



US00D688803S

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

(10) **Patent No.:** **US D688,803 S**

(45) **Date of Patent:** **\*\* Aug. 27, 2013**

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

(76) Inventor: **Alfredo Gilbert**, Colonia Roma (MX)

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

(21) Appl. No.: **29/423,947**

(22) Filed: **Jun. 6, 2012**

**Related U.S. Application Data**

(63) Continuation of application No. 29/393,930, filed on Jun. 10, 2011, now Pat. No. Des. 663,424.

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

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

(58) **Field of Classification Search**  
USPC ..... D24/176-177, 180-181; 72/293, 72/295, 21.4, 372, 376, 379.2, 441; 206/368, 206/63.5; 433/2-3, 20, 25, 27, 31, 51, 68, 433/75-76, 114, 215, 24, 10, 18  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,941,826 A 7/1990 Loran et al.  
5,064,368 A 11/1991 Lavin  
5,100,316 A 3/1992 Wildman  
5,295,886 A \* 3/1994 Wildman ..... 433/75

5,474,444 A \* 12/1995 Wildman ..... 433/18  
6,120,287 A 9/2000 Chen  
6,612,143 B1 9/2003 Butscher et al.  
7,721,456 B2 5/2010 Rodriguez et al.  
RE42,815 E \* 10/2011 Rubbert et al. .... 433/3  
D663,424 S \* 7/2012 Gilbert ..... D24/177  
2008/0254403 A1 10/2008 Hilliard  
2011/0314891 A1 12/2011 Gilbert

