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(12)

United States Design Patent

Bandura et al.

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(54) CONNECTOR

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- (**) Term: 15 Years
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- (58) Field of Classification Search USPC D13/133, 110, 146, 147, 154, 156, 184, D13/123, 199, 107 CPC H01R 13/52; H01R 12/70; H01R 12/7076; H01R 12/716; H01R 13/11; H01R 13/10; H01R 13/14; H01R 13/052; H01R 13/111; G02B 6/38 See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D558,144 S	*	12/2007	Chien	D13/133
D575,232 S	*	8/2008	Chiang	D13/133
D640,986 S	*	7/2011	Gong	D13/154
D867,298 S	*	11/2019	Joniak	D13/146
D876,363 S		2/2020	Joniak	
D907,580 S	*	1/2021	Asano	D13/147
D915,285 S	*	4/2021	Oosaka	D13/133
D936,018 S	*	11/2021	Lu	D13/133
D1,043,583 S	*	9/2024	Bandura	D13/133
D1,043,585 S	*	9/2024	Bandura	D13/133

(Continued)

FOREIGN PATENT DOCUMENTS

CN	307222909	*	4/2022
CN	308314874	*	11/2023
JP	2021005565 A		1/2021

(Continued)

OTHER PUBLICATIONS

Sentrality 6.00mm Right-Angle Socket Assembly Part 2204131010 Molex. Date: Not Listed. [online]. [Site visited Dec. 17, 2024]. Available from Internet URL: <https://www.molex.com/en-us/products/part-detail/2204131010> (Year: 2024).*

(Continued)

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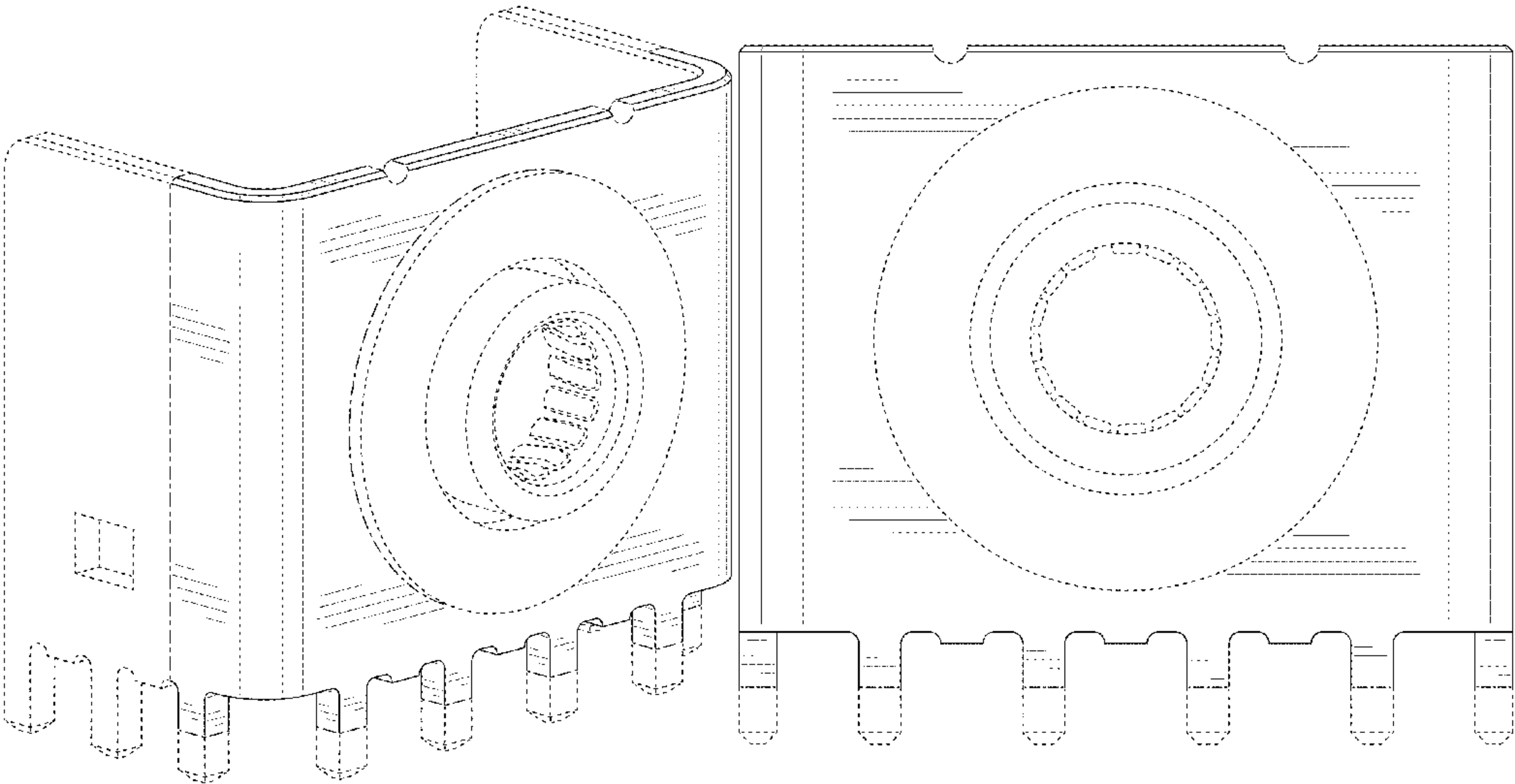
(57) CLAIM

