



US00D870544S

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

(10) **Patent No.:** **US D870,544 S**
(45) **Date of Patent:** **** Dec. 24, 2019**

- (54) **CONNECTOR**
- (71) Applicant: **Shenter Enterprise Co., Ltd.,**
Chang-Hua Hsien (TW)
- (72) Inventors: **Ming-Hsiao Lai,** Chang-Hua Hsien
(TW); **Kuo-Shu Huang,** Changhua
(TW)
- (73) Assignee: **SHENTER ENTERPRISE CO., LTD.,**
Chang-Hua Hsien (TW)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/655,915**
- (22) Filed: **Jul. 9, 2018**
- (51) **LOC (12) Cl.** **08-08**
- (52) **U.S. Cl.**
USPC **D8/382**
- (58) **Field of Classification Search**
USPC D8/349, 373, 354, 380, 381, 382, 394,
D8/395; D14/308, 311, 312, 313, 432,
D14/433, 471, 299; D6/702, 707.17, 709
CPC . A47B 95/00; A47B 96/1433; A47B 96/1441;
A47B 2220/0002; A47B 2220/0036;
A47B 2220/0038; A47B 2220/0041;
A47B 2220/0044; F16B 12/00; F16B
12/10; F16B 12/40; F16B 12/42; F16B
12/44; F16B 12/46; F16B 12/48; F16B
12/50; F16B 12/52
See application file for complete search history.

- 4,406,374 A * 9/1983 Yedor A47B 57/40
211/192
- 4,455,007 A * 6/1984 Varon A47F 5/00
248/251
- 4,515,494 A * 5/1985 Robilliard A47B 57/402
403/187
- 5,284,311 A * 2/1994 Baer A47B 57/402
248/243
- D416,471 S * 11/1999 Wurdack D8/363
- D416,786 S * 11/1999 Chen D8/382
- 6,109,461 A * 8/2000 Kluge A47B 57/30
211/103
- D467,792 S * 12/2002 Zadak A47F 5/0823
D8/354
- D495,588 S * 9/2004 Wurdack D8/367
- D547,163 S * 7/2007 Xayoiphonh D8/363
- D550,540 S * 9/2007 Nawrocki D8/354
- 7,575,212 B1 * 8/2009 Langelius A47B 57/42
211/192
- D651,963 S * 1/2012 Barkdoll D12/223

(Continued)

Primary Examiner — Sandra S Snapp
Assistant Examiner — Ieisha N Price
(74) *Attorney, Agent, or Firm* — Egbert Law Offices,
PLLC

