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

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(45) **Date of Patent:** **** Jul. 10, 2012**

(54) **ROBOT FOR ELABORATION OF LINGUAL ARCHWIRES**

7,721,456 B2 * 5/2010 Marichi Rodriguez et al. .. 433/3
2008/0254403 A1 * 10/2008 Hilliard 433/24
2011/0314891 A1 * 12/2011 Gilbert 72/372

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* cited by examiner

(**) Term: **14 Years**

Primary Examiner — Wan Laymon

(21) Appl. No.: **29/393,930**

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PC

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(57) **CLAIM**

(51) **LOC (9) Cl.** **24-02**

I claim the ornamental design for a robot for the elaboration of lingual archwires, as shown and described.

(52) **U.S. Cl.** **D24/177**

(58) **Field of Classification Search** D24/176-177,
D24/180-181; 72/21.4, 293, 295, 372, 376,
72/379.2, 441; 206/368, 63.5; 433/2-3,
433/20, 25, 27, 31, 51, 68, 75-76, 114, 215,
433/24

DESCRIPTION

See application file for complete search history.

FIG. 1 is a front, top perspective view of a robot for the elaboration of lingual archwires showing my new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a back elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof.

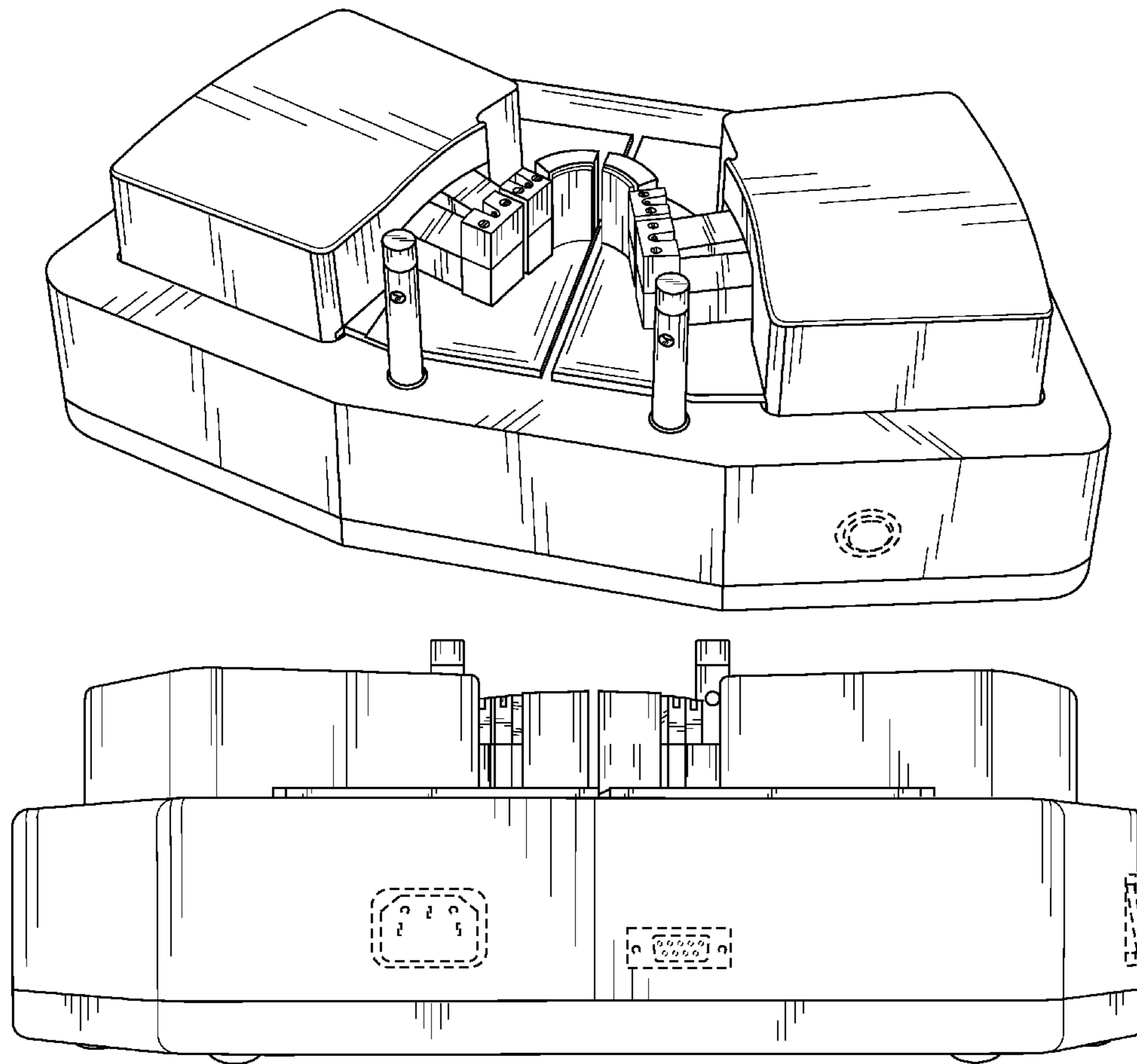
(56) **References Cited**

The button, plugs and switch are shown in dashed lines for the purpose of illustration only and form no part of the claimed design.

U.S. PATENT DOCUMENTS

4,941,826	A	7/1990	Loran et al.	
5,064,368	A *	11/1991	Lavin	433/2
5,100,316	A *	3/1992	Wildman	433/24
6,120,287	A *	9/2000	Chen	433/2
6,612,143	B1 *	9/2003	Butscher et al.	72/21.4

