



US00D899368S

(12) **United States Design Patent** (10) **Patent No.:** **US D899,368 S**
Thyagaraj et al. (45) **Date of Patent:** **** Oct. 20, 2020**

(54) **CONNECTOR ASSEMBLY**

(71) Applicant: **Molex, LLC**, Lisle, IL (US)

(72) Inventors: **Harsha Thyagaraj**, Bangalore (IN);
Pierre Perez, Aurora, IL (US)

(73) Assignee: **Molex, LLC**, Lisle, IL (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/679,015**

(22) Filed: **Jan. 31, 2019**

(51) **LOC (12) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/133; D13/147**

(58) **Field of Classification Search**
USPC **D13/133, 146, 147, 153, 154, 155, 184**
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,169,336 A * 12/1992 Taguchi H01R 13/64
439/354
5,876,230 A * 3/1999 Nishide H01R 13/6272
439/352

(Continued)

OTHER PUBLICATIONS

D207799-014, Thyagaraj et al. Connector Assembly May 15, 2020.
[online], [retrieved on May 27, 2020], Retrieved from: Orbit data-
base.*

Primary Examiner — Karen E Kearney

Assistant Examiner — Michael Chong

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front perspective view of a connector assembly
showing our new design;

FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is a front perspective view of an alternate embodi-
ment of the connector assembly showing our new design;
FIG. 9 is a front view thereof;
FIG. 10 is a rear view thereof;
FIG. 11 is a right side view thereof;
FIG. 12 is a left side view thereof;
FIG. 13 is a top view thereof;
FIG. 14 is a bottom view thereof;
FIG. 15 is a front perspective view of an alternate embodi-
ment of the connector assembly showing our new design;
FIG. 16 is a front view thereof;
FIG. 17 is a rear view thereof;
FIG. 18 is a right side view thereof;
FIG. 19 is a left side view thereof;
FIG. 20 is a top view thereof;
FIG. 21 is a bottom view thereof;
FIG. 22 is a front perspective view of an alternate embodi-
ment of the connector assembly showing our new design;
FIG. 23 is a front view thereof;
FIG. 24 is a rear view thereof;
FIG. 25 is a right side view thereof;
FIG. 26 is a left side view thereof;
FIG. 27 is a top view thereof;
FIG. 28 is a bottom view thereof;
FIG. 29 is a front perspective view of an alternate embodi-
ment of the connector assembly showing our new design;
FIG. 30 is a front view thereof;
FIG. 31 is a rear view thereof;
FIG. 32 is a right side view thereof;
FIG. 33 is a left side view thereof;
FIG. 34 is a top view thereof;
FIG. 35 is a bottom view thereof;
FIG. 36 is a front perspective view of an alternate embodi-
ment of a connector assembly which is a mirror image of the
connector assembly of FIGS. 1-7;
FIG. 37 is a front view thereof;
FIG. 38 is a rear view thereof;

(Continued)

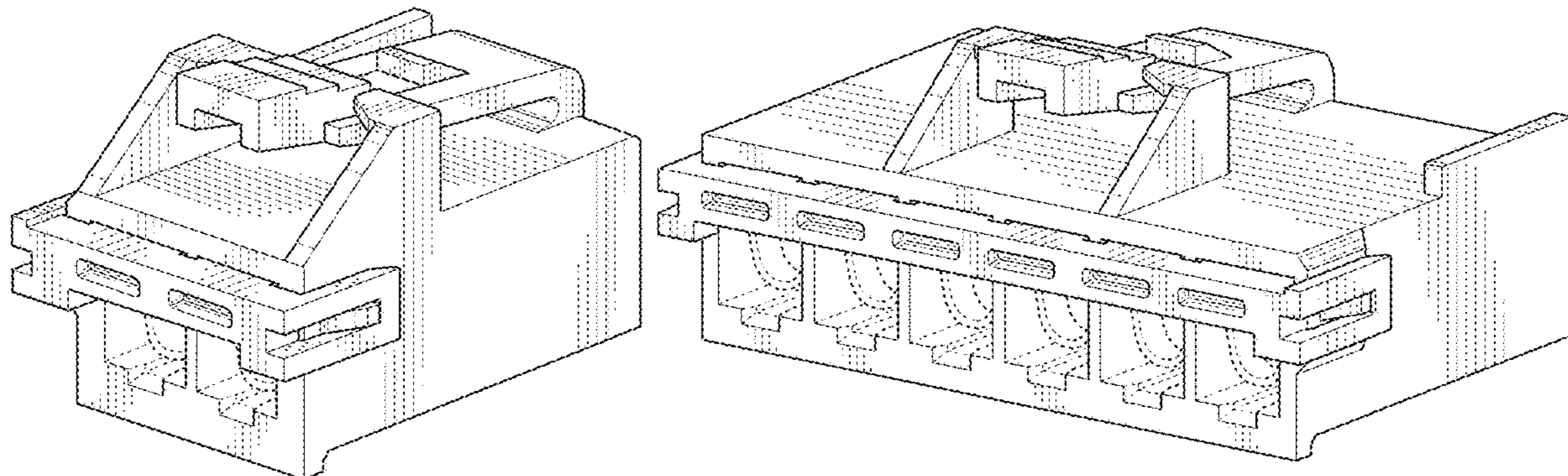


FIG. 39 is a right side view thereof;
 FIG. 40 is a left side view thereof;
 FIG. 41 is a top view thereof;
 FIG. 42 is a bottom view thereof;
 FIG. 43 is a front perspective view of an alternate embodiment of a connector assembly which is a mirror image of the connector assembly of FIGS. 8-14;
 FIG. 44 is a front view thereof;
 FIG. 45 is a rear view thereof;
 FIG. 46 is a right side view thereof;
 FIG. 47 is a left side view thereof;
 FIG. 48 is a top view thereof;
 FIG. 49 is a bottom view thereof;
 FIG. 50 is a front perspective view of an alternate embodiment of a connector assembly which is a mirror image of the connector assembly of FIGS. 15-21;
 FIG. 51 is a front view thereof;
 FIG. 52 is a rear view thereof;
 FIG. 53 is a right side view thereof;
 FIG. 54 is a left side view thereof;
 FIG. 55 is a top view thereof;
 FIG. 56 is a bottom view thereof;
 FIG. 57 is a front perspective view of an alternate embodiment of a connector assembly which is a mirror image of the connector assembly of FIGS. 22-28;
 FIG. 58 is a front view thereof;
 FIG. 59 is a rear view thereof;
 FIG. 60 is a right side view thereof;
 FIG. 61 is a left side view thereof;
 FIG. 62 is a top view thereof;
 FIG. 63 is a bottom view thereof;
 FIG. 64 is a front perspective view of an alternate embodiment of a connector assembly which is a mirror image of the connector assembly of FIGS. 29-35;
 FIG. 65 is a front view thereof;

FIG. 66 is a rear view thereof;
 FIG. 67 is a right side view thereof;
 FIG. 68 is a left side view thereof;
 FIG. 69 is a top view thereof; and,
 FIG. 70 is a bottom view thereof.

The broken lines depicting the remainder of the connector assembly show features that form no part of the claimed design.

1 Claim, 70 Drawing Sheets

(58) **Field of Classification Search**

CPC H01R 13/02; H01R 13/436; H01R 13/502;
 H01R 13/504; H01R 13/506; H01R
 13/58; H01R 13/627; H01R 13/6315;
 H01R 13/6586

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,241,547	B1 *	6/2001	Fukuda	H01R 13/641
				439/352
D791,080	S *	7/2017	Li	D13/133
D791,082	S	7/2017	Li et al.	
D791,705	S	7/2017	Li et al.	
D791,706	S *	7/2017	Li	D13/147
D791,707	S *	7/2017	Li	D13/147
D792,851	S *	7/2017	Li	D13/147
D792,852	S *	7/2017	Li	D13/147
D792,853	S *	7/2017	Li	D13/147
D802,538	S *	11/2017	Li	D13/147
D803,162	S *	11/2017	Li	D13/147
10,461,458	B2 *	10/2019	Kim	H01R 13/4362

