

US00D962799S

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

(10) **Patent No.:** **US D962,799 S**
(45) **Date of Patent:** **** Sep. 6, 2022**

(54) **PHASED-ARRAY RADAR**

(71) Applicant: **China Meteorological Administration Meteorological Observation Centre, Beijing (CN)**

(72) Inventors: **Yuchun Gao, Beijing (CN); Chen Li, Beijing (CN); Yubao Chen, Beijing (CN); Yingchun Chen, Beijing (CN); Changxing Li, Beijing (CN); Hu Chen, Beijing (CN); Xiaopeng Wang, Beijing (CN); Jianbing Lu, Beijing (CN); Xu Han, Beijing (CN); Zhichao Bu, Beijing (CN); Haihe Liang, Beijing (CN); Nan Shao, Beijing (CN)**

(73) Assignee: **China Meteorological Administration Meteorological Observation Center, Beijing (CN)**

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

(21) Appl. No.: **29/760,478**

(22) Filed: **Dec. 1, 2020**

(30) **Foreign Application Priority Data**

Jun. 11, 2020 (CN) 202030294792.4

(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/70**

(58) **Field of Classification Search**
USPC D10/46, 70
CPC G01S 7/03; G01S 7/0232; G01S 7/023; G01S 7/2813; G01S 7/2925; G01S 7/2926; G01S 7/032; G01S 13/426; G01S 13/87; G01S 13/723; G01S 13/42; G01S 2013/0245; G01S 2013/0229; G01S 2013/0254; G01S 2007/027; G01S 2007/028; G01S 2007/032; G01S 7/481; G01S 7/4811; G01S 7/4812; G01S

7/4813; G01S 7/4814; G01S 7/4815; G01S 7/4816; G01S 7/4817; G01S 7/4818; G01S 7/52079; G01S 7/521; G01S 7/523; G01S 7/524; G01S 7/526; G01S 13/91; G01S 13/92; G01S 13/93; G01S 13/931; G01S 7/022; G01S 3/04; G01S 3/043; G01S

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,365,703 B2 * 4/2008 Nasvall H01Q 15/20
343/912
8,686,896 B2 * 4/2014 Schuman G01S 7/4026
342/368
9,696,419 B2 * 7/2017 Mitchell G01S 13/66
(Continued)