(57) **CLAIM**

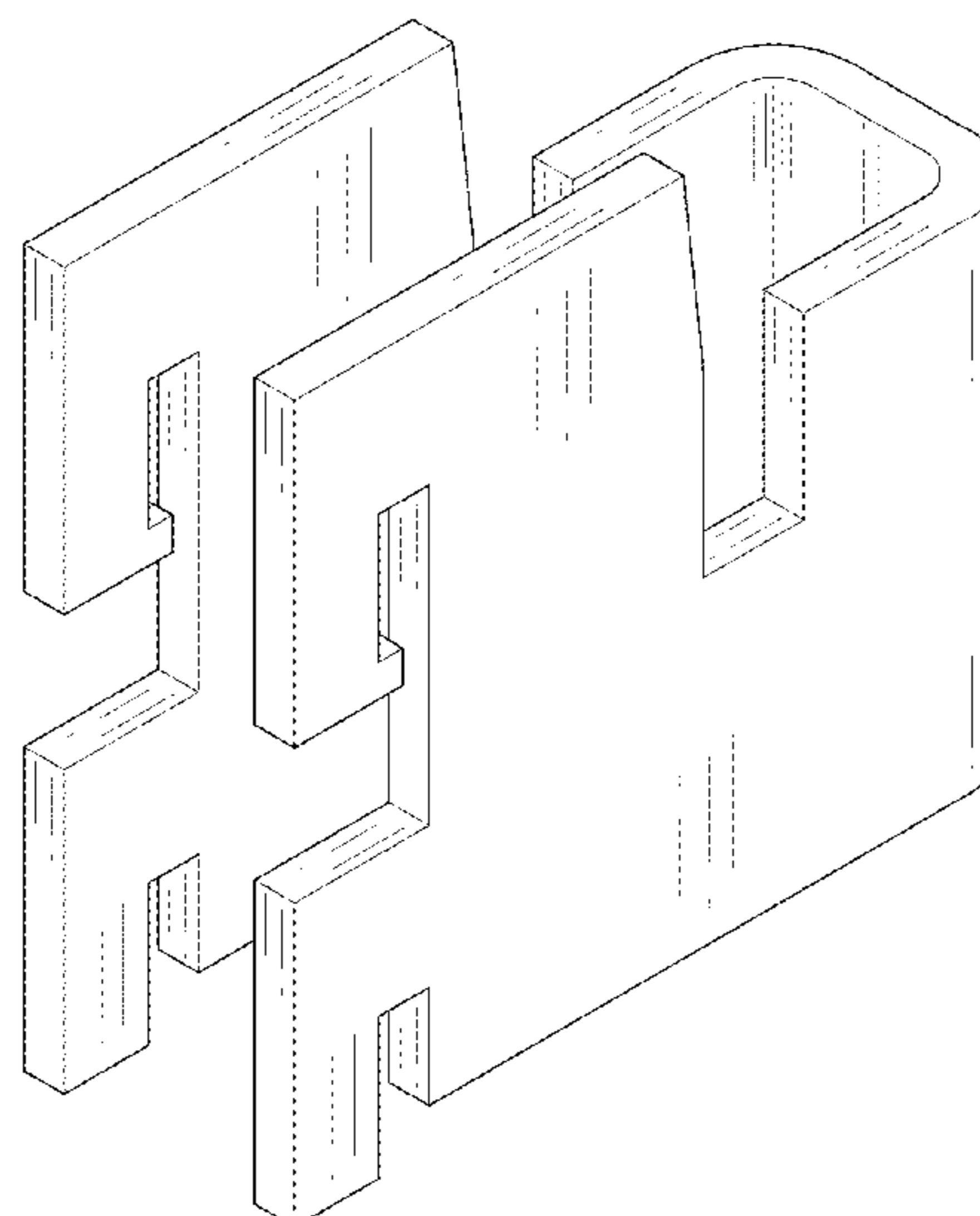
The ornamental design for a connector, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a connector showing our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.

1 Claim, 7 Drawing Sheets

- (56) **References Cited**
U.S. PATENT DOCUMENTS
- 3,631,821 A * 1/1972 Zachariou A47B 57/42
108/152
- 3,697,034 A * 10/1972 Shell A47B 57/42
248/243
- 3,858,988 A * 1/1975 Cohen F16B 7/22
403/18
- D270,476 S * 9/1983 Black D25/68



(56)

References Cited

U.S. PATENT DOCUMENTS

8,087,521 B2 * 1/2012 Schwartzkopf A47B 96/061
211/103
9,316,004 B1 * 4/2016 Hatzinikolas F16M 13/02
D767,370 S * 9/2016 Yato D8/354
D768,466 S * 10/2016 Simmons D8/354
D826,701 S * 8/2018 Lu D8/381
D832,083 S * 10/2018 Larsen D8/354
10,299,588 B1 * 5/2019 Lai A47B 95/00
10,342,346 B2 * 7/2019 Hansen
10,368,639 B1 * 8/2019 Lai A47B 96/1433
2002/0104938 A1 * 8/2002 Simard A47B 57/34
248/218.4
2007/0187561 A1 * 8/2007 Xayoiphonh A47B 43/00
248/235
2015/0152903 A1 * 6/2015 Lin F16B 12/10
248/213.2
2016/0305113 A1 * 10/2016 Hatzinikolas E04F 13/0801
2016/0320034 A1 * 11/2016 Wessel F21V 21/088
2017/0340114 A1 * 11/2017 Choi A47B 47/00
2018/0289151 A1 * 10/2018 Dahatonde A47B 47/0083

