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(12) **United States Design Patent**  
**Inoue et al.**

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(54) **CASE OF WELDING WIRE FEEDER**

(71) Applicant: **DAIHEN Corporation**, Osaka-shi,  
Osaka (JP)

(72) Inventors: **Masahiro Inoue**, Osaka (JP); **Yukiya Morita**, Osaka (JP); **Hisao Miyahara**, Osaka (JP)

(73) Assignee: **DAIHEN Corporation**, Osaka-shi,  
Osaka (JP)

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**  
USPC ..... **D15/144**

(58) **Field of Classification Search**  
USPC ..... D8/29.1, 30; D15/144, 144.2  
CPC ..... B23K 9/125; B23K 9/1336; B65H 57/18;  
B65H 2701/36  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,782,394 A \* 7/1998 Langley ..... B23K 9/282  
219/137.2
- D433,040 S \* 10/2000 Kriek ..... D15/144.2
- 6,295,707 B1 \* 10/2001 Siracusa ..... B23K 7/105  
228/48
- 6,479,795 B1 \* 11/2002 Albrecht ..... B23K 9/124  
219/136
- D518,078 S \* 3/2006 Persson ..... D15/144.1

- D623,205 S \* 9/2010 Flattinger ..... D15/144
- 9,821,400 B2 \* 11/2017 Hillen ..... B23K 9/1336
- 9,895,762 B2 \* 2/2018 Kachline ..... B23K 9/122
- 2004/0011472 A1 \* 1/2004 Zurmuhle ..... B29C 65/10  
156/502
- 2007/0158323 A1 \* 7/2007 Enyedy ..... B23K 9/1336  
219/137.71
- 2008/0066870 A1 \* 3/2008 Gisler ..... B29C 65/10  
156/389
- 2009/0166345 A1 \* 7/2009 Enyedy ..... B23K 9/1006  
219/137.2
- 2010/0051595 A1 \* 3/2010 Diedrick ..... B23K 9/124  
219/137 R

(Continued)

*Primary Examiner* — Patricia A Palasik

(74) *Attorney, Agent, or Firm* — Edward J. Baba; Bret E. Field; Bozicevic, Field & Francis LLP

