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(12) **United States Design Patent** (10) **Patent No.:** **US D849,216 S**
Huan et al. (45) **Date of Patent:** **** May 21, 2019**

(54) **HEAT EXCHANGER**

7/06; F28D 7/10; F28D 2001/0266; B21D
53/02; F28B 1/06

See application file for complete search history.

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

(21) Appl. No.: **29/637,672**

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Related U.S. Application Data

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Foreign Application Priority Data

Jul. 5, 2016 (CN) 2016 3 0303271

(57) **CLAIM**

The ornamental design for a heat exchanger, substantially as
shown and described.

(51) **LOC (11) Cl.** **23-03**

DESCRIPTION

(52) **U.S. Cl.**
USPC **D23/323**

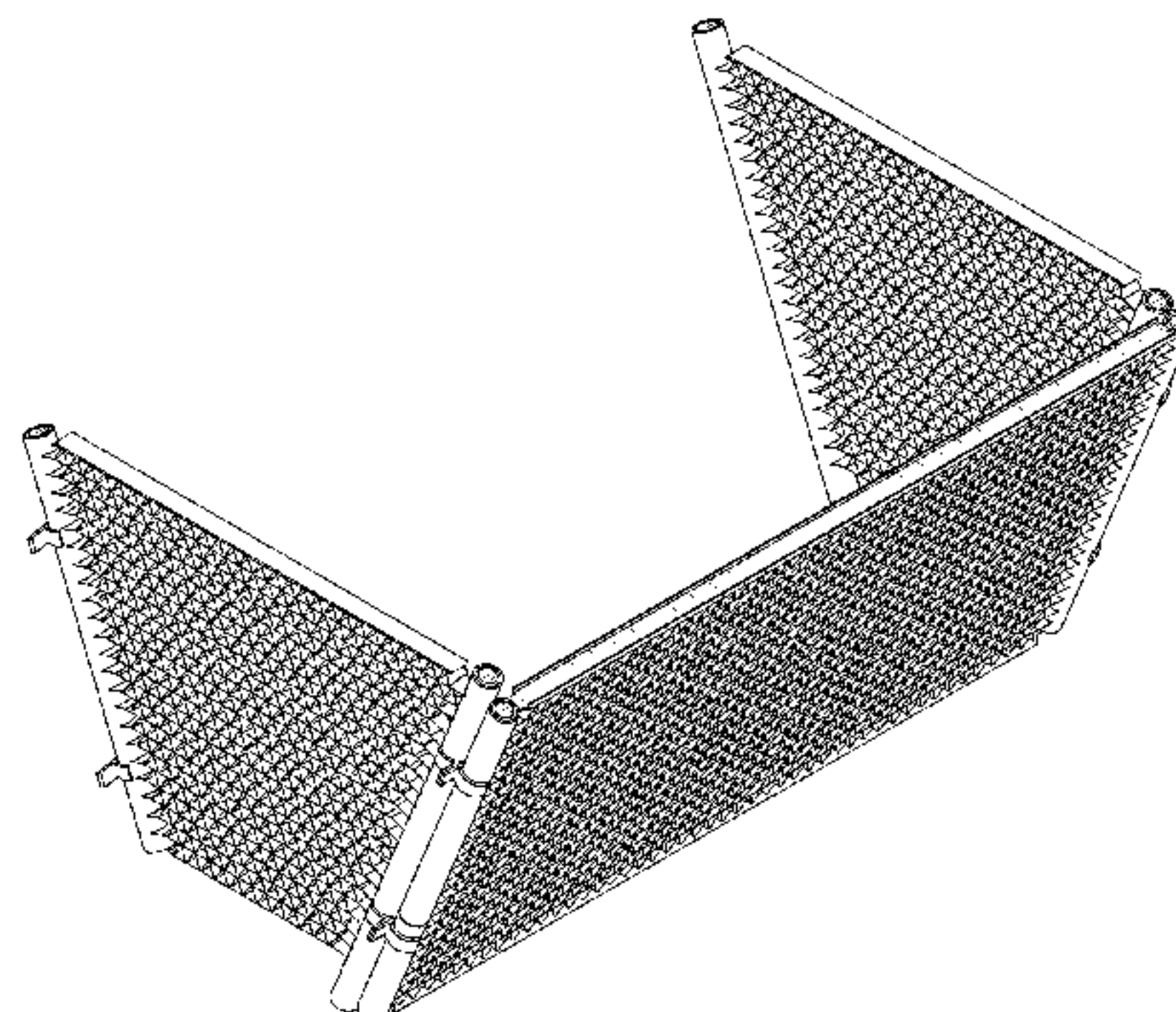
FIG. 1 is a front, left side and top perspective view of a heat
exchanger comprising a new, original and ornamental
design;

