



US00D823285S

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

(10) **Patent No.:** **US D823,285 S**
(45) **Date of Patent:** **** Jul. 17, 2018**

- (54) **ANTENNA**
- (71) Applicant: **Airgain Incorporated**, San Diego, CA (US)
- (72) Inventor: **Mark Montgomery**, Melbourne Beach, FL (US)
- (73) Assignee: **Airgain Incorporated**, San Diego, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/606,668**
- (22) Filed: **Jun. 7, 2017**
- (51) **LOC (11) Cl.** **14-03**
- (52) **U.S. Cl.**
USPC **D14/230**
- (58) **Field of Classification Search**
USPC D14/230–238, 203.6, 204, 216, 221, D14/238.1, 240, 242, 299, 343, 358, 509; D13/182
CPC H01Q 7/00; H01Q 13/10; H01Q 9/285; H01Q 19/30; H01Q 19/12; H01Q 1/36; H01Q 1/38; H01Q 1/0475; H01Q 1/034; H05K 11/00; G05D 1/0234; G06K 19/07749
See application file for complete search history.

- 7,477,195 B2 1/2009 Vance
- D588,585 S * 3/2009 Montgomery D14/230
- D588,586 S * 3/2009 Montgomery D14/230
- D592,195 S 5/2009 Wu et al.
- 7,570,215 B2 8/2009 Abramov et al.
- D599,334 S 9/2009 Chiang
- D606,053 S 12/2009 Wu et al.
- D607,442 S 1/2010 Su et al.
- D608,769 S 1/2010 Bufe
- D612,368 S 3/2010 Yang et al.
- 7,705,783 B2 4/2010 Rao et al.
- 7,729,662 B2 6/2010 Abramov et al.
- D621,819 S 8/2010 Tsai et al.
- 7,843,390 B2 11/2010 Liu
- D633,483 S 3/2011 Su et al.
- D635,127 S 3/2011 Tsai et al.
- 7,907,971 B2 3/2011 Salo et al.
- D635,560 S 4/2011 Tsai et al.
- D635,963 S 4/2011 Podduturi
- D635,964 S 4/2011 Podduturi

(Continued)

Primary Examiner — Jeffrey D Asch
Assistant Examiner — Rebekah A Caruso
(74) *Attorney, Agent, or Firm* — Clause Eight IPS; Michael Catania

(57) **CLAIM**

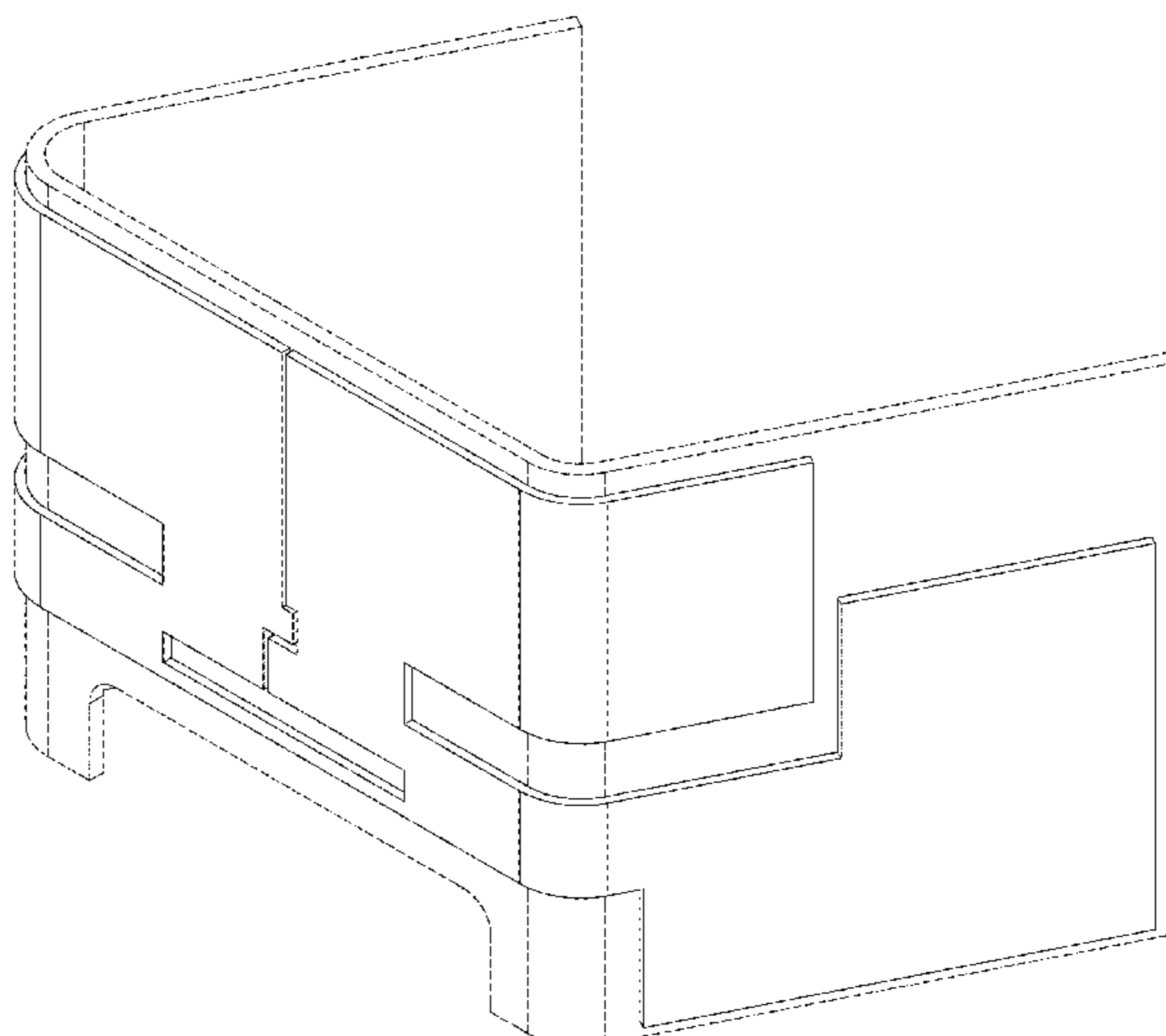
The ornamental design for an antenna, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of an antenna; FIG. 2 is a side elevation view thereof; FIG. 3 is an opposite side elevation view thereof; FIG. 4 is a bottom plan view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a rear elevation view thereof; and, FIG. 7 is a top perspective view thereof. The broken lines are for illustration purposes only and form no part of the claimed invention.

