



US00D884634S

(12) **United States Design Patent** (10) **Patent No.:** **US D884,634 S**
Kuwahara et al. (45) **Date of Patent:** **** May 19, 2020**

(54) **IMPELLER OF WATERWHEEL**
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(73) Assignee: **ELIS CO., LTD.**, Okayama (JP)

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

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(21) Appl. No.: **29/645,421**

JP D1514101 12/2014

(22) Filed: **Apr. 26, 2018**

* cited by examiner

(30) **Foreign Application Priority Data**

Primary Examiner — Derrick E Holland

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(51) **LOC (12) Cl.** **13-01**

(57) **CLAIM**

(52) **U.S. Cl.**

The ornamental design for an impeller of waterwheel, as shown and described.

USPC **D13/122**

(58) **Field of Classification Search**

DESCRIPTION

USPC D13/101, 102, 112, 113, 114, 115, 118,
D13/122, 173, 175, 184, 199; D15/5, 7,
D15/28; D23/379, 411; D10/59
CPC G09B 23/08; G09B 23/12; F03D 3/0409;
F03D 3/0427; F03D 3/005; F03D 3/067;
F03D 1/00; F03D 1/04; F03B 7/00; F03B
17/06; F03B 17/065; H02K 7/183
See application file for complete search history.

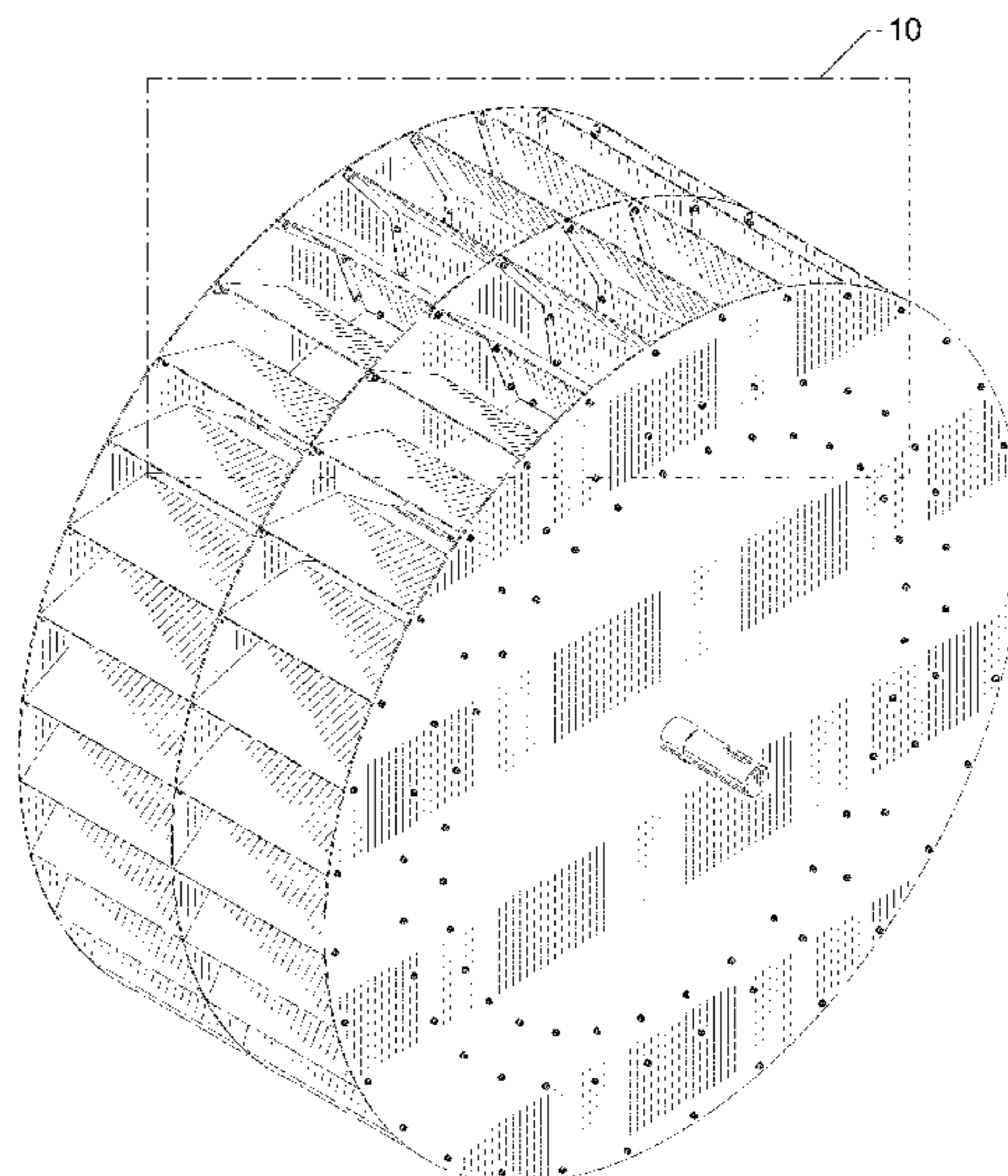
FIG. 1 is a front view of an impeller of waterwheel showing our new design;
FIG. 2 is a rear view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a cross-sectional view thereof taken along section line 7-7 of FIG. 1;
FIG. 8 is a cross-sectional view thereof taken along section line 8-8 of FIG. 5;
FIG. 9 is a perspective view thereof; and,
FIG. 10 is a partially enlarged perspective view of portion 10 of FIG. 9.
The dot-dash broken lines shown define the bounds of the claimed design and form no part thereof.

