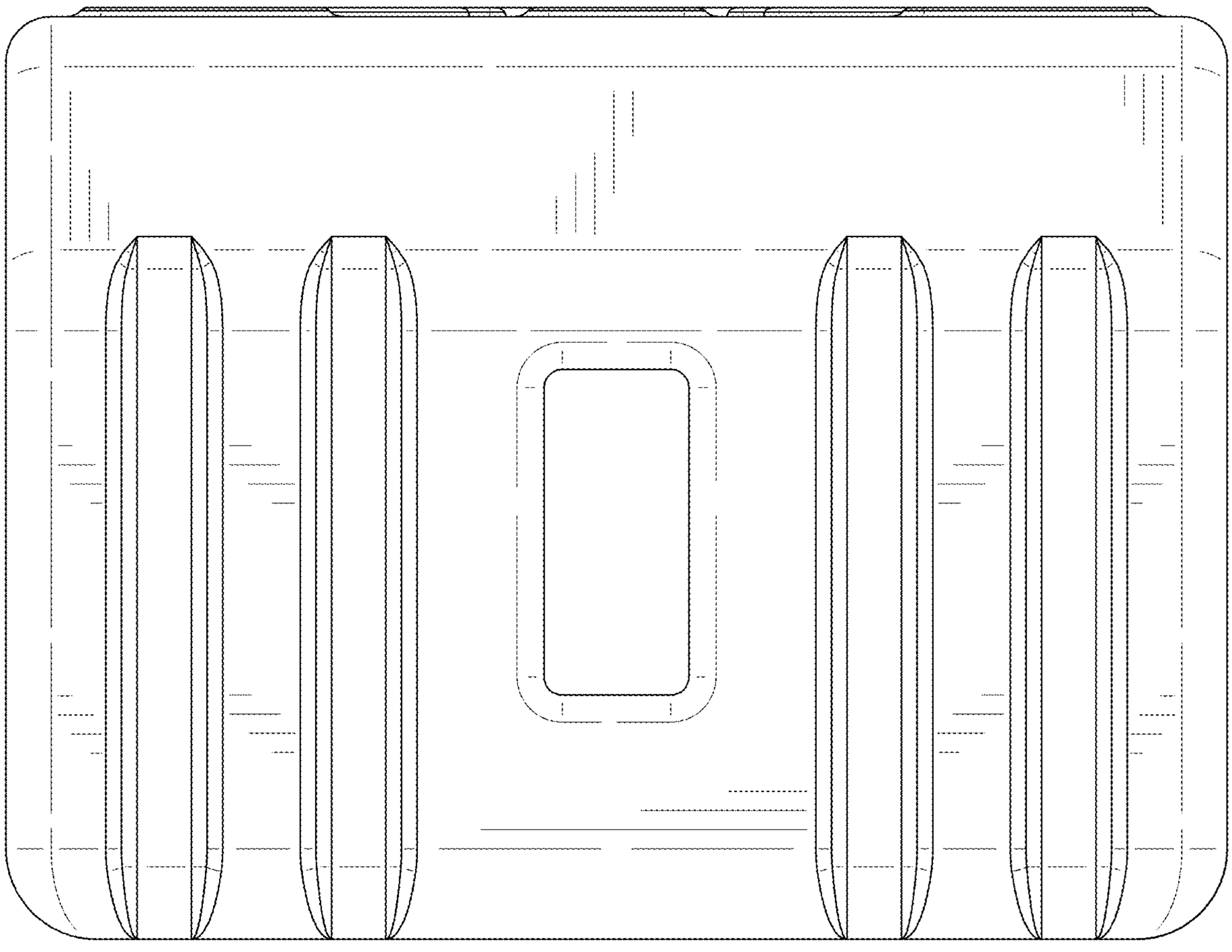


FIG. 8

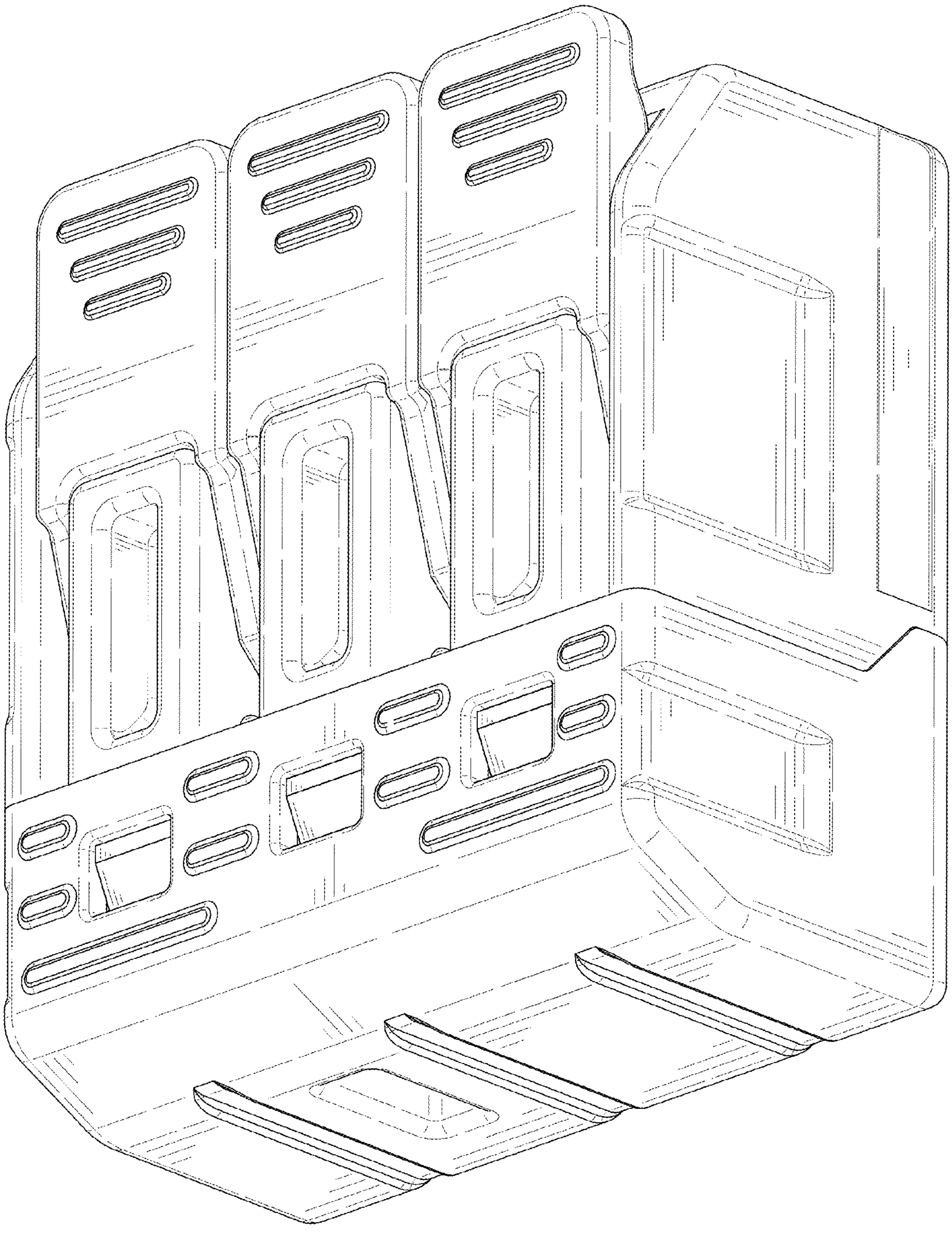


FIG. 9