* cited by examiner

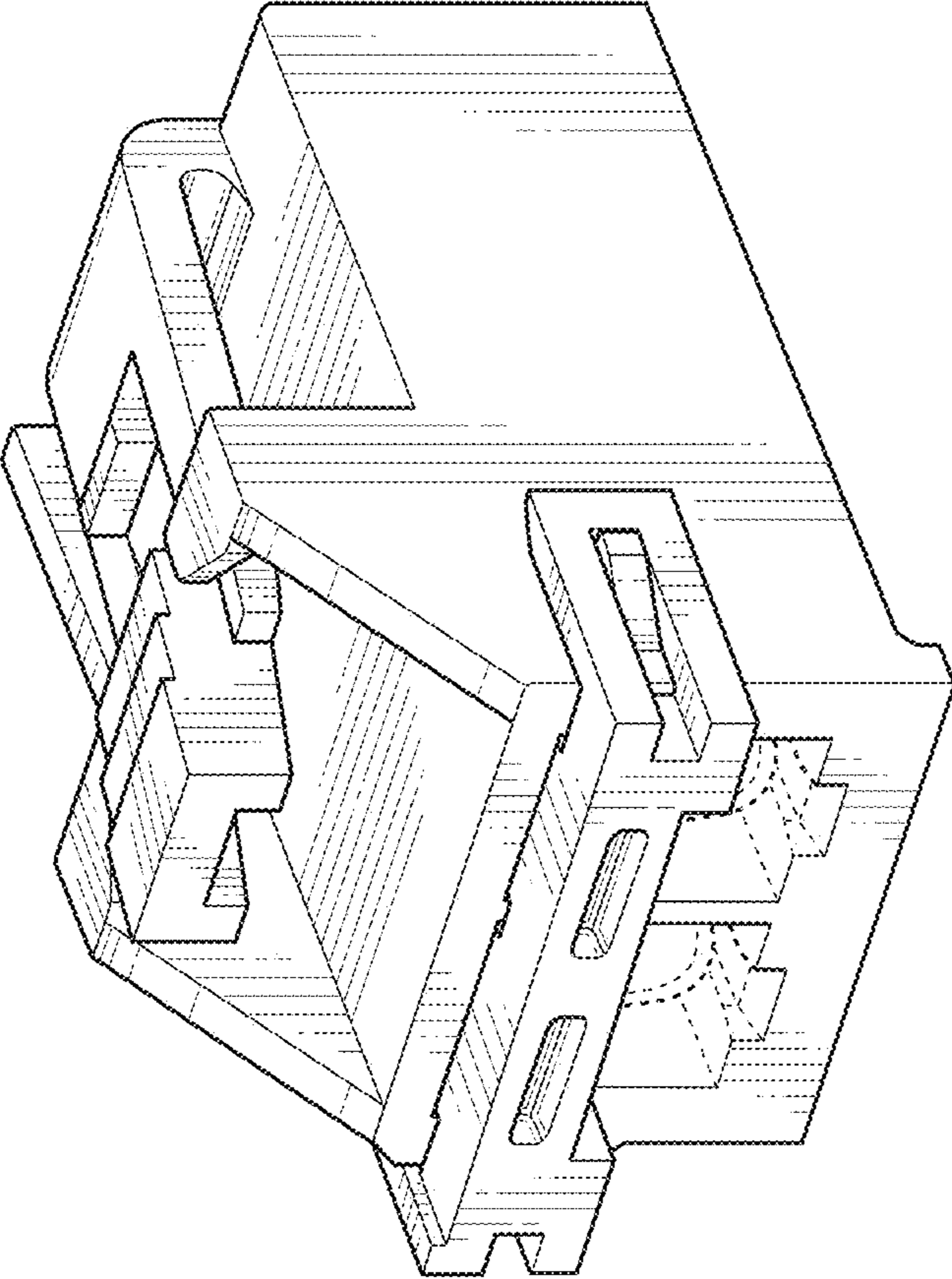


FIG. 1

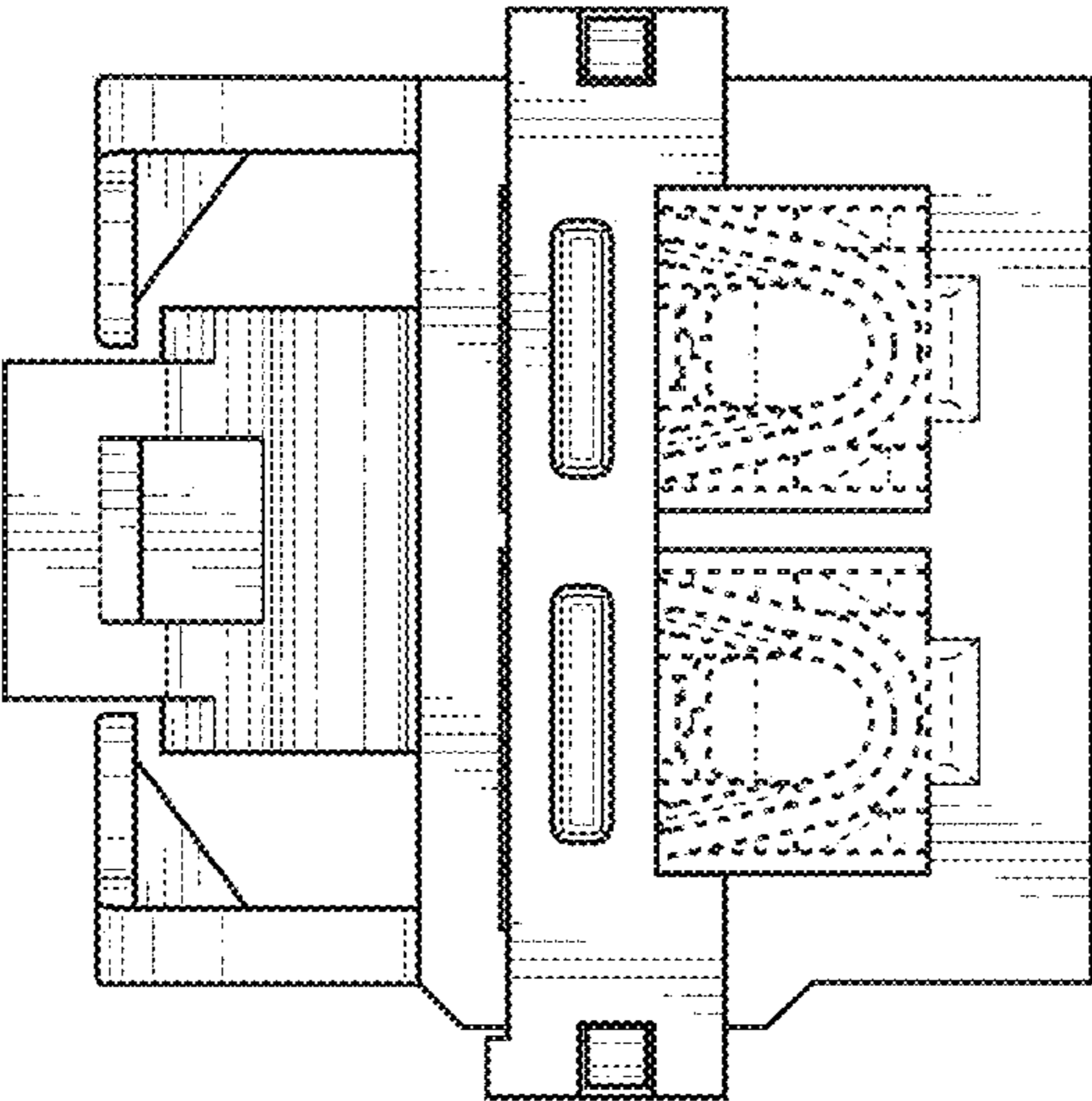


FIG. 2

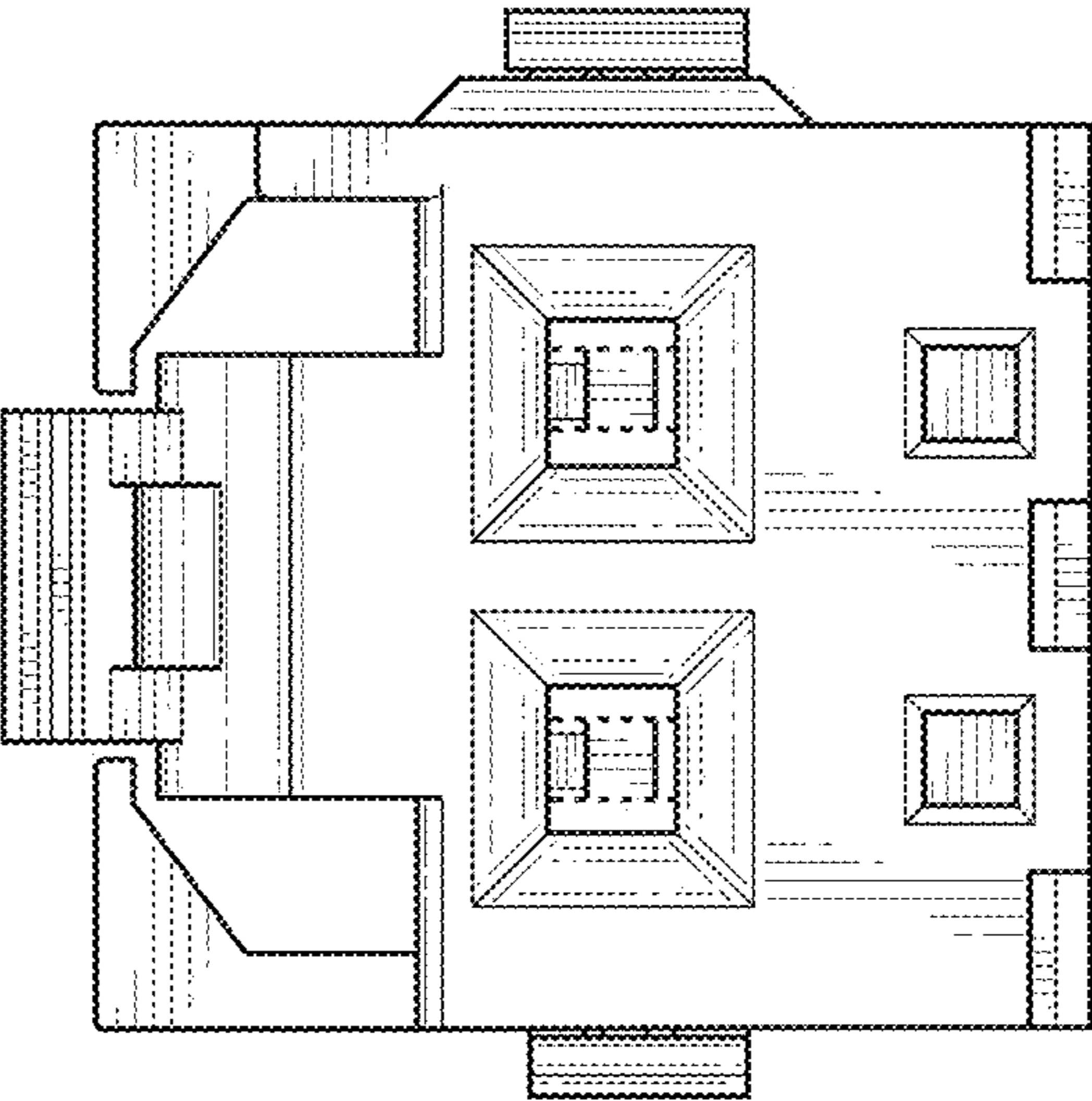


FIG. 3

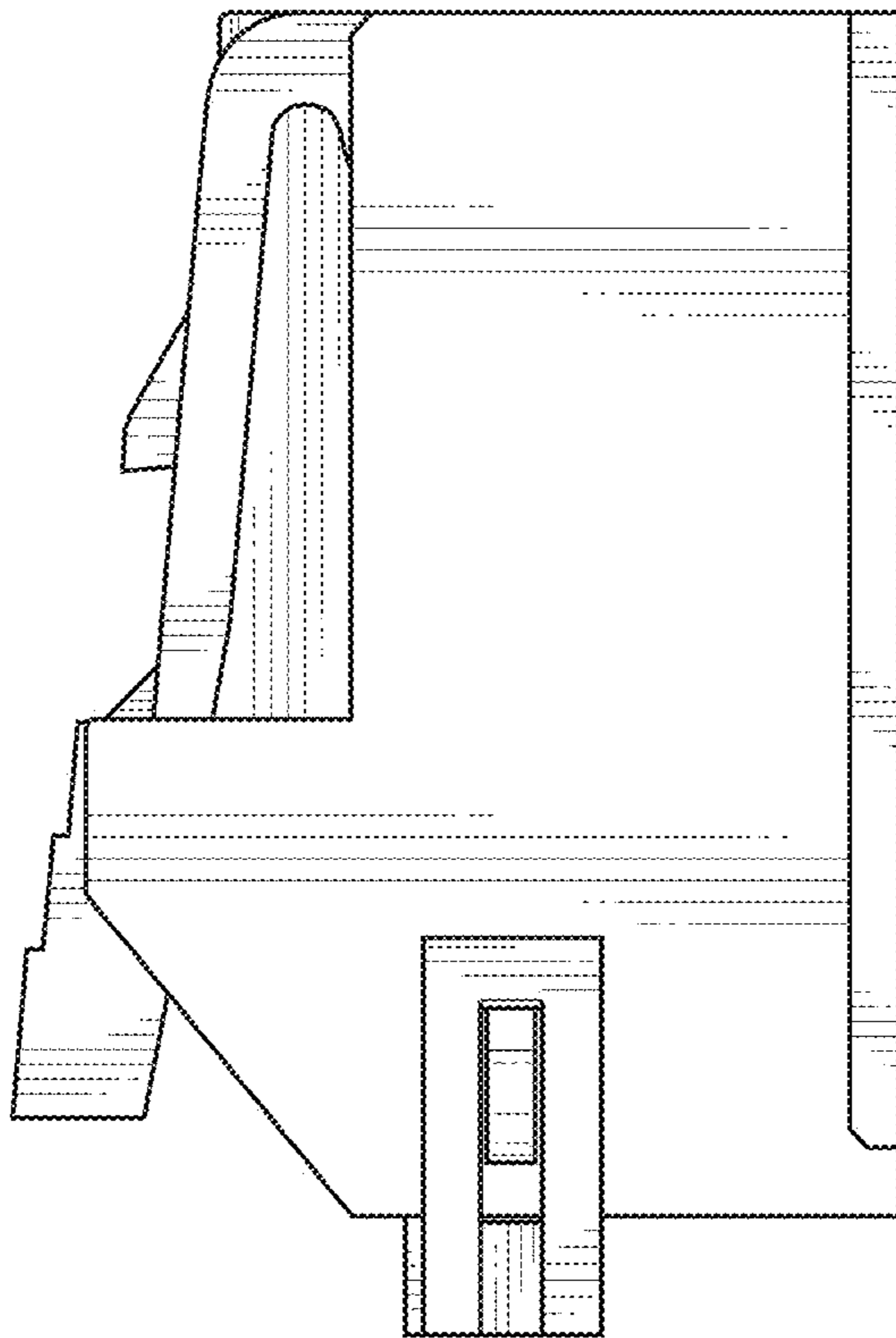


FIG. 4

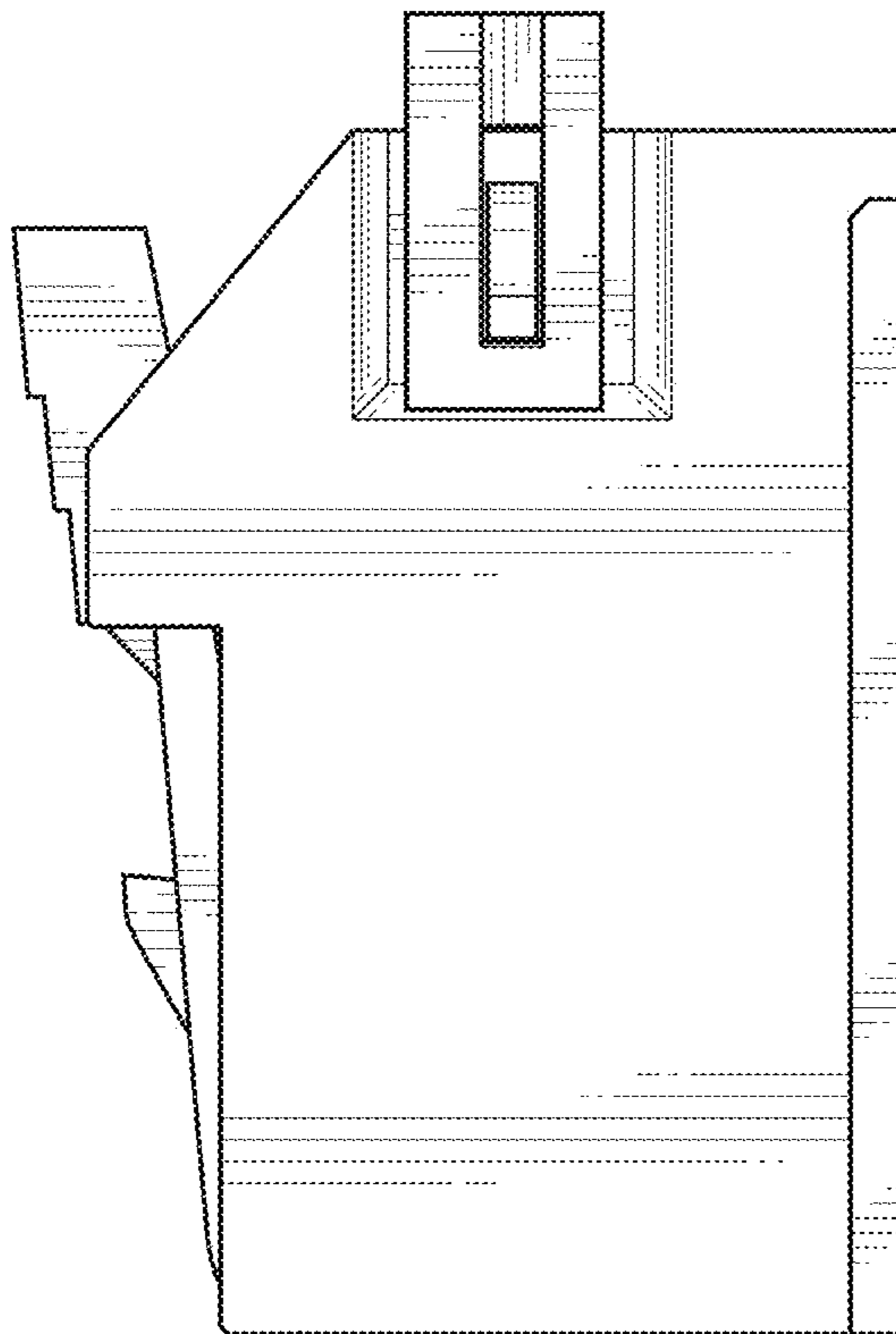


FIG. 5

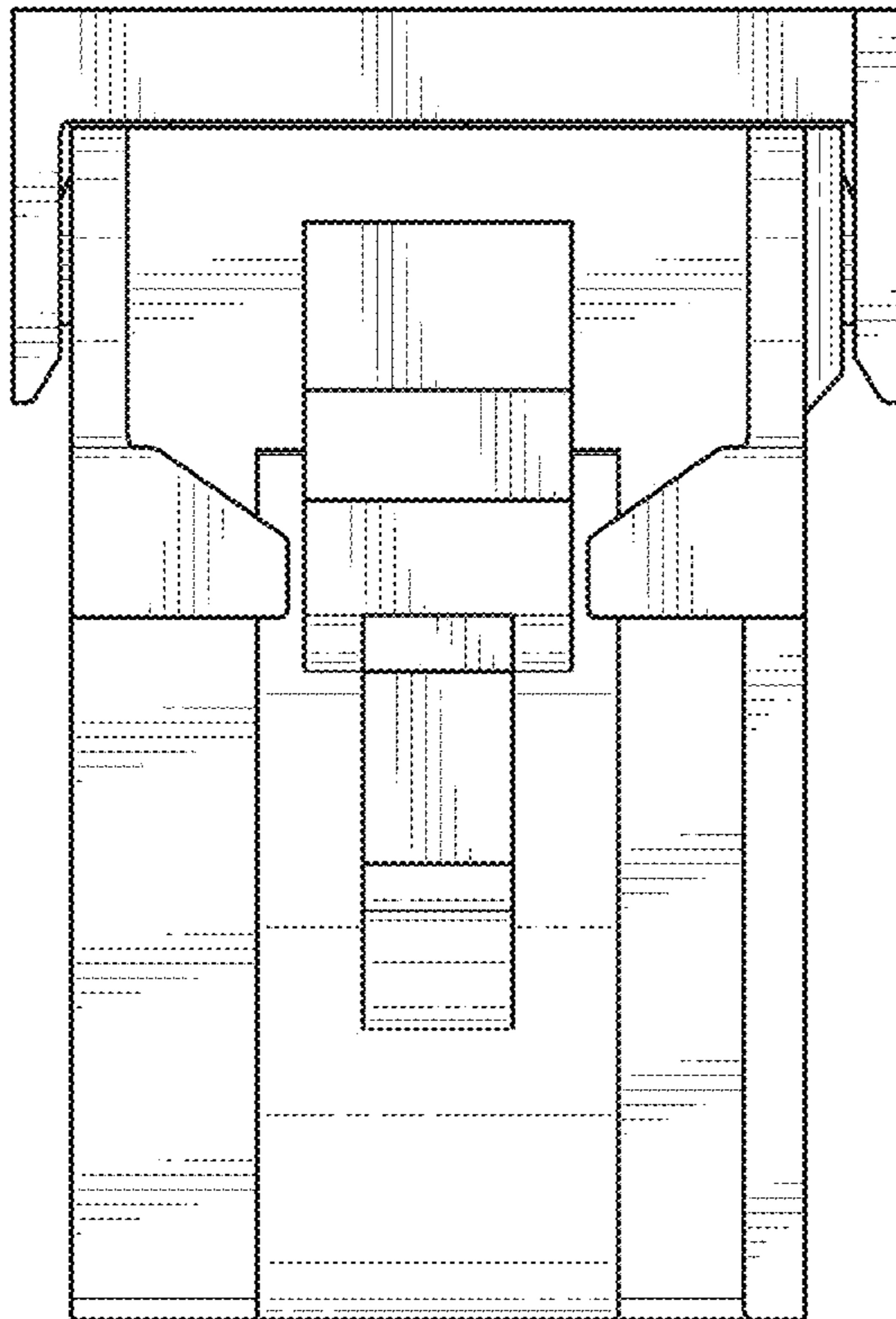


FIG. 6

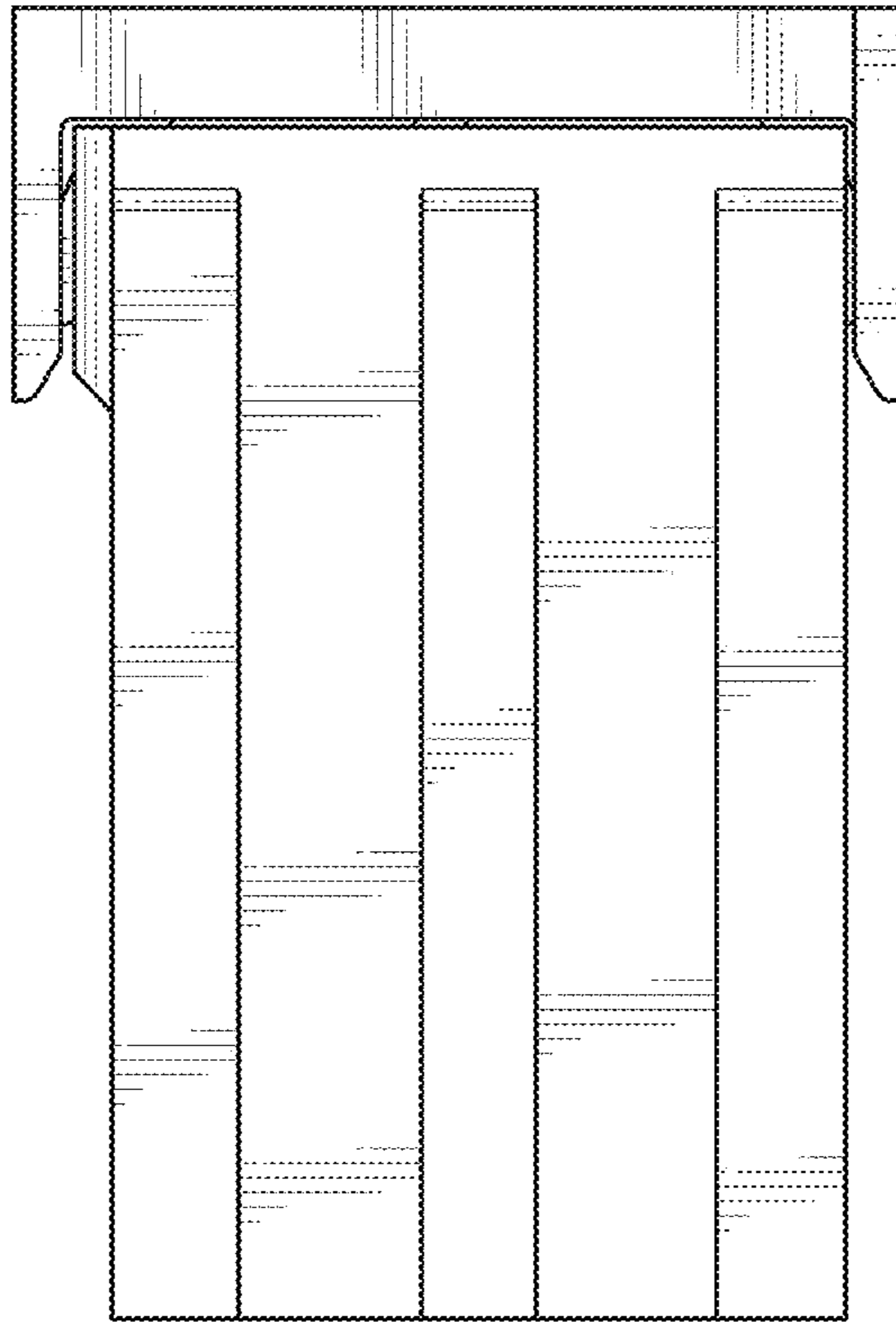


FIG. 7

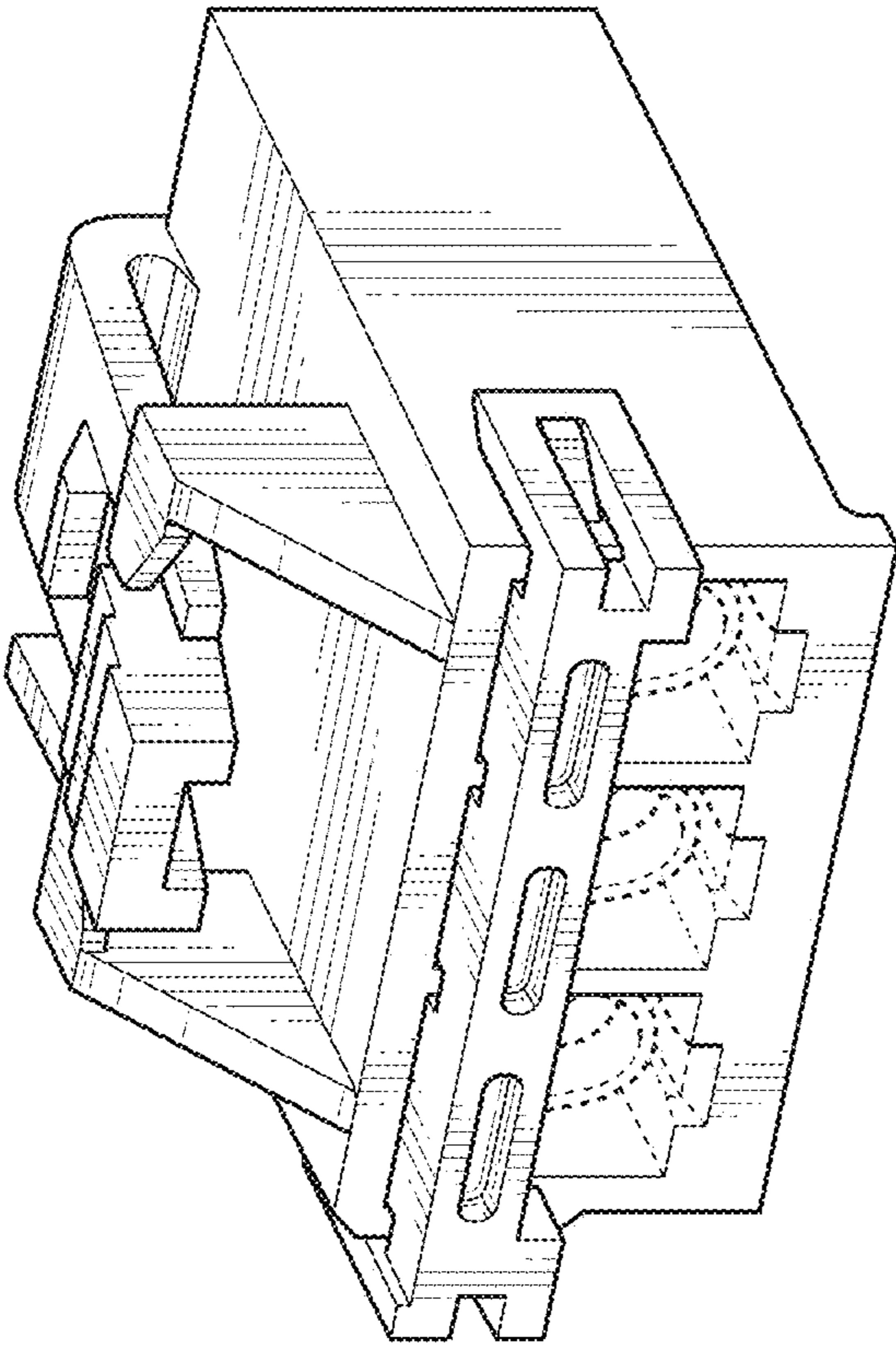


FIG. 8

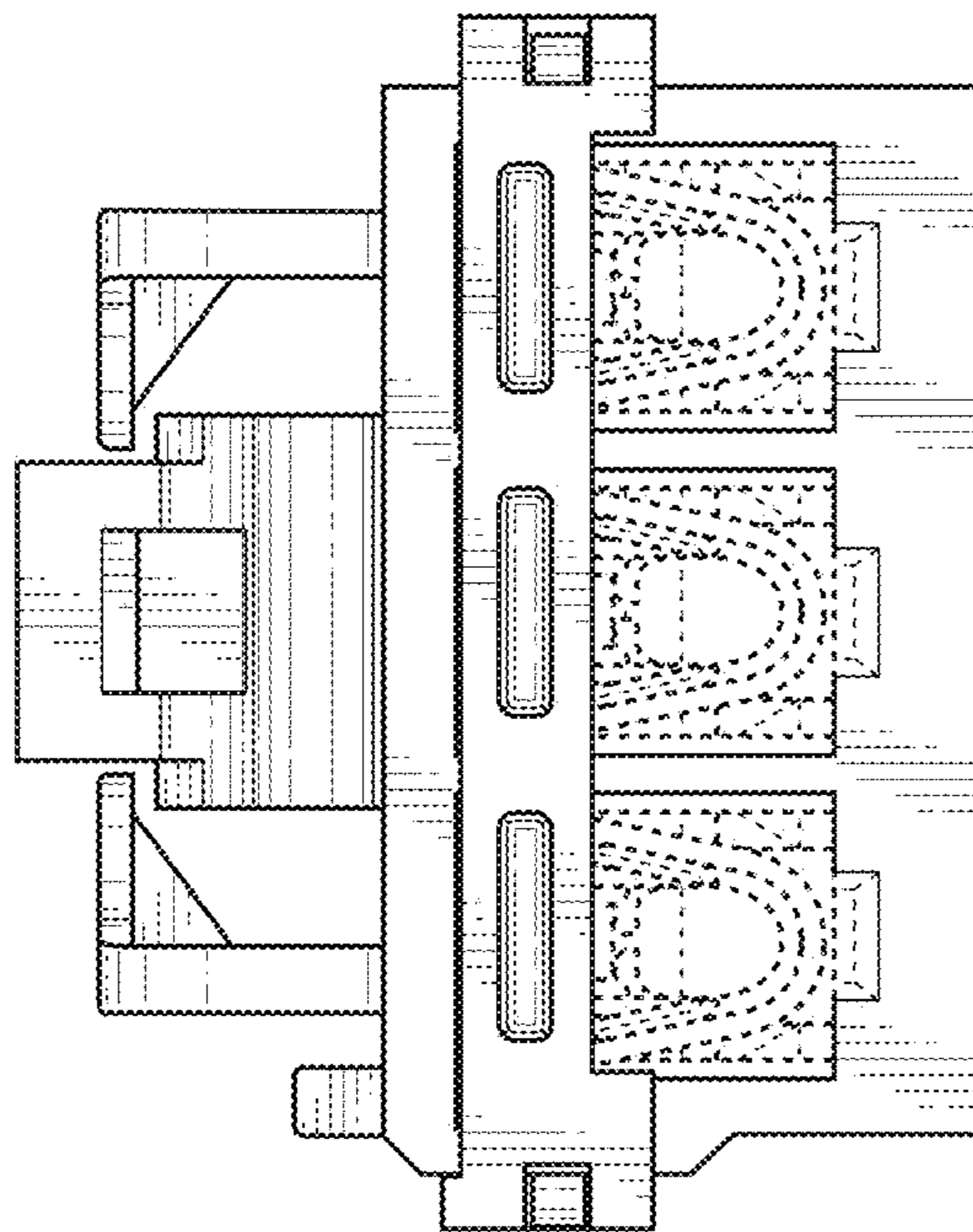


FIG. 9

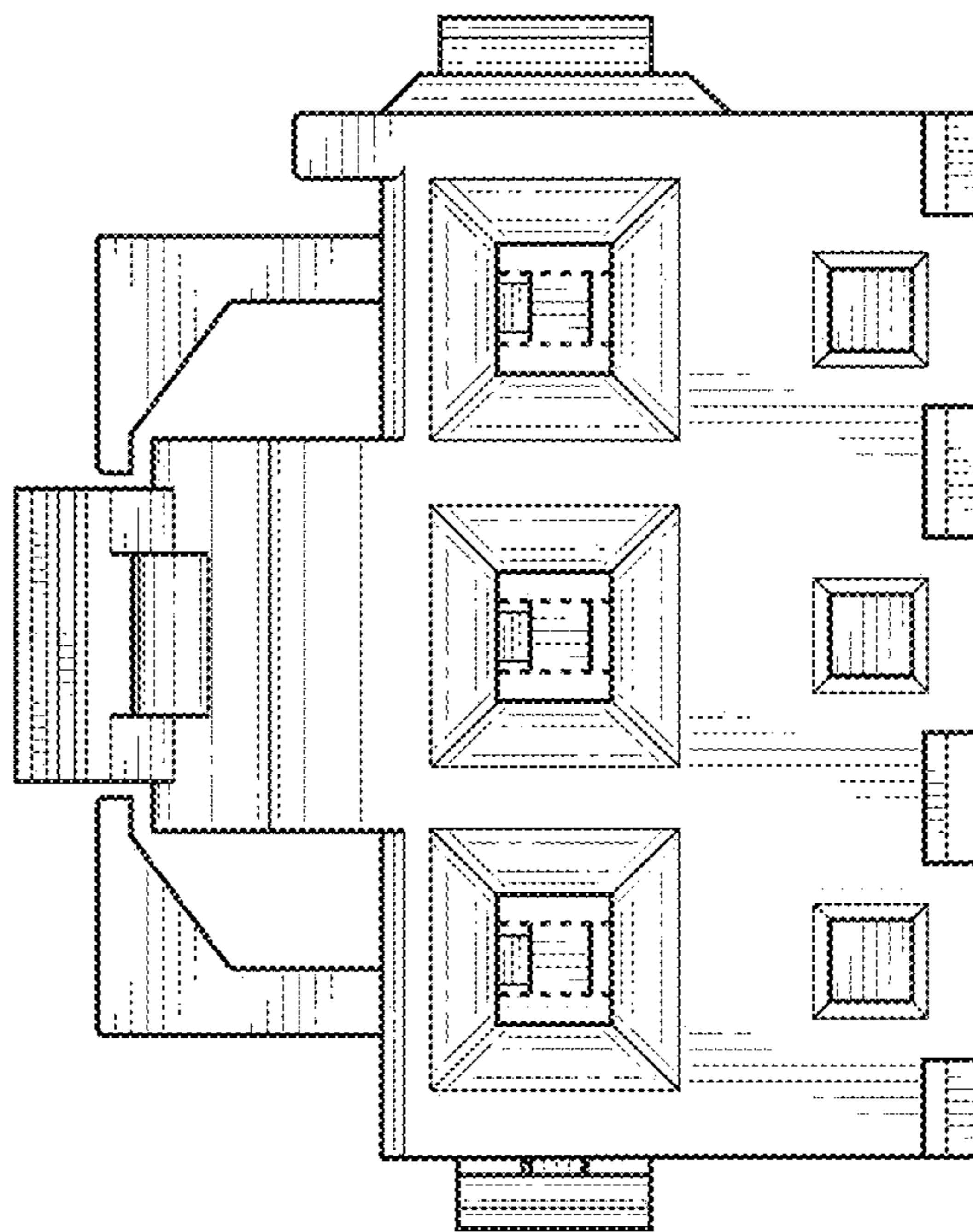


