



US00D887006S

(12) **United States Design Patent** (10) **Patent No.:** **US D887,006 S**
Frenkler et al. (45) **Date of Patent:** **** Jun. 9, 2020**

(54) **DENTAL HANDPIECE MAINTENANCE MACHINE**

(71) Applicant: **J. MORITA MFG. CORP.**, Kyoto-shi, Kyoto (JP)

(72) Inventors: **Fritz Frenkler**, Munich (DE); **Anette Ponholzer**, Munich (DE); **Hiroshi Kaneko**, Munich (DE); **Takashi Kondo**, Munich (DE)

(73) Assignee: **J. MORITA MFG. CORP.**, Kyoto (JP)

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

(21) Appl. No.: **29/632,203**

(22) Filed: **Jan. 5, 2018**

(30) **Foreign Application Priority Data**

Jul. 5, 2017 (JP) 2017-014529
Jul. 5, 2017 (JP) 2017-014530

(51) **LOC (12) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/176; D24/217**

(58) **Field of Classification Search**
USPC D24/176-182, 221, 152, 217; 433/229
CPC A61C 19/002; A61L 2/07; A61L 2/025; A61L 2/26; A61L 2202/10; A61L 2202/121; A61L 2202/122; A61L 2202/23; A61L 2202/24
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,520,892 A * 5/1996 Bowen A61C 19/002
422/295
7,018,592 B2 * 3/2006 Bowen A61L 2/07
422/26
D554,757 S * 11/2007 Haymann D24/176
D703,343 S * 4/2014 Biswas D24/217

2003/0095891 A1 * 5/2003 O'Neal A61L 2/07
422/26
2008/0053480 A1 * 3/2008 Hancock A61C 19/002
134/6
2015/0021211 A1 * 1/2015 Chastain A61C 19/02
206/63.5

(Continued)

FOREIGN PATENT DOCUMENTS

JP D1321393 * 2/2007
JP D1478354 * 2/2013

OTHER PUBLICATIONS

Automatic Handpiece Maintenance System. Retrieved on Oct. 2, 2019. Retrieved from the Internet: <https://flightdentalsystems.com/product/automatic-handpiece-maintenance-system/>.*