FOREIGN PATENT DOCUMENTS

CN 111740207 A * 10/2020

Primary Examiner — Antoine Duval Davis

(74) *Attorney, Agent, or Firm* — Avek IP, LLC

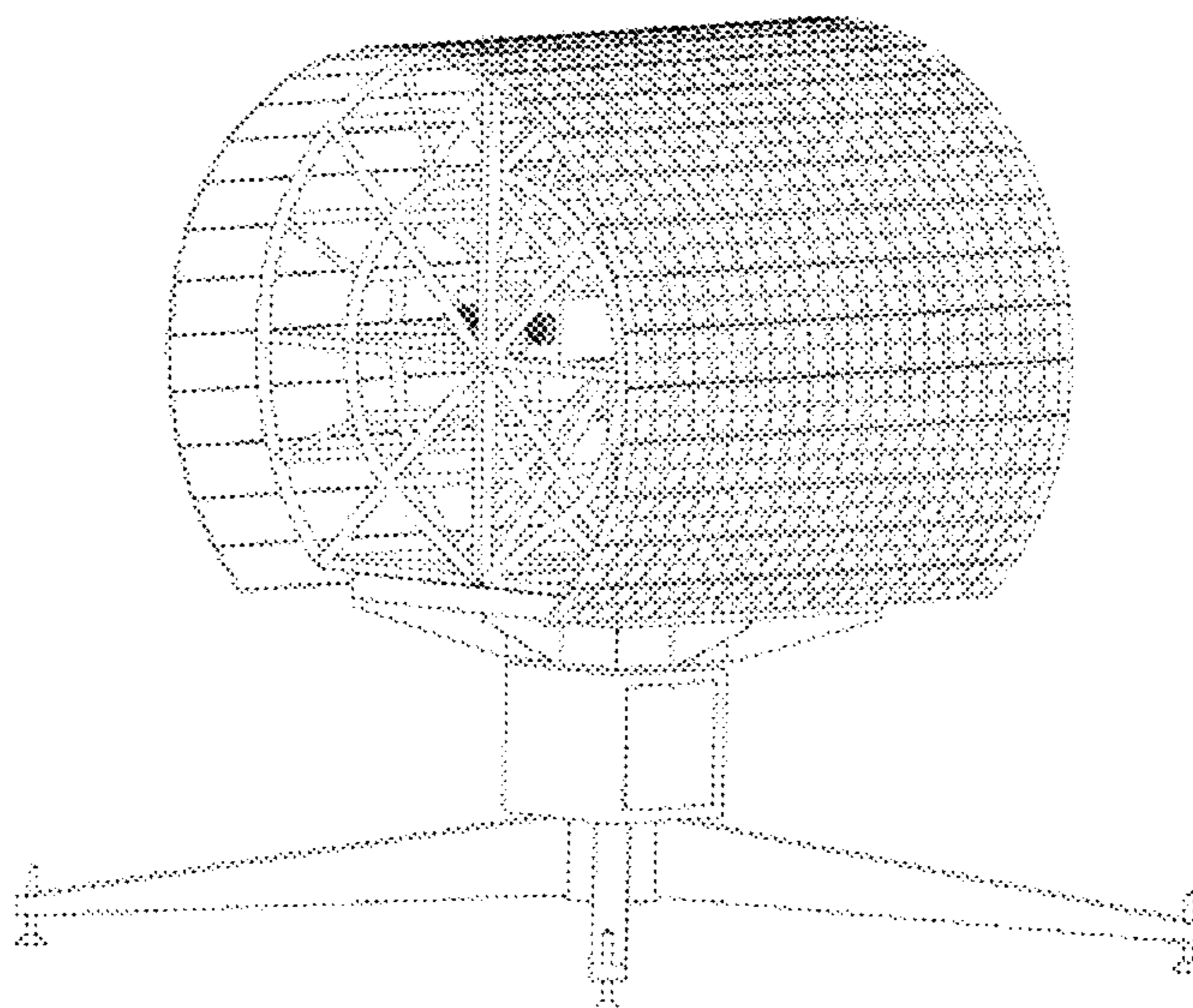
(57) **CLAIM**

The ornamental design for a phased-array radar, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a phased-array radar showing the new design.
FIG. 2 is a front view of the phased-array radar of FIG. 1.
FIG. 3 is a rear view of the phased-array radar of FIG. 1.
FIG. 4 is a side view of the phased-array radar of FIG. 1.
FIG. 5 is an opposite side view of the phased-array radar of FIG. 1.
FIG. 6 is a top view of the phased-array radar of FIG. 1; and, FIG. 7 is a bottom view of the phased-array radar of FIG. 1.

1 Claim, 7 Drawing Sheets



(58) **Field of Classification Search**

CPC 3/046; G01S 3/781; G01S 3/80; G01S
3/801; G01S 3/0205

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

10,050,330 B2 * 8/2018 McAllister G06K 17/00
10,069,214 B1 * 9/2018 Hooper H01Q 21/205
2017/0025736 A1 * 1/2017 McAllister G06K 7/015