FIG. 10

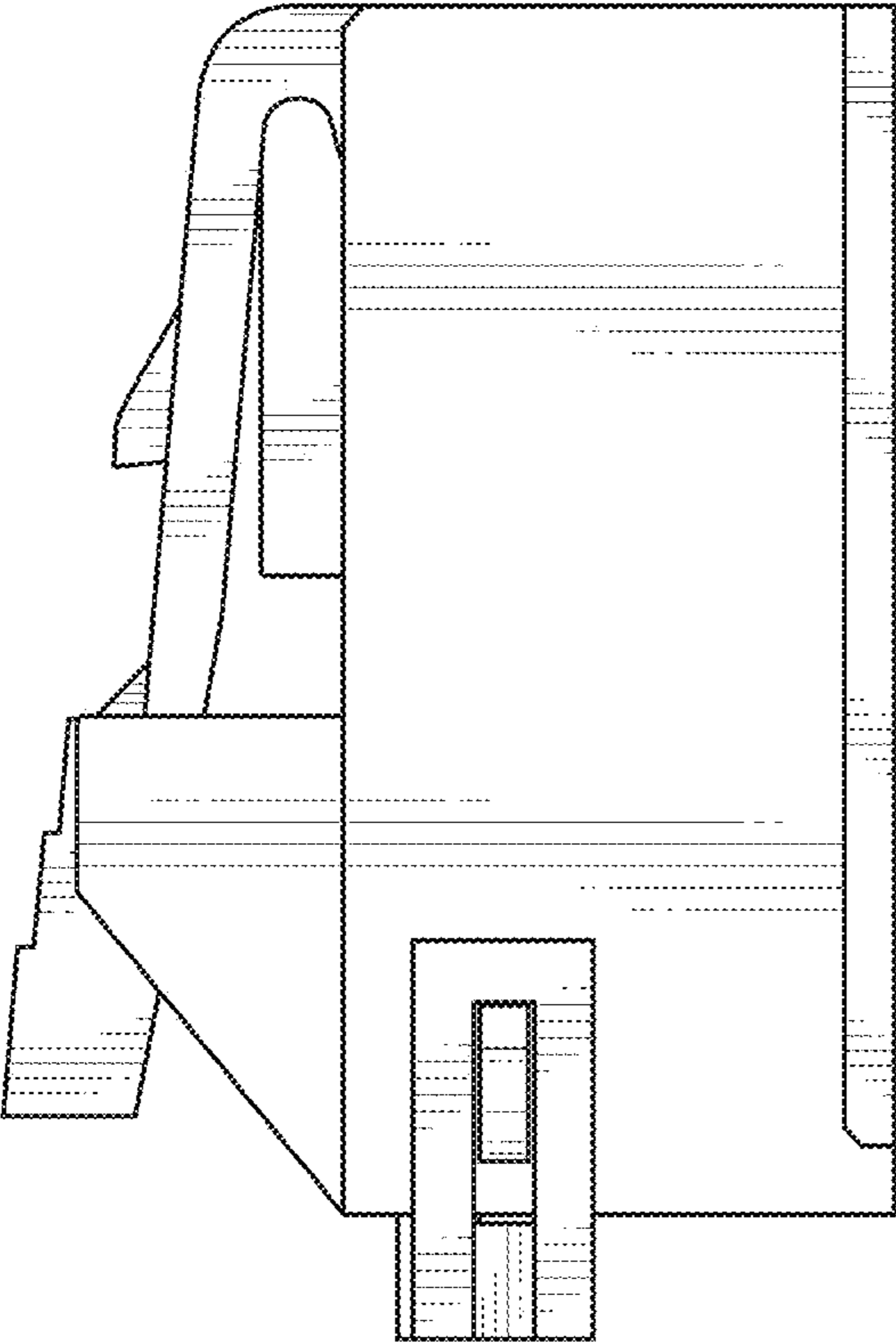


FIG. 11

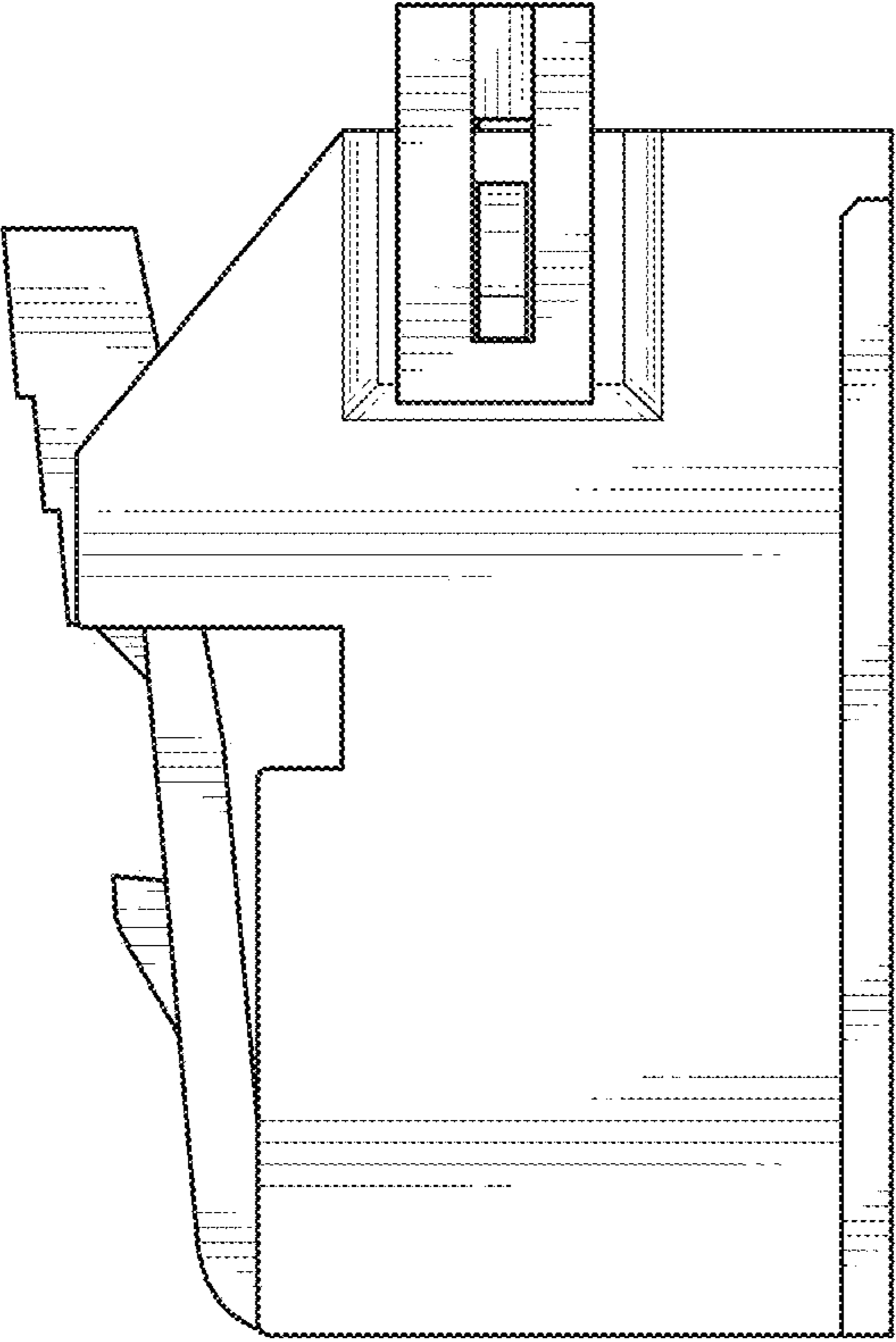


FIG. 12

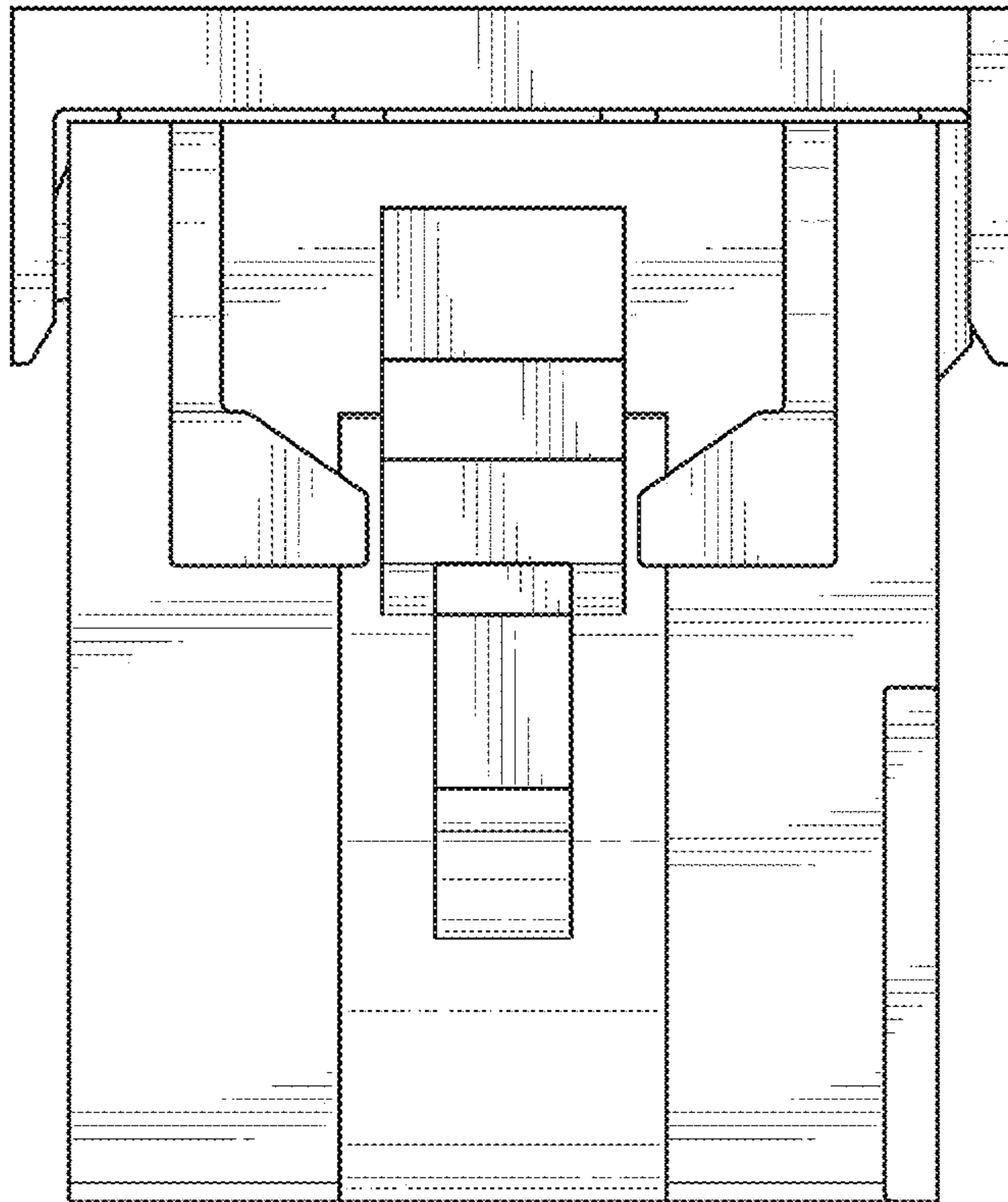


FIG. 13

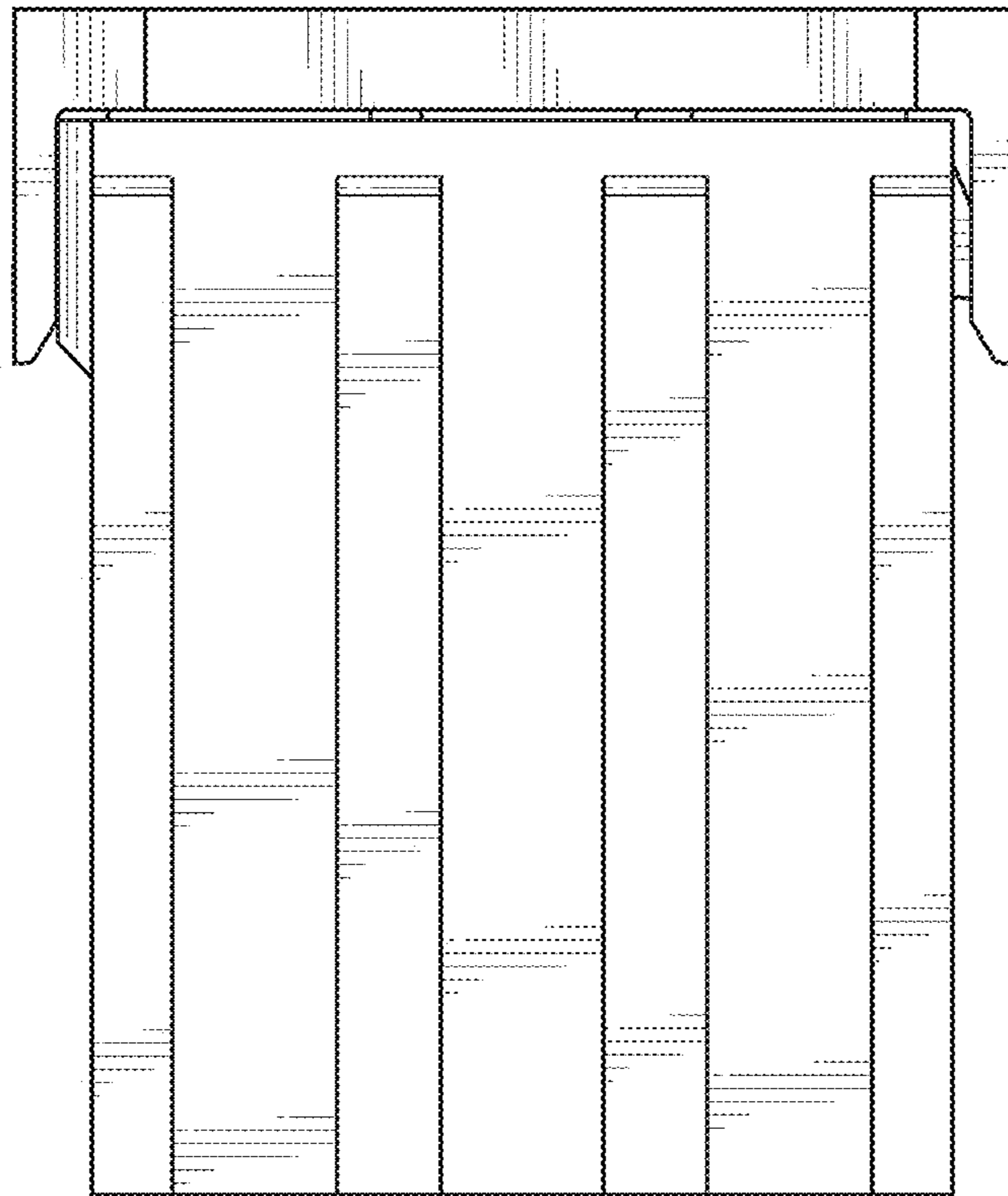


FIG. 14

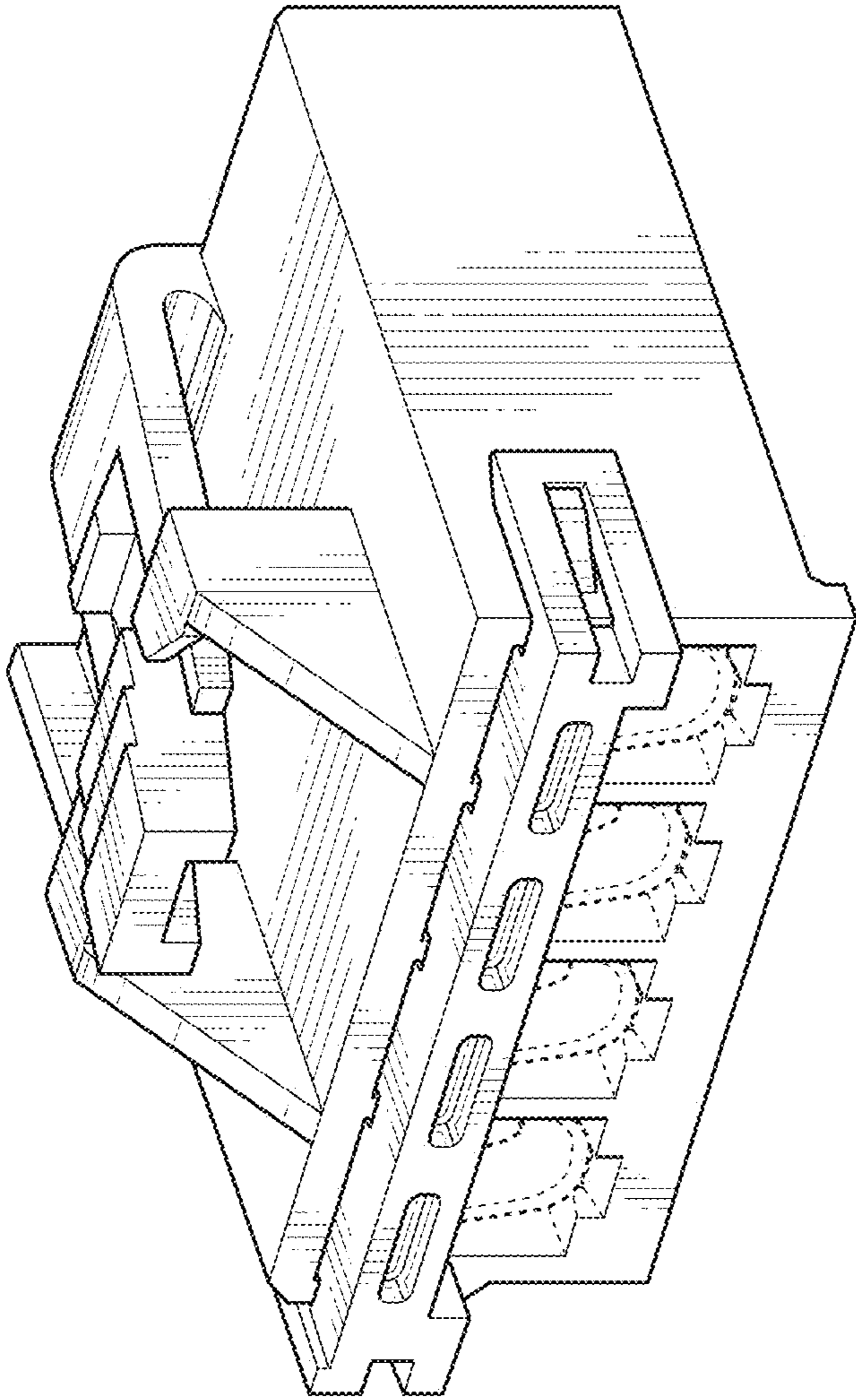


FIG. 15

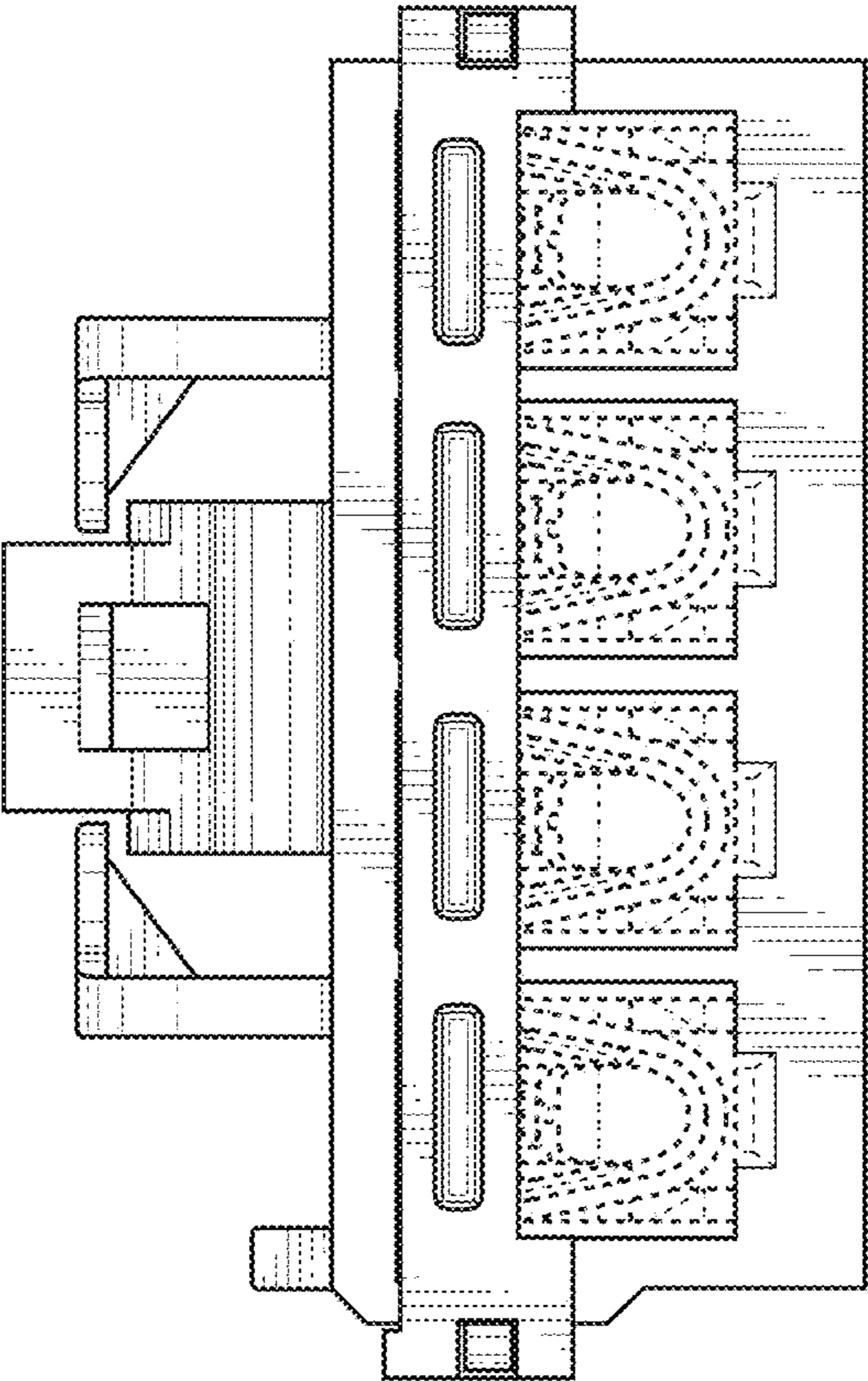


FIG. 16

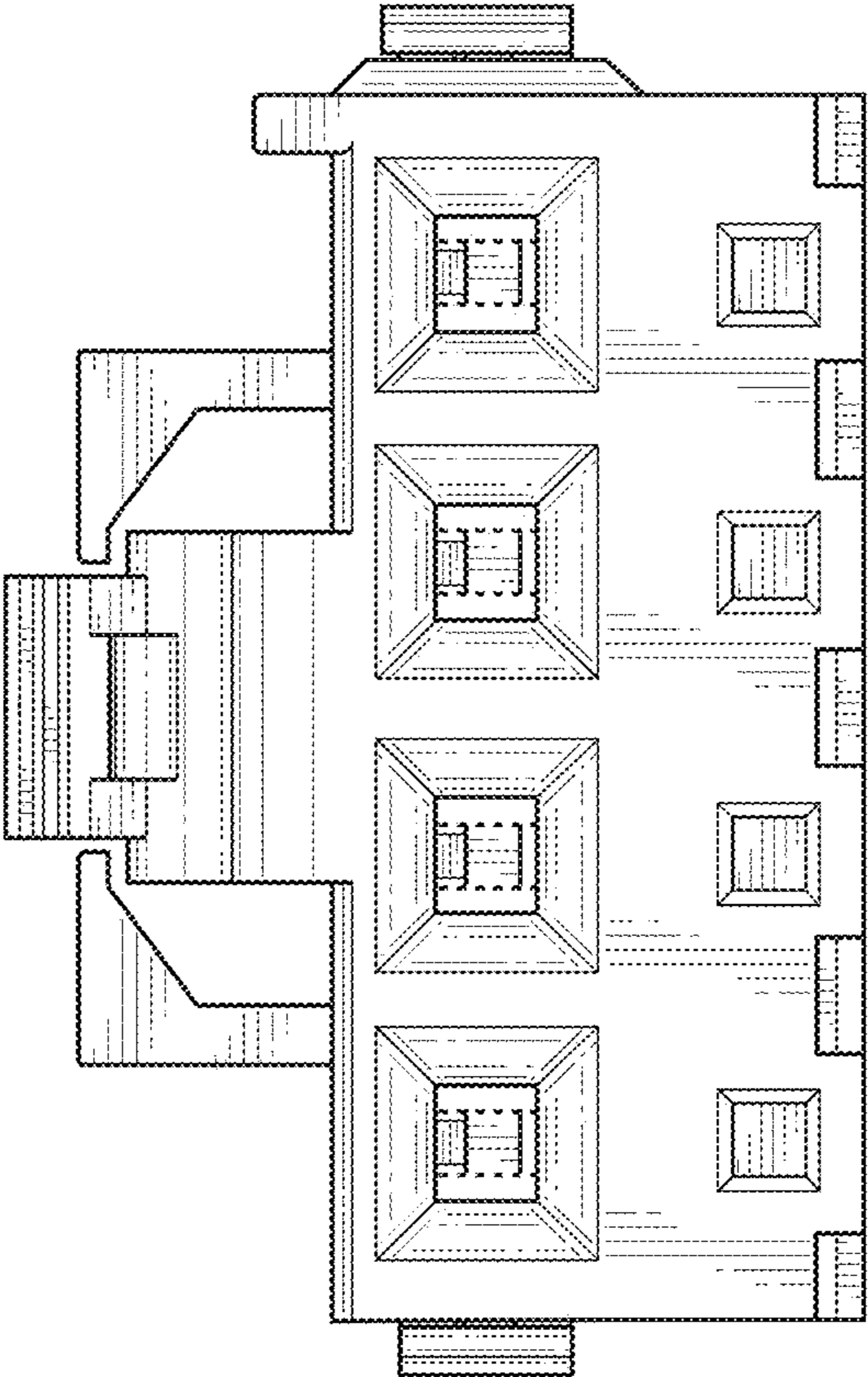


FIG. 17

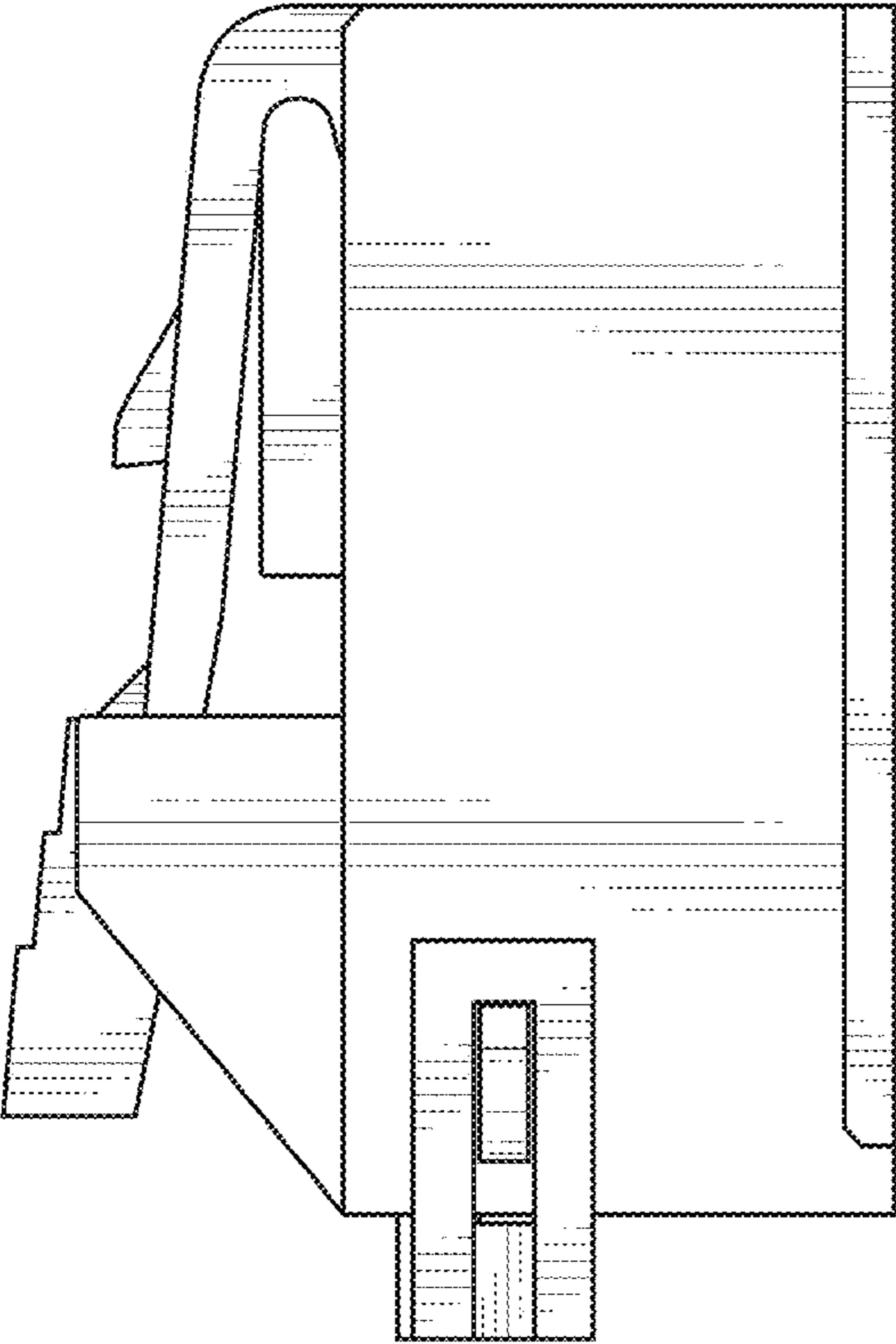


FIG. 18

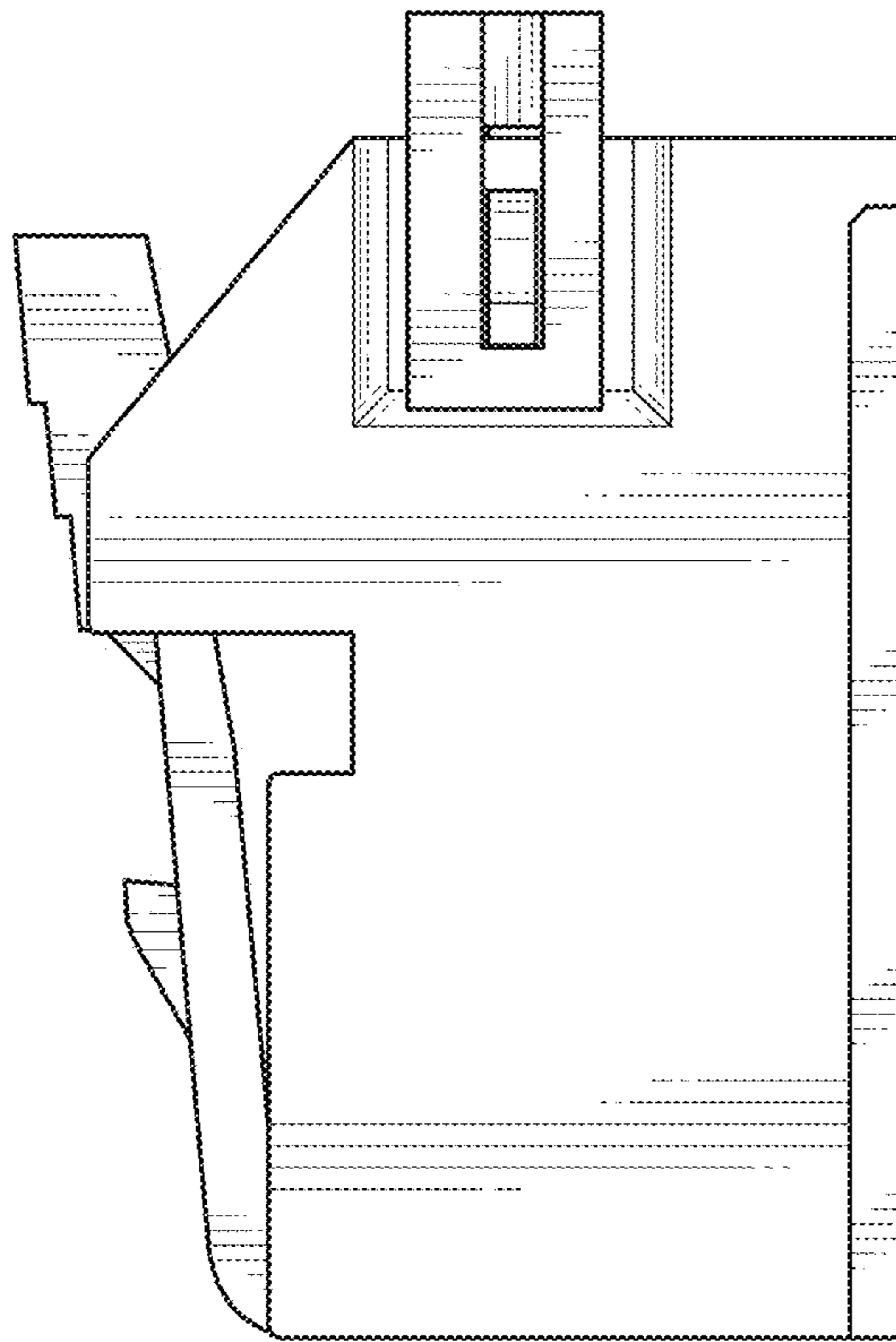


FIG. 19

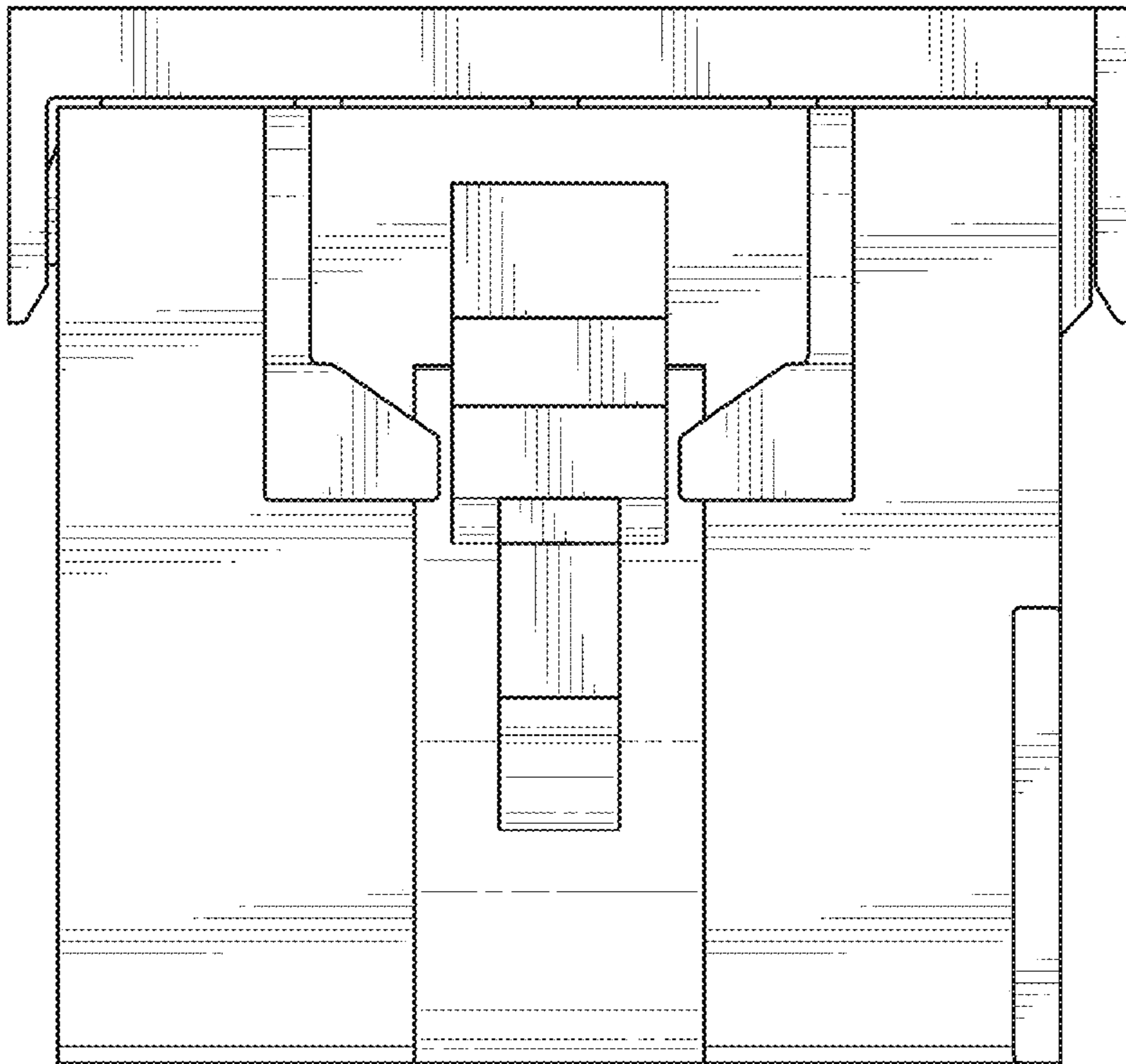