Primary Examiner — Wan Laymon

(74) *Attorney, Agent, or Firm* — Oliff PLC

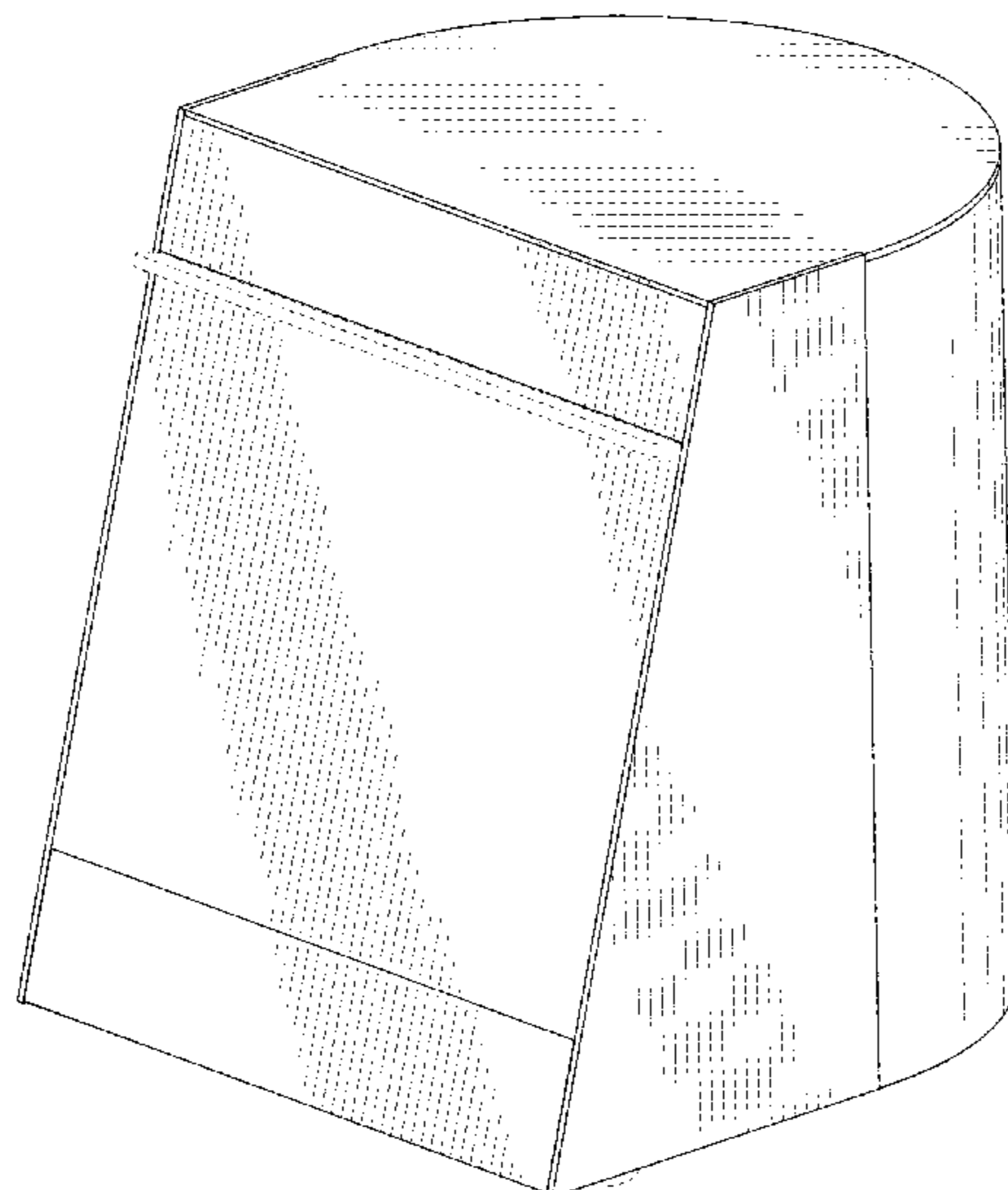
(57) **CLAIM**

The ornamental design for a dental handpiece maintenance machine, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a dental handpiece maintenance machine of Embodiment 1 of the present design; FIG. 2 is a rear view thereof; FIG. 3 is a right side view thereof; FIG. 4 is a left 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. The broken lines shown in the drawings represent portions of the dental handpiece maintenance machine that form no part of the claimed design. The long dashed and short dashed lines indicated only boundaries between the portions sought to receive design registration as the claimed design and unclaimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2017/0069199 A1* 3/2017 Magno A61C 19/002
2018/0353275 A1* 12/2018 St. Louis A61C 19/002
2019/0209279 A1* 7/2019 Galluseder A61C 19/002