1 Claim, 7 Drawing Sheets



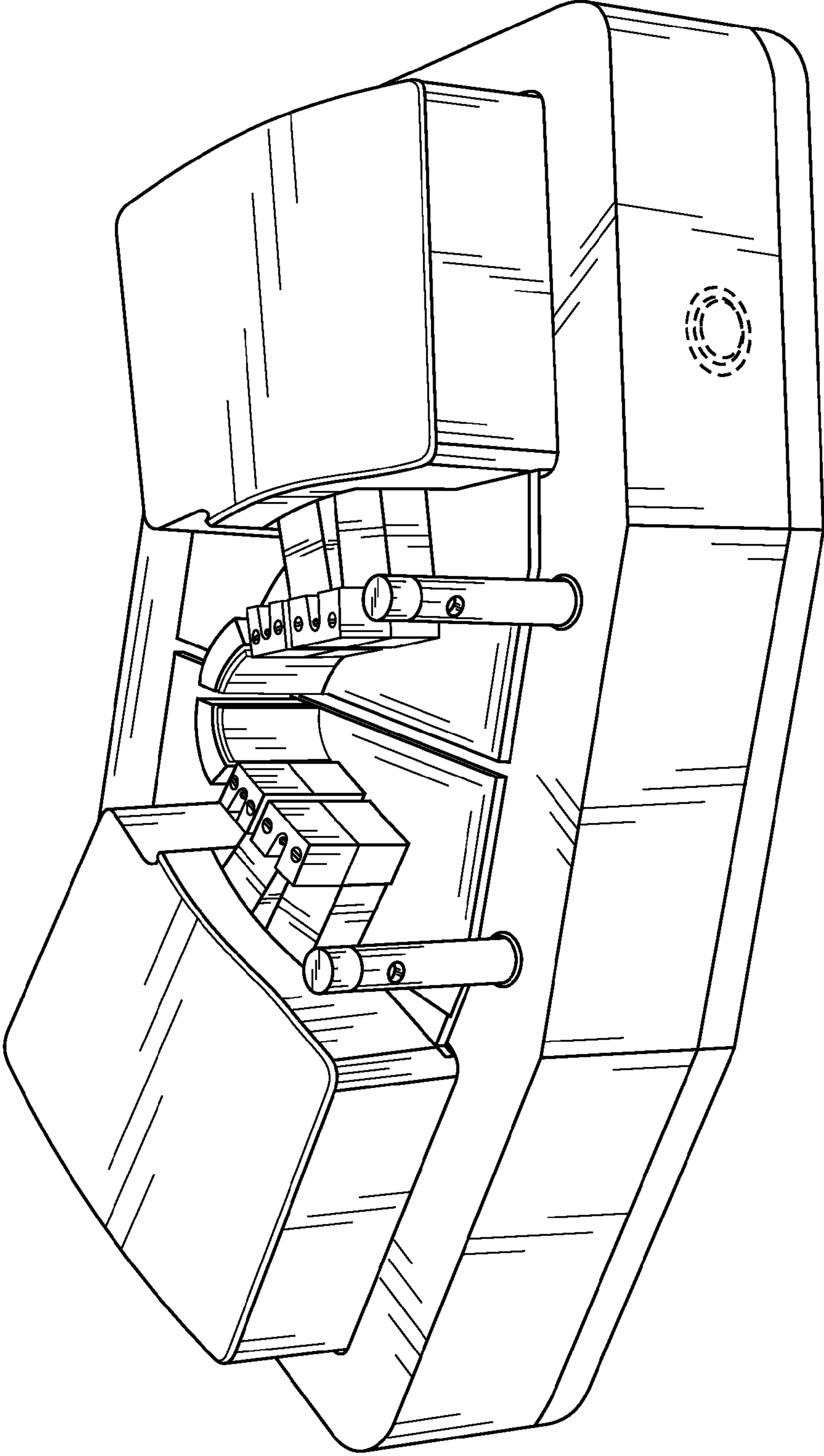