FIG. 20

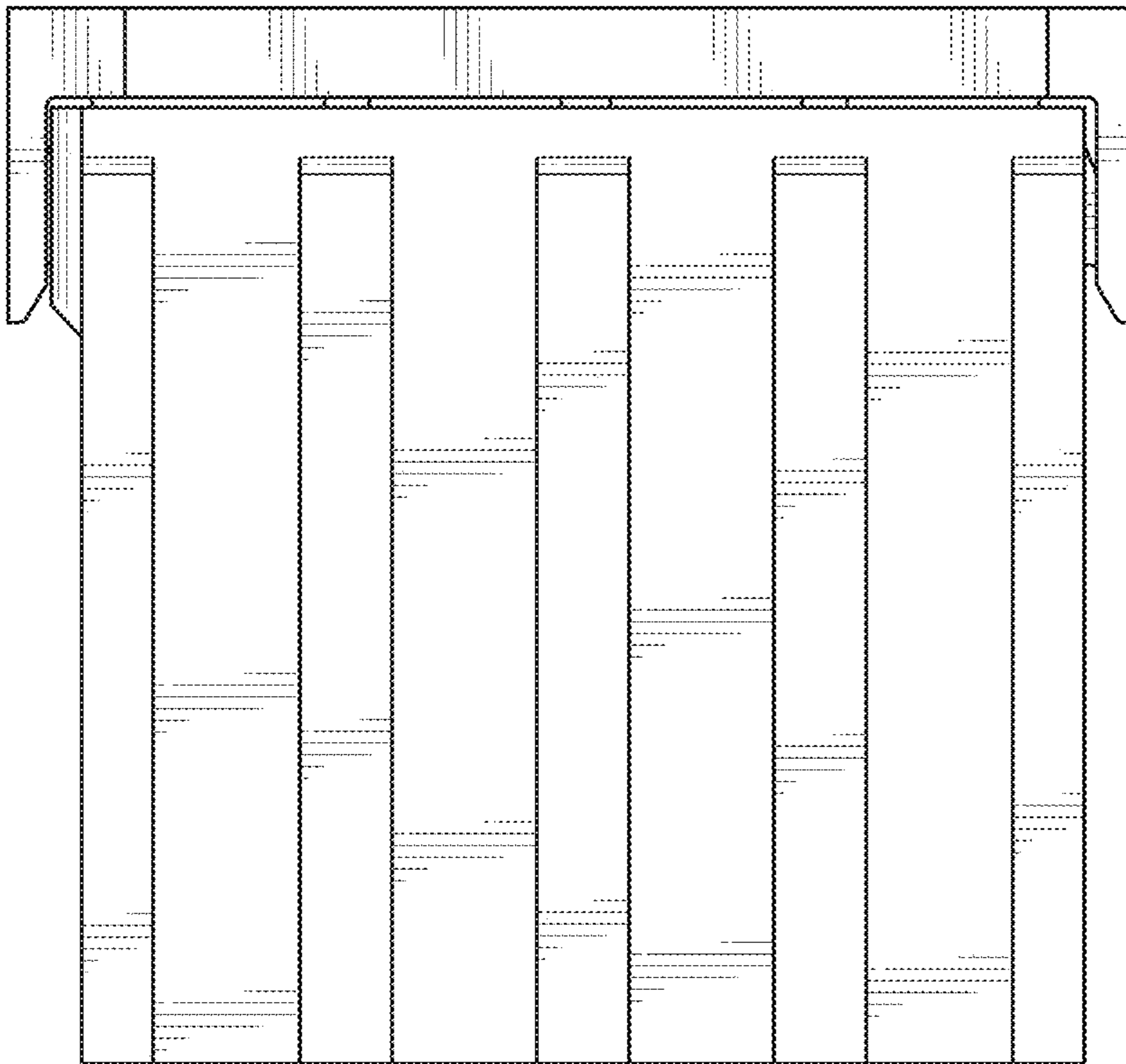


FIG. 21

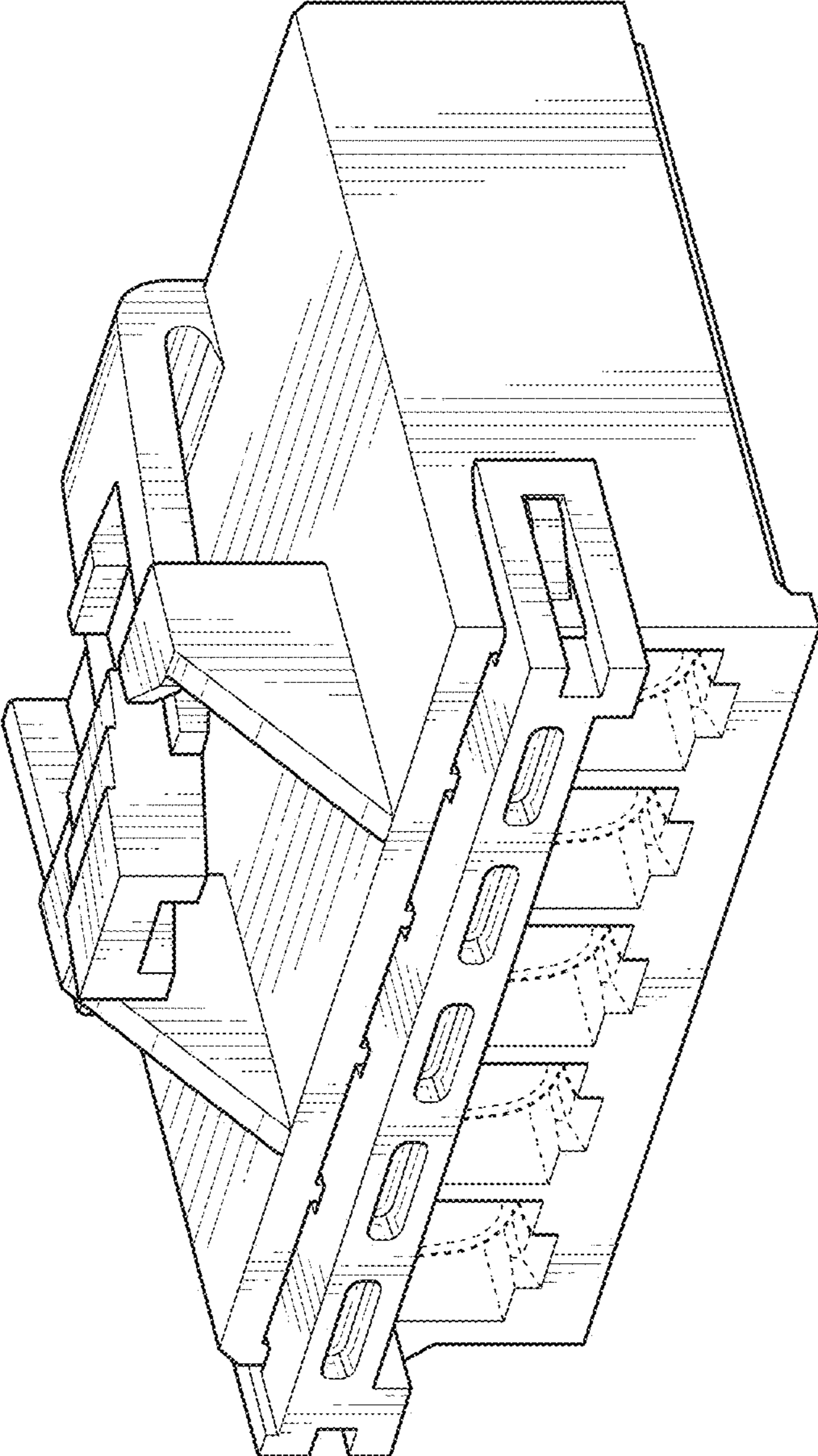


FIG. 22

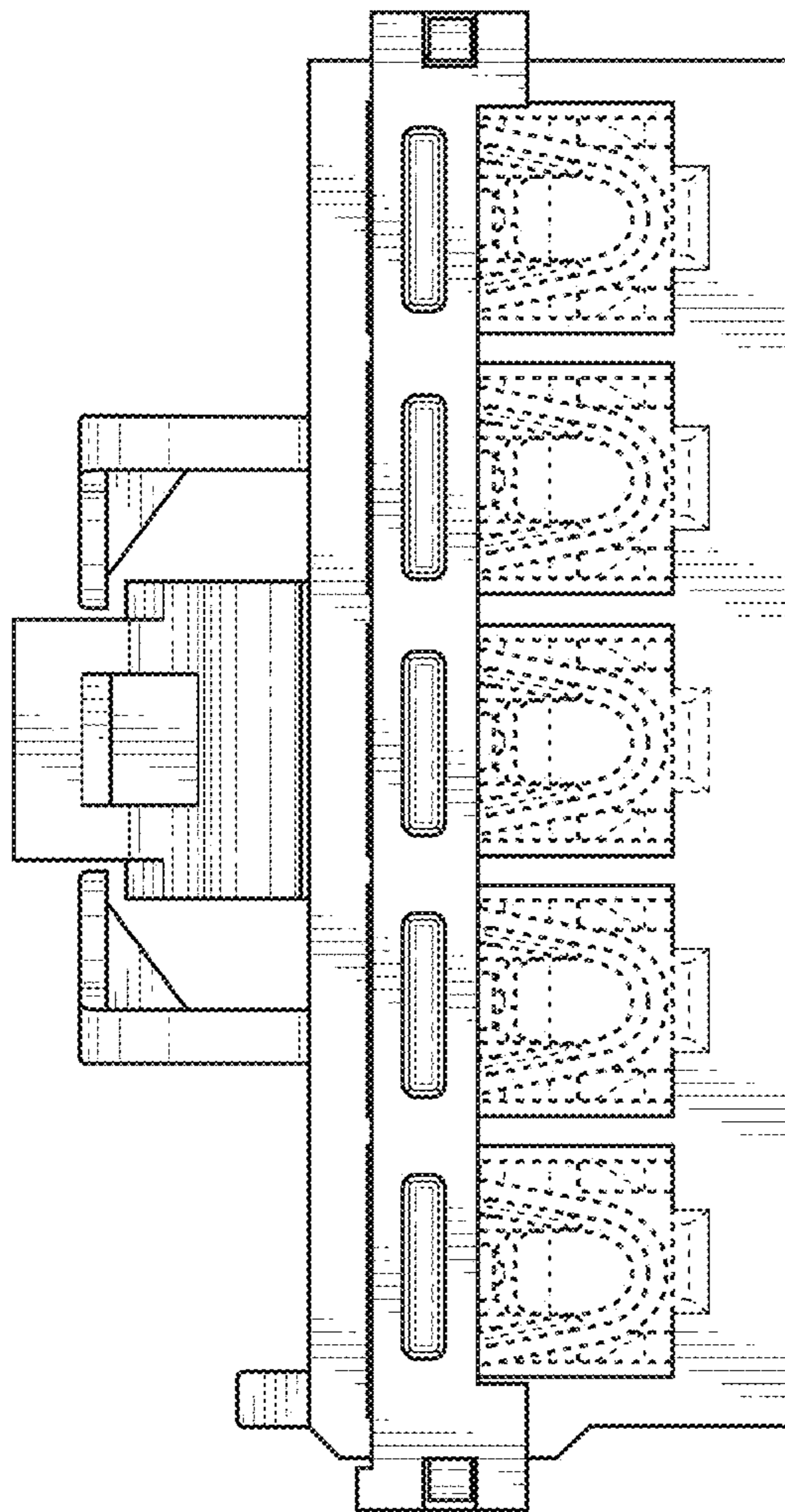


FIG. 23

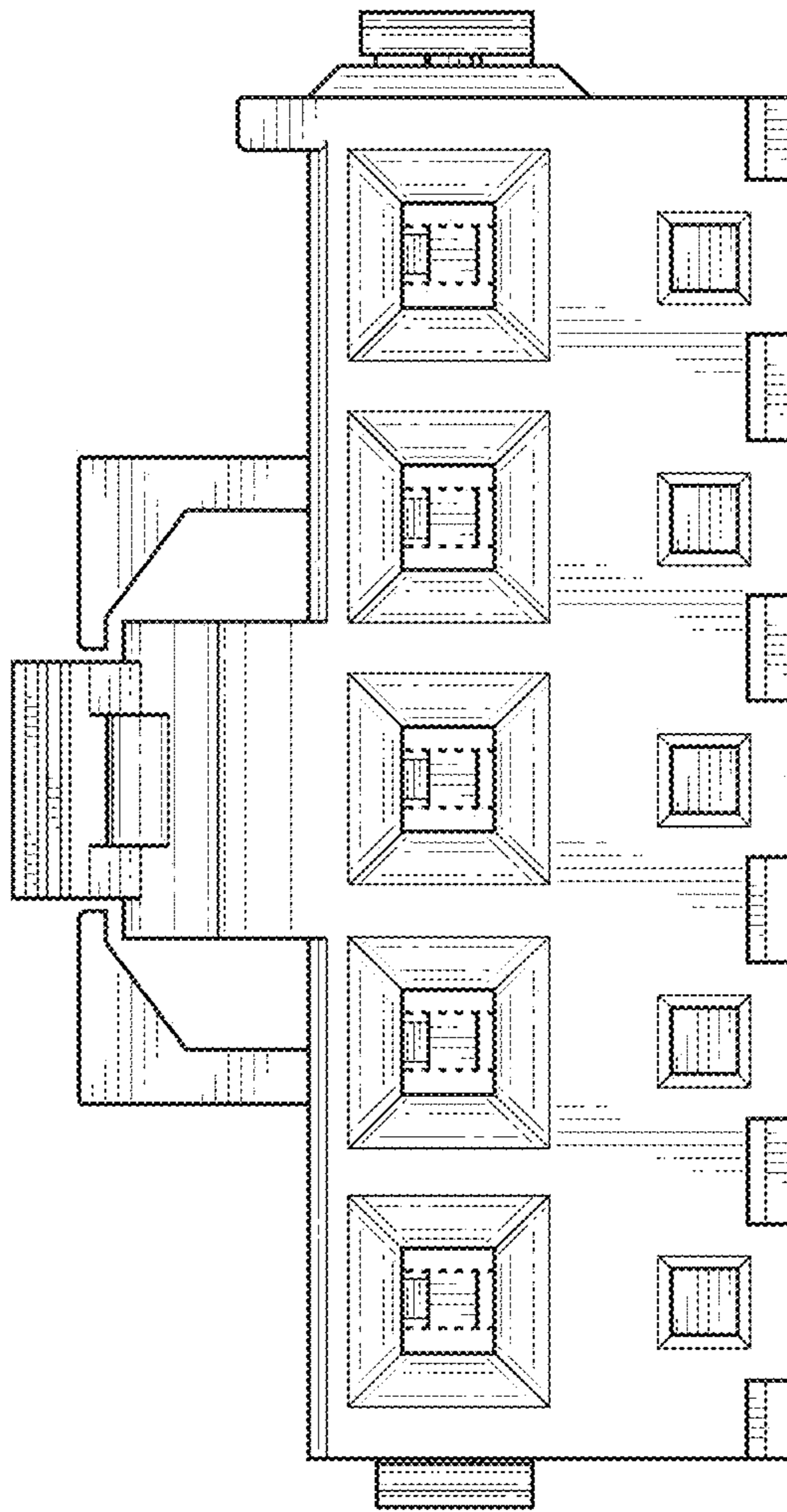


FIG. 24

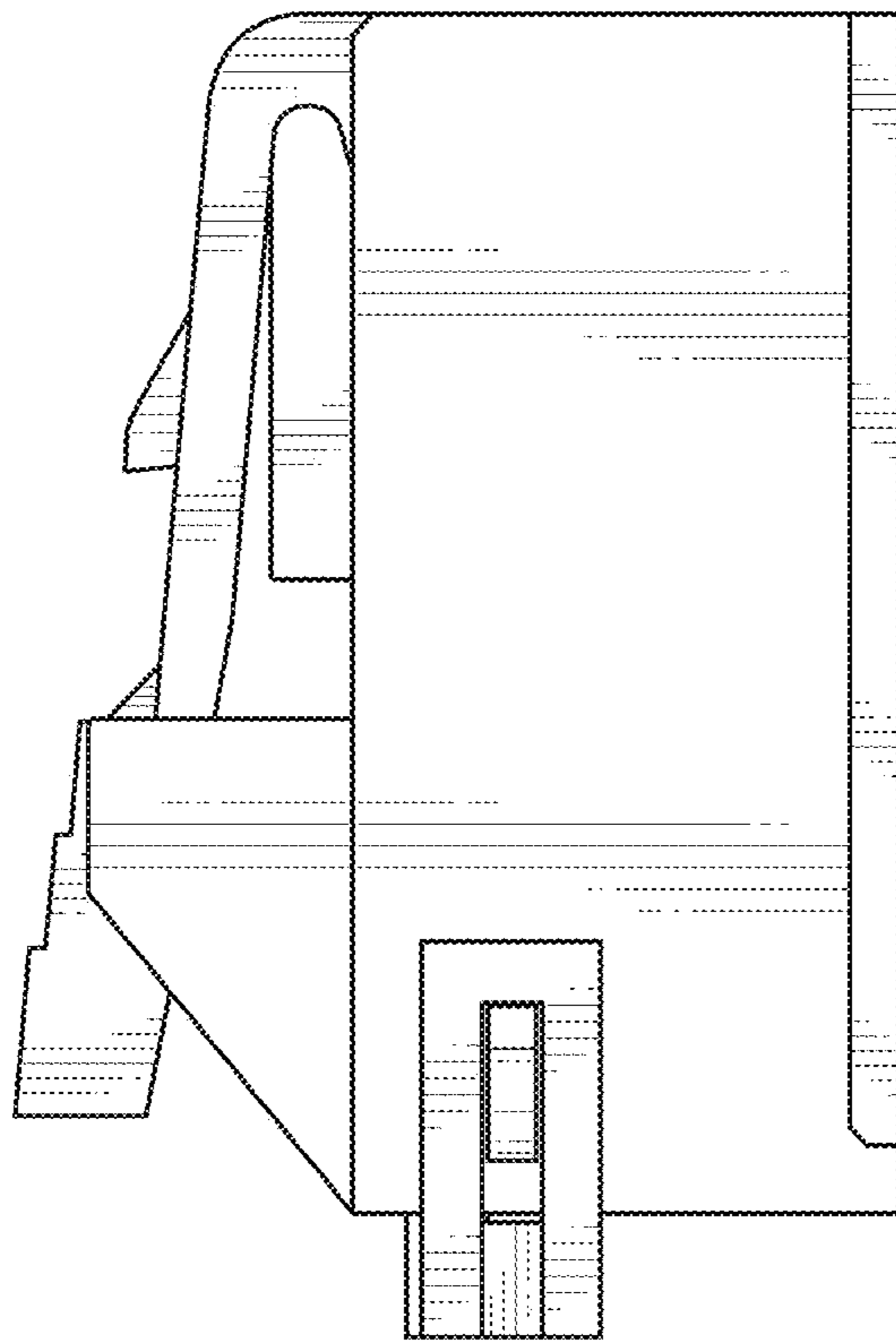


FIG. 25

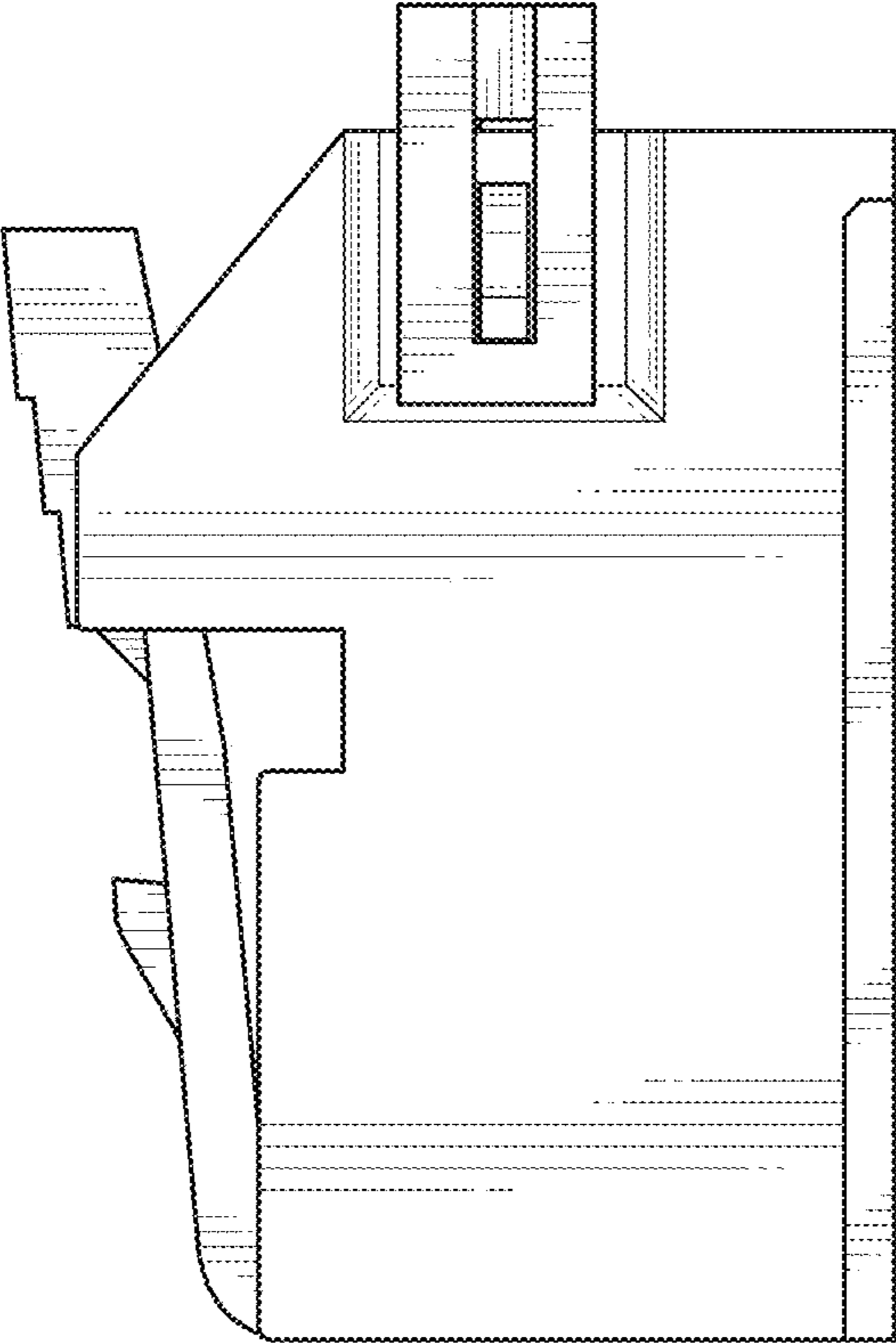


FIG. 26

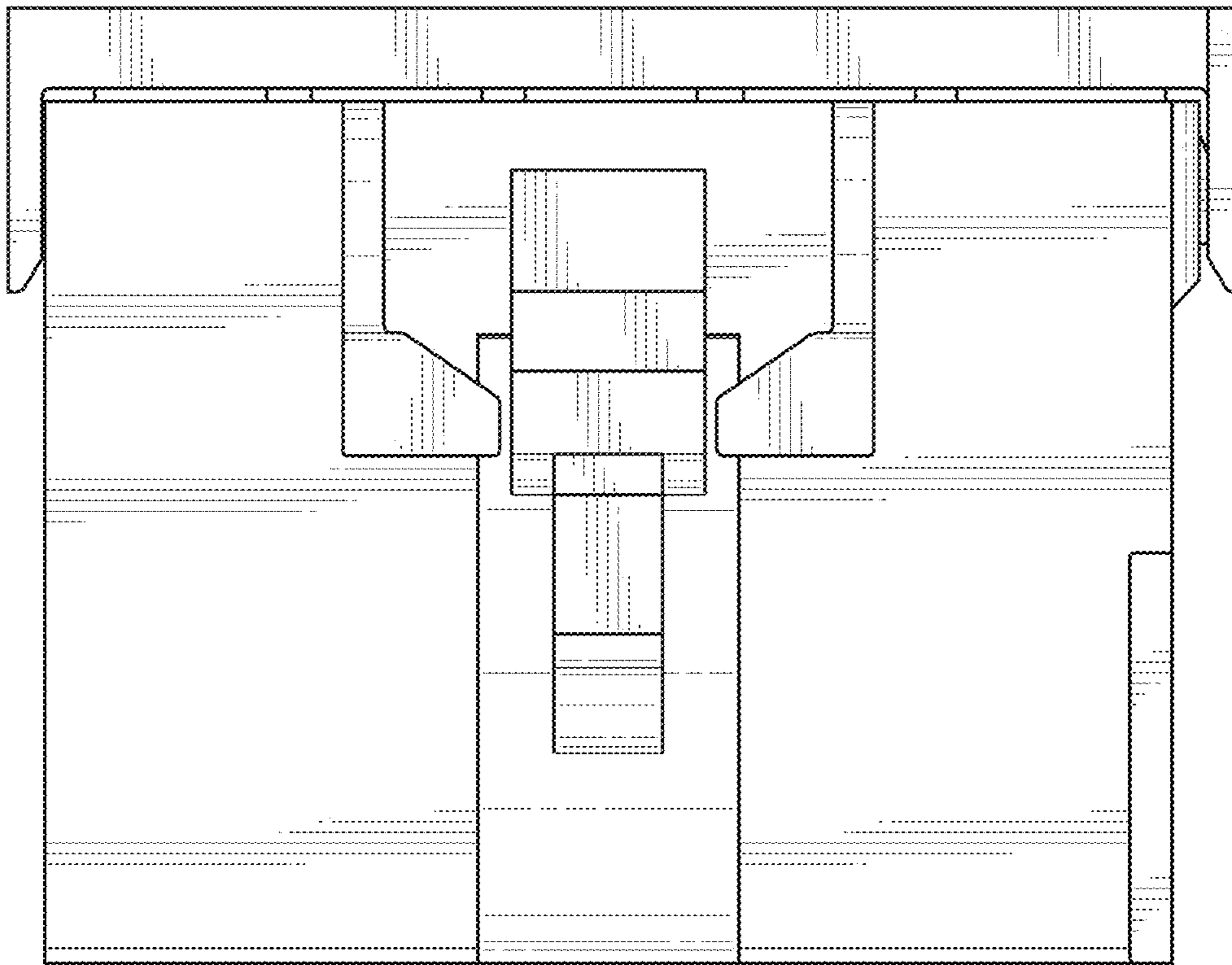


FIG. 27

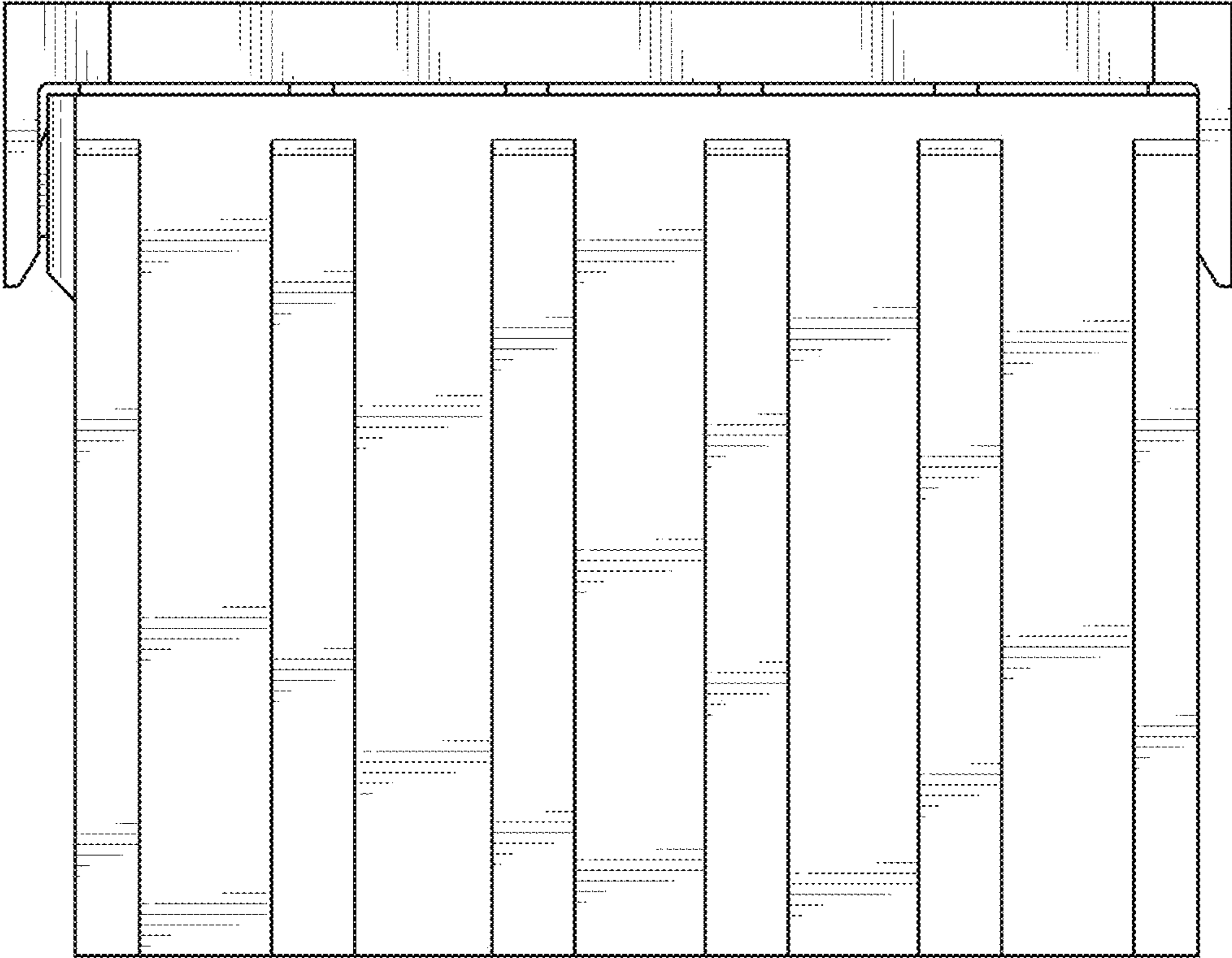


FIG. 28

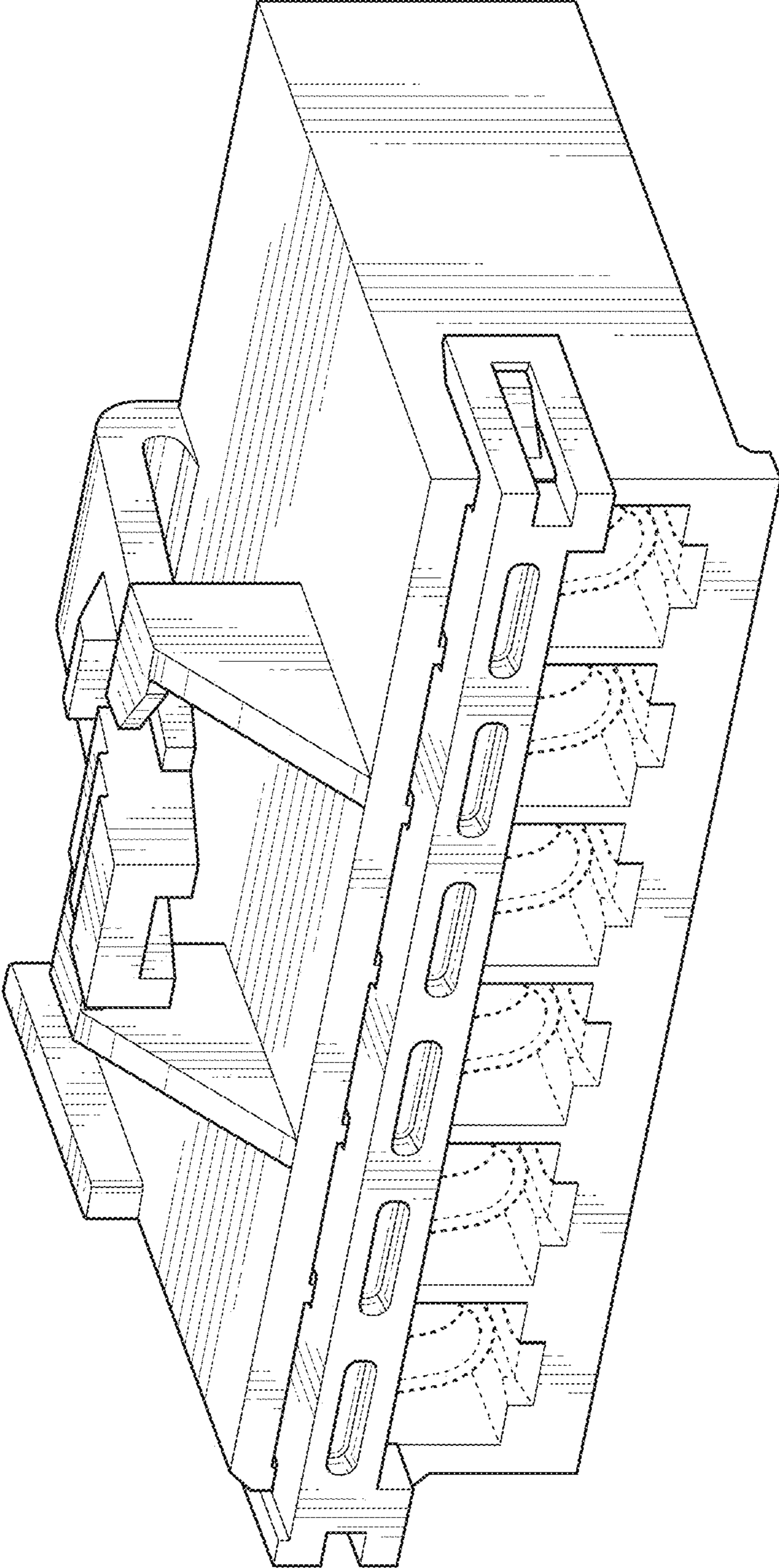


FIG. 29

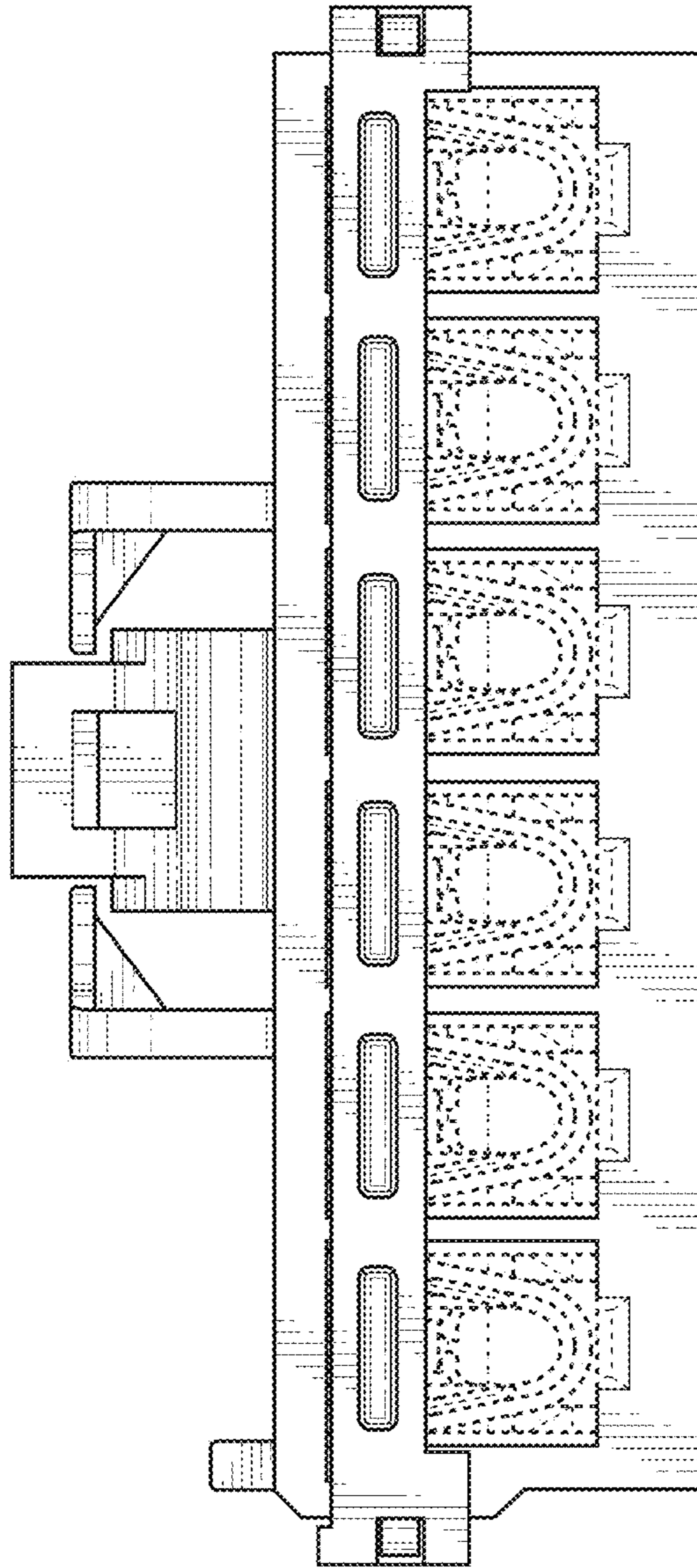


