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(12) **United States Design Patent** (10) **Patent No.:** **US D871,245 S**
Arikawa et al. (45) **Date of Patent:** **** Dec. 31, 2019**

(54) **FIRE DETECTOR**
(71) Applicant: **Hochiki Corporation**, Tokyo (JP)
(72) Inventors: **Masashi Arikawa**, Tokyo (JP); **Hayato Tsurumi**, Tokyo (JP)

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(73) Assignee: **Hochiki Corporation**, Tokyo (JP)
(**) Term: **15 Years**

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(21) Appl. No.: **29/674,532**

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(22) Filed: **Dec. 21, 2018**

Notification of Refusal issued by the Korean Intellectual Property Office dated Sep. 27, 2018, in connection with International Registration No. DM/097381 (3 pages).

Related U.S. Application Data

Notification of Refusal issued by the Korean Intellectual Property Office dated Nov. 25, 2018, in connection with International Registration No. DM/096912 (5 pages).

(62) Division of application No. 35/504,130, filed on Jun. 15, 2017 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of Dec. 21, 2018, now Pat. No. Des. 849,580.

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(30) **Foreign Application Priority Data**

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Dec. 21, 2016 (JP) 2016-027652

(51) **LOC (12) Cl.** **10-05**

(57) **CLAIM**

(52) **U.S. Cl.**
USPC **D10/106.5**

The ornamental design for a fire detector, as shown and described.

(58) **Field of Classification Search**
USPC D10/106.2, 106.5
See application file for complete search history.

DESCRIPTION

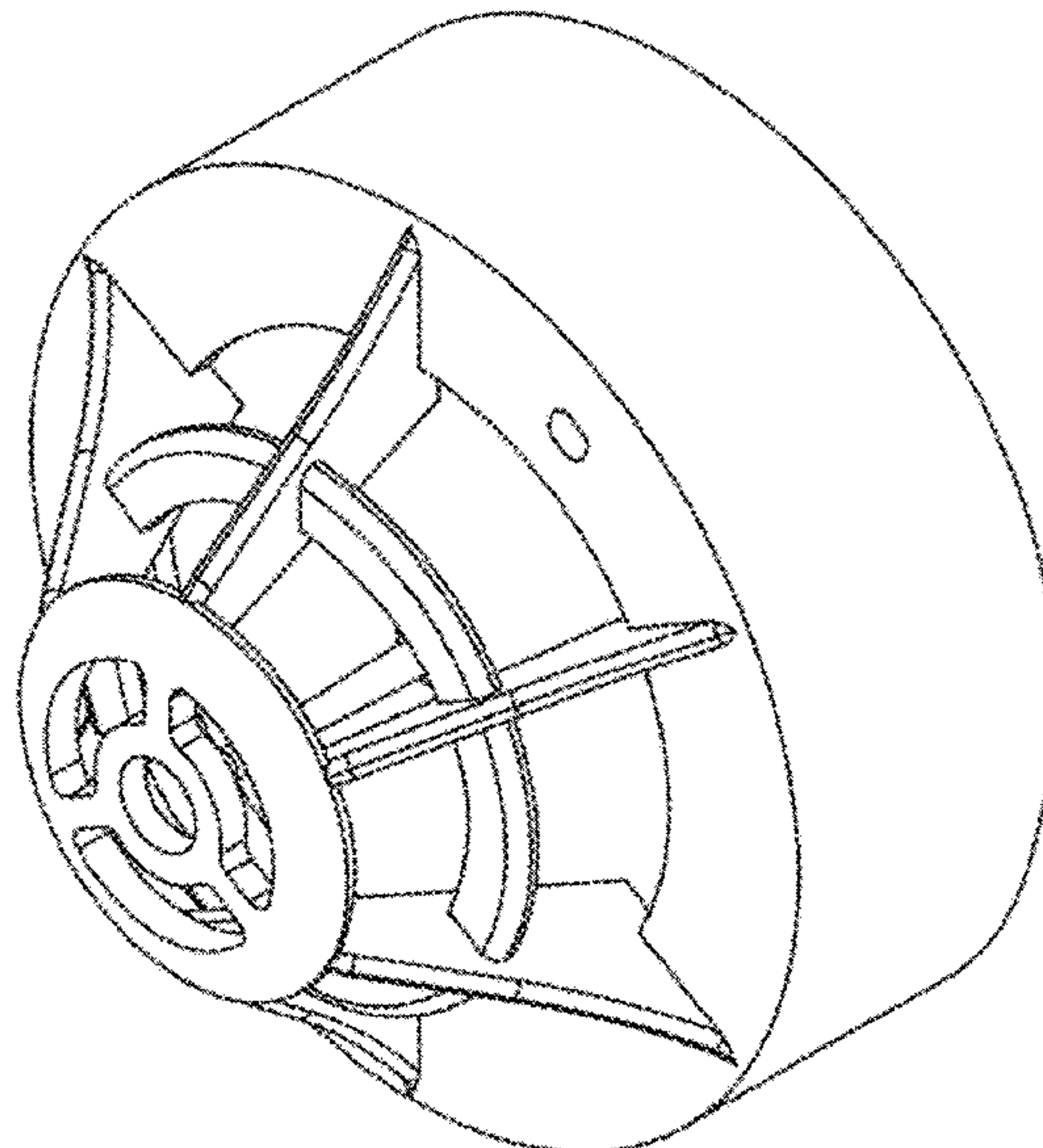
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FIG. 1 is a perspective view of a fire detector as shown and described;
FIG. 2 is a front view thereof;
FIG. 3 is a top view thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a back view thereof;
FIG. 6 is a right view thereof; and,
FIG. 7 is a left view thereof.