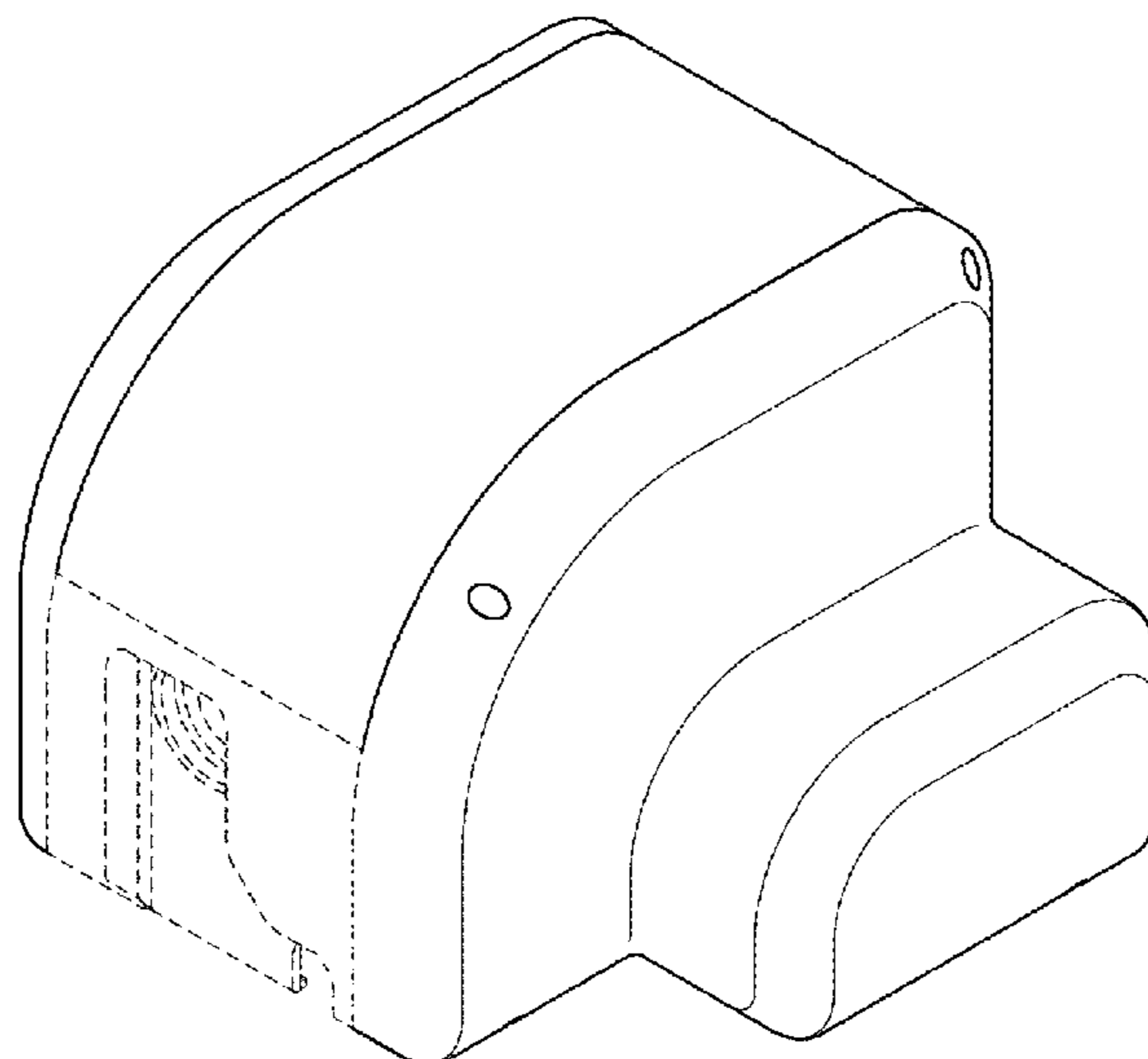
(57) **CLAIM**

The ornamental design for a case of welding wire feeder, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of the case of welding wire feeder. FIG. 2 is a rear view of the case of welding wire feeder. FIG. 3 is a plan view of the case of welding wire feeder. FIG. 4 is a bottom view of the case of welding wire feeder. FIG. 5 is a right side view of the case of welding wire feeder. FIG. 6 is a left side view of the case of welding wire feeder. FIG. 7 is a first perspective view of the case of welding wire feeder. FIG. 8 is a second perspective view of the case of welding wire feeder; and, FIG. 9 is a third perspective view of the case of welding wire feeder. The present product is for use of welding robots or the like. The applicant claims protection for the parts indicated by continuous lines.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2011/0114613	A1 *	5/2011	Ihde .....	B23K 9/133 219/136
2011/0220628	A1 *	9/2011	Mehn .....	B23K 9/124 219/130.1
2011/0220630	A1 *	9/2011	Speilman .....	B23K 9/1336 219/137 R
2012/0008264	A1 *	1/2012	Lahti .....	B23K 9/1087 361/679.01
2013/0048621	A1 *	2/2013	Christopher .....	B23K 9/125 219/137.7
2013/0334188	A1 *	12/2013	Enyedy .....	B23K 9/095 219/130.21
2014/0054349	A1 *	2/2014	Lahti .....	B23K 9/133 226/190
2014/0061277	A1 *	3/2014	Matiash .....	B23K 9/133 226/188
2014/0305586	A1 *	10/2014	Hupp, Sr. ....	B29C 65/2084 156/308.2
2015/0129569	A1 *	5/2015	Miller .....	B23K 9/133 219/137.2
2015/0343552	A1 *	12/2015	Gelmetti .....	B23K 9/124 219/137.71
2016/0014850	A1 *	1/2016	Verhagen .....	H05B 6/08 219/666
2017/0123403	A1 *	5/2017	Inoue .....	G05B 19/402
2018/0086588	A1 *	3/2018	Zhao .....	B65H 35/06