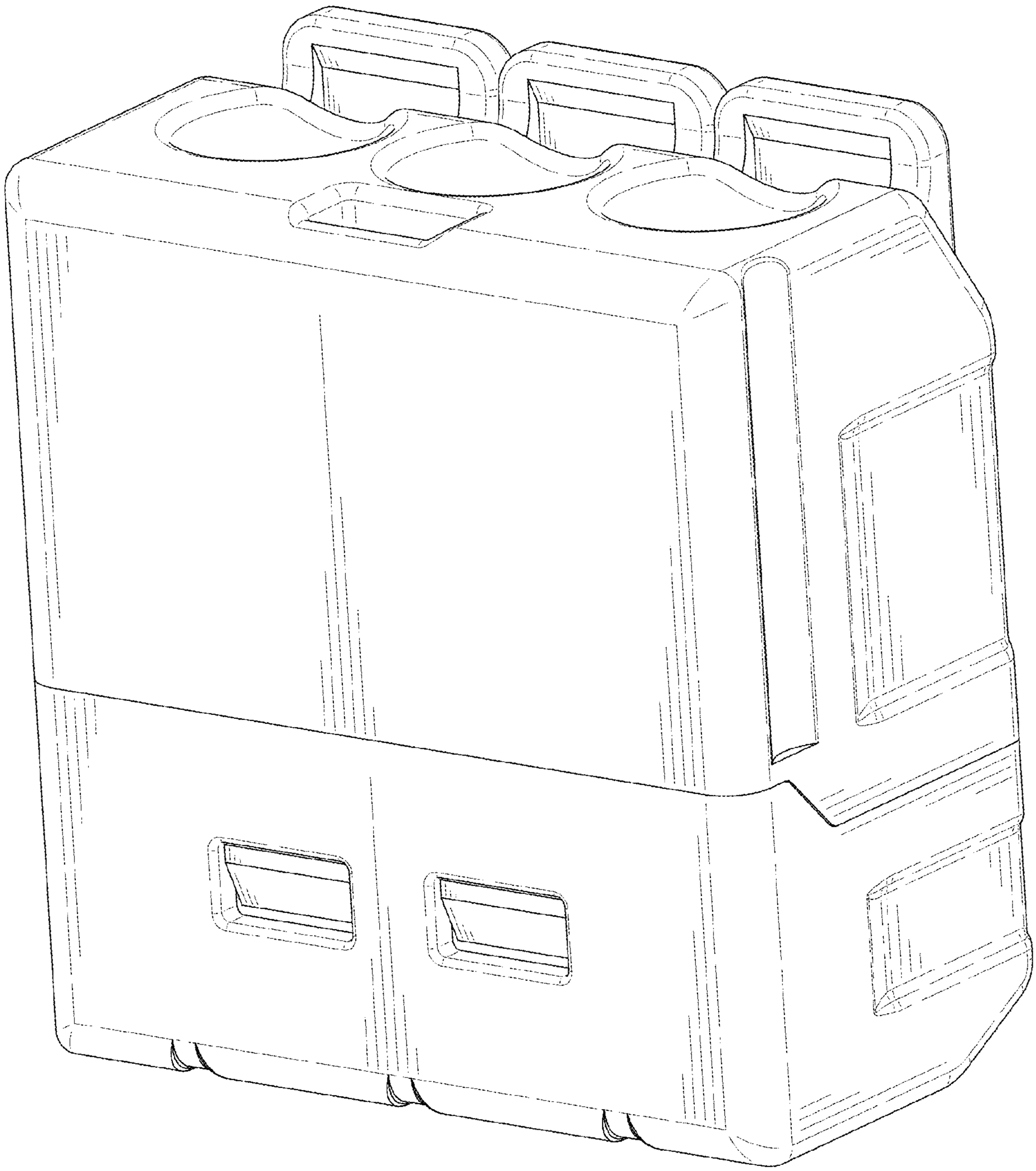


FIG. 10

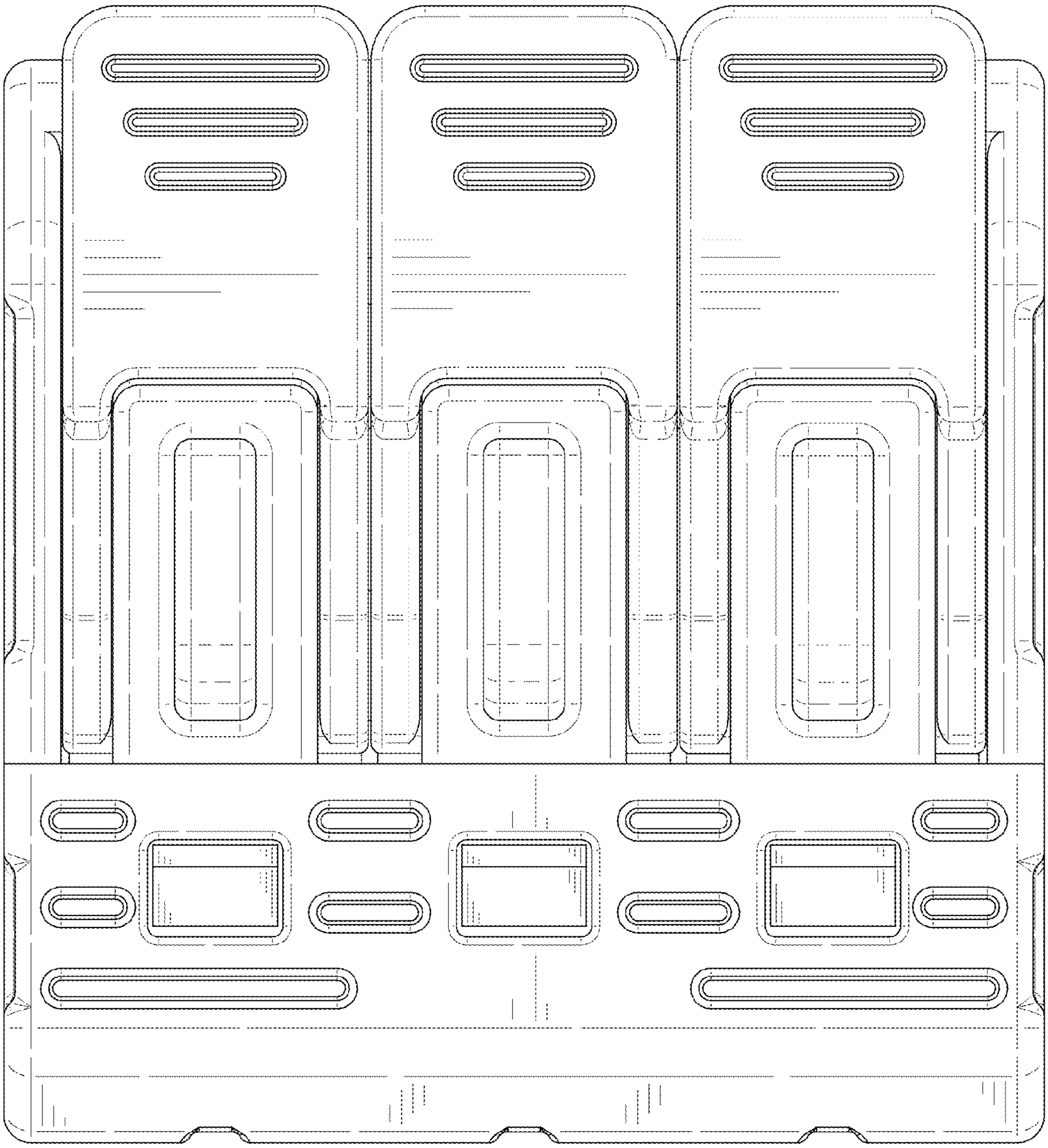


FIG. 11