* cited by examiner

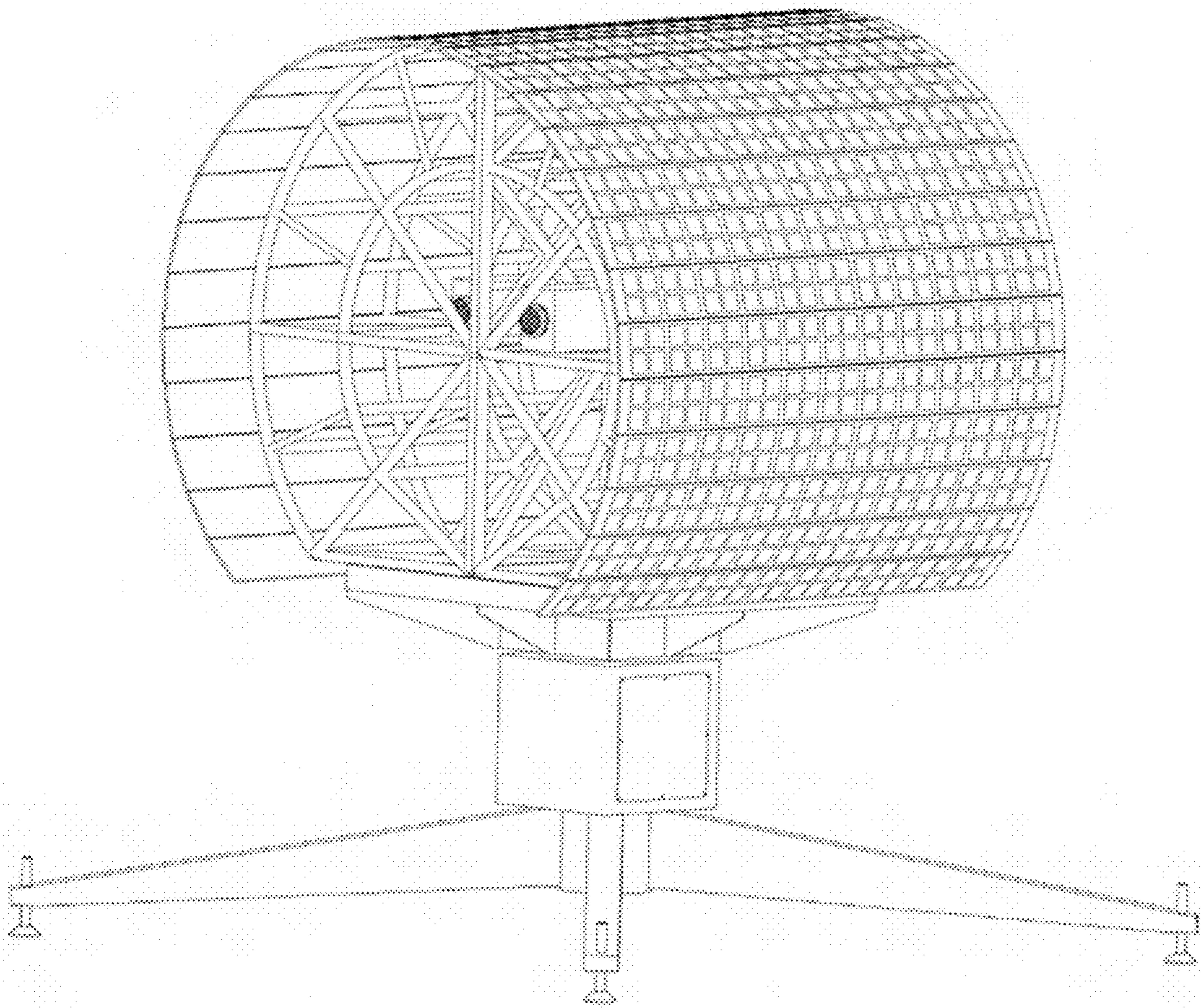