\* cited by examiner

FIG. 1

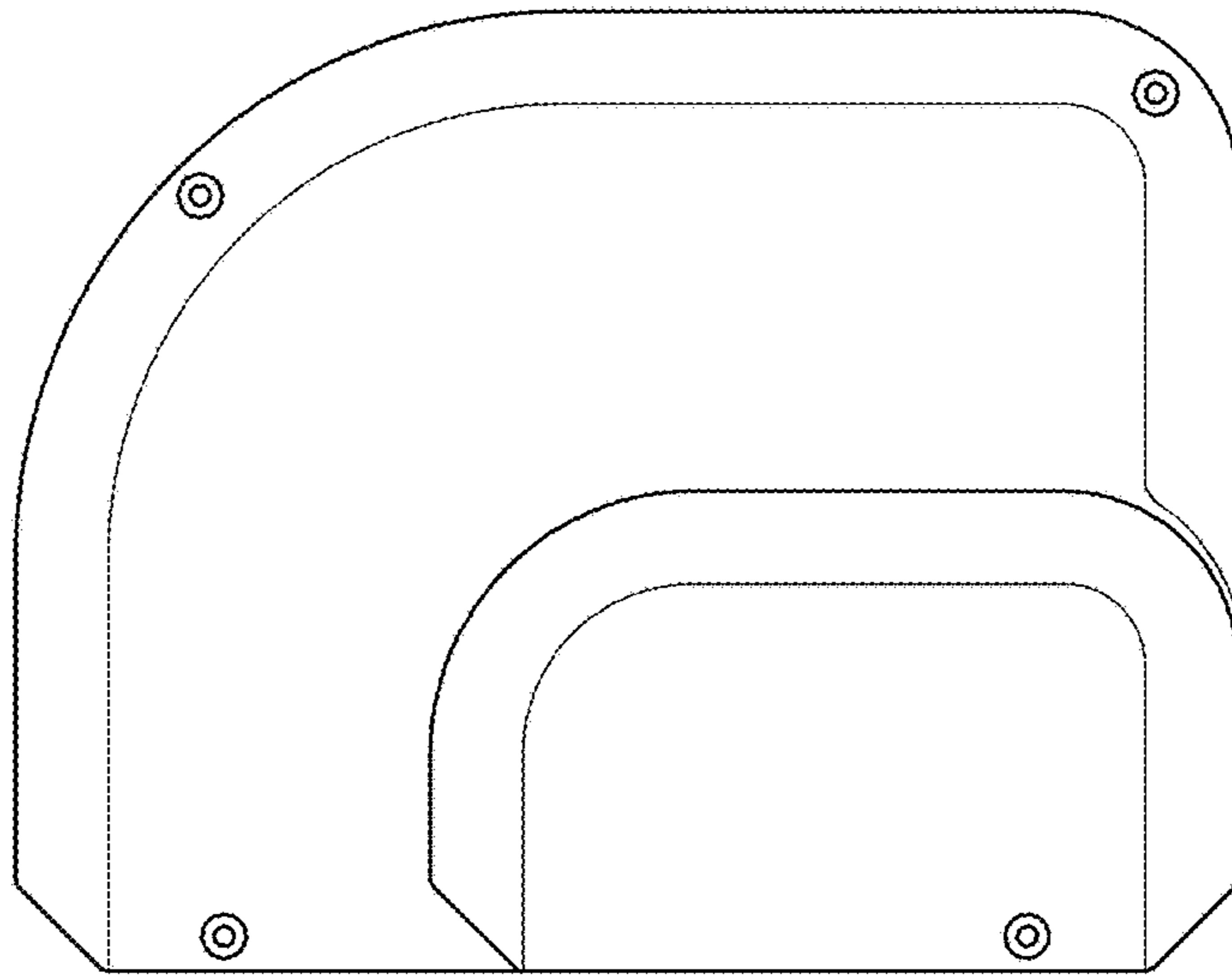