* cited by examiner

FIG. 1

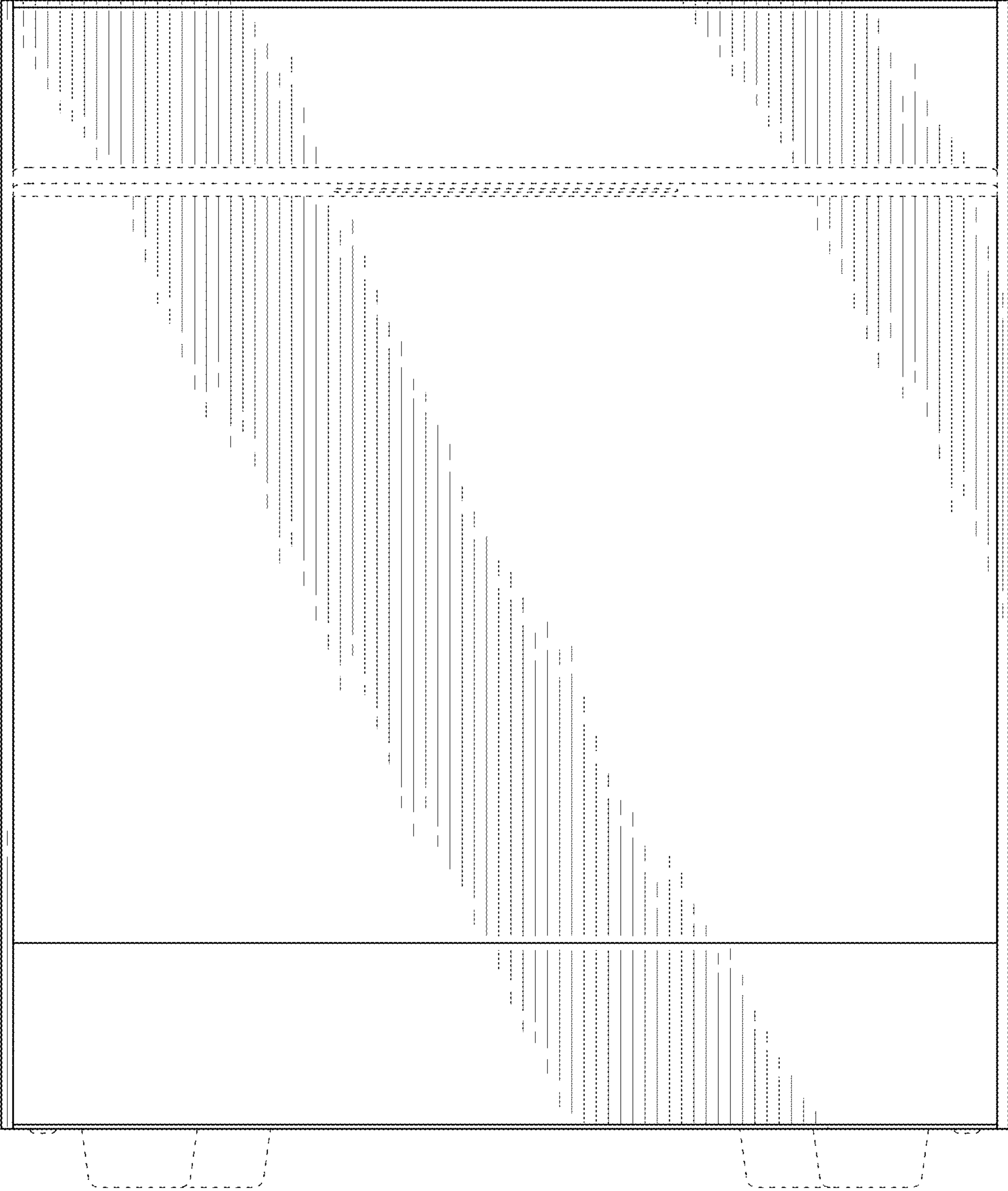