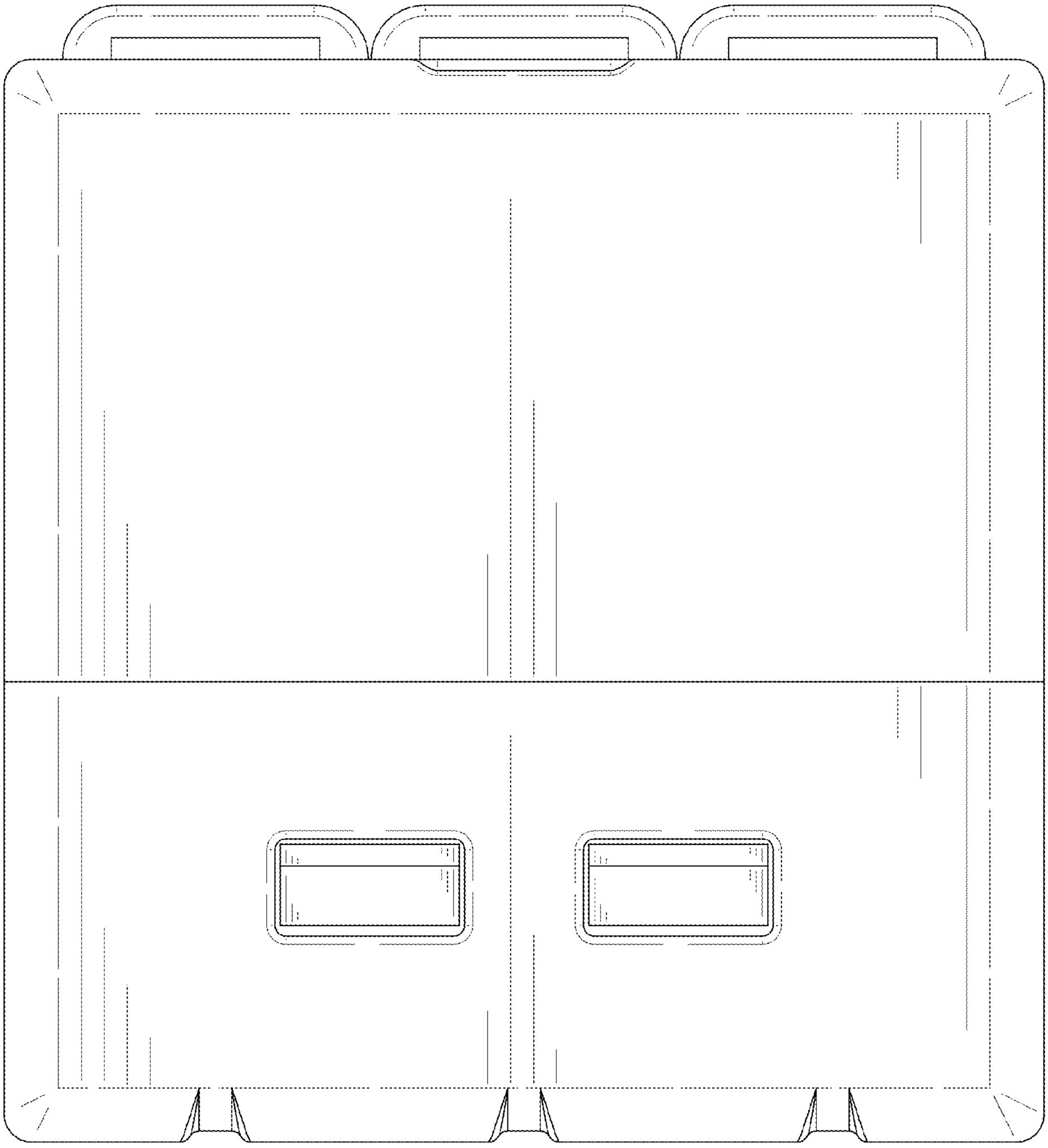


FIG. 12

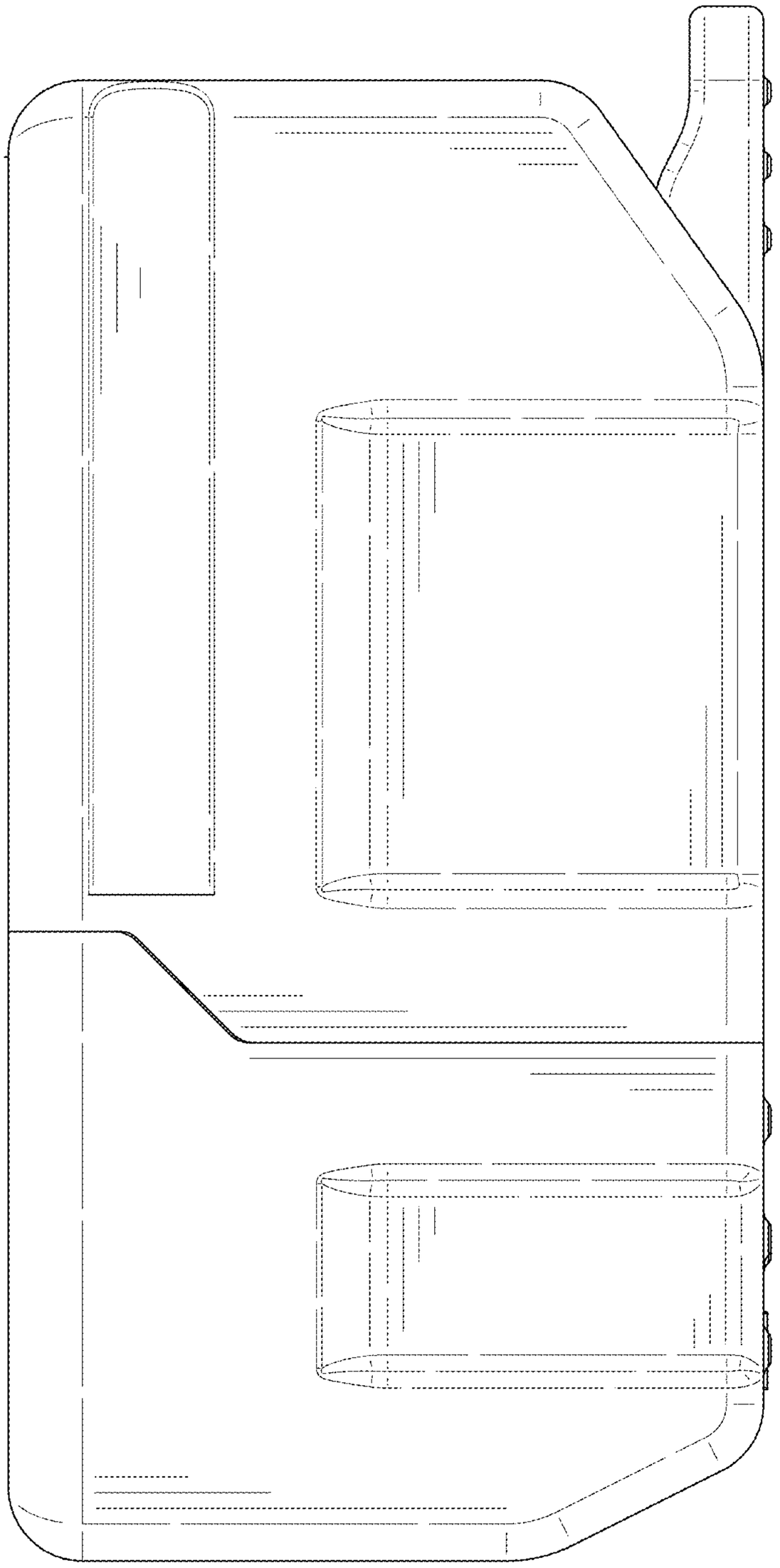


FIG. 13