(58) **Field of Classification Search**
USPC D23/323, 322, 324, 325, 326, 327, 330,
D23/386, 352, 354, 449; D7/407;
D13/179

FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

CPC F28F 1/06; F28F 1/16; F28F 1/21; F28F
9/02; F28D 1/047; F28D 13/12; F28D

(Continued)



The broken lines show portions of the heat exchanger, that form no part of the claimed design.

1 Claim, 7 Drawing Sheets

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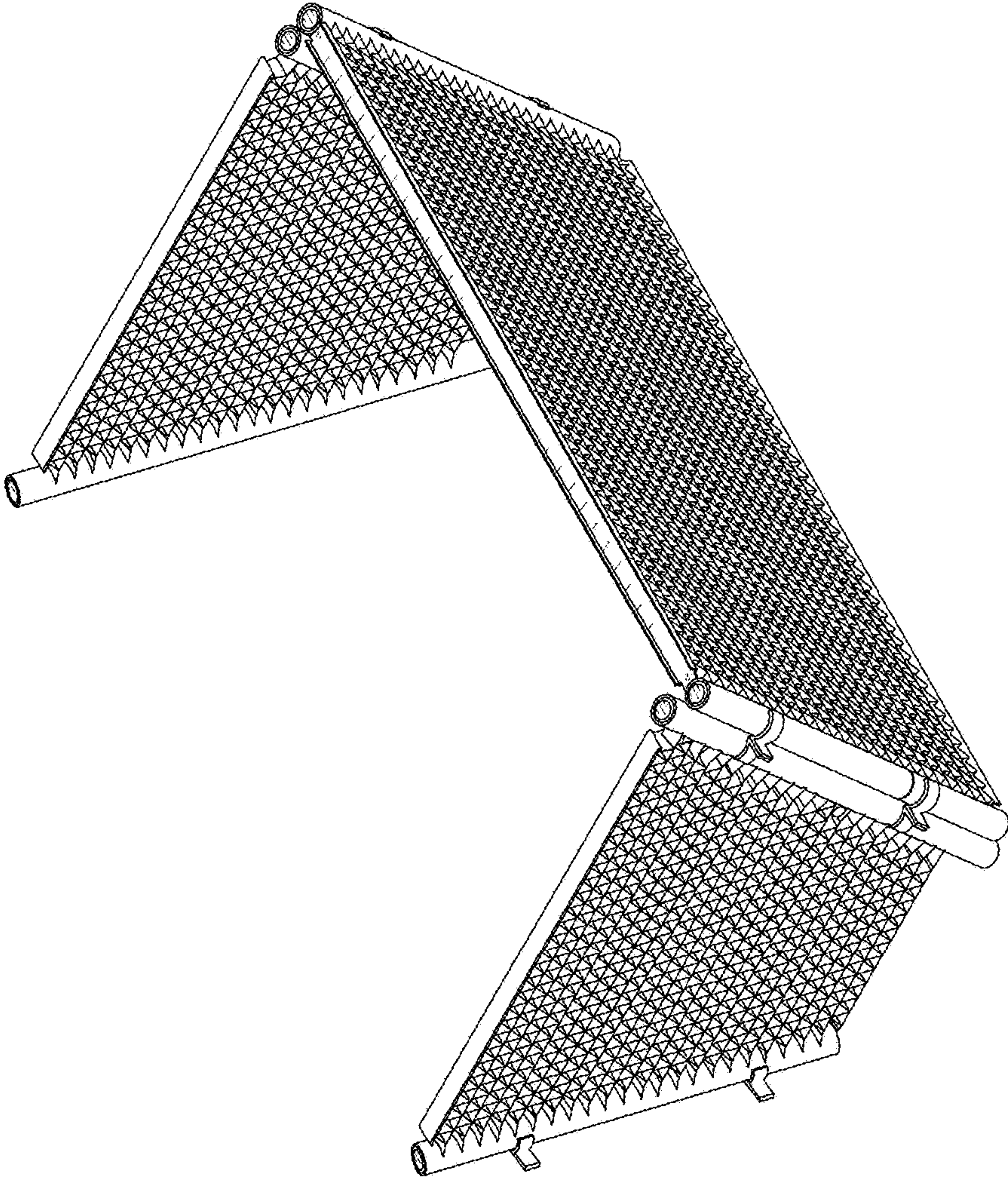