FIG. 2

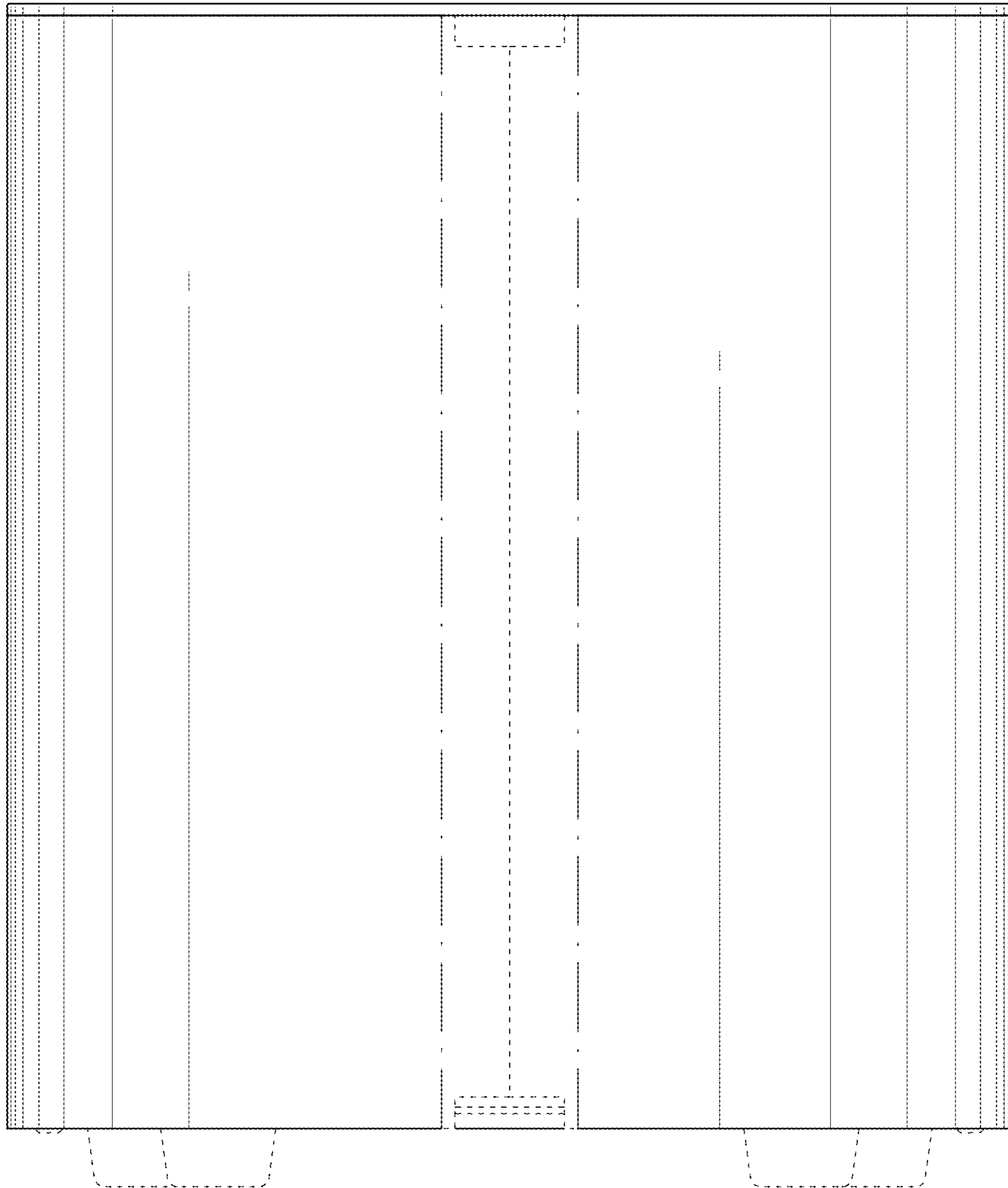


FIG. 3