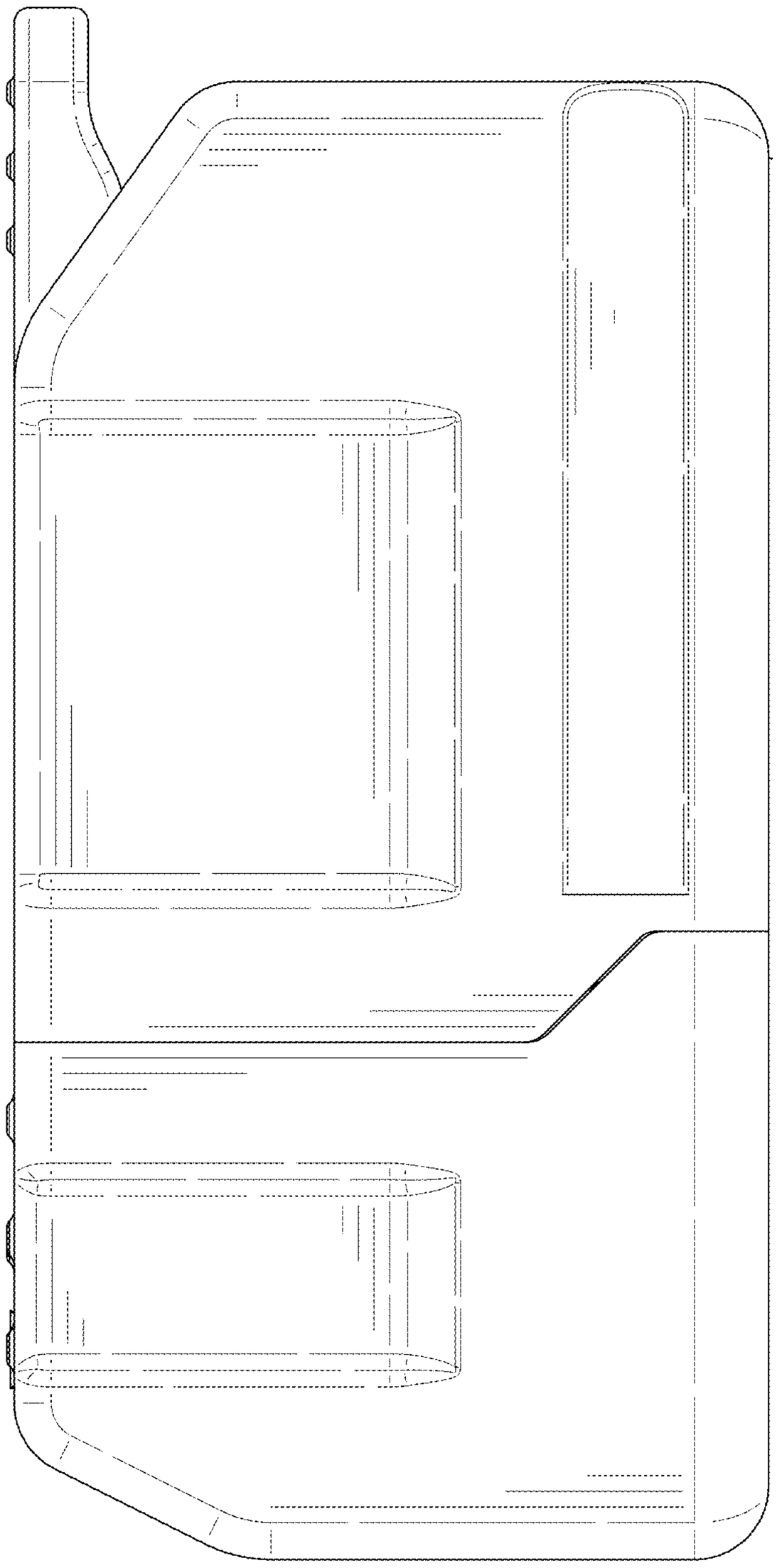


FIG. 14

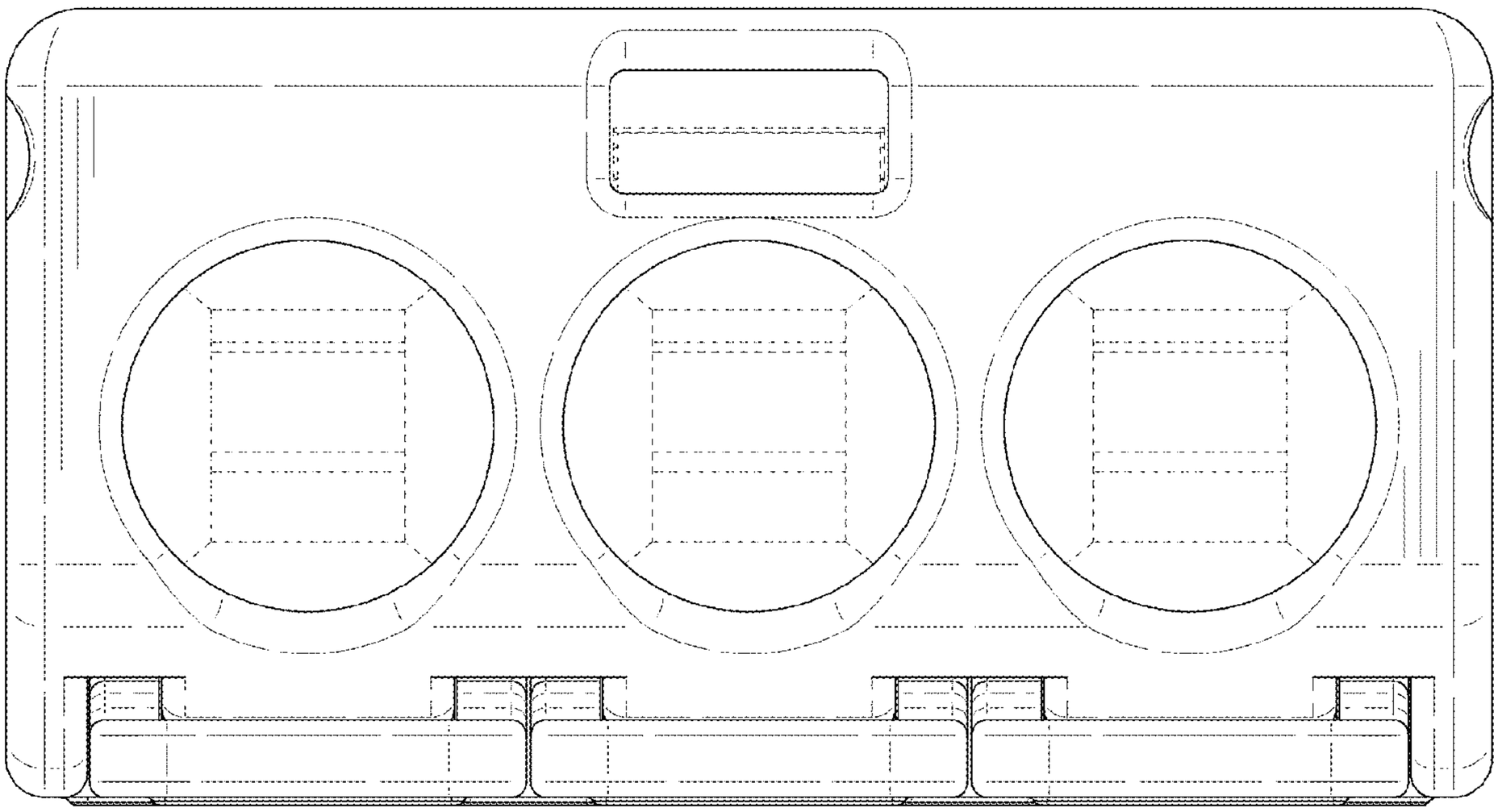


FIG. 15

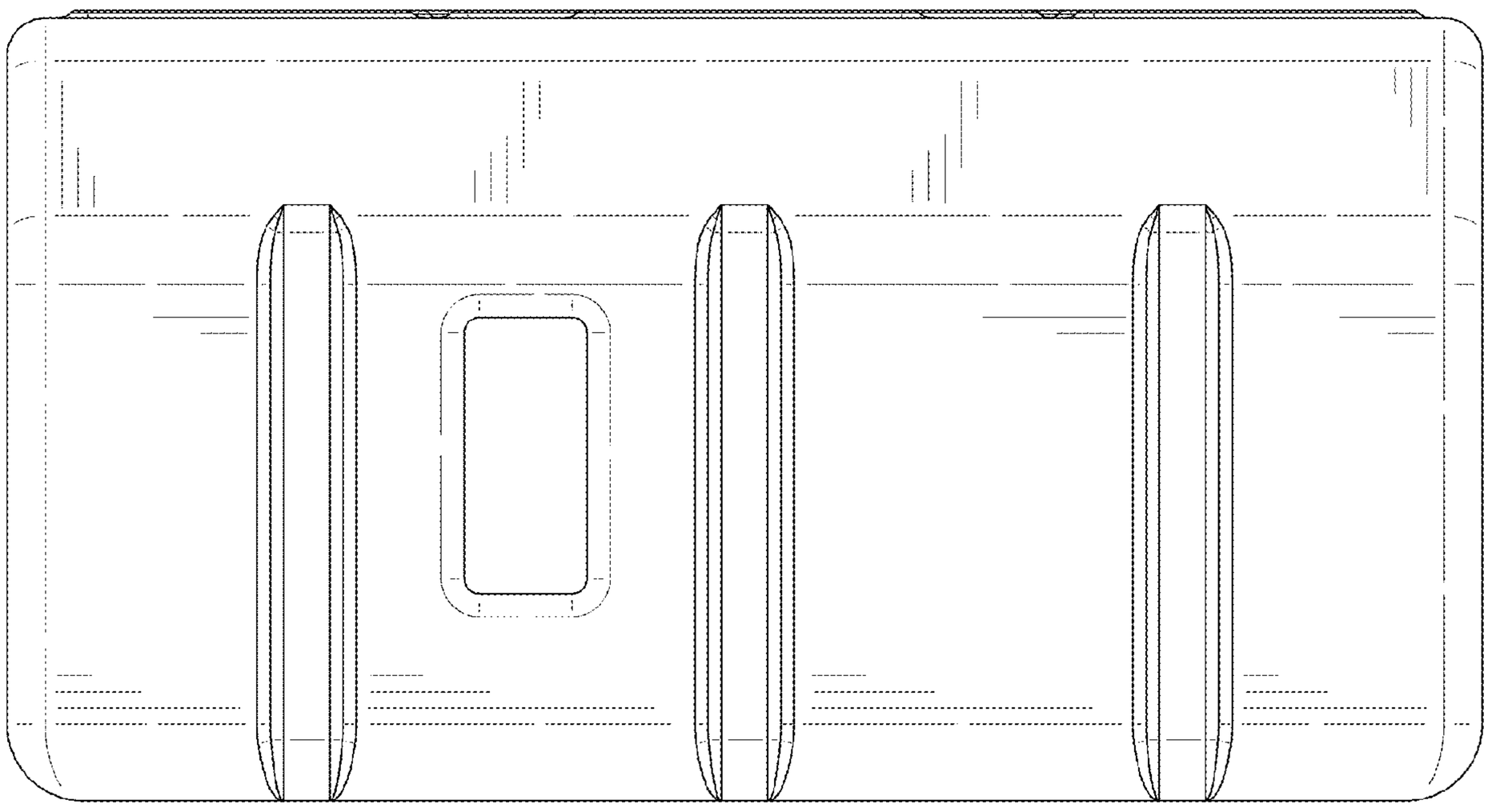