* cited by examiner

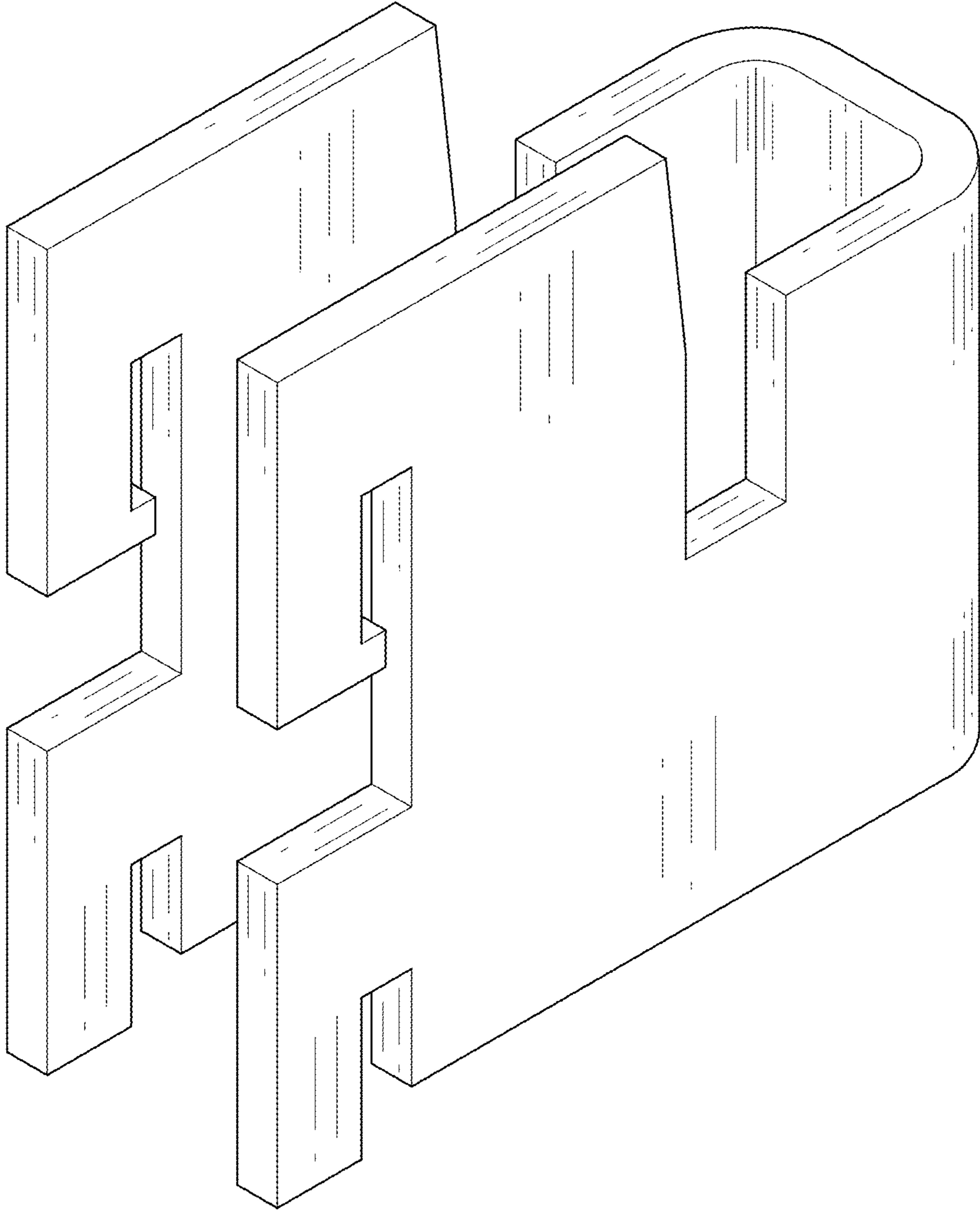