\* cited by examiner

*Primary Examiner* — Wan Laymon

(74) *Attorney, Agent, or Firm* — Biotech Beach Law Group PC

(57) **CLAIM**

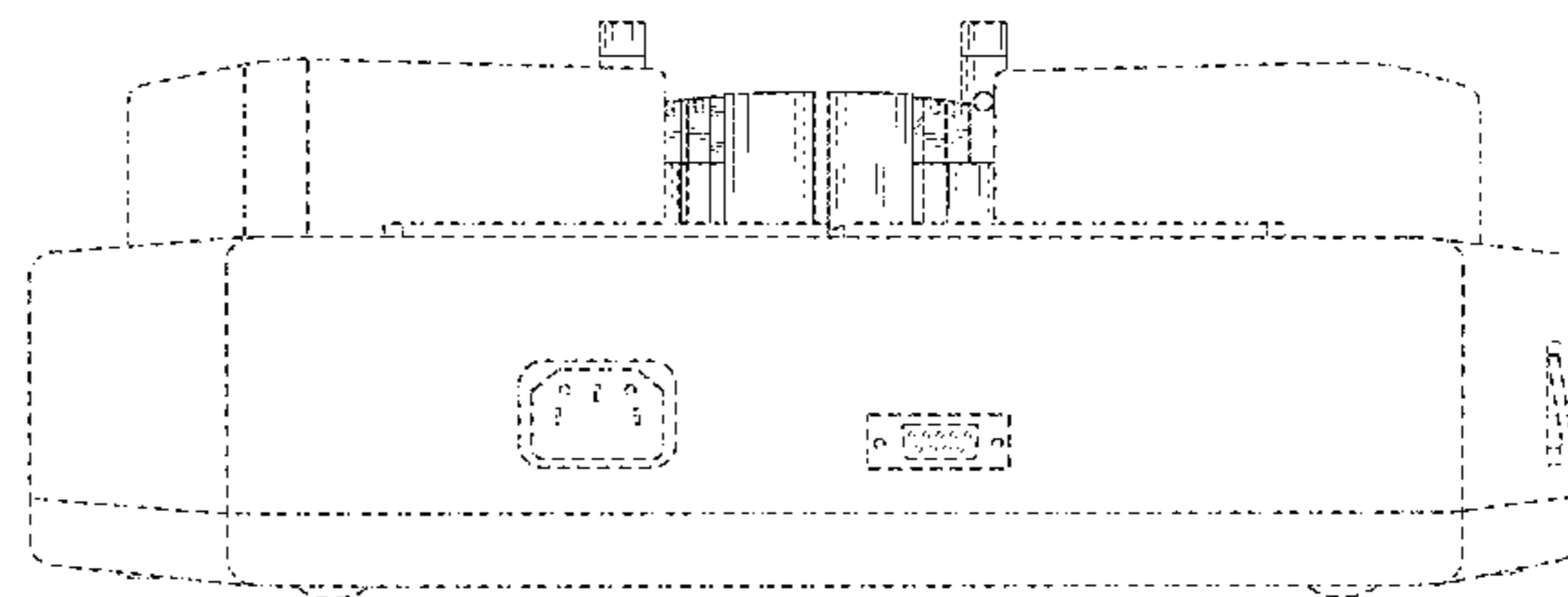
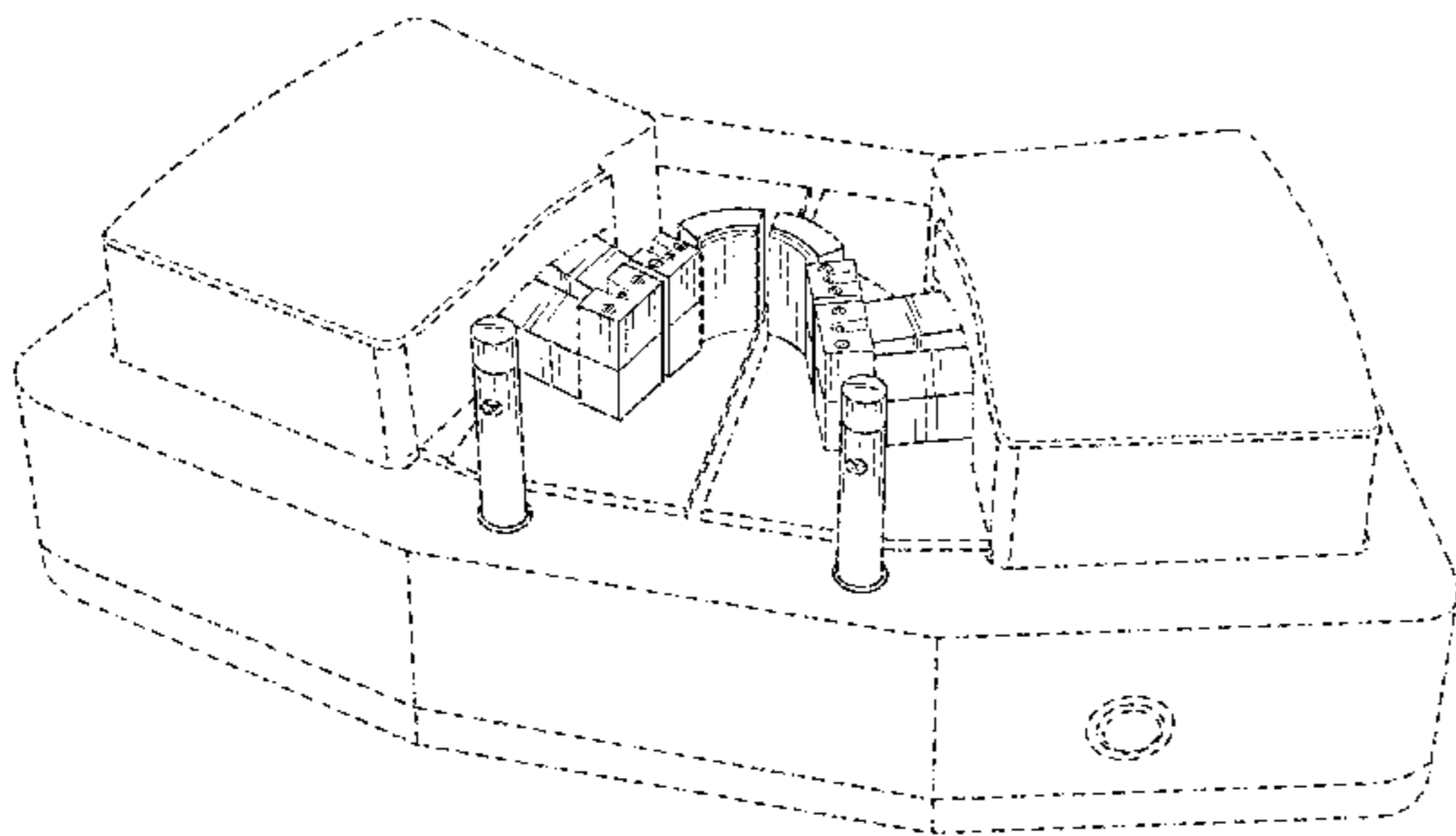
I claim the ornamental design for a robot for the elaboration of lingual archwires, as shown and described.