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1 Claim, 7 Drawing Sheets



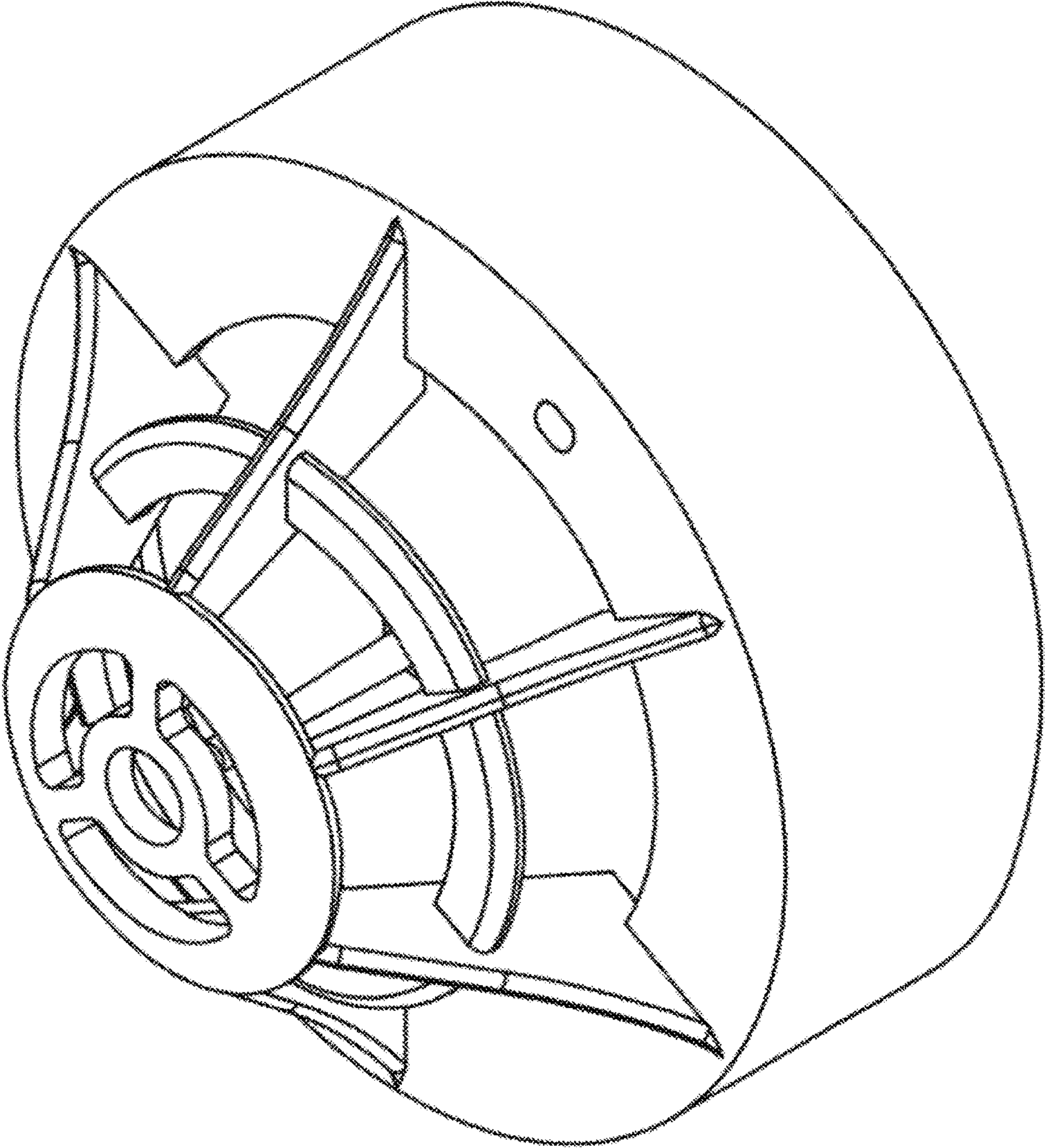


