



US00D938568S

(12) **United States Design Patent** (10) **Patent No.:** **US D938,568 S**  
**Hakozaki et al.** (45) **Date of Patent:** **\*\* Dec. 14, 2021**

(54) **BLOWER FAN**

(71) Applicant: **Nidec Corporation**, Kyoto (JP)

(72) Inventors: **Shogo Hakozaki**, Kyoto (JP); **Shoki Yamazaki**, Kyoto (JP); **Tsukasa Takaoka**, Kyoto (JP)

(73) Assignee: **NIDEC CORPORATION**, Kyoto (JP)

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

(21) Appl. No.: **29/661,283**

(22) Filed: **Aug. 27, 2018**

(30) **Foreign Application Priority Data**

Mar. 29, 2018 (JP) ..... 2018-006814  
Mar. 29, 2018 (JP) ..... 2018-006872

(Continued)

(51) **LOC (13) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/370; D23/380**

(58) **Field of Classification Search**  
USPC ..... D23/324–325, 332–336, 355, 366–369,  
D23/351–354, 370–386, 393, 411–414  
(Continued)

(56) **References Cited**

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(Continued)

*Primary Examiner* — Sharon S Oum

(74) *Attorney, Agent, or Firm* — JCIPRNET

(57) **CLAIM**

The ornamental design for a blower fan, as shown.

**DESCRIPTION**

FIG. 1 is a front view of a blower fan showing a first embodiment of our new design;

FIG. 2 is a rear view thereof;  
FIG. 3 is a left side view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top view thereof;  
FIG. 6 is a bottom view thereof; and,  
FIG. 7 is a perspective view thereof.  
FIG. 8 is a front view of a blower fan showing a second embodiment of our new design;  
FIG. 9 is a rear view thereof;  
FIG. 10 is a left side view thereof;  
FIG. 11 is a right side view thereof;  
FIG. 12 is a top view thereof;  
FIG. 13 is a bottom view thereof; and  
FIG. 14 is a perspective view thereof;  
FIG. 15 is a front view of a blower fan showing a third embodiment of our new design;  
FIG. 16 is a rear view thereof;  
FIG. 17 is a left side view thereof;  
FIG. 18 is a right side view thereof;  
FIG. 19 is a top view thereof;  
FIG. 20 is a bottom view thereof; and  
FIG. 21 is a perspective view thereof;  
FIG. 22 is a front view of a blower fan showing a fourth embodiment of our new design;  
FIG. 23 is a rear view thereof;  
FIG. 24 is a left side view thereof;  
FIG. 25 is a right side view thereof;  
FIG. 26 is a top view thereof;  
FIG. 27 is a bottom view thereof; and  
FIG. 28 is a perspective view thereof;  
FIG. 29 is a front view of a blower fan showing a fifth embodiment of our new design;  
FIG. 30 is a rear view thereof;  
FIG. 31 is a left side view thereof;  
FIG. 32 is a right side view thereof;  
FIG. 33 is a top view thereof;  
FIG. 34 is a bottom view thereof; and  
FIG. 35 is a perspective view thereof;  
FIG. 36 is a front view of a blower fan showing a sixth embodiment of our new design;  
FIG. 37 is a rear view thereof;  
FIG. 38 is a left side view thereof;  
FIG. 39 is a right side view thereof;  
FIG. 40 is a top view thereof;

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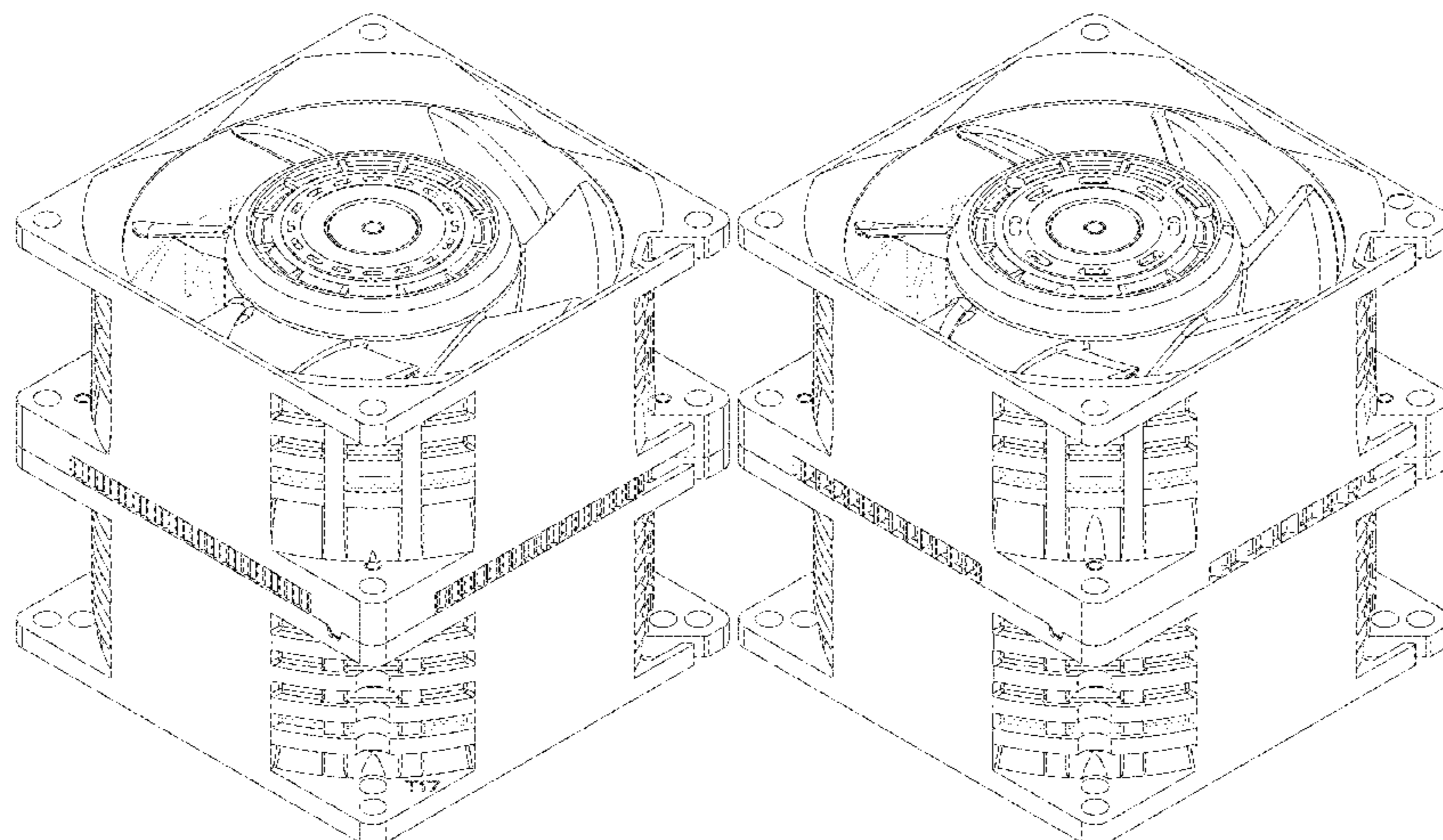


FIG. 41 is a bottom view thereof; and  
 FIG. 42 is a perspective view thereof;  
 FIG. 43 is a front view of a blower fan showing a seventh  
 embodiment of our new design;  
 FIG. 44 is a rear view thereof;  
 FIG. 45 is a left side view thereof;  
 FIG. 46 is a right side view thereof;  
 FIG. 47 is a top view thereof;  
 FIG. 48 is a bottom view thereof; and,  
 FIG. 49 is a perspective view thereof.  
 The portions of the blower fan shown in broken lines form  
 no part of the claimed design.

**1 Claim, 28 Drawing Sheets**

(30) **Foreign Application Priority Data**

Mar. 29, 2018 (JP) ..... 2018-006873  
 Mar. 29, 2018 (JP) ..... 2018-006874  
 Mar. 29, 2018 (JP) ..... 2018-006875  
 Mar. 29, 2018 (JP) ..... 2018-006876  
 Mar. 29, 2018 (JP) ..... 2018-006877  
 Mar. 29, 2018 (JP) ..... 2018-006878

(58) **Field of Classification Search**

CPC ..... F04D 29/545; F04D 29/661; F04D 5/00;  
 F04D 27/00; F04D 29/329; F04D  
 25/0693; F04D 19/002; F04D 29/646;  
 F04D 29/522; F04D 29/667; F04D  
 19/007

See application file for complete search history.

(56)

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2019/0199155	A1 *	6/2019	Takaoka	.....	H02K 21/22

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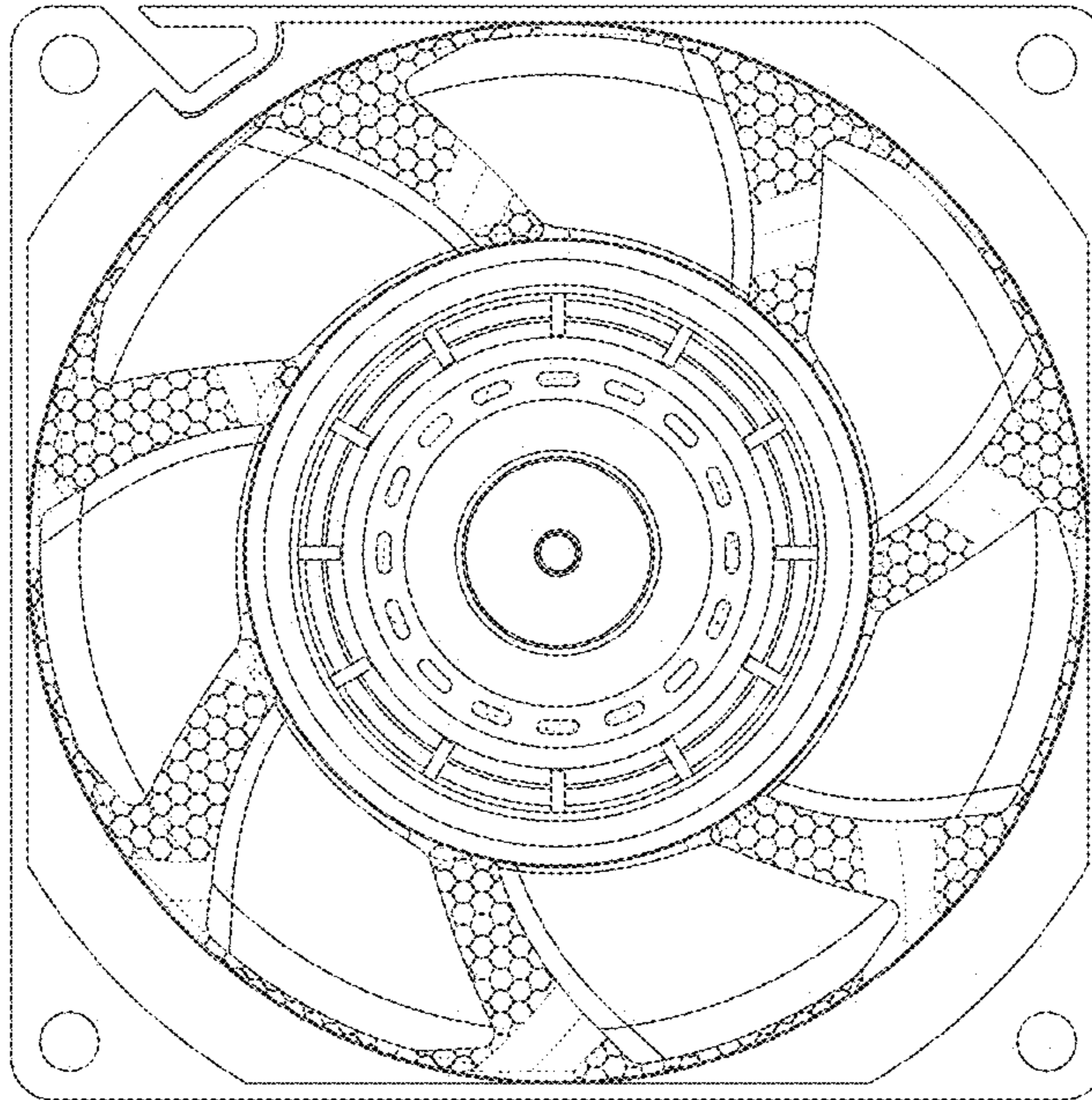