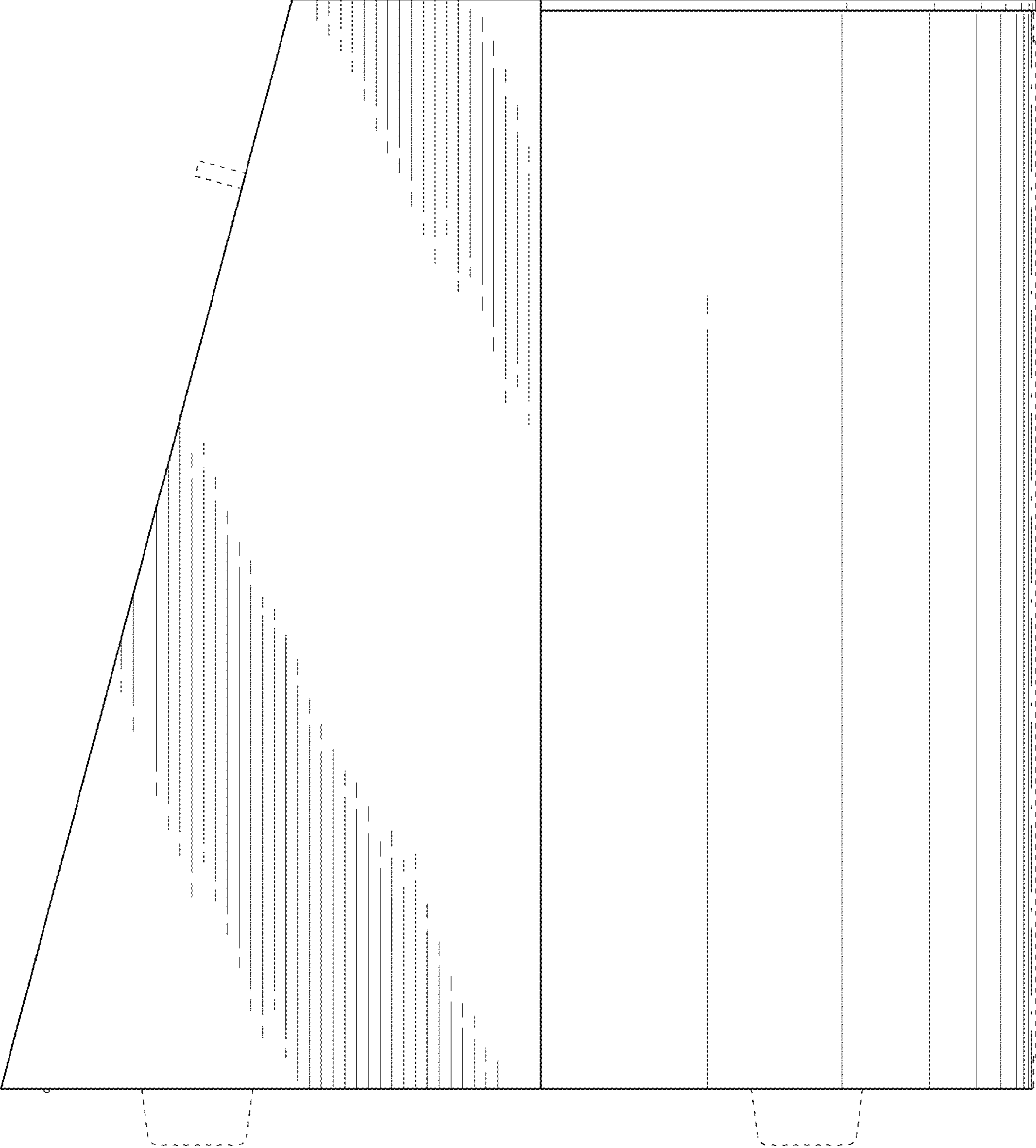


FIG. 4

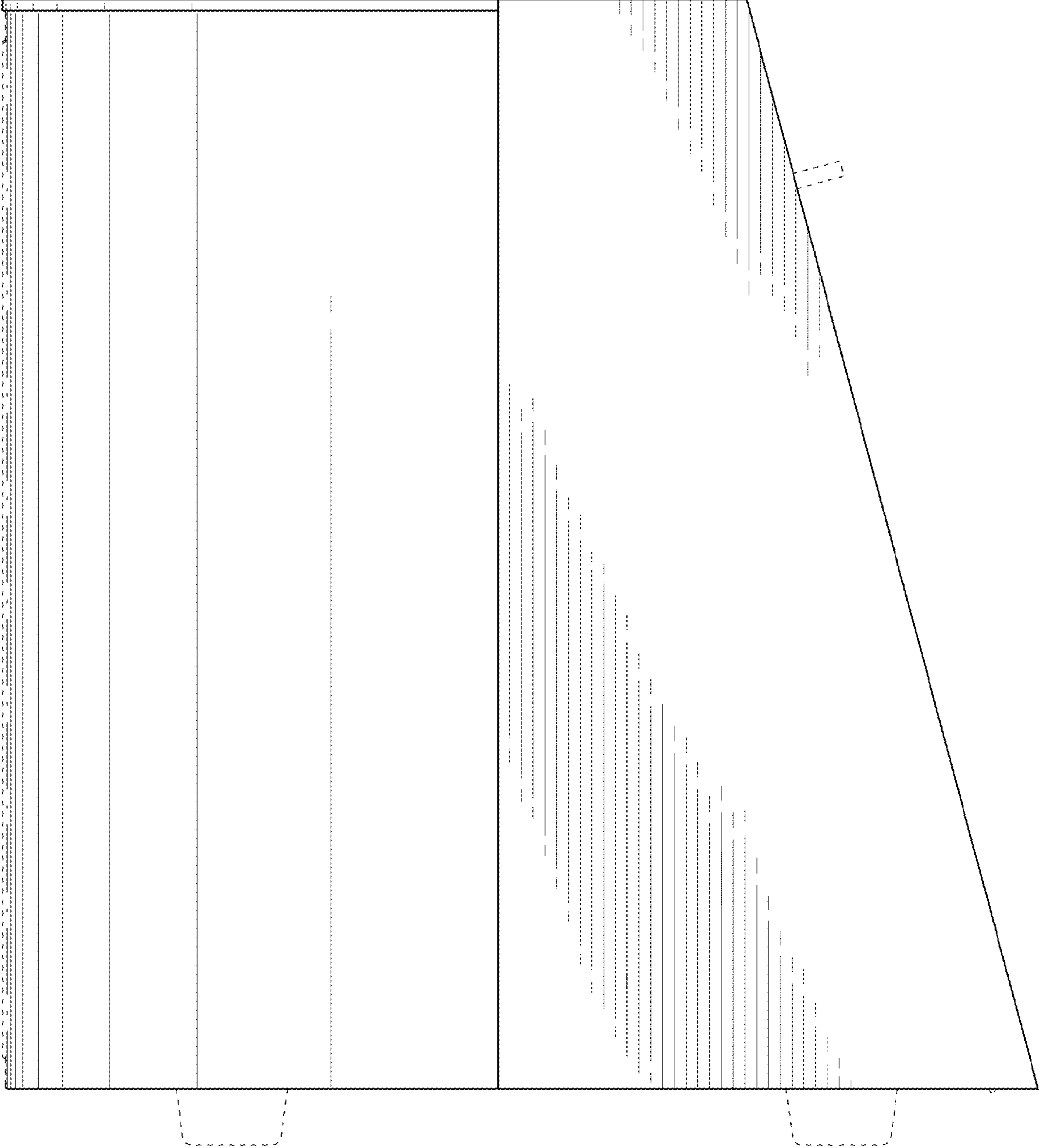