FIG. 2

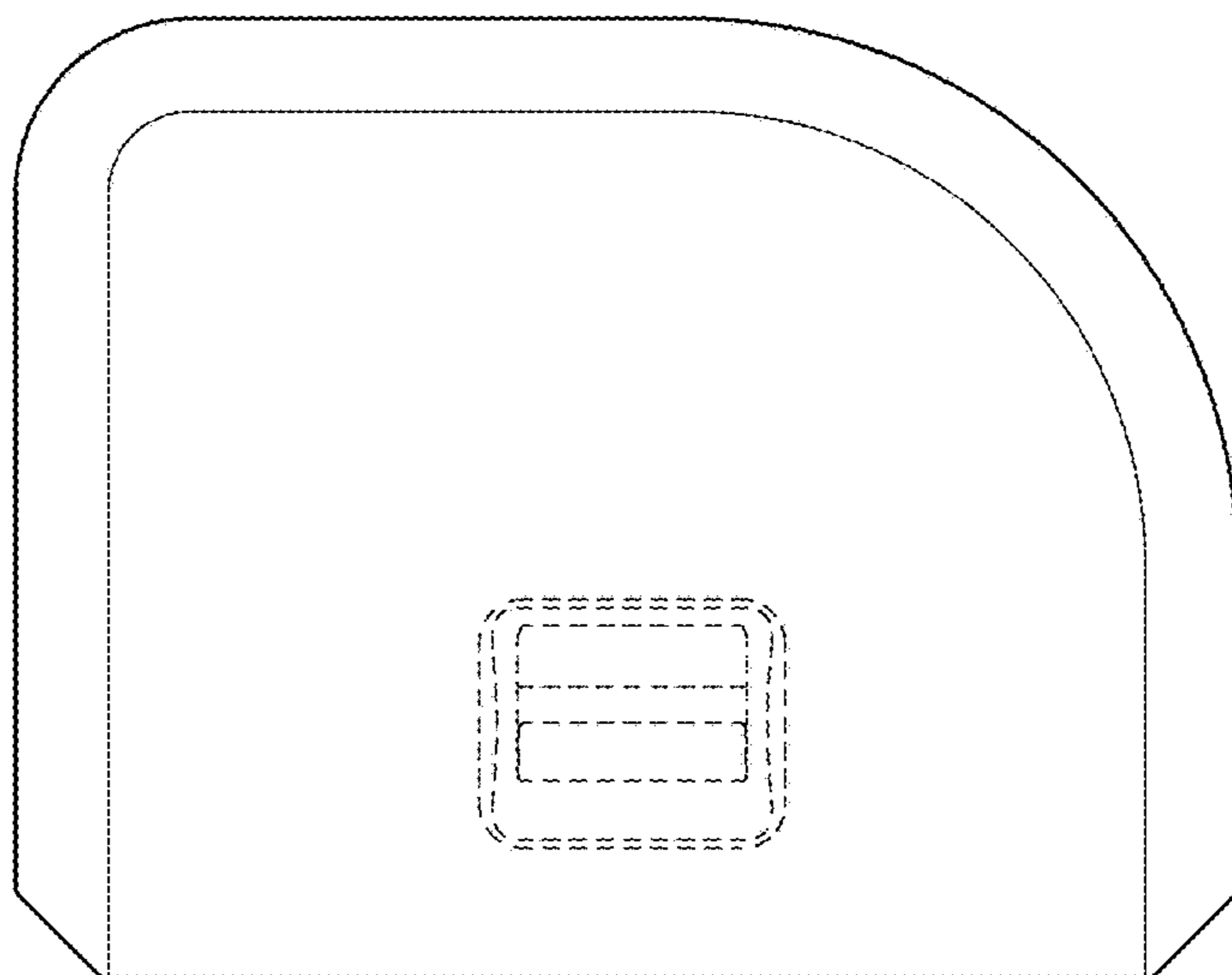


FIG. 3