FIG. 16

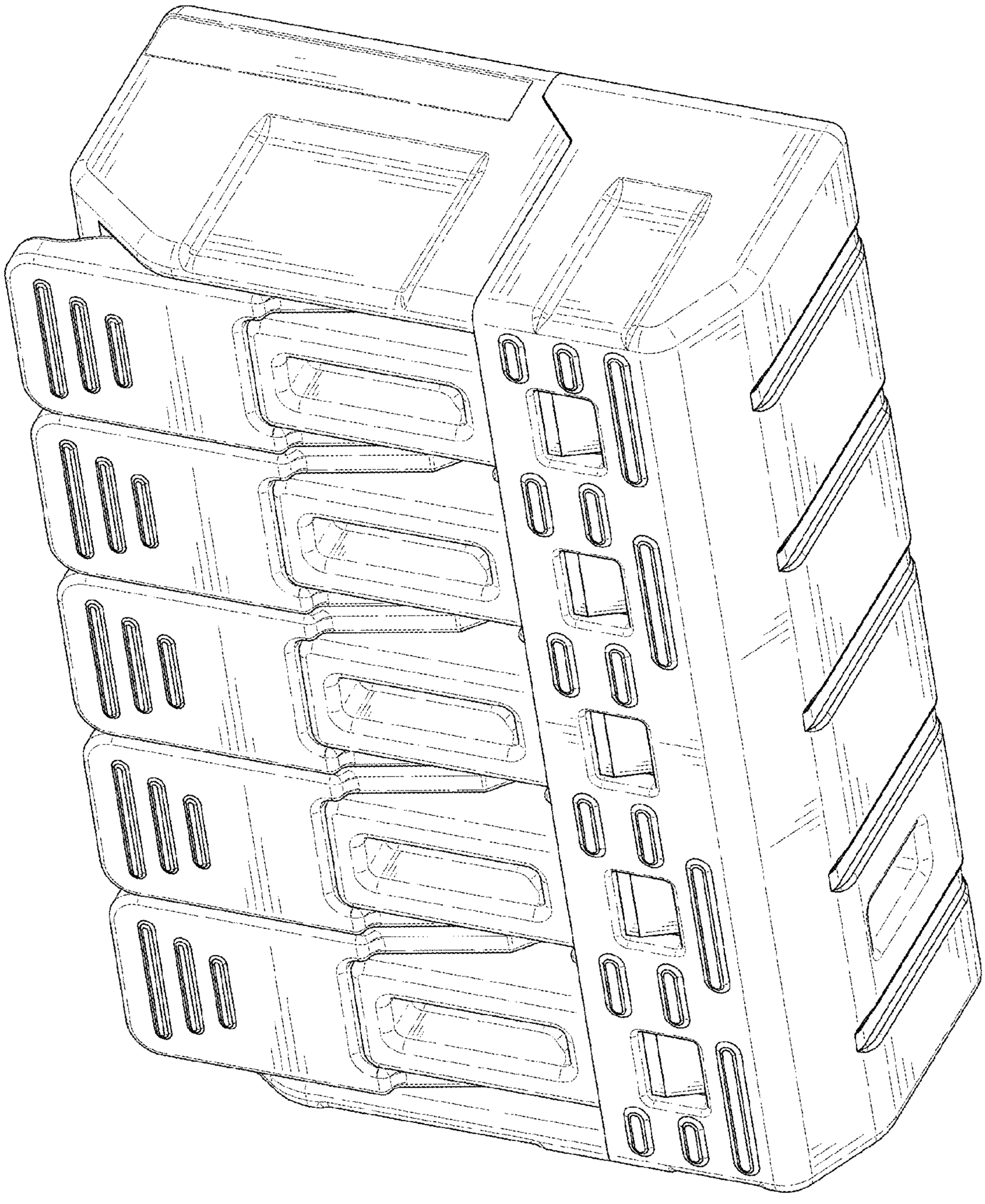


FIG. 17

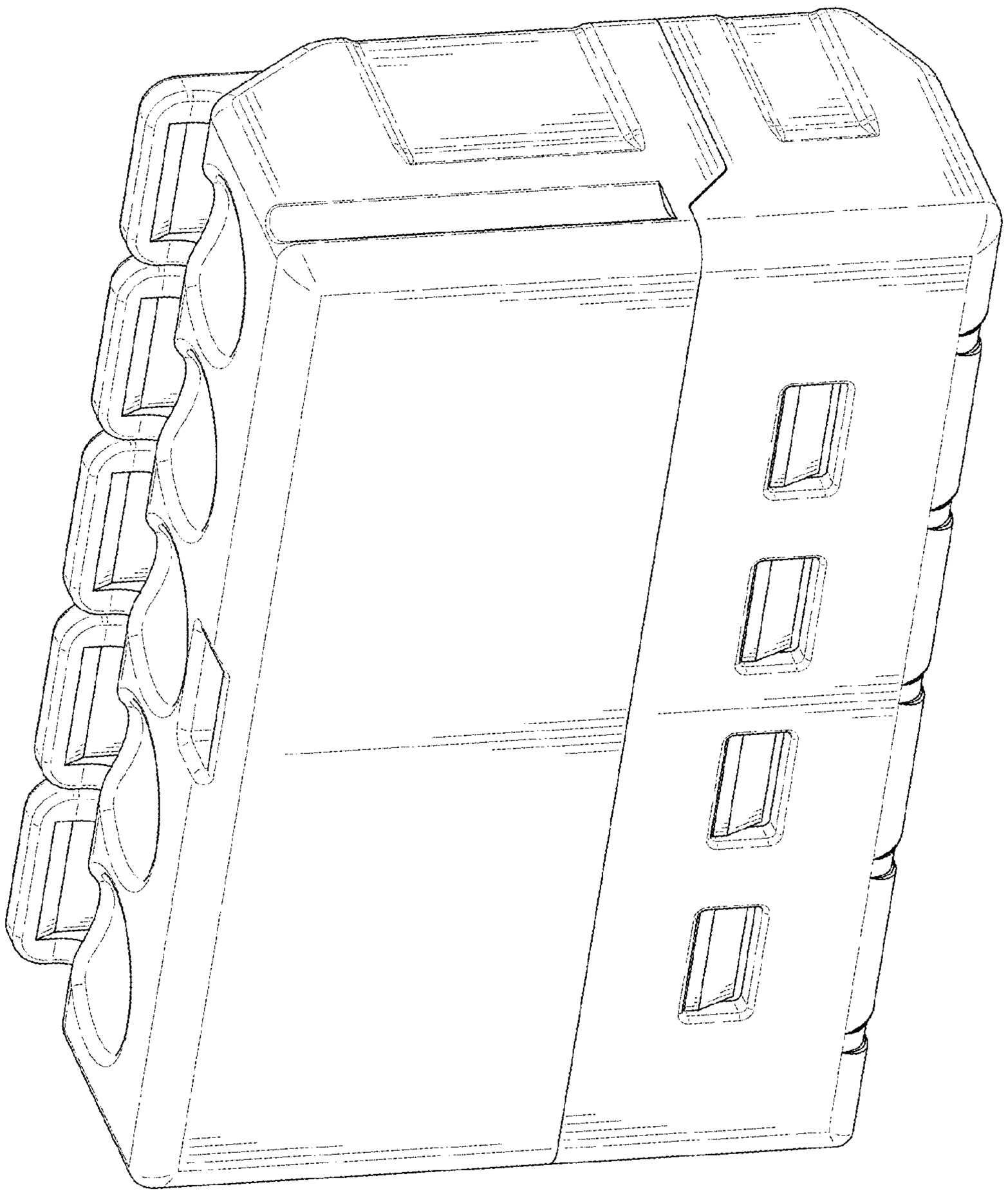