FIG. 1

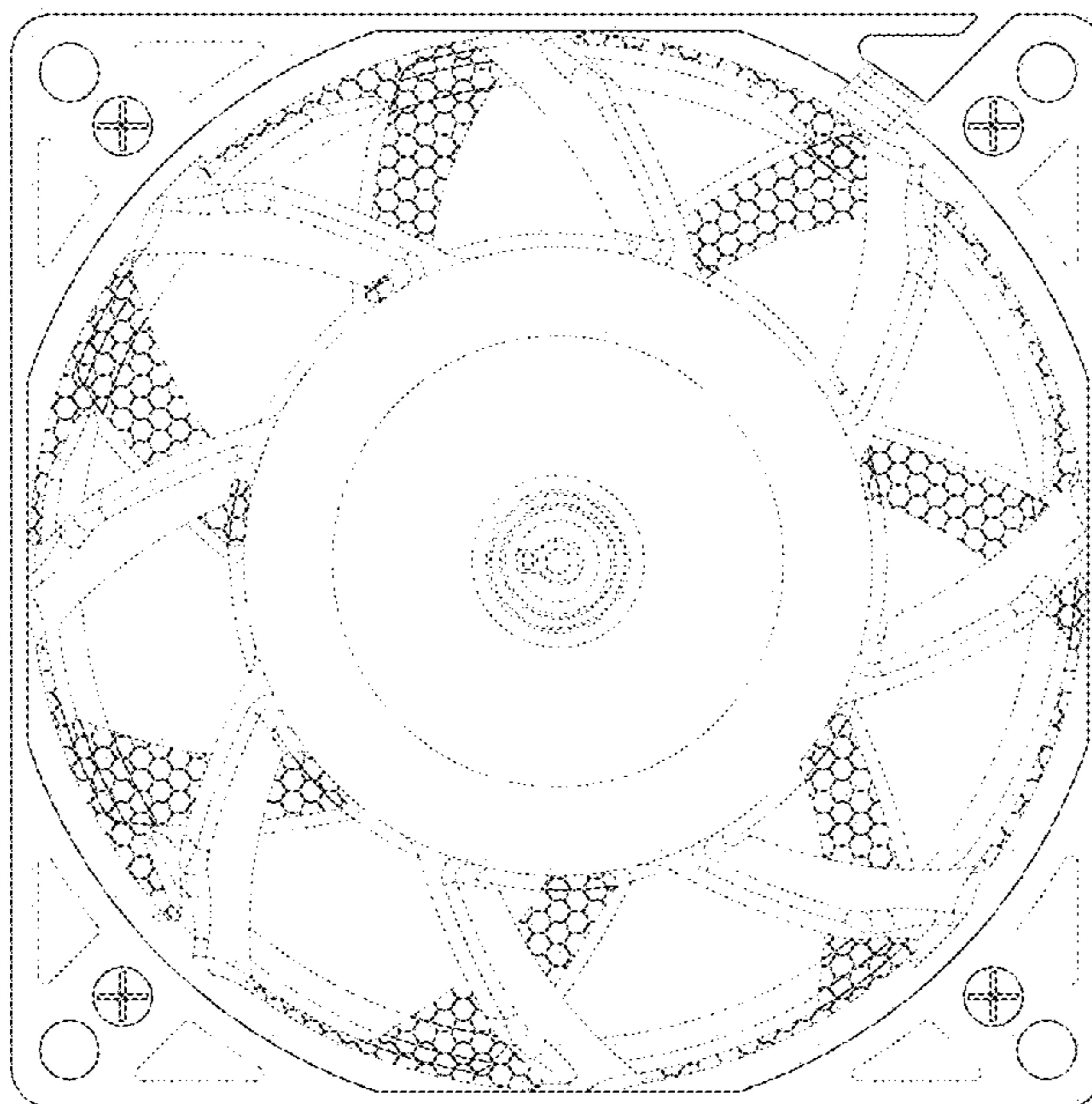


FIG. 2

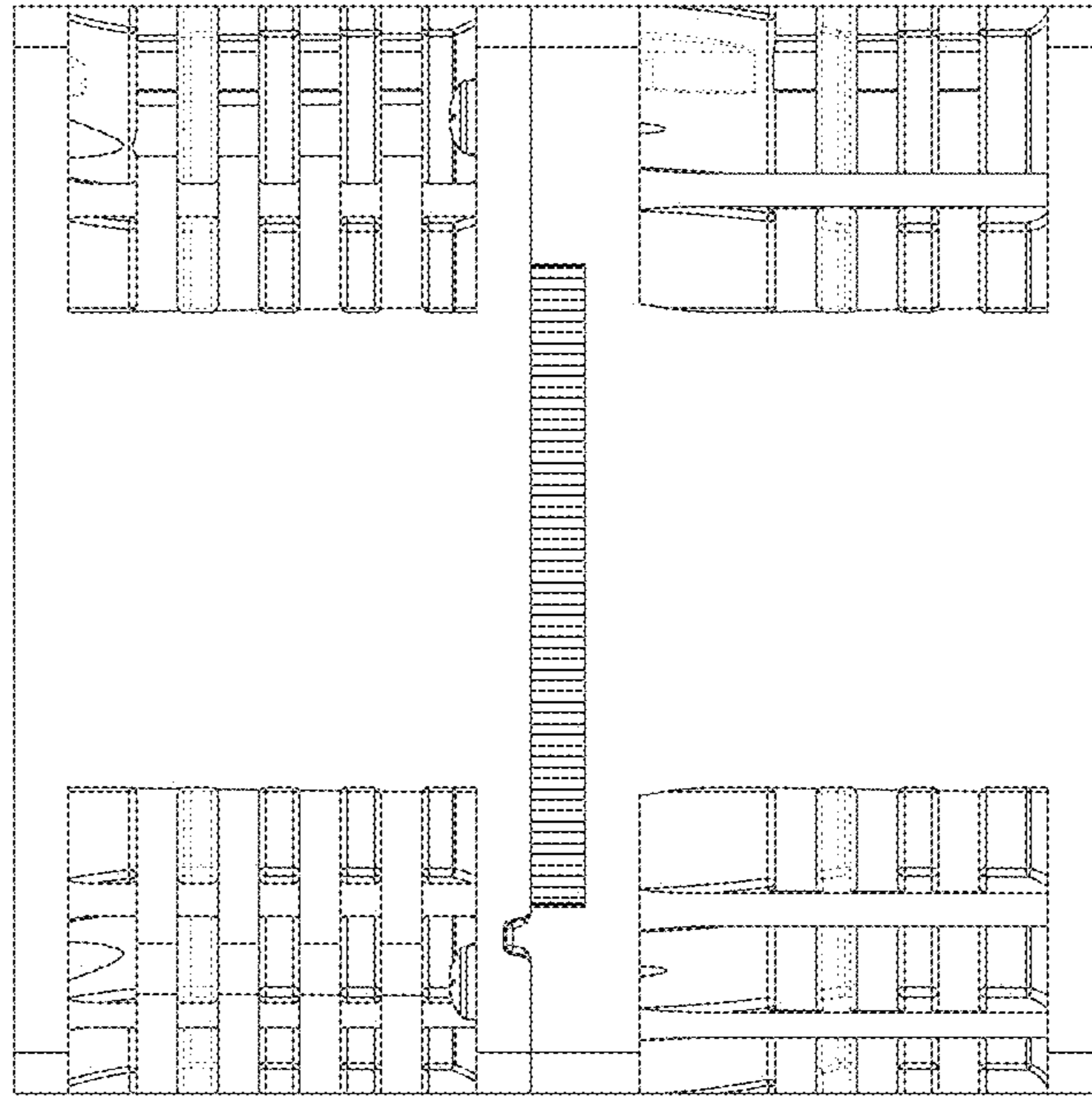


FIG. 3

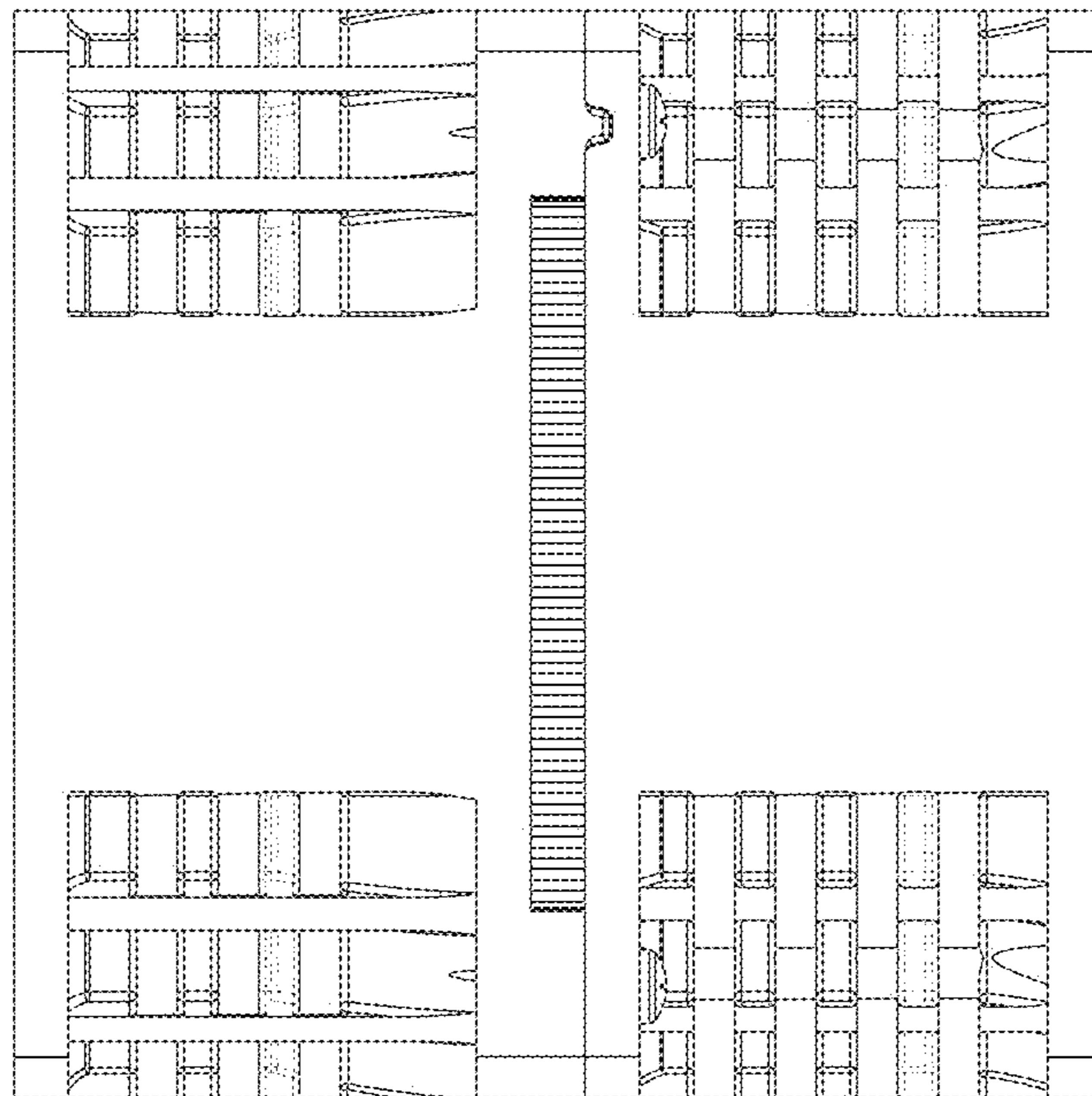


FIG. 4

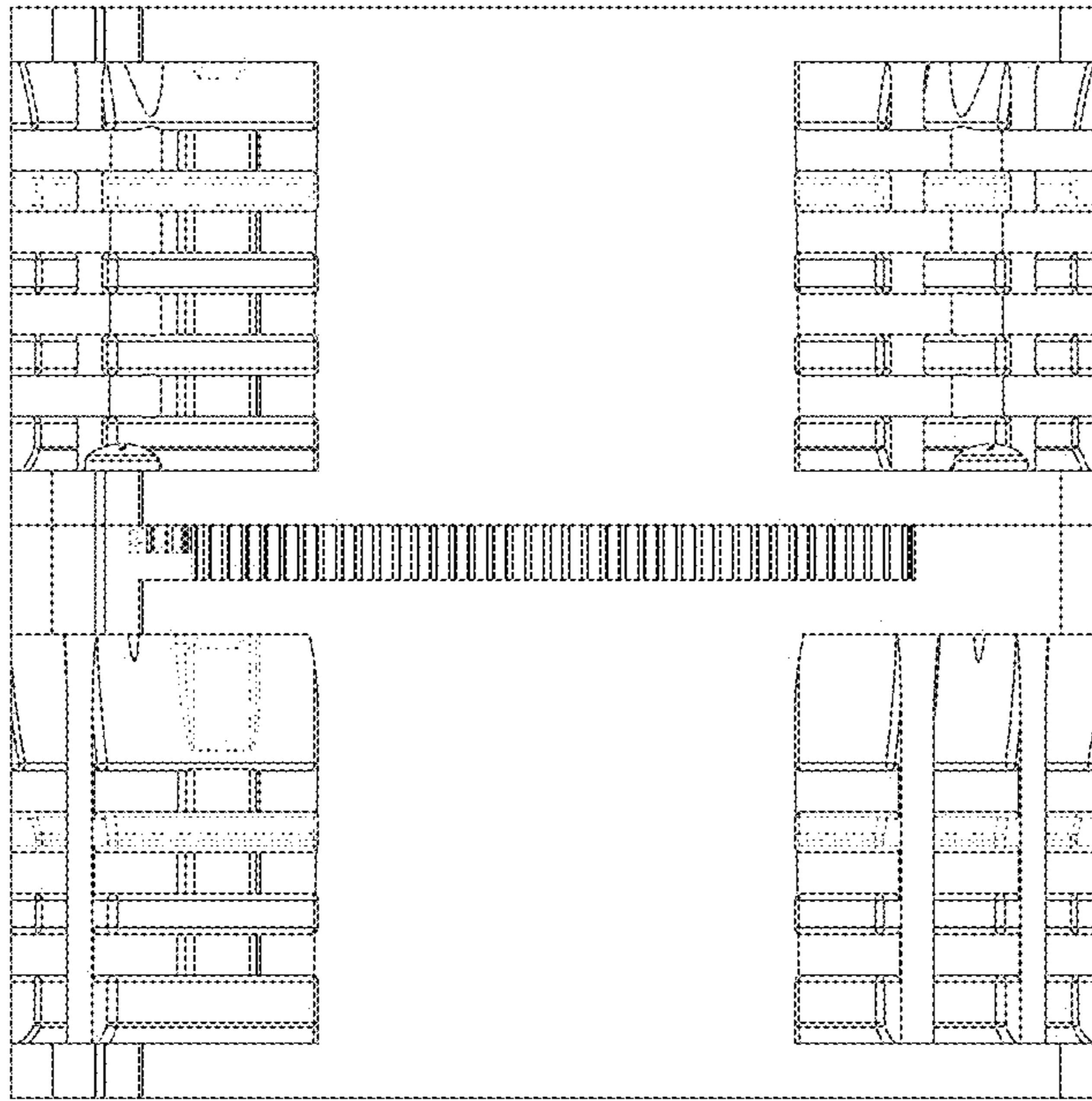


FIG. 5

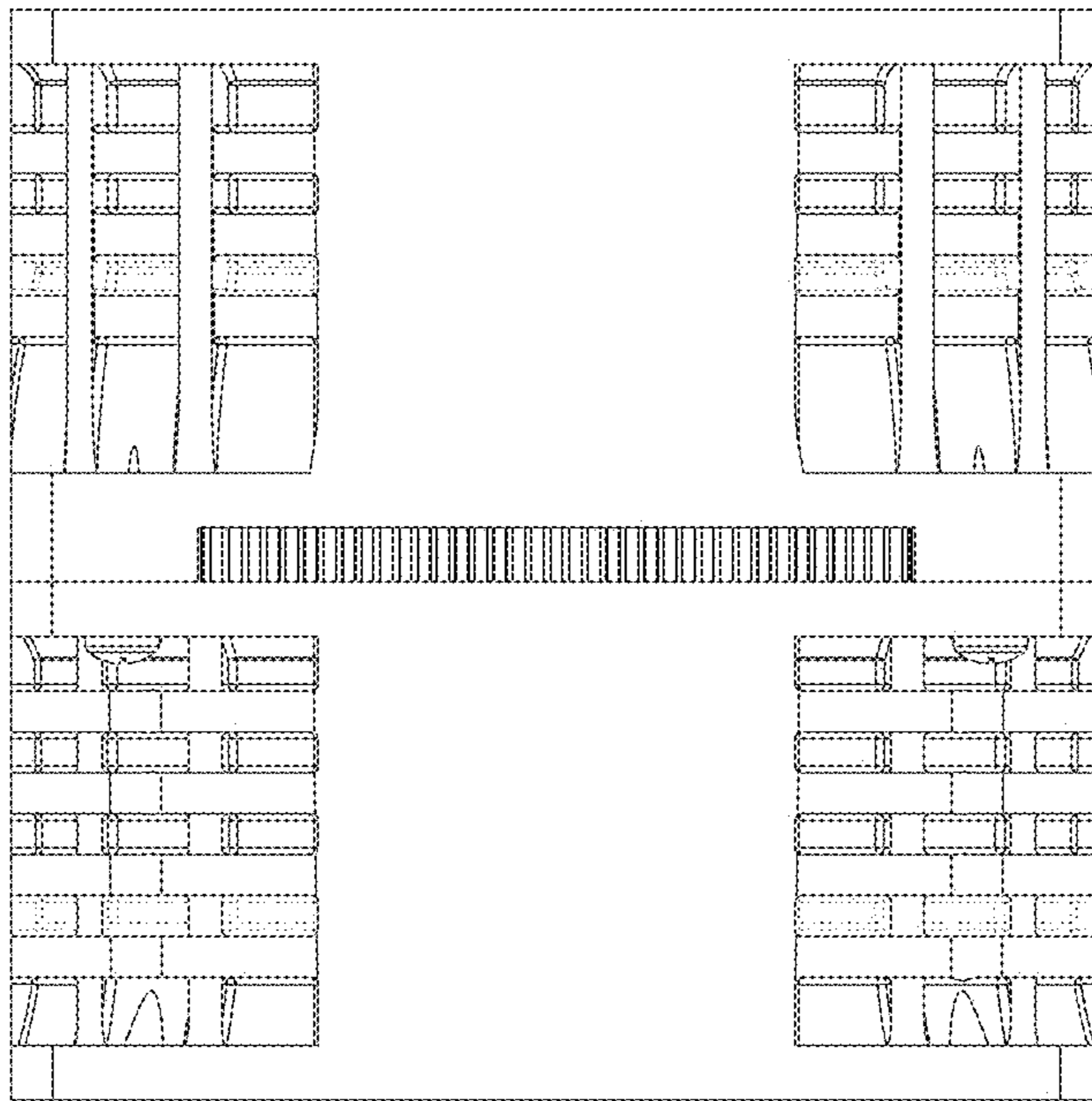


FIG. 6

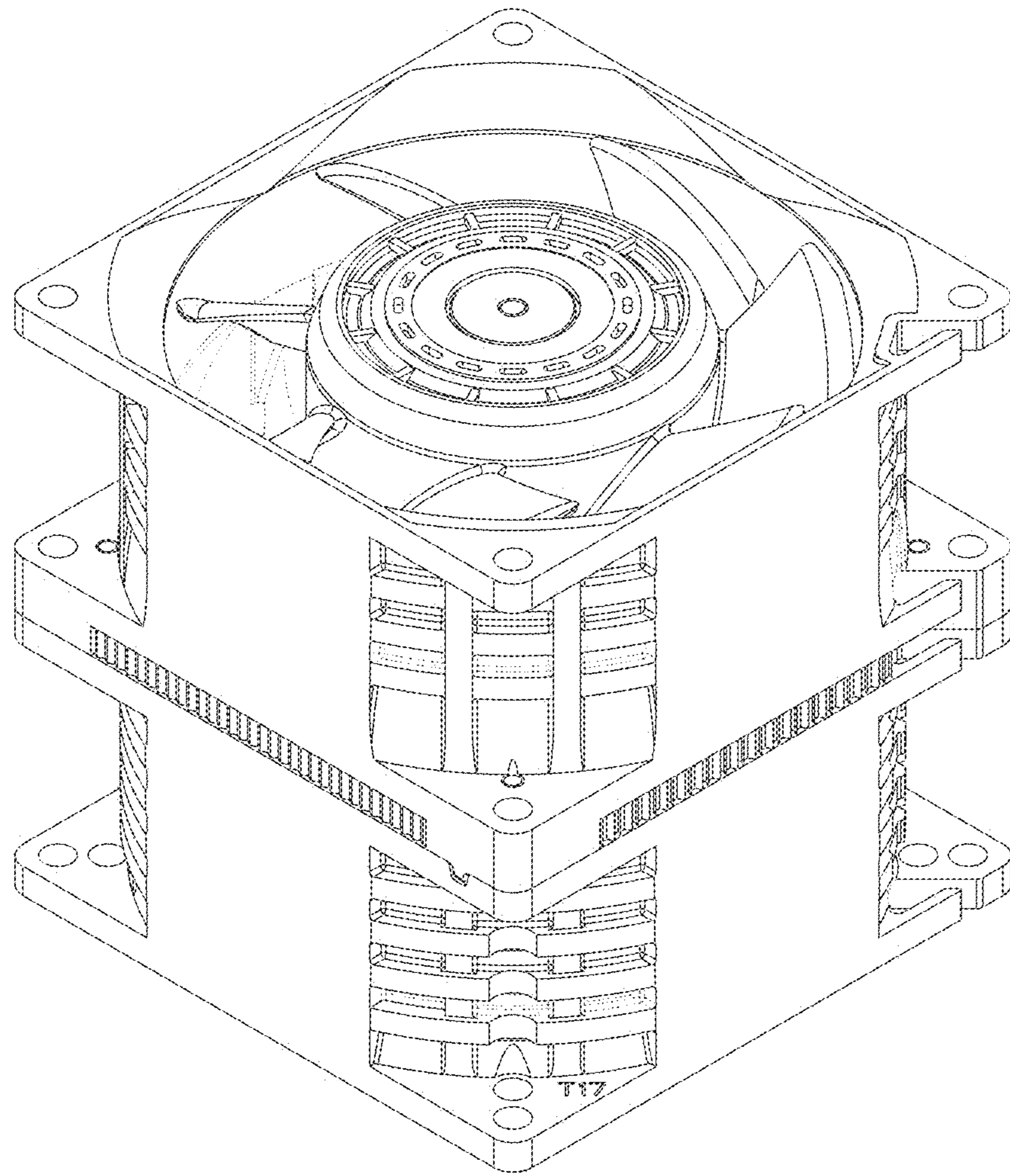


FIG. 7

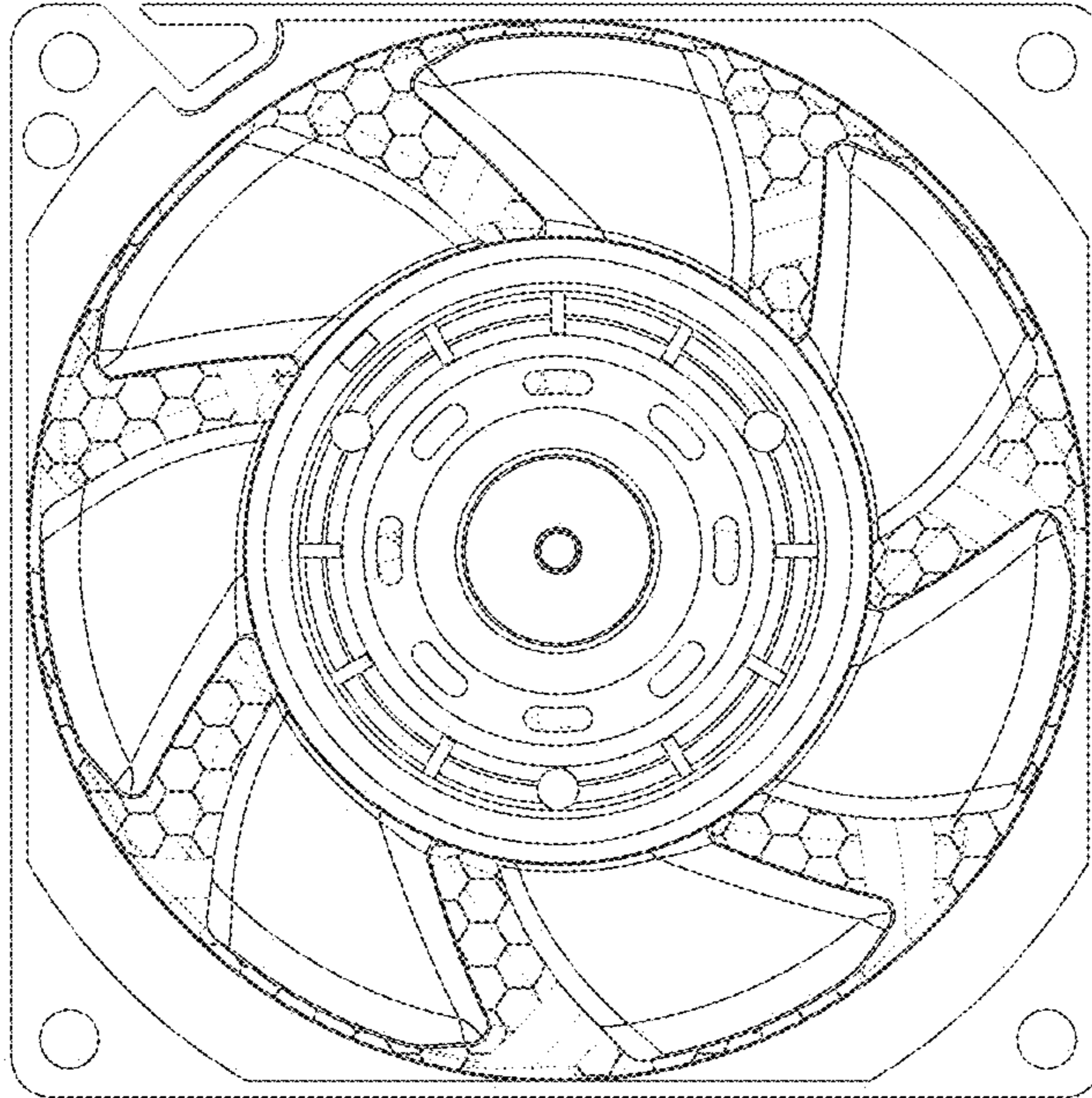