FIG. 1

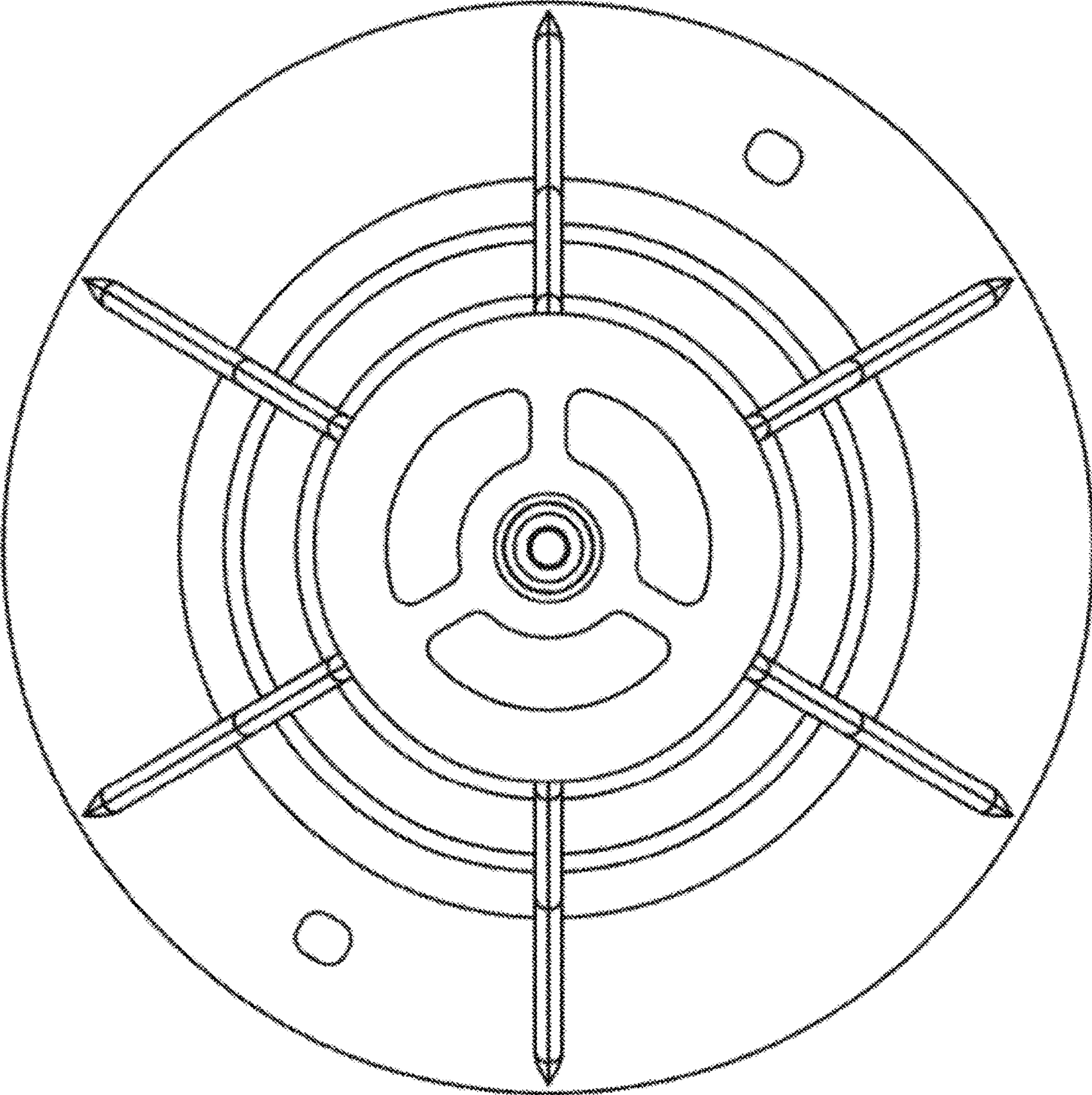


FIG. 2