1 Claim, 7 Drawing Sheets

- (56) **References Cited**
U.S. PATENT DOCUMENTS
- 7,061,437 B2 6/2006 Lin et al.
- 7,148,849 B2 12/2006 Lin
- 7,215,296 B2 5/2007 Abramov et al.
- D546,821 S 7/2007 Oliver
- D549,696 S 8/2007 Oshima et al.
- 7,333,067 B2 2/2008 Hung et al.
- 7,336,959 B2 2/2008 Khitrik et al.
- D573,589 S 7/2008 Montgomery et al.
- 7,405,704 B1 8/2008 Lin et al.



(56)

References Cited

U.S. PATENT DOCUMENTS

D635,965 S	4/2011	Mi et al.	D703,196 S	4/2014	Zheng
D636,382 S	4/2011	Podduturi	D706,247 S	6/2014	Zheng et al.
7,965,242 B2	6/2011	Abramov et al.	D706,750 S	6/2014	Bringuir
D649,962 S	12/2011	Tseng et al.	D706,751 S	6/2014	Chang et al.
D651,198 S	12/2011	Mi et al.	D708,602 S	7/2014	Gosalia et al.
D654,059 S	2/2012	Mi et al.	D709,053 S	7/2014	Chang et al.
D654,060 S	2/2012	Ko et al.	D710,832 S	8/2014	Yang
D658,639 S	5/2012	Huang et al.	D710,833 S	8/2014	Zheng et al.
D659,129 S	5/2012	Mi et al.	8,854,265 B1	10/2014	Yang et al.
D659,685 S	5/2012	Huang et al.	D716,775 S	11/2014	Bidermann
D659,688 S	5/2012	Huang et al.	9,432,070 B2	8/2016	Mercer
8,175,036 B2	5/2012	Visuri et al.	D767,542 S *	9/2016	Chang D14/230
8,184,601 B2	5/2012	Abramov et al.	D786,840 S *	5/2017	He D14/230
D662,916 S	7/2012	Huang et al.	D793,997 S *	8/2017	Podduturi D14/230
8,248,970 B2	8/2012	Abramov et al.	D801,957 S *	11/2017	He D14/230
D671,097 S	11/2012	Mi et al.	D815,072 S *	4/2018	Chang D14/230
8,310,402 B2	11/2012	Yang	2002/0003499 A1	1/2002	Kouam et al.
D676,429 S	2/2013	Gosalia et al.	2004/0222936 A1	11/2004	Hung et al.
D678,255 S	3/2013	Ko et al.	2005/0073462 A1	4/2005	Lin et al.
8,423,084 B2	4/2013	Abramov et al.	2005/0190108 A1	9/2005	Lin et al.
D684,565 S	6/2013	Wei	2006/0208900 A1	9/2006	Tavassoli Hozouri
D685,352 S	7/2013	Wei	2007/0030203 A1	2/2007	Tsai et al.
D685,772 S	7/2013	Zheng et al.	2008/0150829 A1	6/2008	Lin et al.
D686,600 S	7/2013	Yang	2009/0002244 A1	1/2009	Woo
D689,474 S	9/2013	Yang et al.	2009/0058739 A1	3/2009	Konishi
D692,870 S	11/2013	He	2009/0135072 A1	5/2009	Ke et al.
D694,738 S	12/2013	Yang	2009/0262028 A1	10/2009	Murnbru et al.
D695,279 S	12/2013	Yang et al.	2010/0188297 A1	7/2010	Chen et al.
D695,280 S	12/2013	Yang et al.	2010/0309067 A1	12/2010	Tsou et al.
8,654,030 B1	2/2014	Mercer	2011/0006950 A1	1/2011	Park et al.
D703,195 S	4/2014	Zheng	2012/0038514 A1	2/2012	Bang
			2012/0229348 A1	9/2012	Chiang
			2012/0242546 A1	9/2012	Hu et al.