FIG. 1

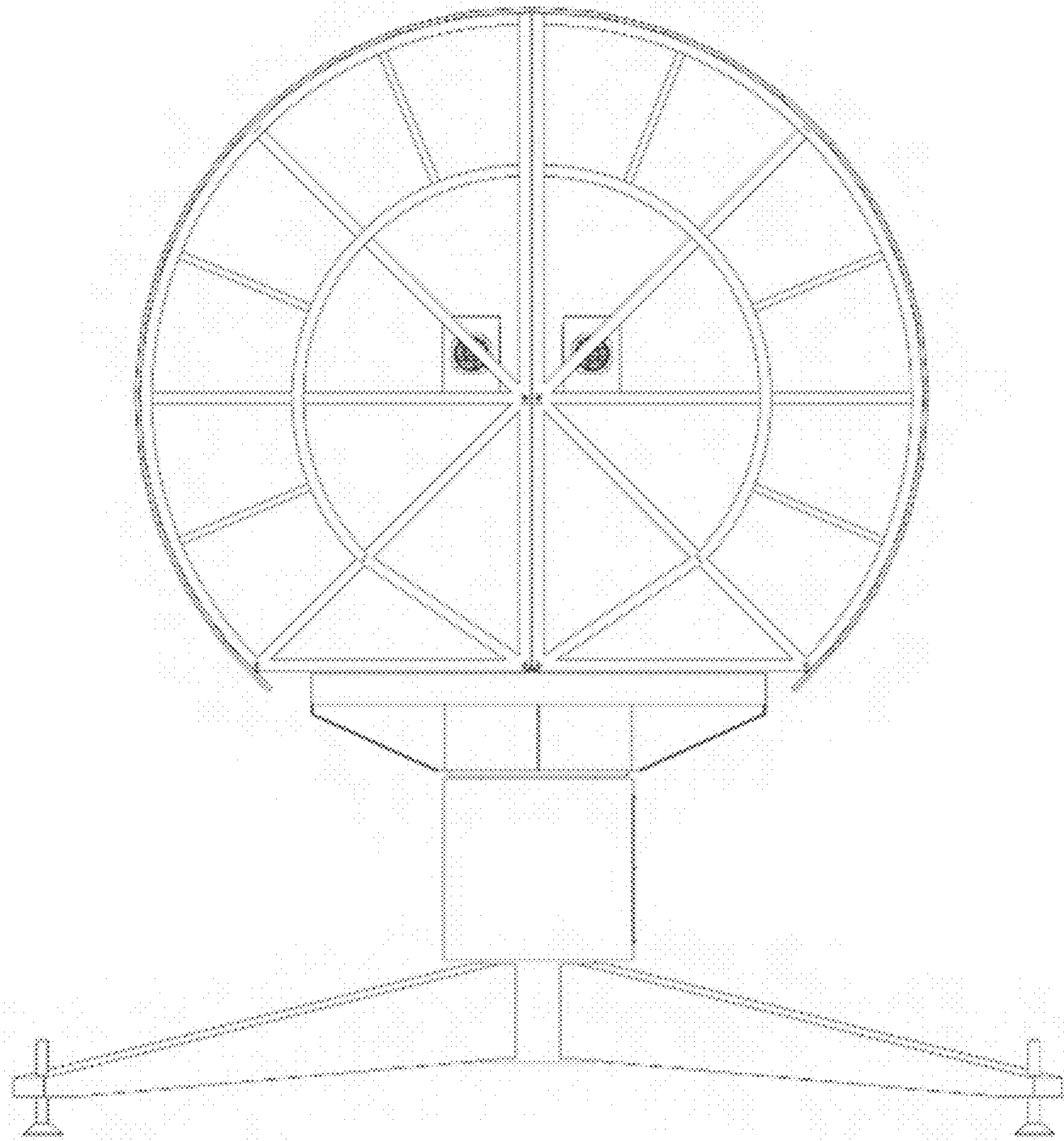


FIG. 2