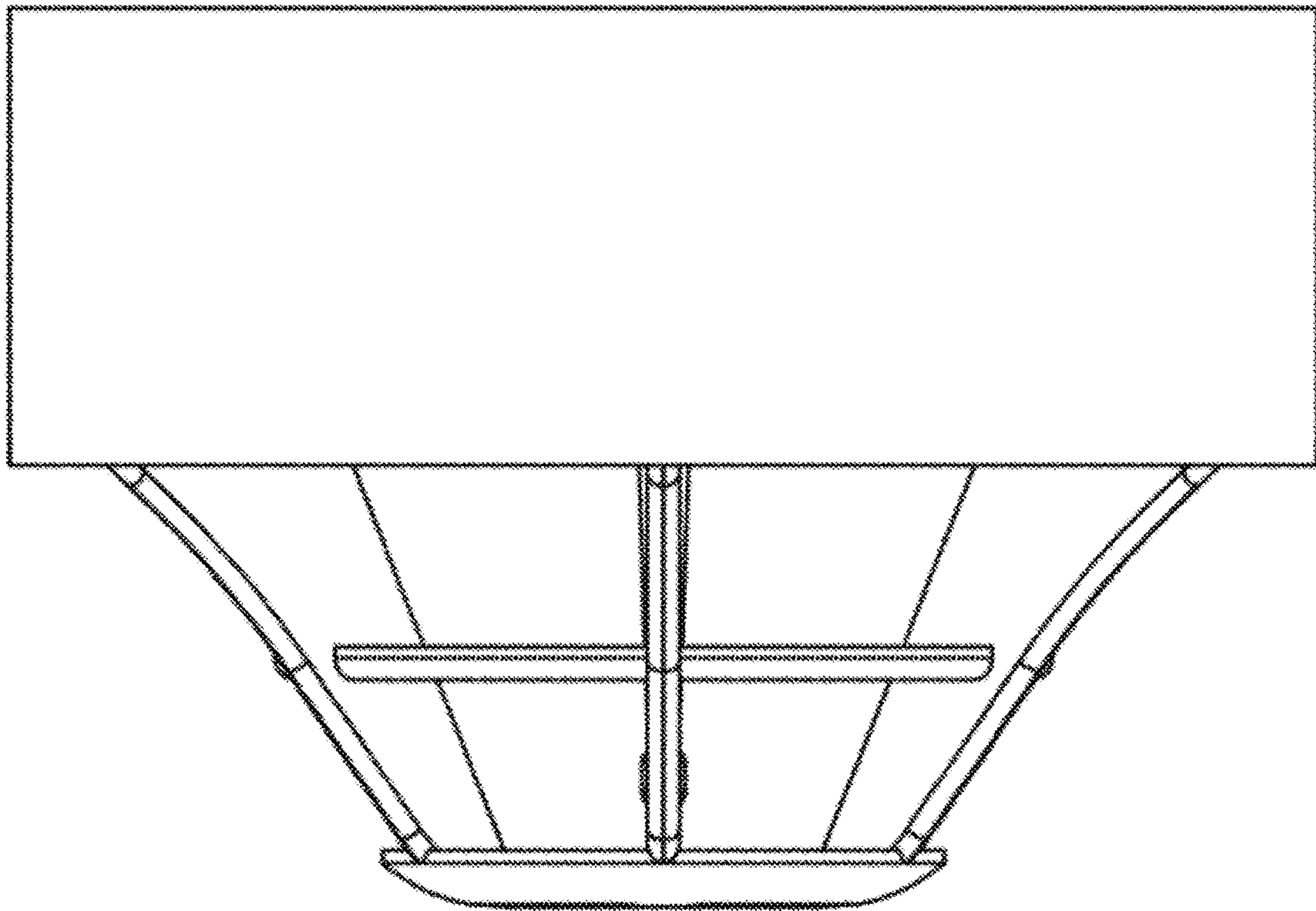


FIG. 3