**DESCRIPTION**

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.

The evenly dashed broken lines in the drawings illustrate the portions of the robot for elaboration of lingual archwires that form no part of the claimed design. The dot-dot-dash broken line in the drawings defines the bounds of the claim. None of the broken lines form part of the claimed design.

**1 Claim, 7 Drawing Sheets**



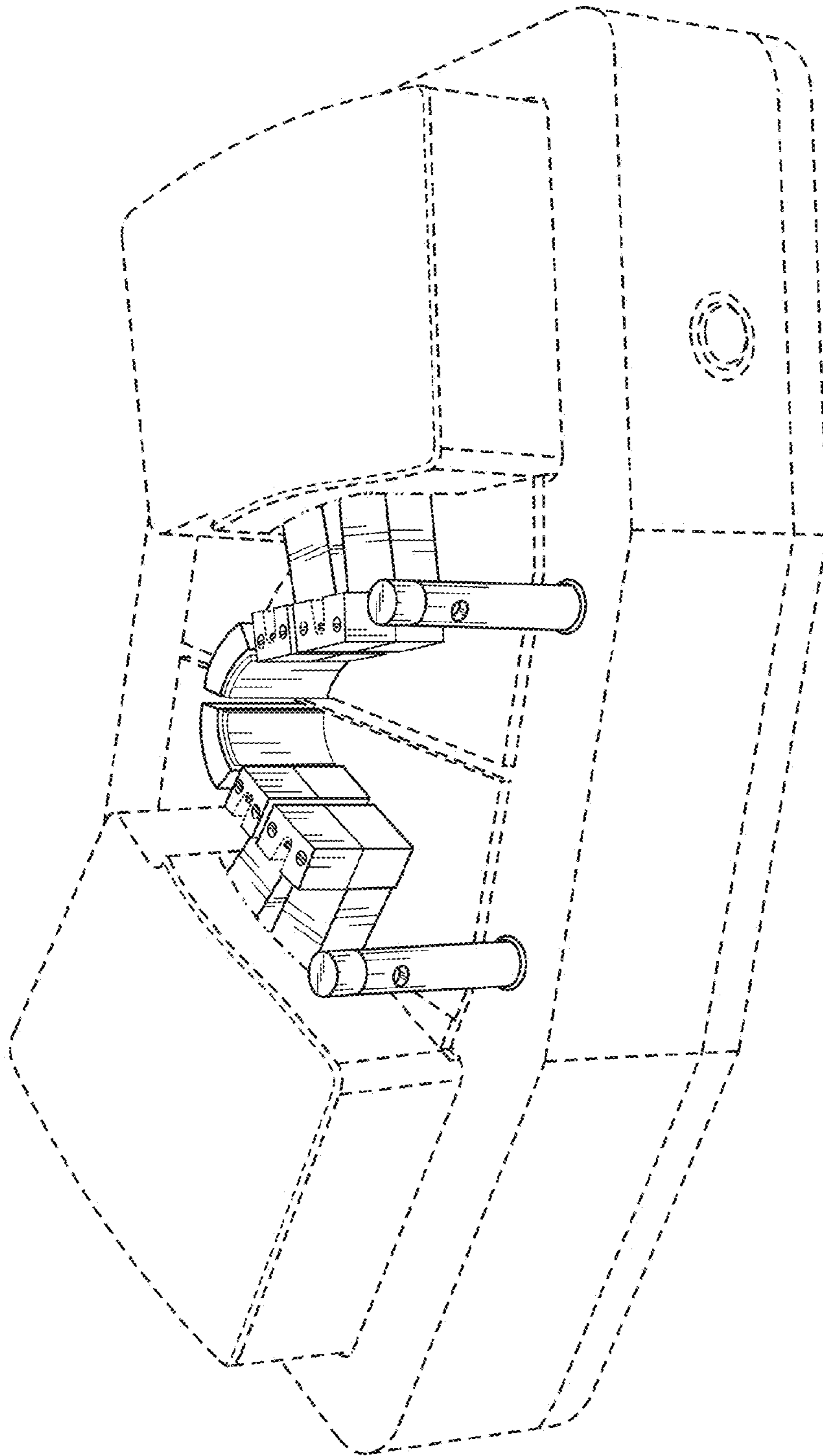


FIG. 1

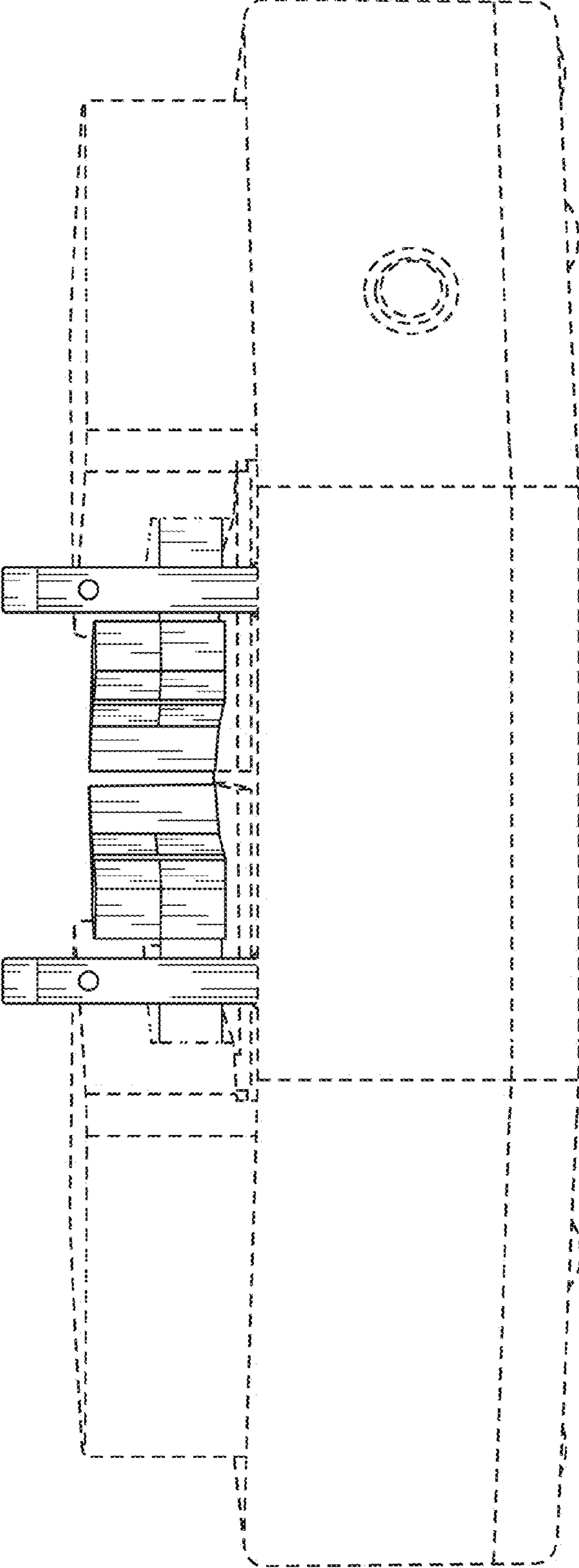


FIG. 2