FIG. 1

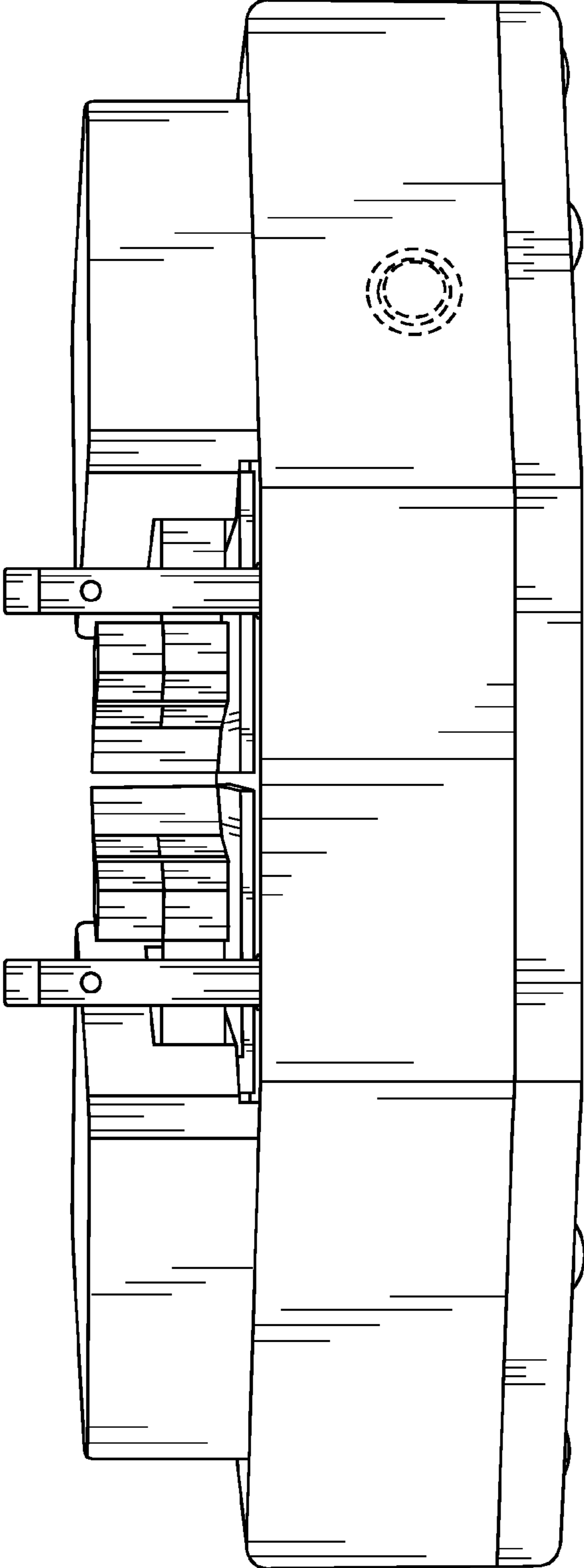