The ornamental design for a connector as shown and described.

DESCRIPTION

FIG. 1 is a front top perspective view of a connector showing our new design;
FIG. 2 is a front bottom perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top view thereof; and,
FIG. 8 is a bottom view thereof.
The uneven-length broken lines immediately adjacent to the shaded areas define the bounds of the claimed design and form no part thereof. The even-length broken lines depicting the remainder of the connector form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D1,044,730 S * 10/2024 Bandura D13/133
2023/0170636 A1 * 6/2023 Zhang H01R 13/111
439/248

FOREIGN PATENT DOCUMENTS

KR 1148777 S 1/2022
TW D218895 S 5/2022

OTHER PUBLICATIONS

Sentrality Right-Angle Pin and Socket Interconnects—Adding 6mm and 8mm. Date: Not Listed. [online]. [Site visited Dec. 17, 2024]. Available from Internet URL: www.tyd-ele.com/52/i-2986.html (Year: 2024).*

Superbat BNC Connector BNC Female Bulkhead Solder PCB Mount Right Angle Connector. Date: Mar. 9, 2022. [online]. [Site visited Dec. 17, 2024]. Available from Internet URL: <https://www.amazon.com/dp/B09V56M8F4/?th=1> (Year: 2022).*

* cited by examiner

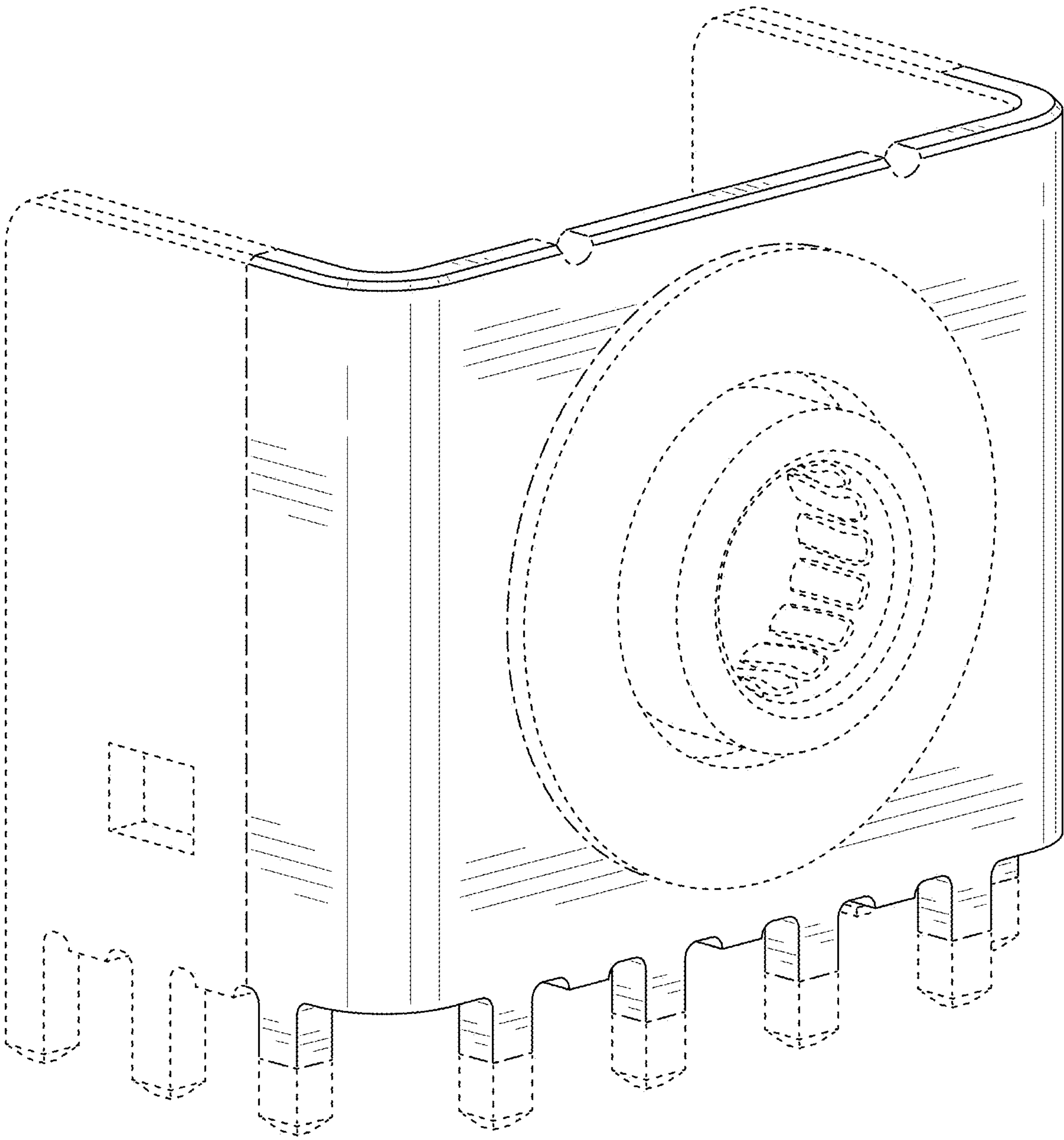


FIG. 1

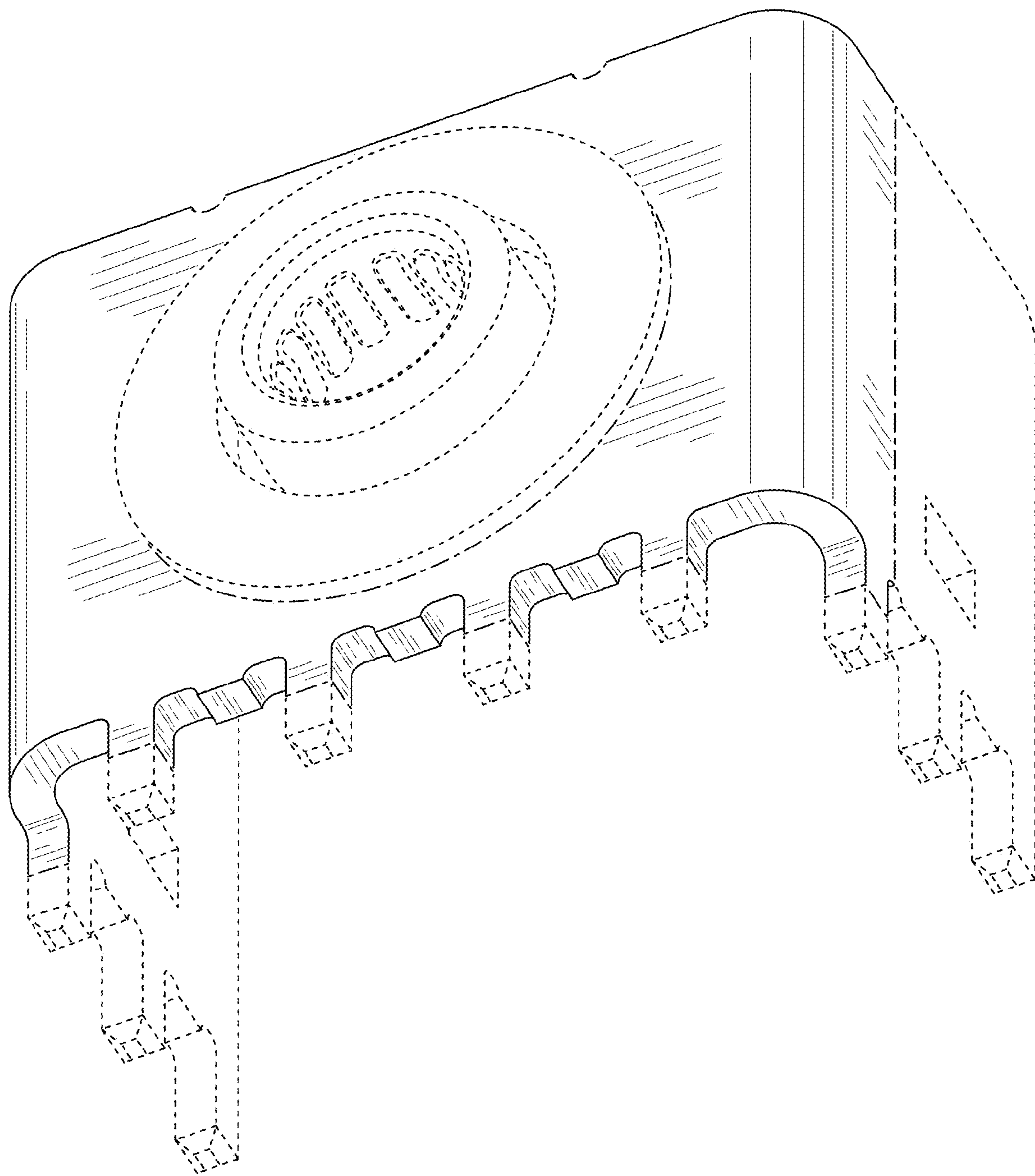


FIG. 2

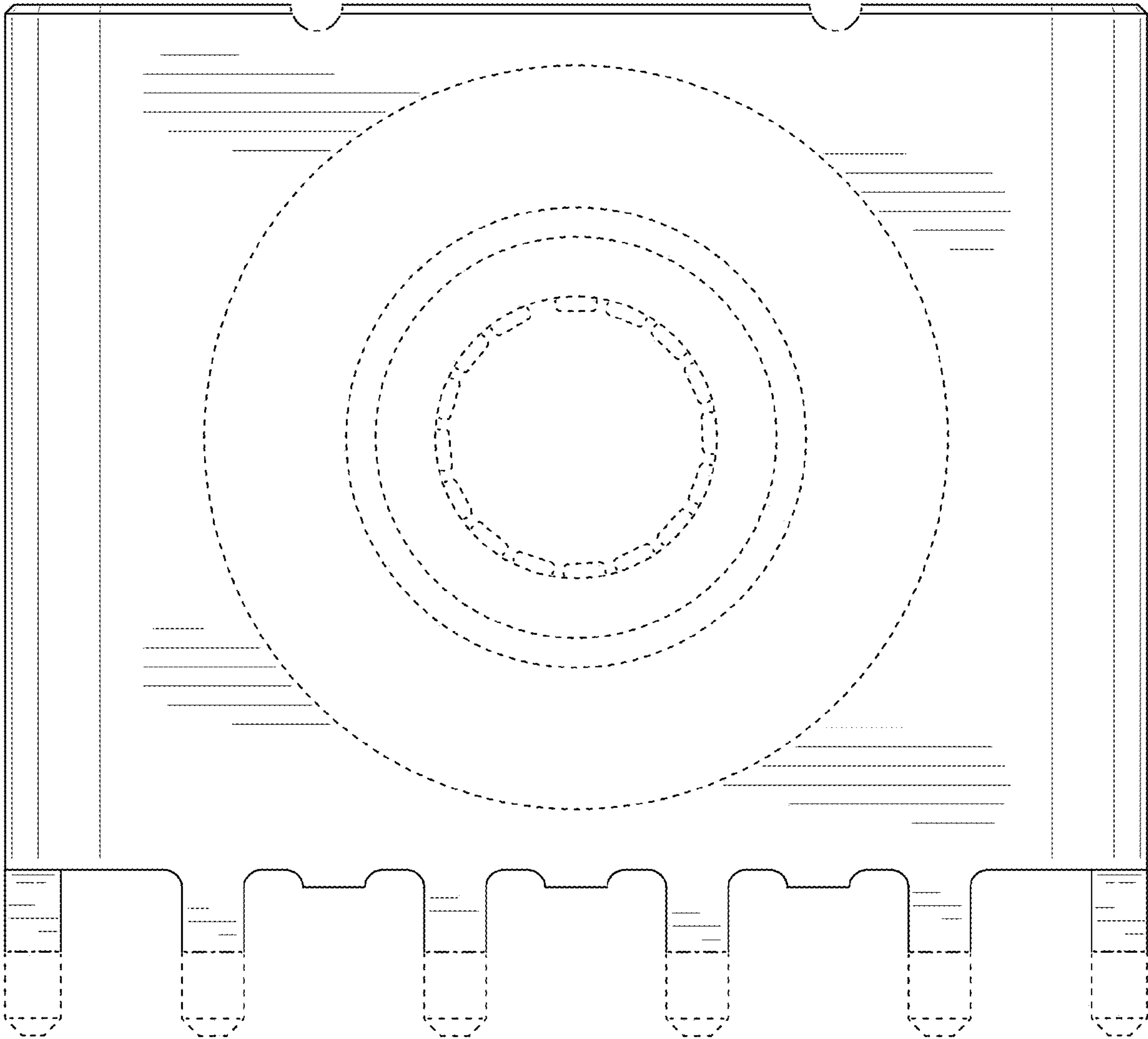


FIG. 3

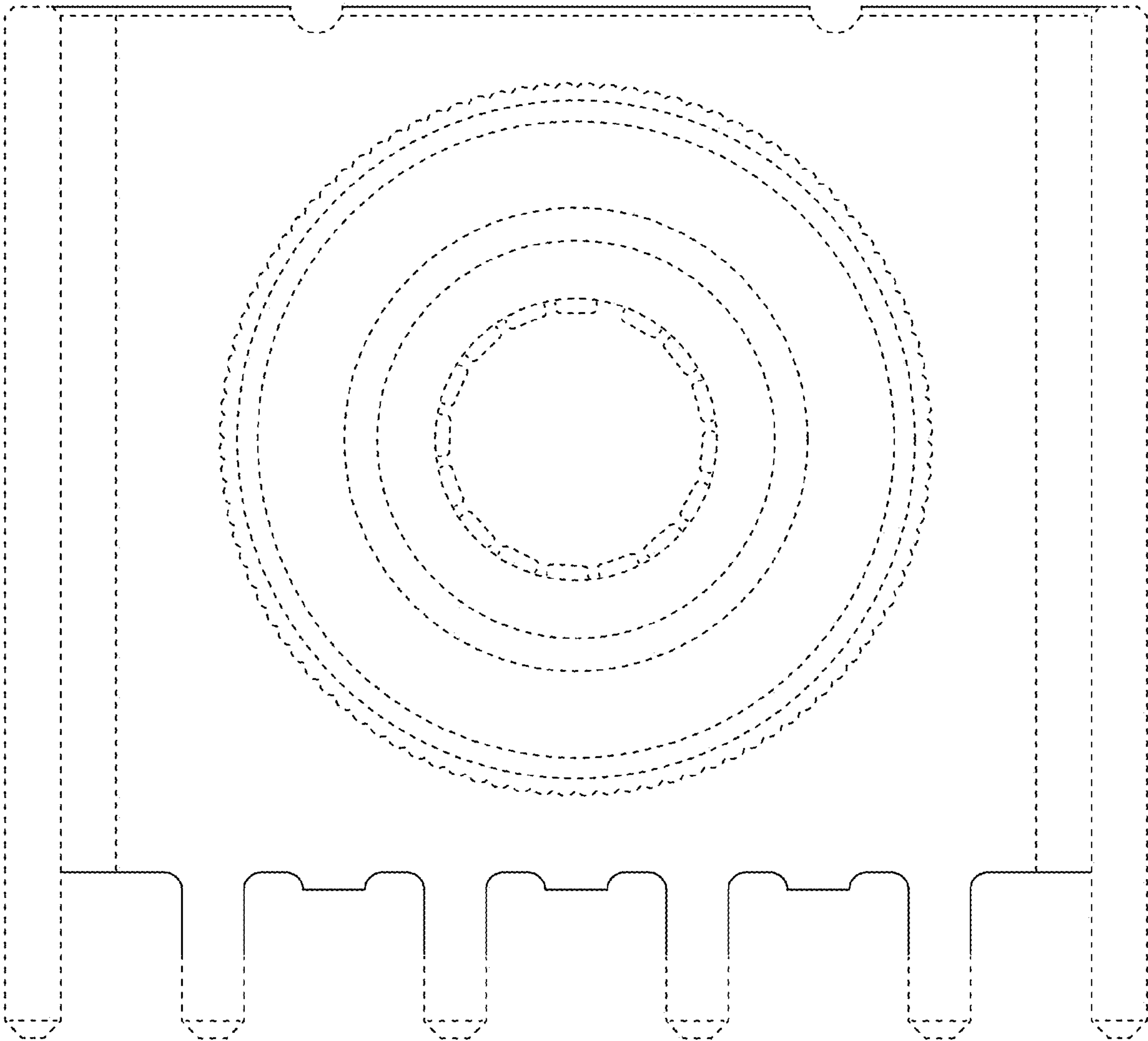