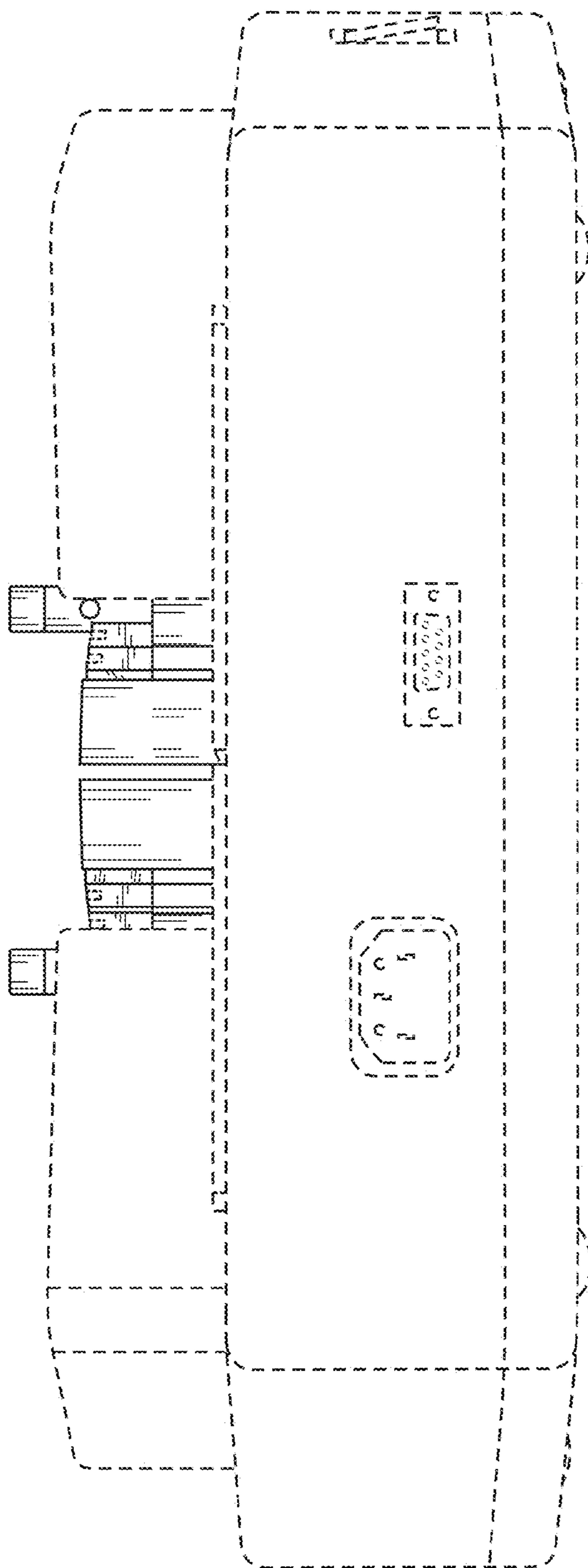


FIG. 3

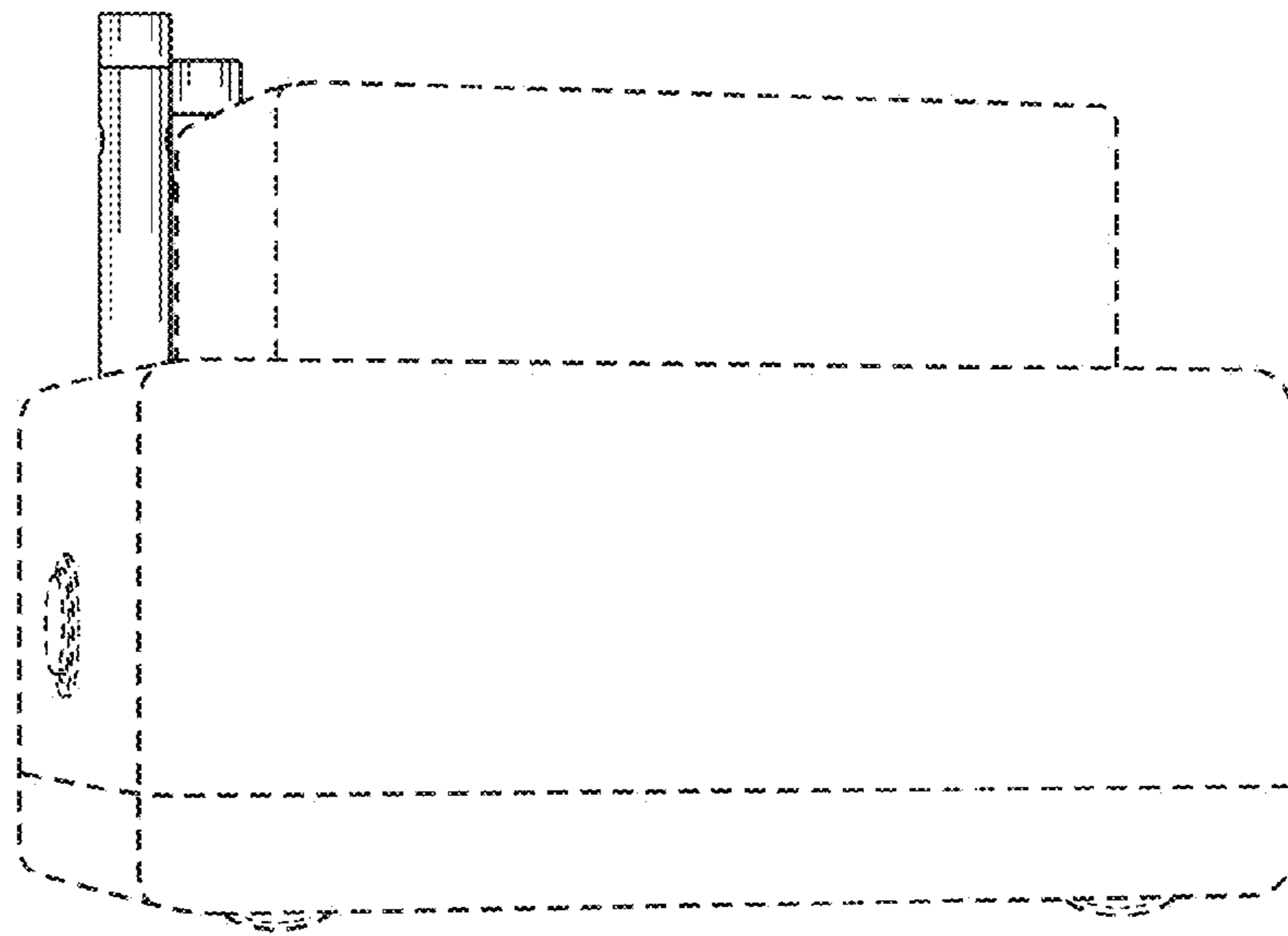


FIG. 4

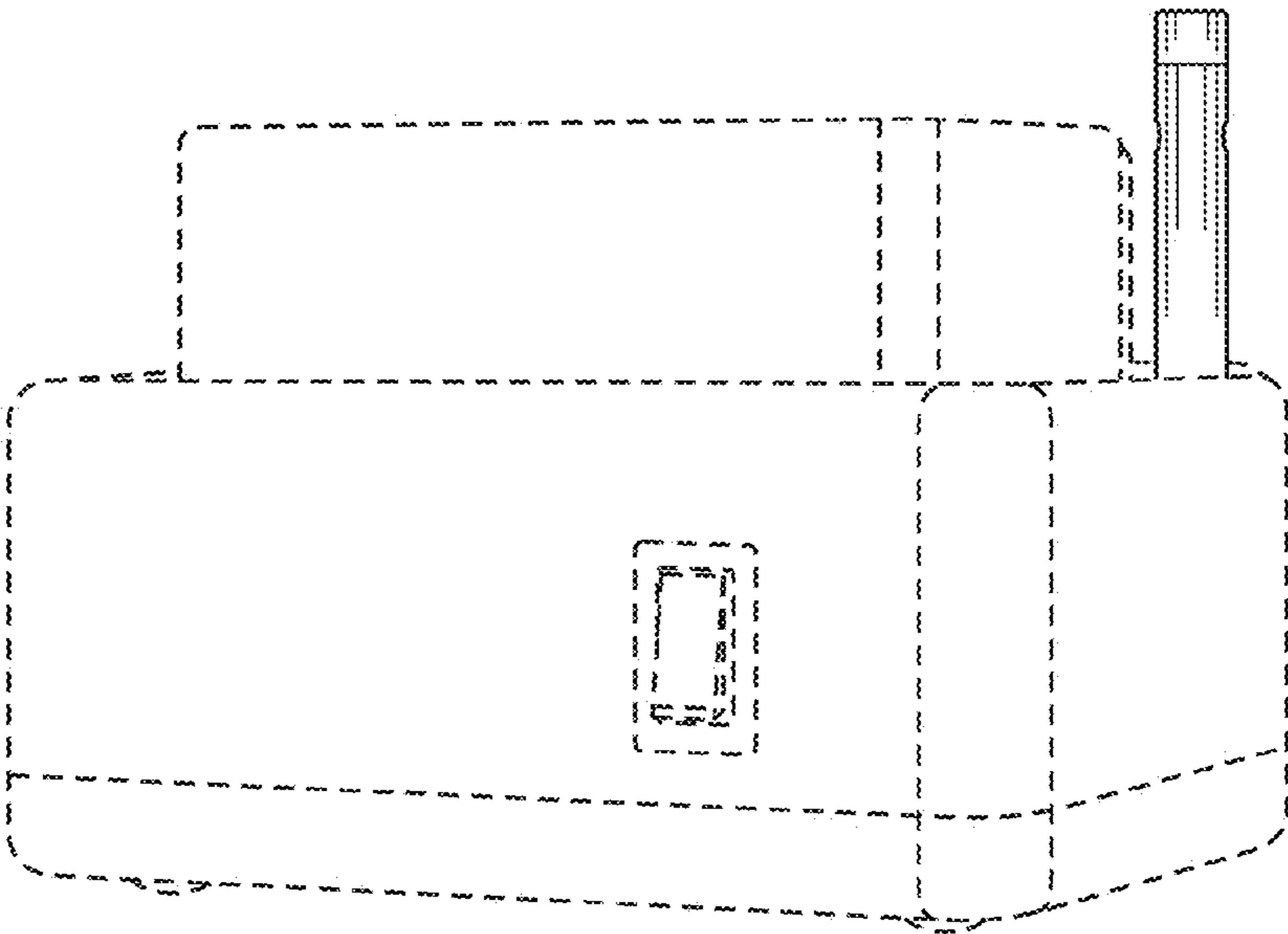