FIG. 2

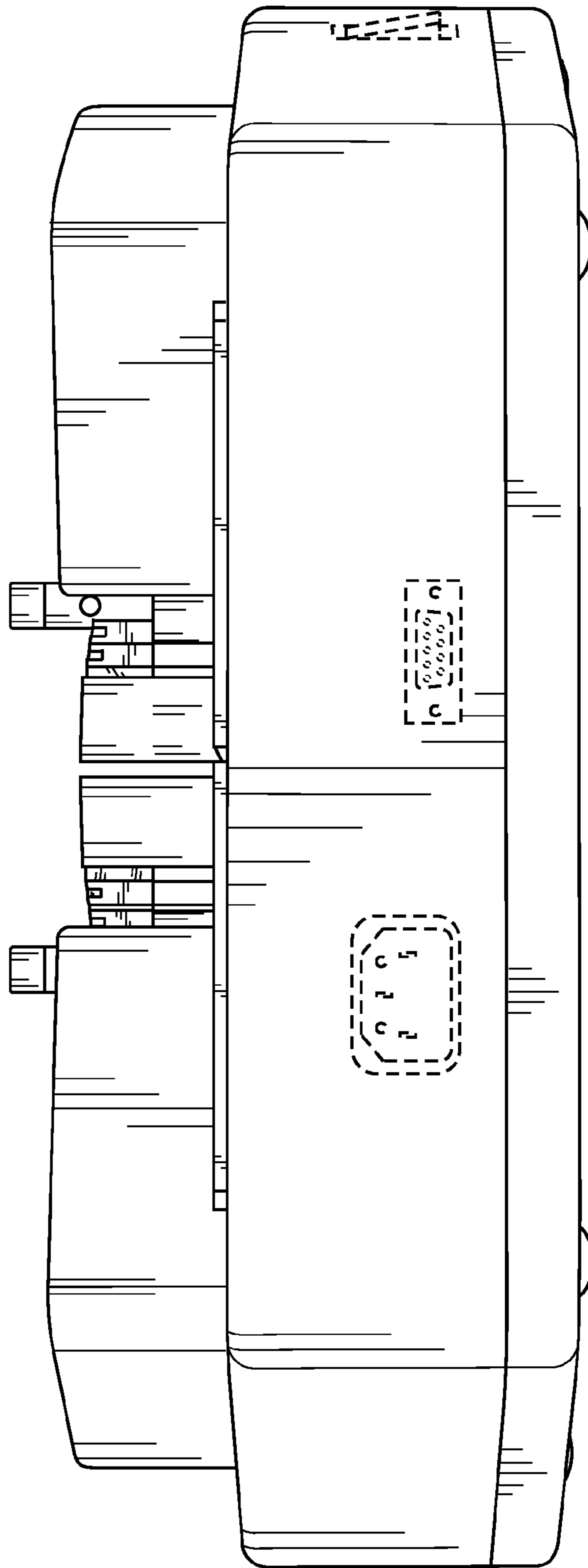