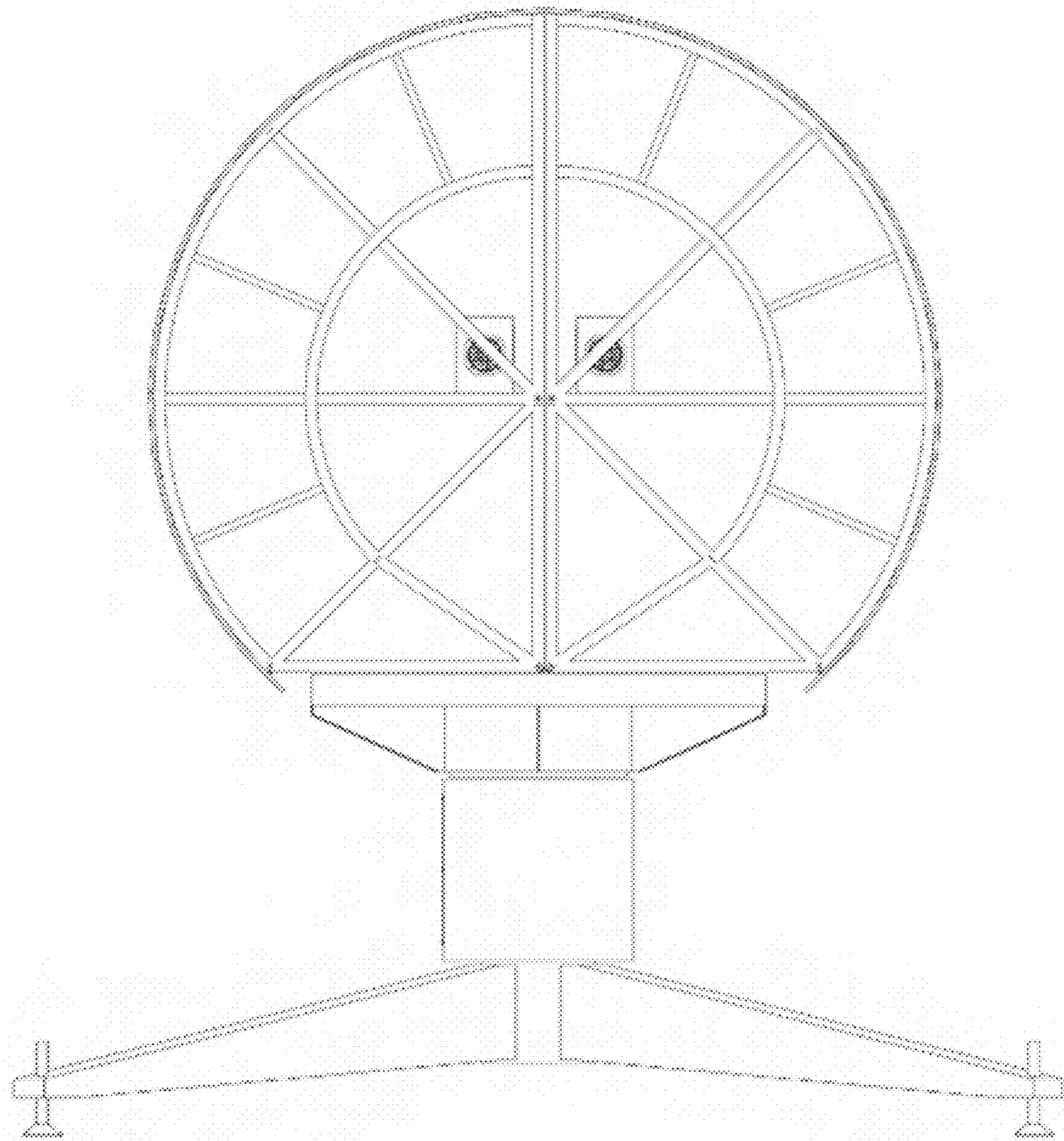


FIG. 3