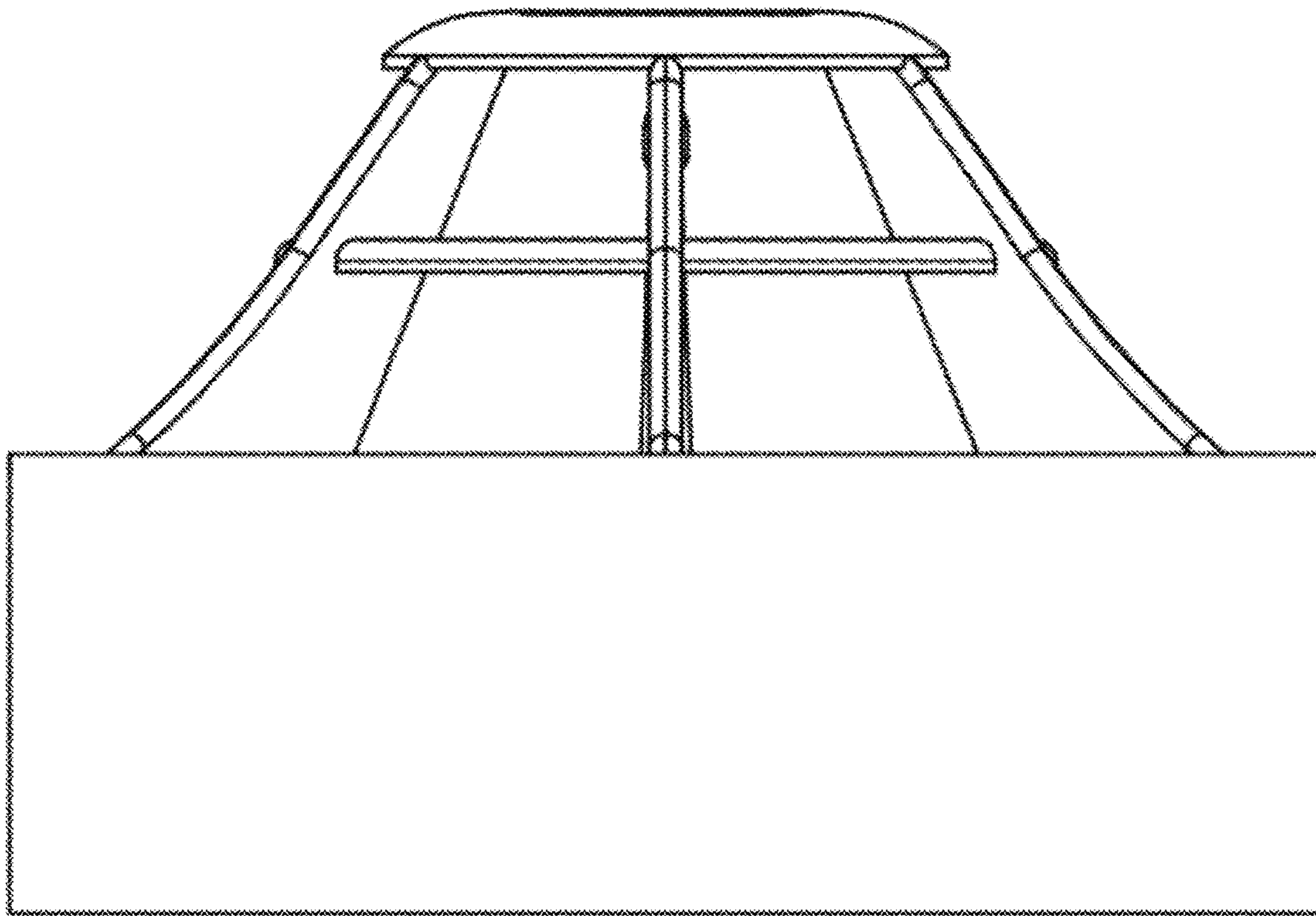


FIG. 4

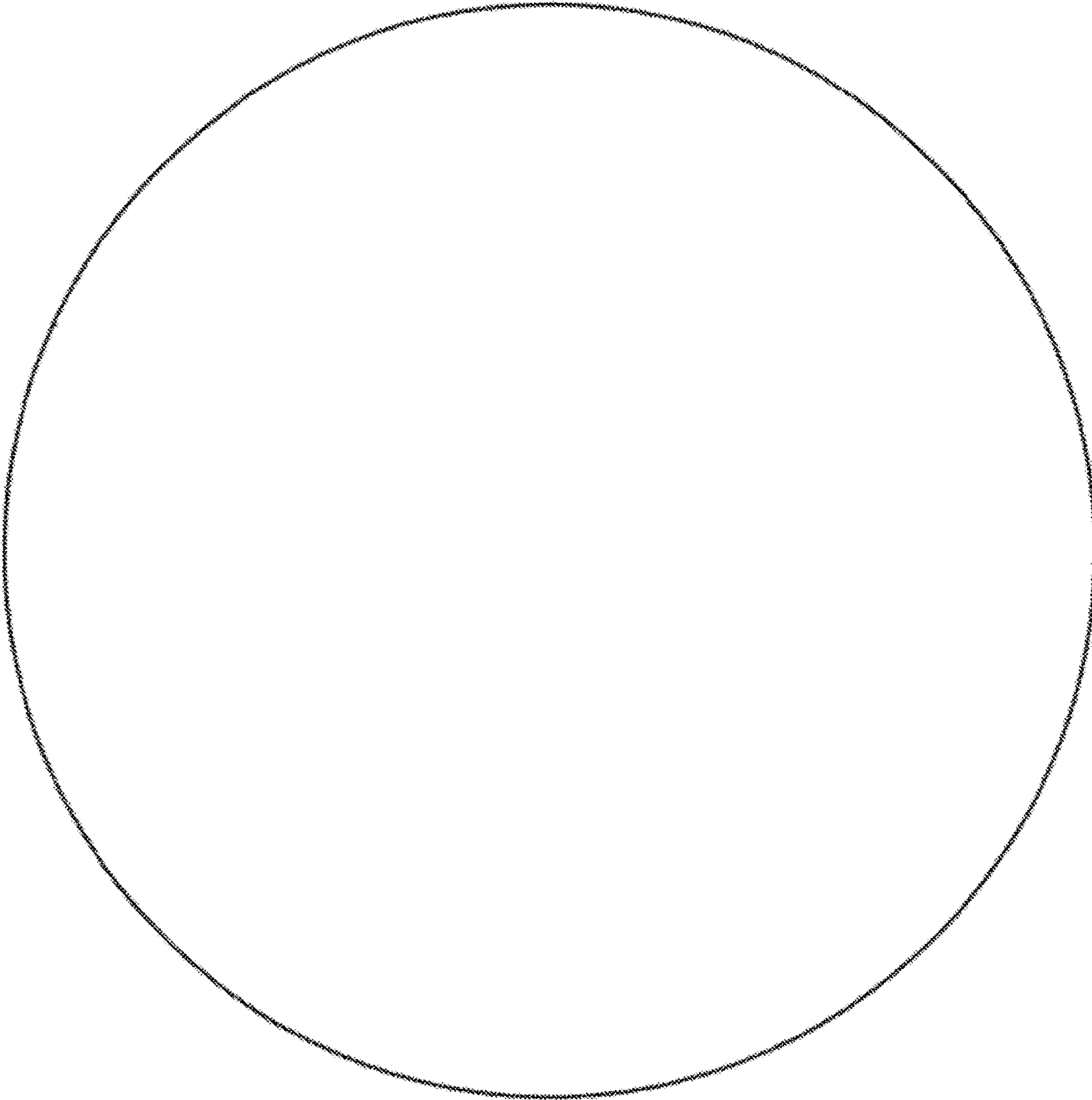