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1 Claim, 10 Drawing Sheets



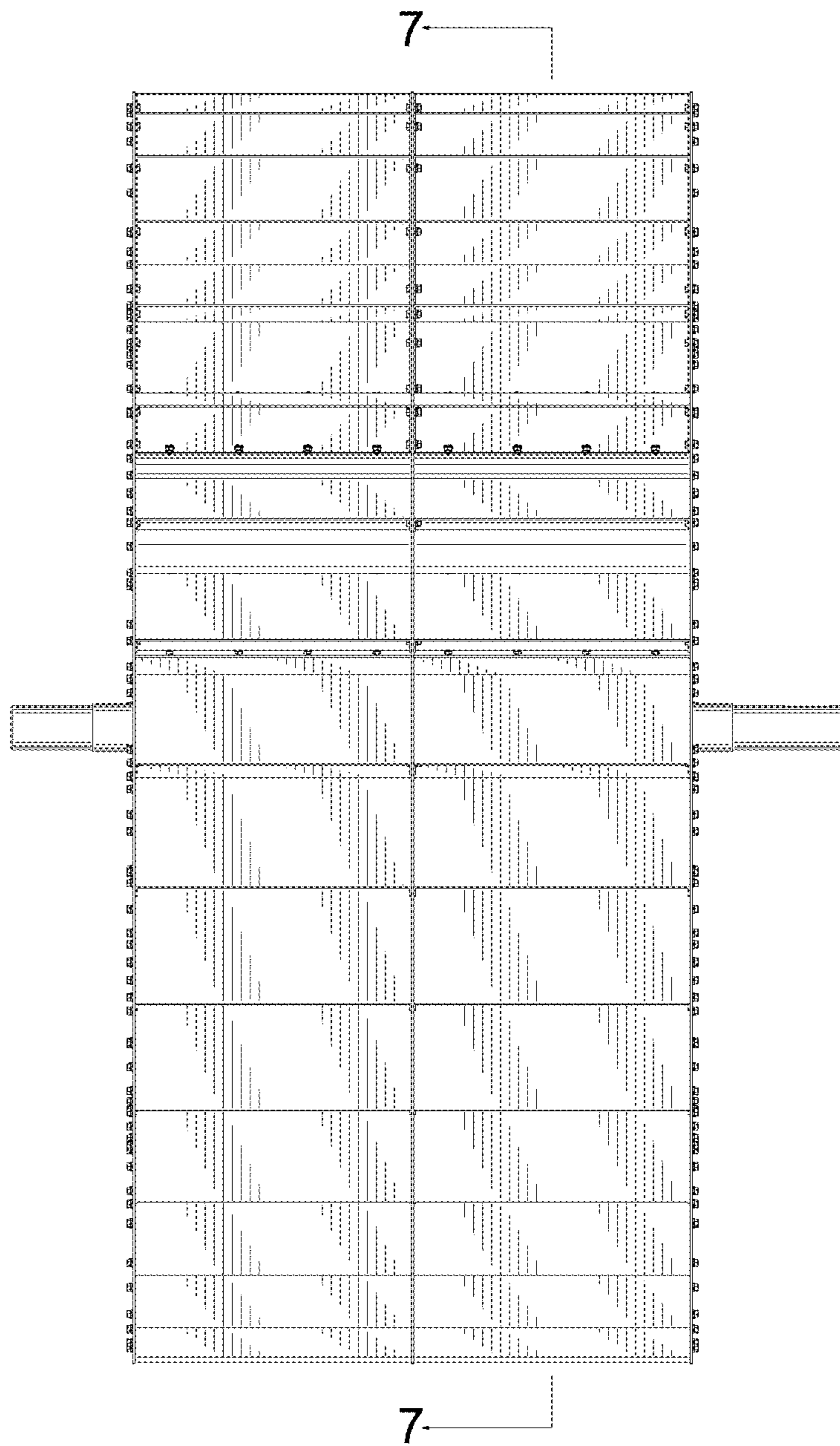


FIG. 1

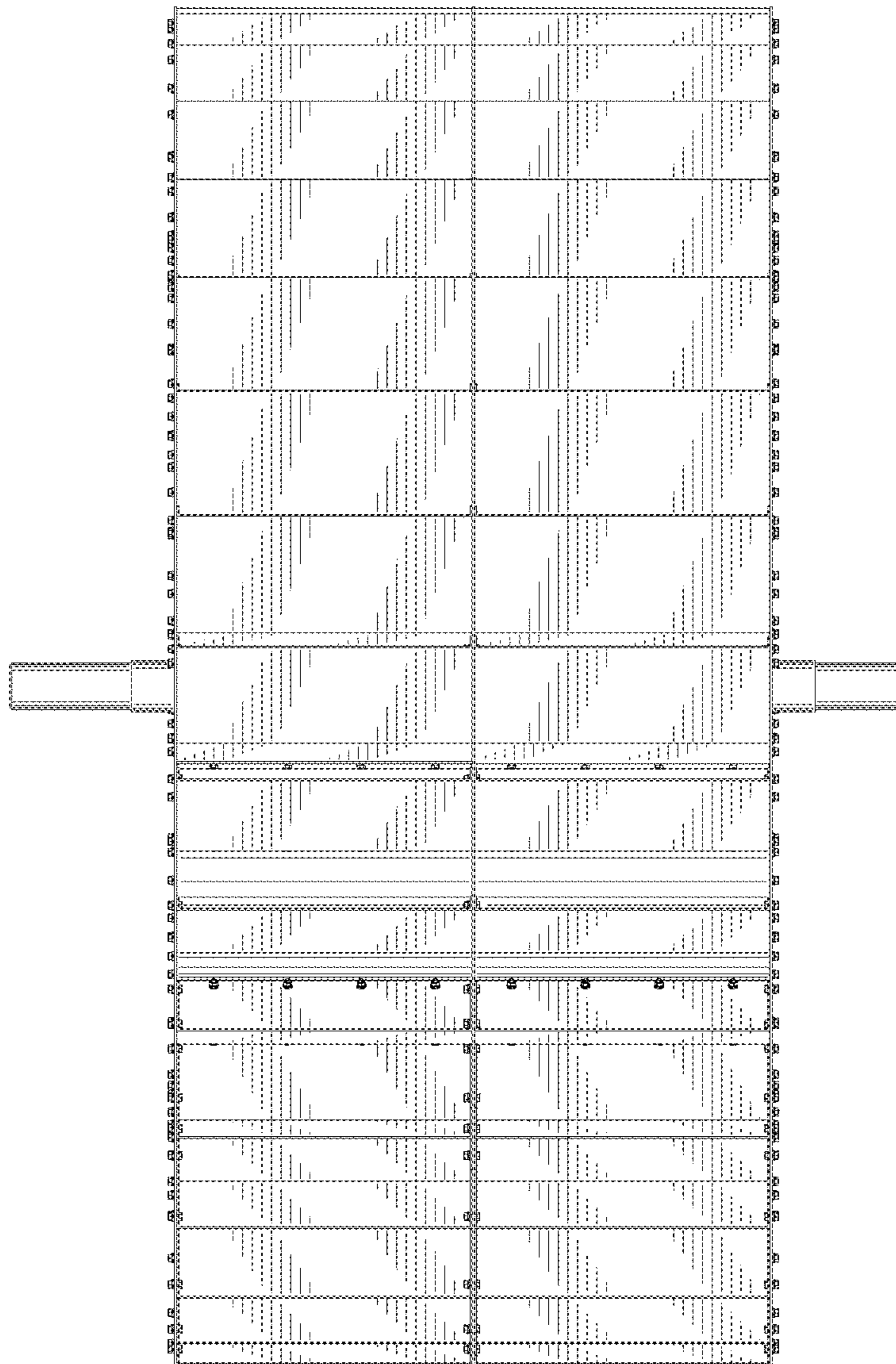