FIG. 3

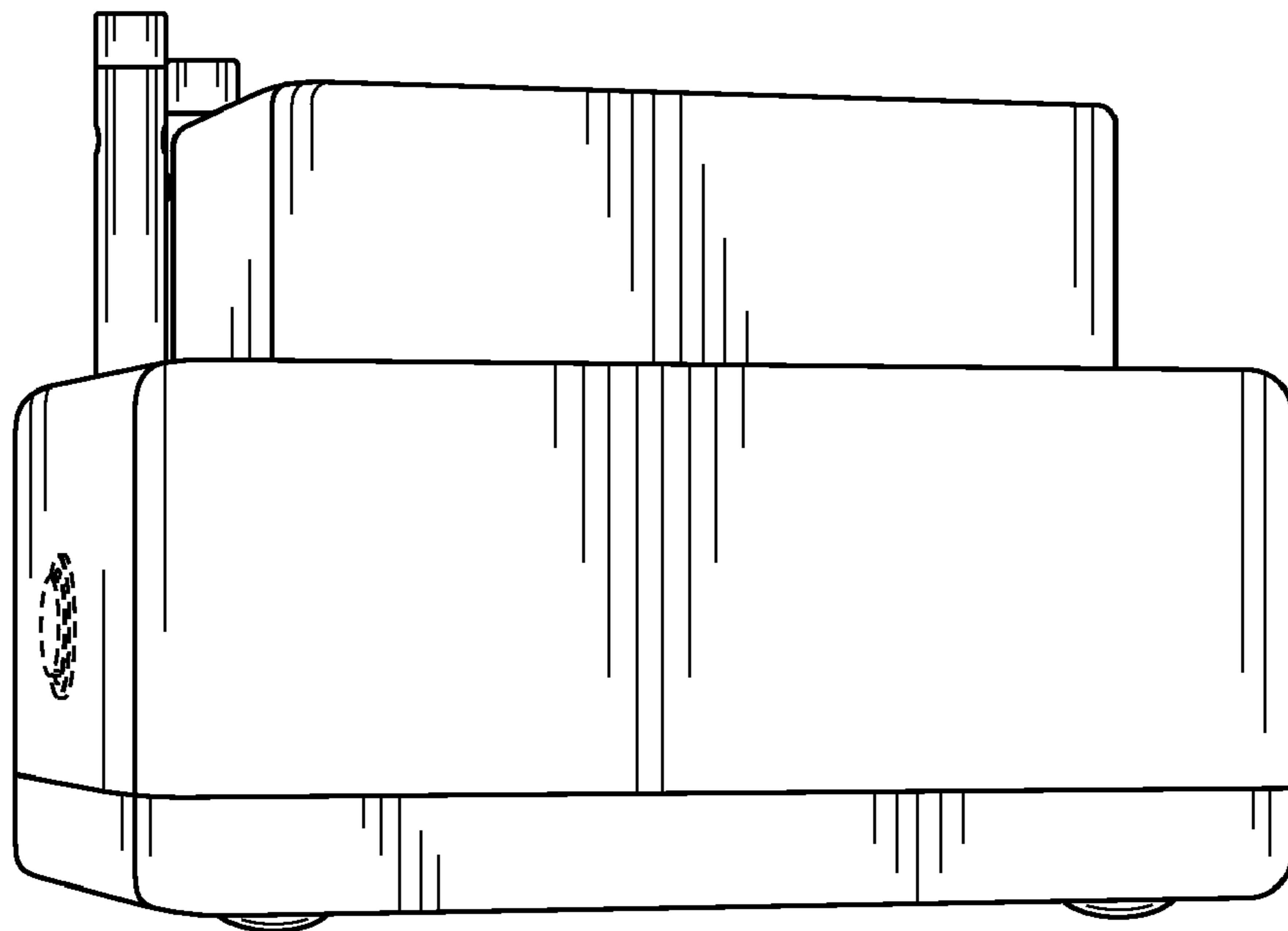