FIG. 18

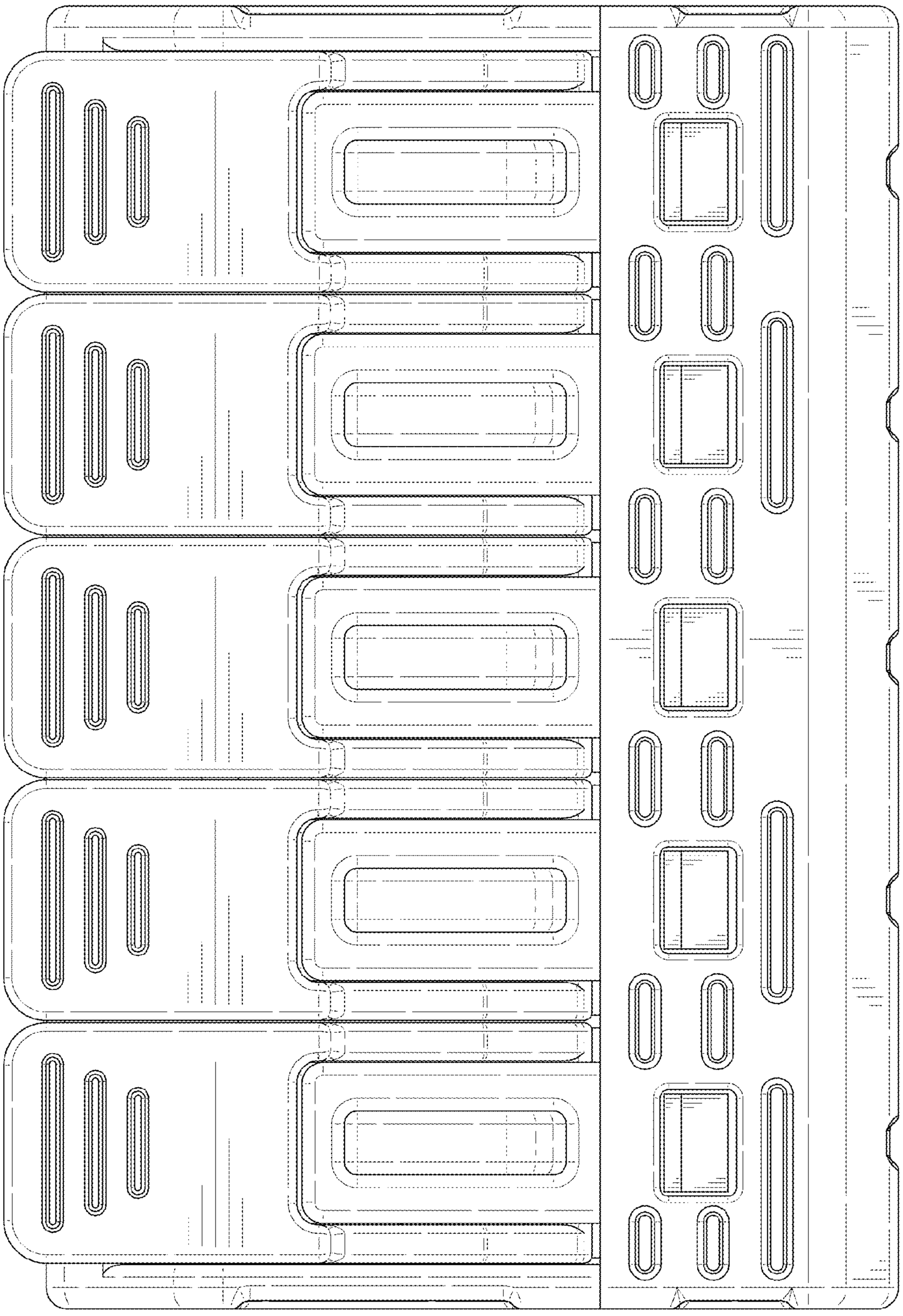


FIG. 19

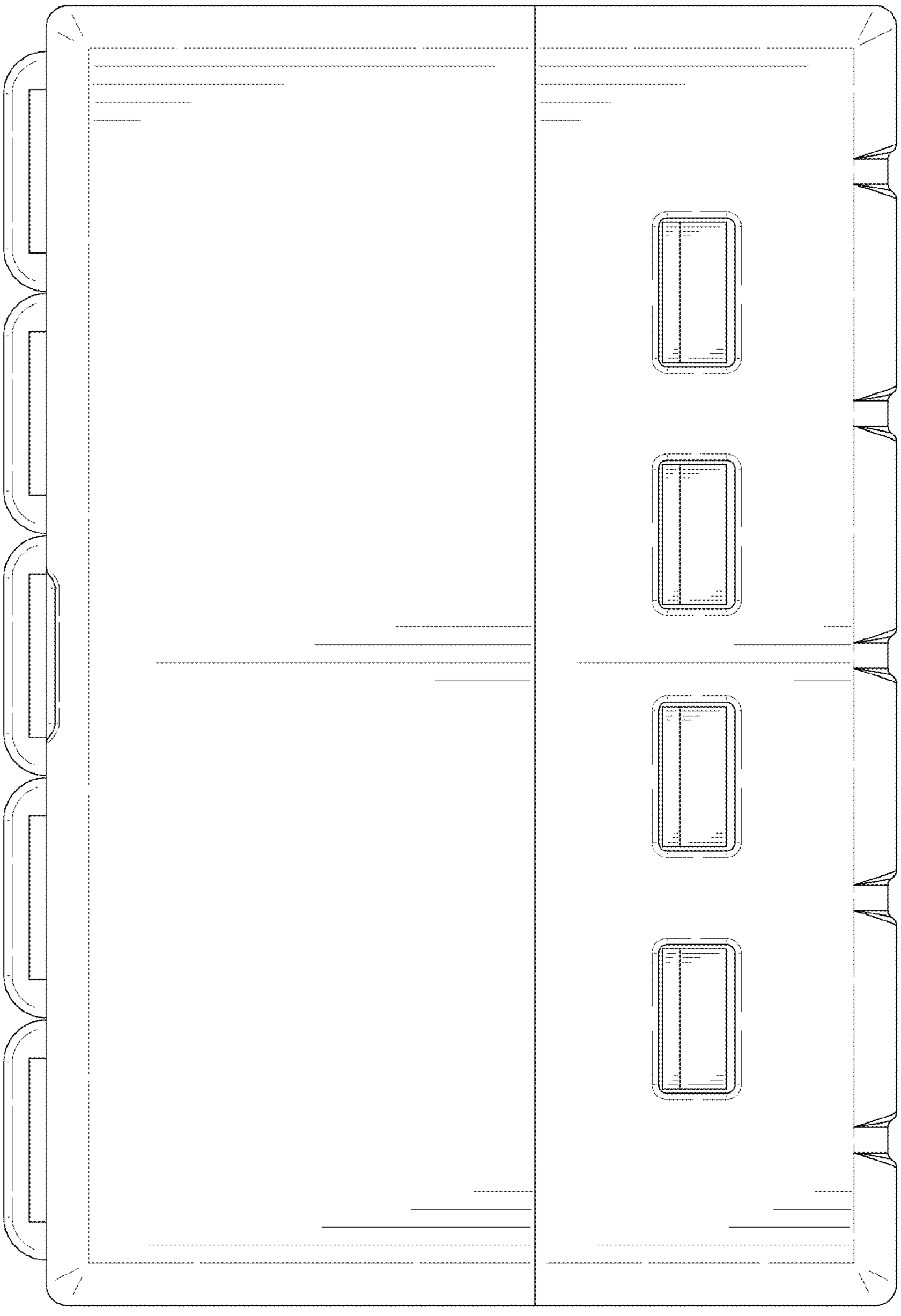