FIG. 5

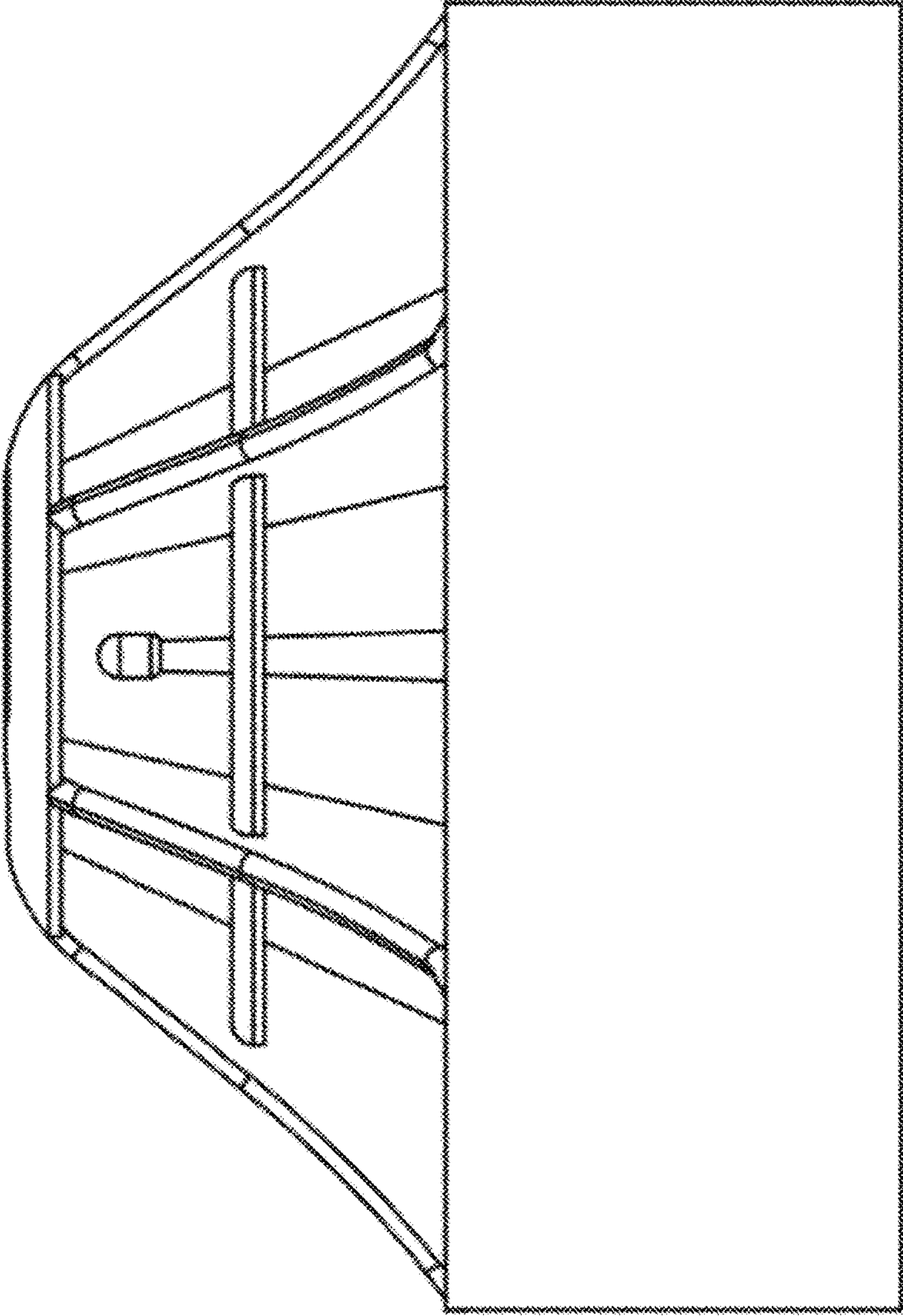