FIG. 30

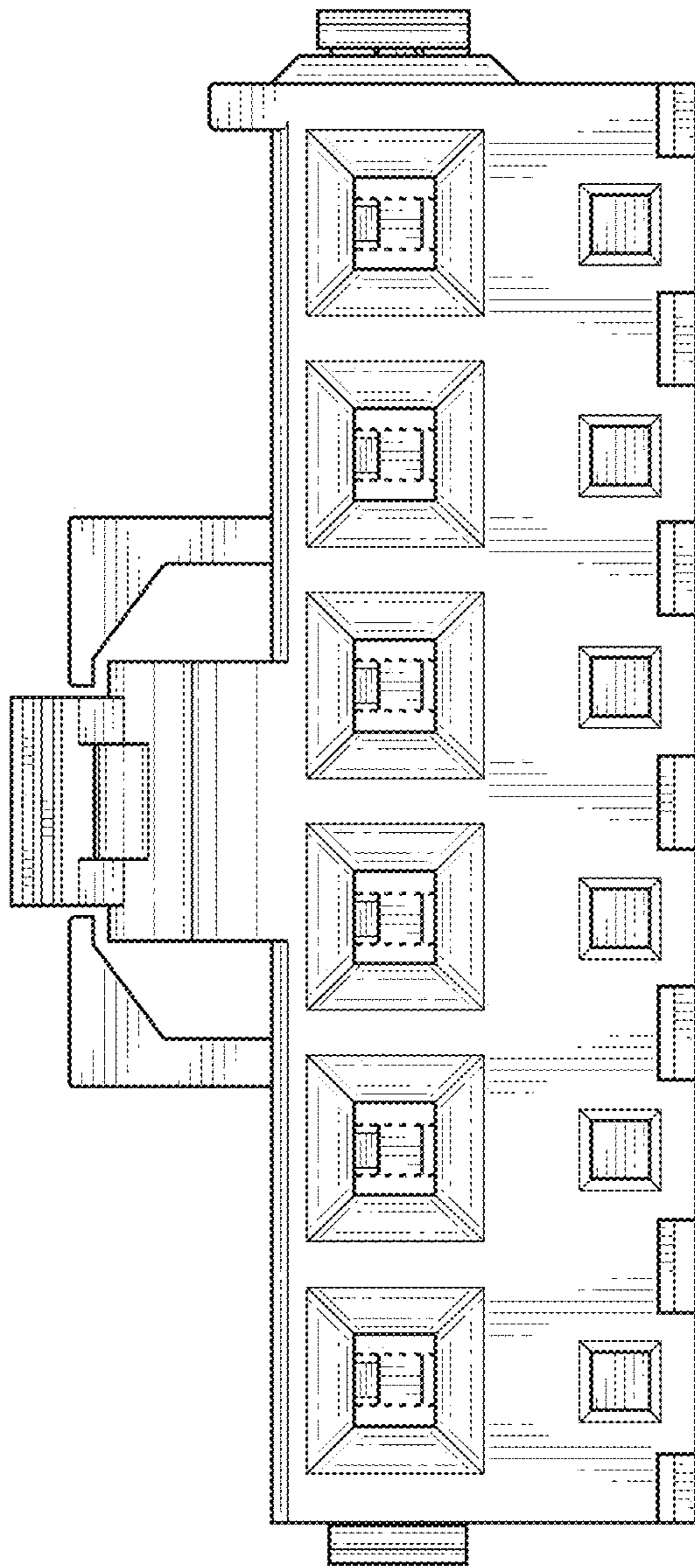


FIG. 31

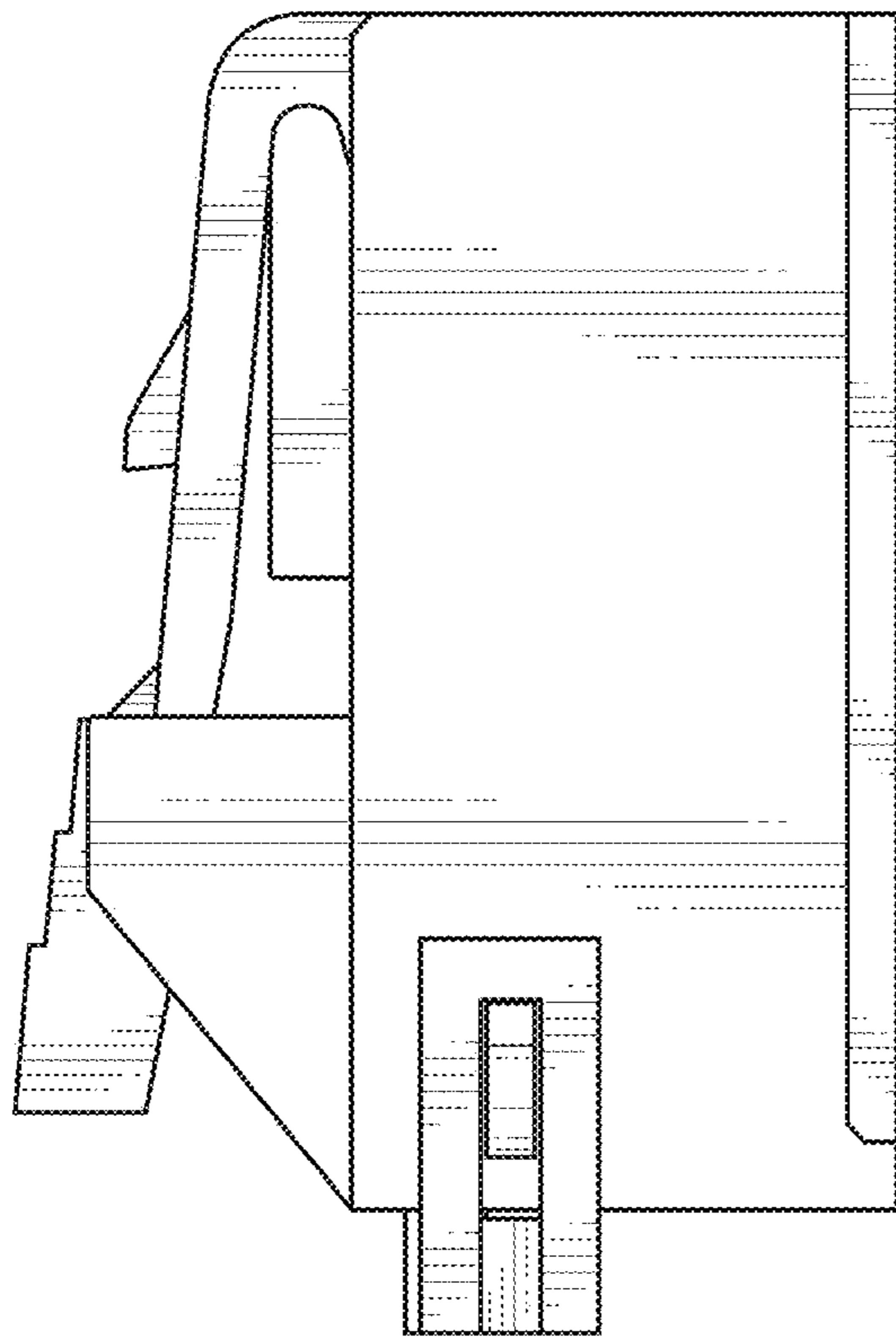


FIG. 32

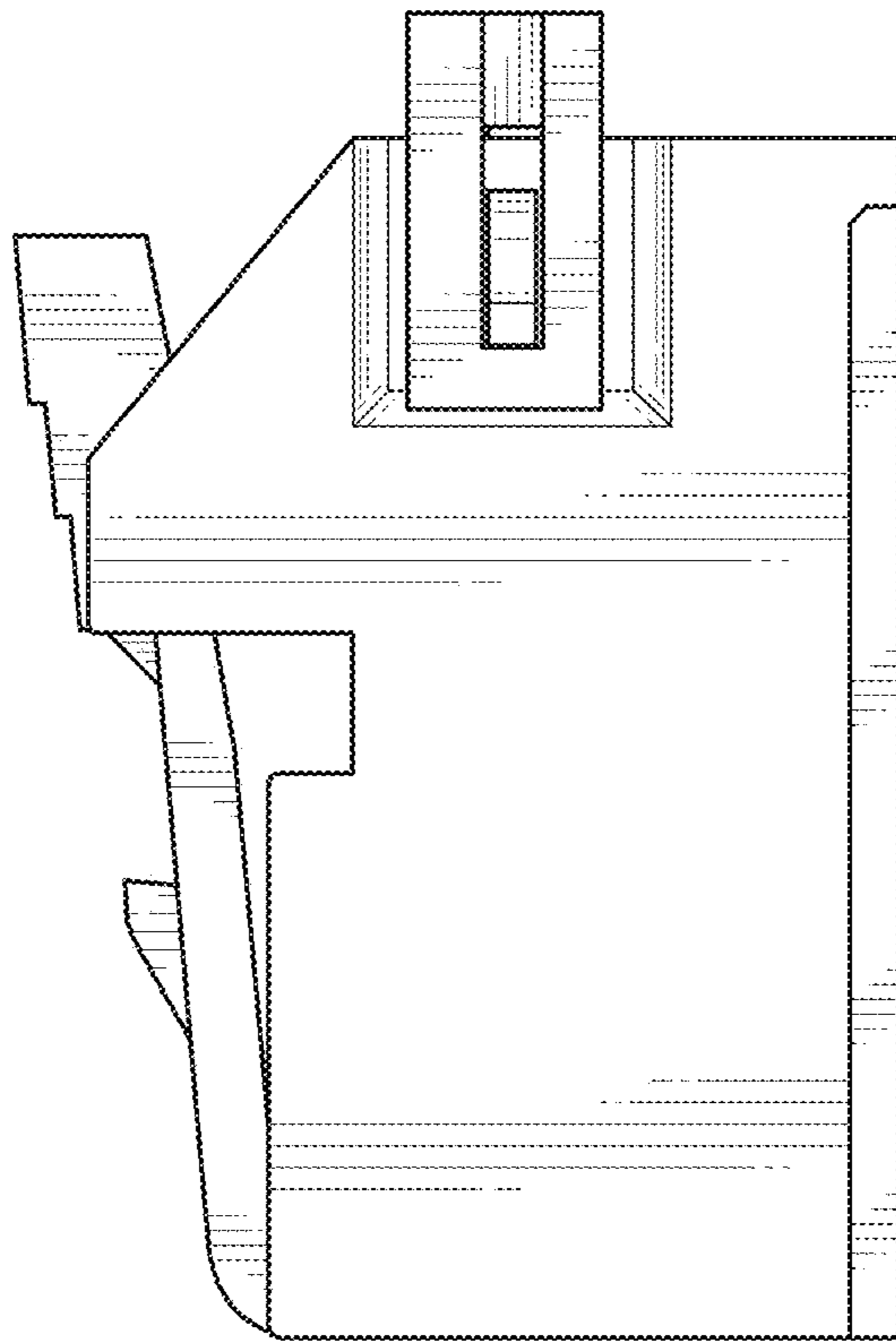


FIG. 33

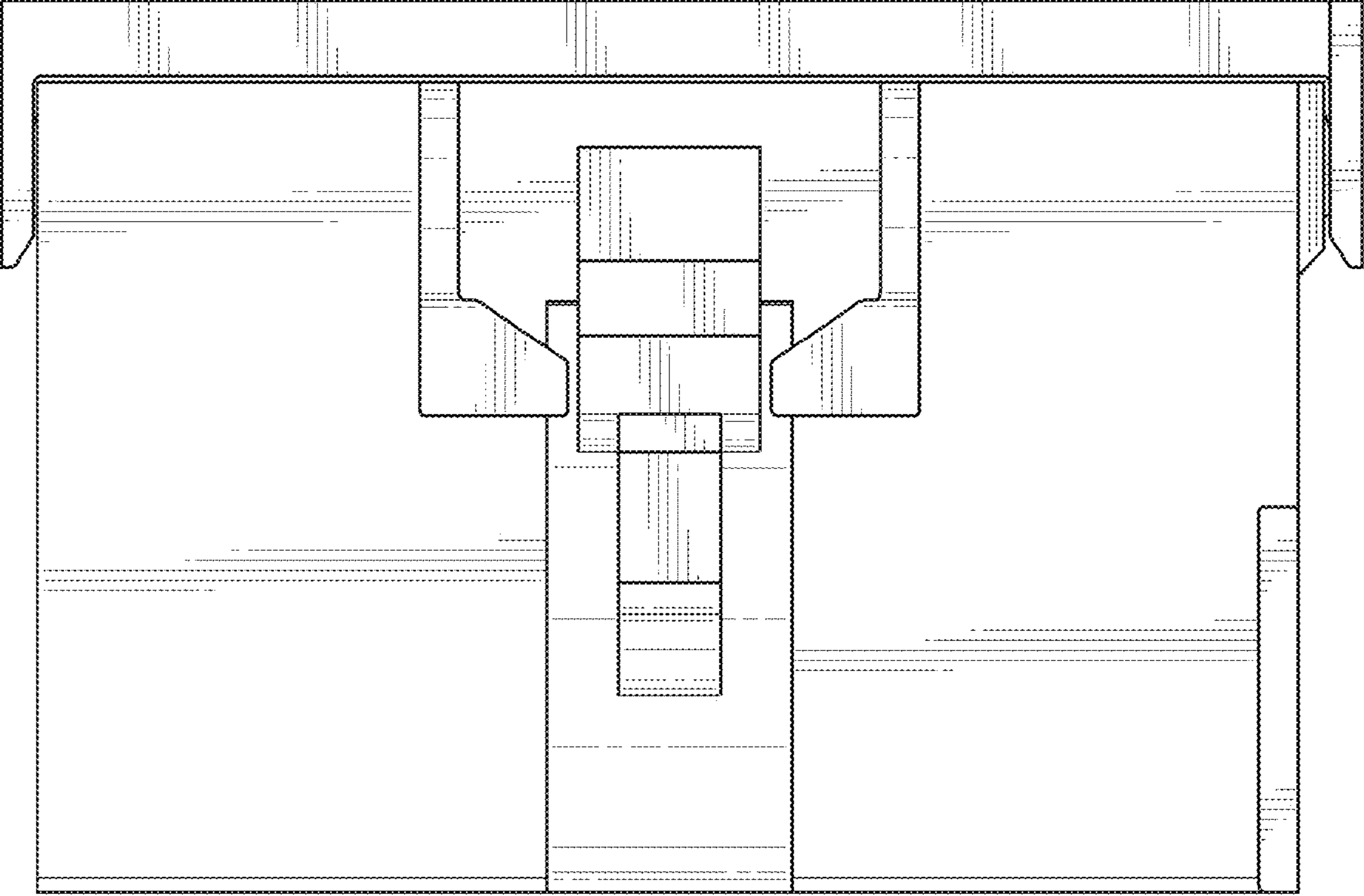


FIG. 34

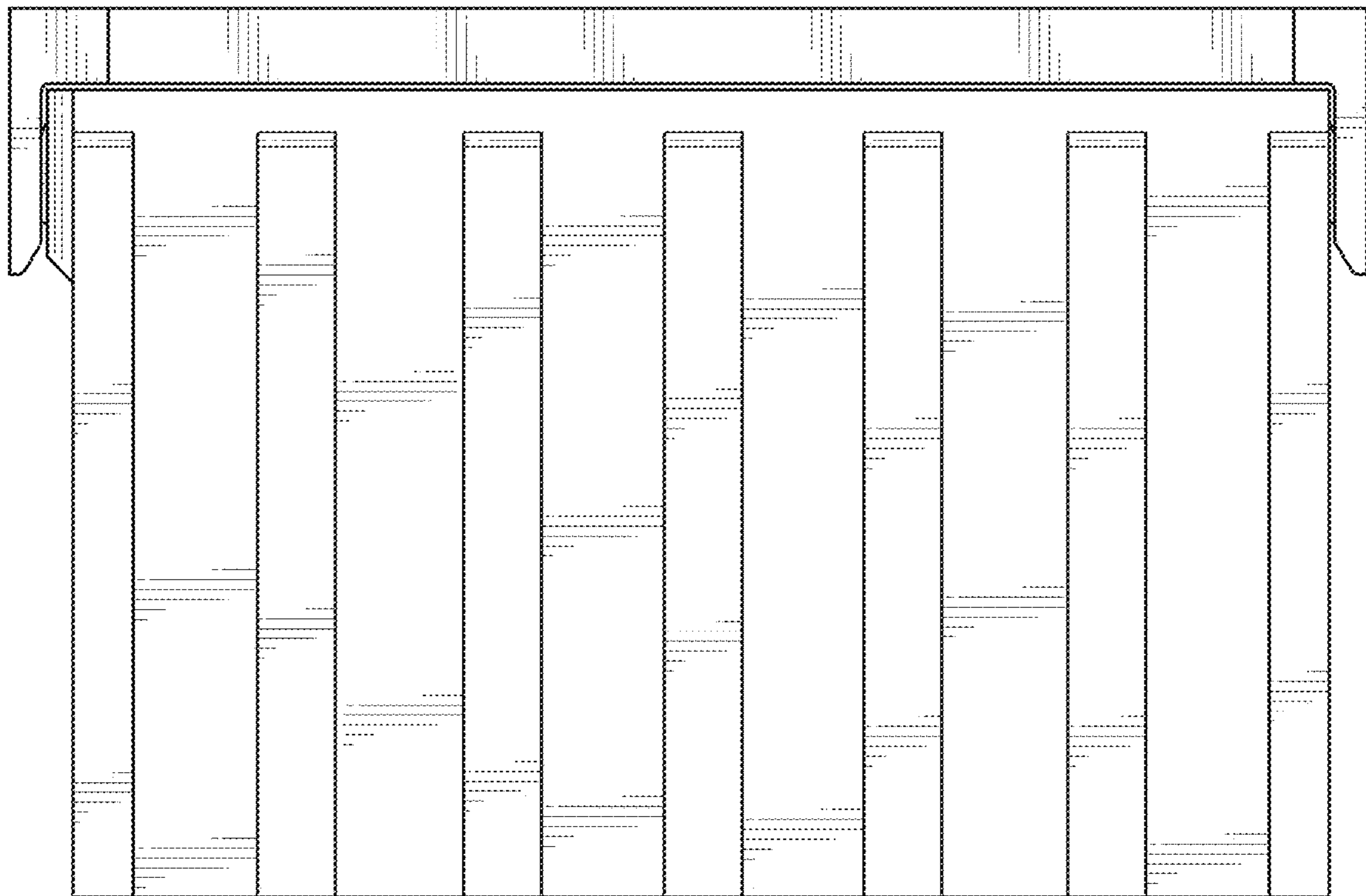


FIG. 35

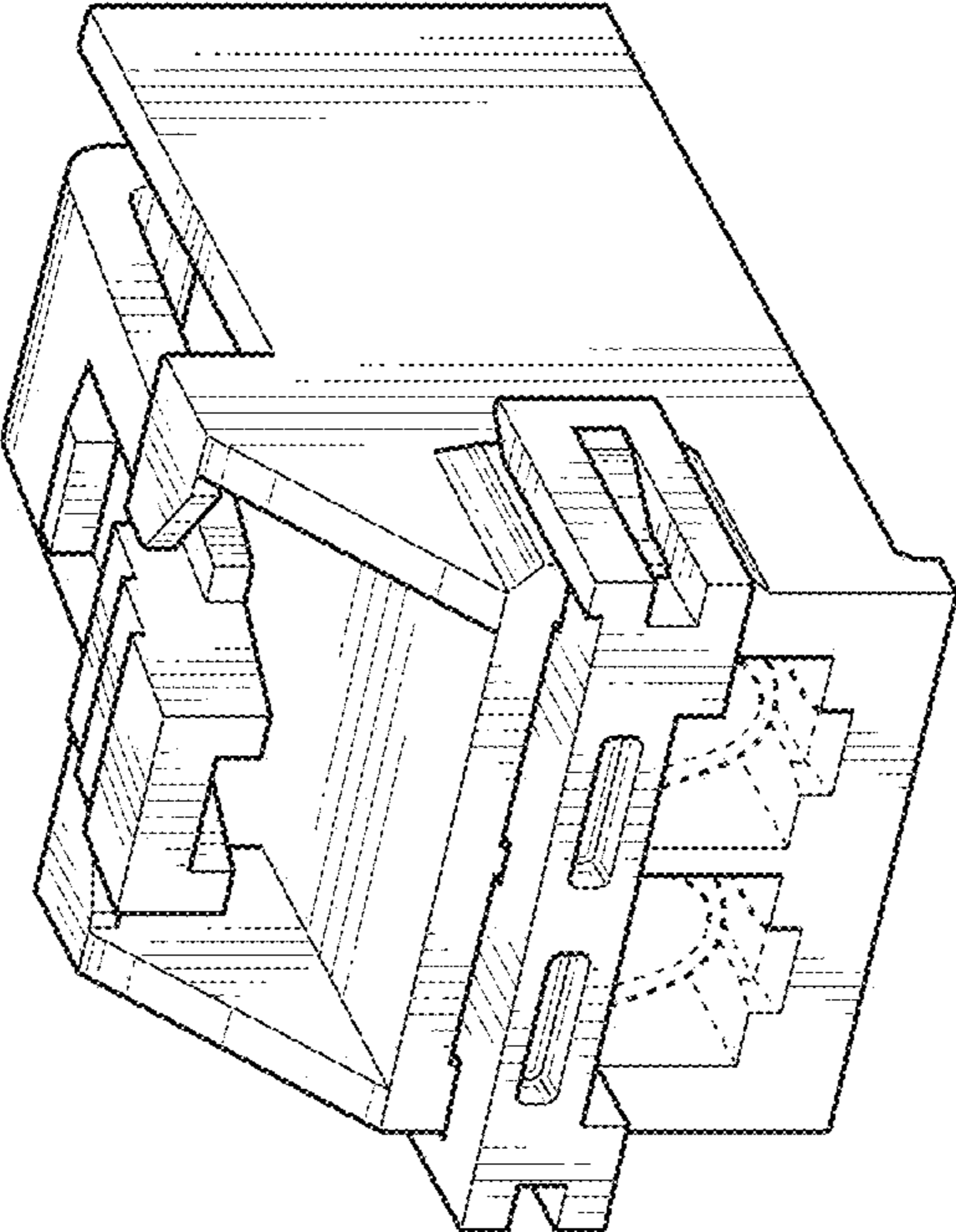


FIG. 36

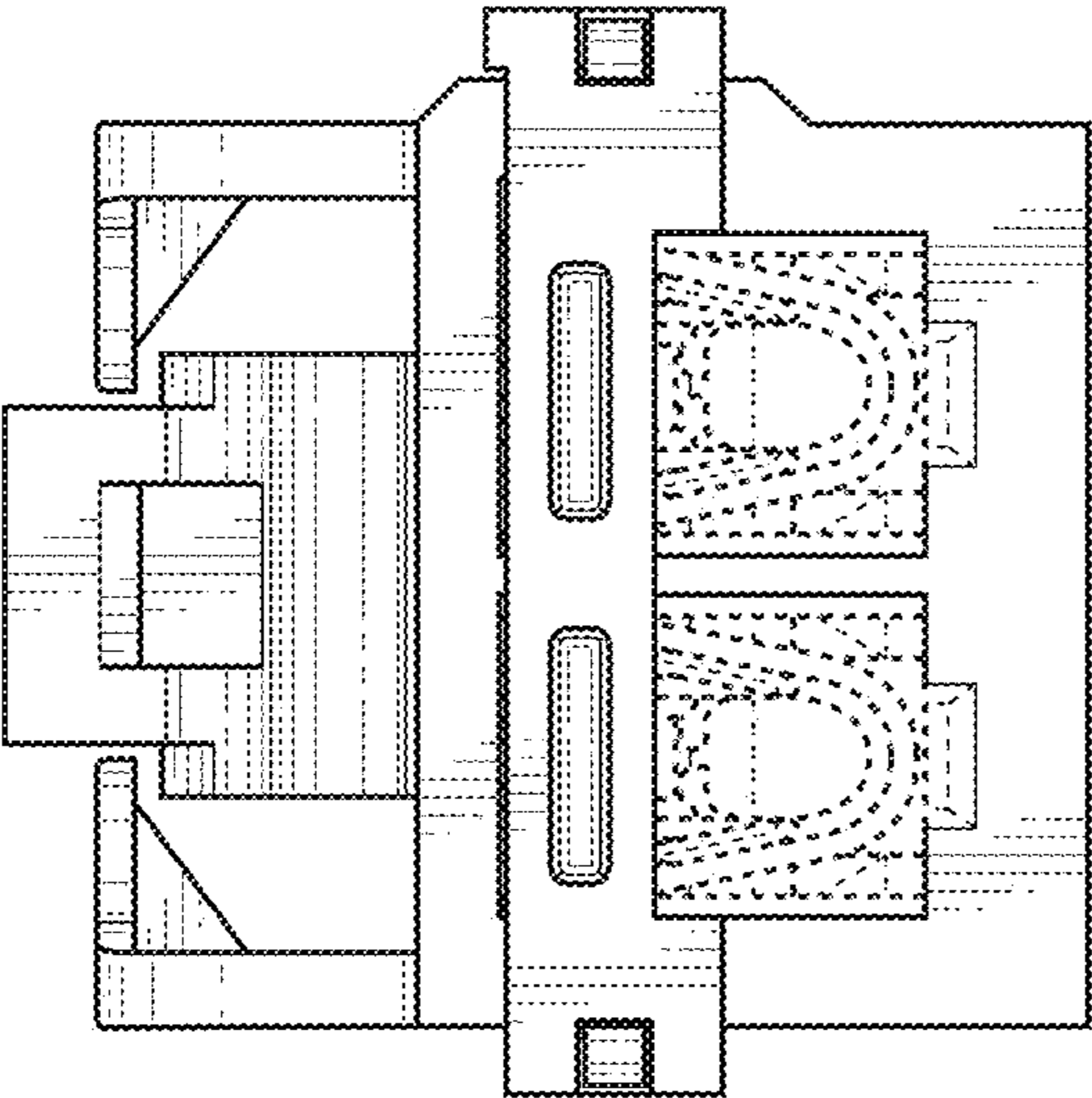


FIG. 37

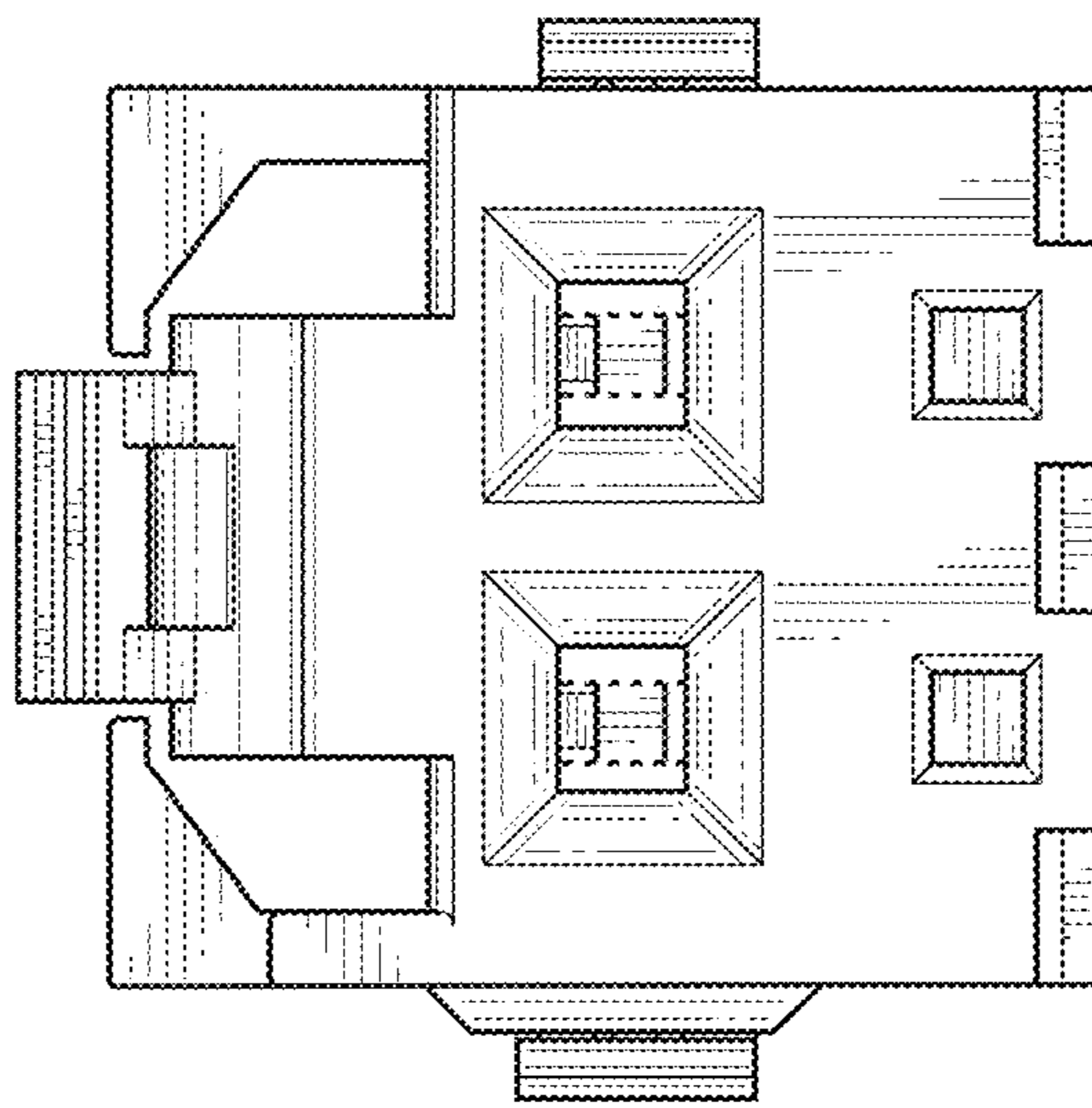


FIG. 38

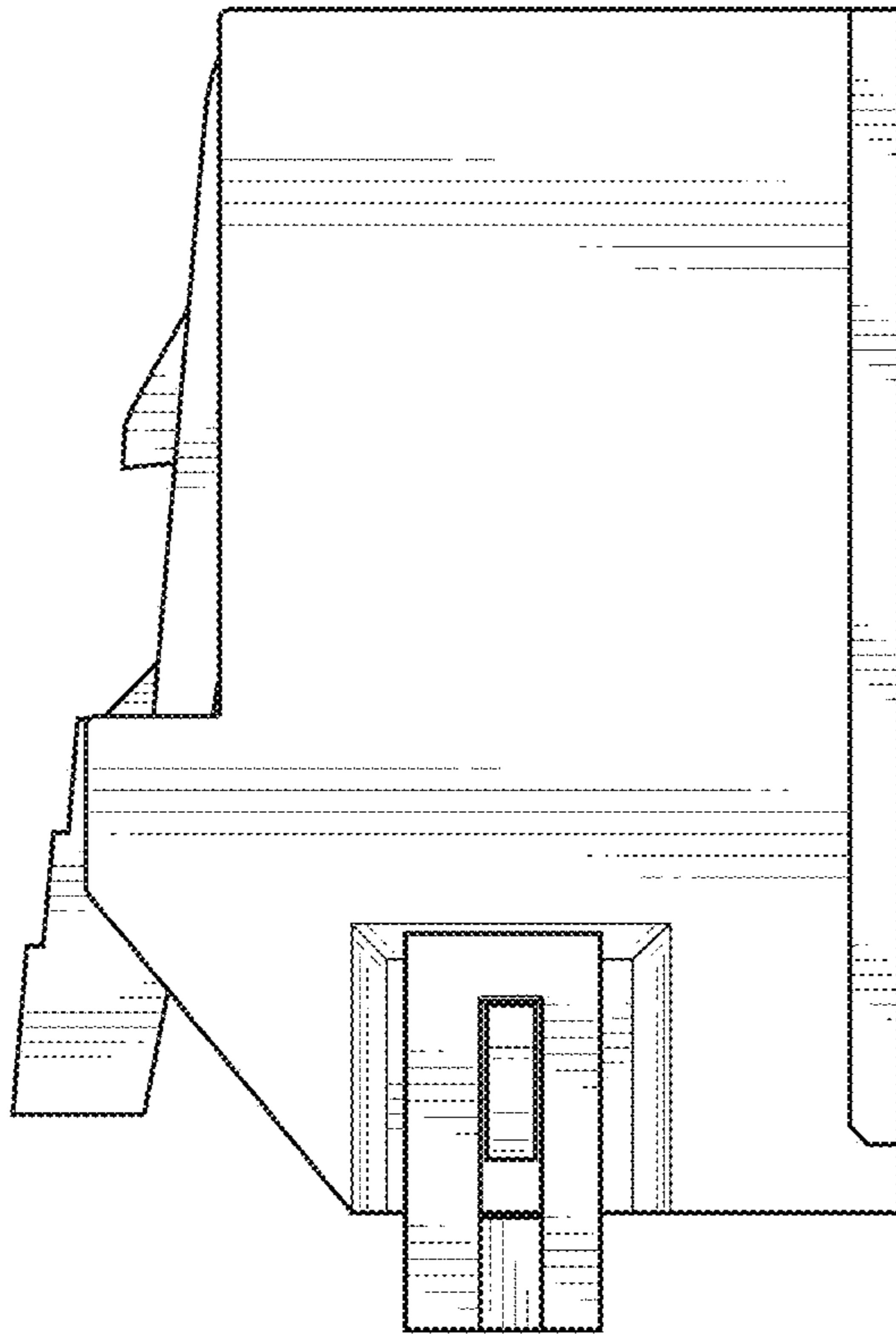


FIG. 39

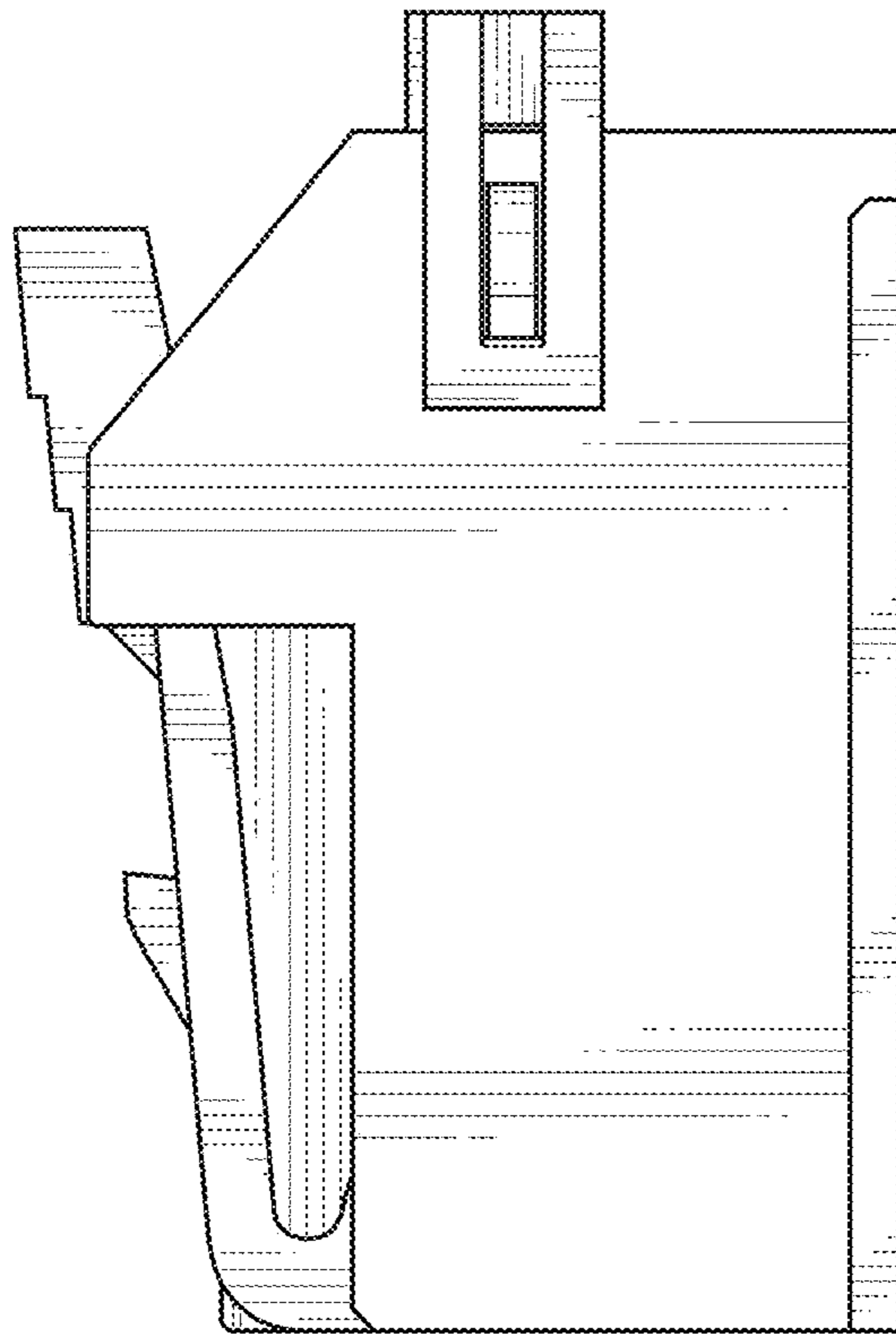