FIG. 20

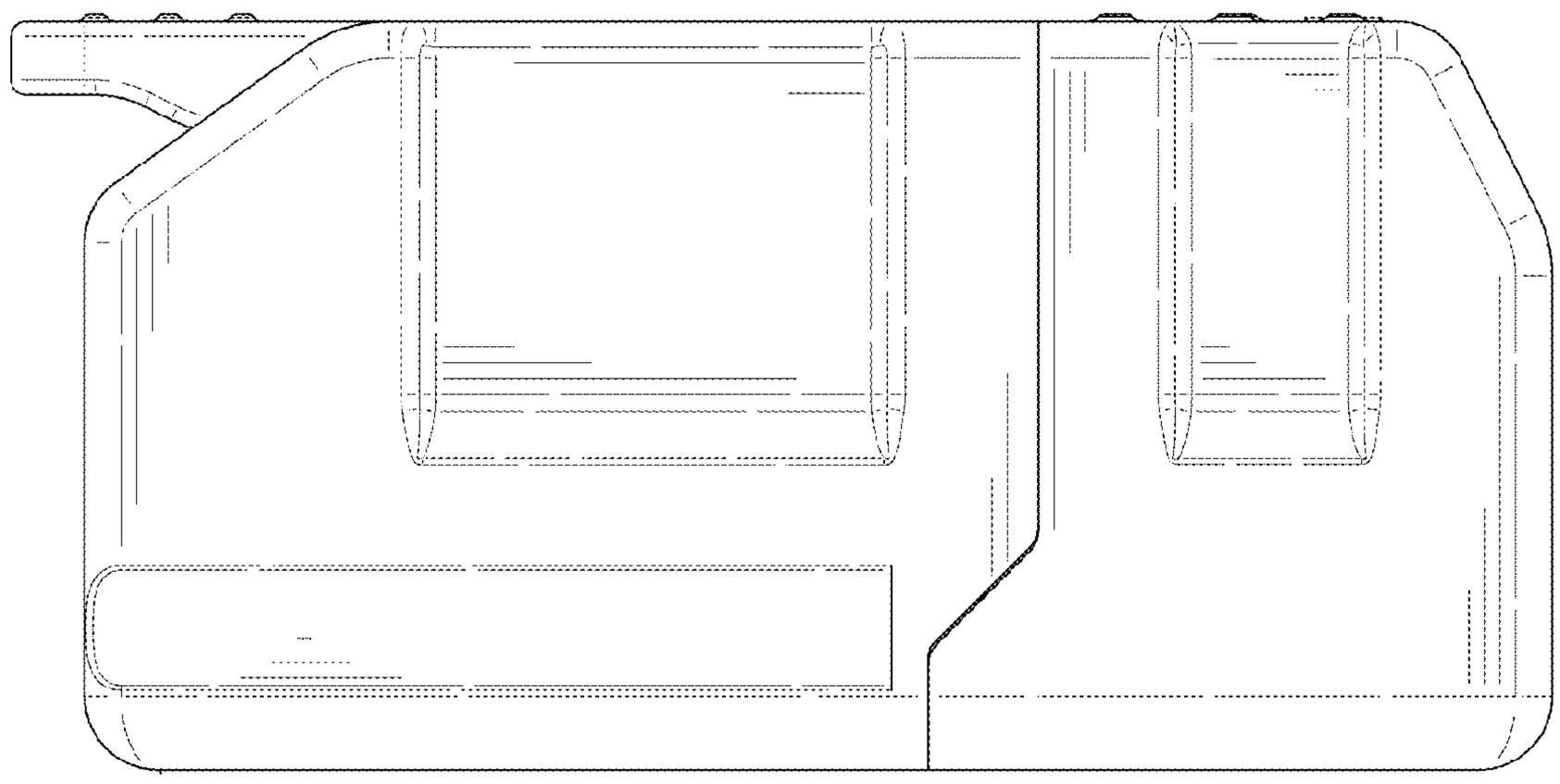


FIG. 21

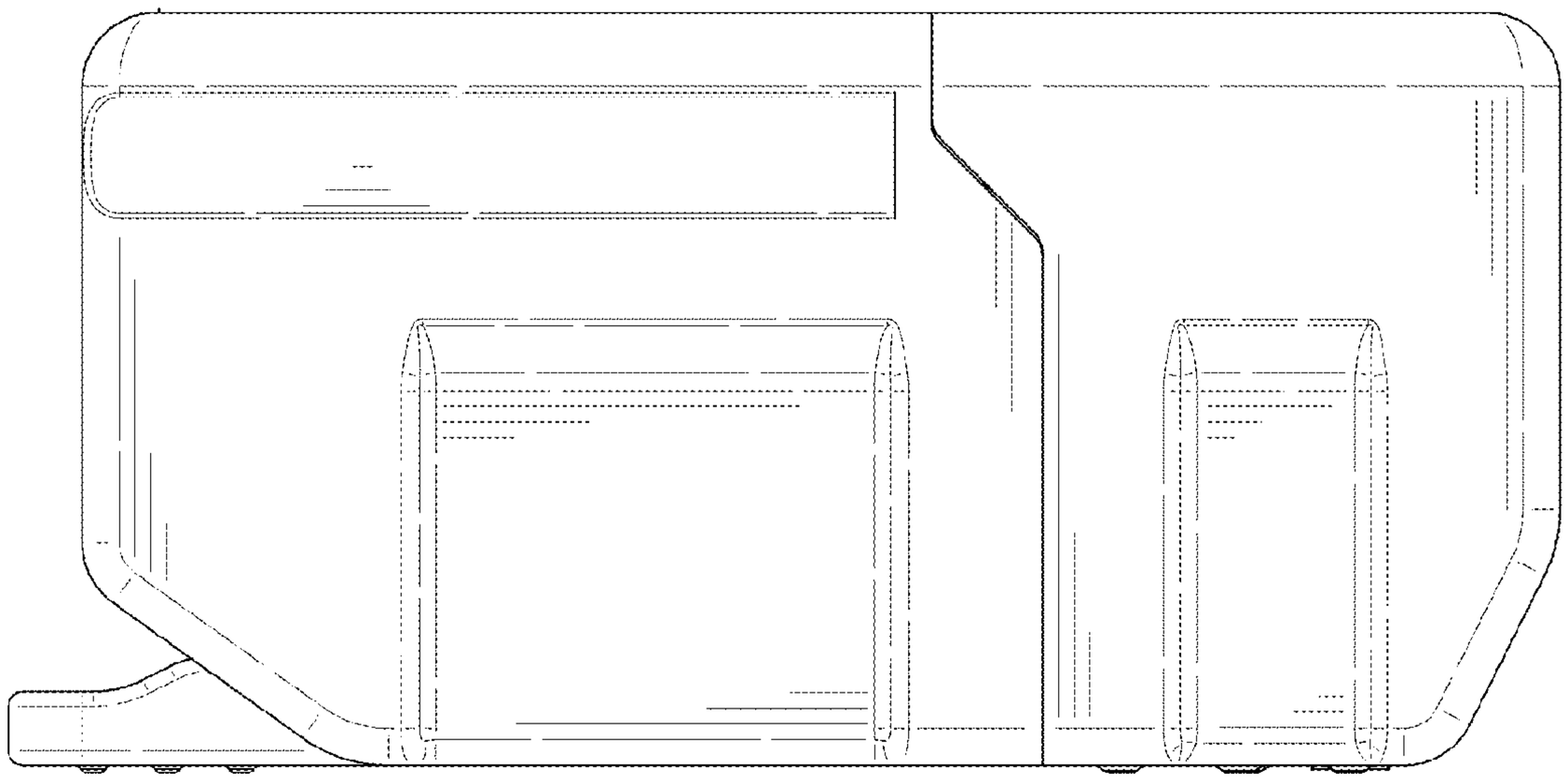