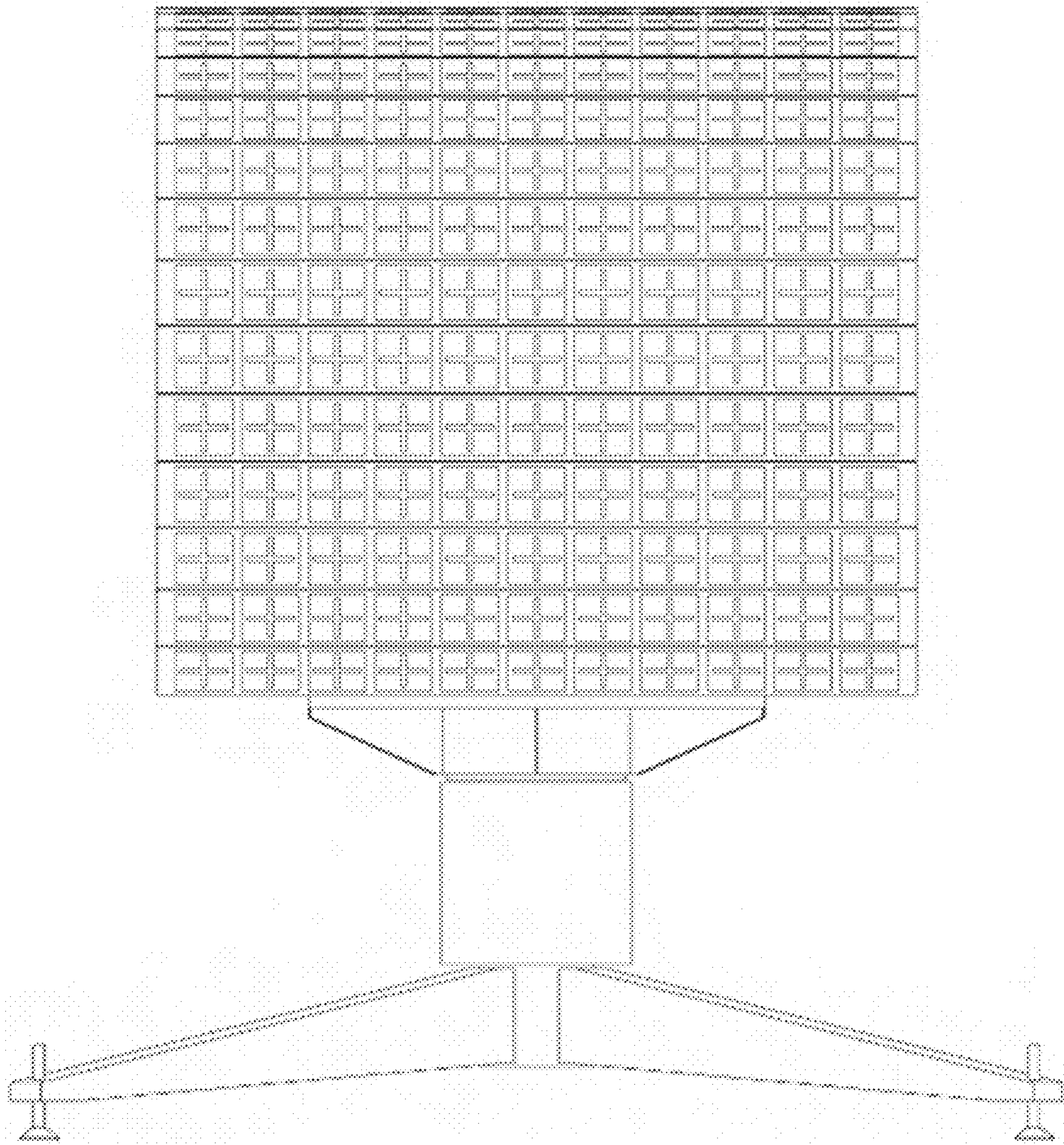


FIG. 4

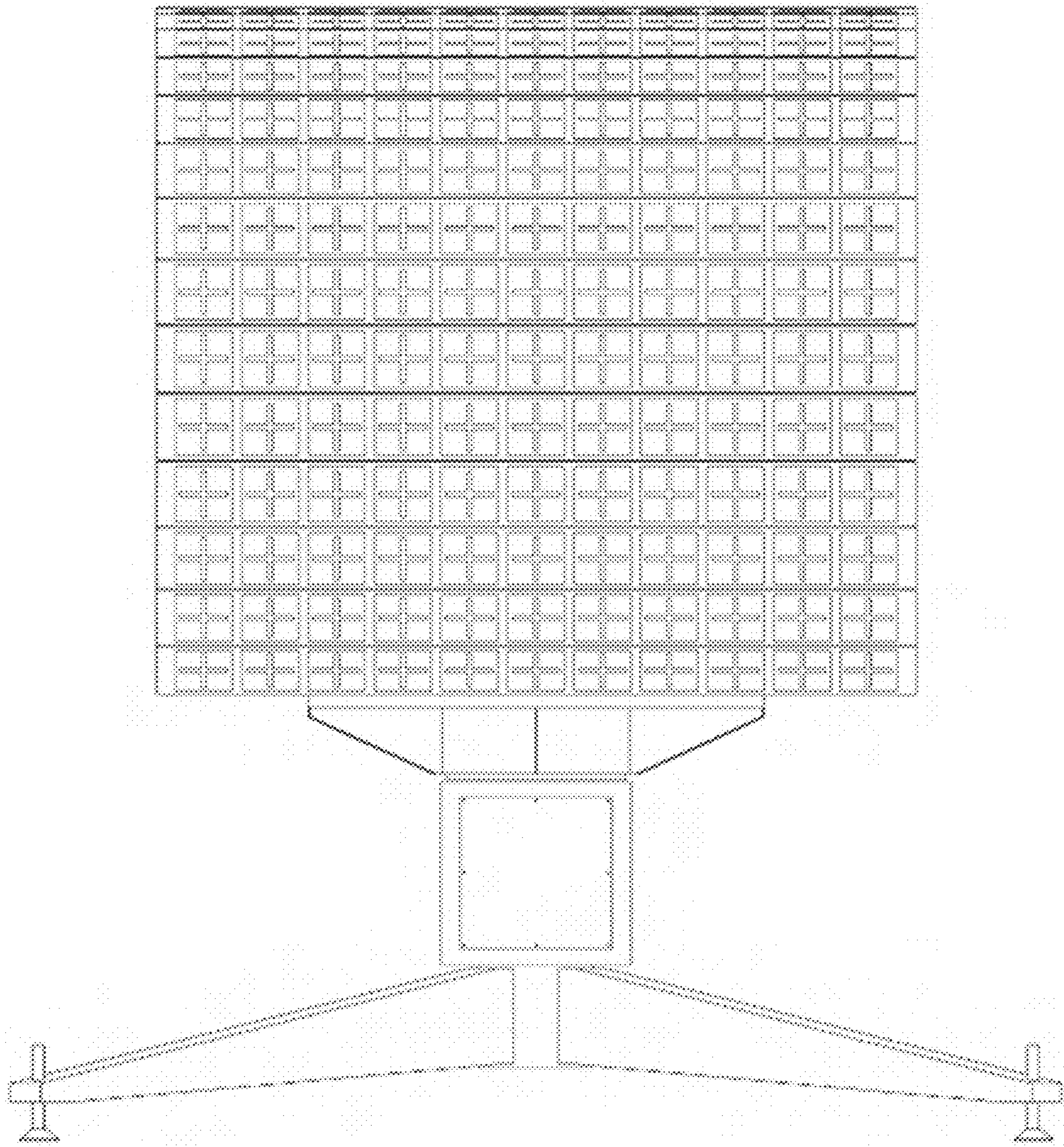