* cited by examiner

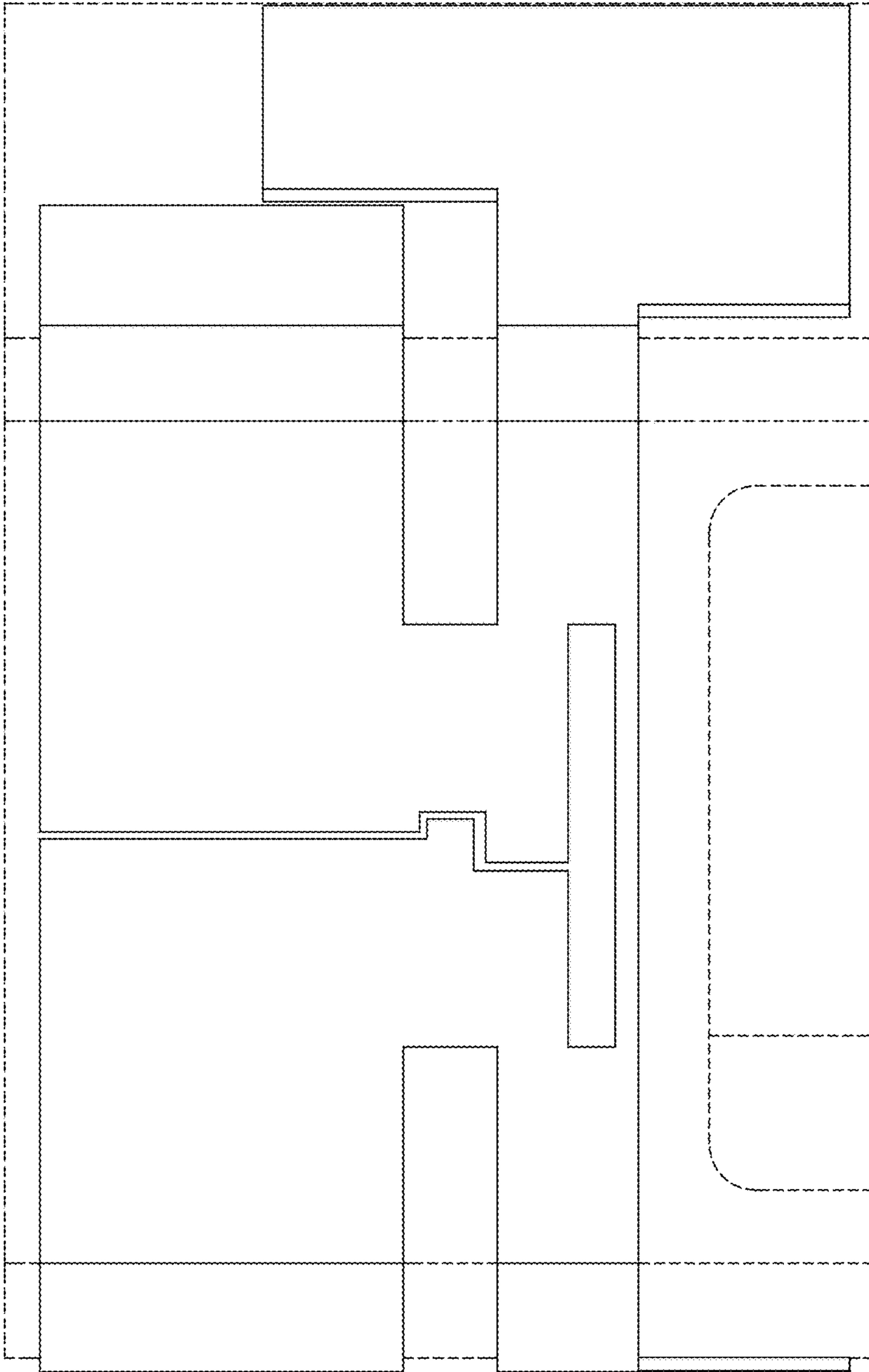