FIG. 4

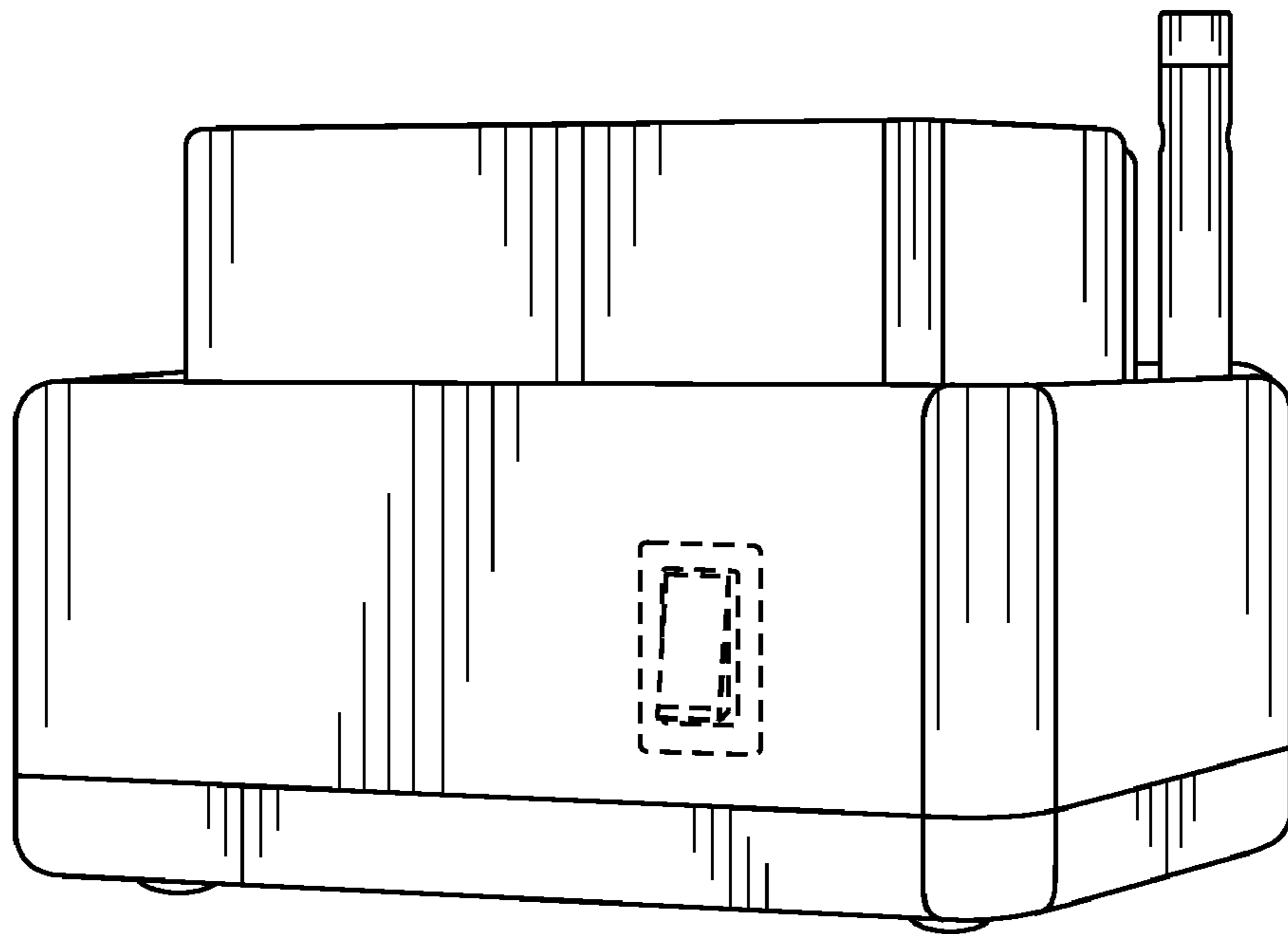