FIG. 8

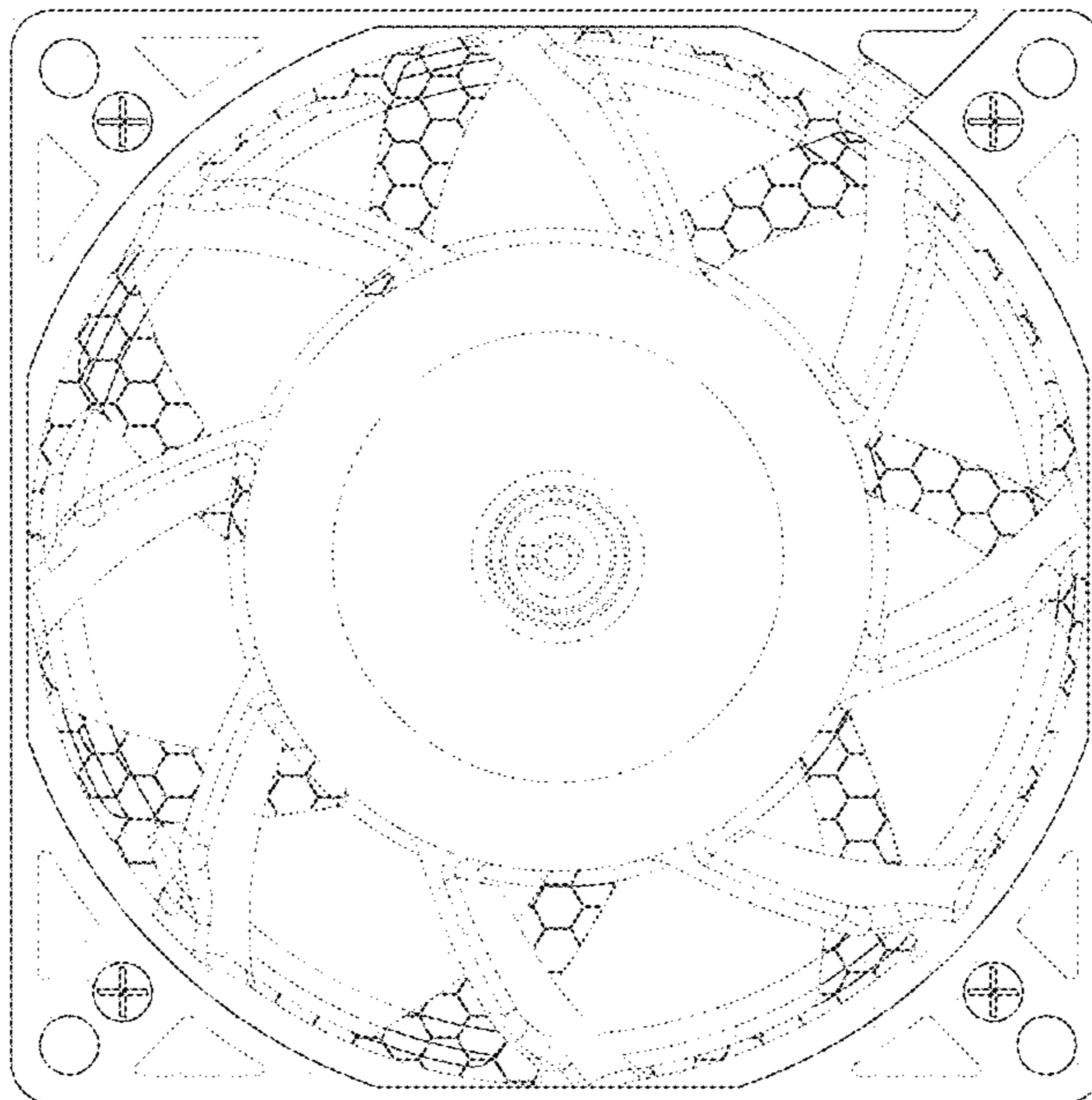


FIG. 9

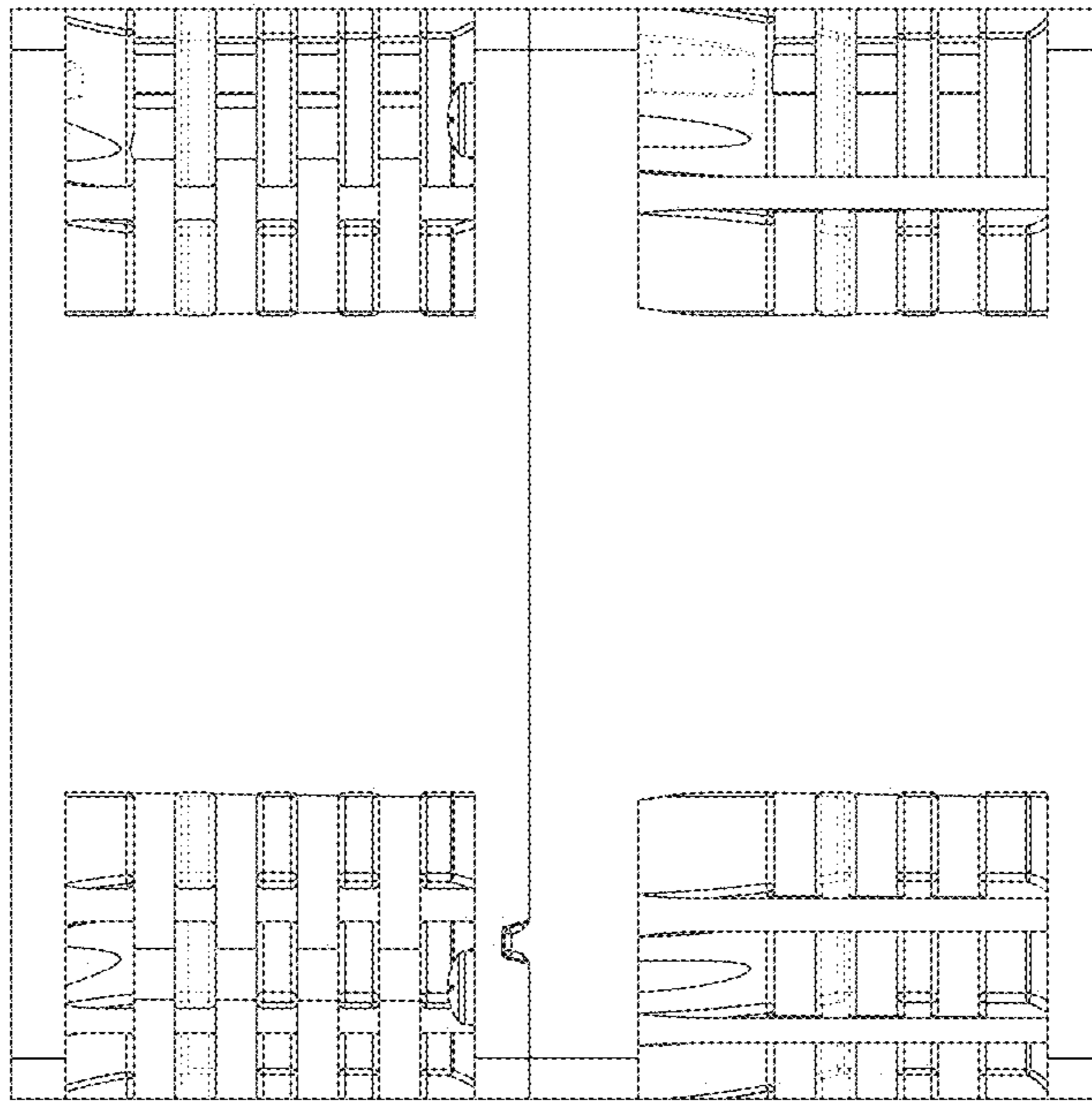


FIG. 10

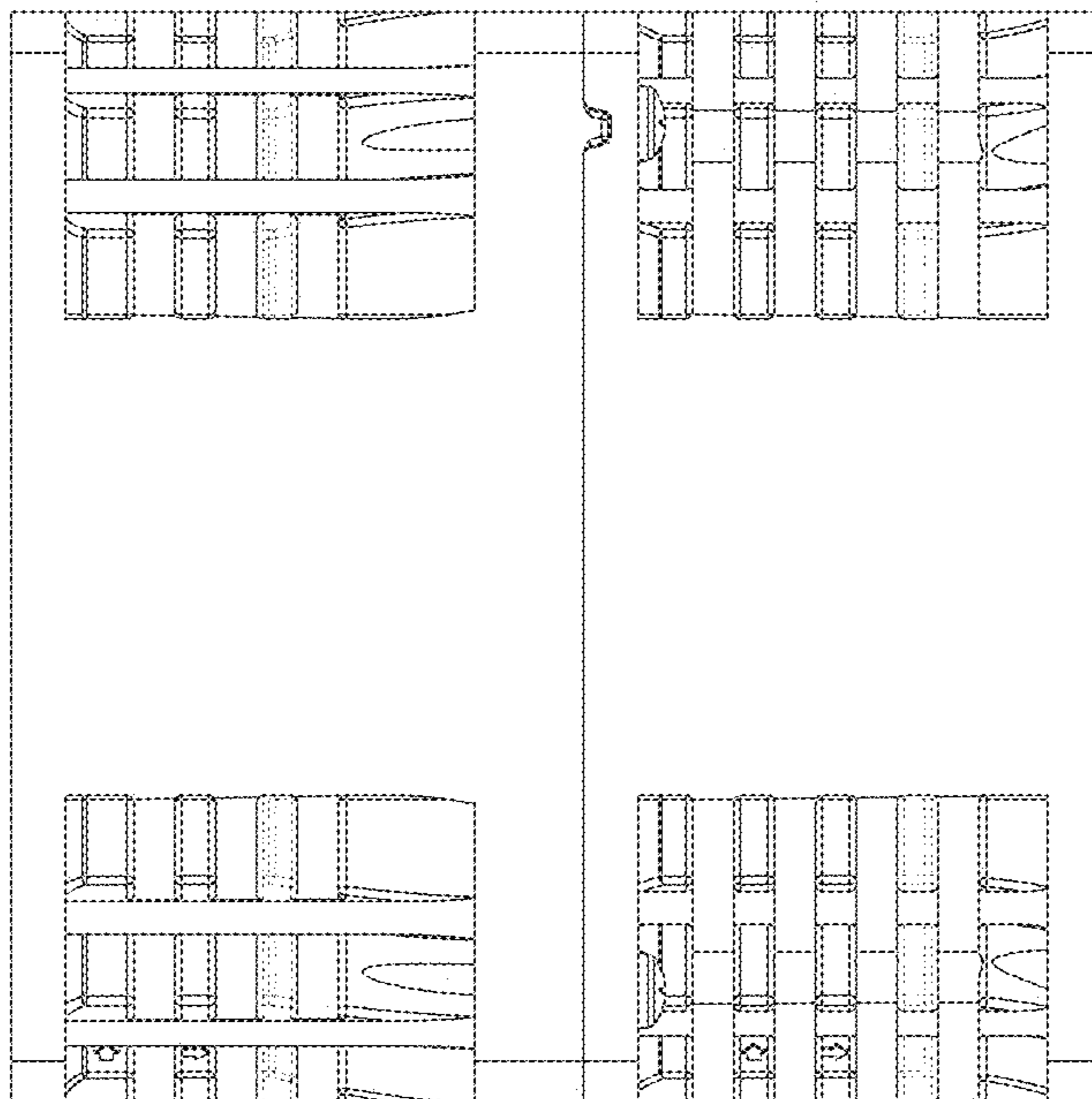


FIG. 11



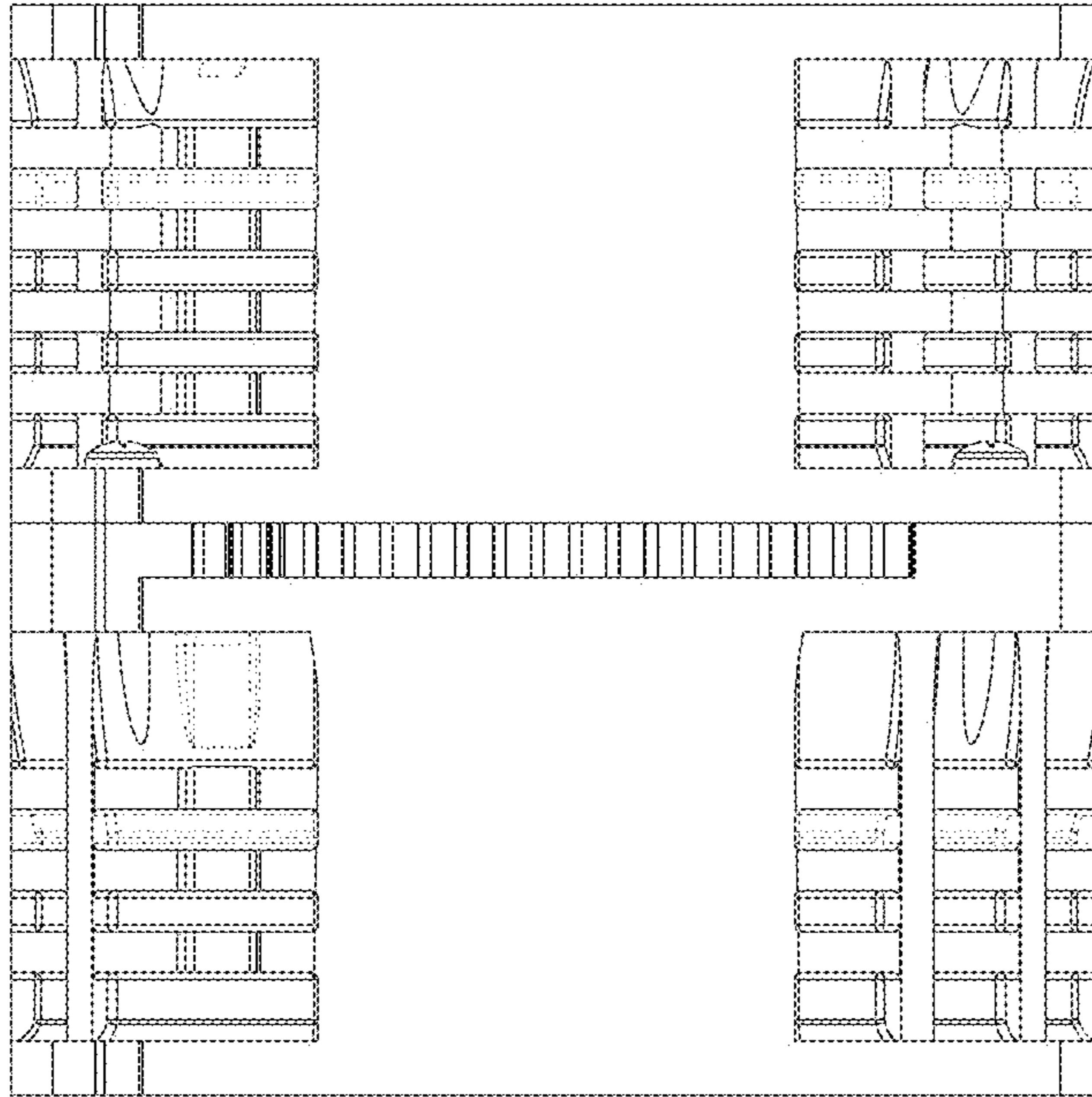


FIG. 12

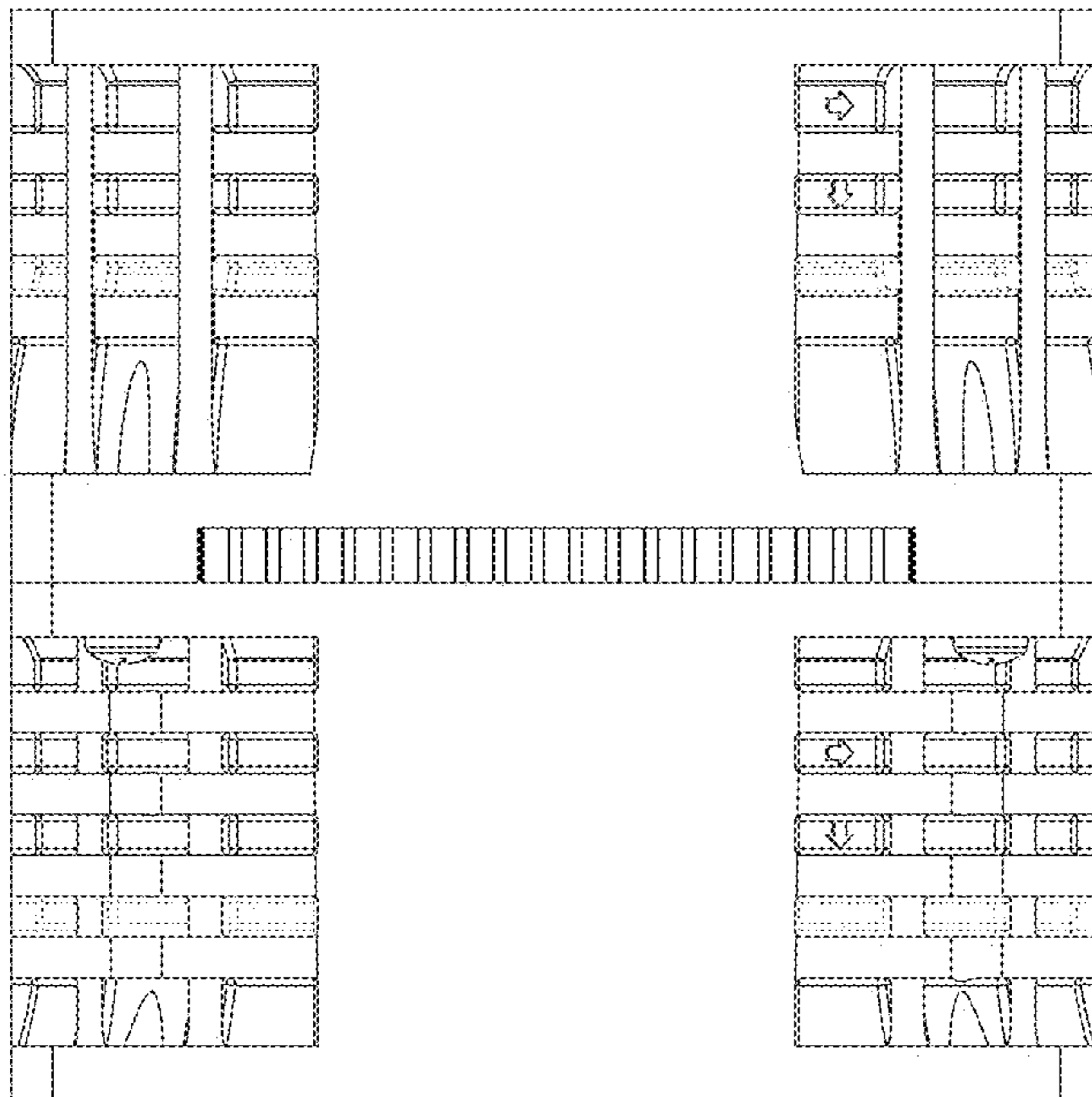


FIG. 13

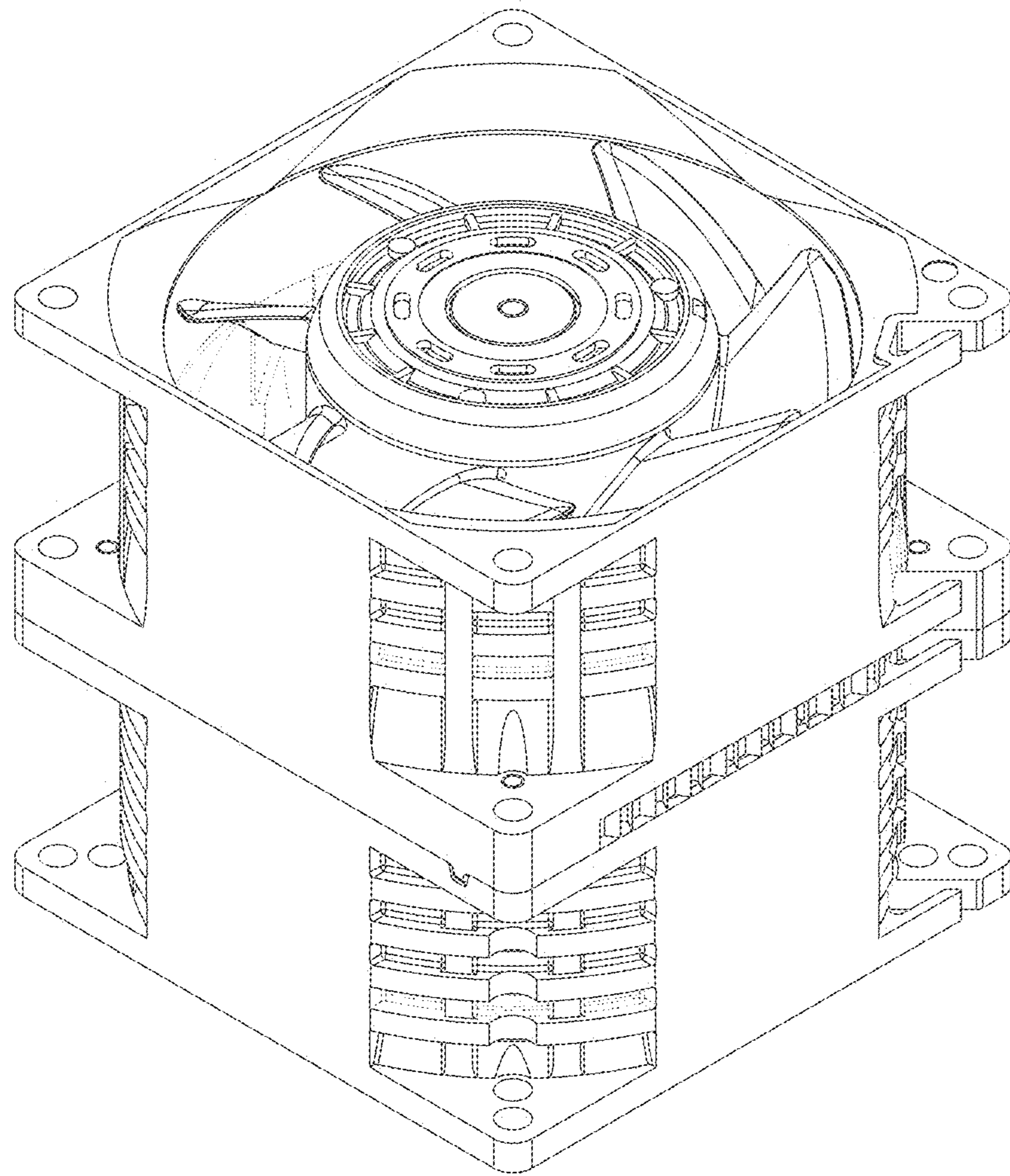


FIG. 14

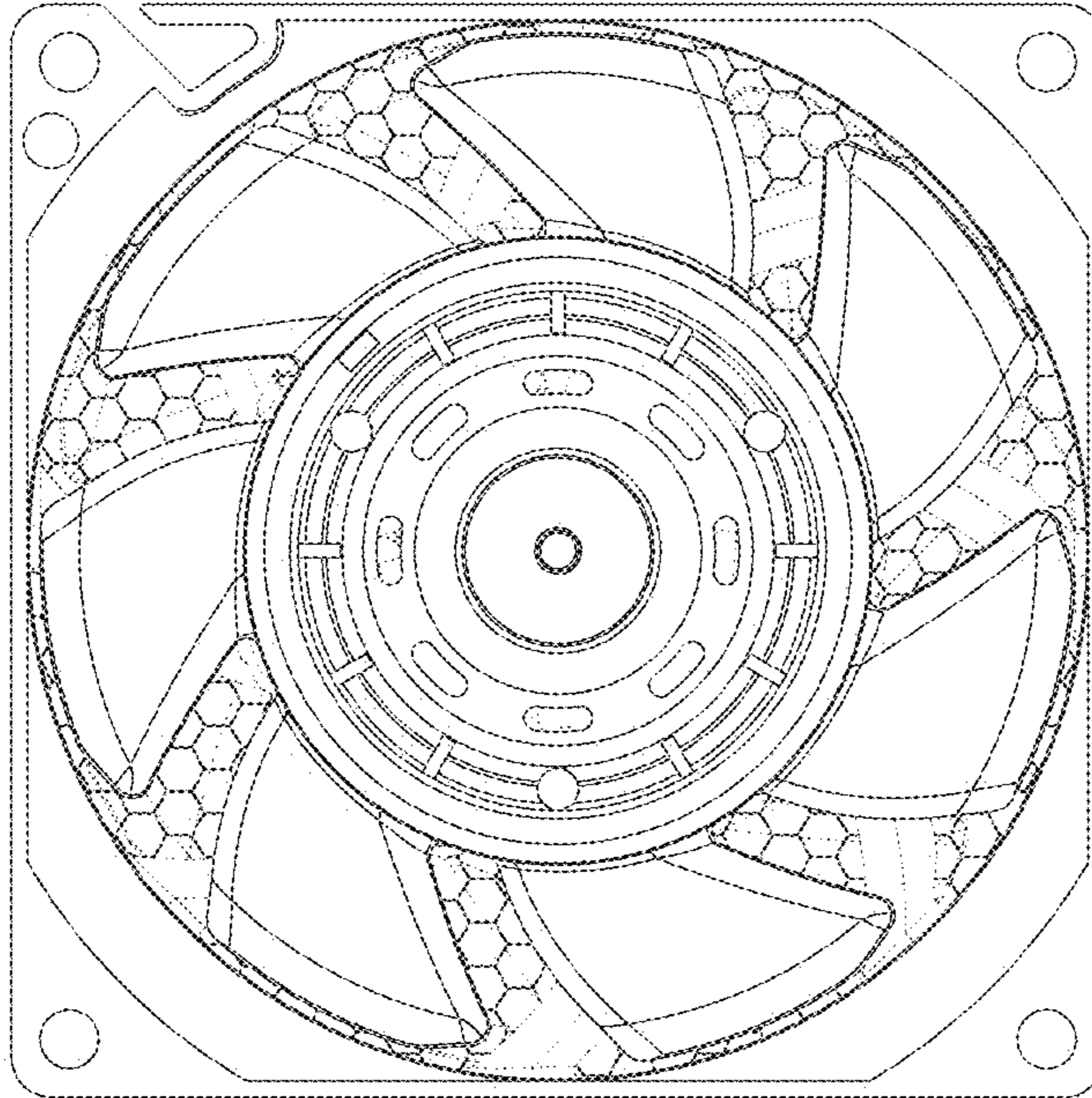