FIG. 1

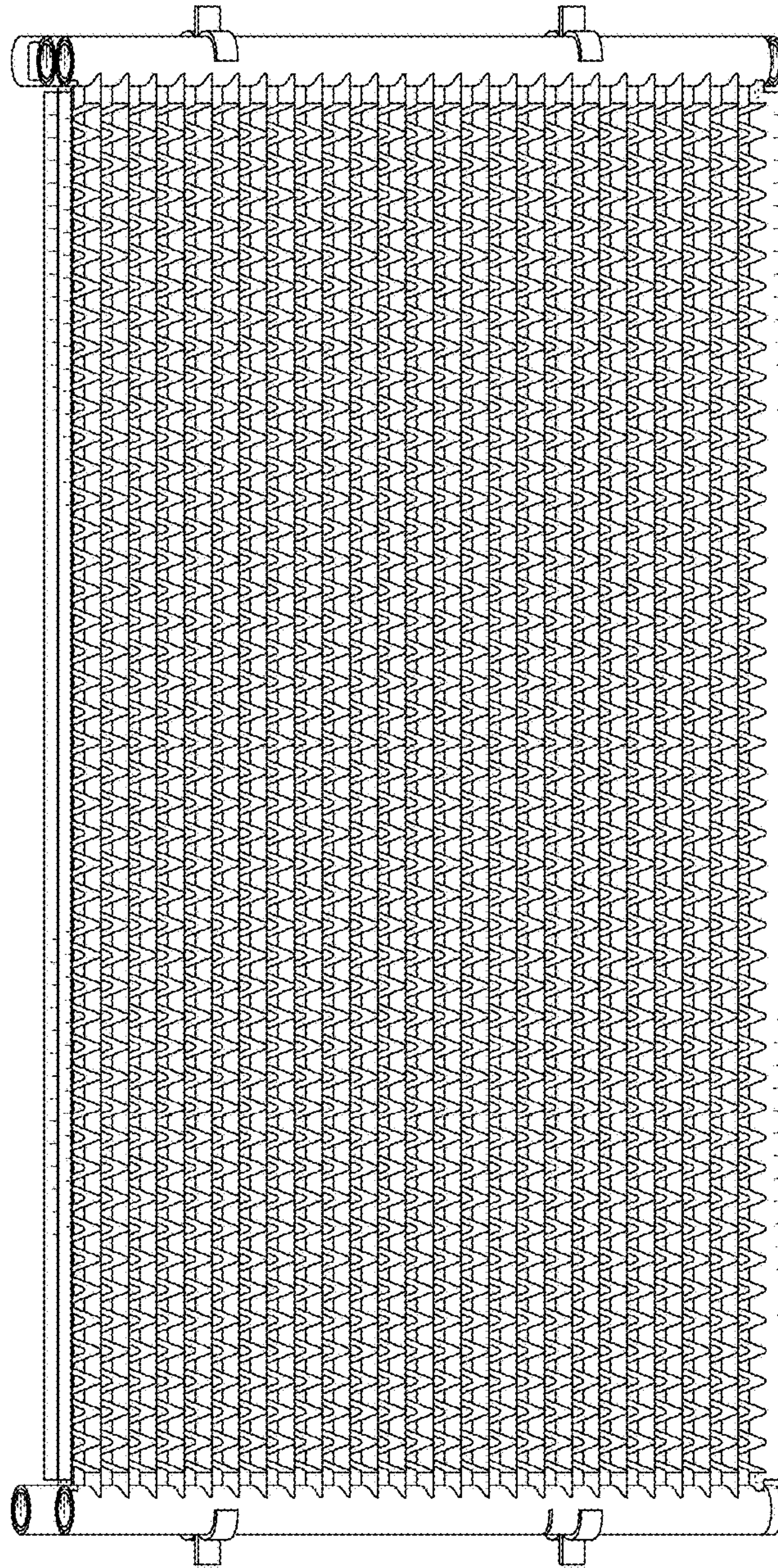