FIG. 1

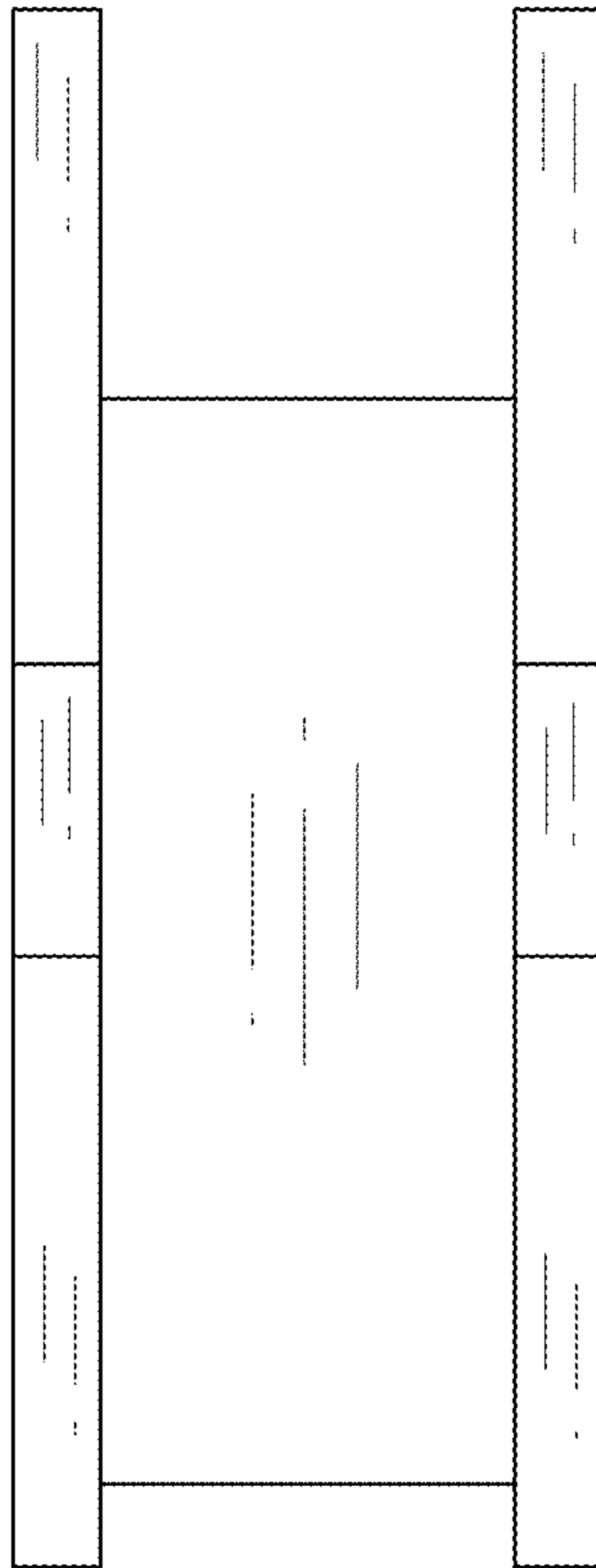


FIG. 2