FIG. 1

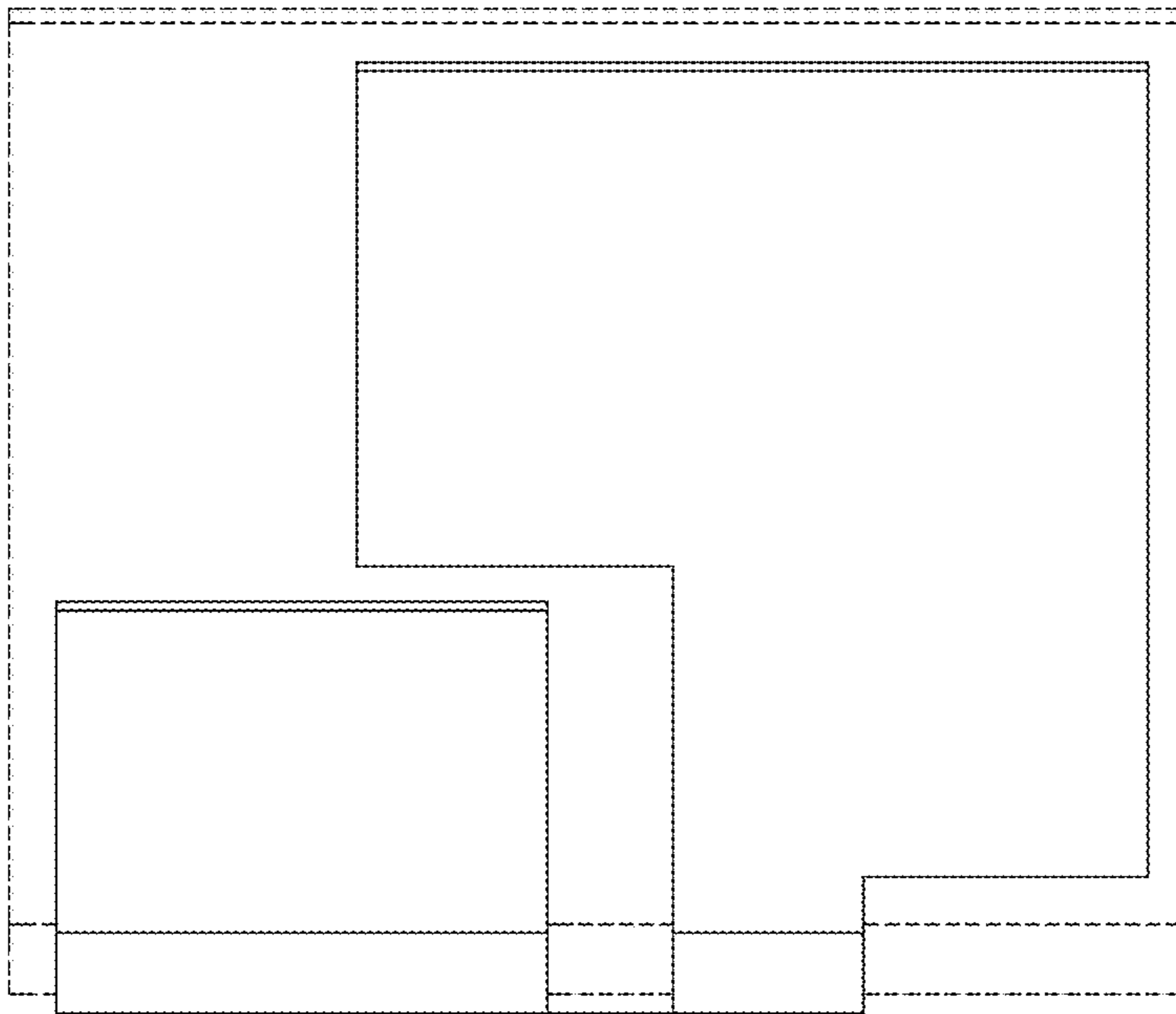


FIG. 2