FIG. 2

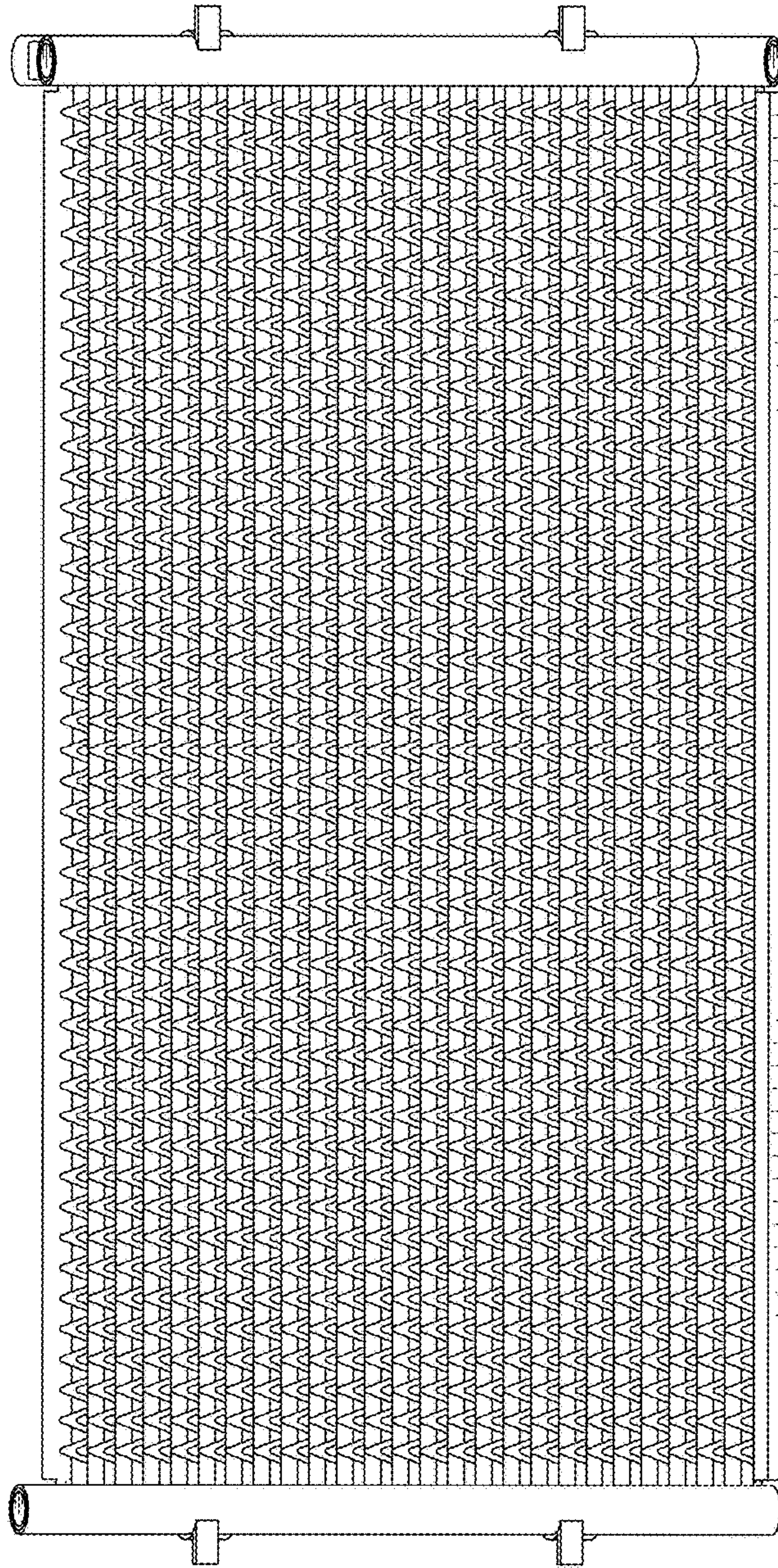