FIG. 4

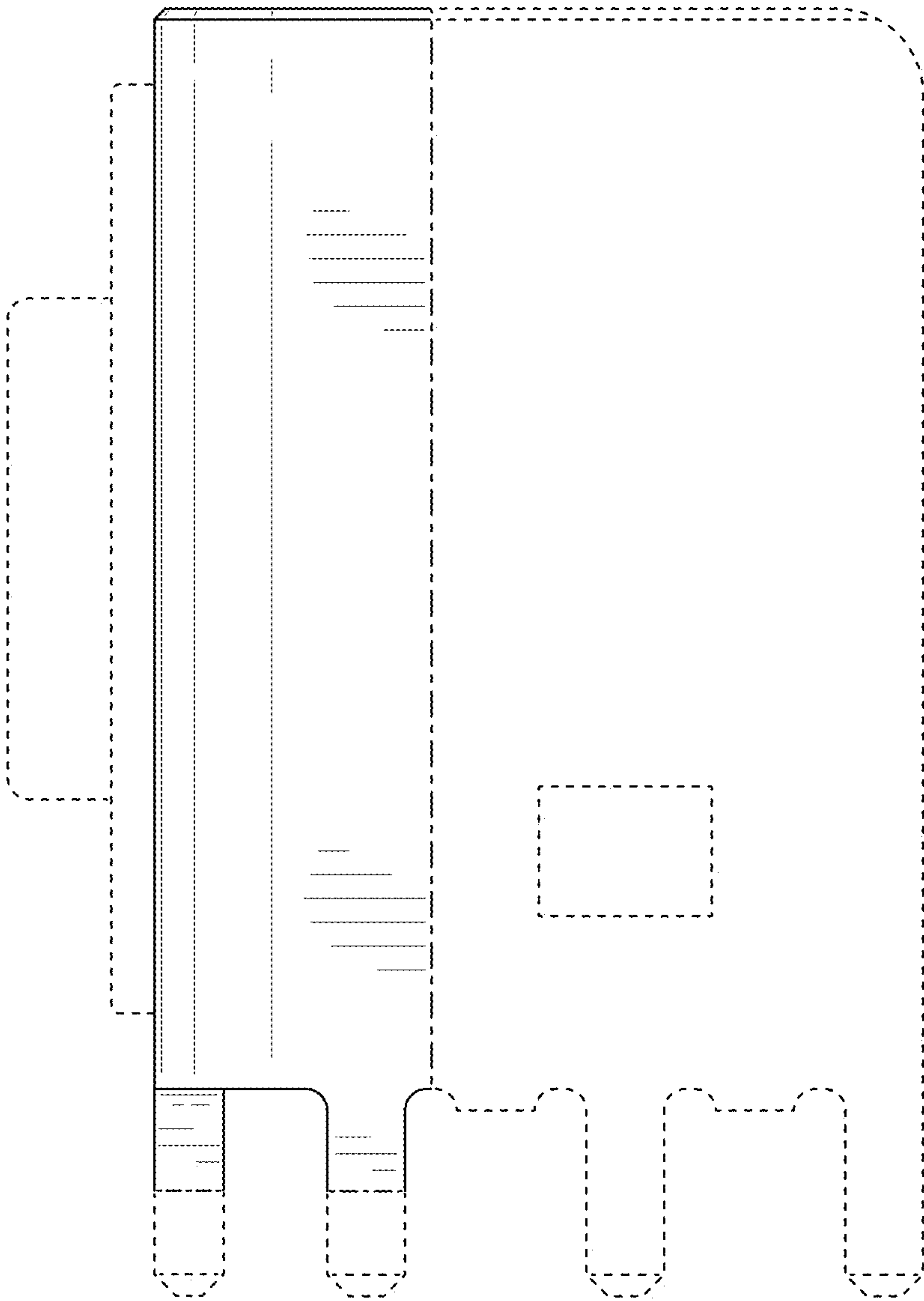


FIG. 5

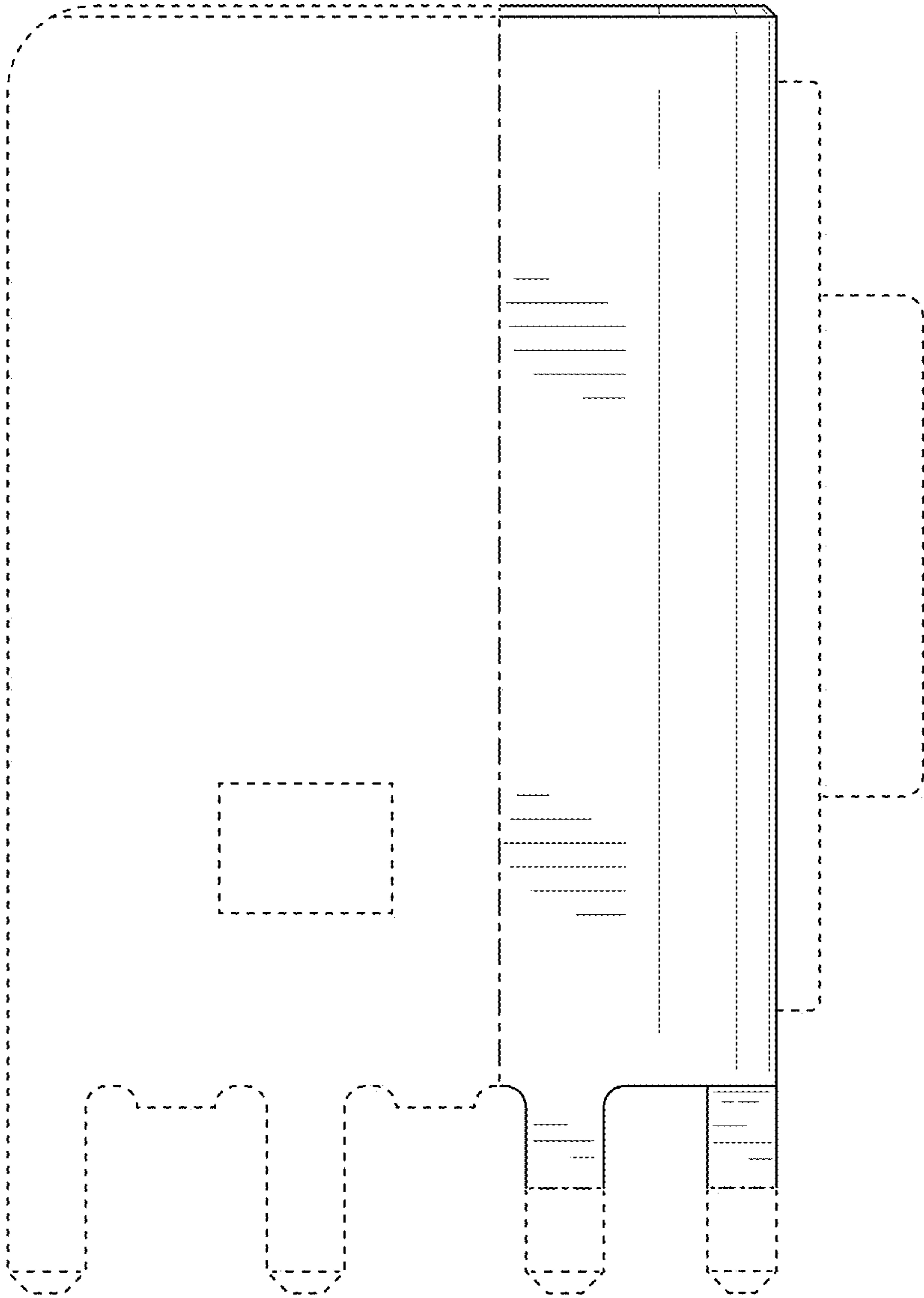


FIG. 6

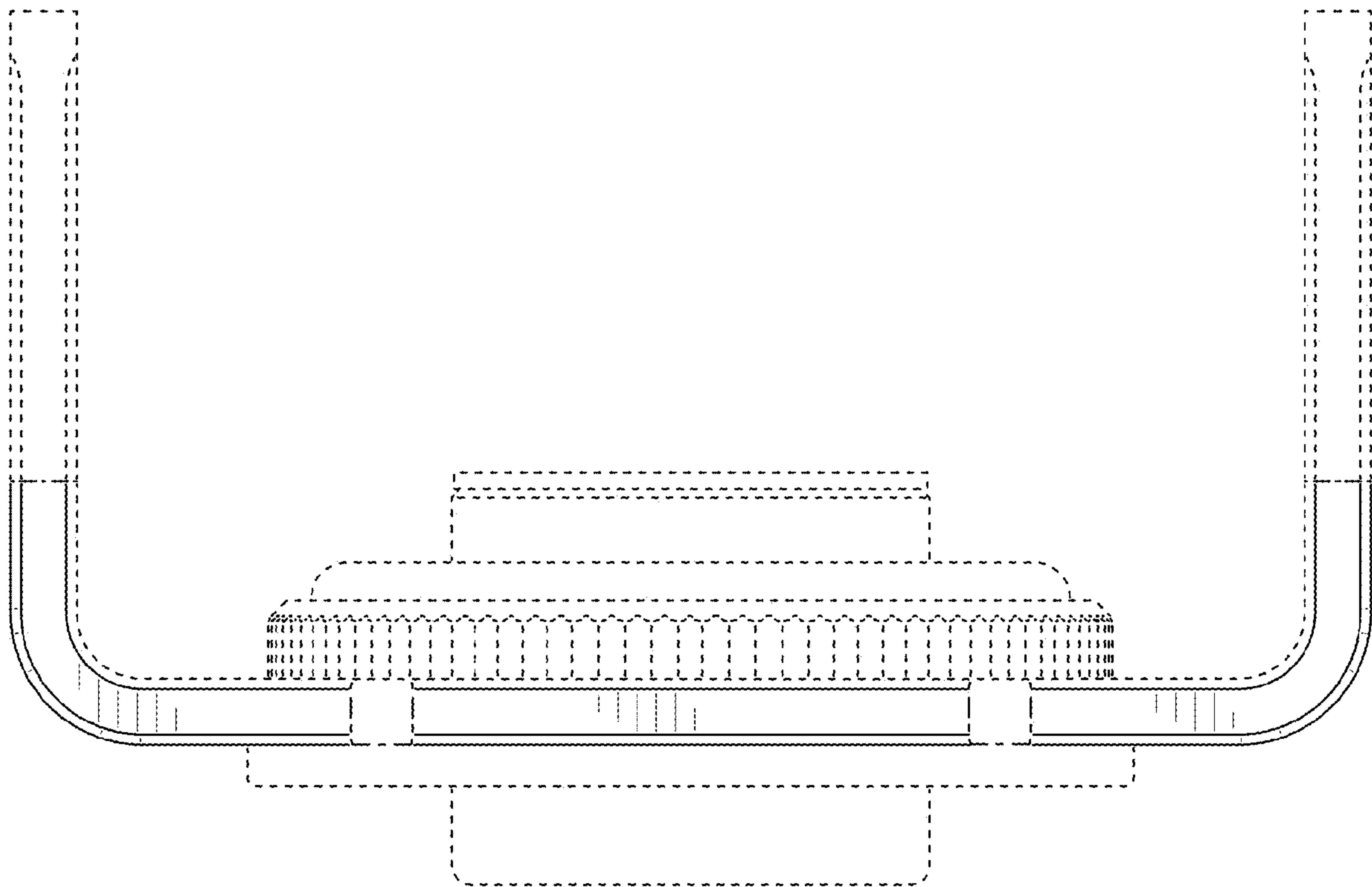


FIG. 7

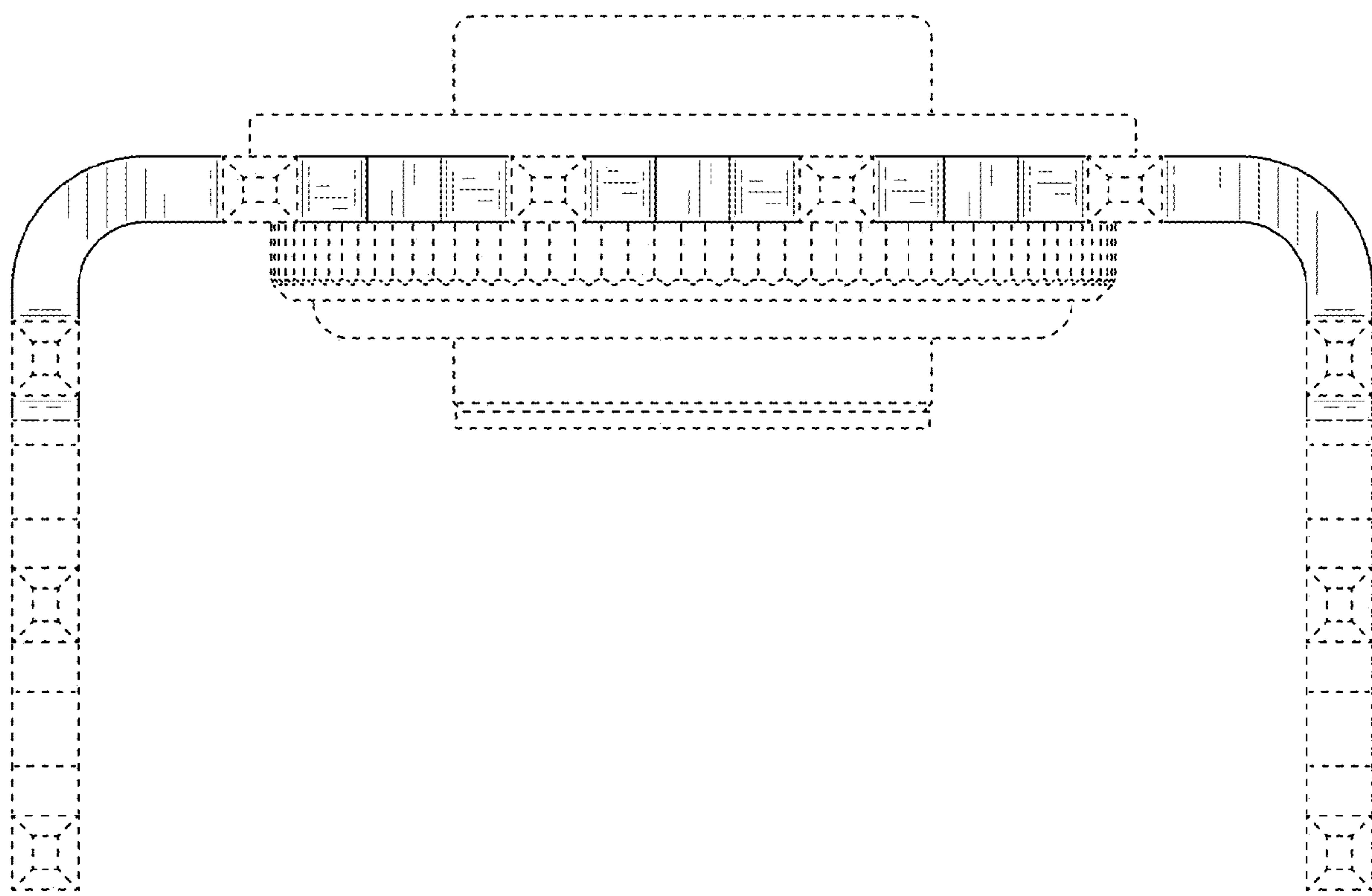


FIG. 8