FIG. 2

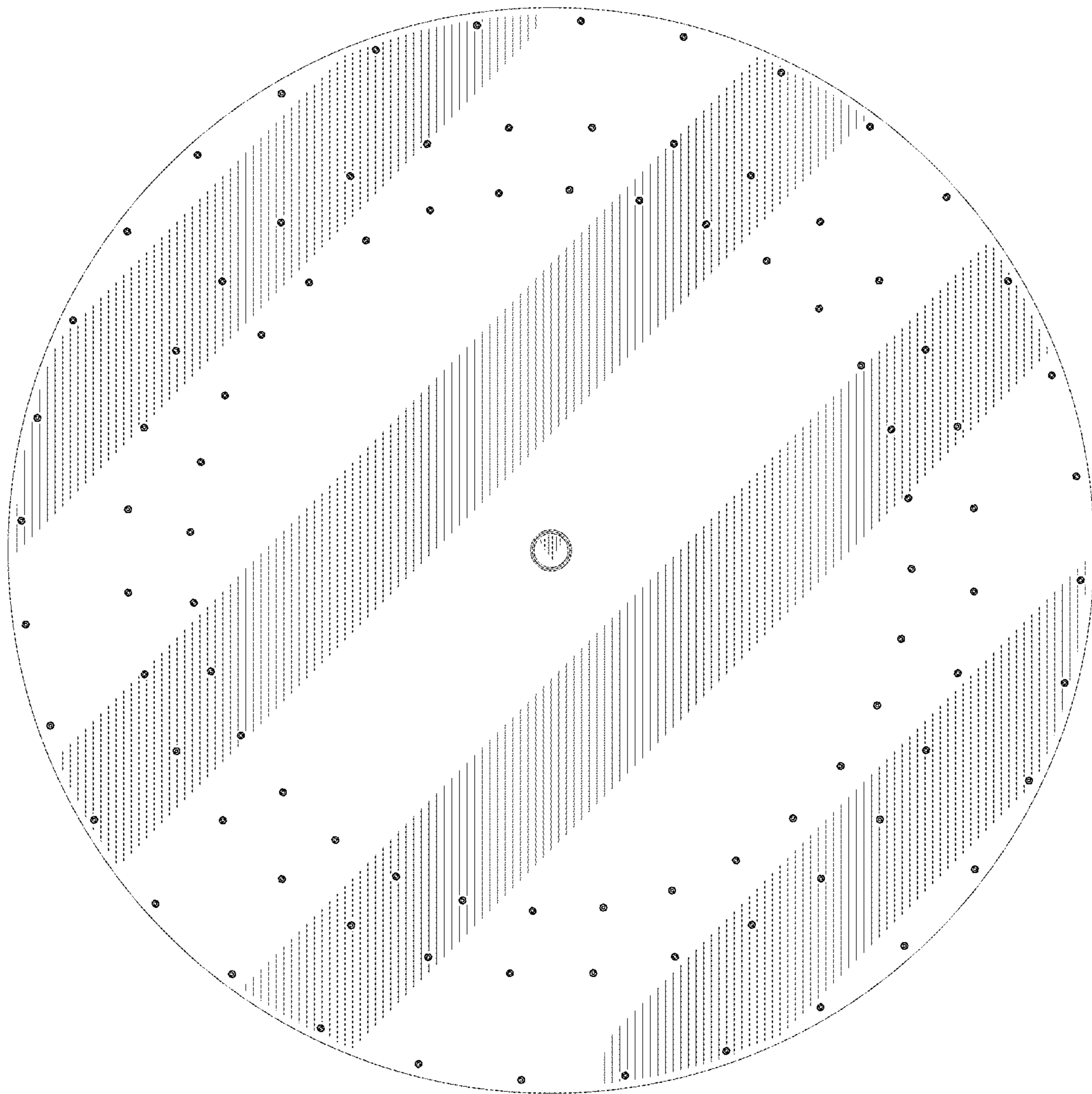


FIG. 3