FIG. 3

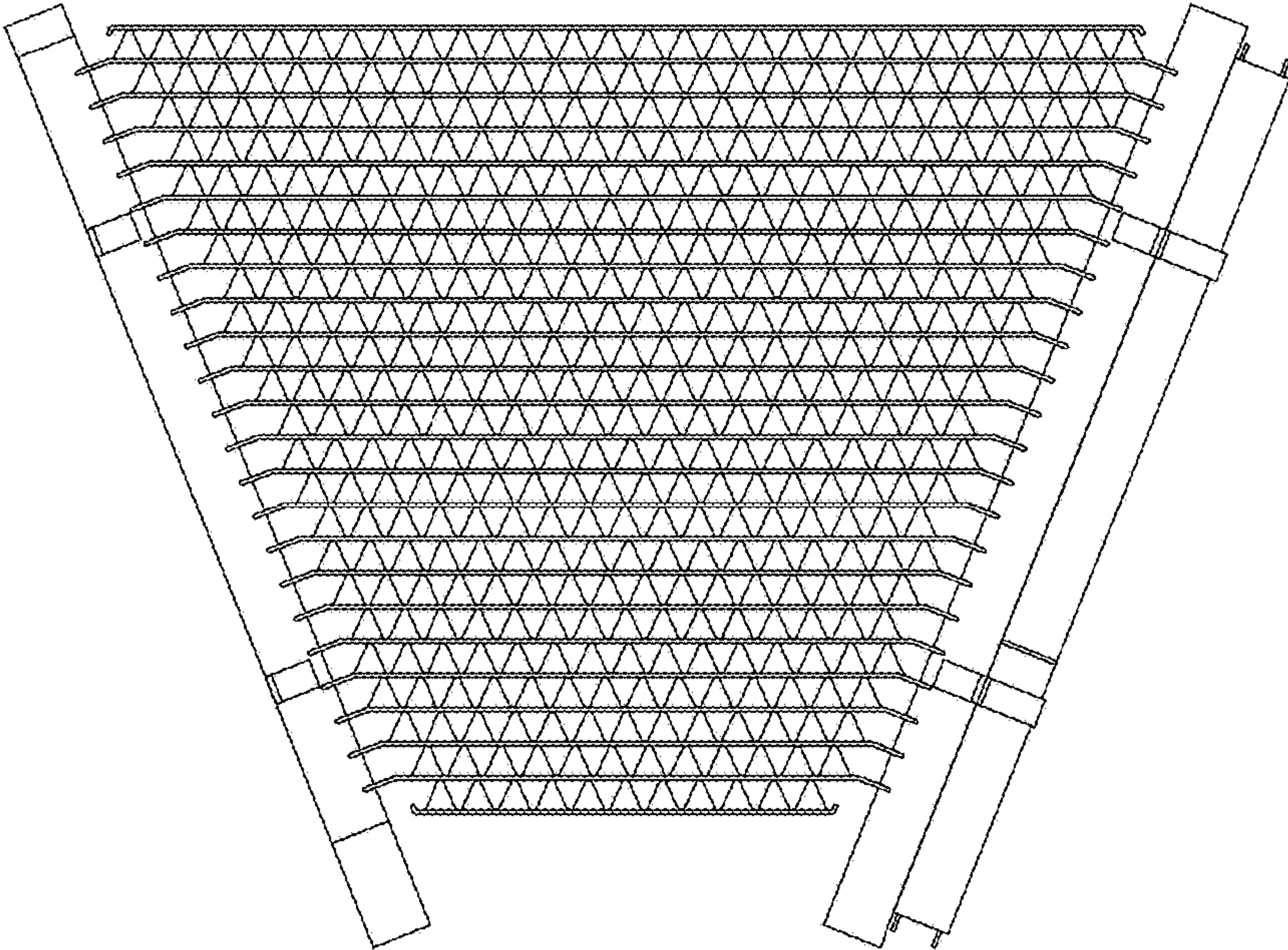