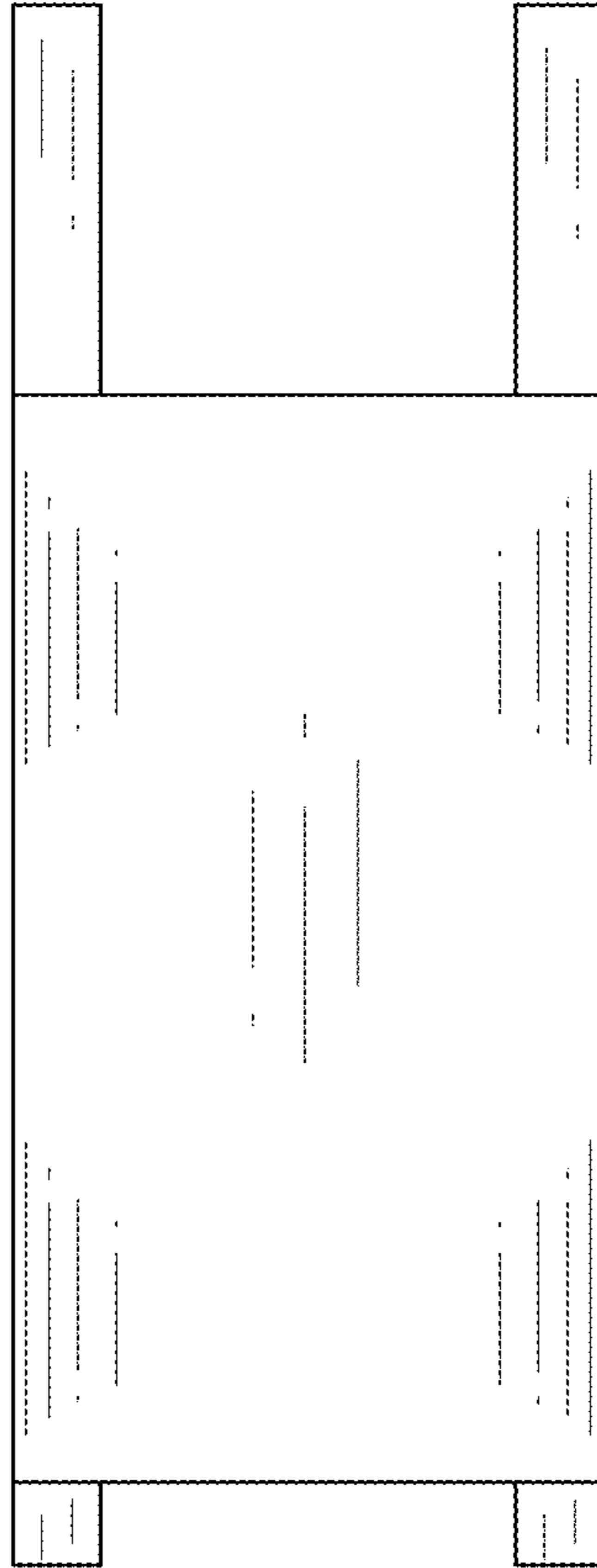


FIG. 3