FIG. 15

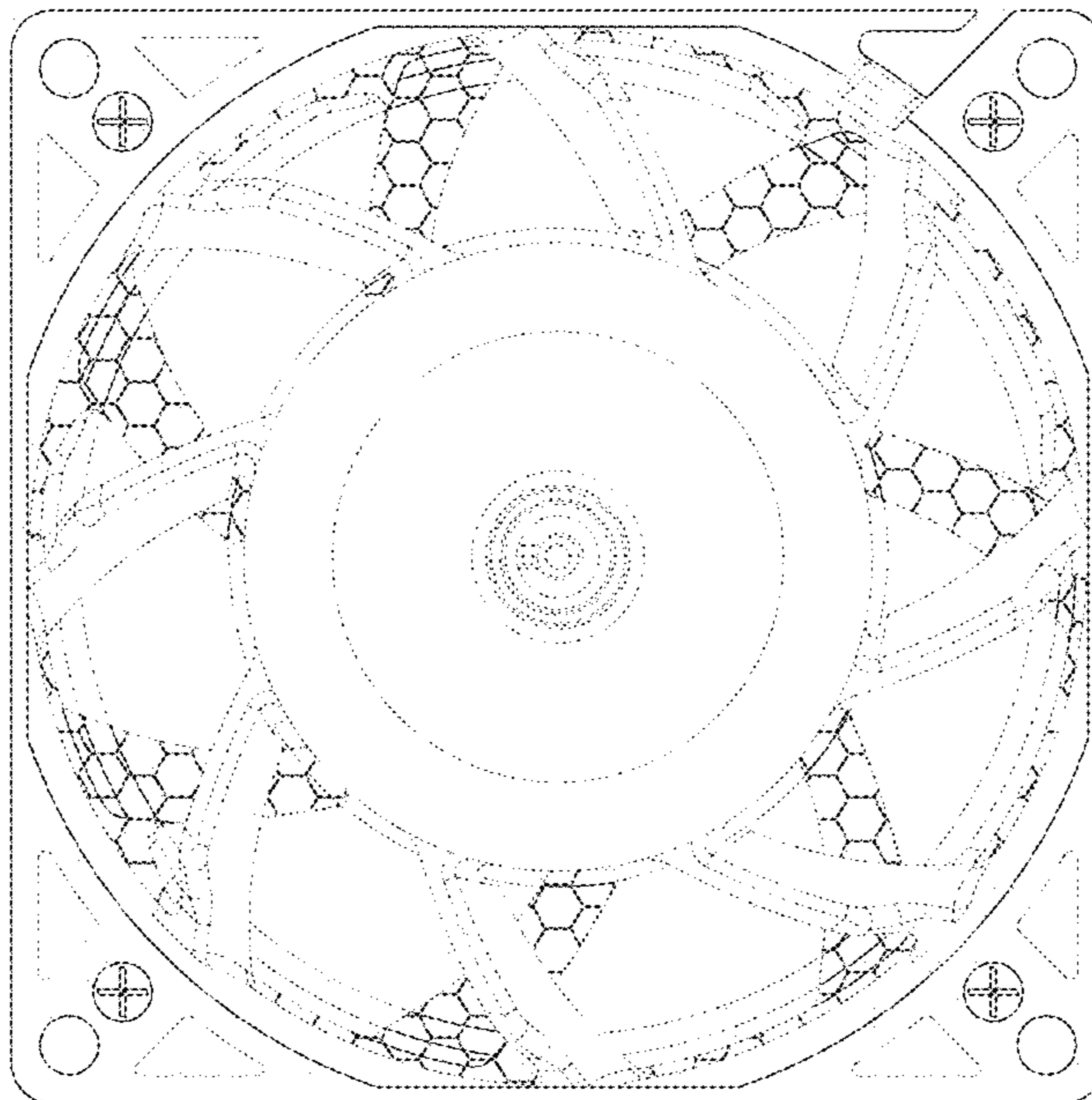


FIG. 16

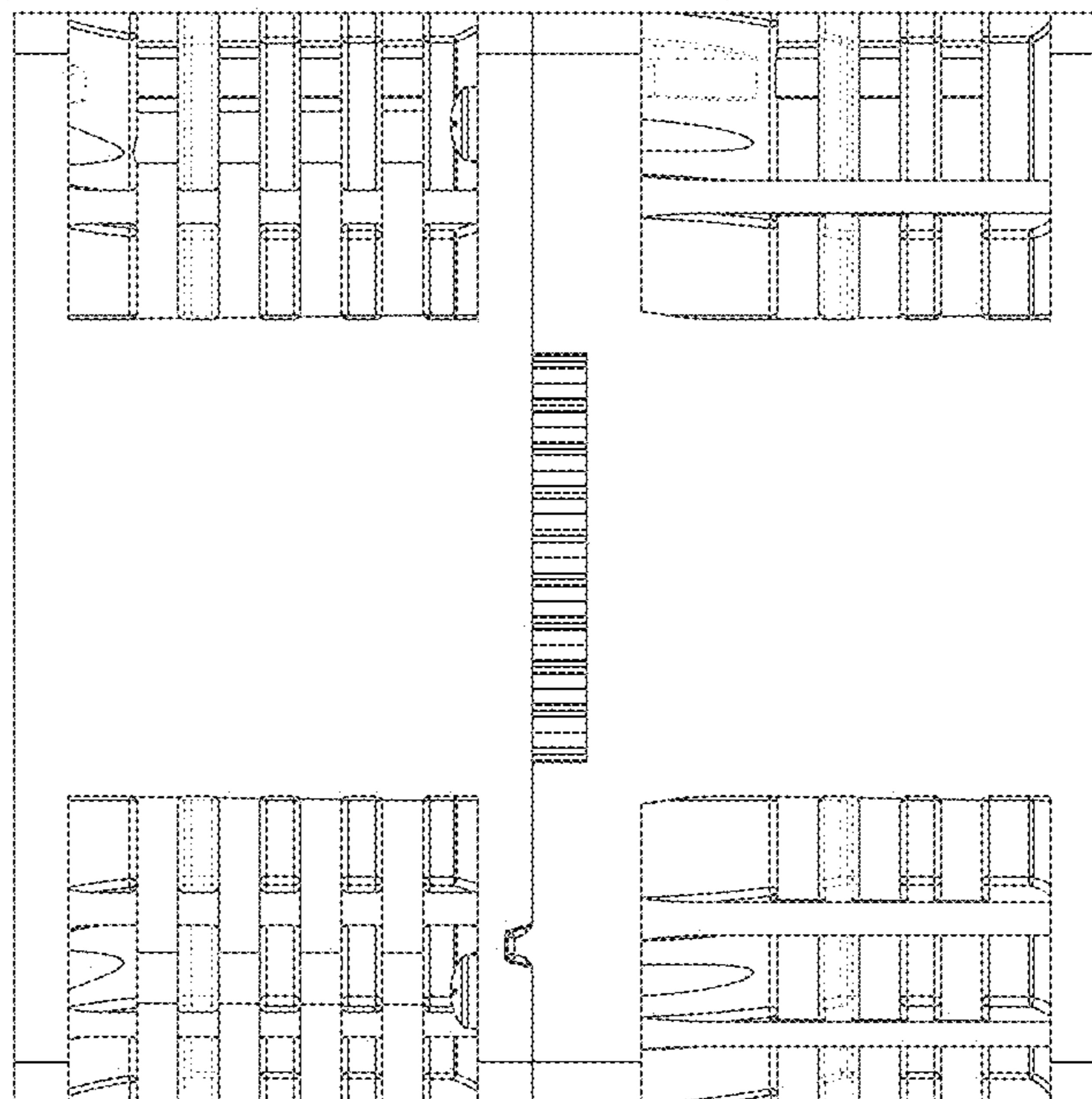


FIG. 17

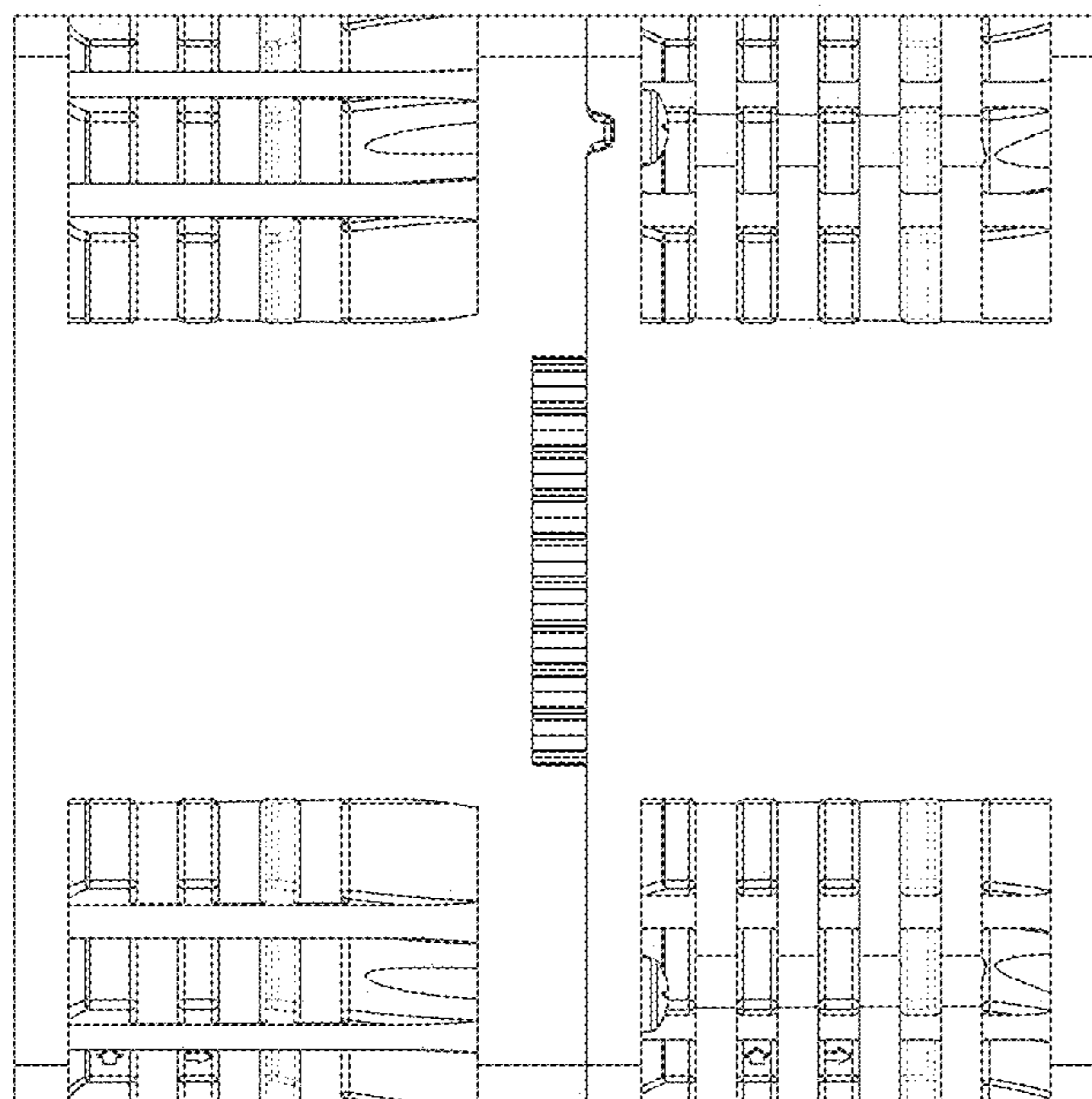


FIG. 18

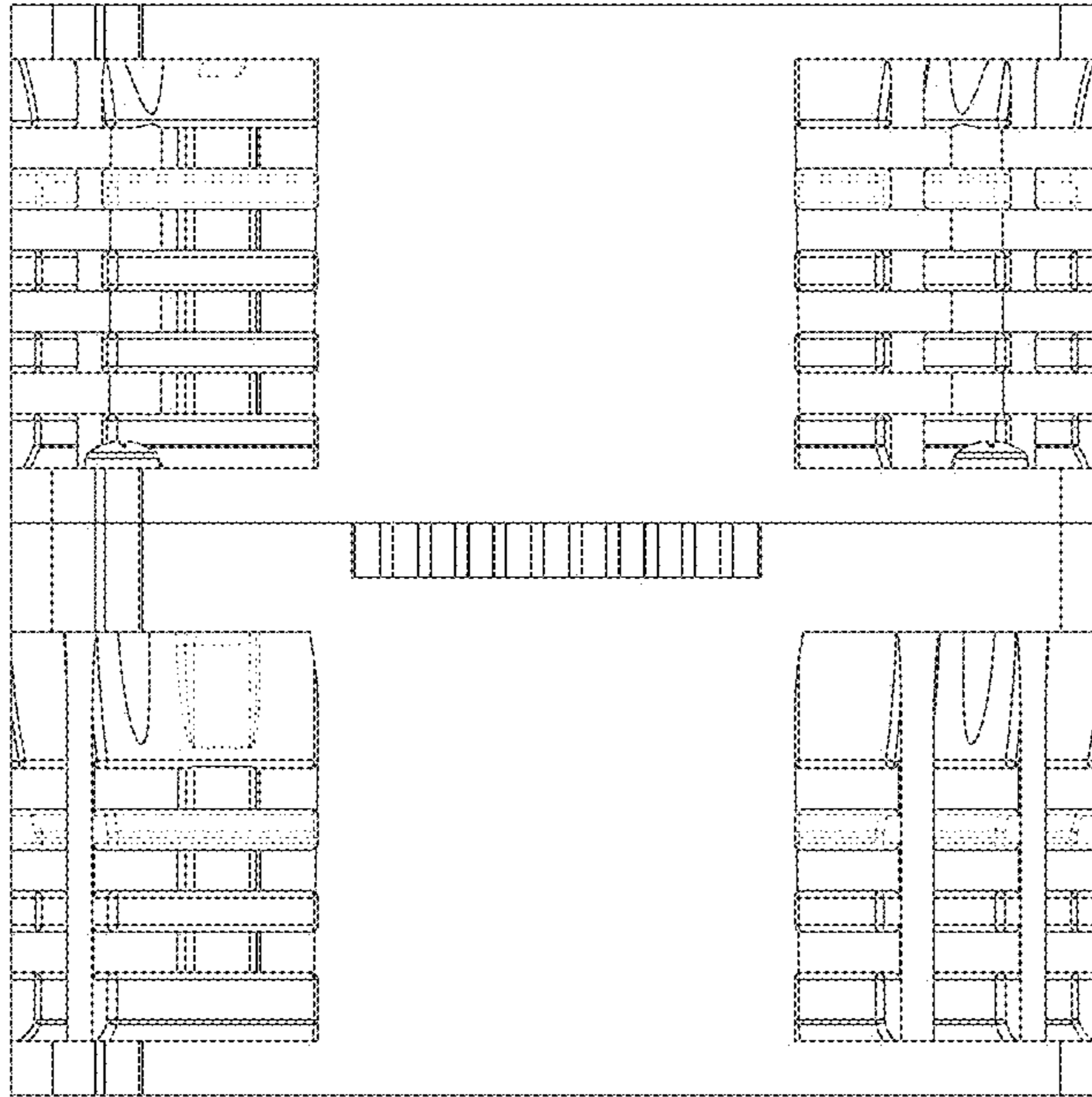


FIG. 19

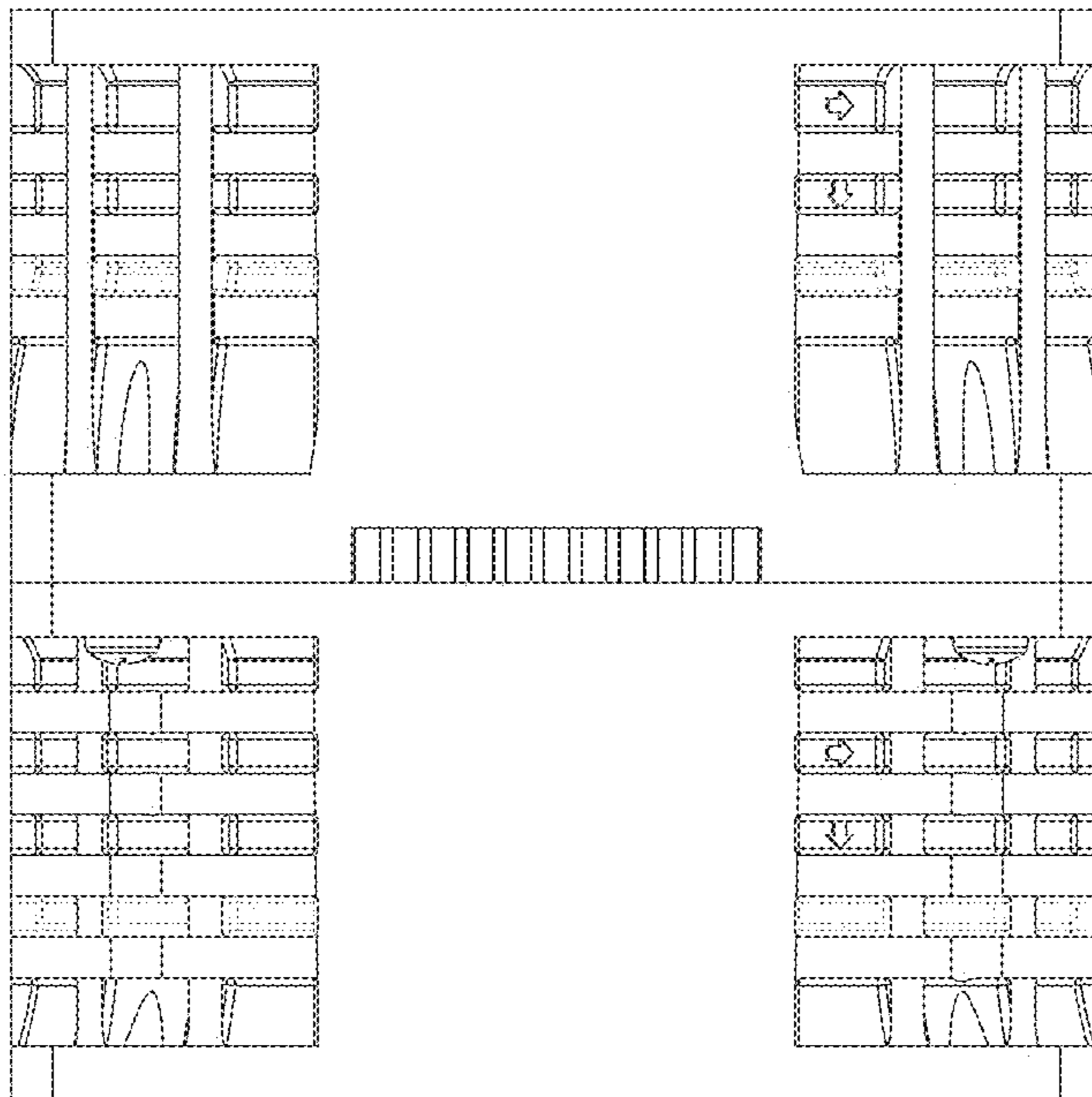


FIG. 20

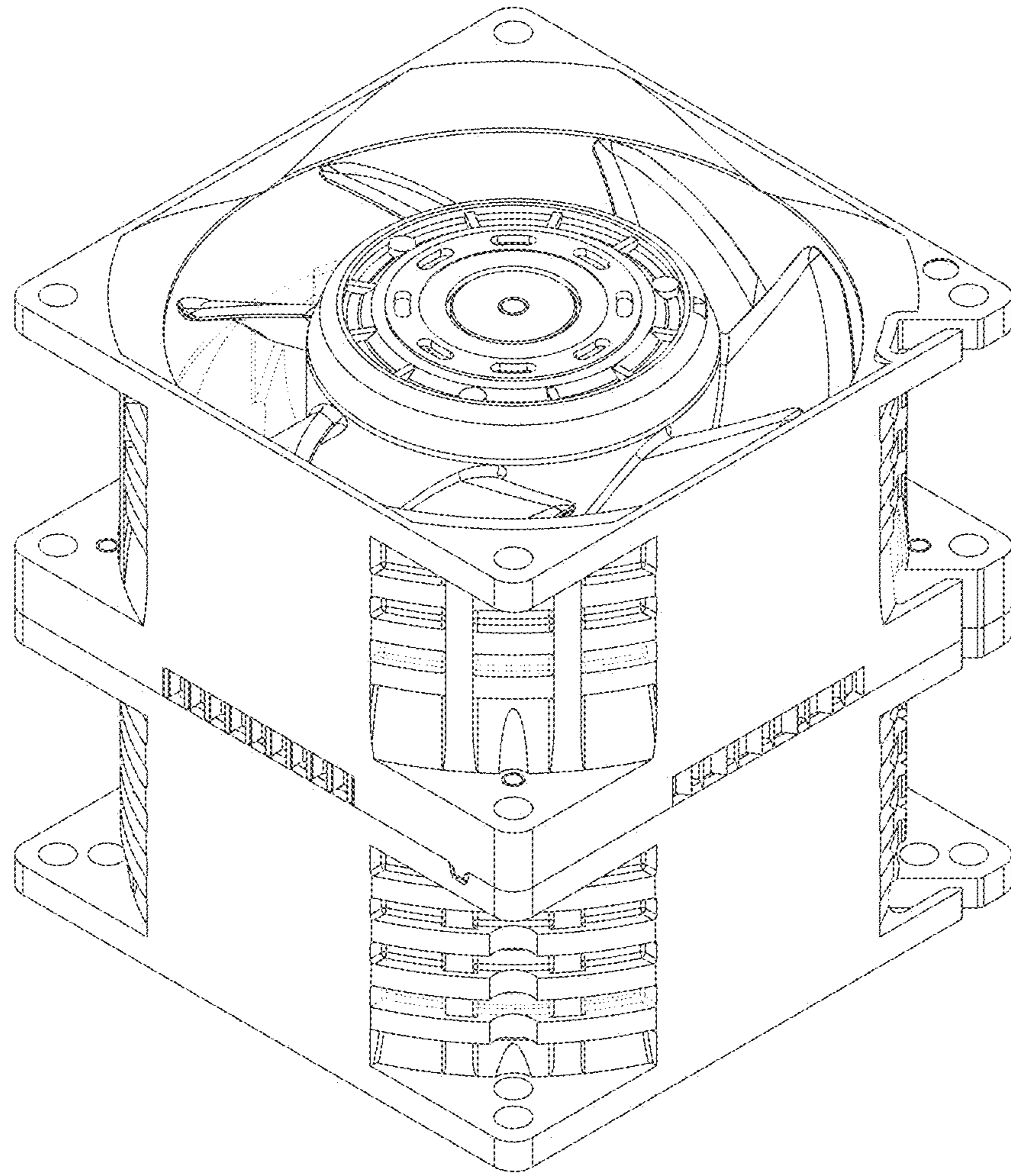


FIG. 21

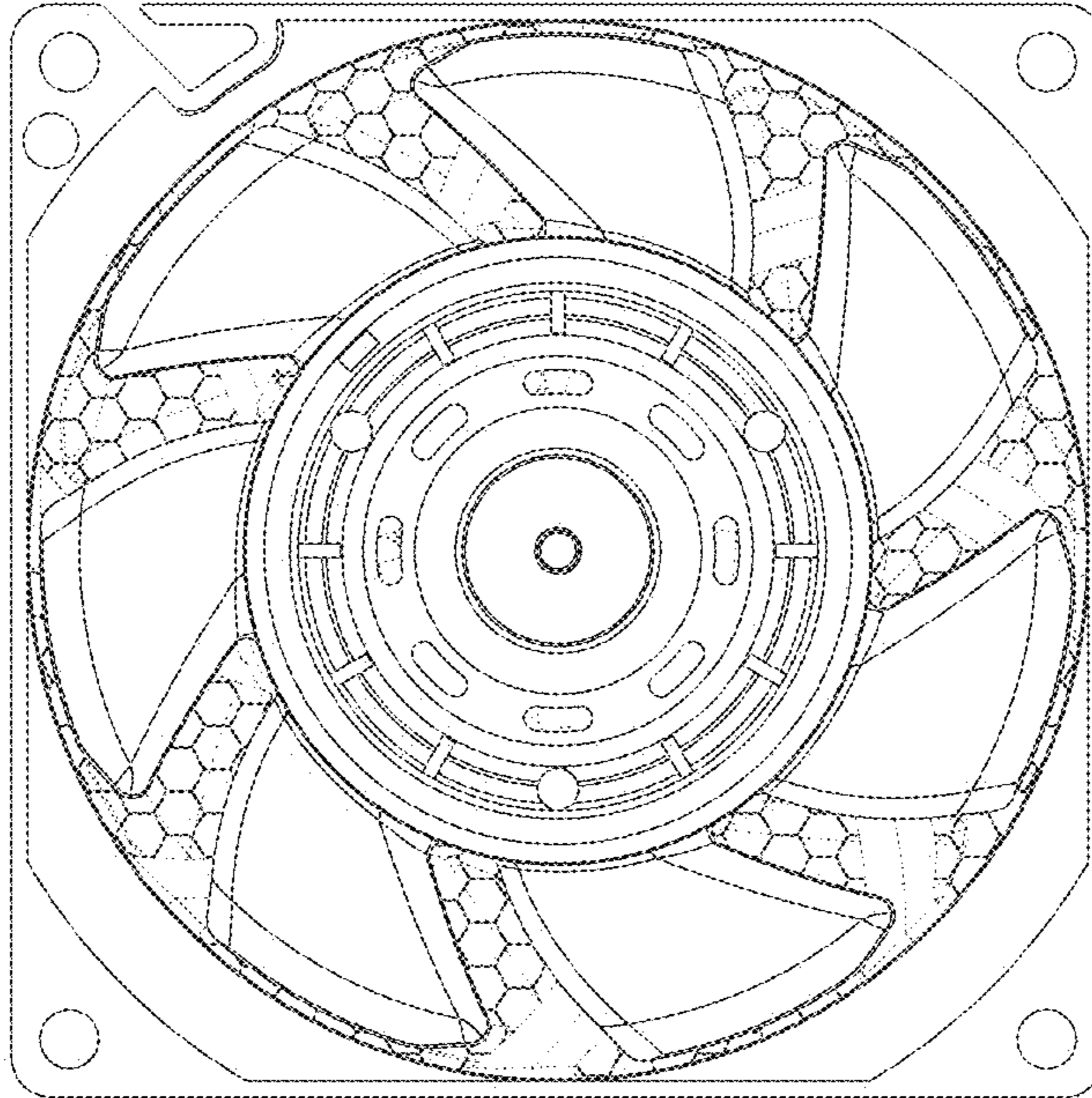