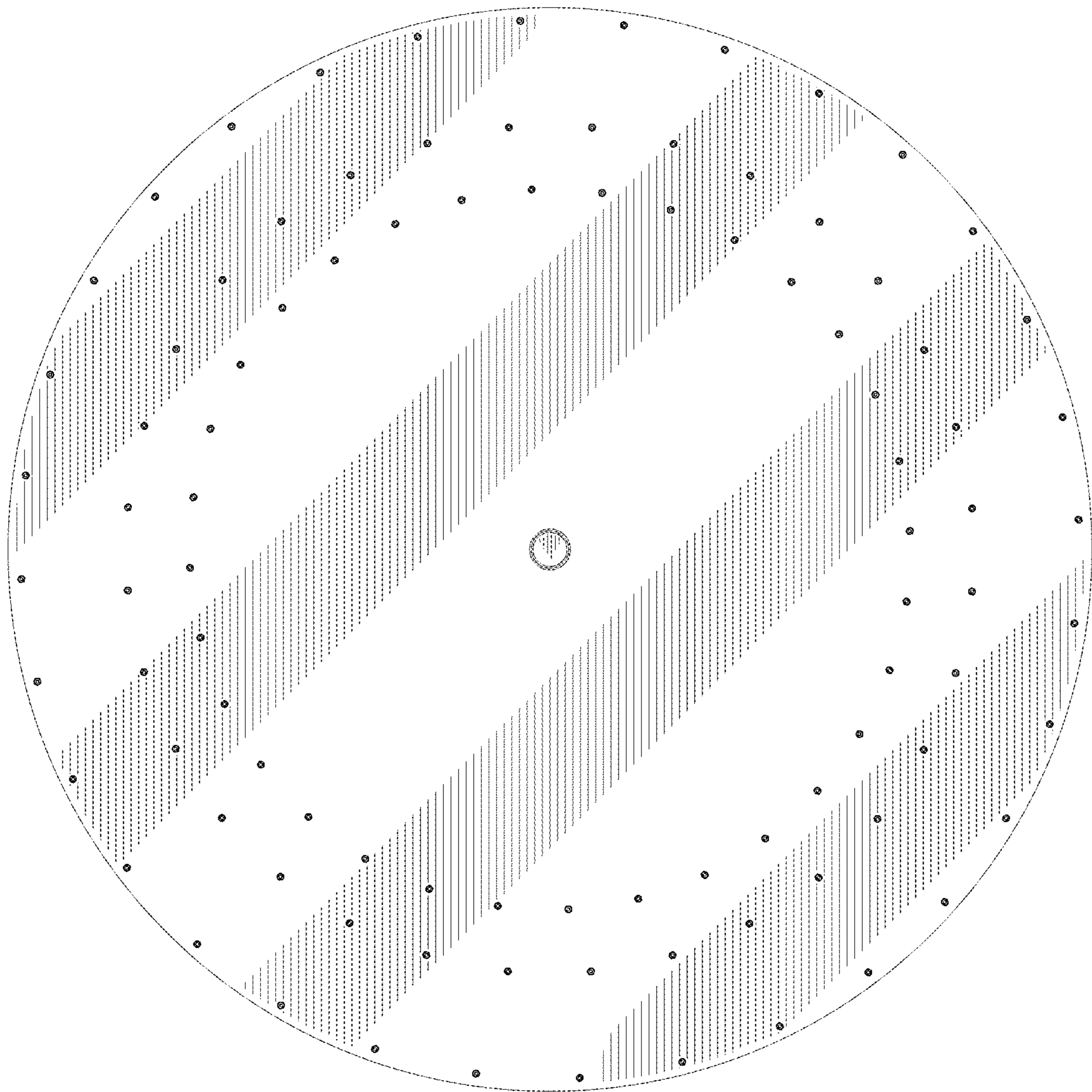


FIG. 4

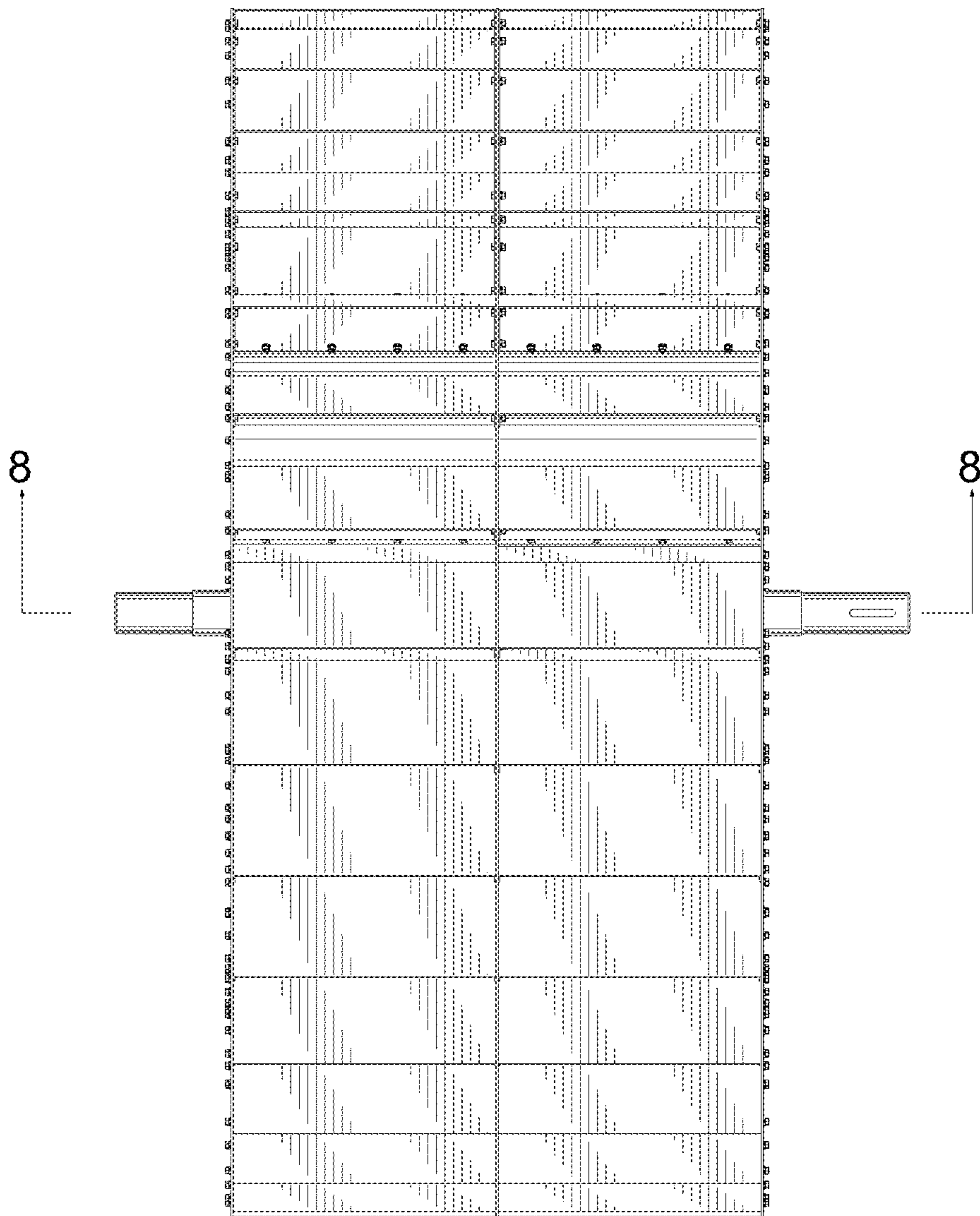


FIG. 5