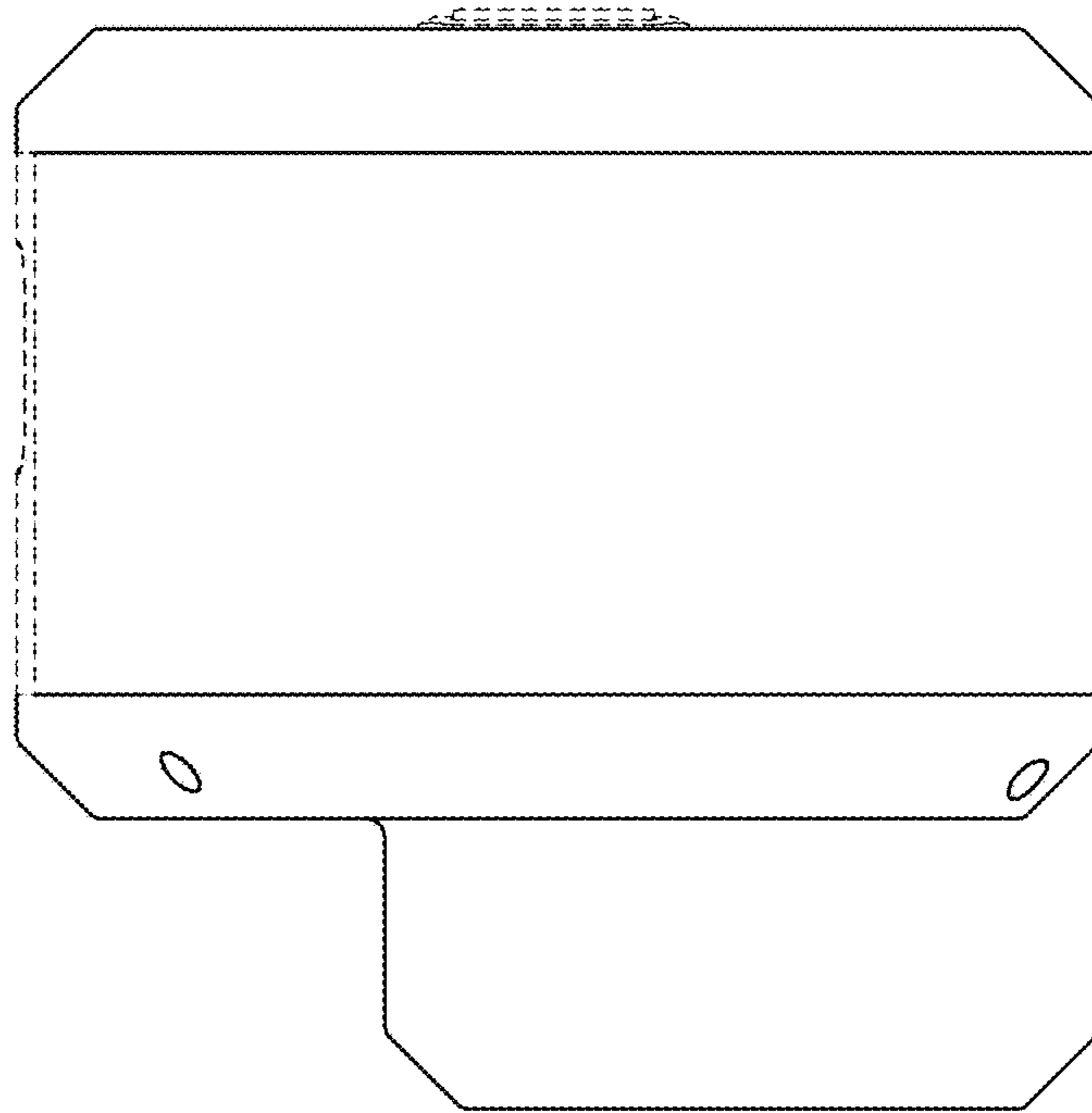


FIG. 4

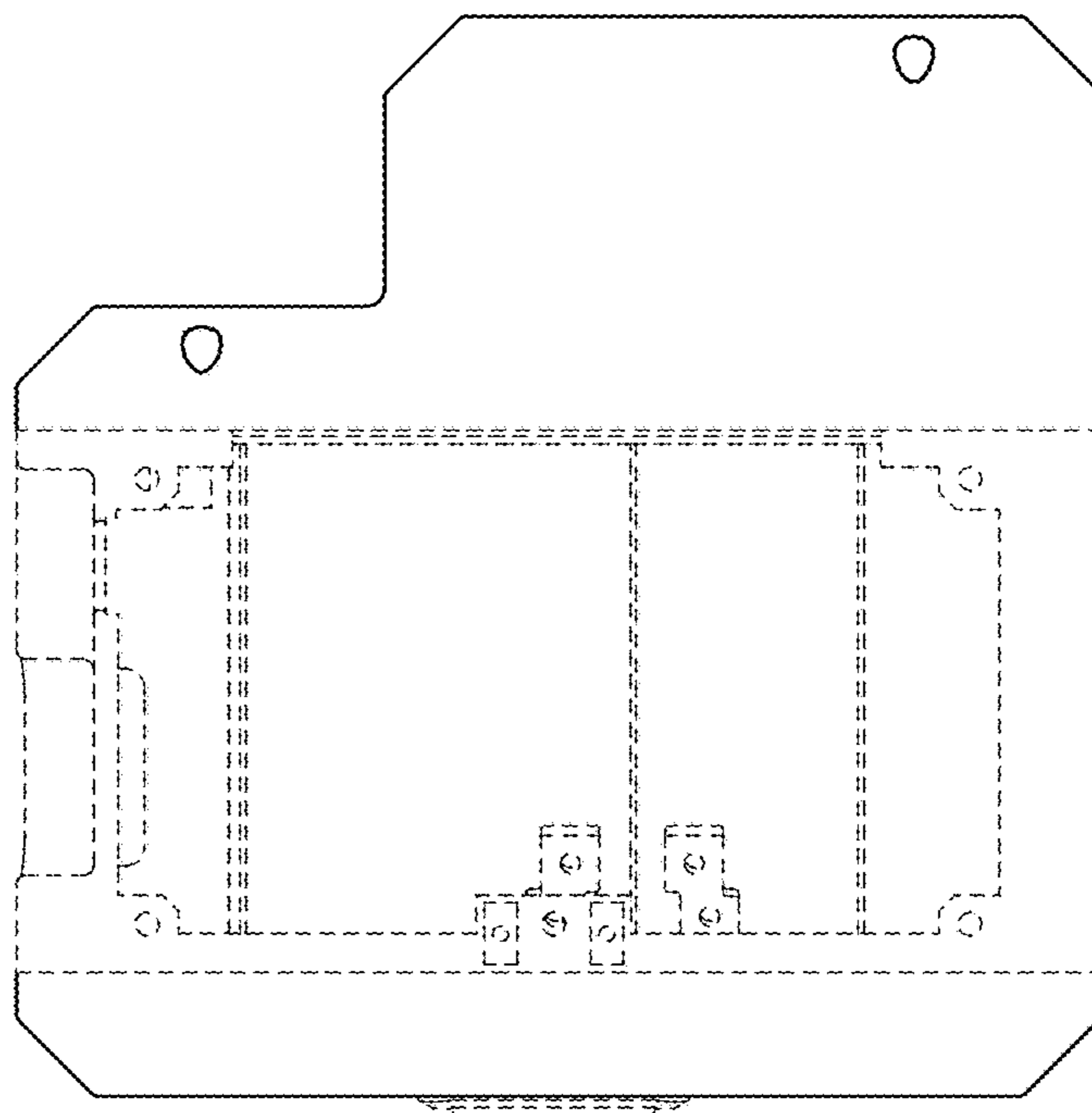