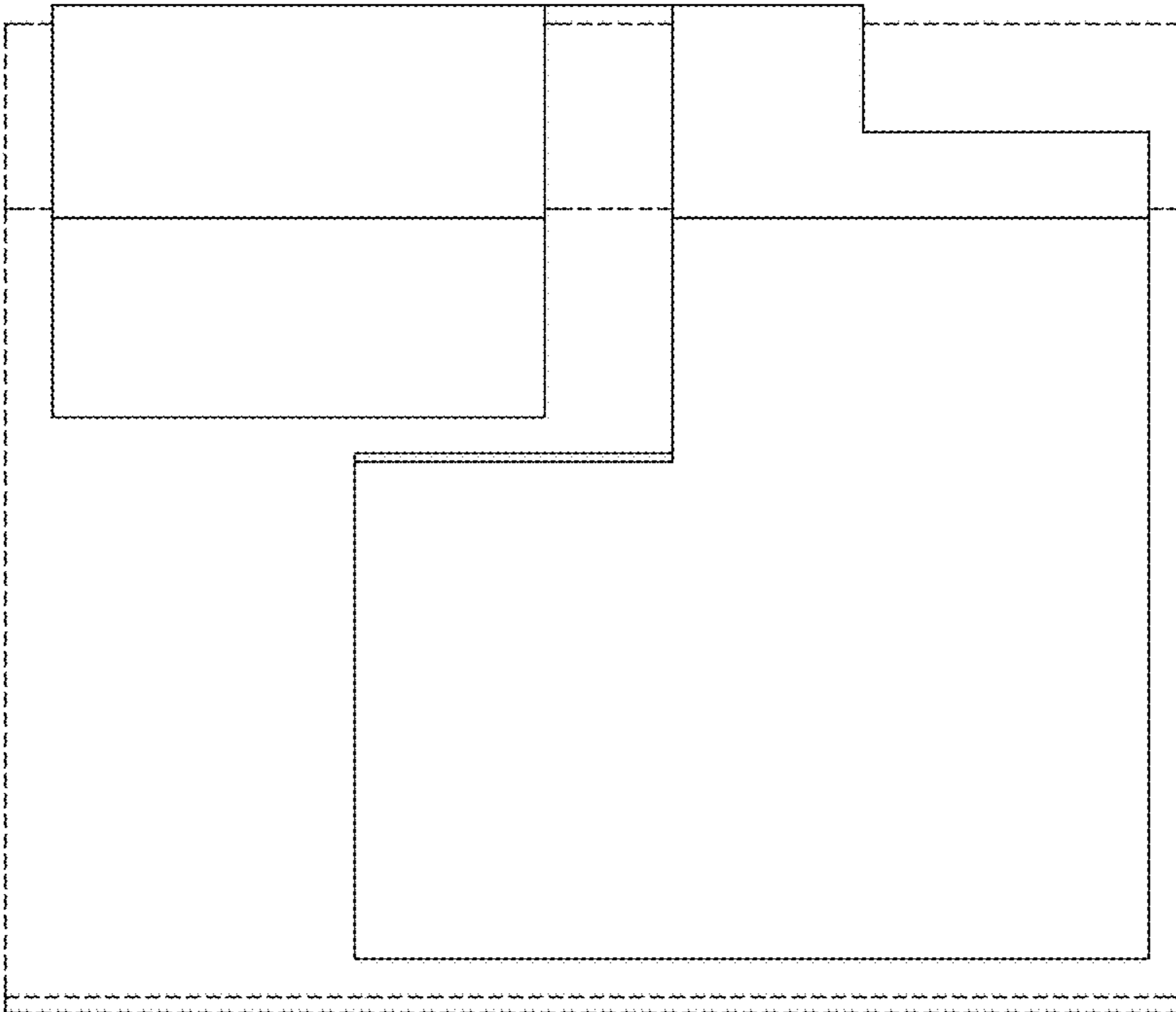


FIG. 3