FIG. 5

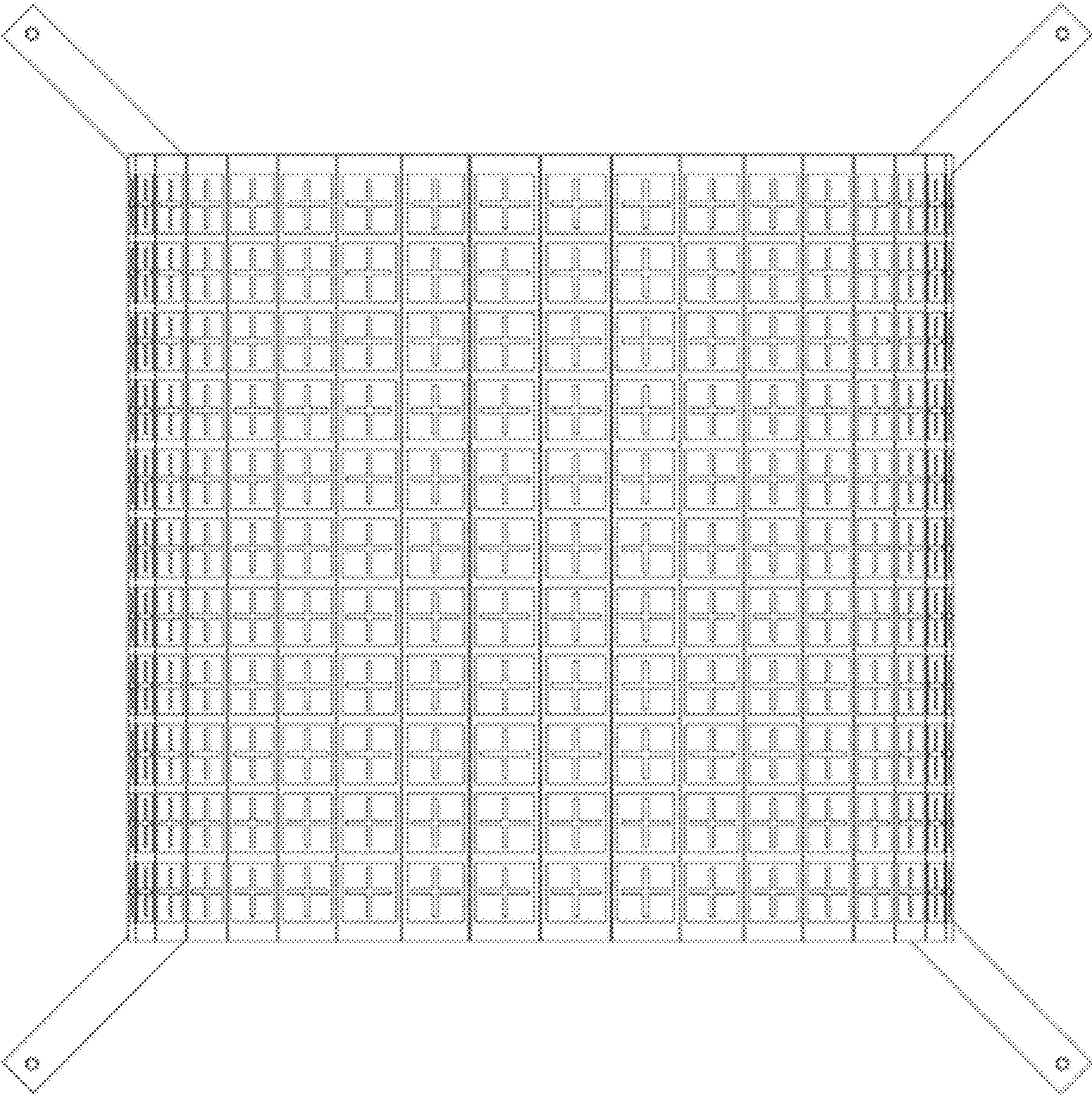