FIG. 5

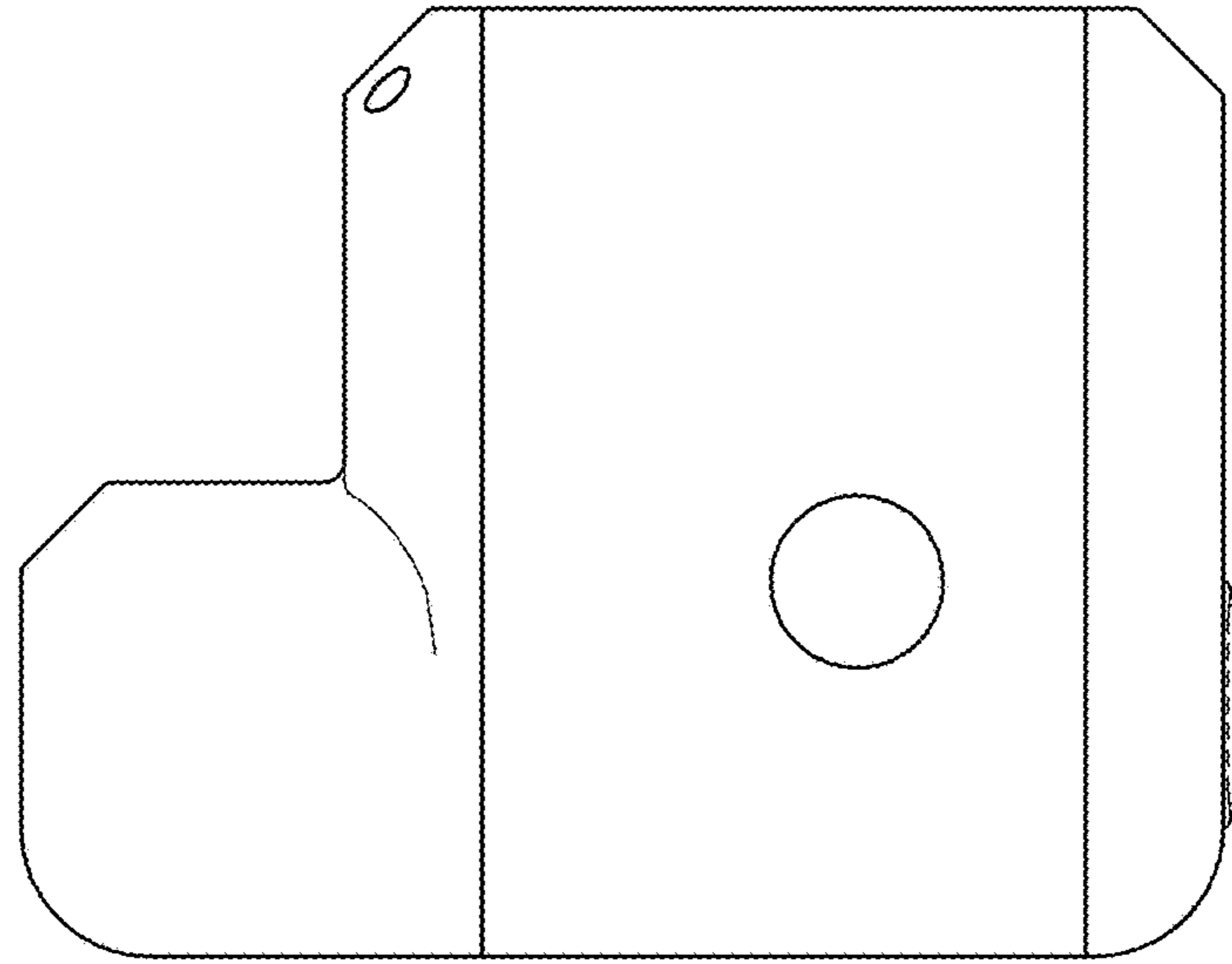


FIG. 6