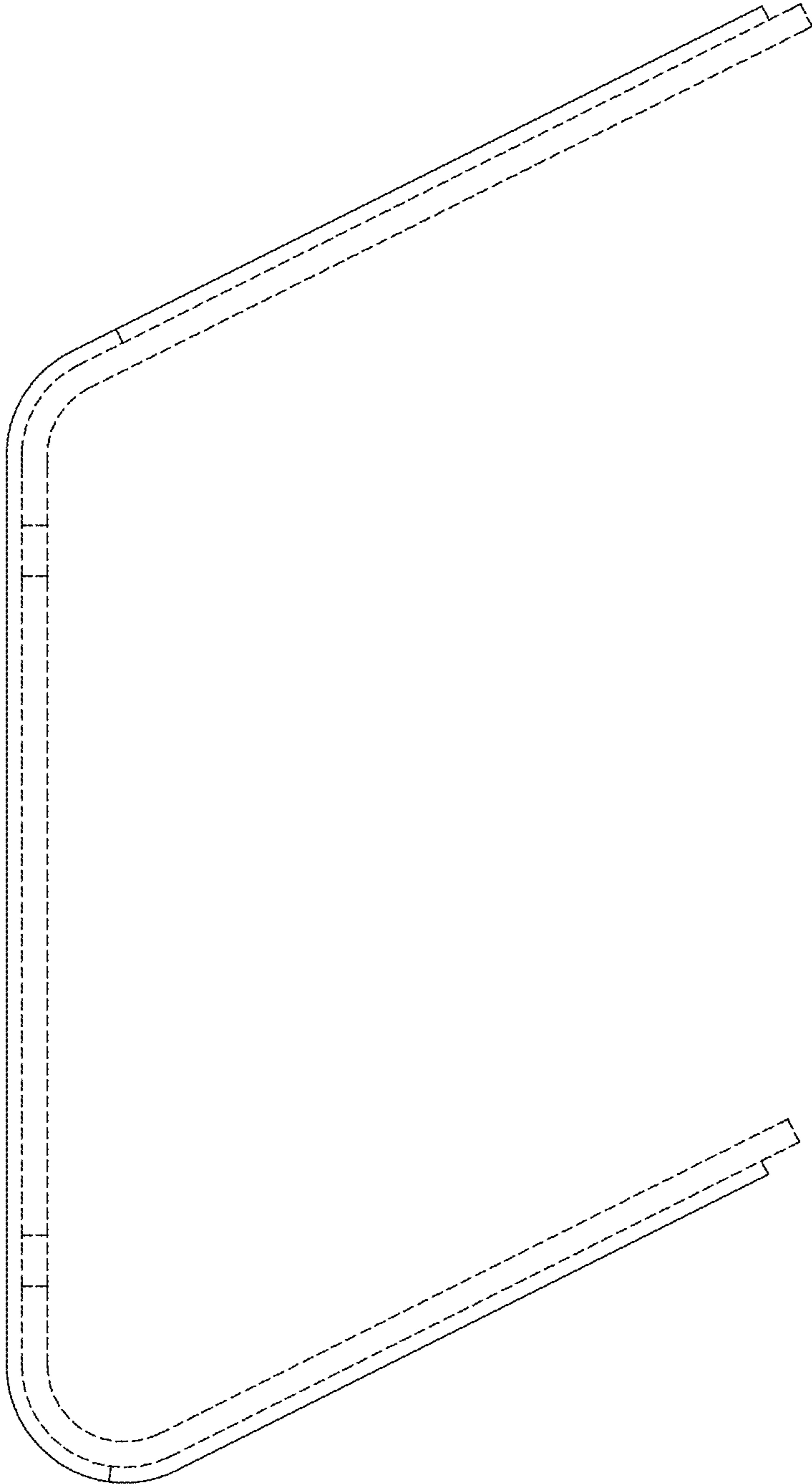


FIG. 4

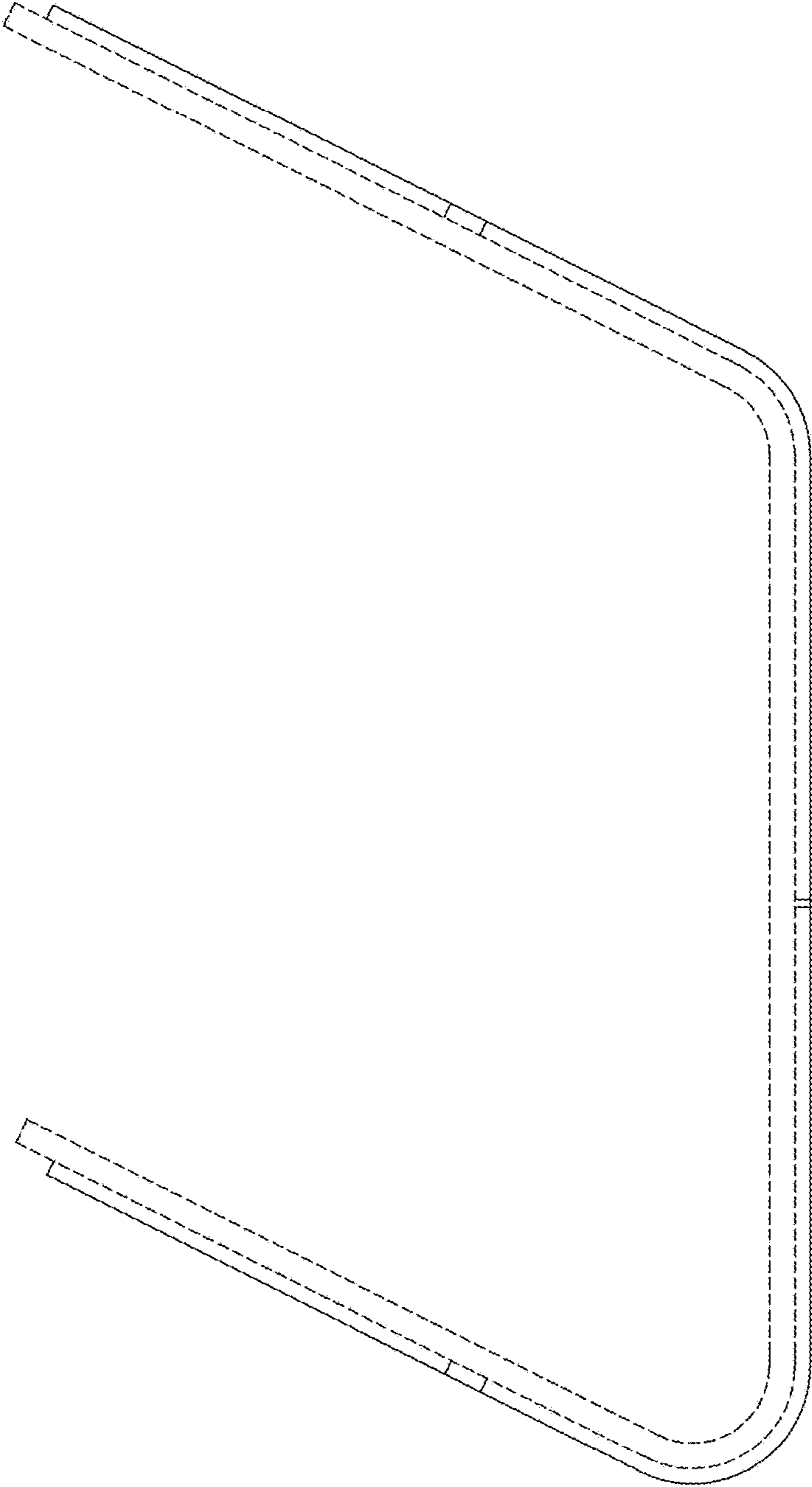