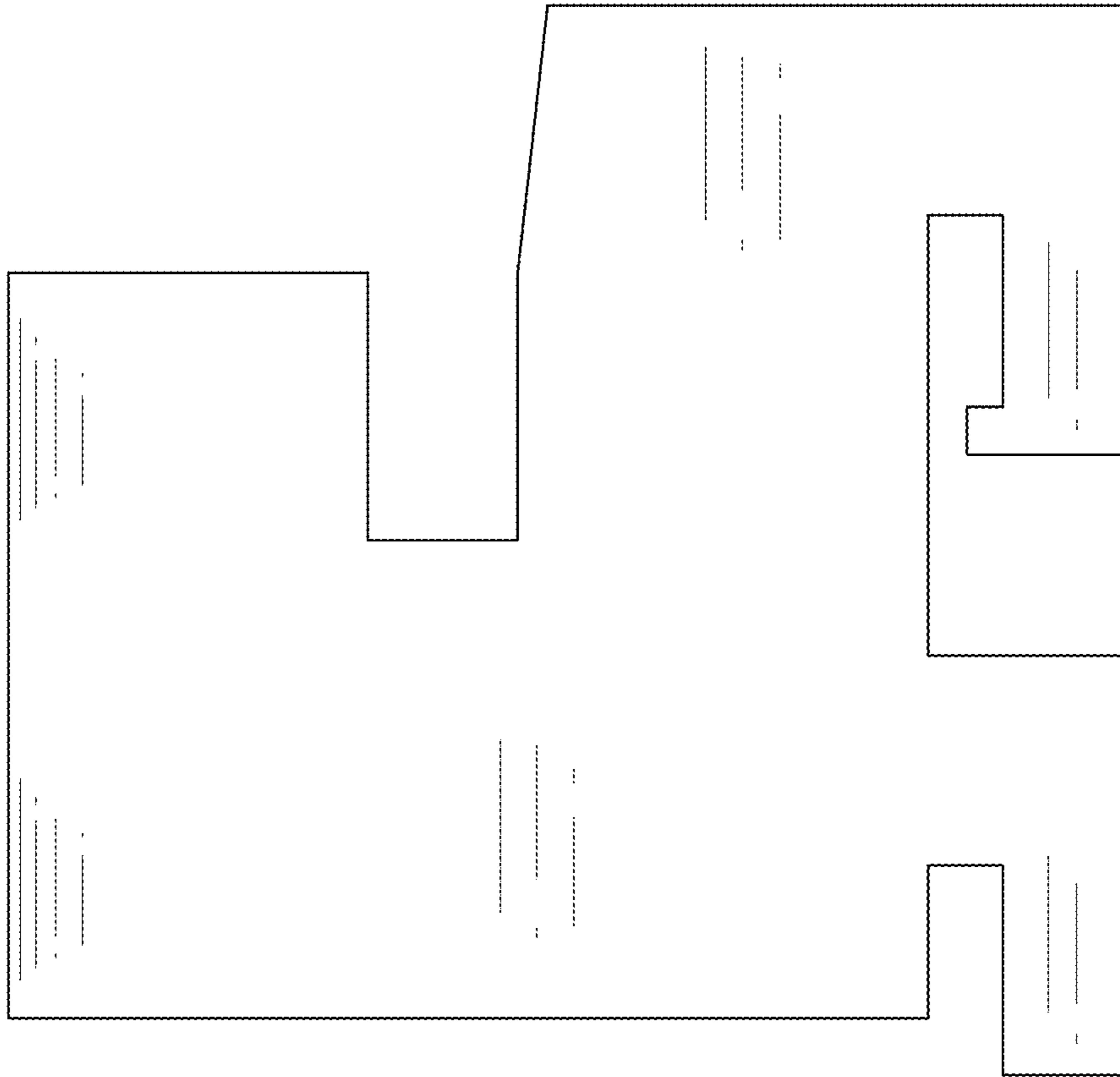


FIG. 4

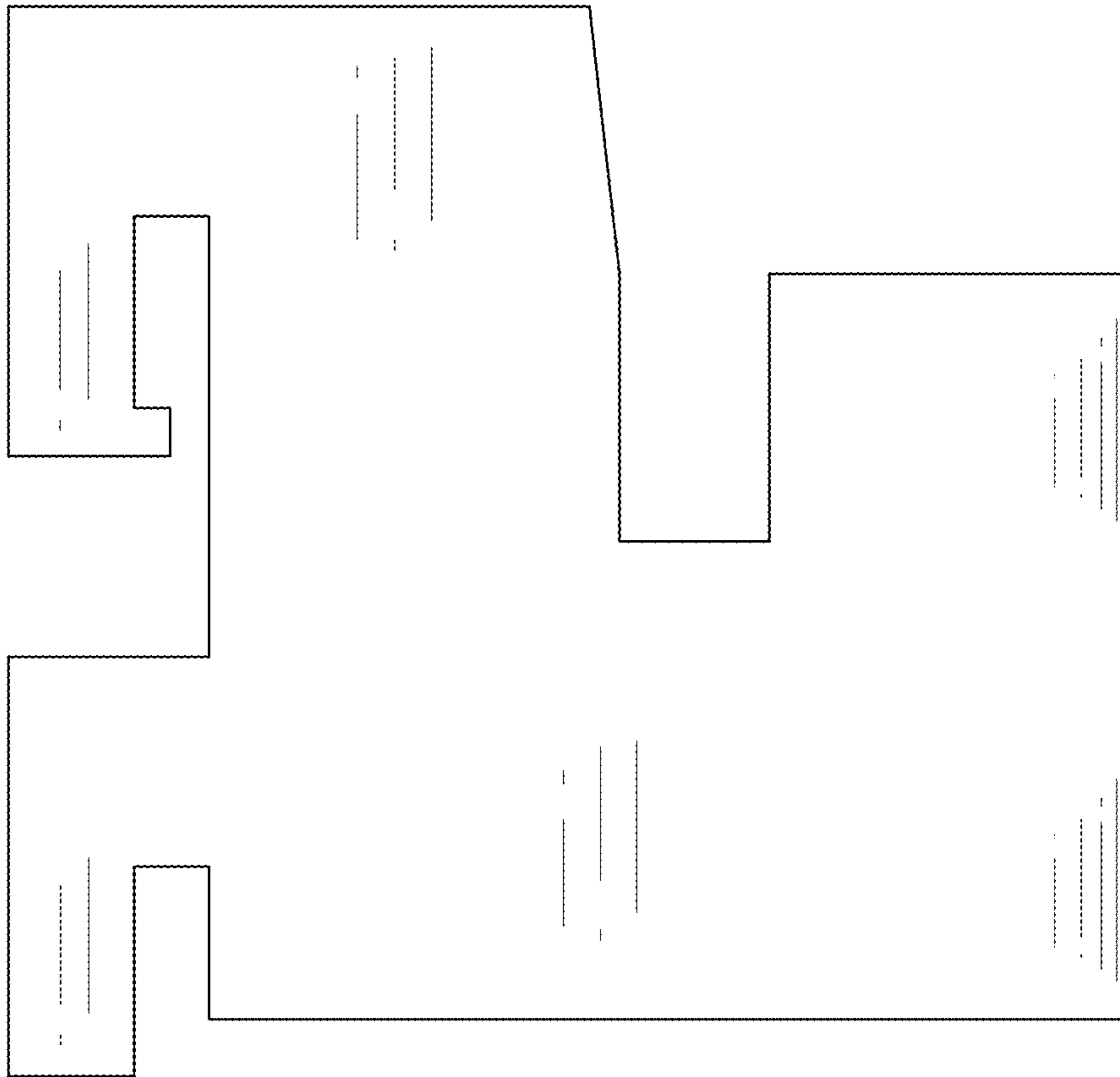