FIG. 22

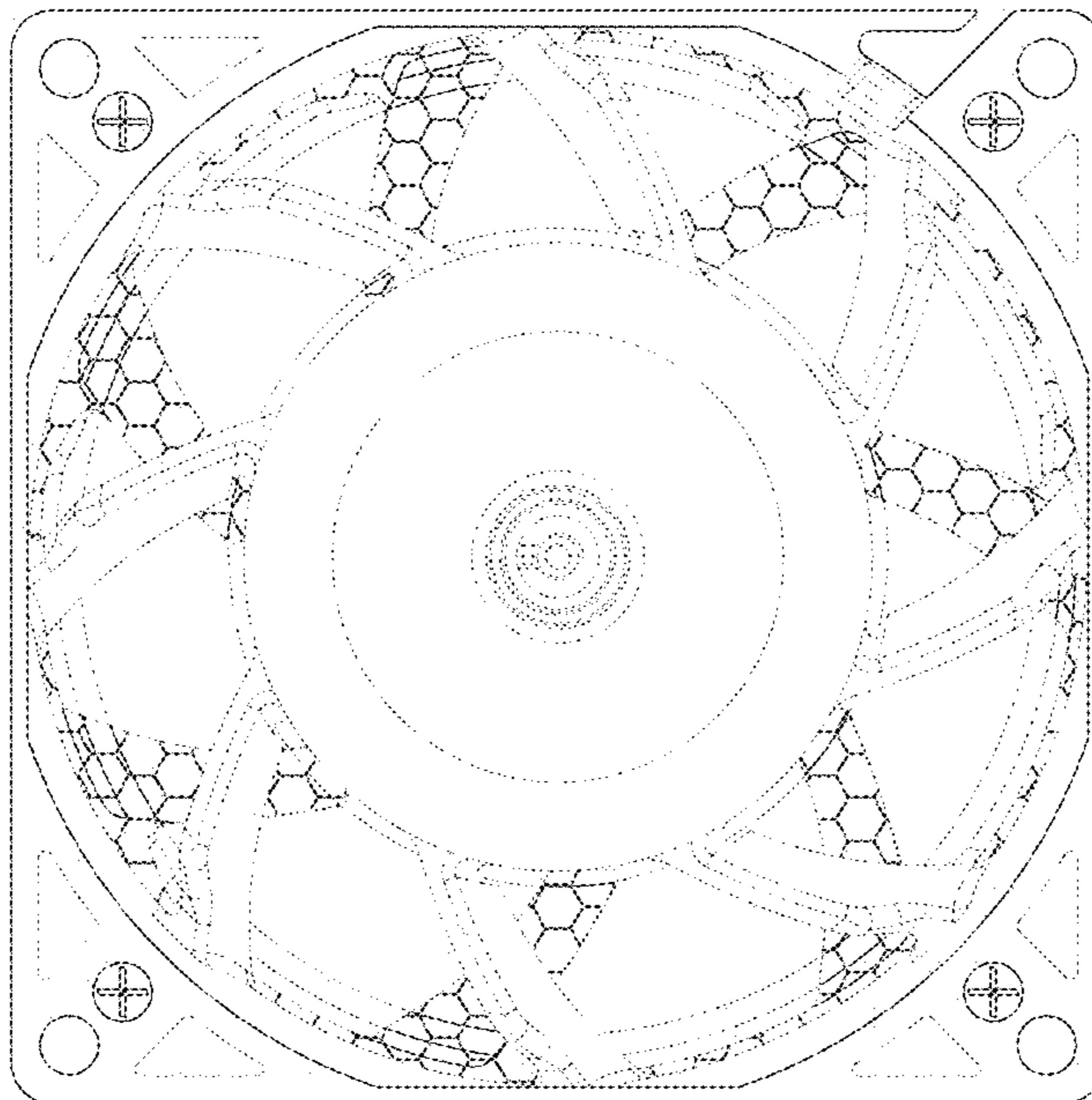


FIG. 23

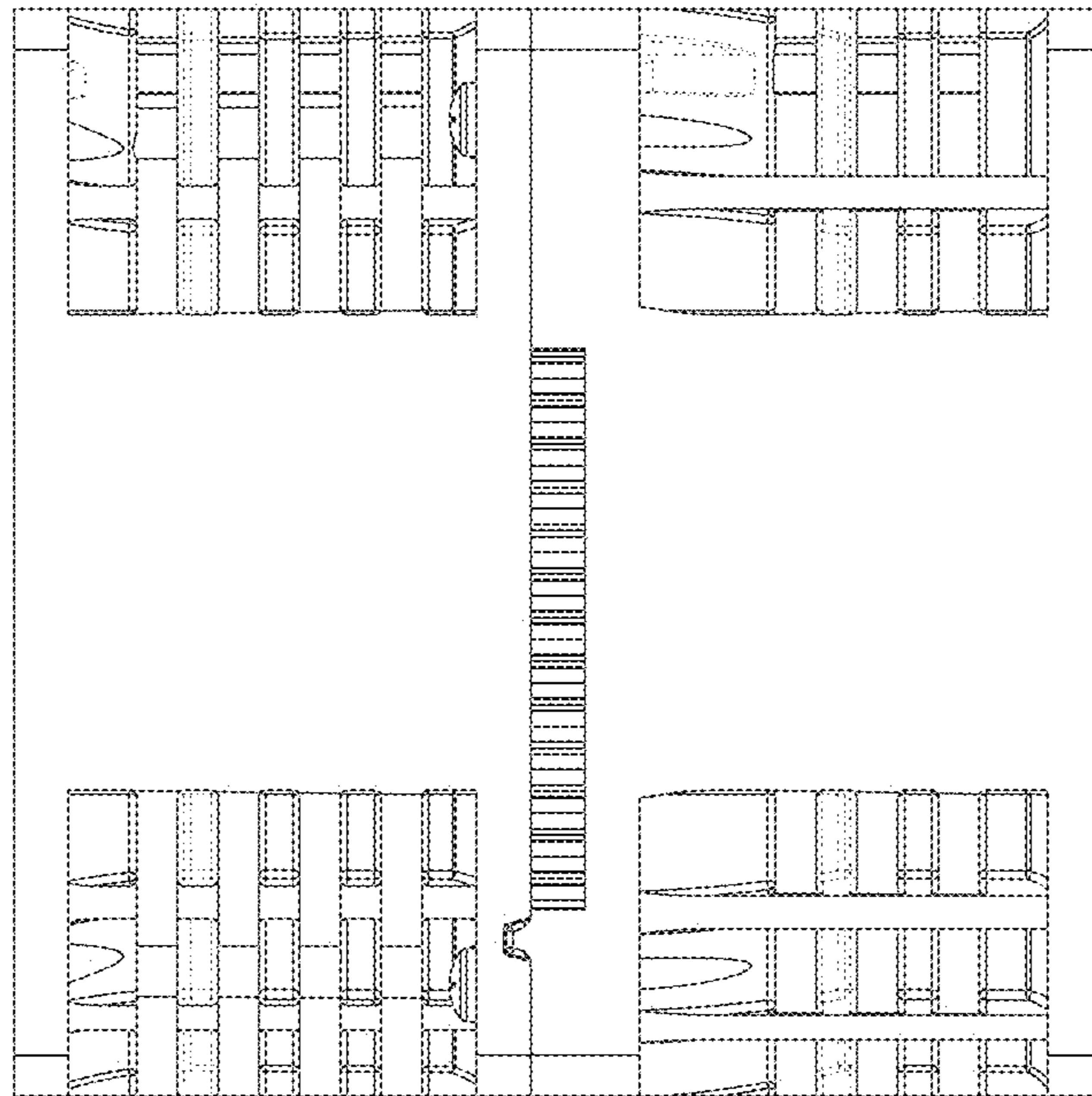


FIG. 24

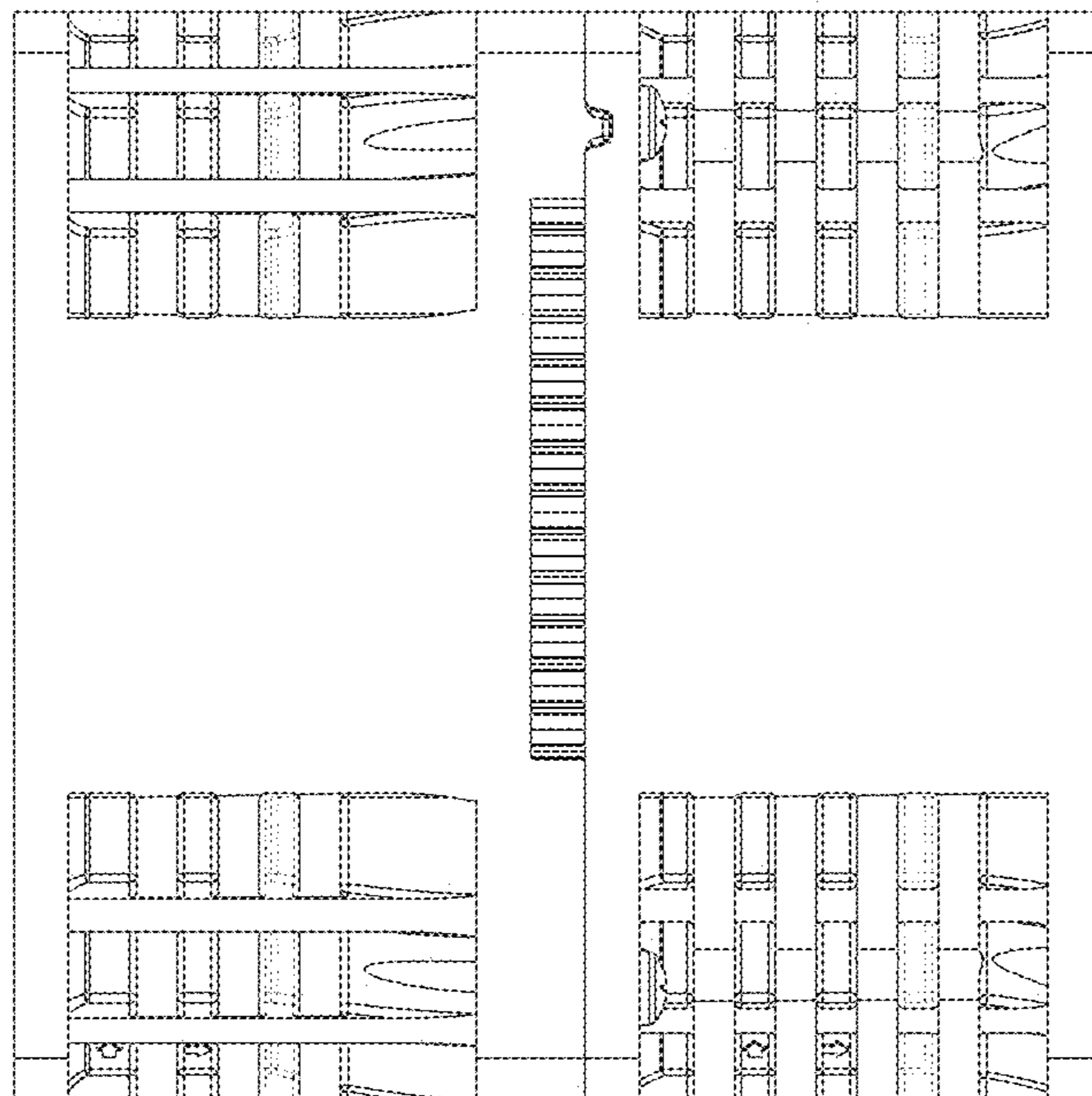


FIG. 25



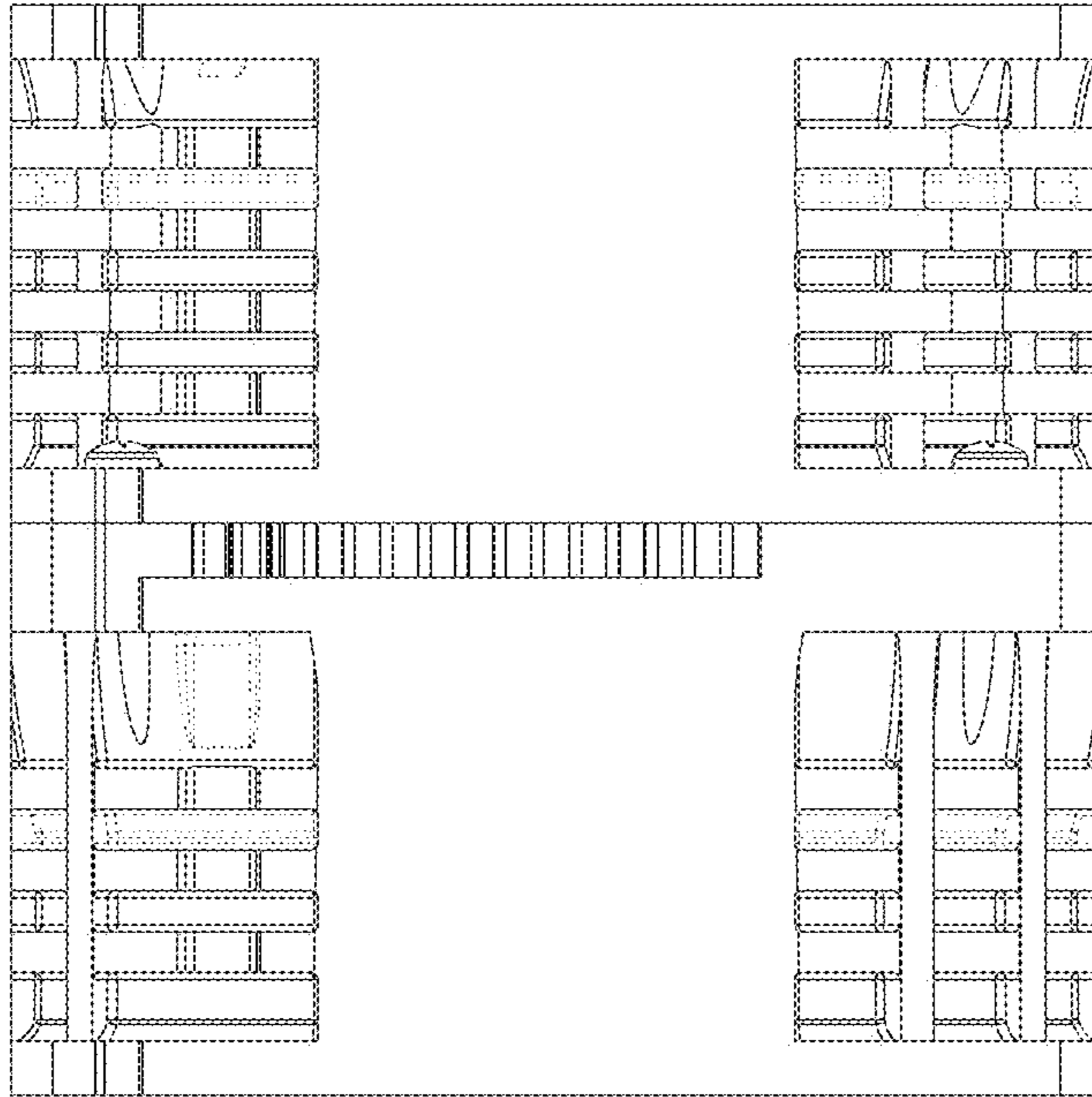


FIG. 26

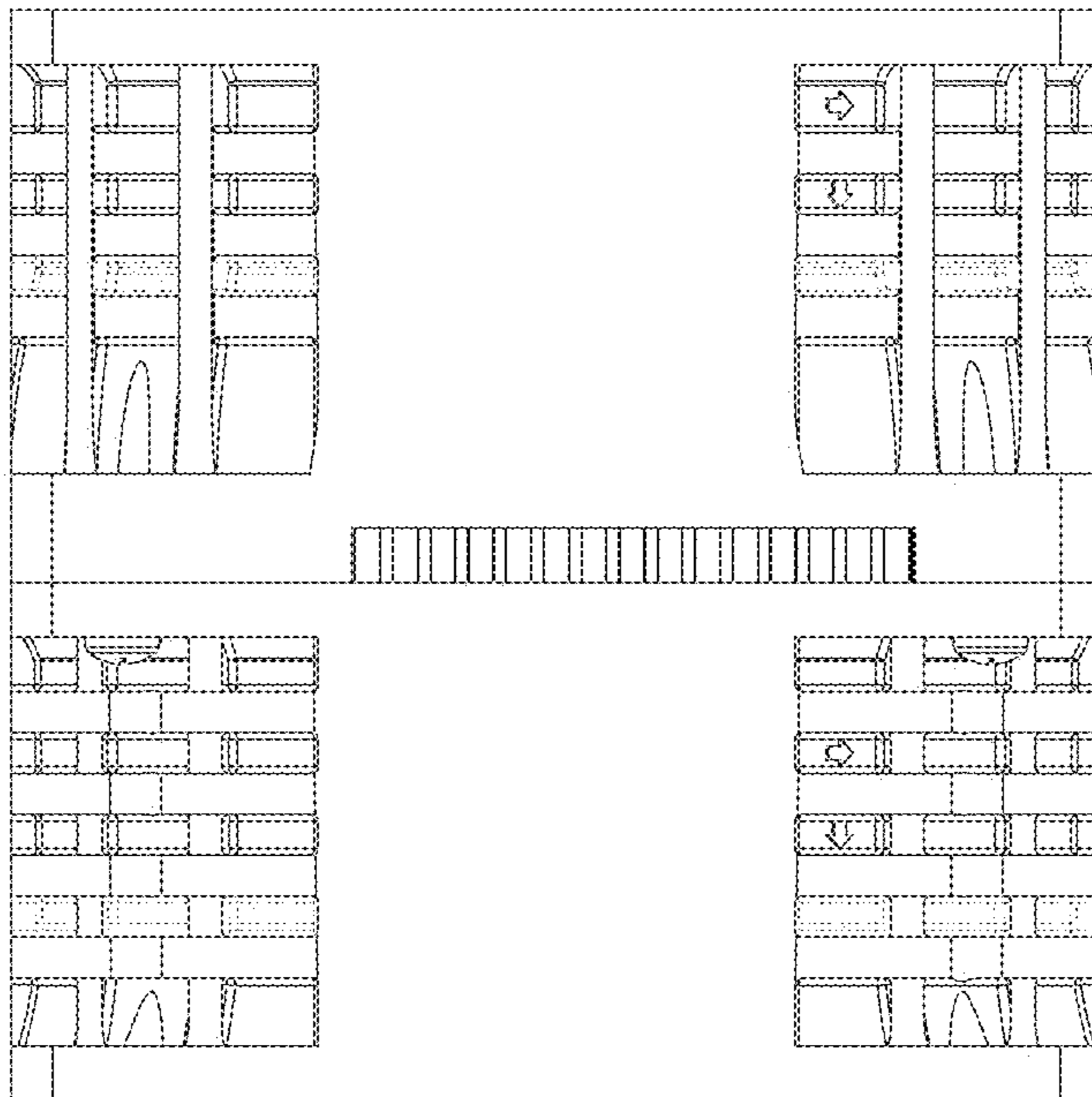


FIG. 27

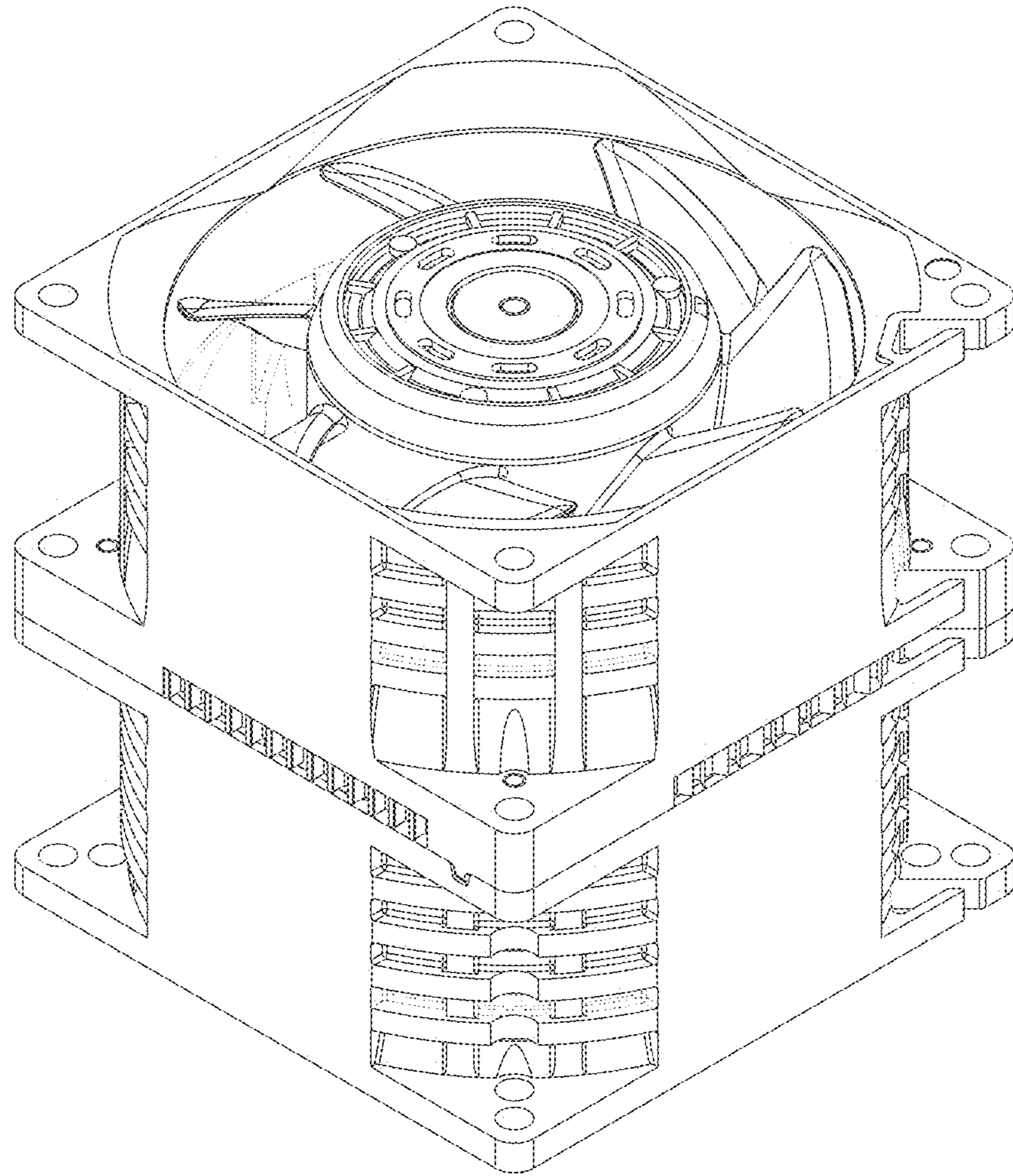


FIG. 28