FIG. 22

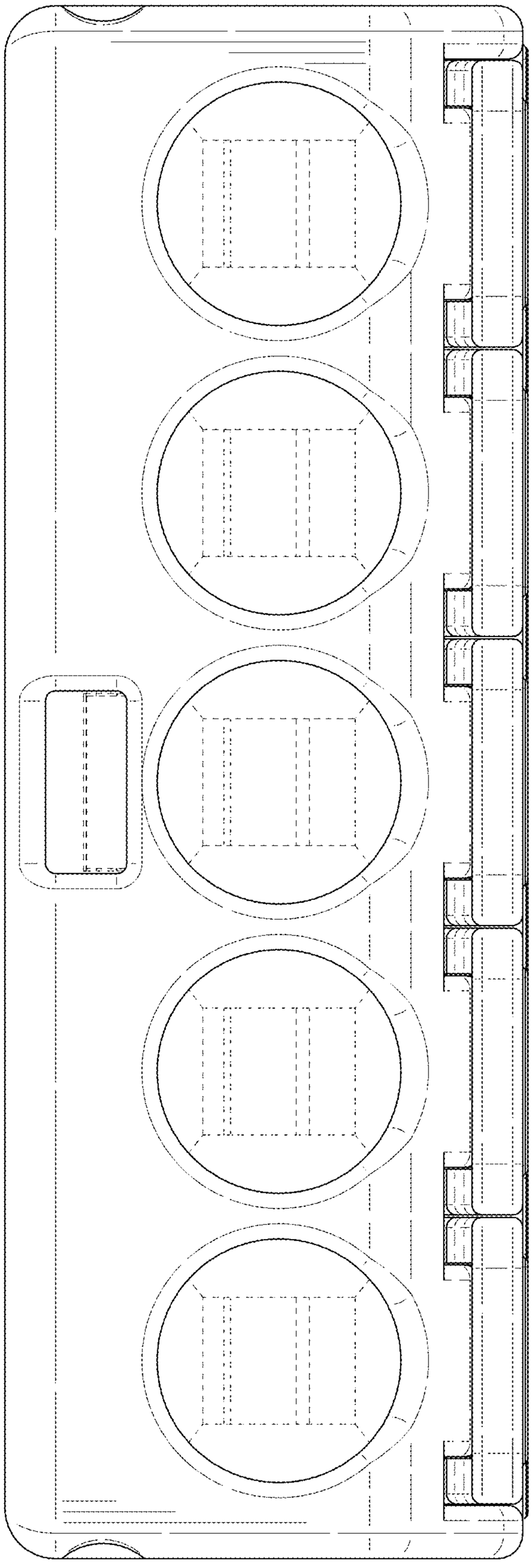


FIG. 23

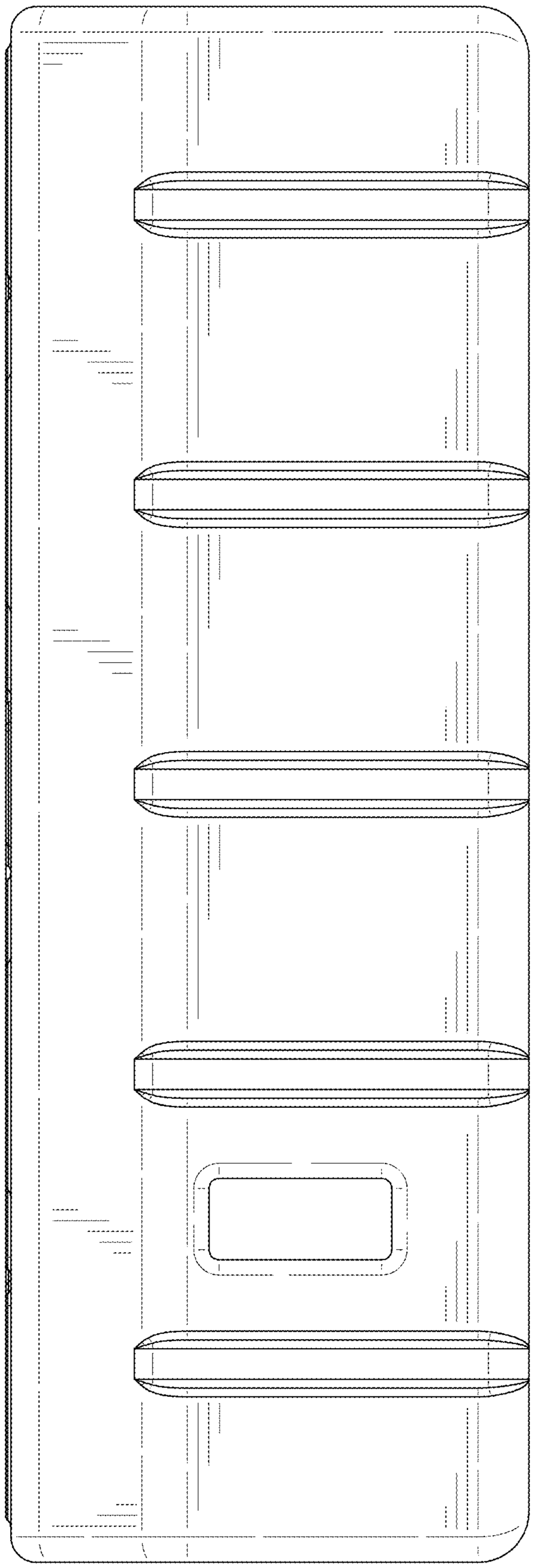


FIG. 24