FIG. 6

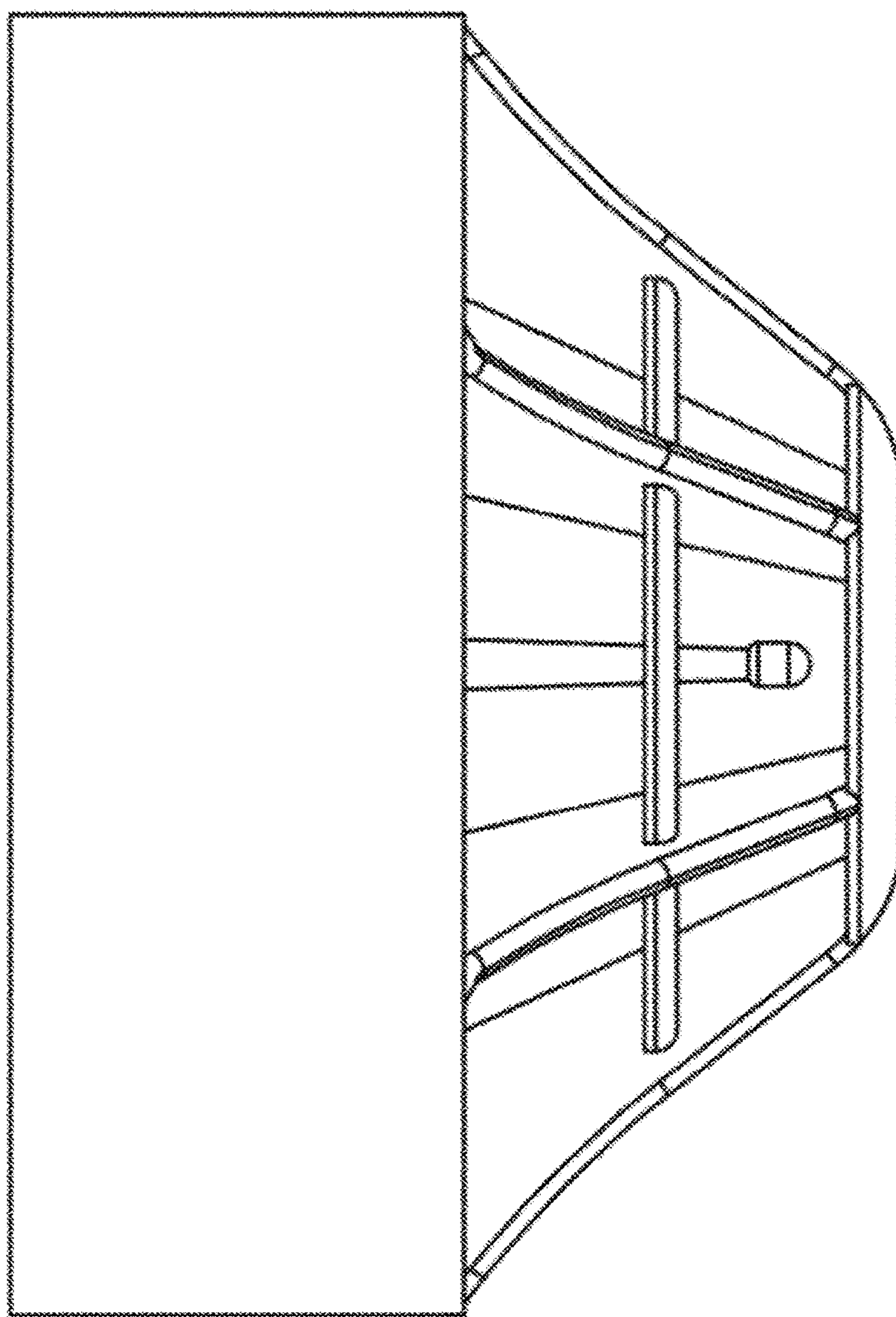


FIG. 7