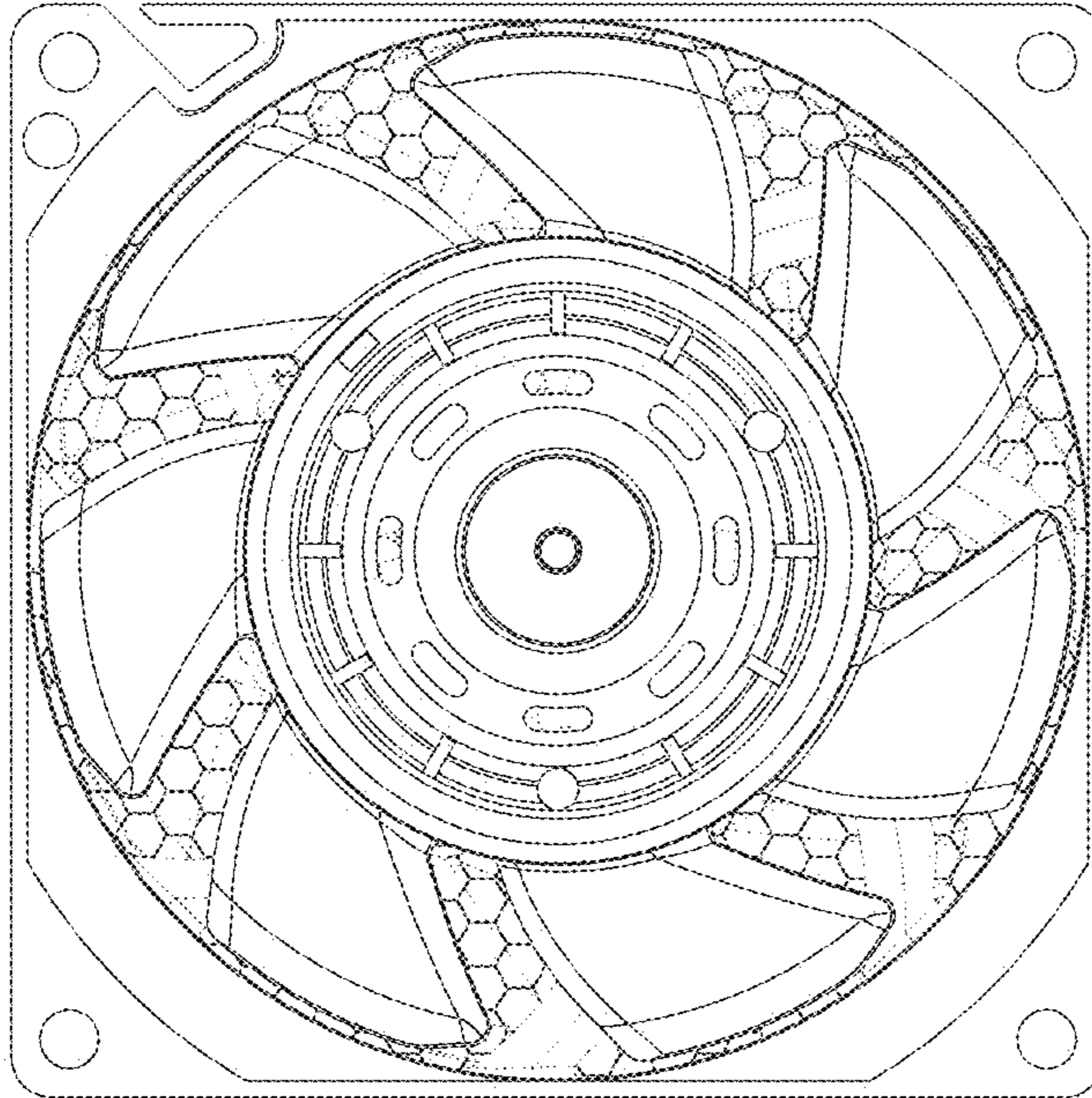


FIG. 29

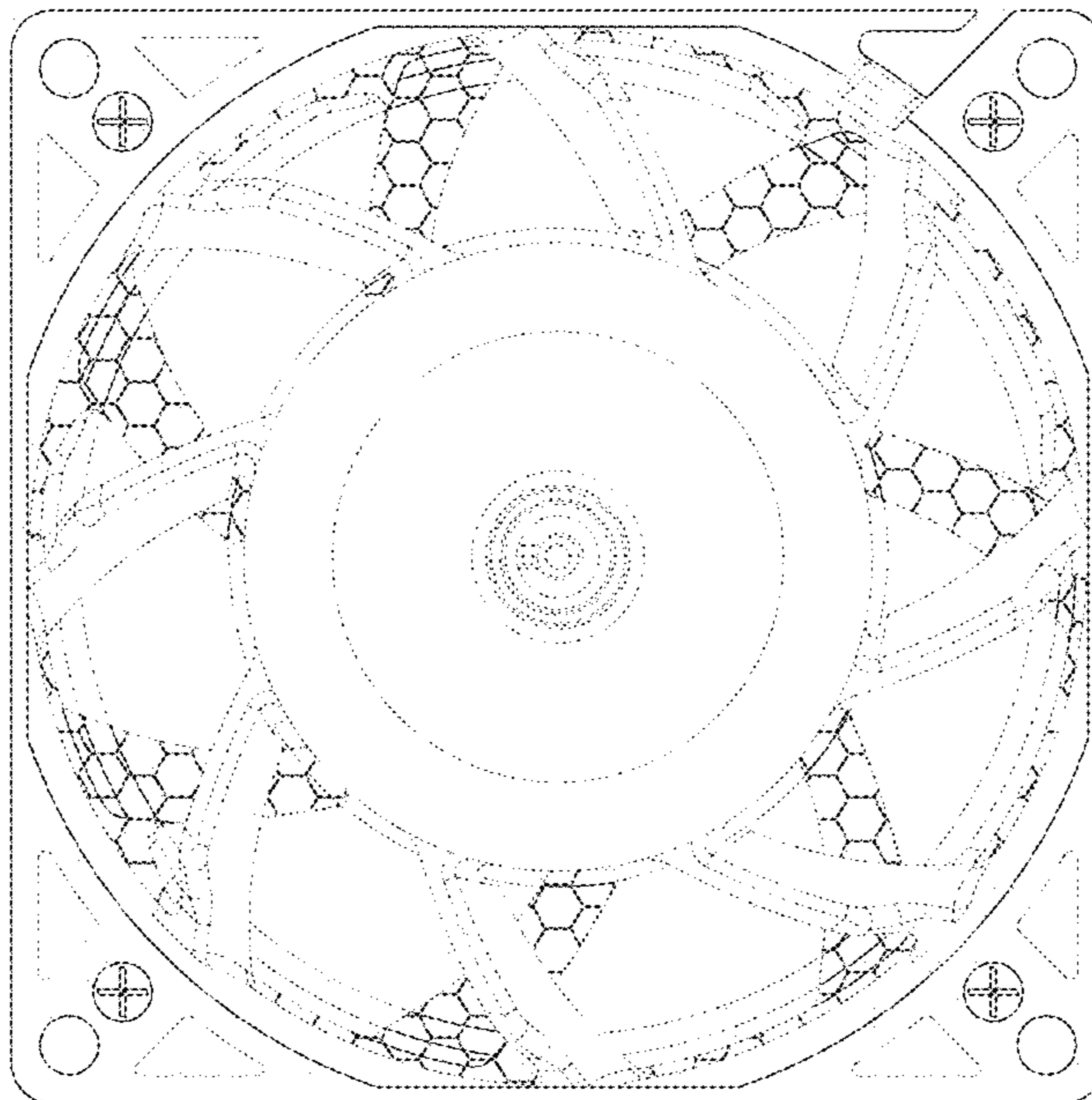


FIG. 30

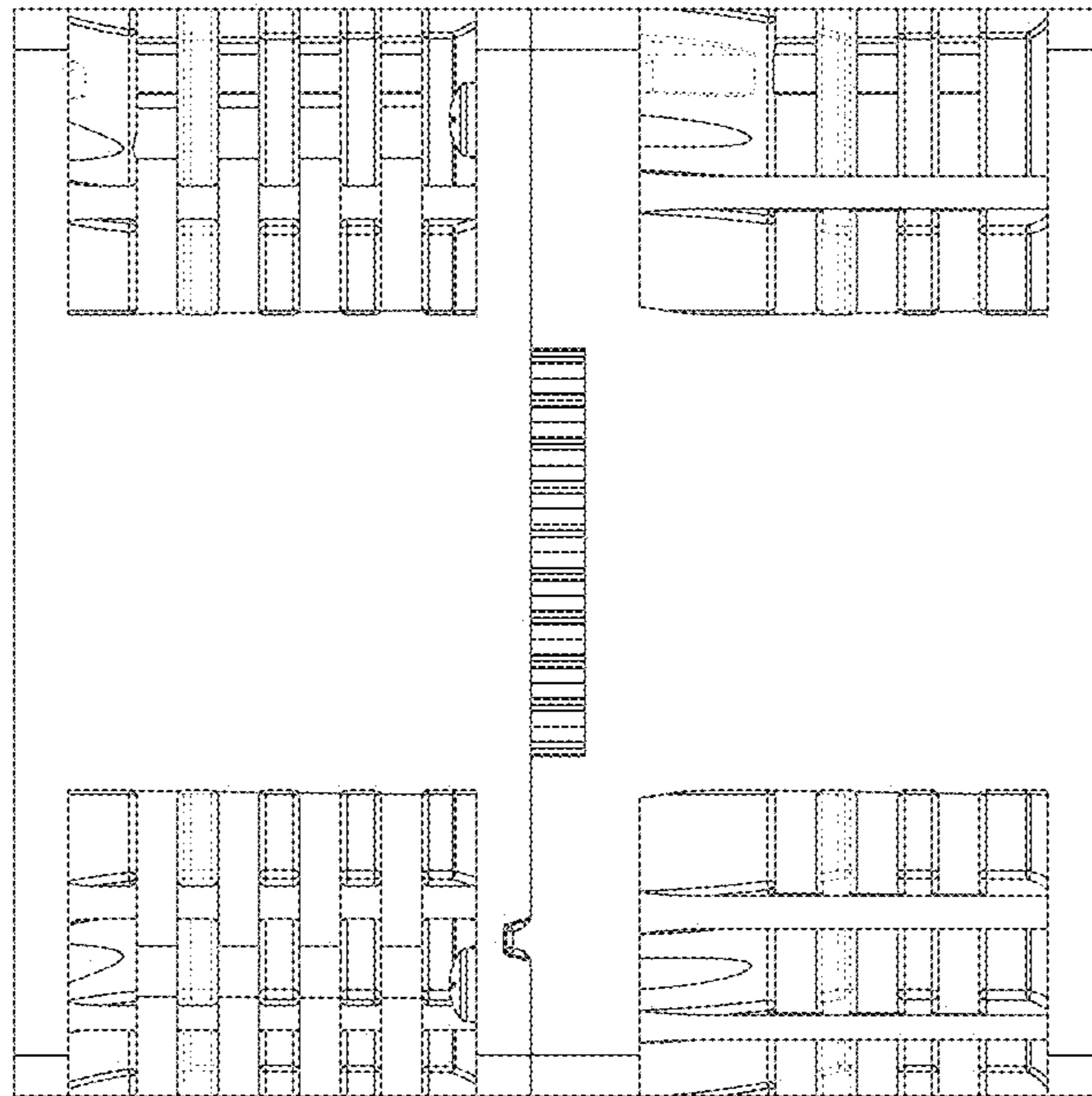


FIG. 31

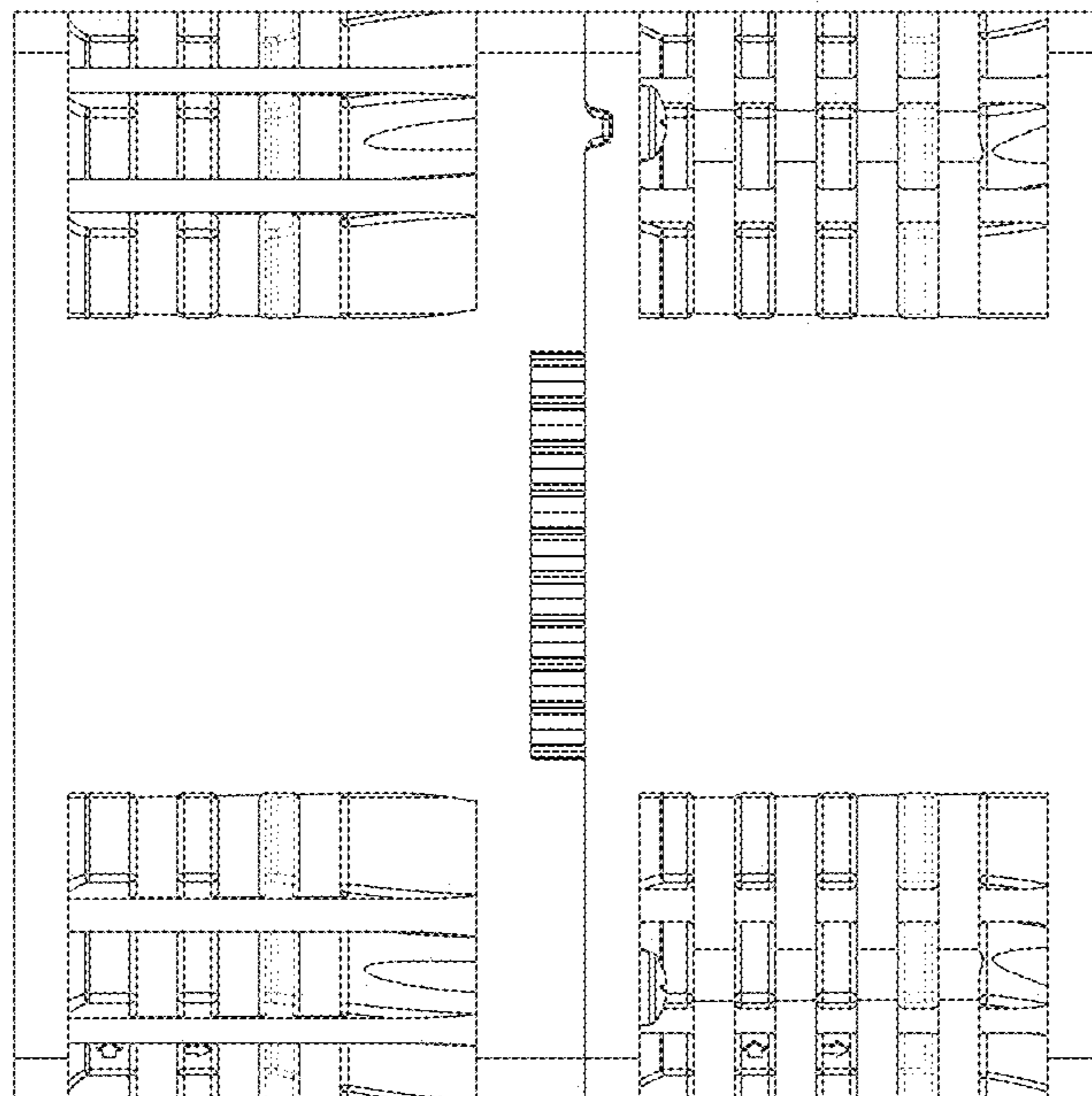


FIG. 32

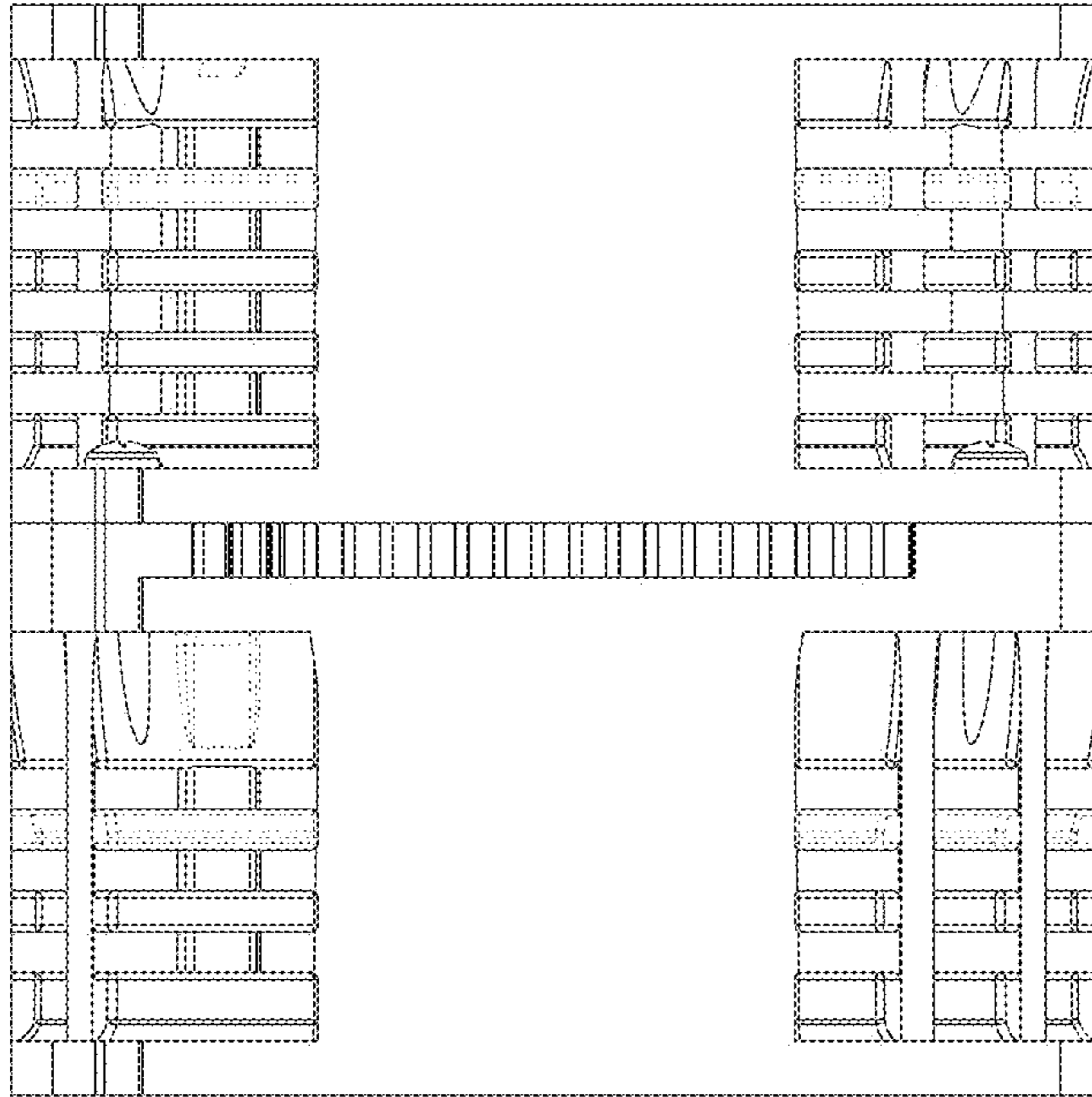


FIG. 33

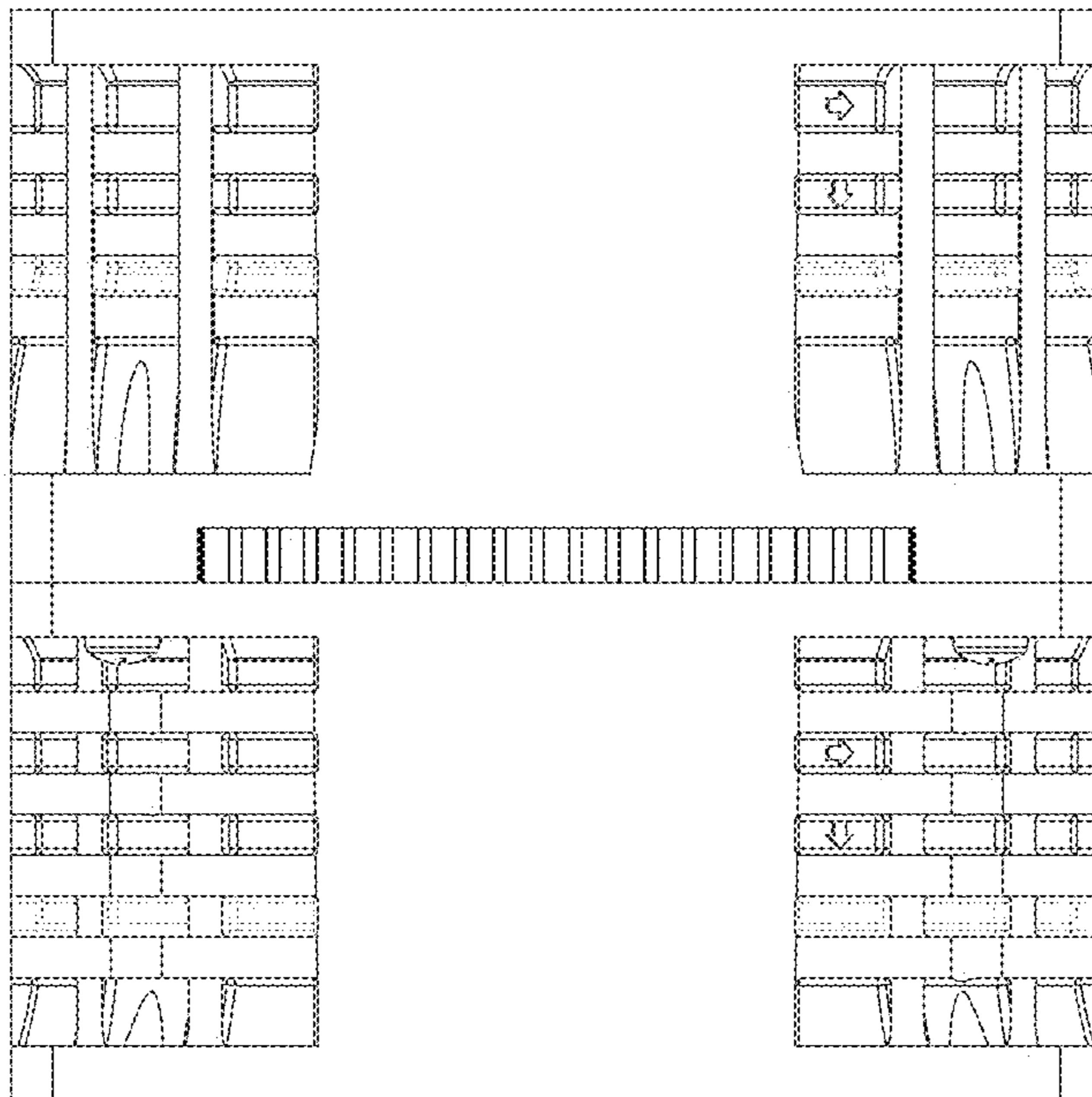


FIG. 34

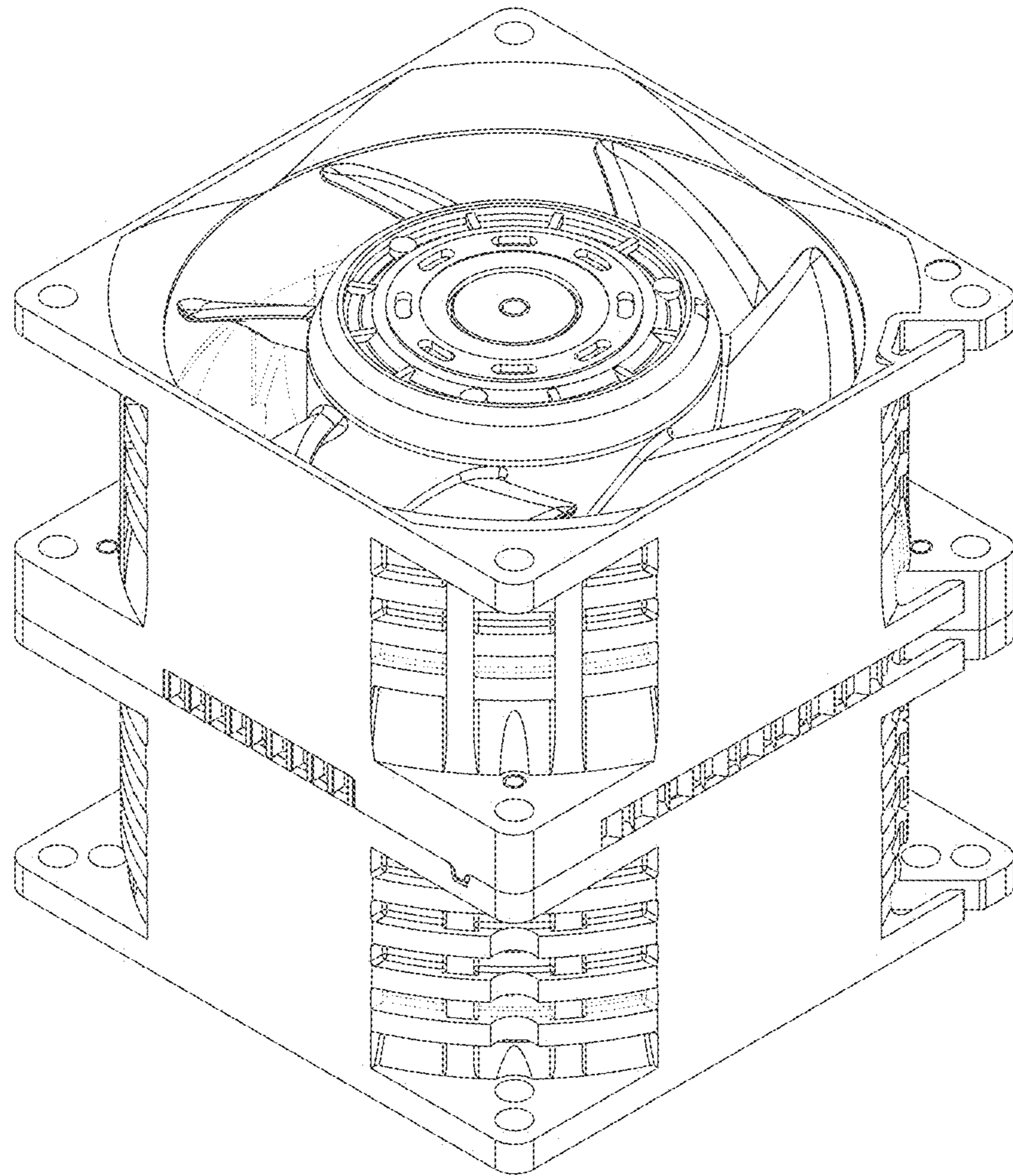


FIG. 35