FIG. 5

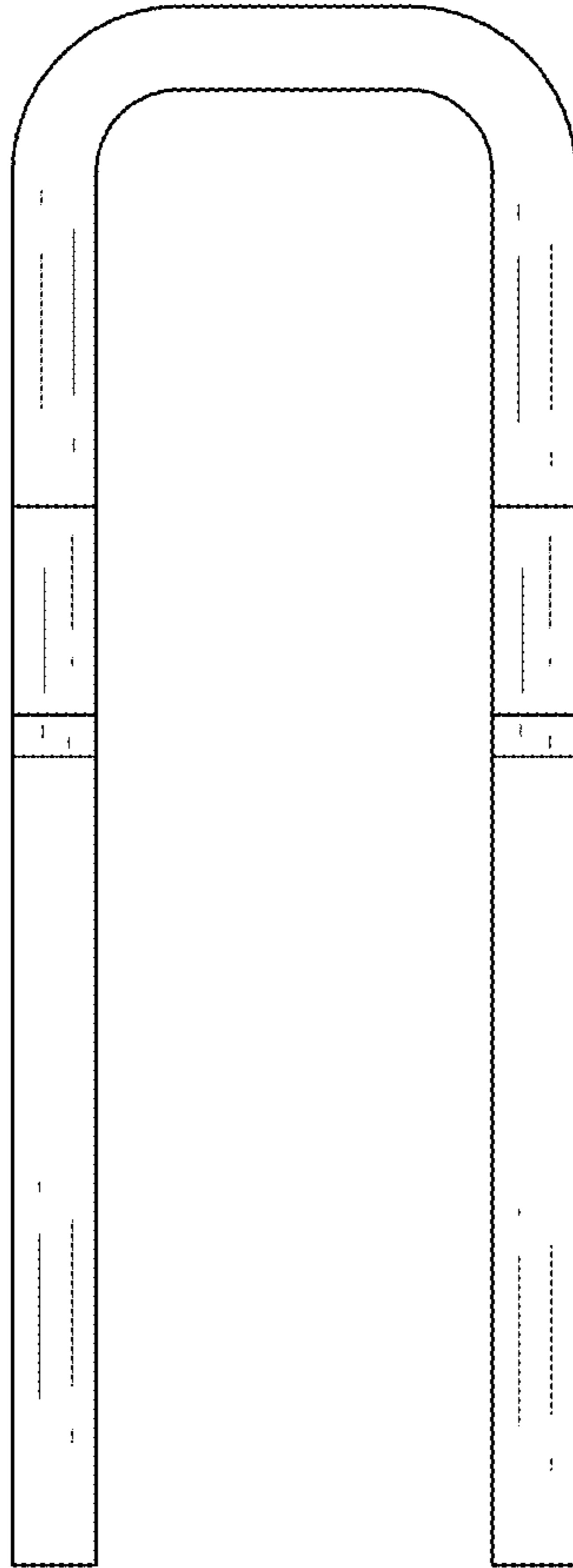