FIG. 40

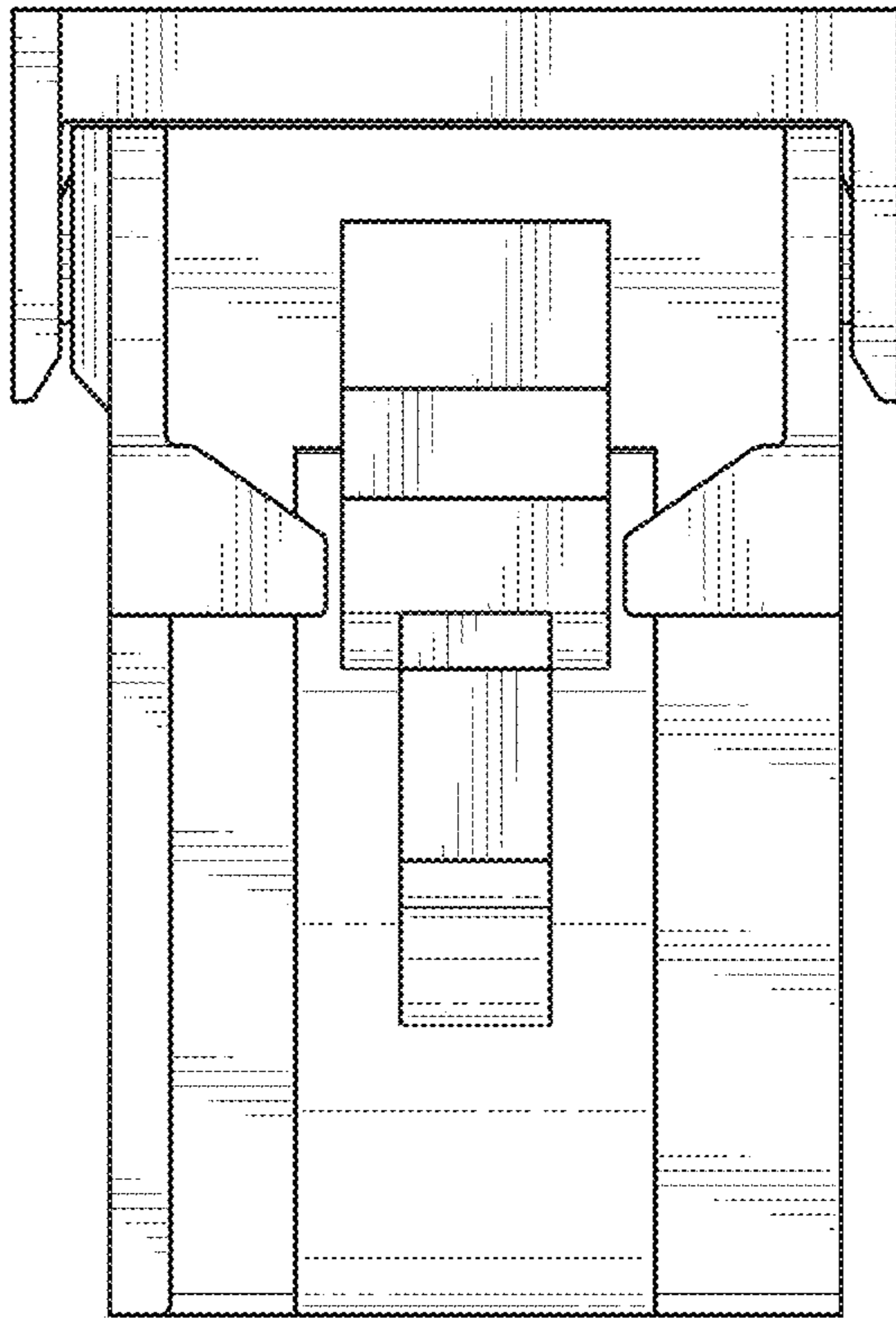


FIG. 41

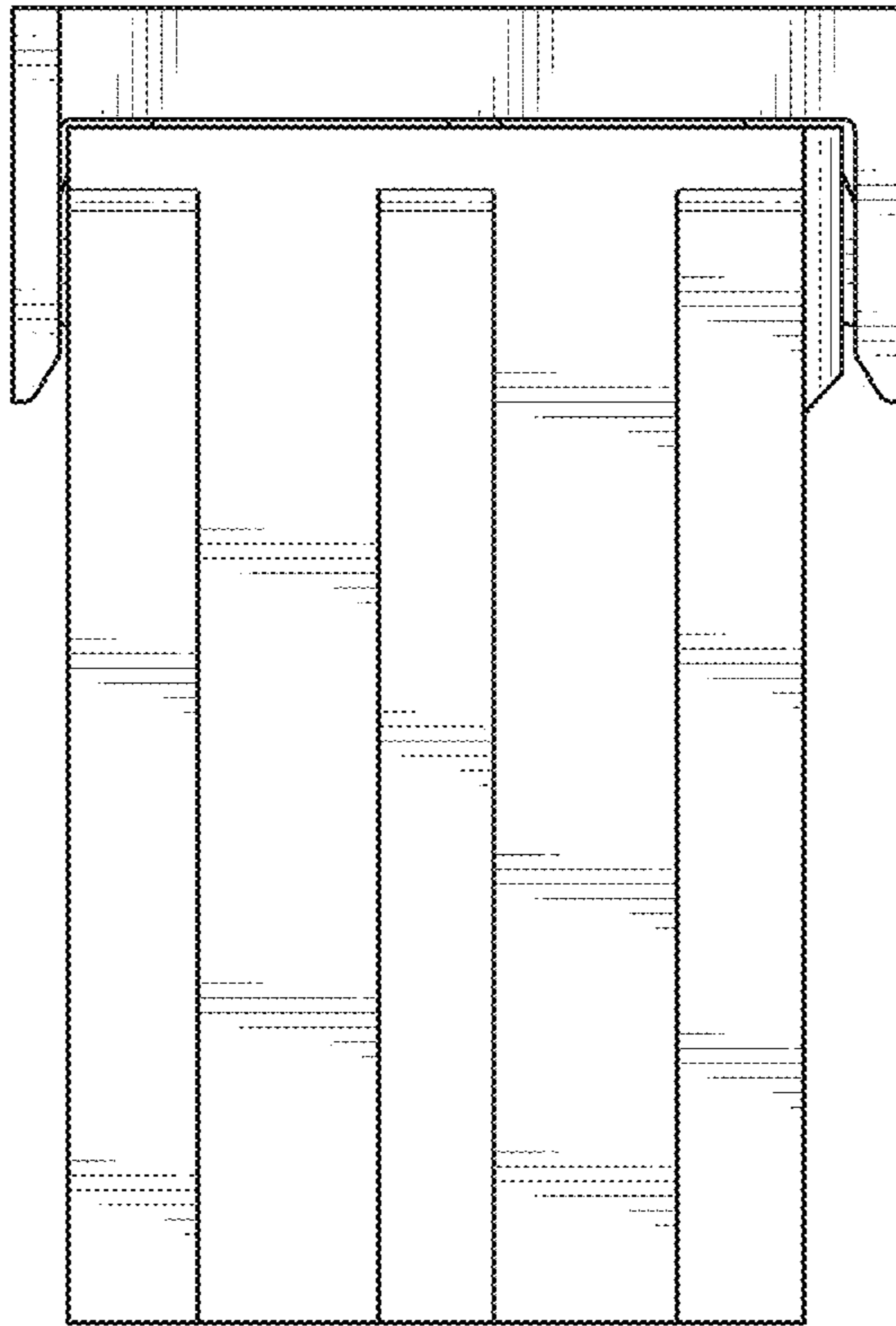


FIG. 42

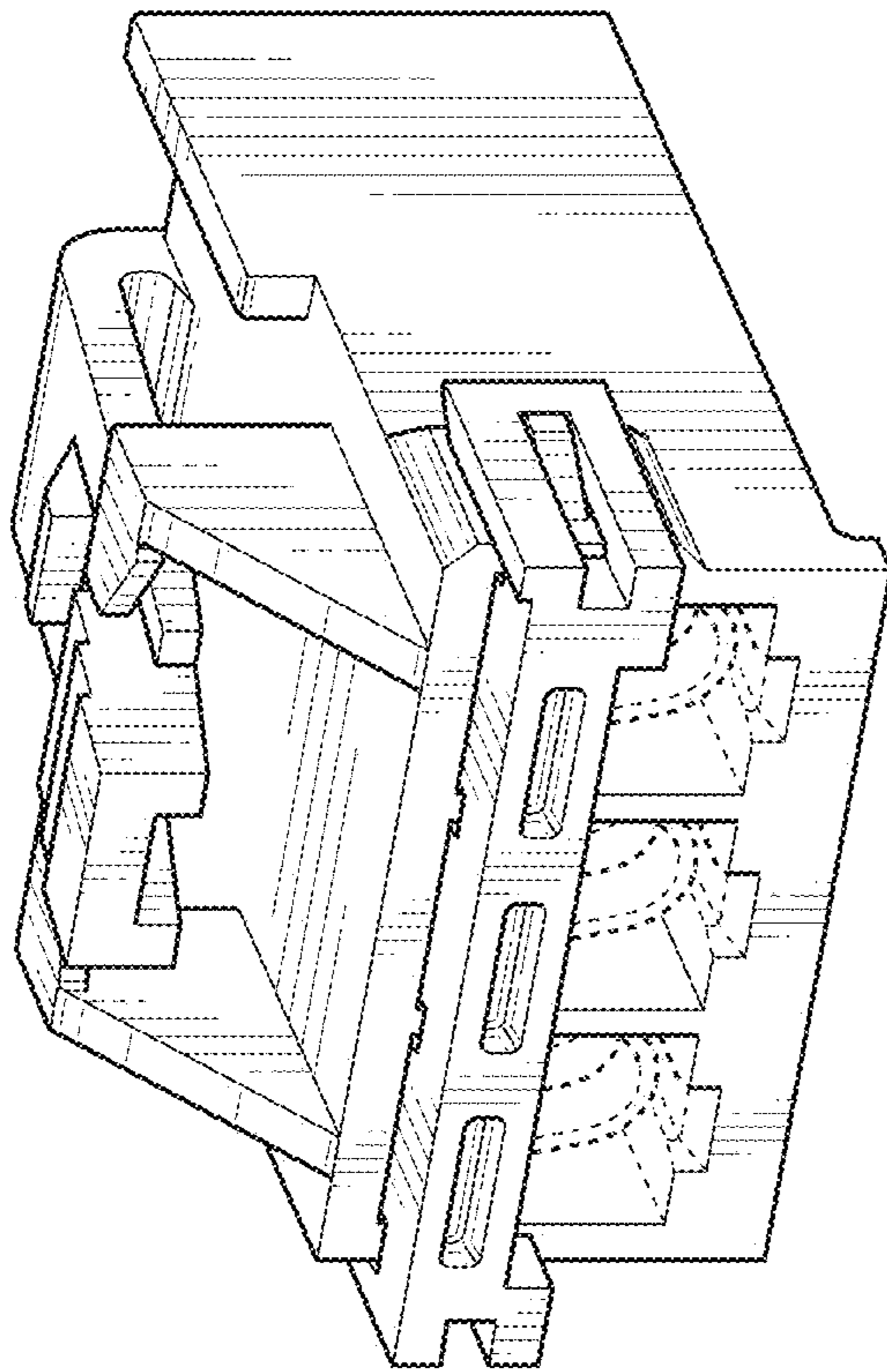


FIG. 43

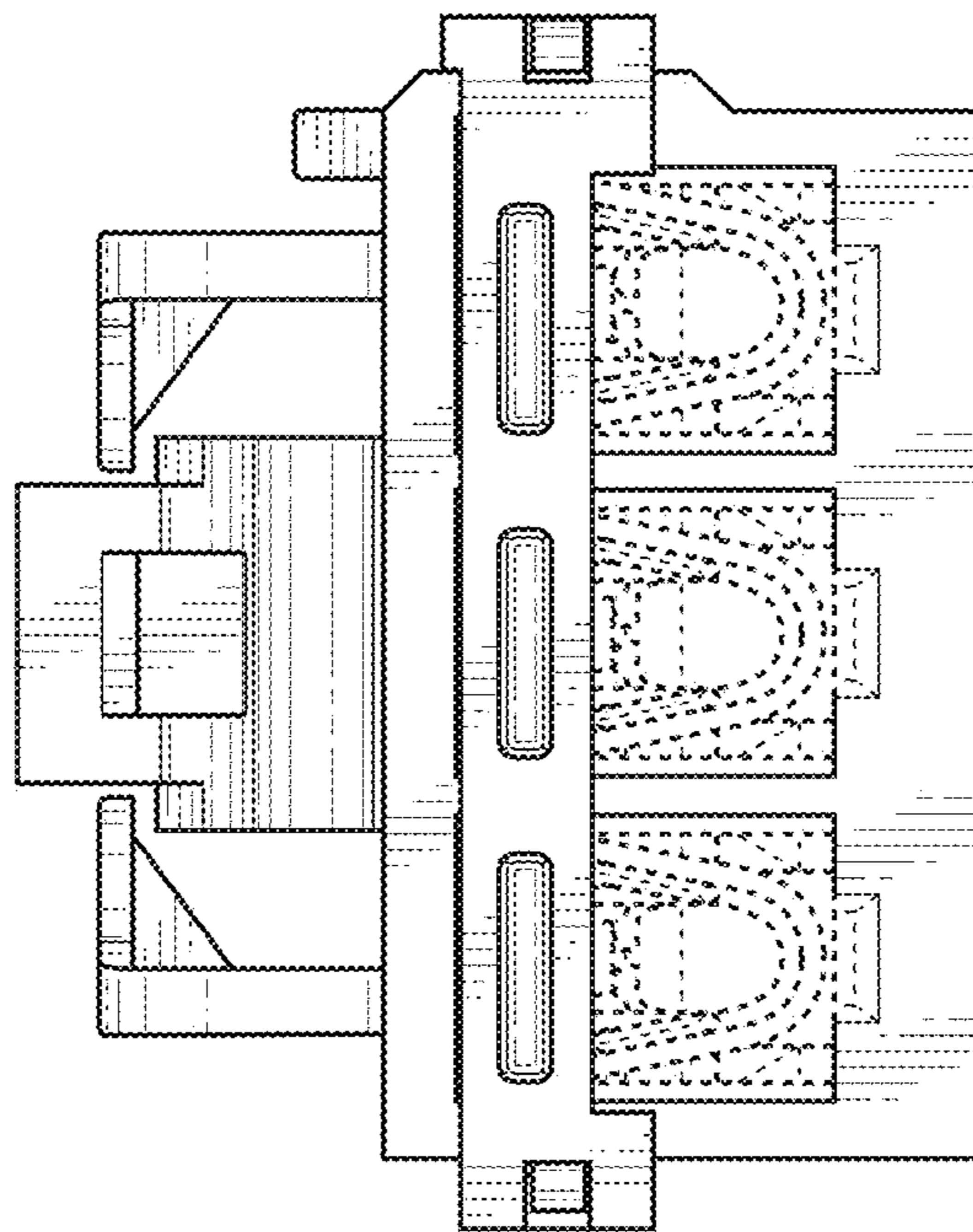


FIG. 44

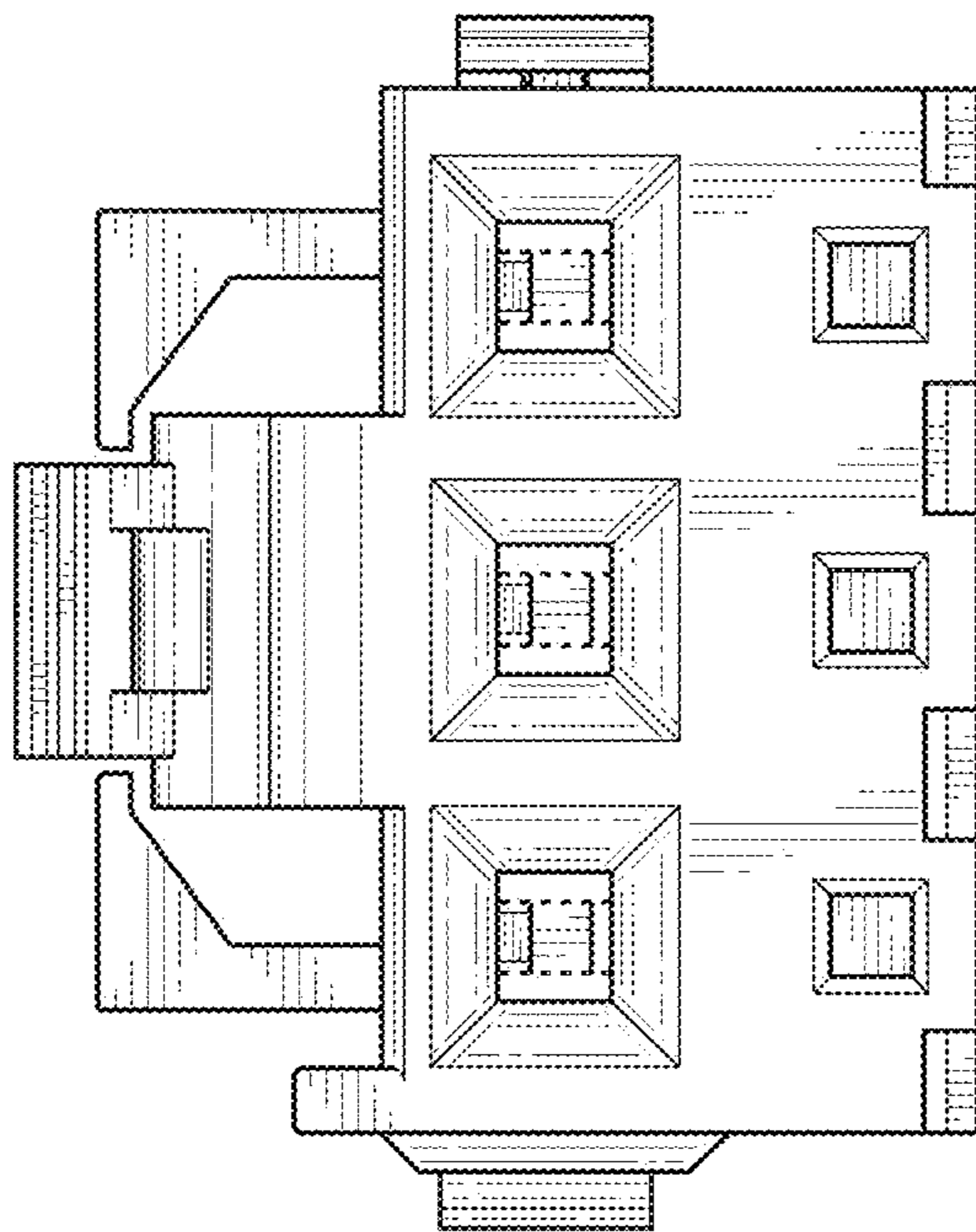


FIG. 45

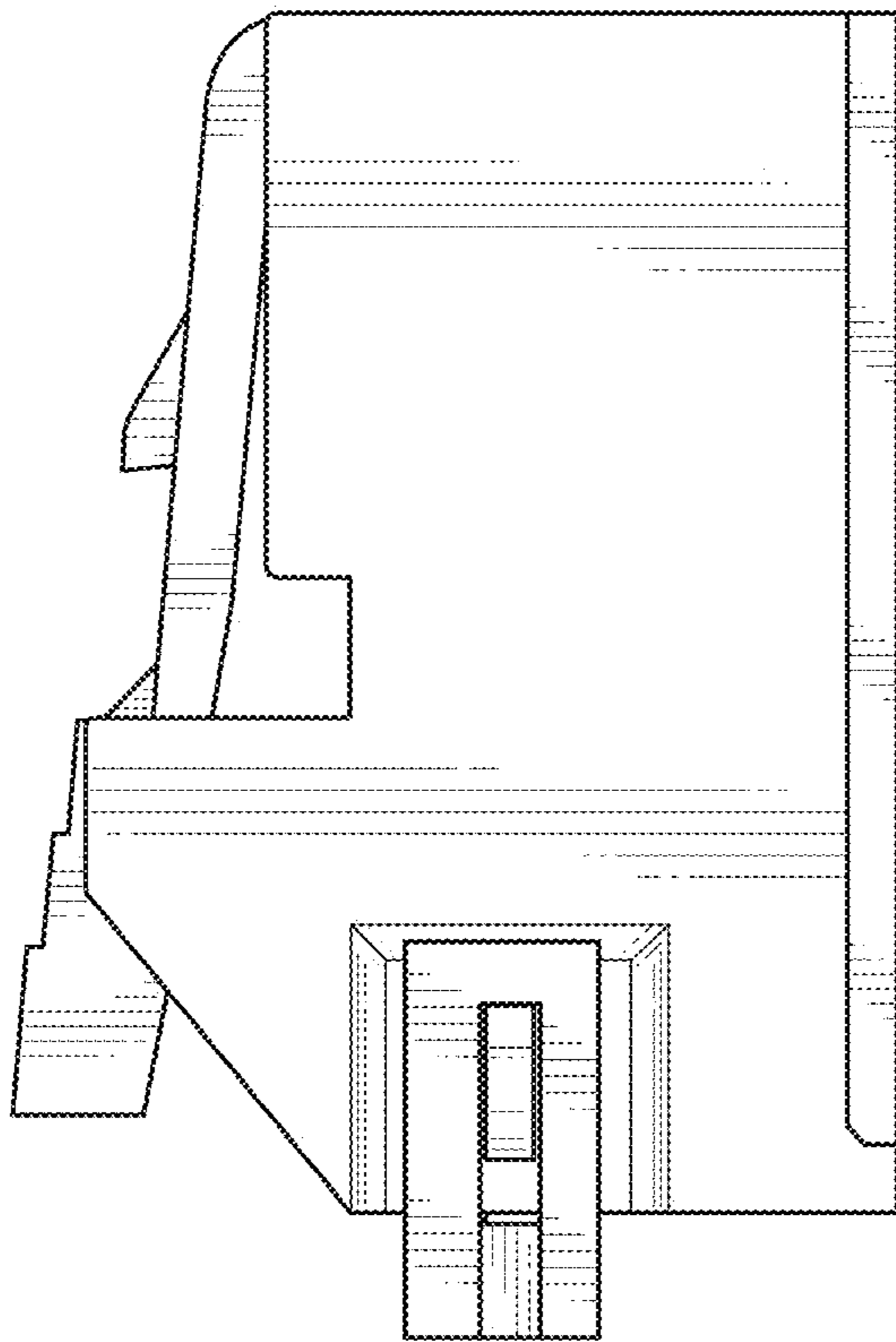


FIG. 46

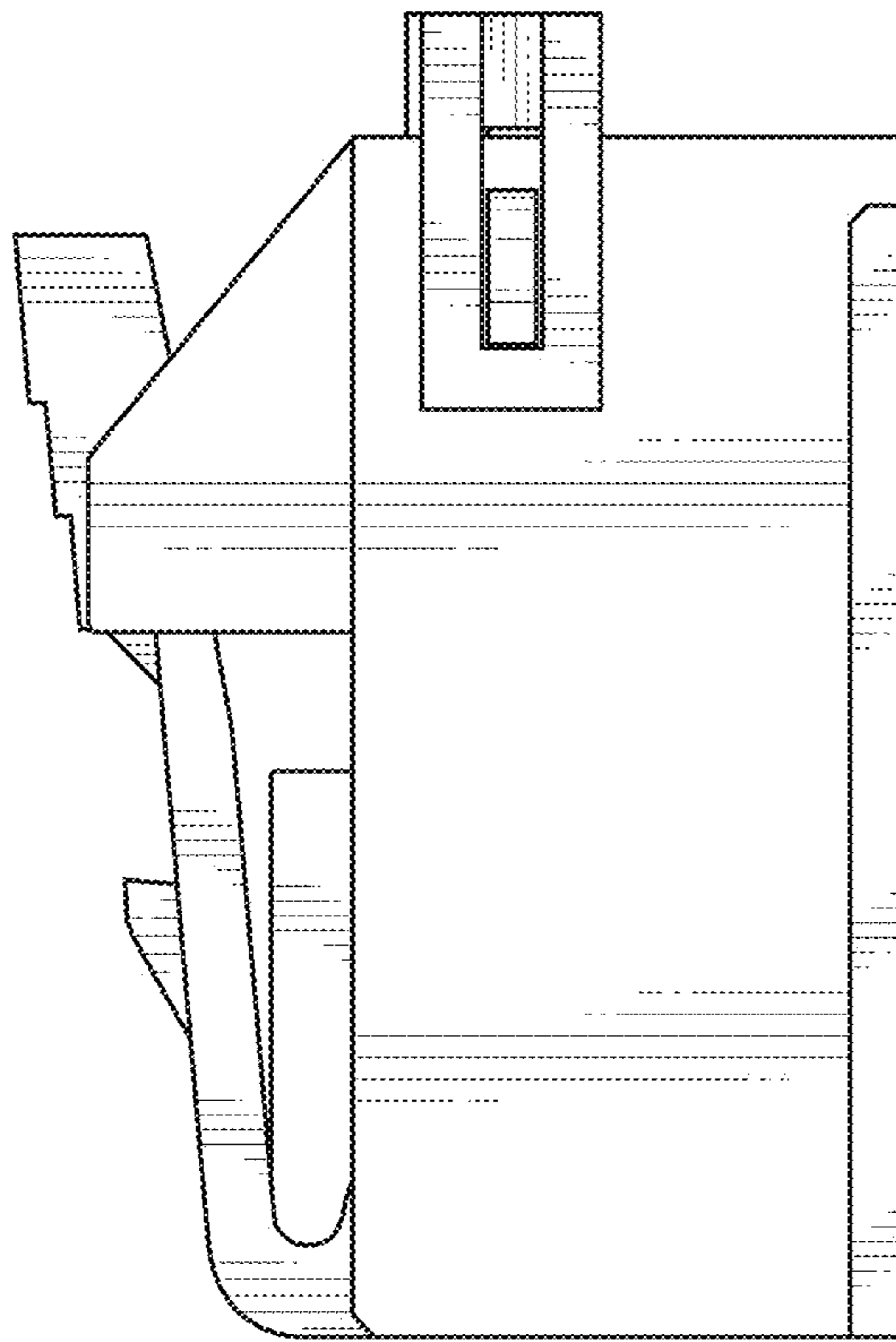


FIG. 47

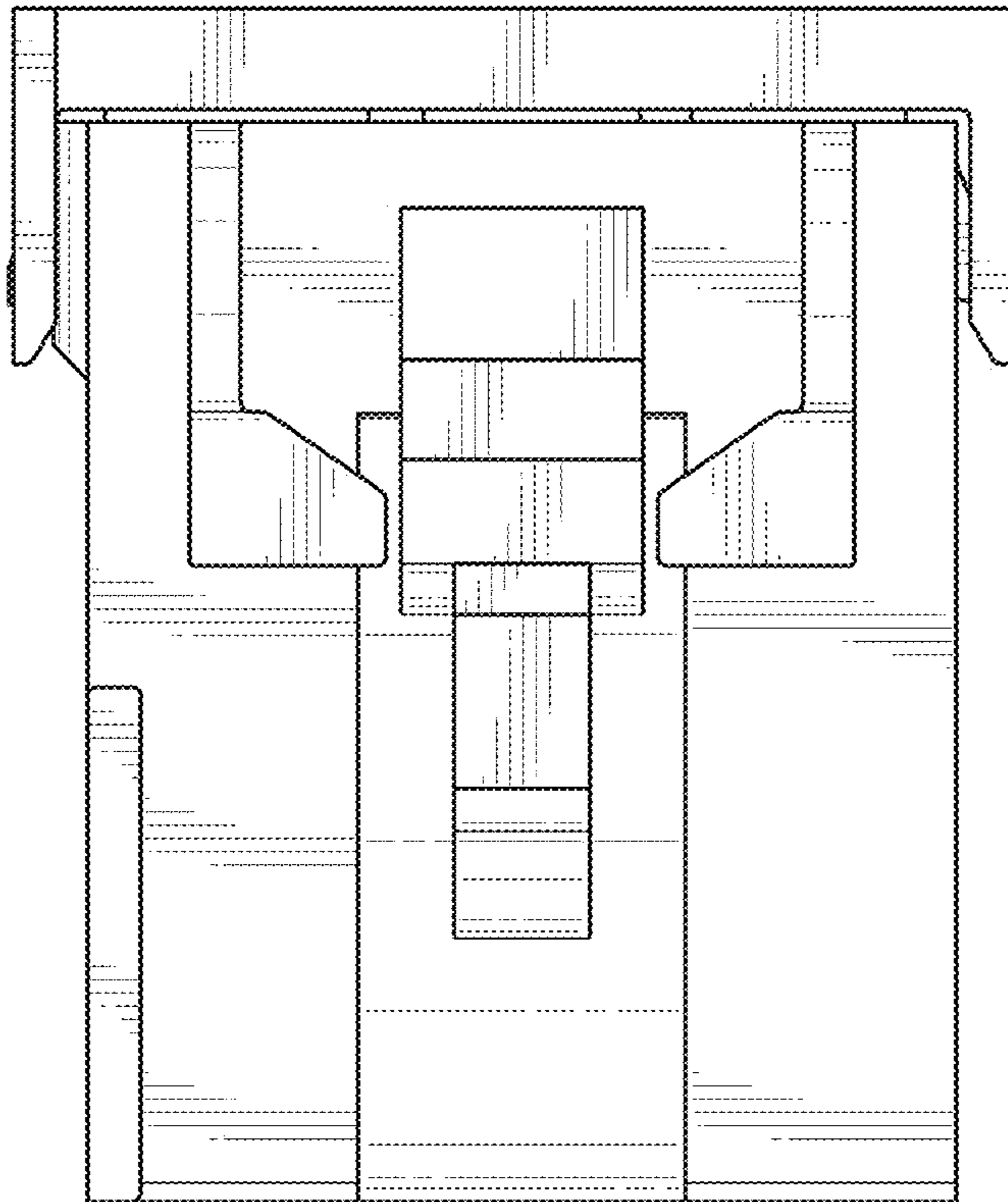


FIG. 48

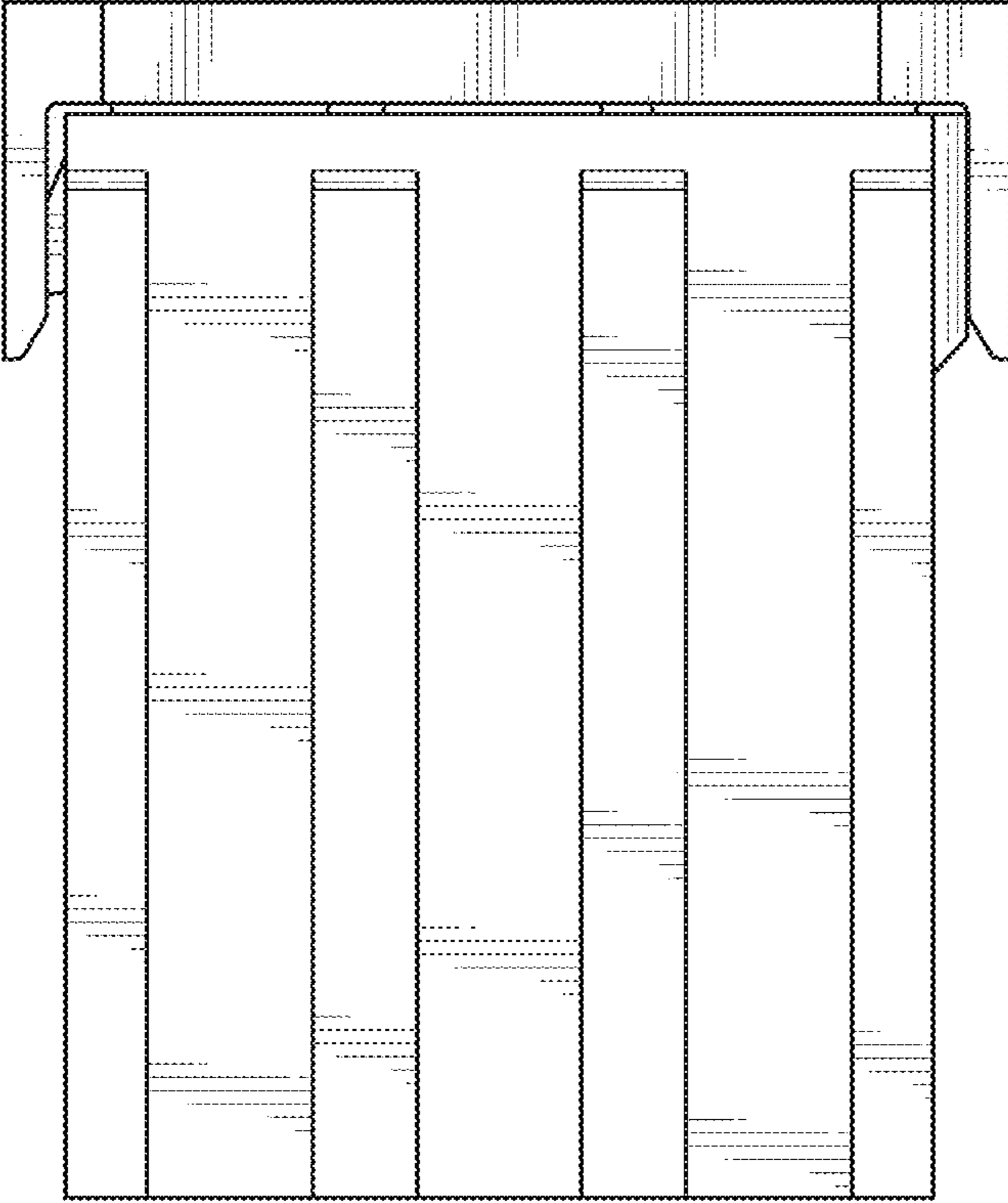


FIG. 49

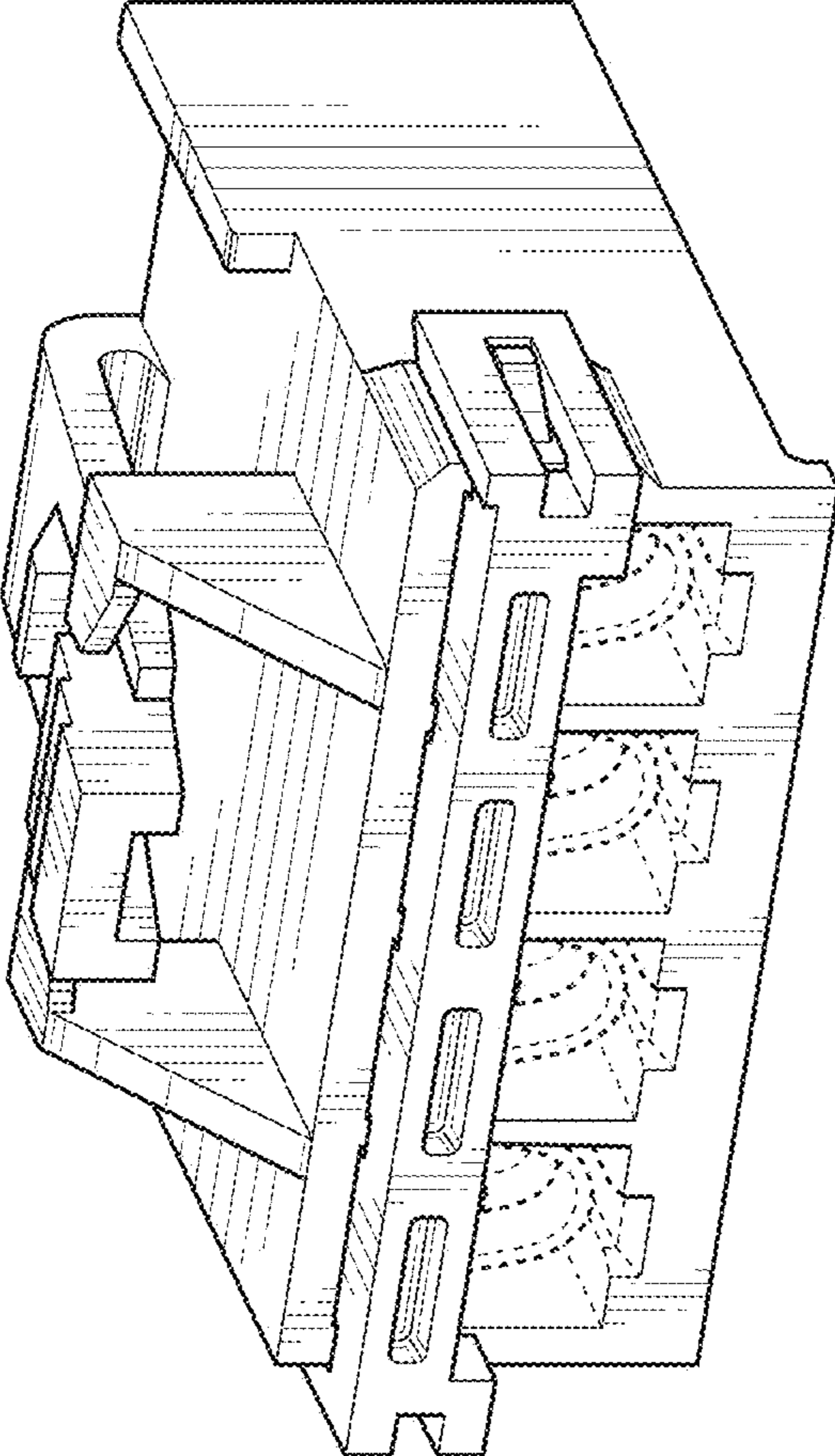