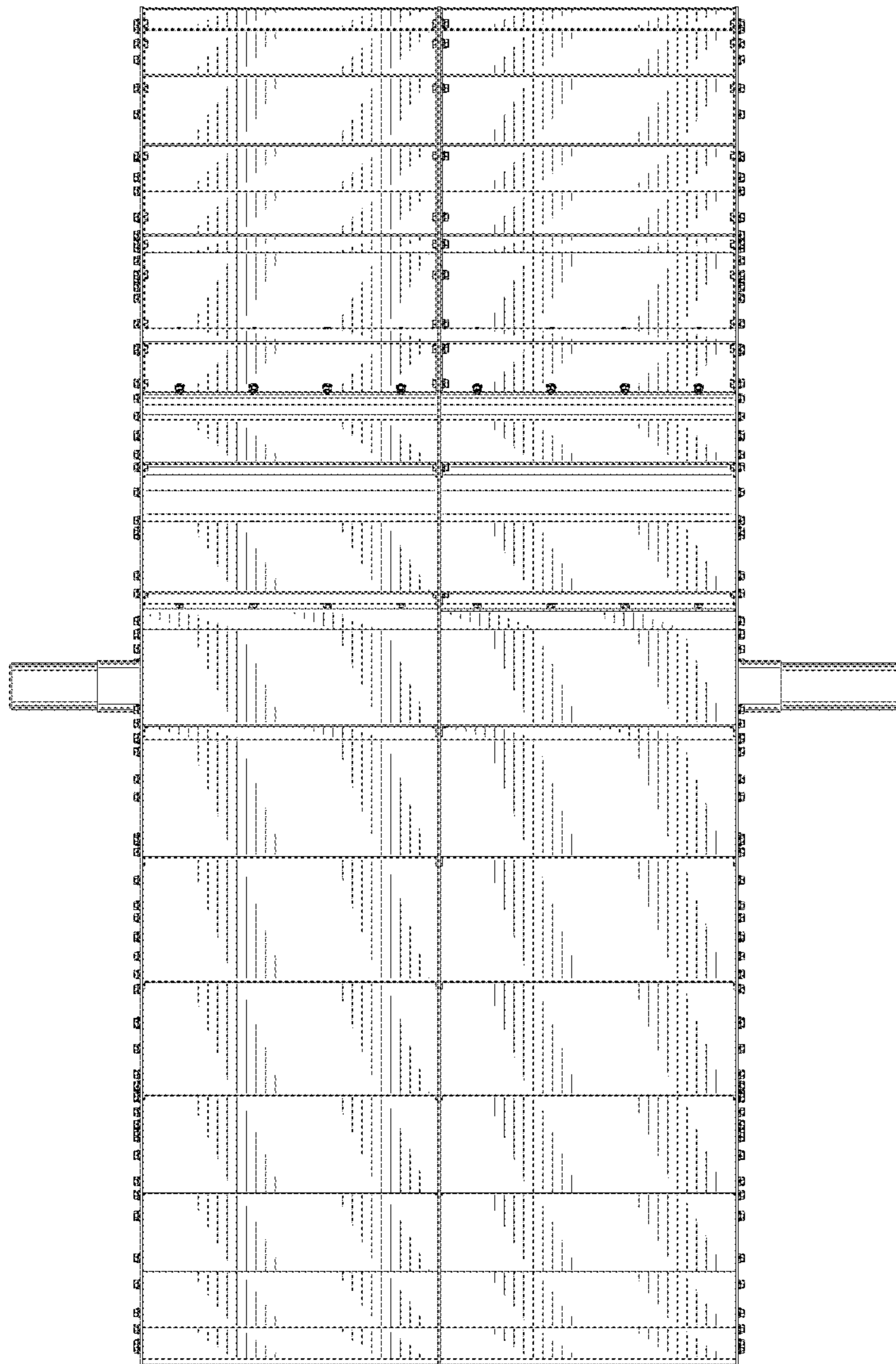


FIG. 6

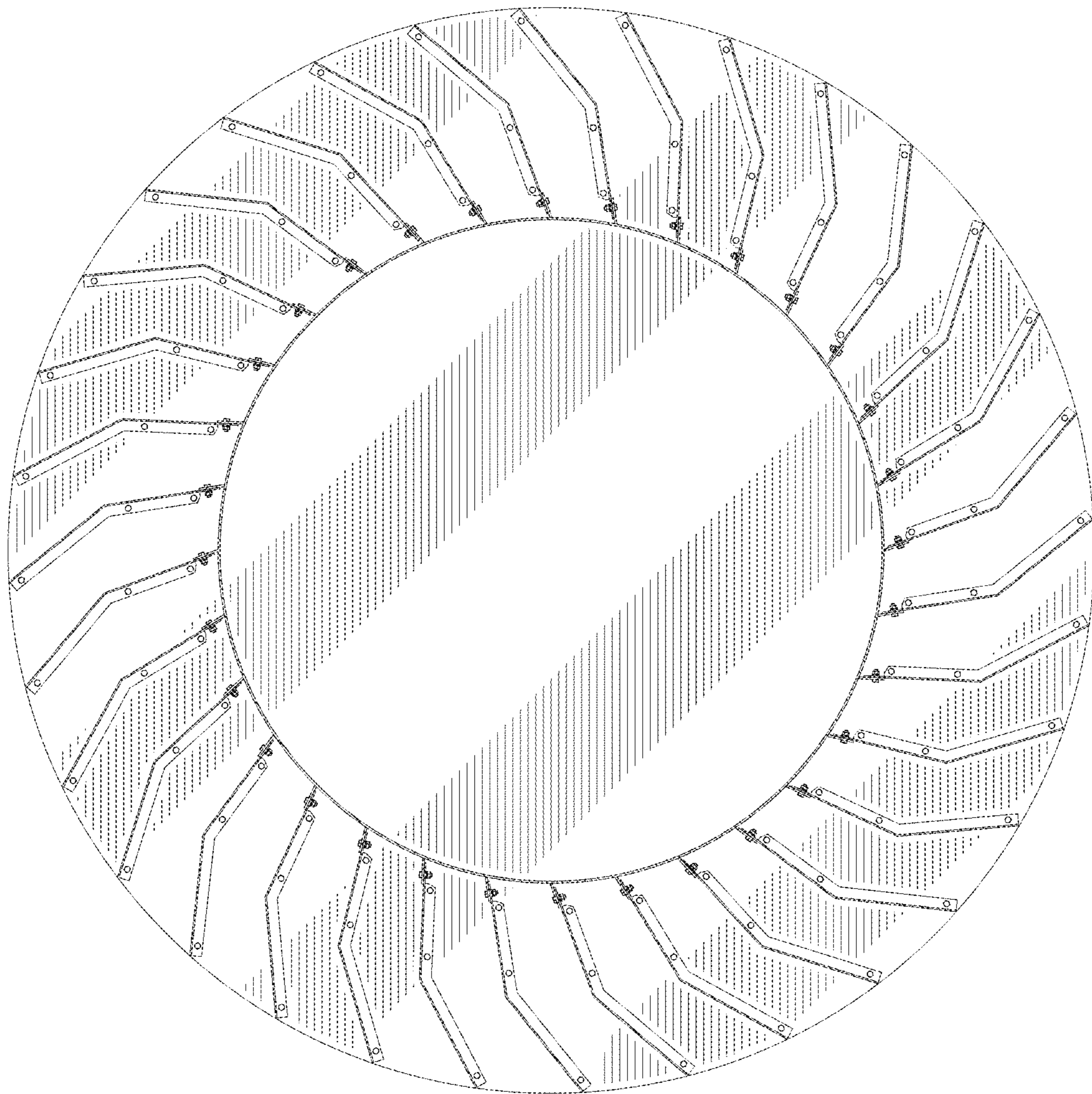