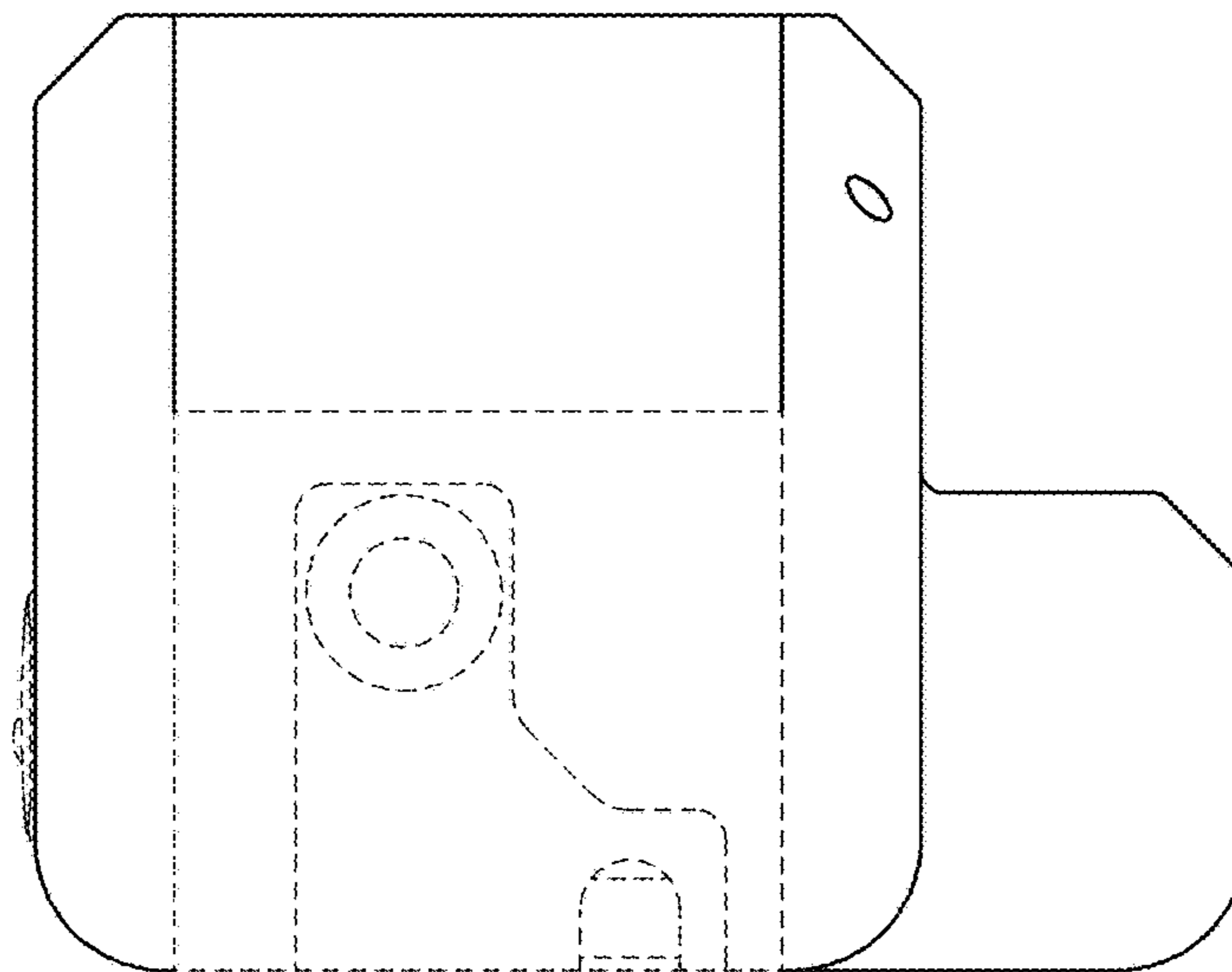


FIG. 7

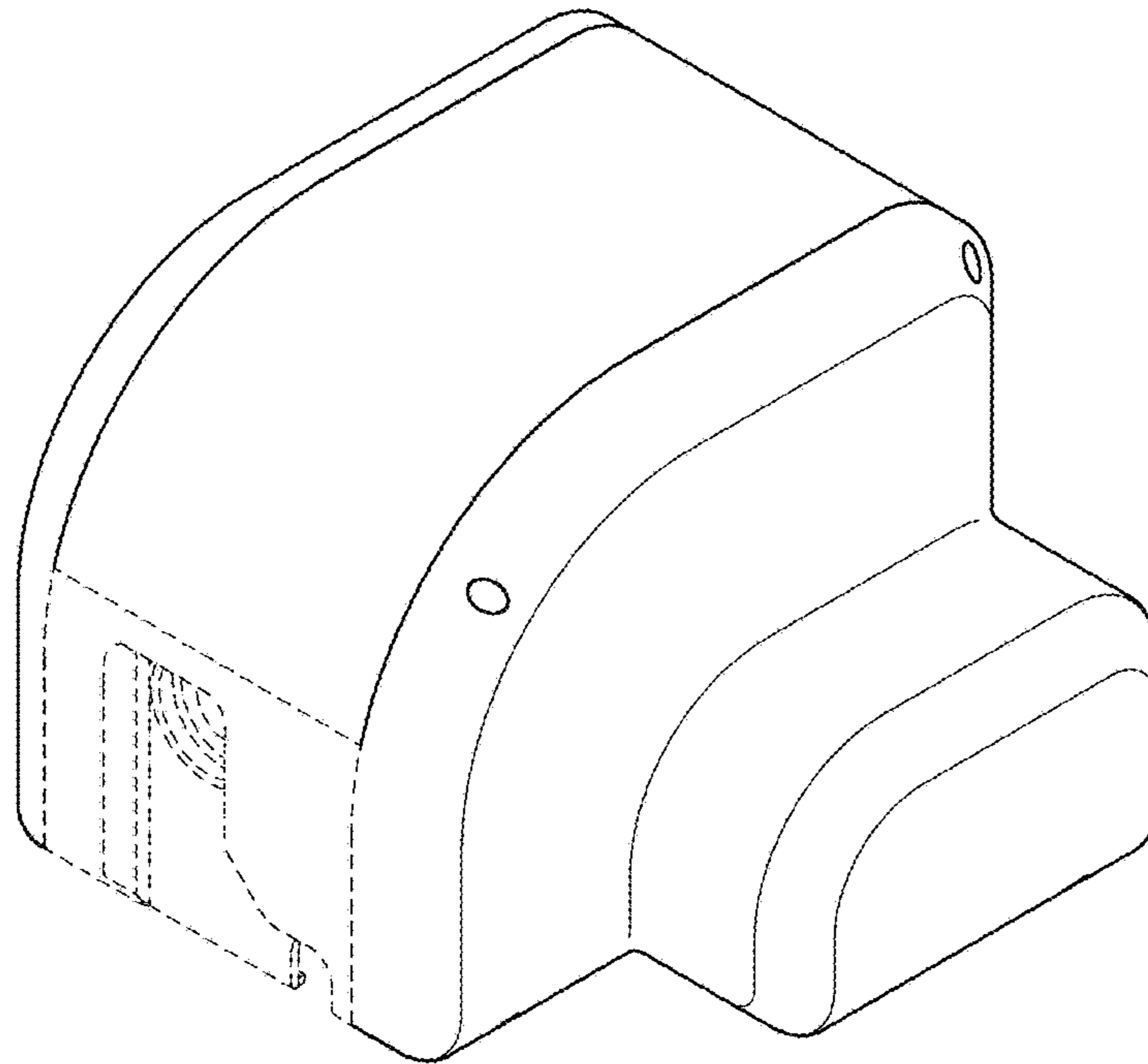