FIG. 50

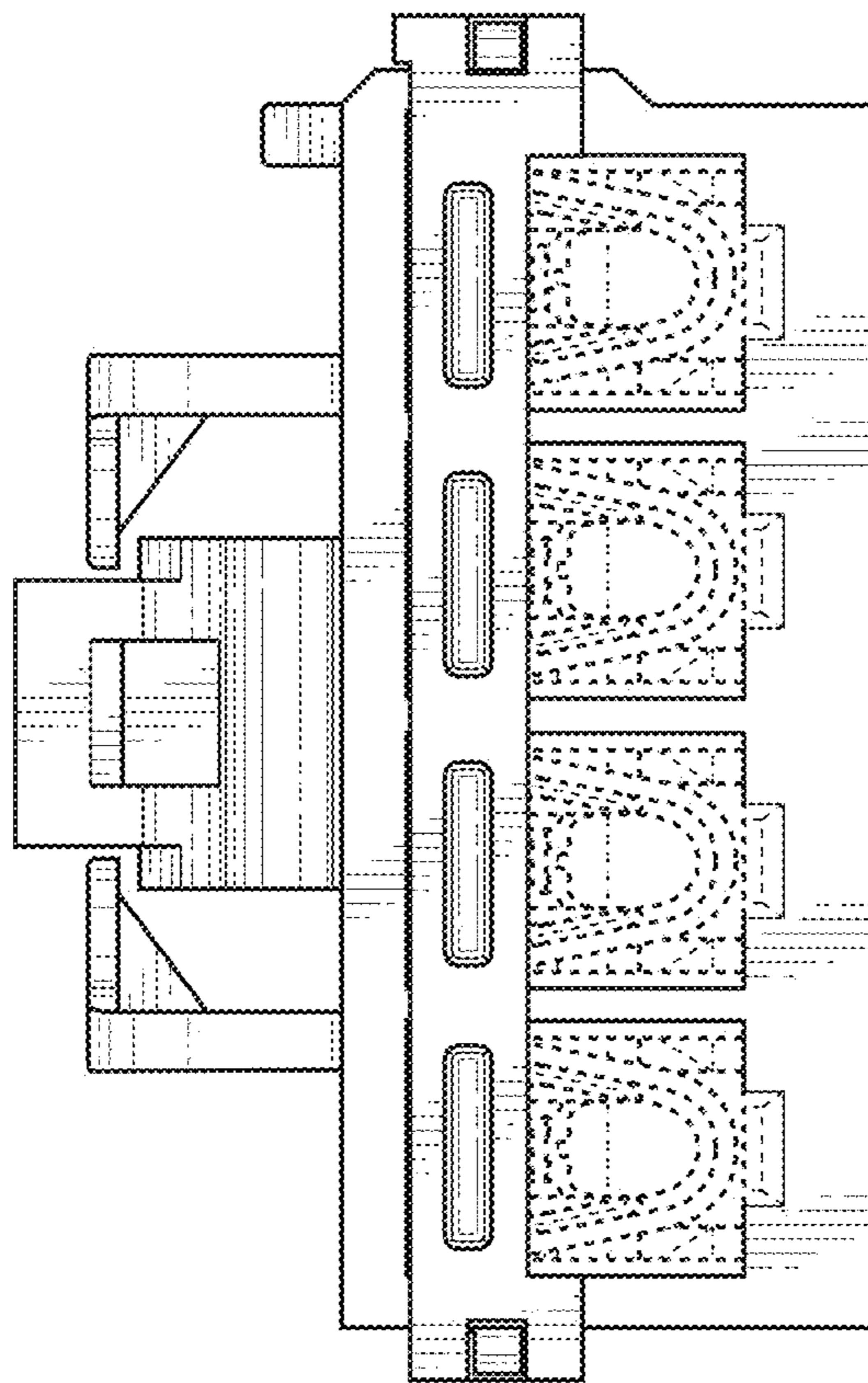


FIG. 51

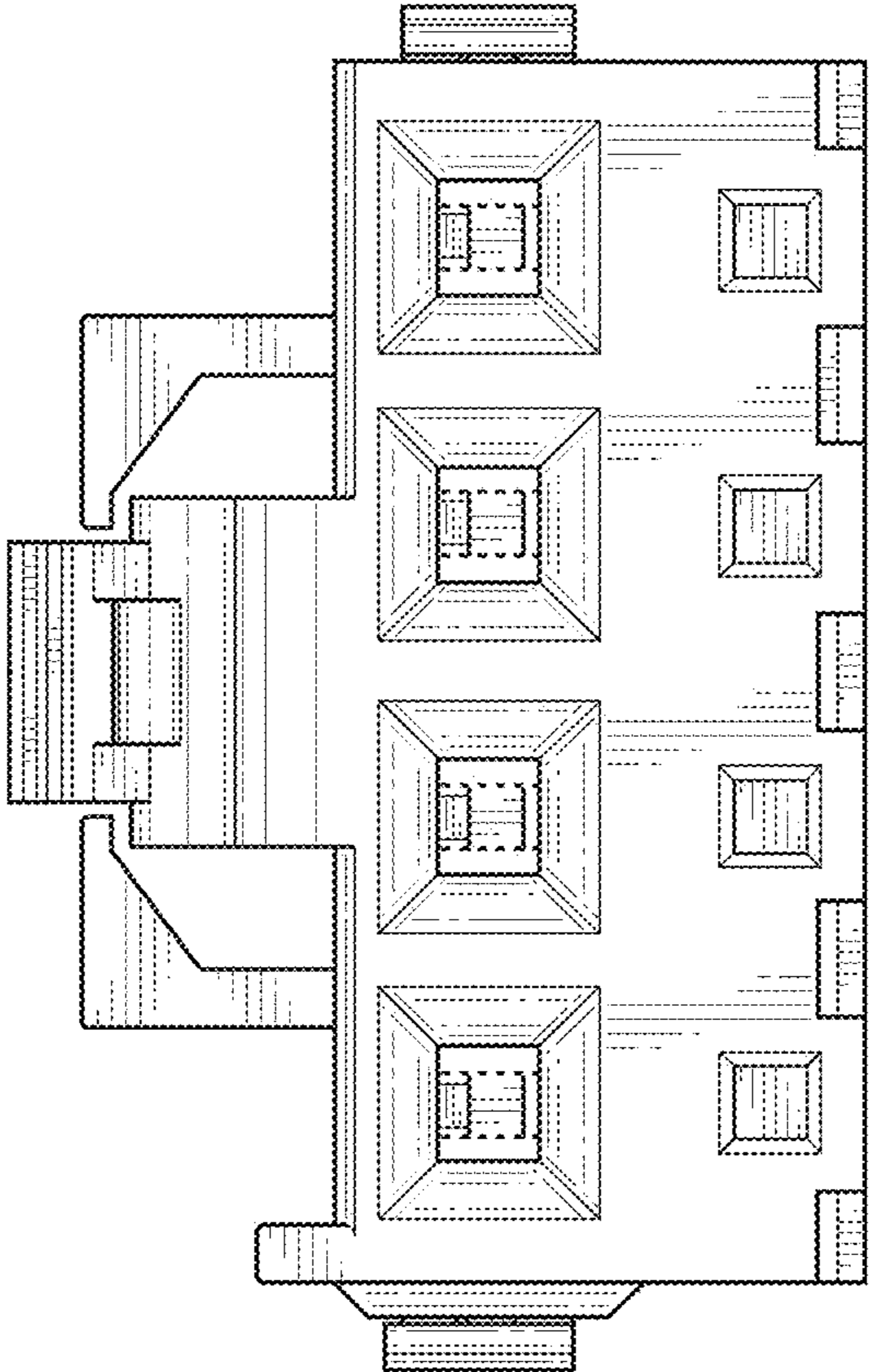


FIG. 52

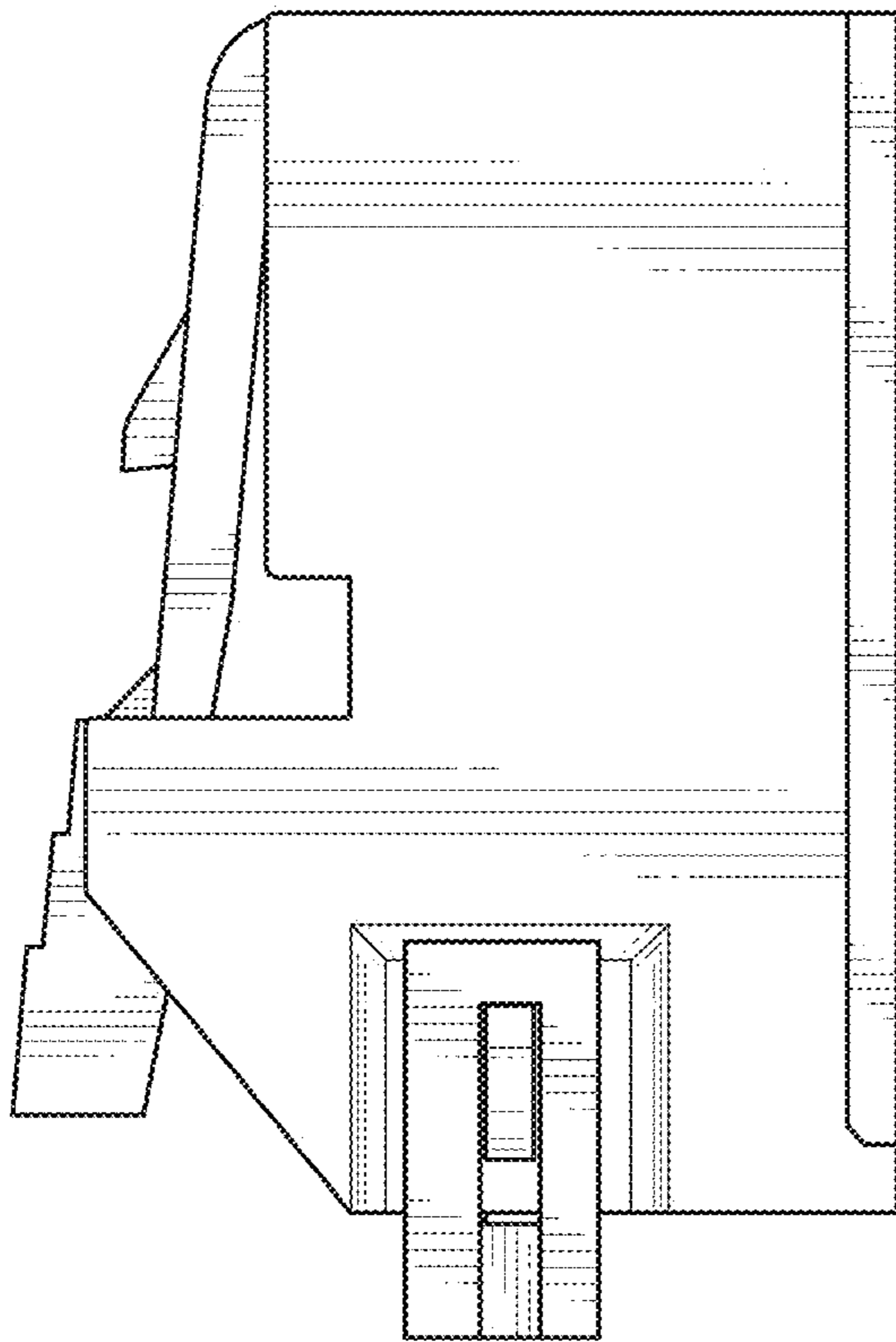


FIG. 53

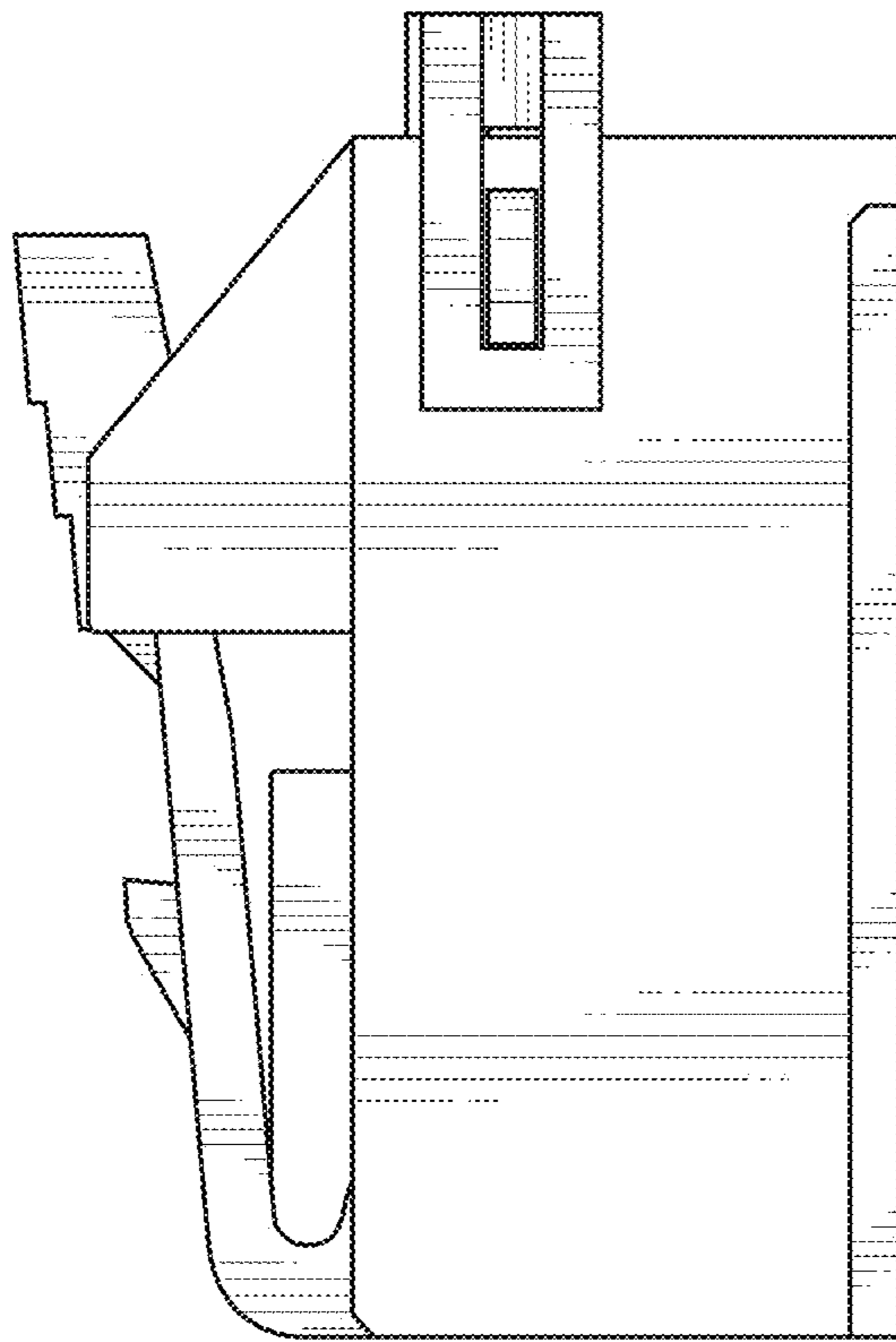


FIG. 54

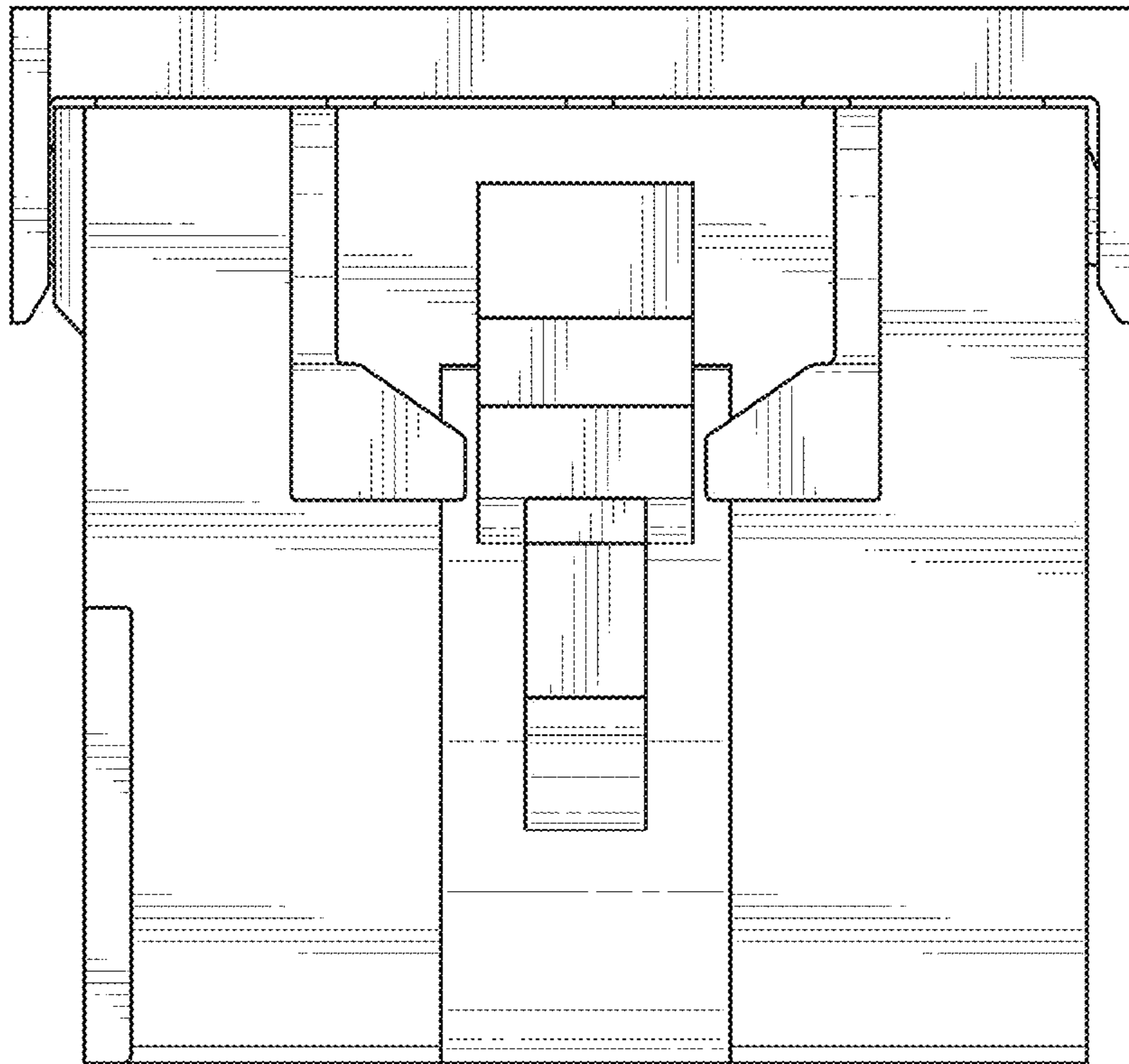


FIG. 55

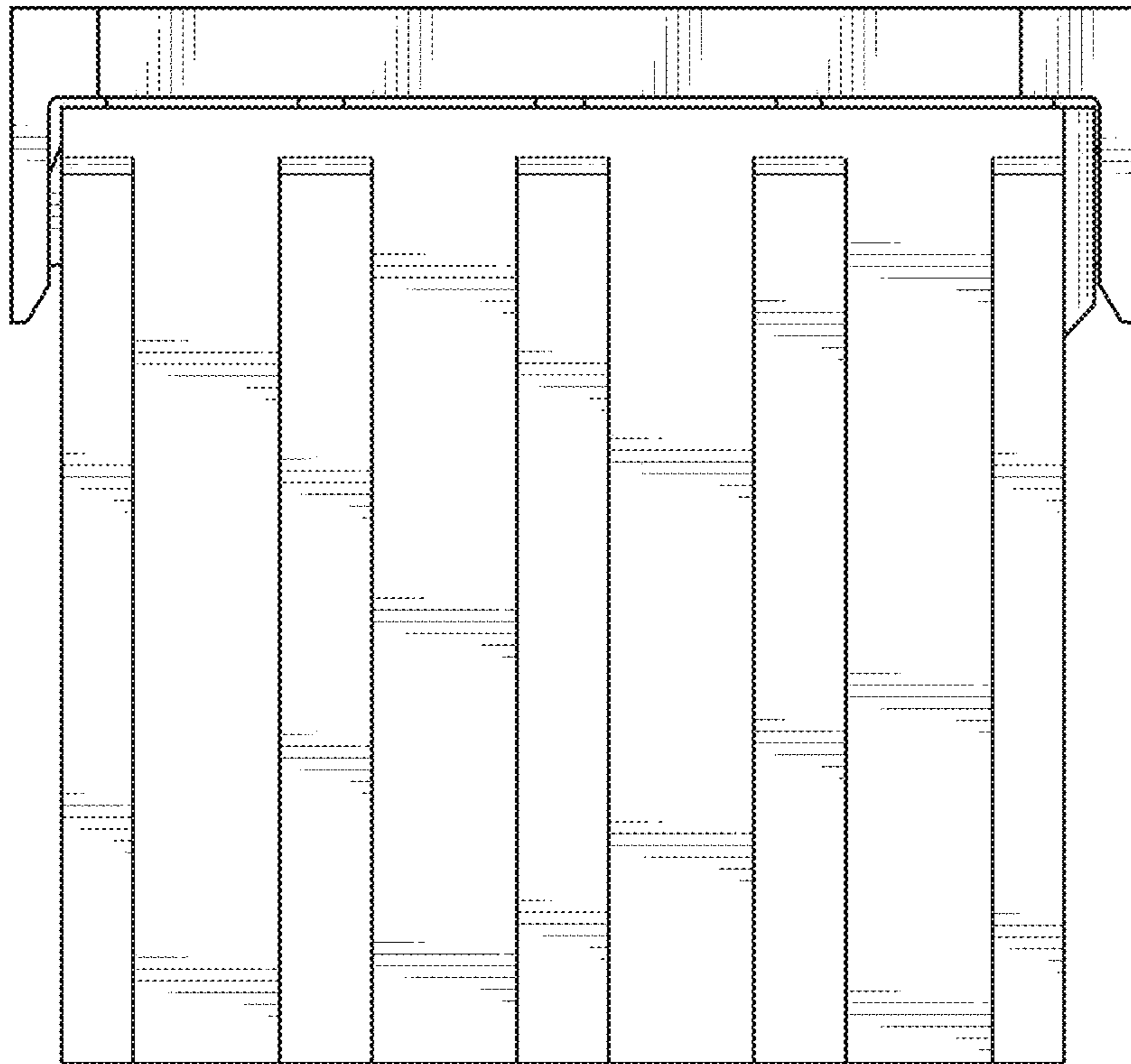


FIG. 56

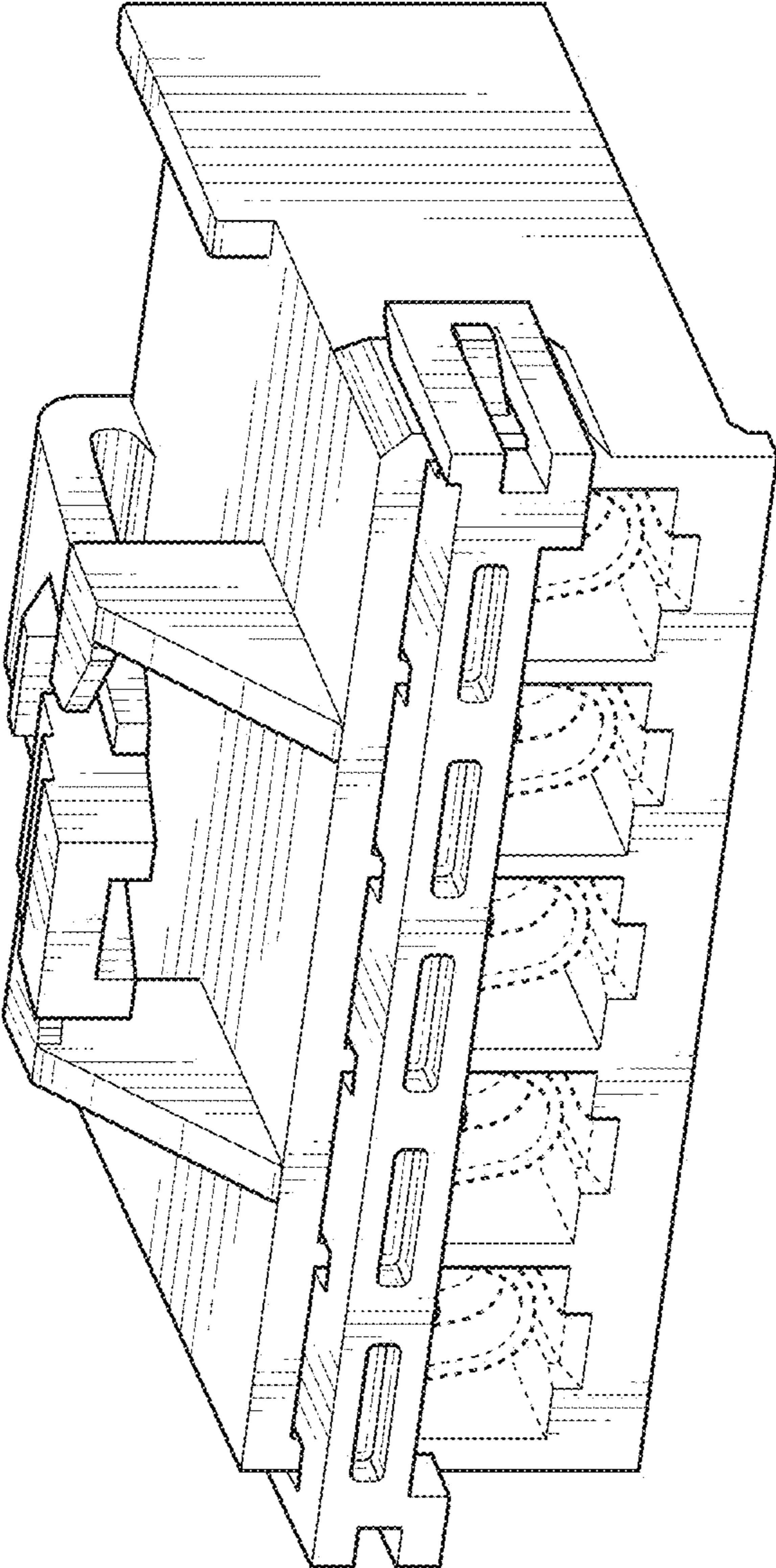


FIG. 57

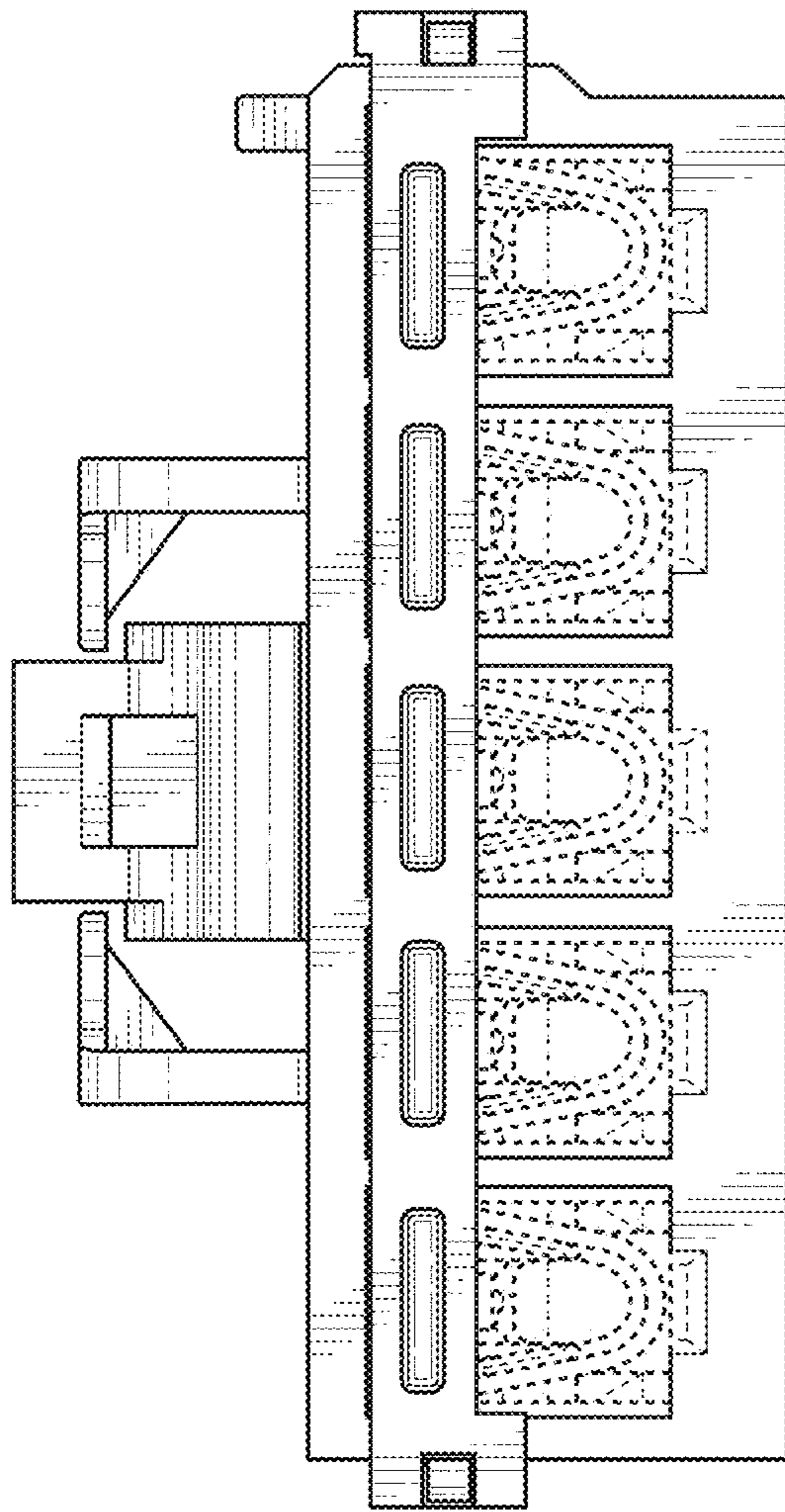


FIG. 58

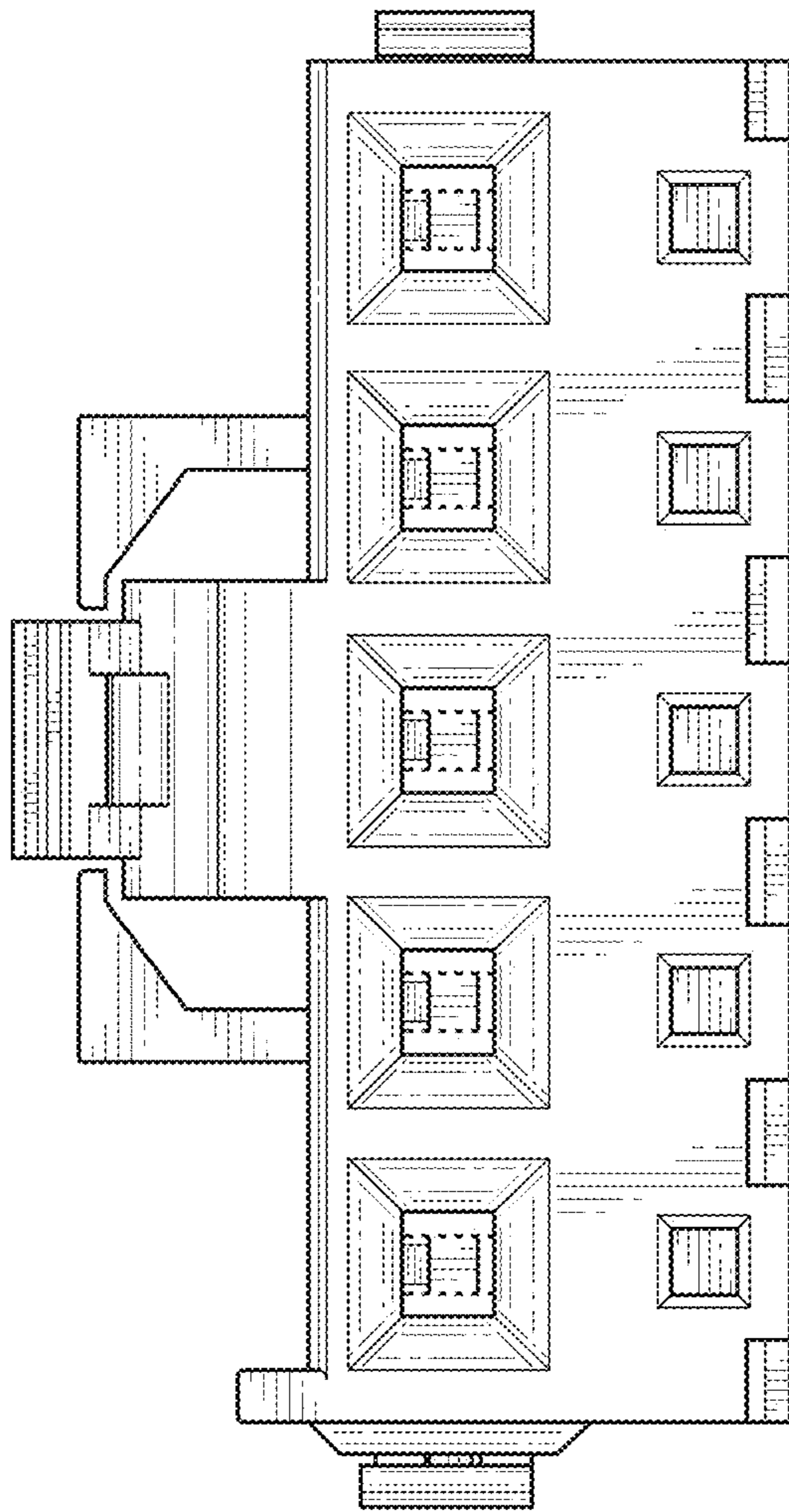


FIG. 59

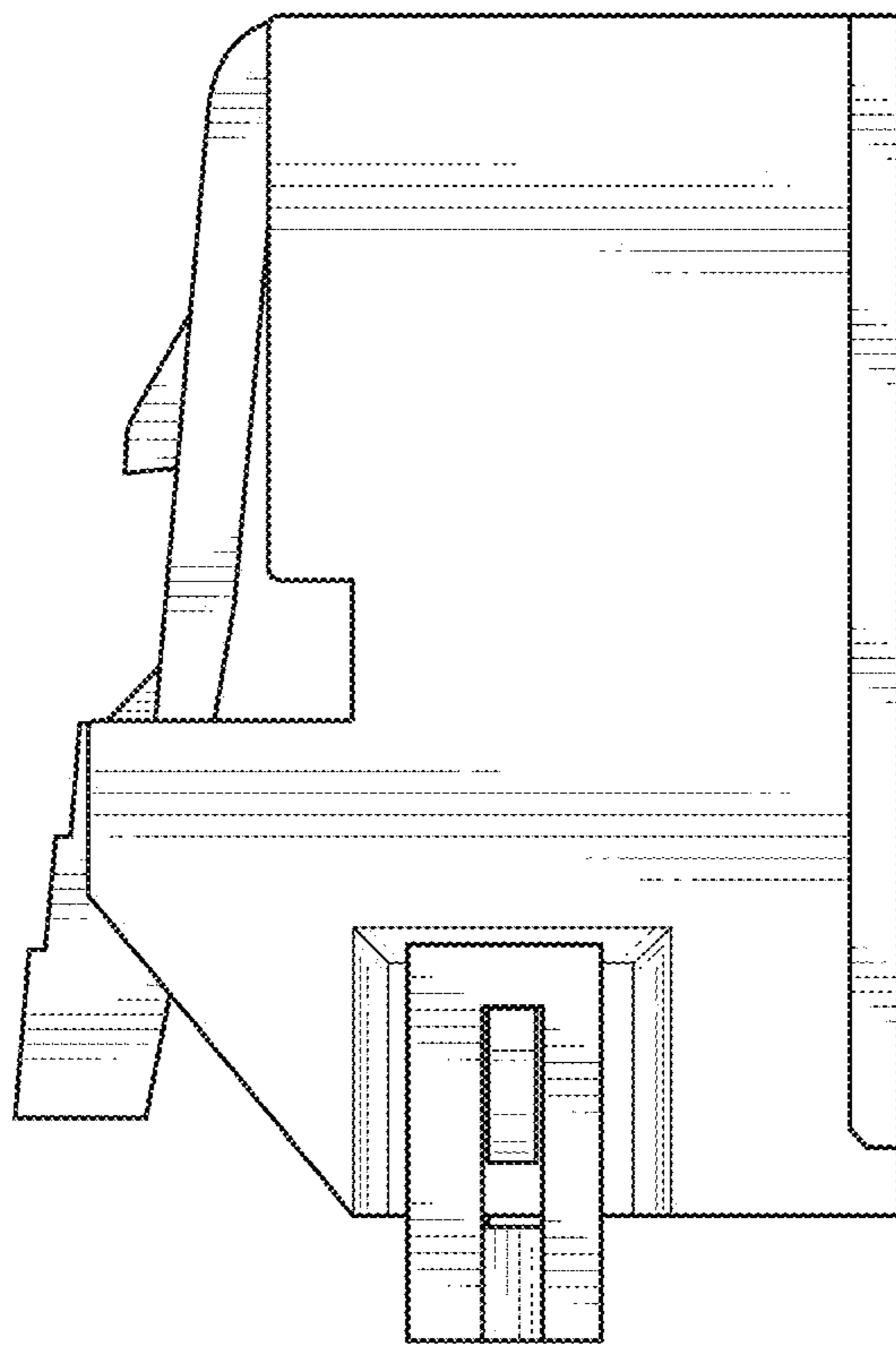


FIG. 60