FIG. 5

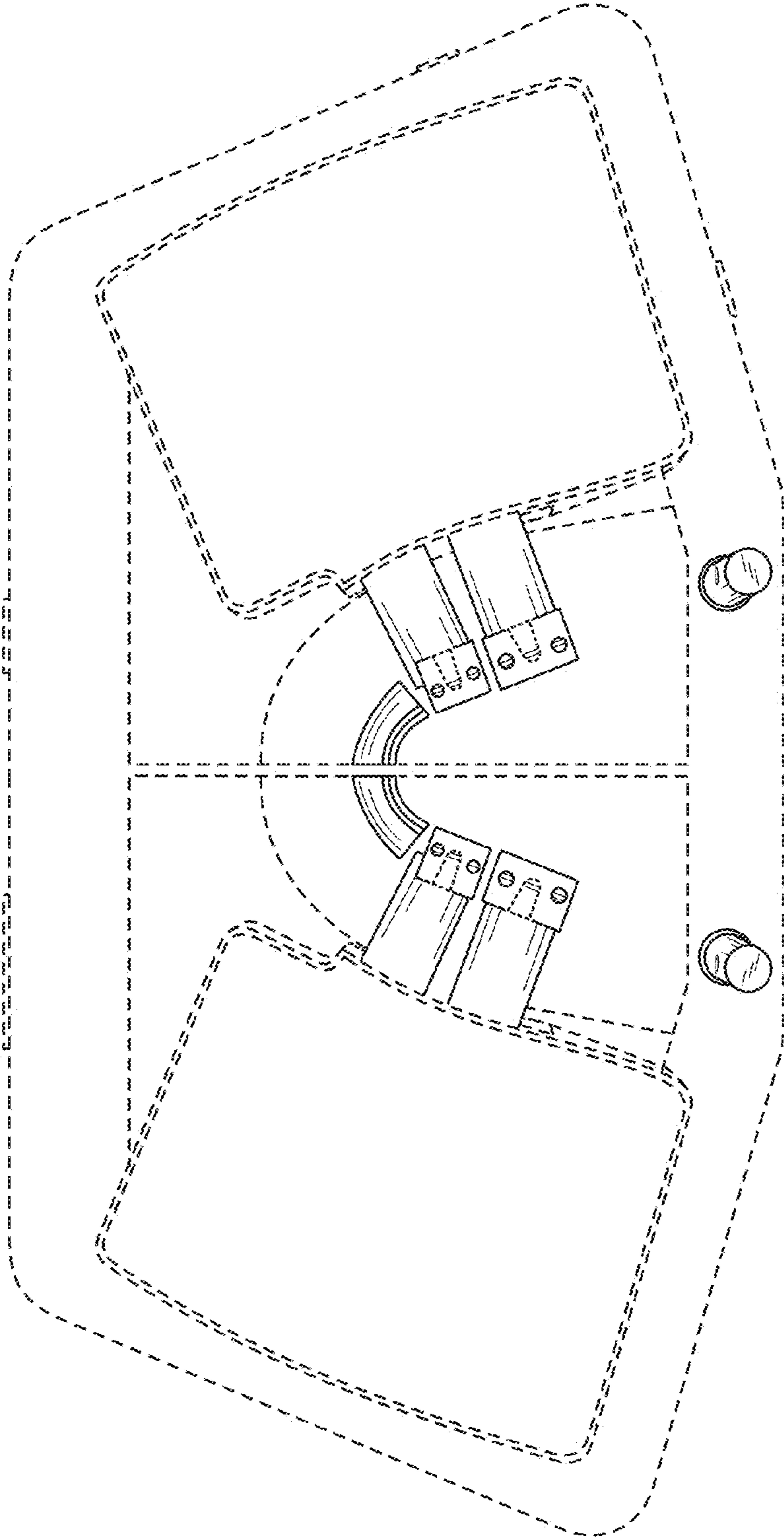


FIG. 6

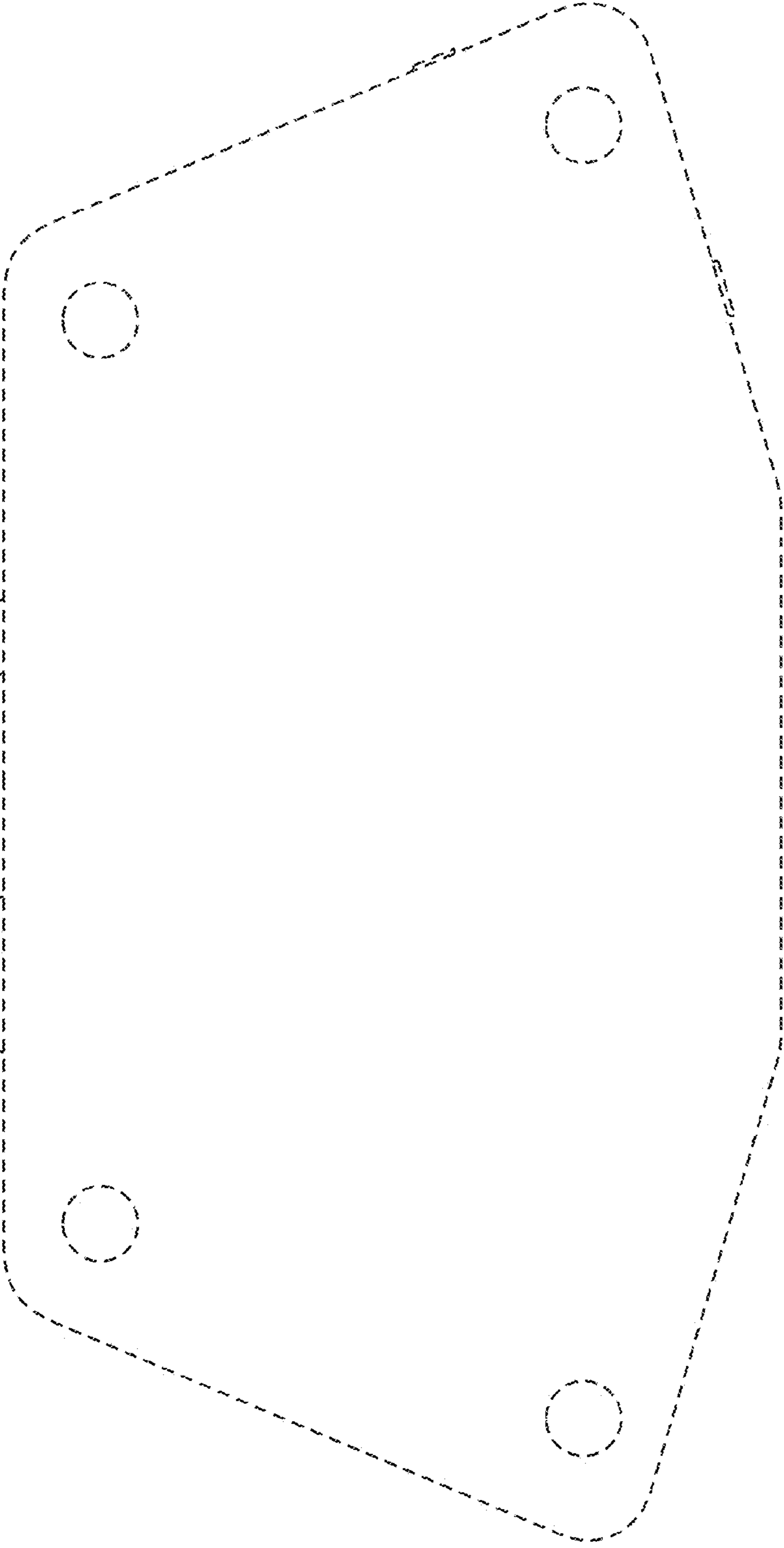


FIG. 7