FIG. 4

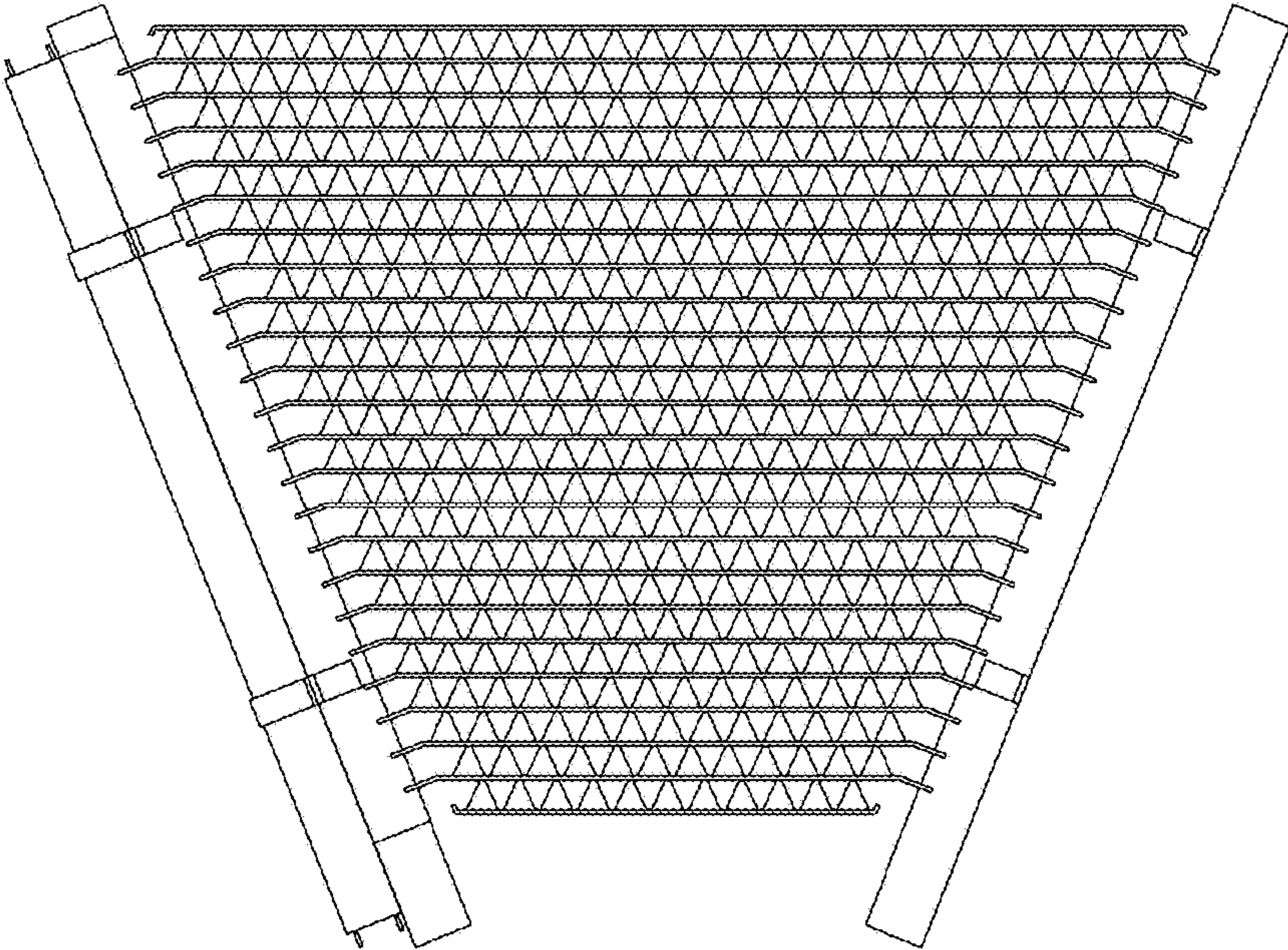