FIG. 6

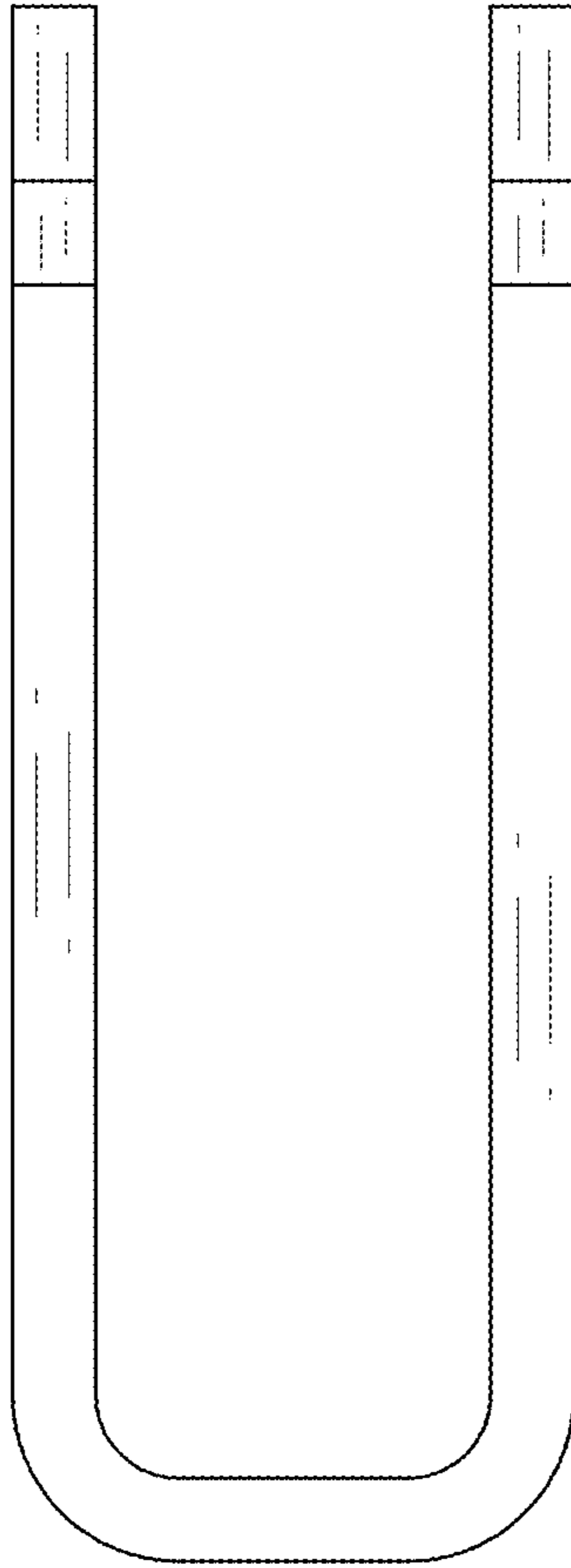


FIG. 7