FIG. 5

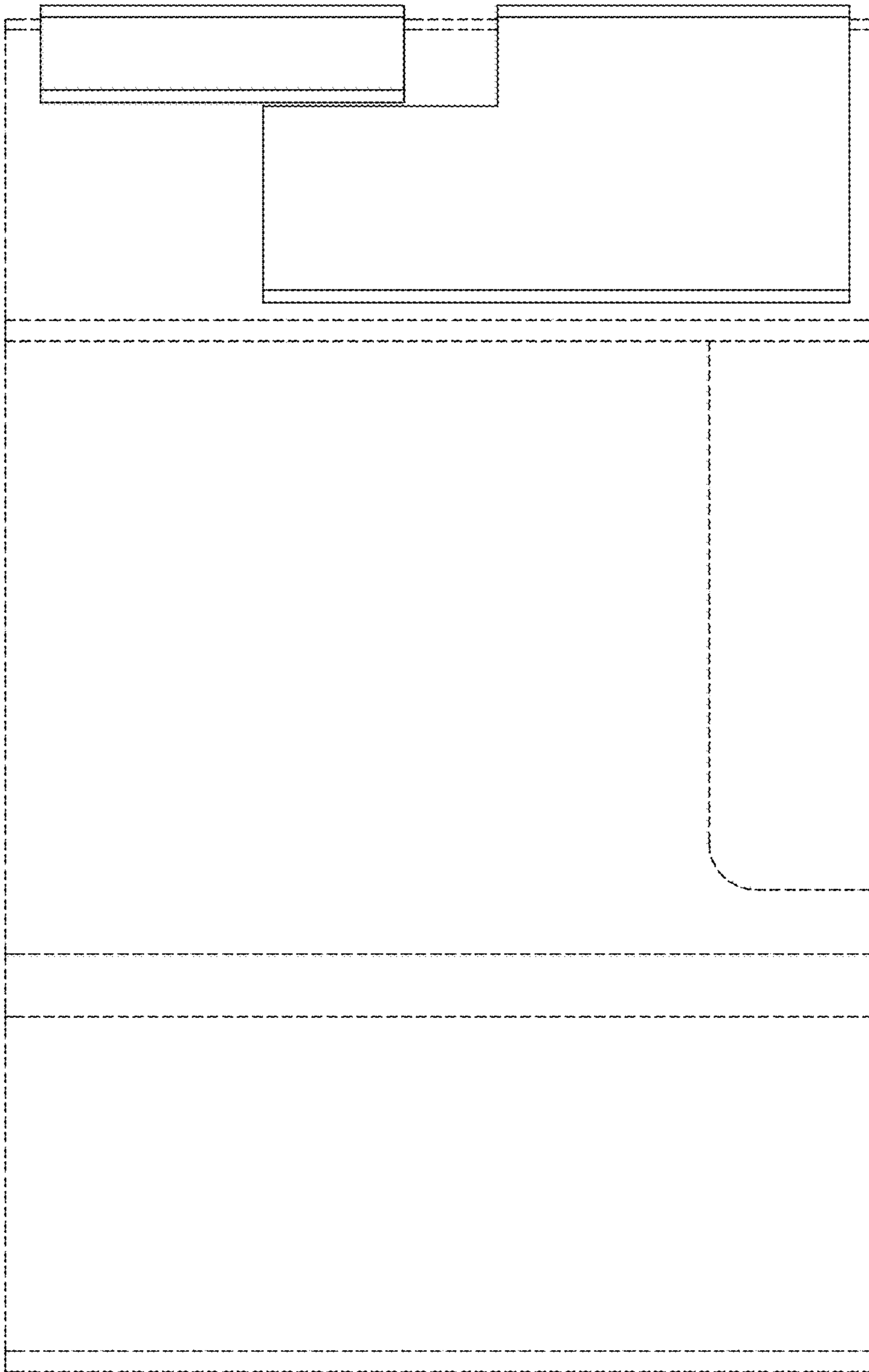