FIG. 5

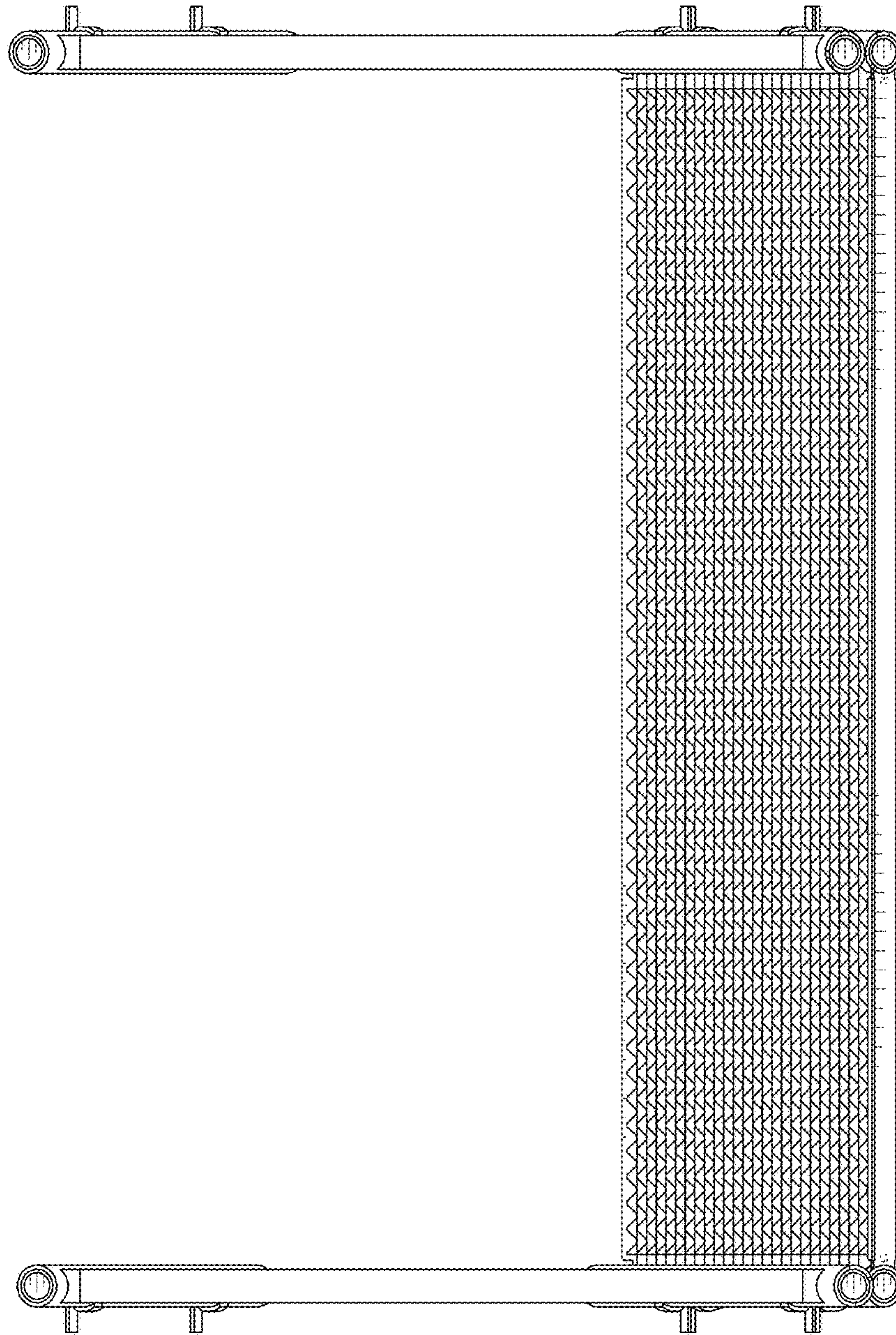


FIG. 6