FIG. 7

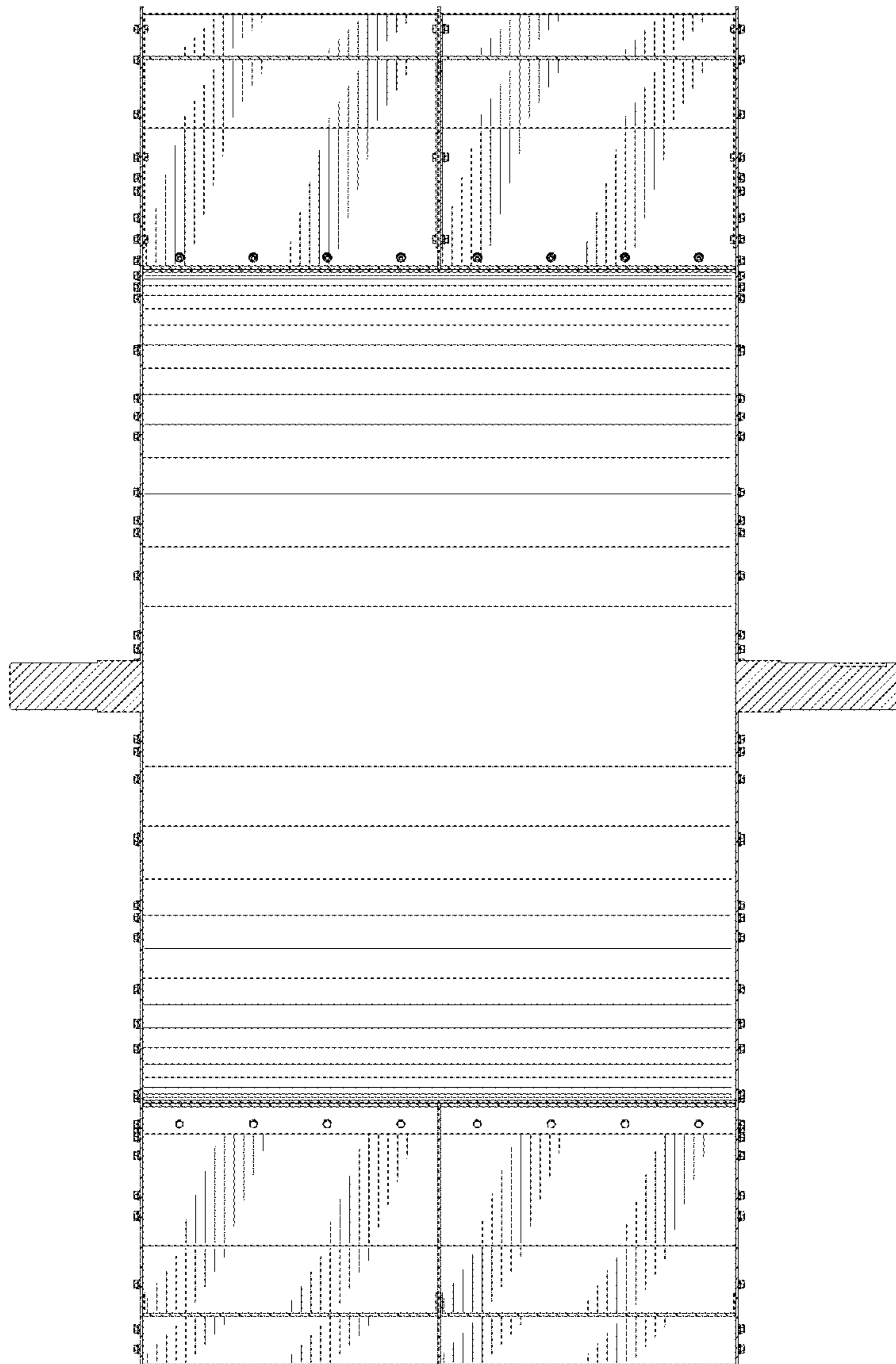


FIG. 8