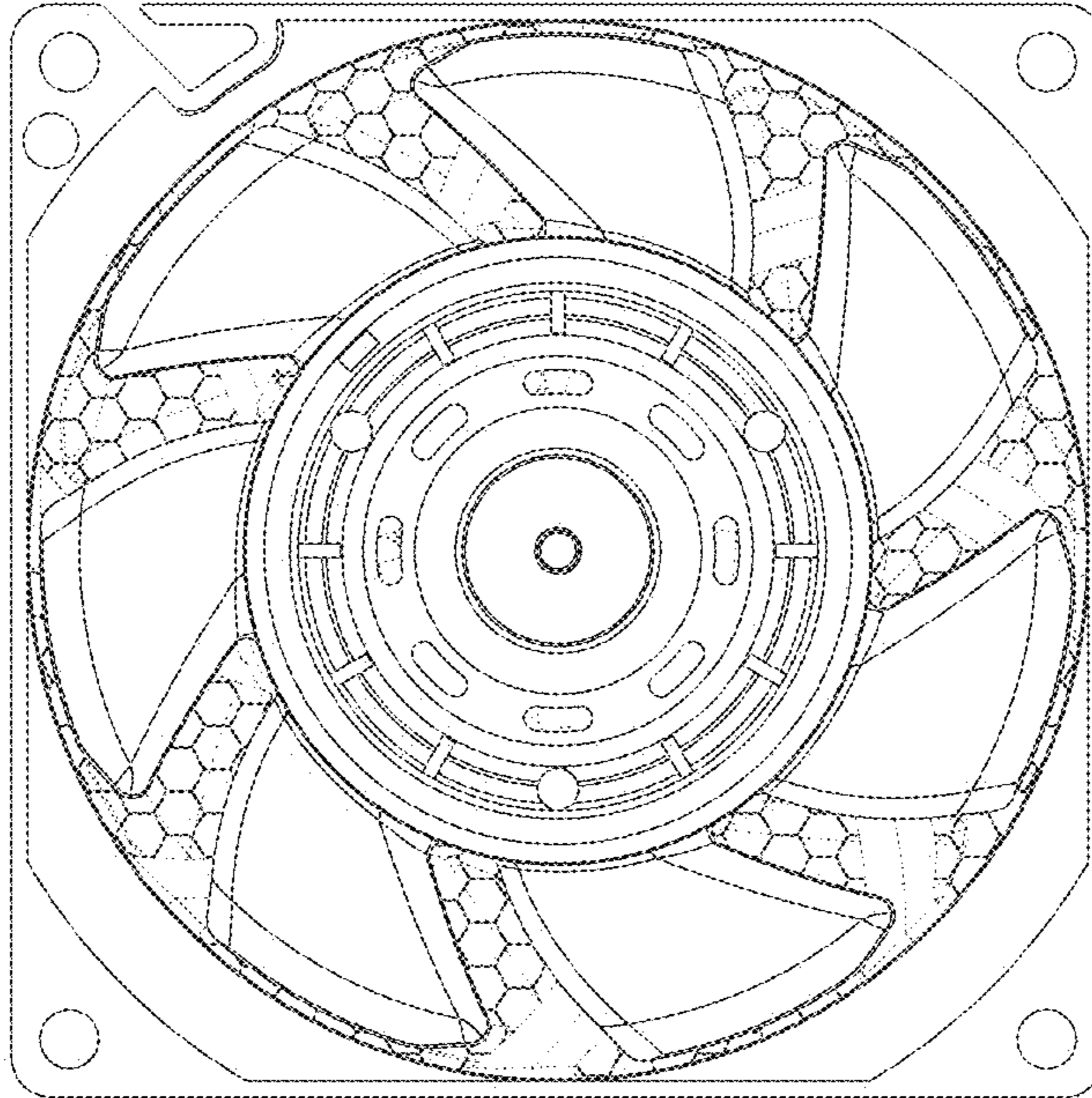


FIG. 36

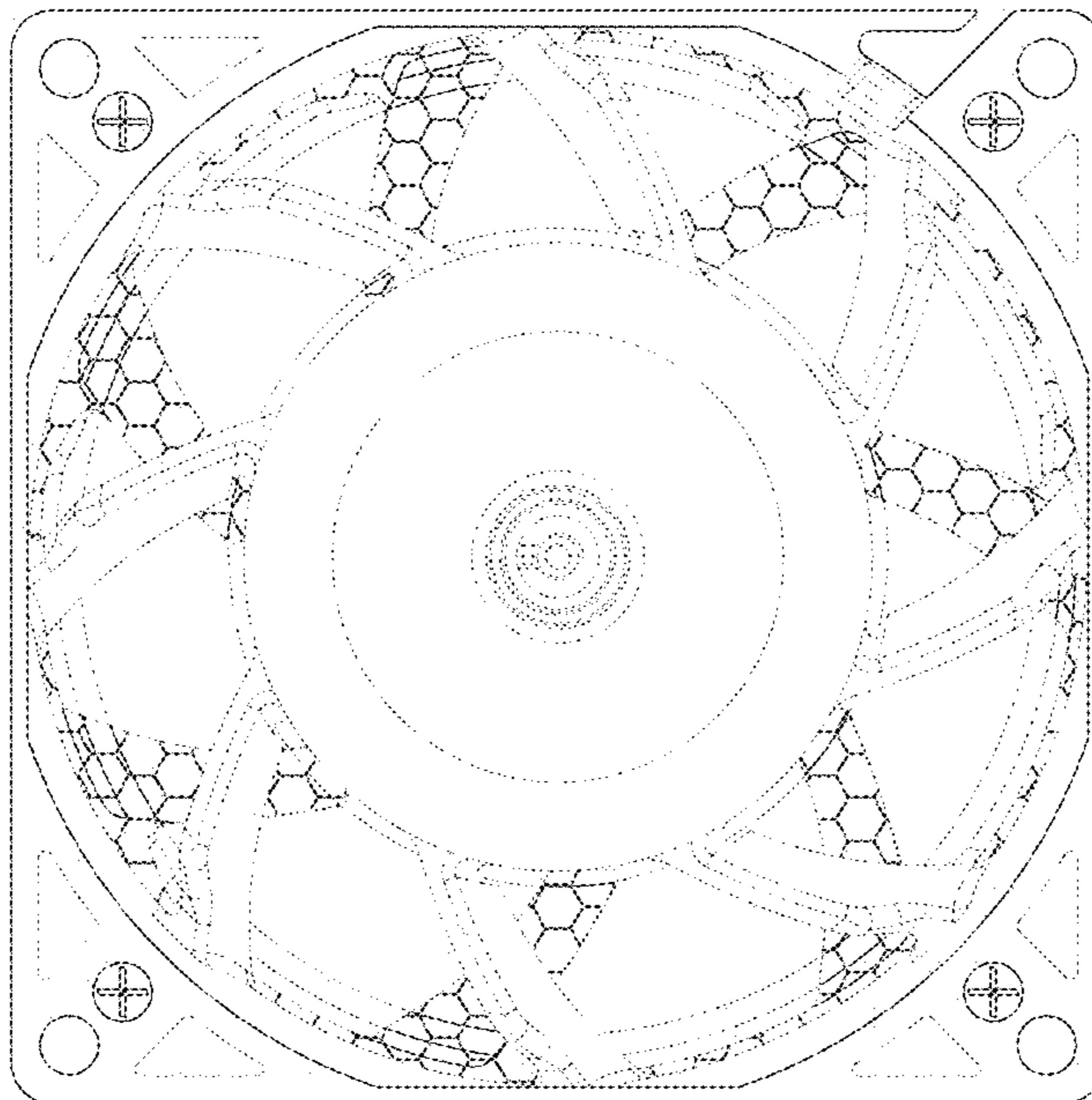


FIG. 37

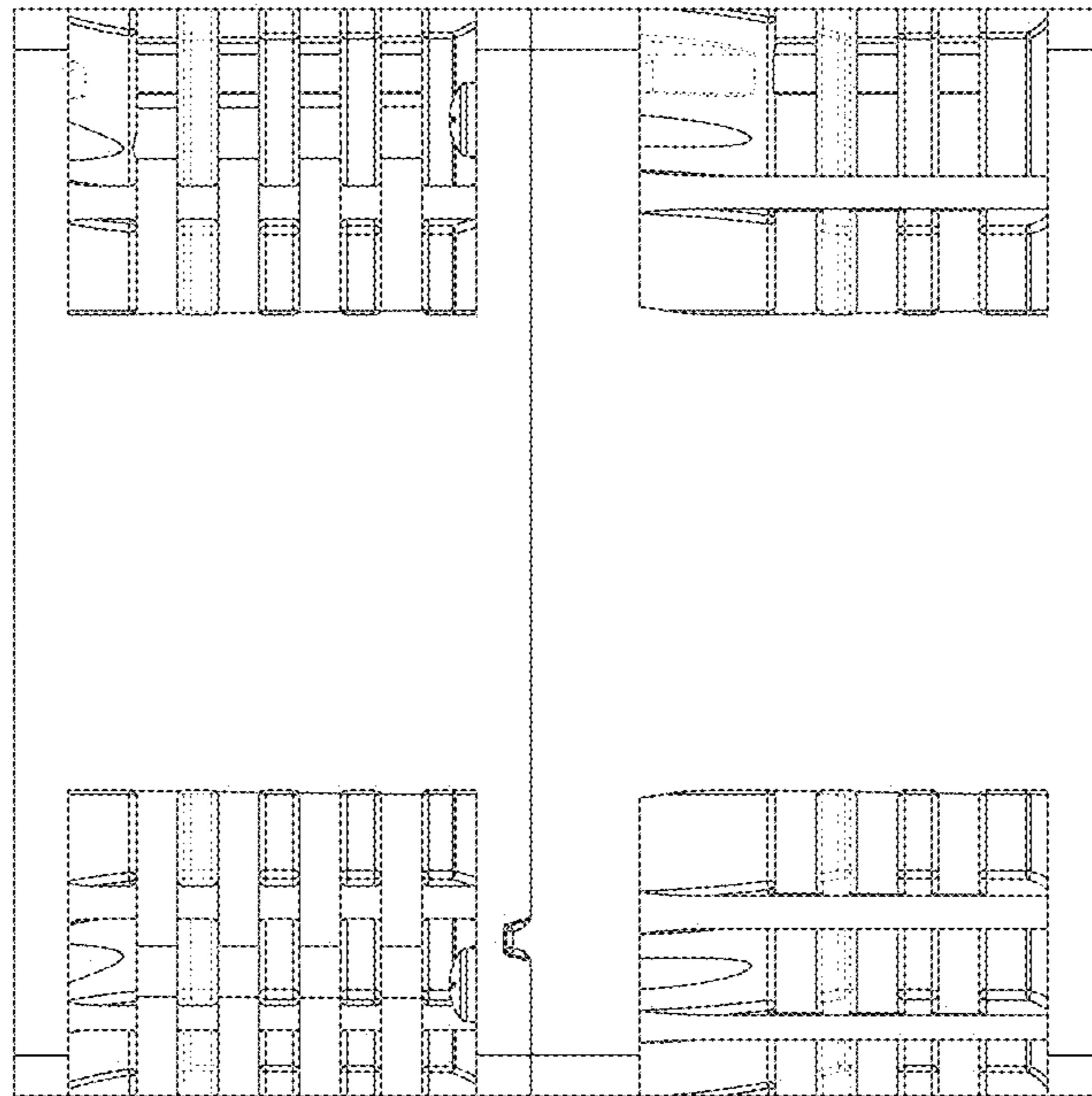


FIG. 38

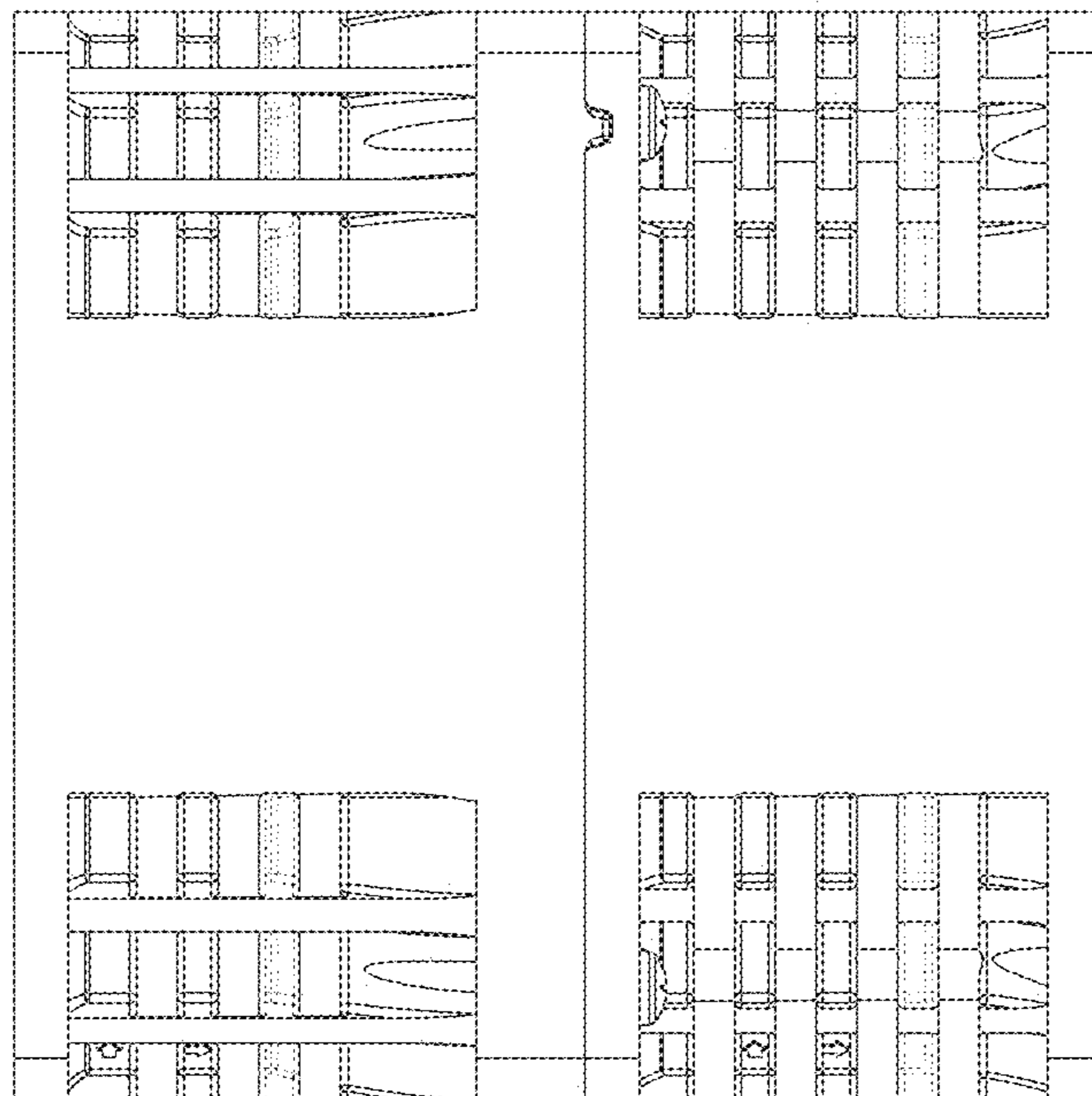


FIG. 39



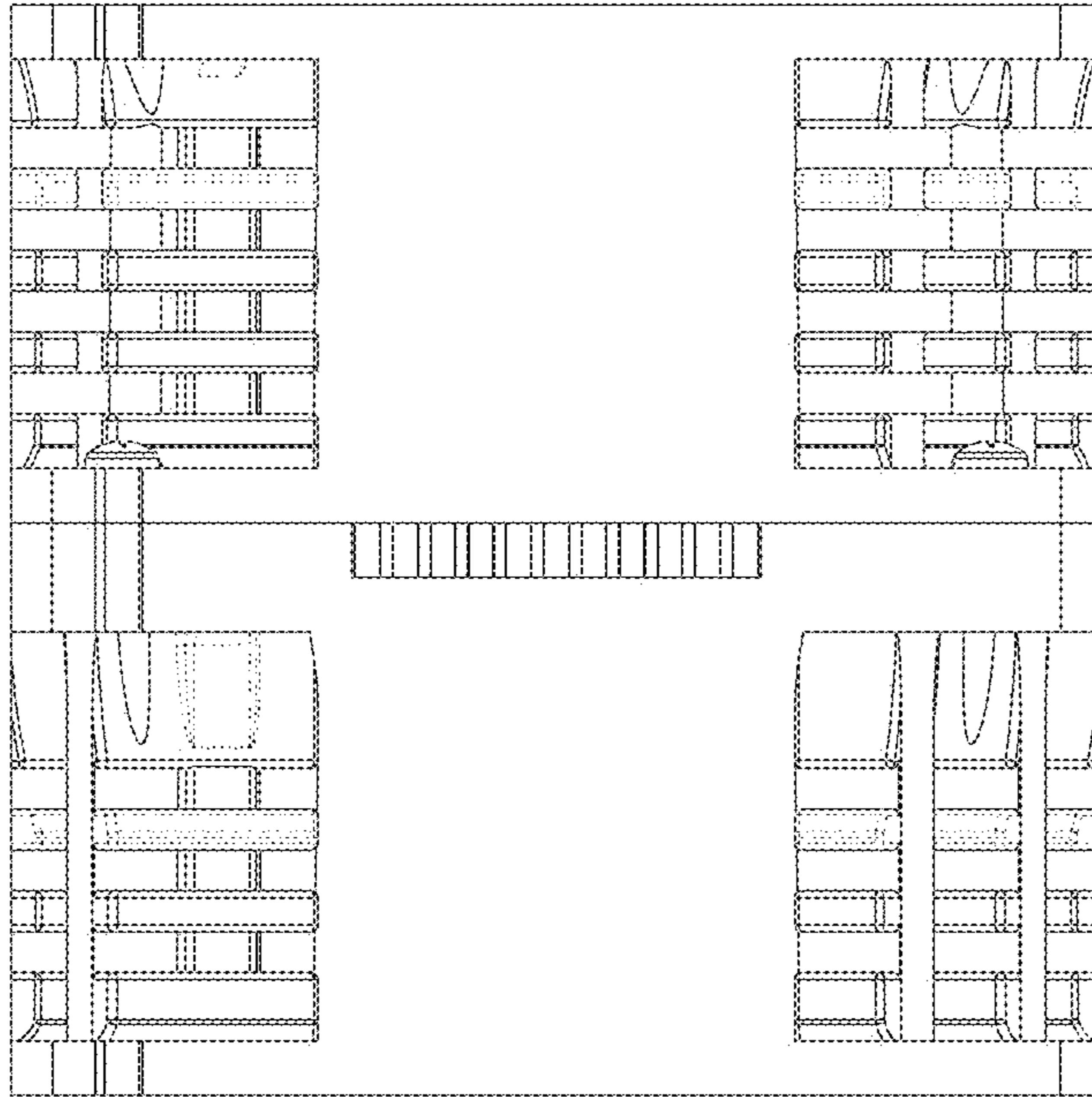


FIG. 40

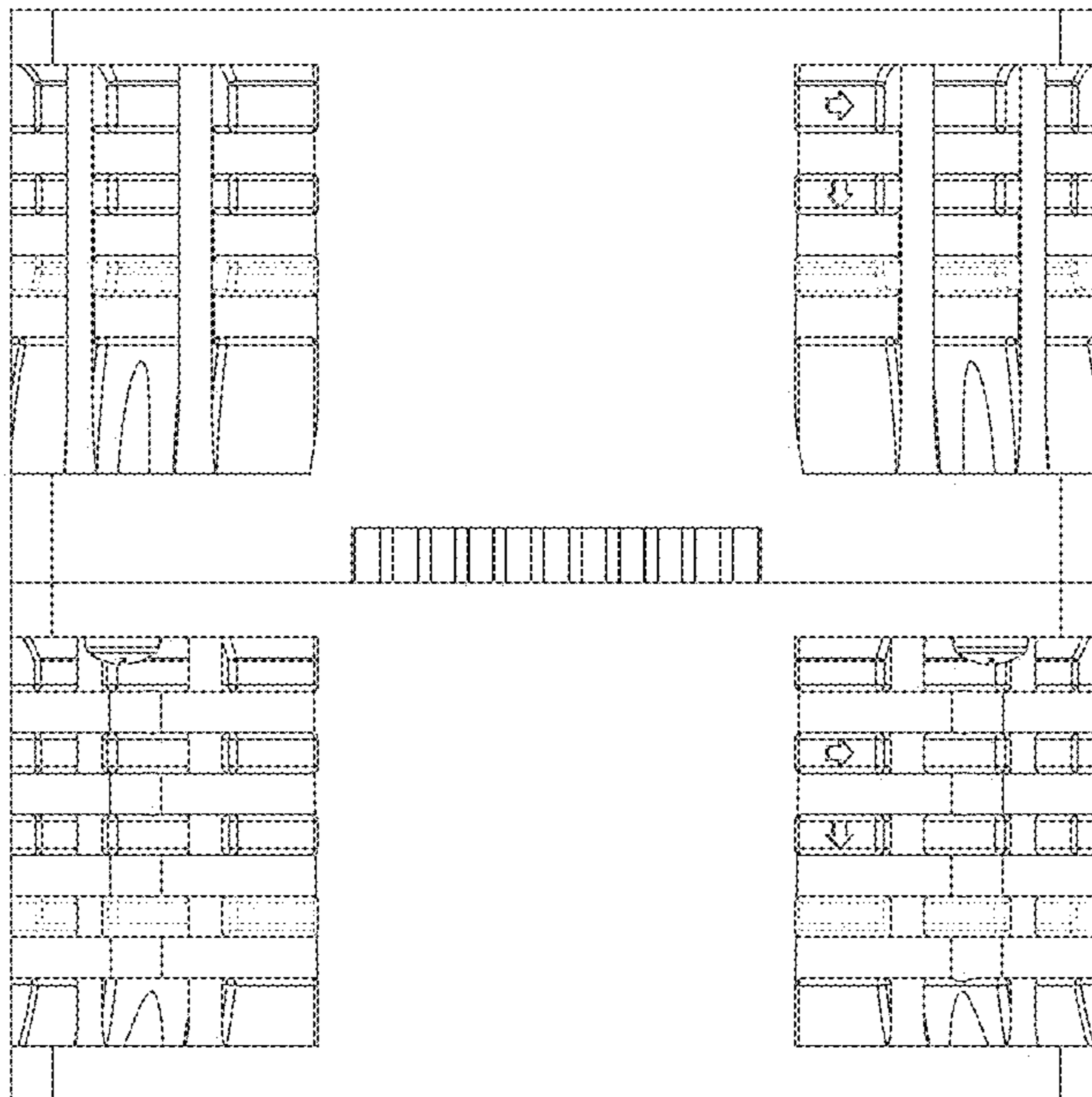


FIG. 41

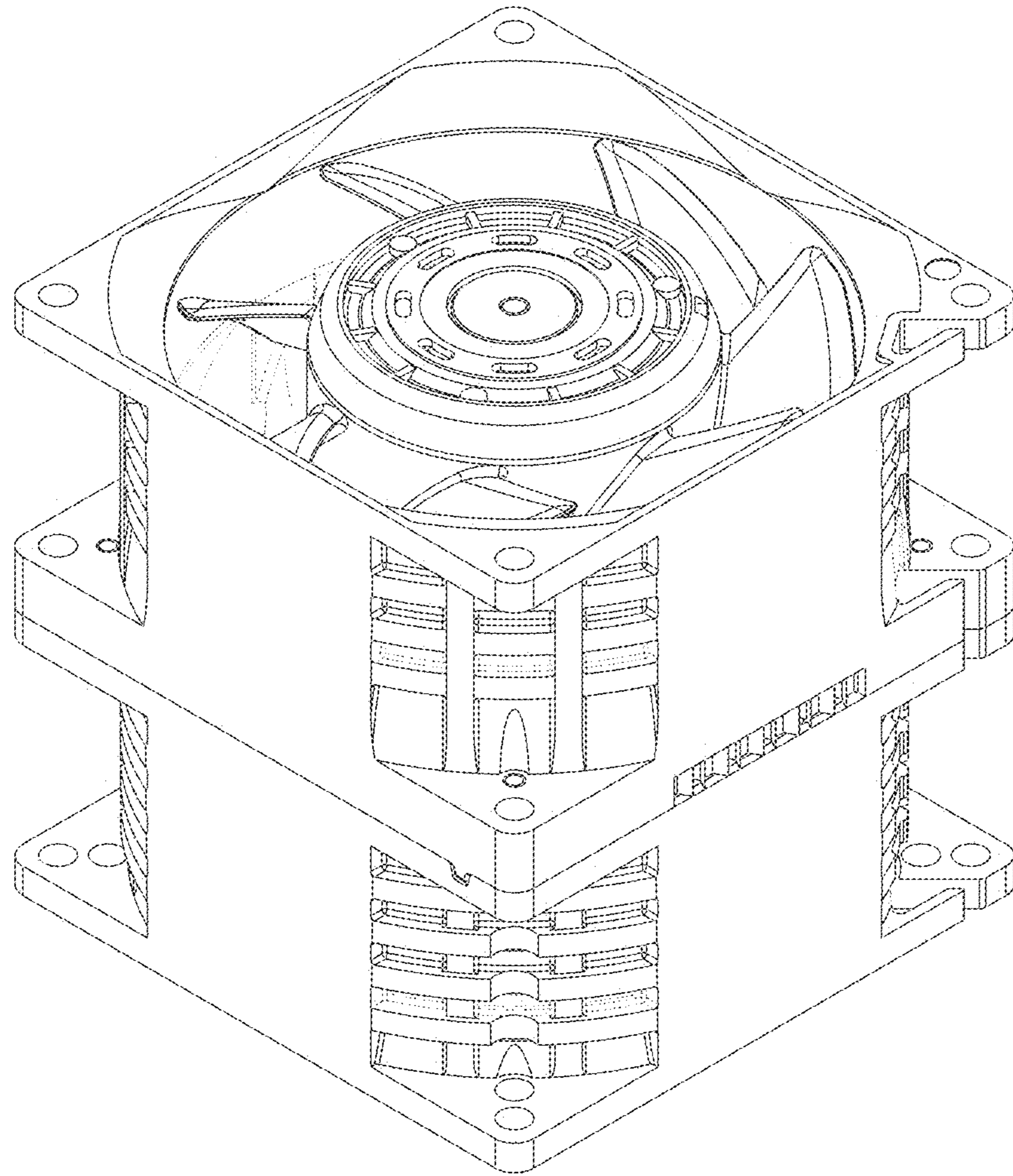


FIG. 42