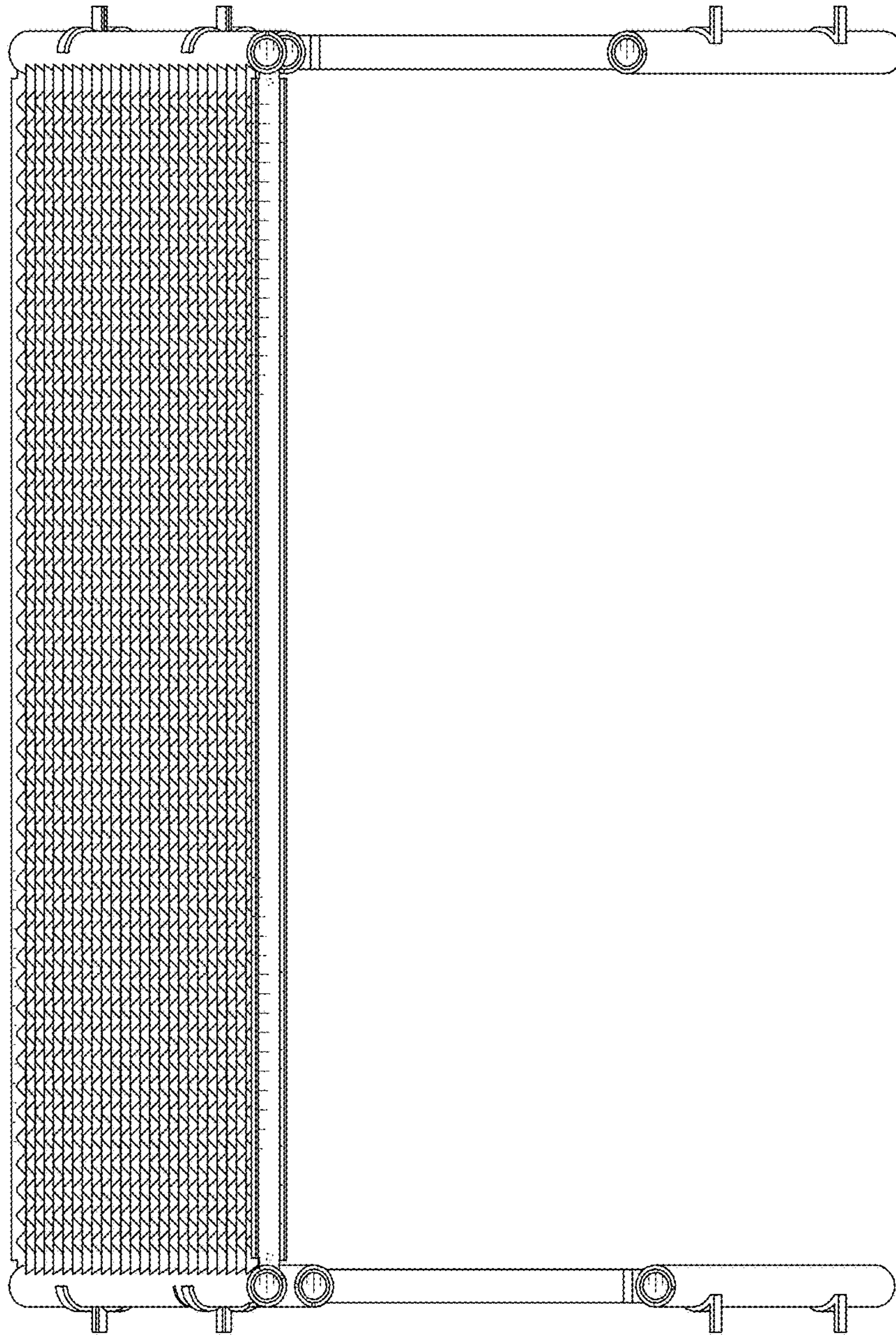


FIG. 7