FIG. 8

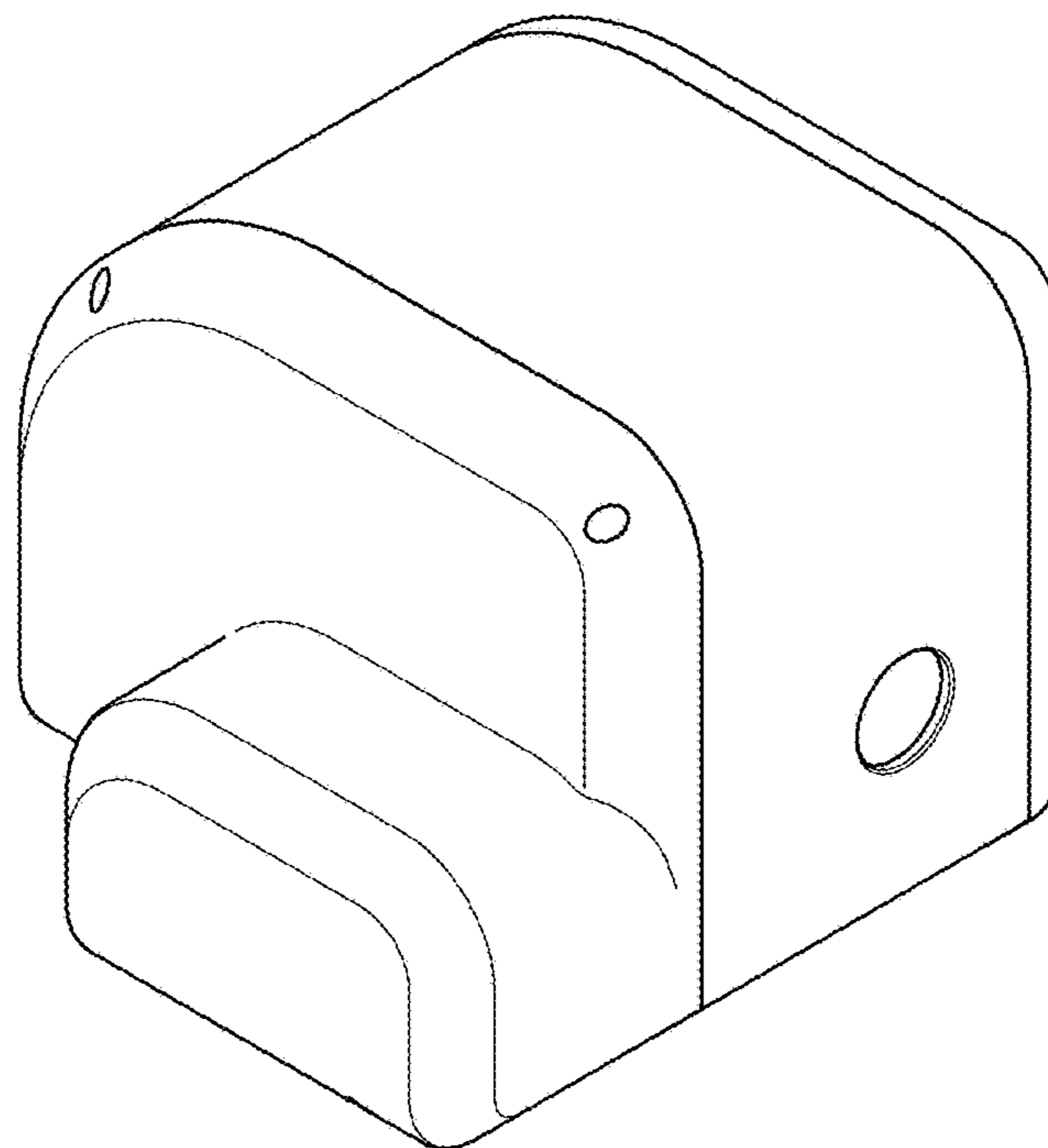


FIG. 9