FIG. 5

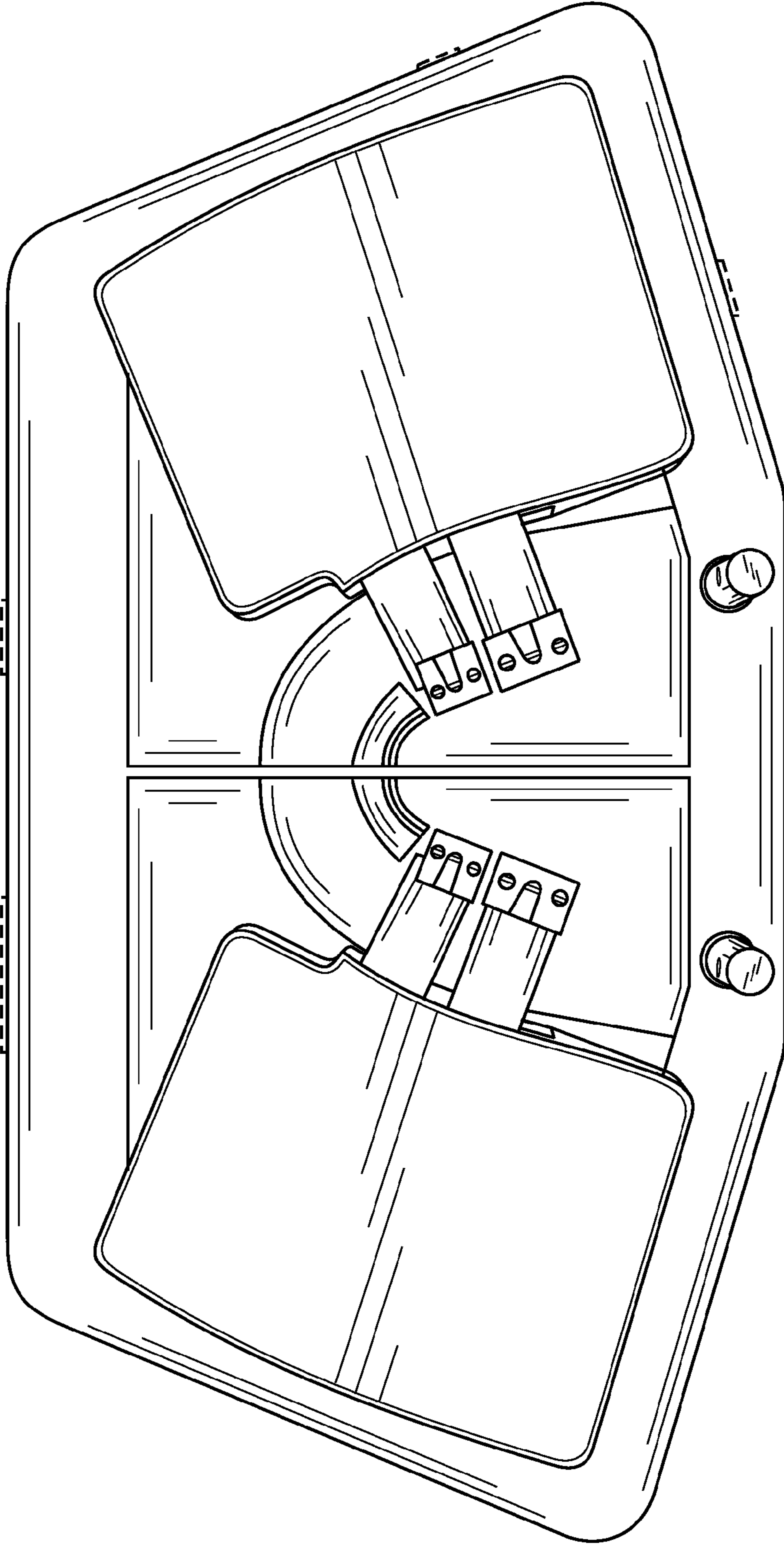