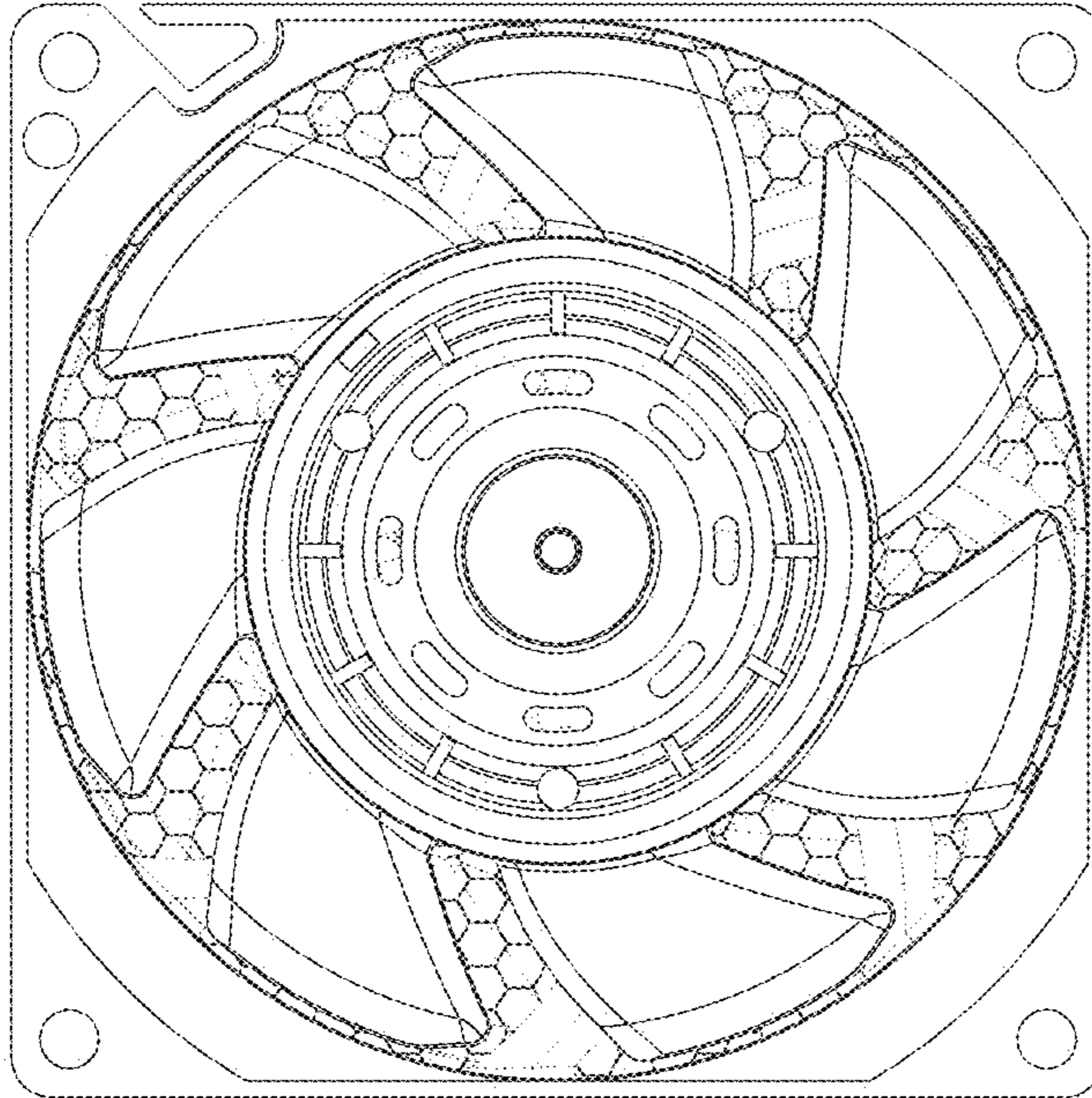


FIG. 43

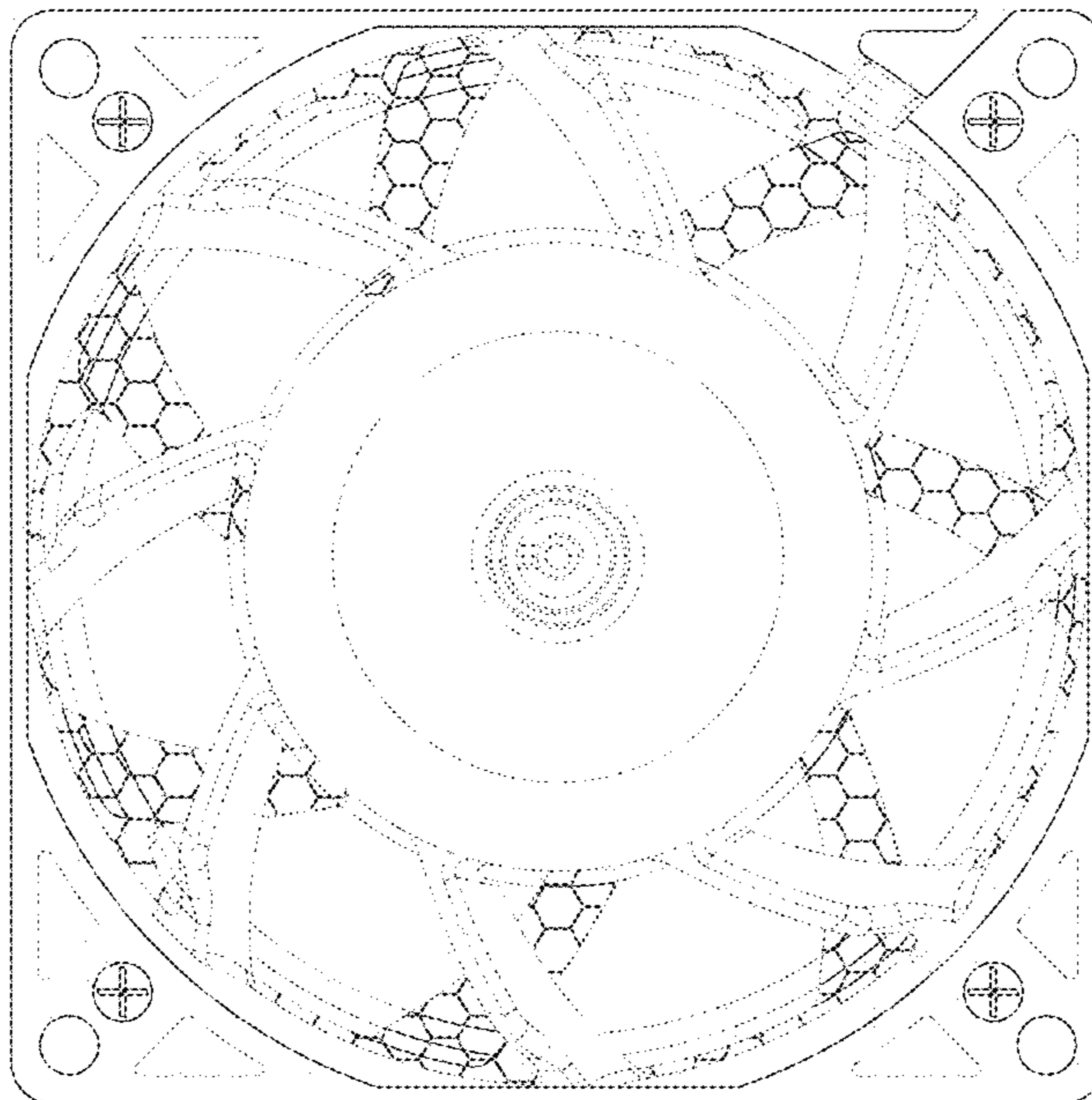


FIG. 44

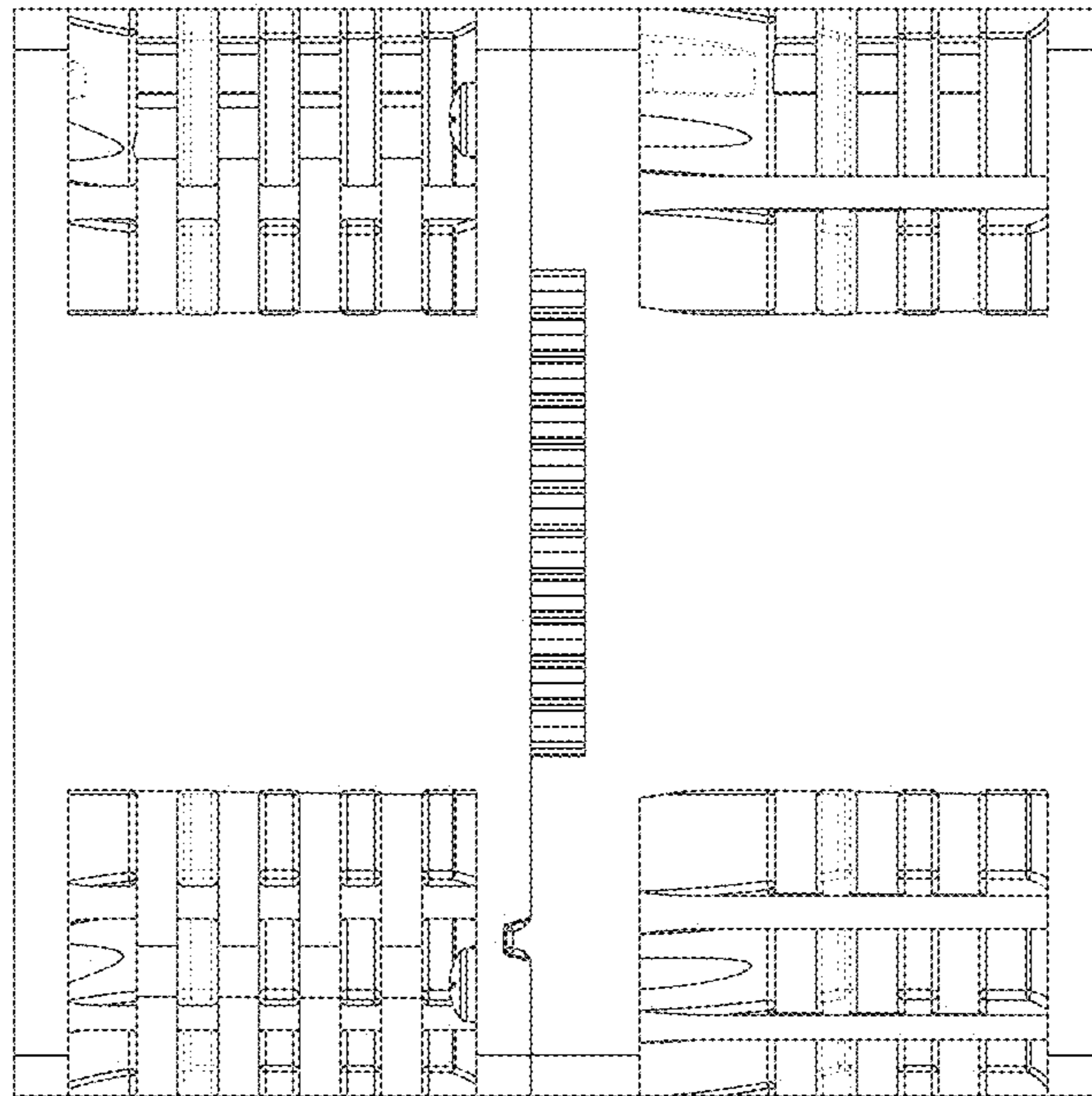


FIG. 45

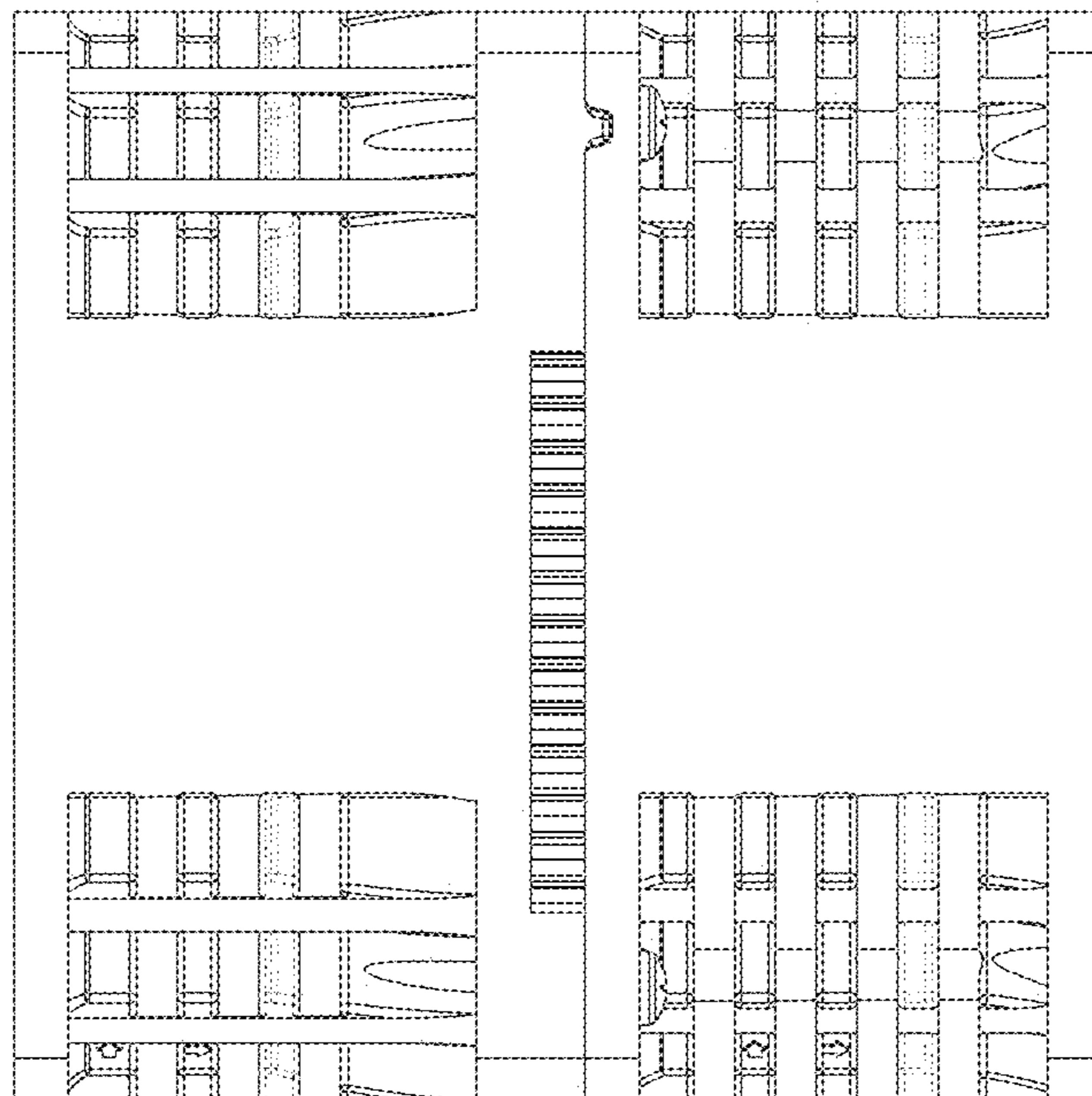


FIG. 46

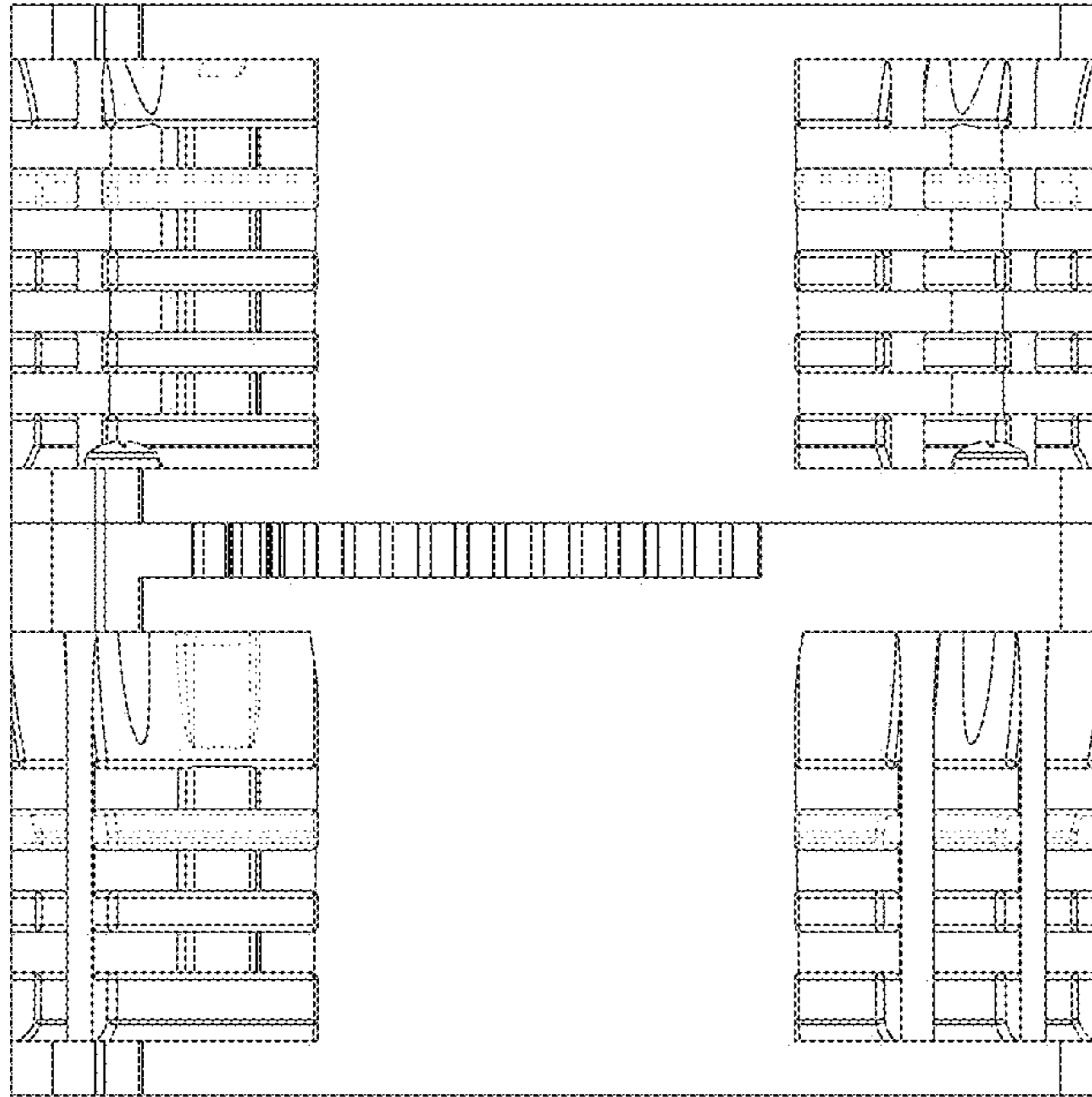


FIG. 47

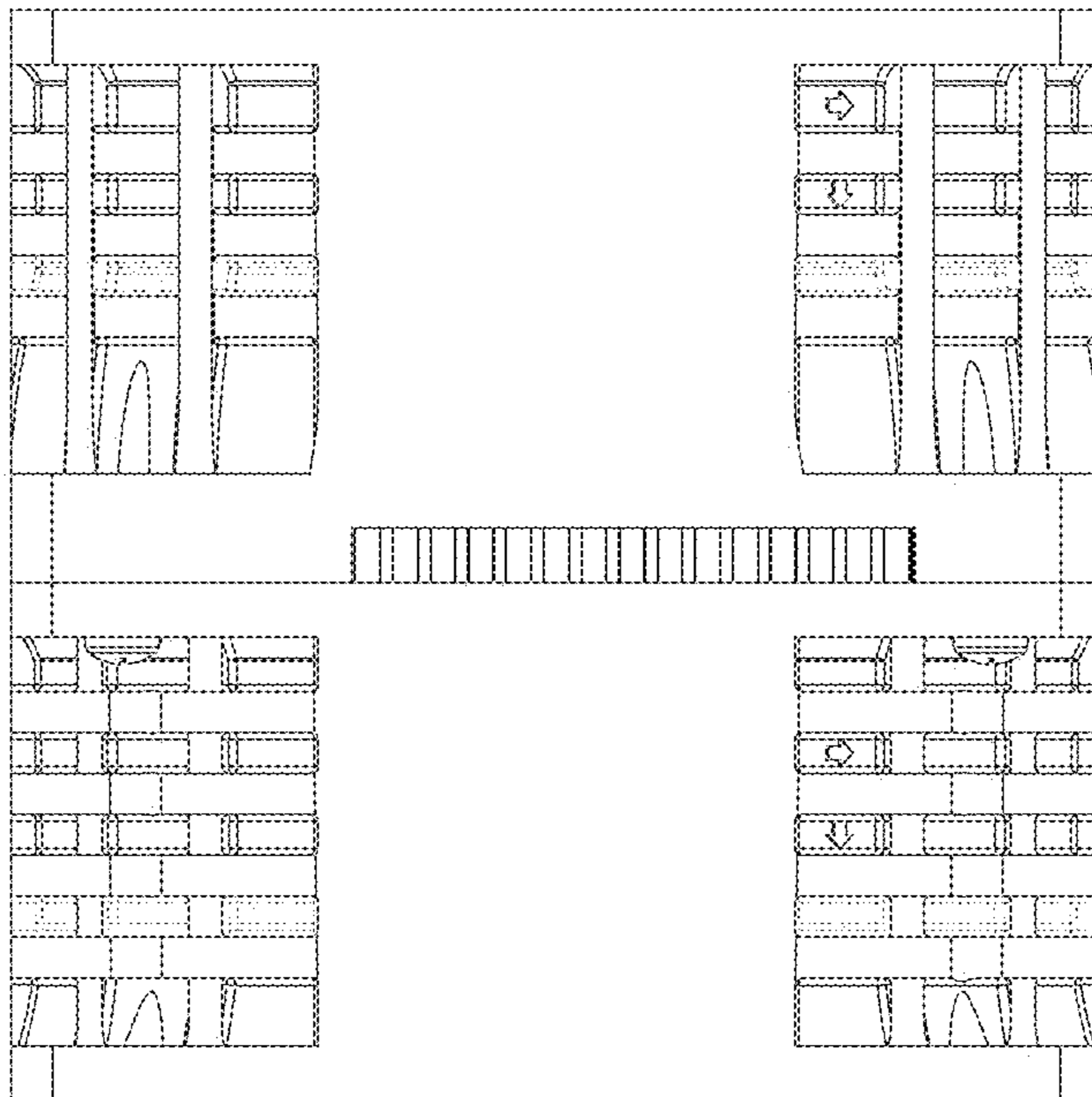


FIG. 48

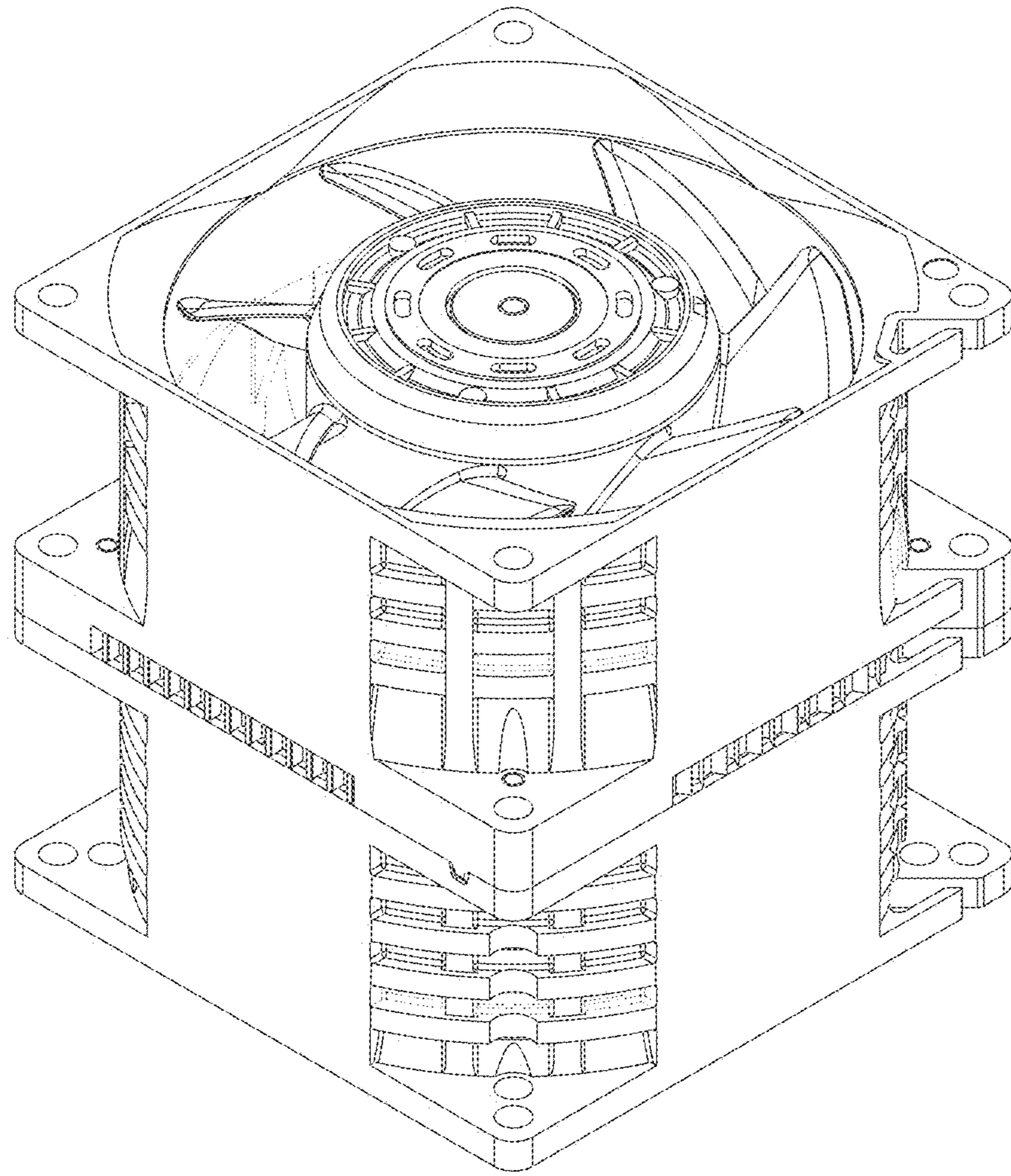


FIG. 49