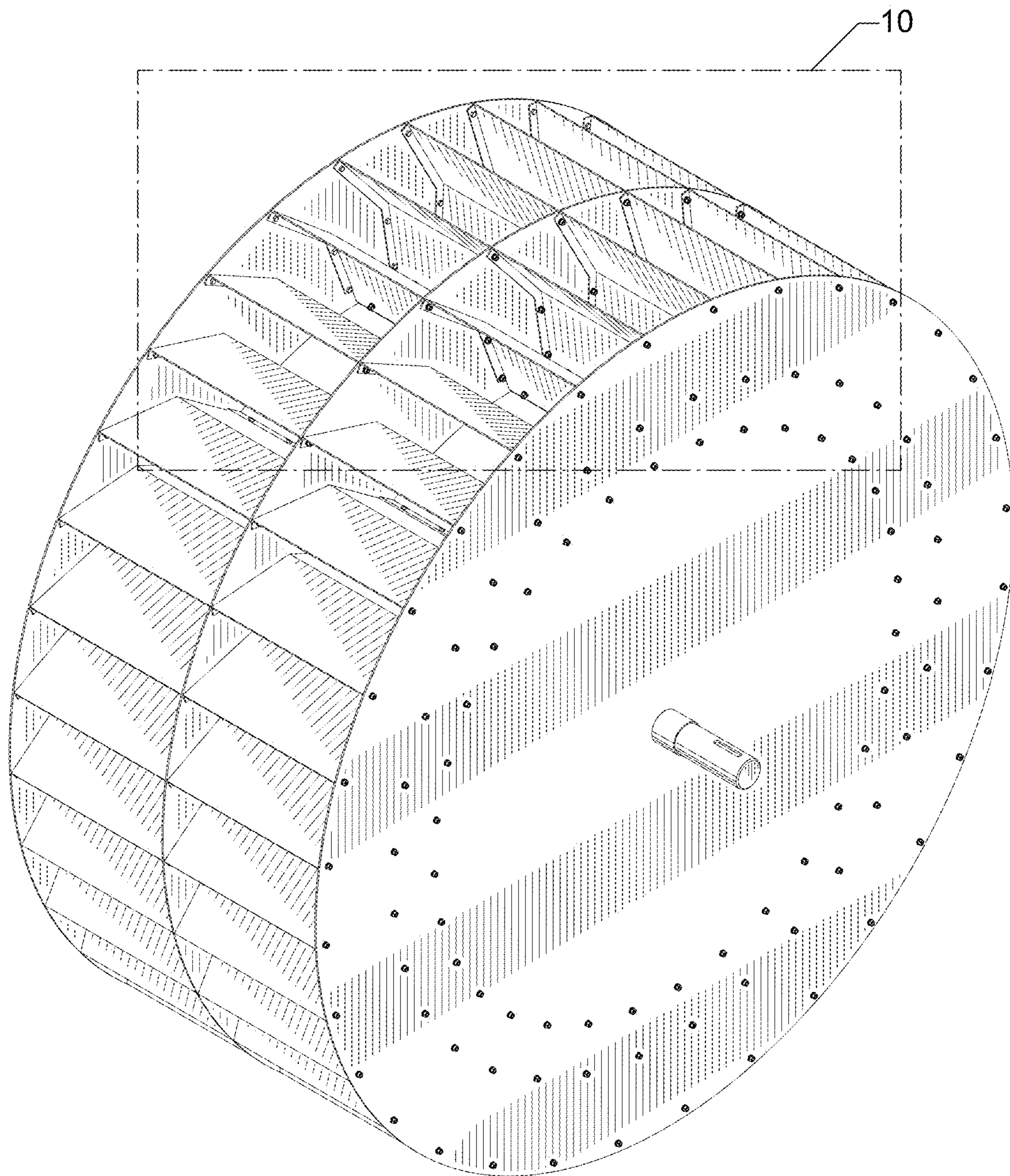


FIG. 9

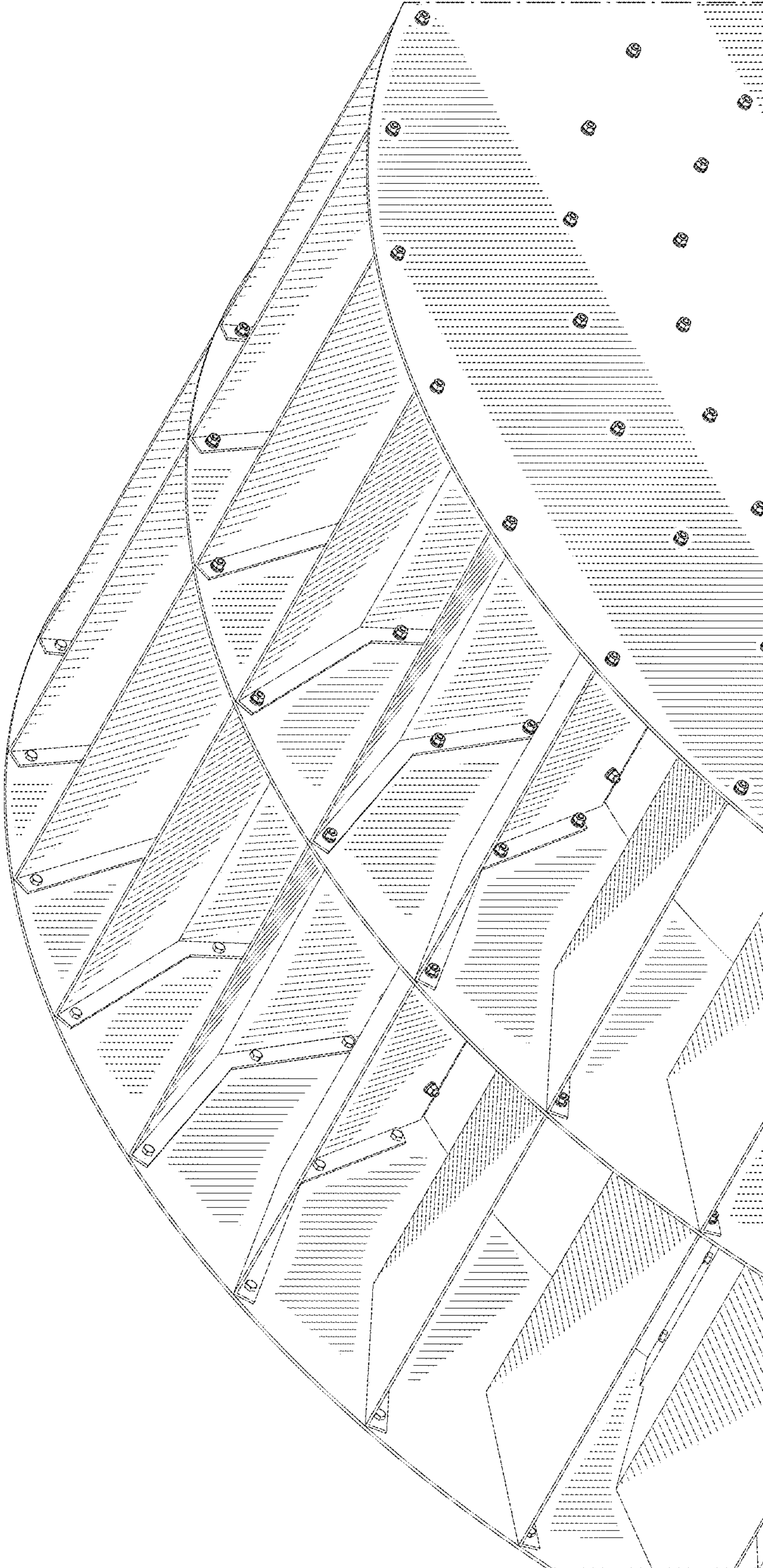


FIG. 10