FIG. 6

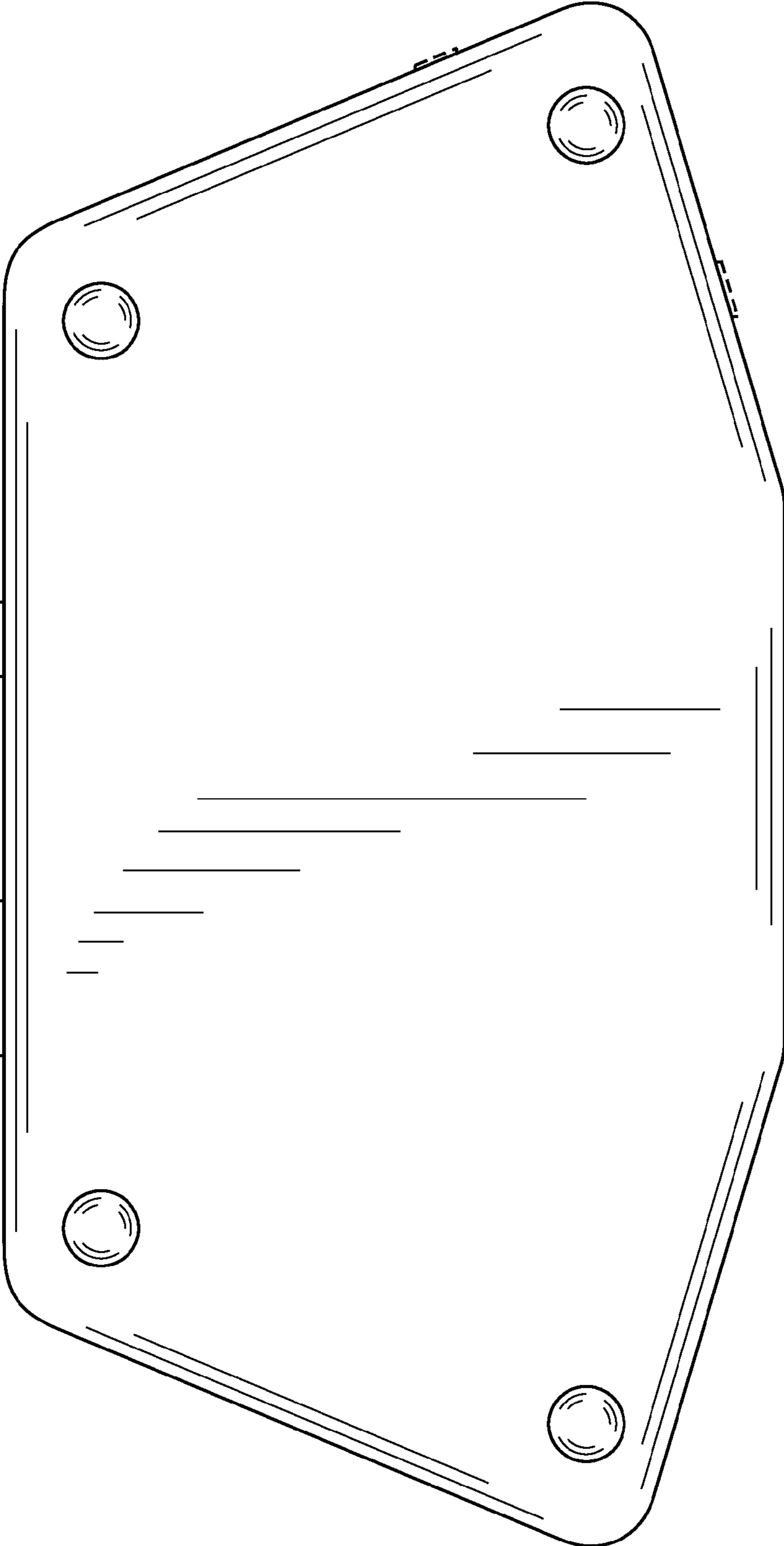


FIG. 7