FIG. 6

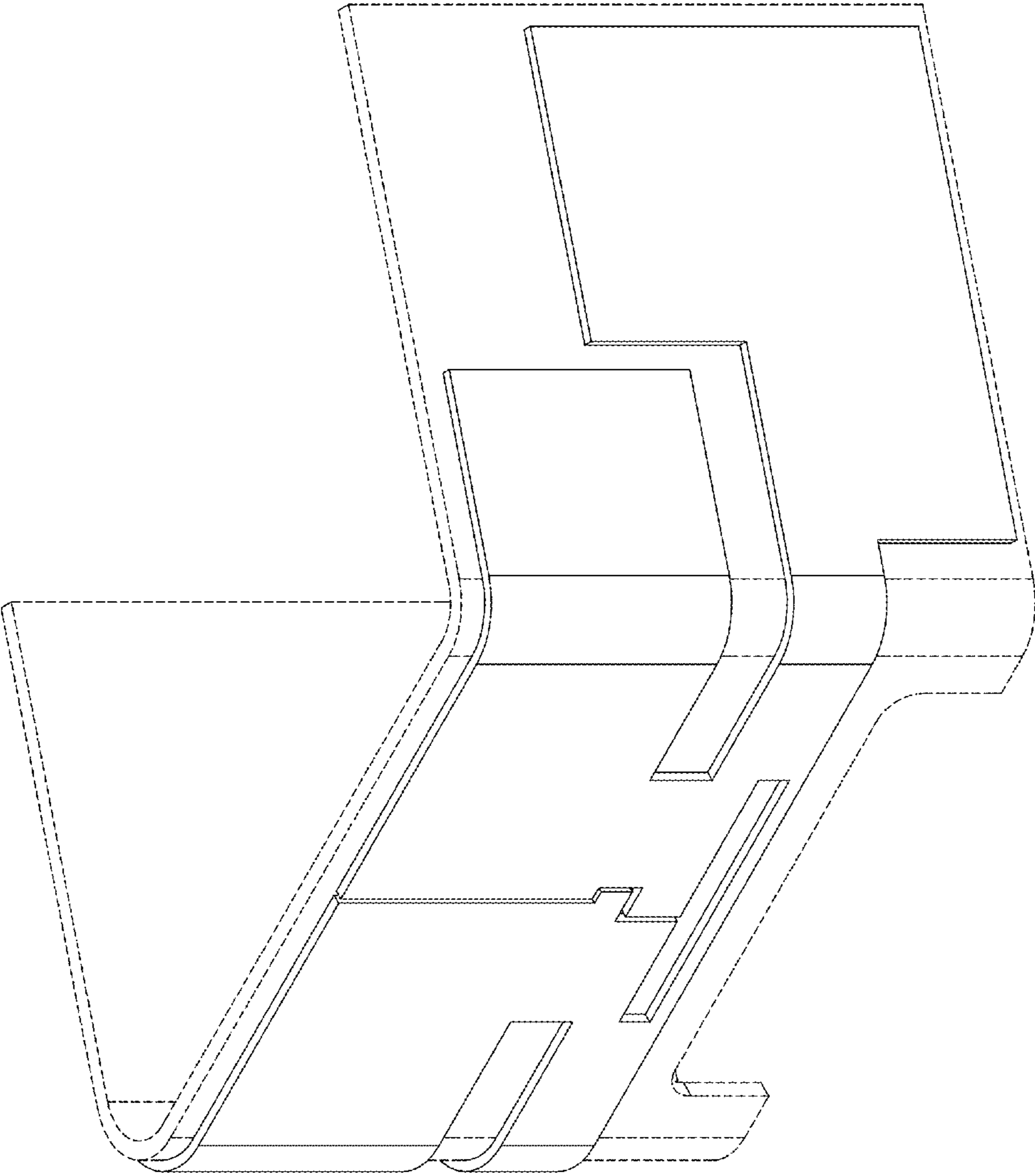


FIG. 7