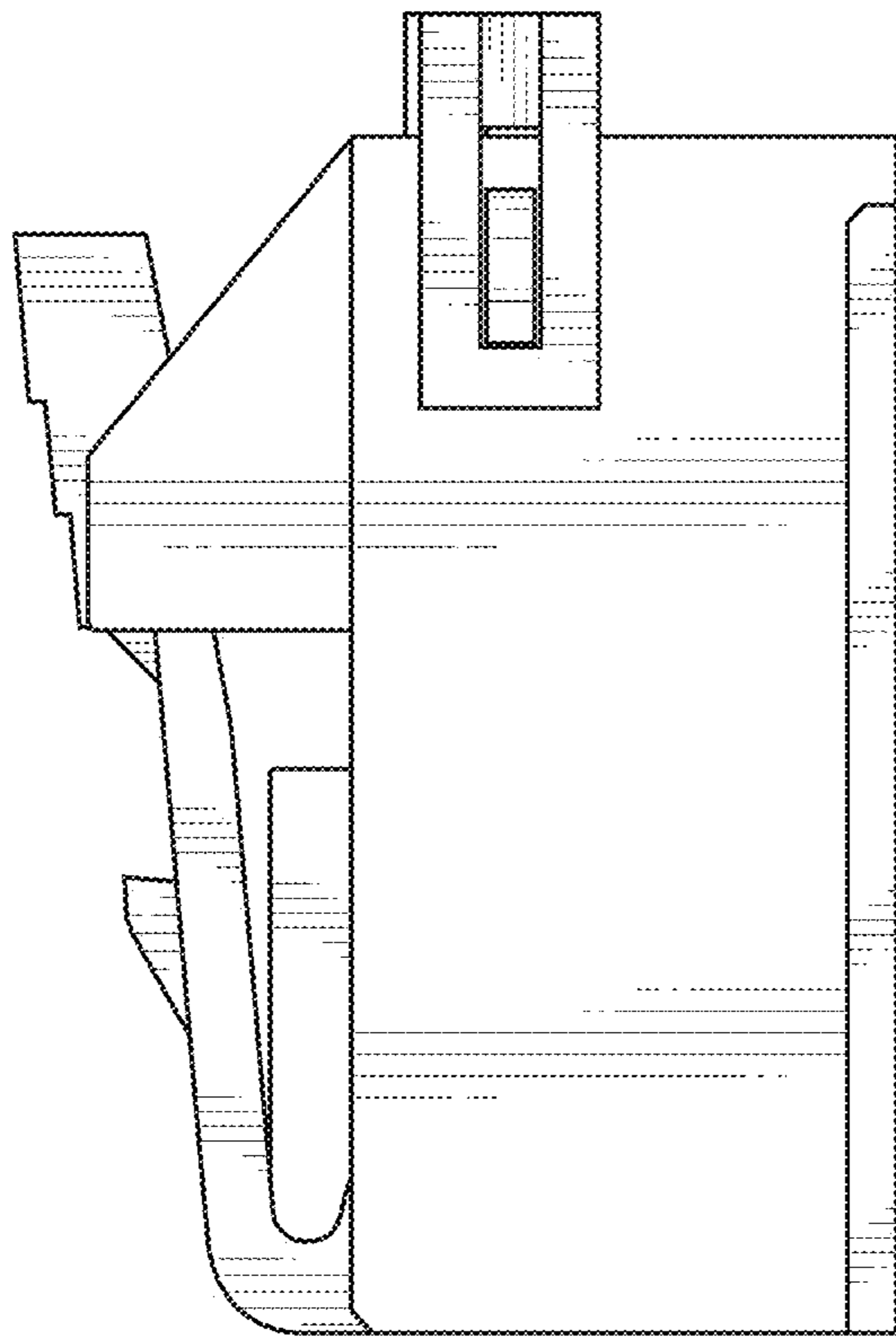


FIG. 61

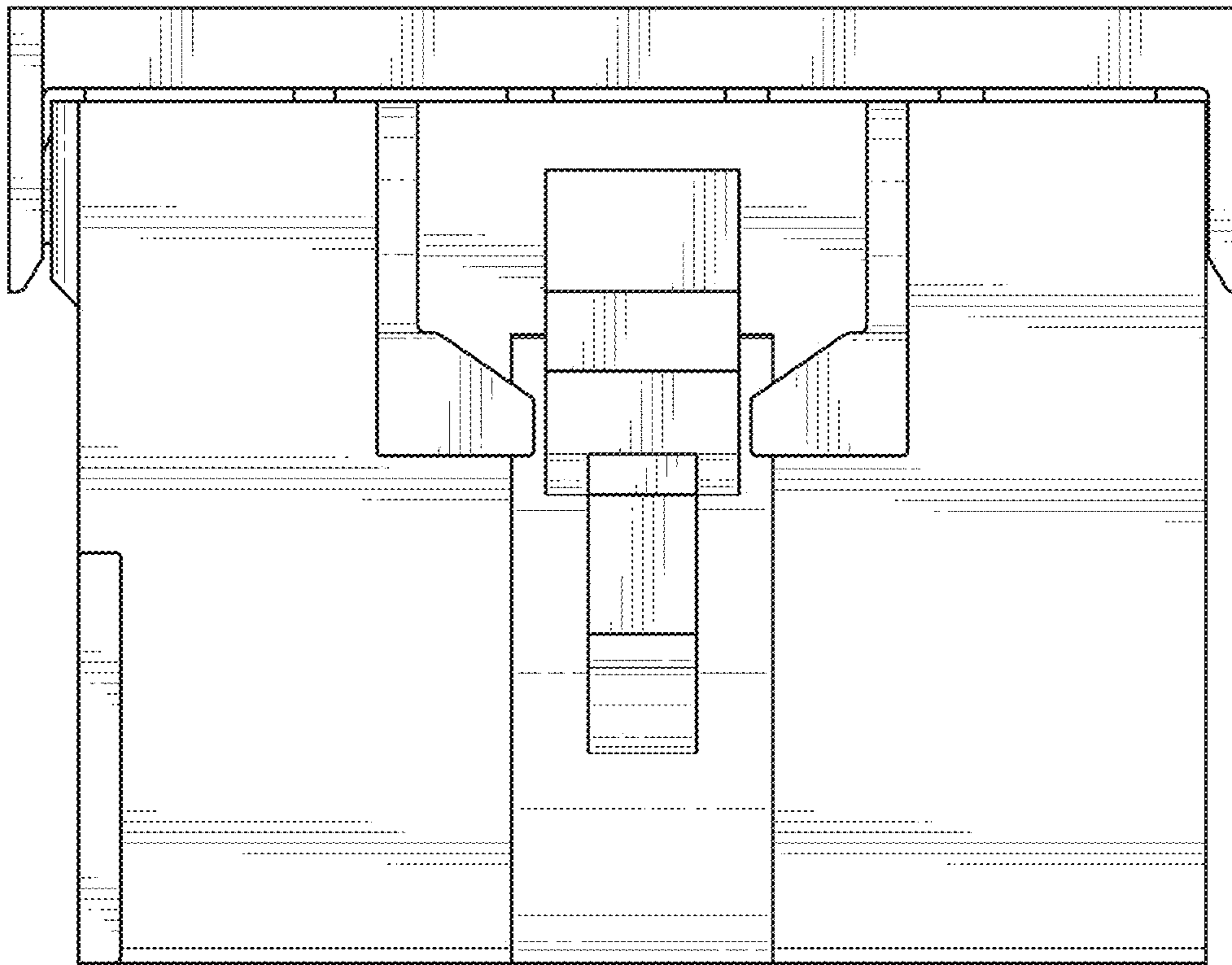


FIG. 62

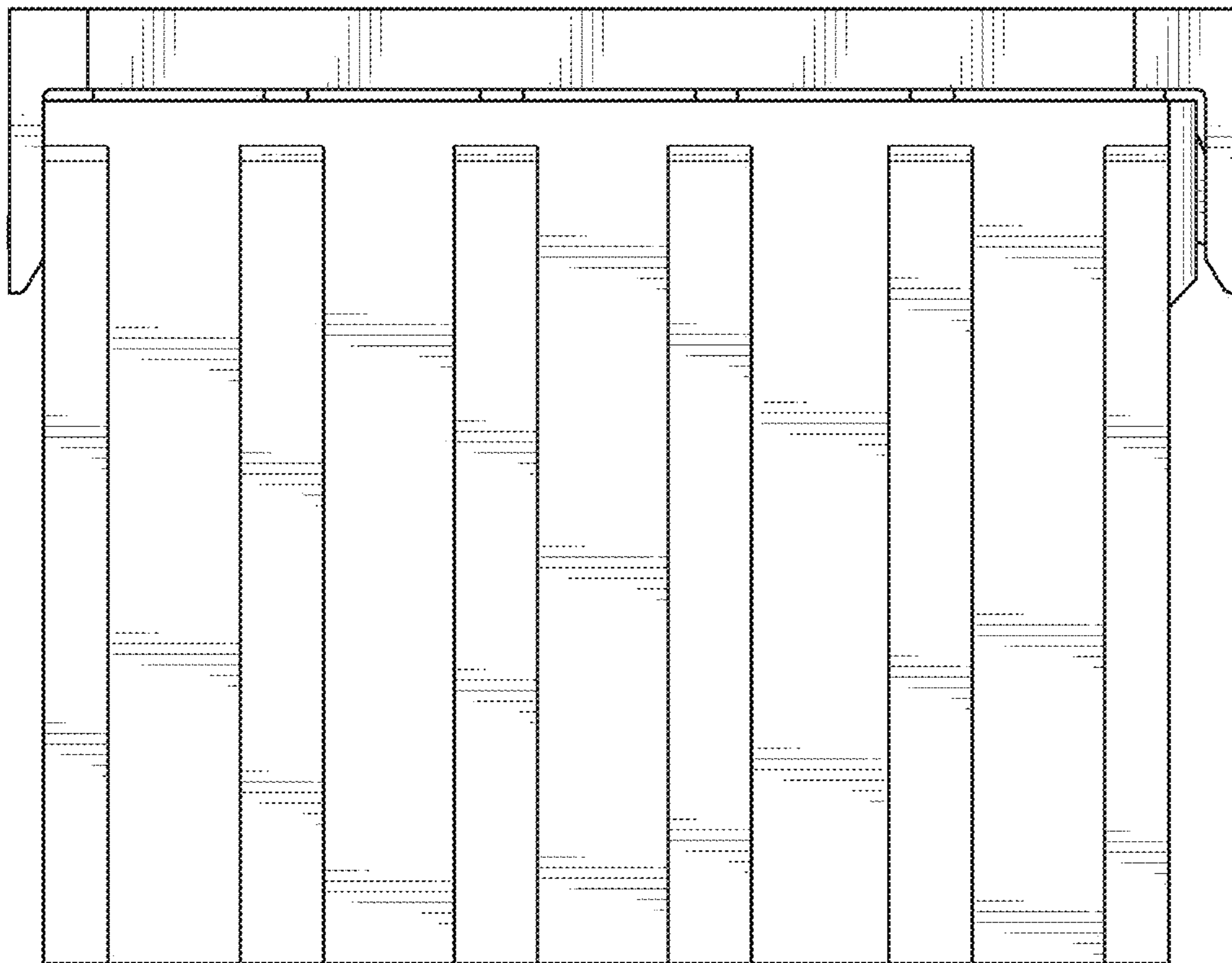


FIG. 63

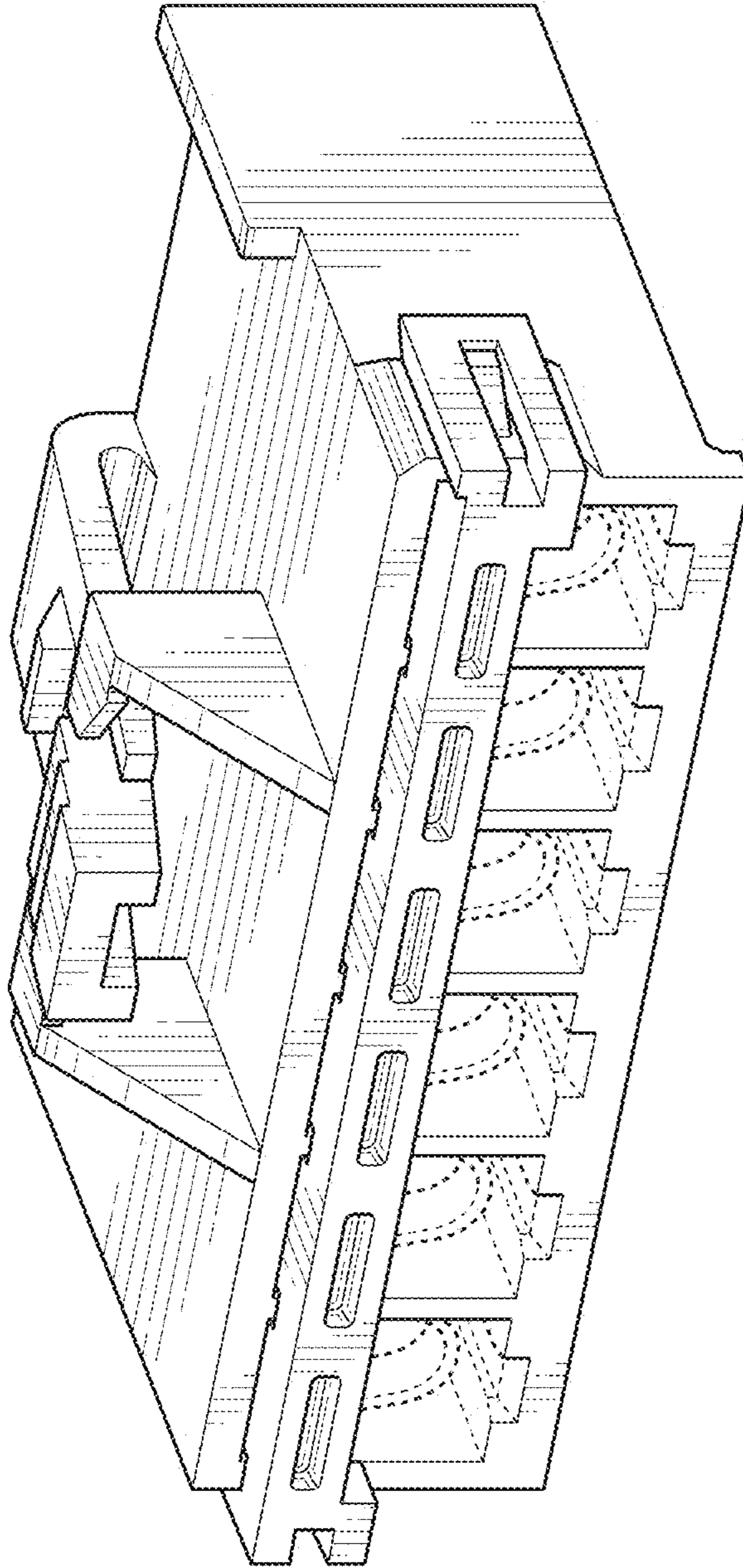


FIG. 64

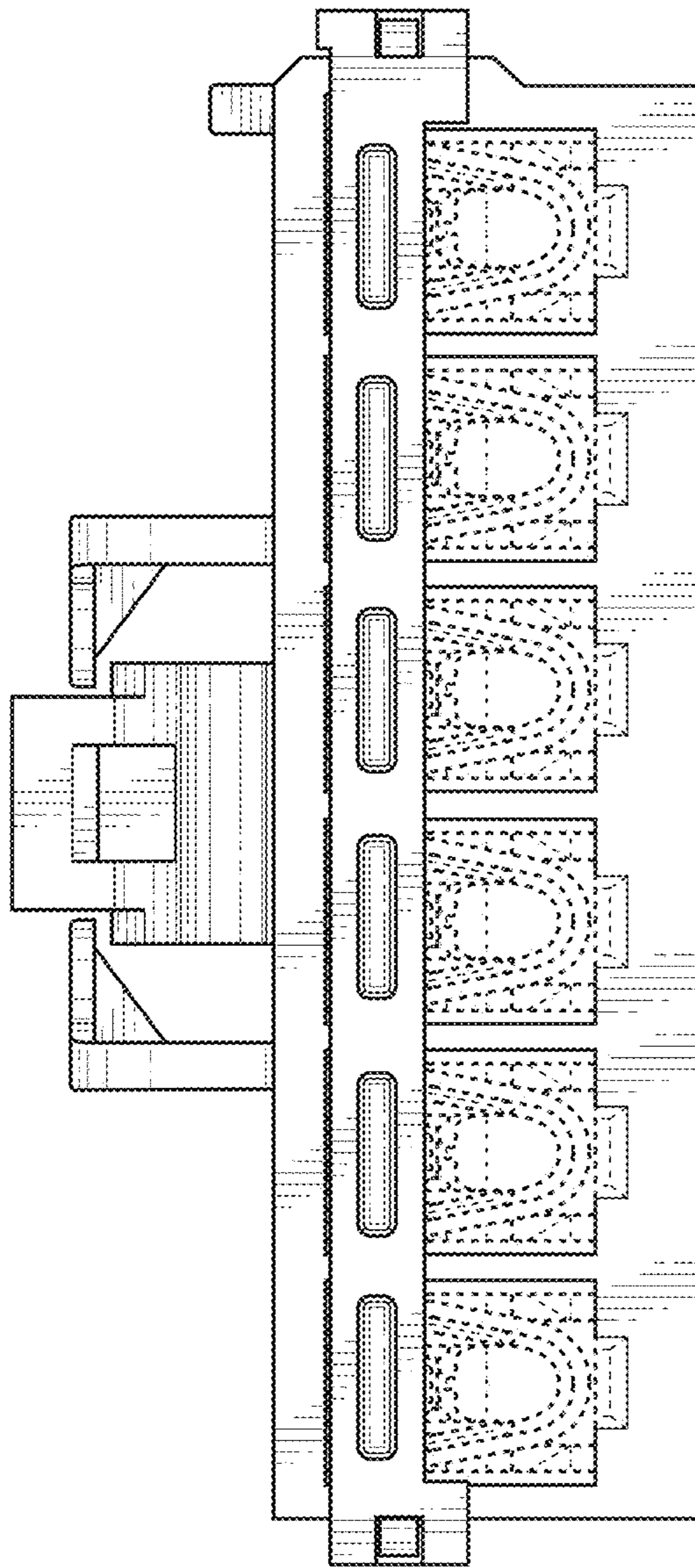


FIG. 65

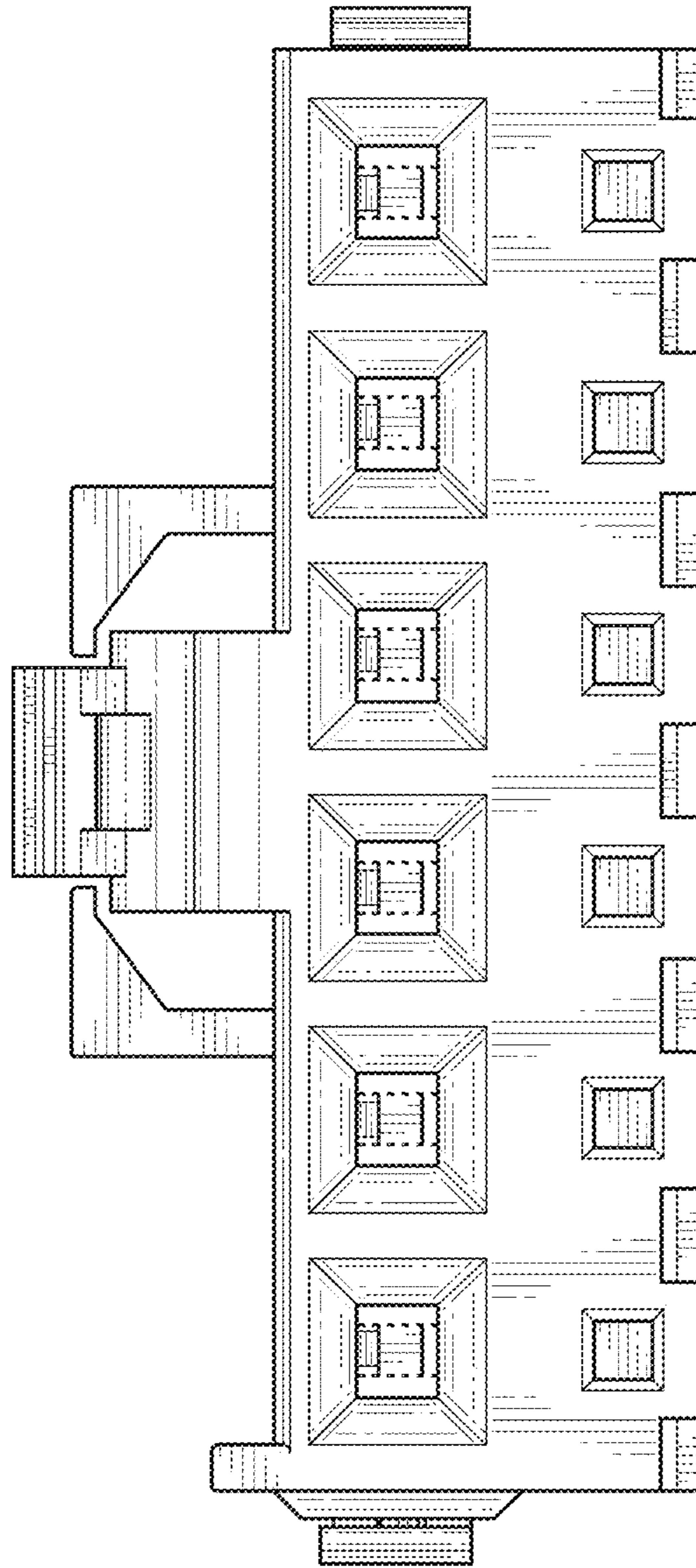


FIG. 66

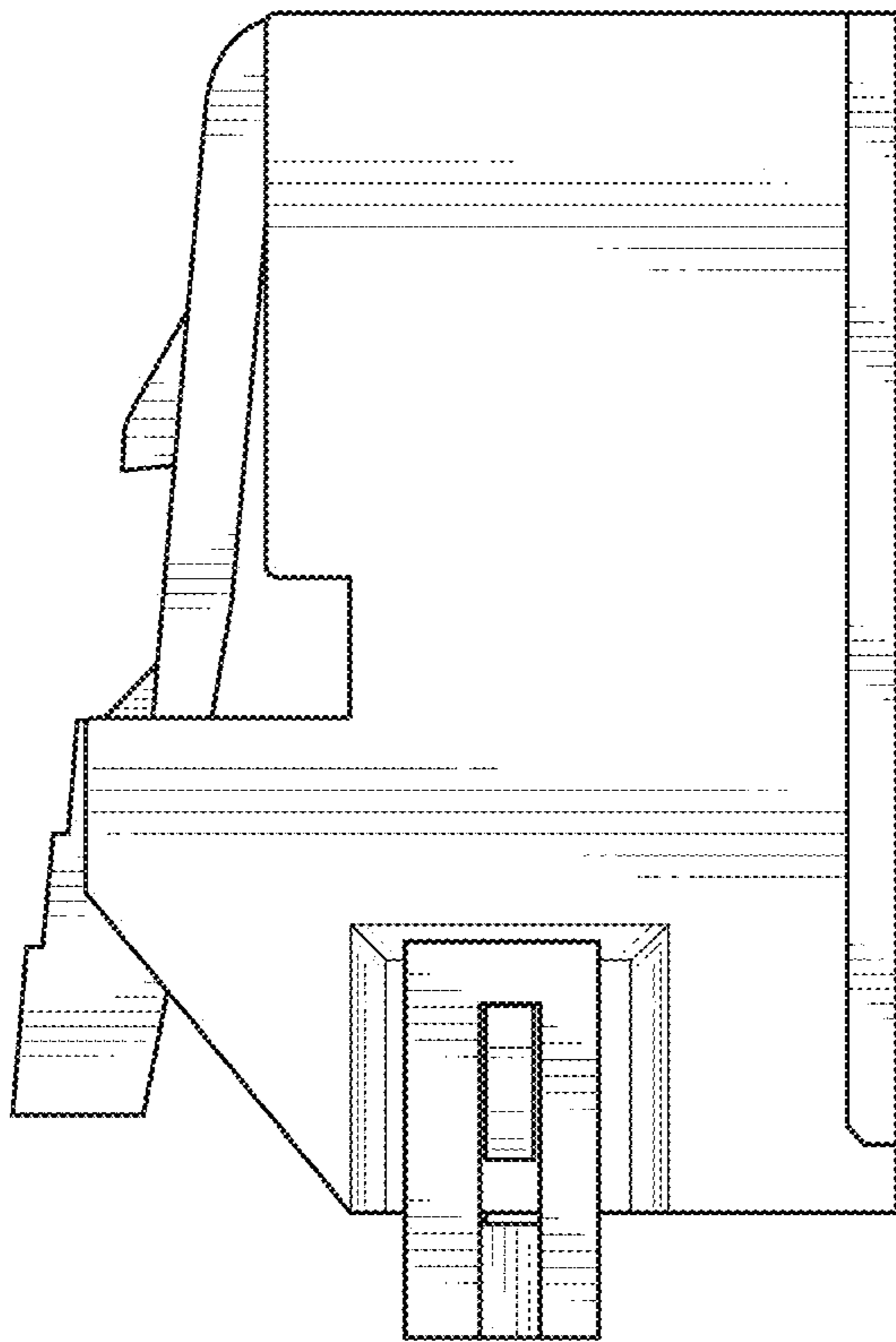


FIG. 67

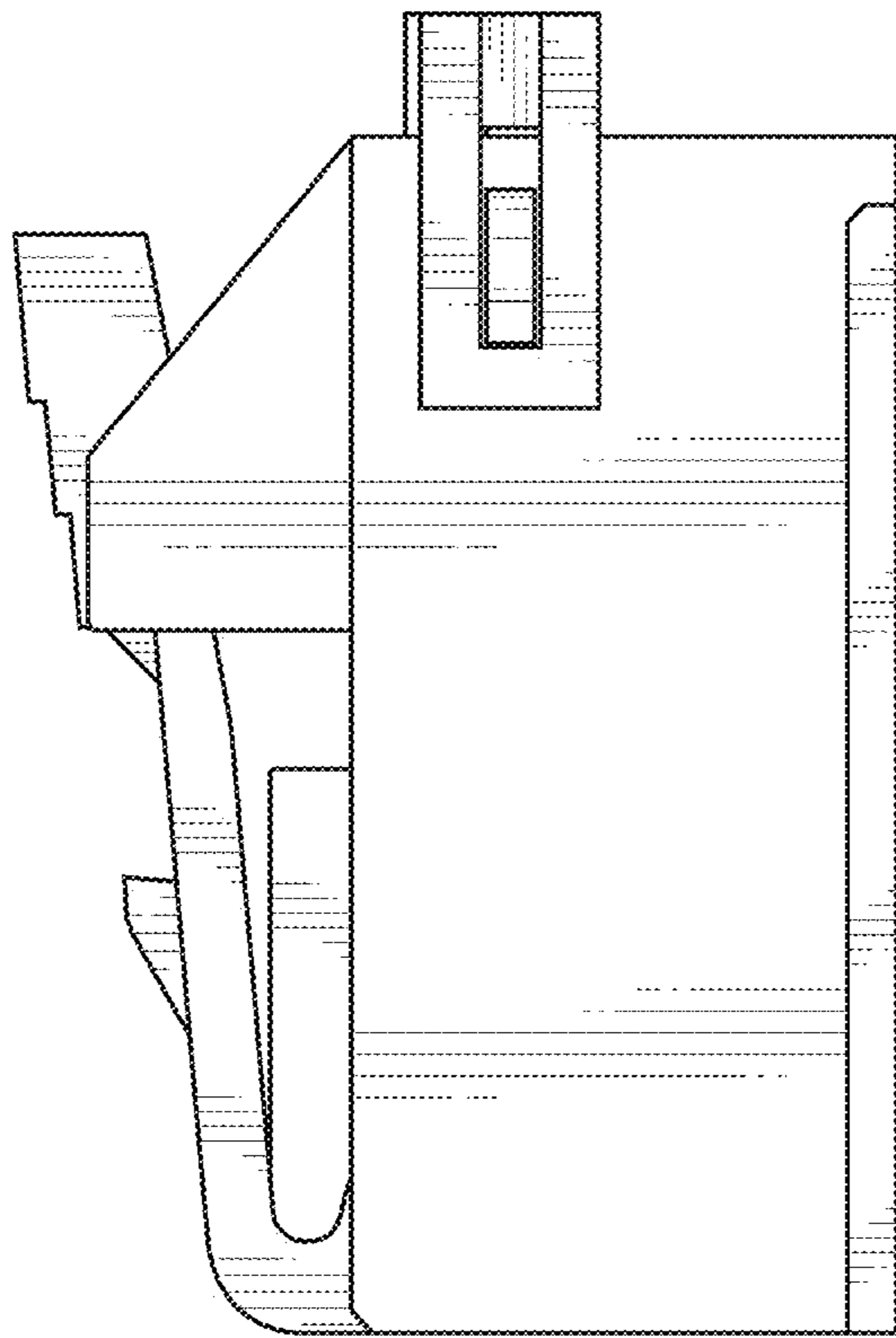


FIG. 68

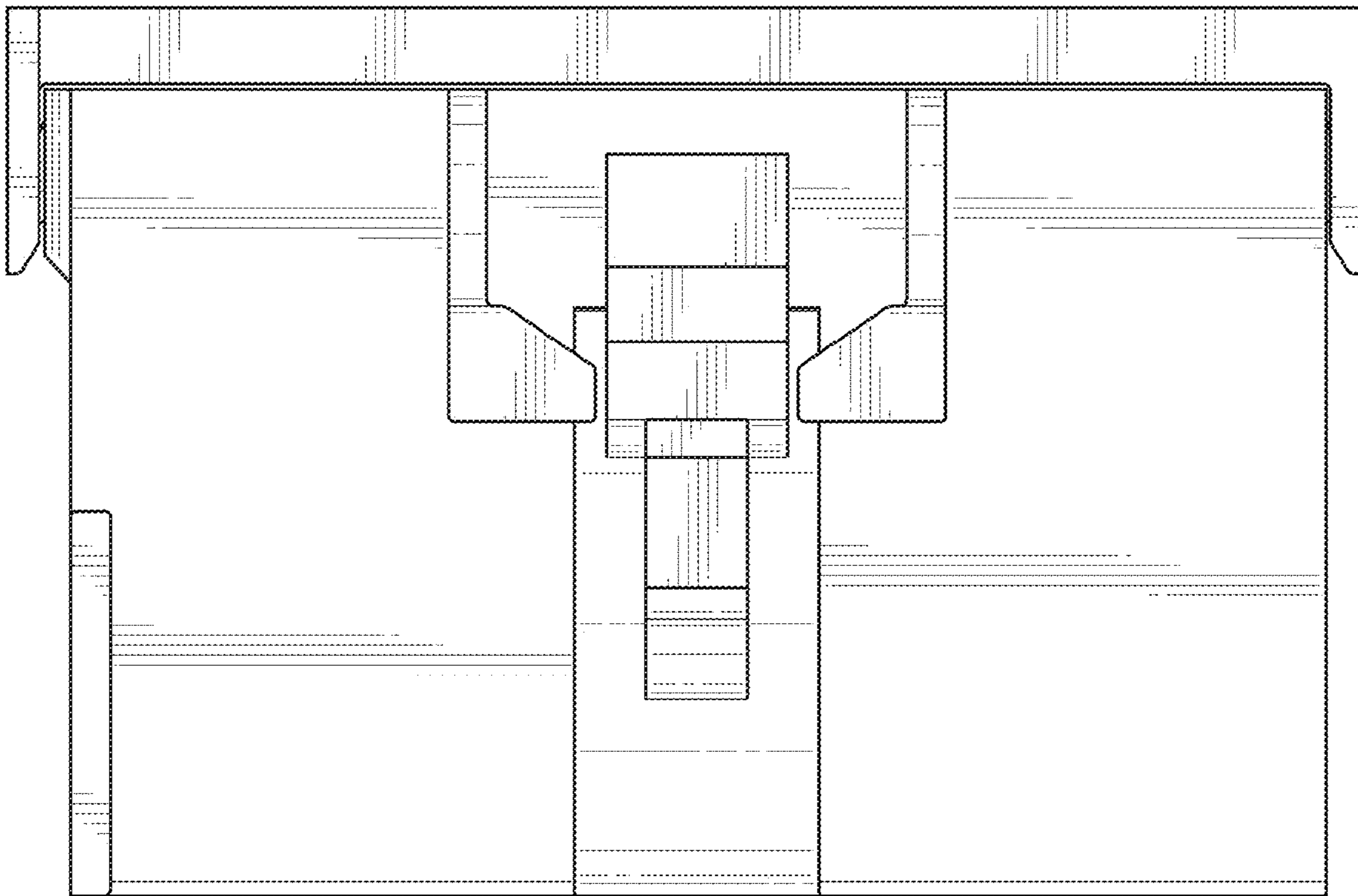


FIG. 69

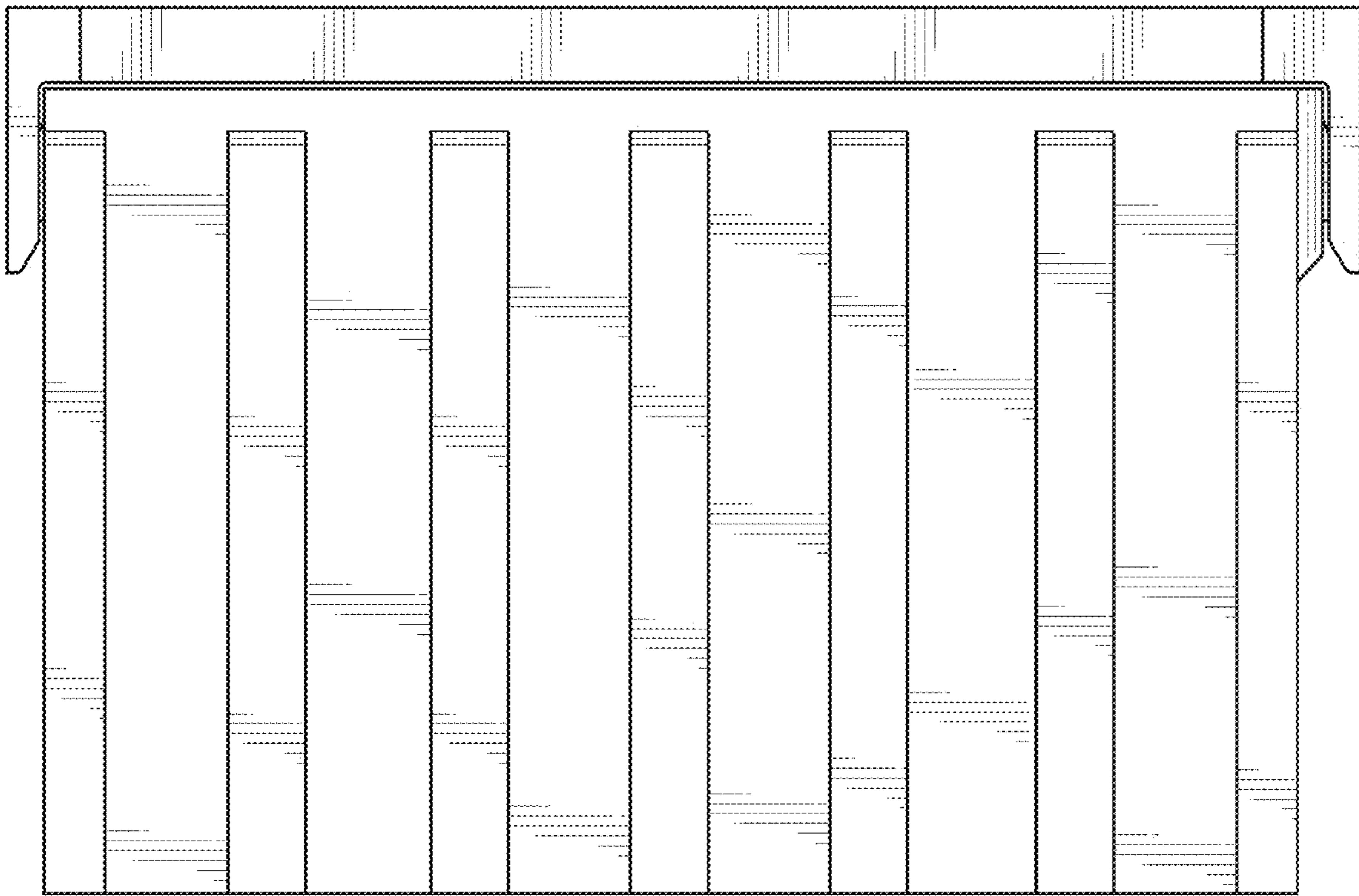


FIG. 70