FIG. 6

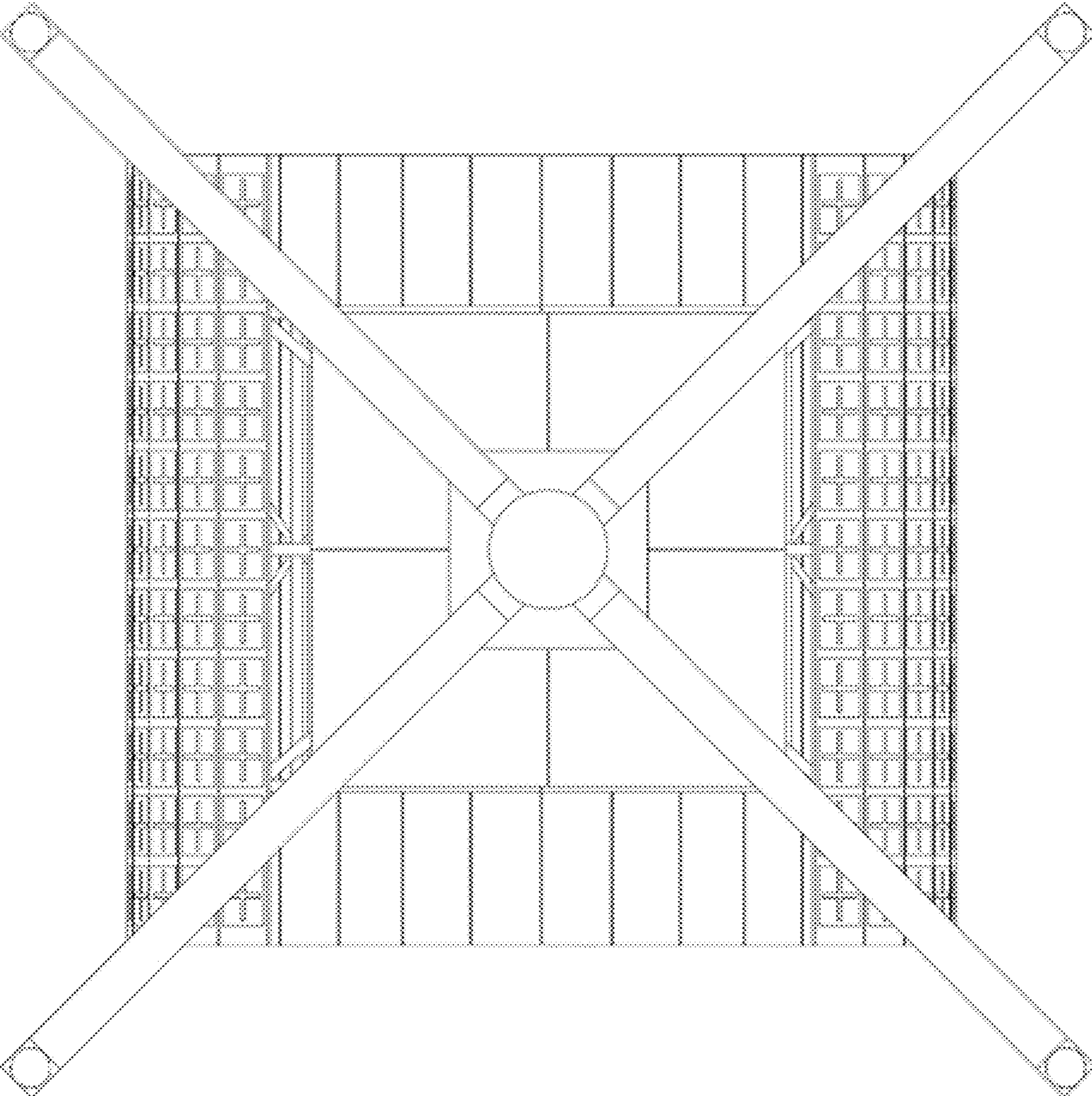


FIG. 7