FIG. 5

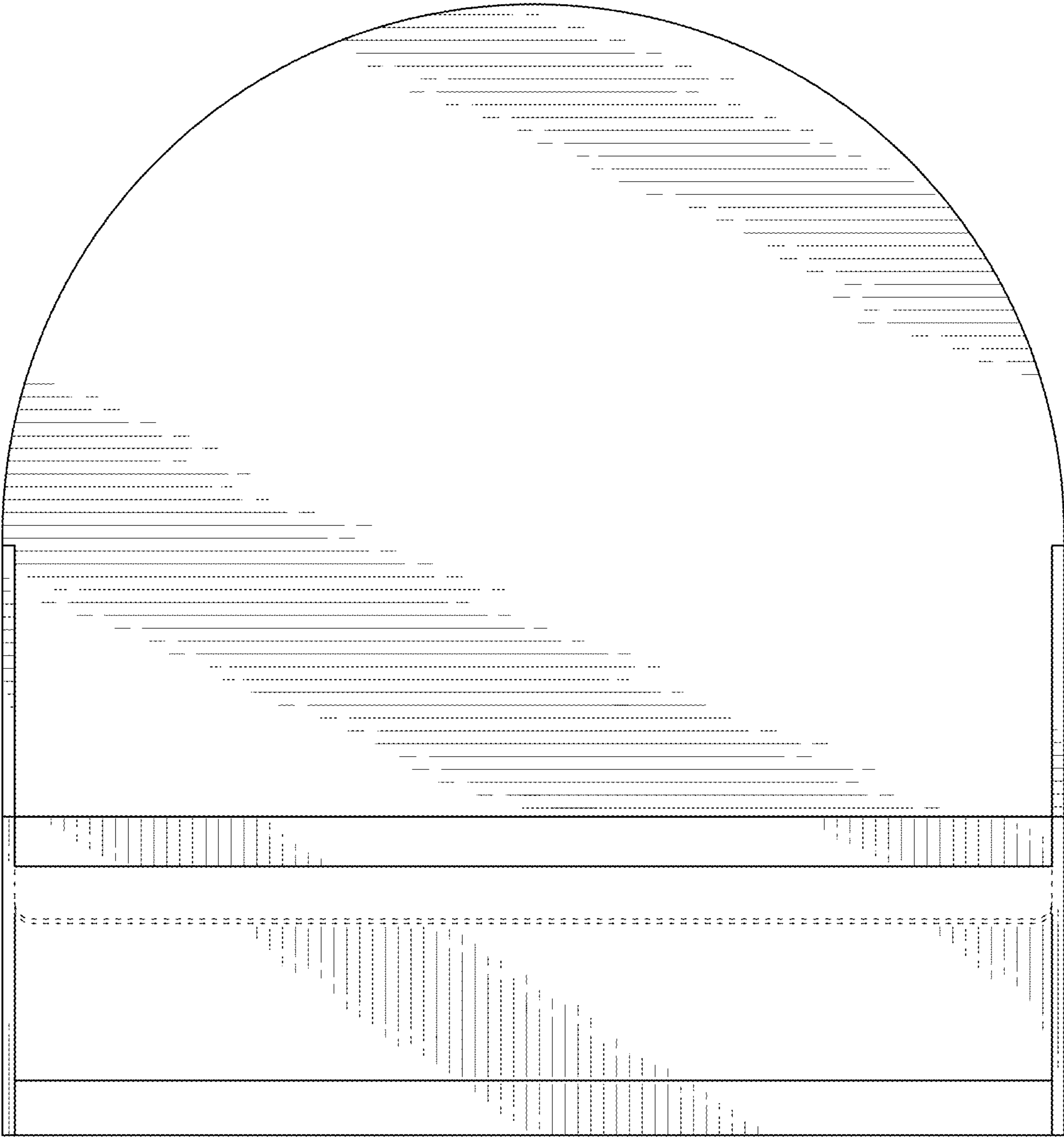


FIG. 6

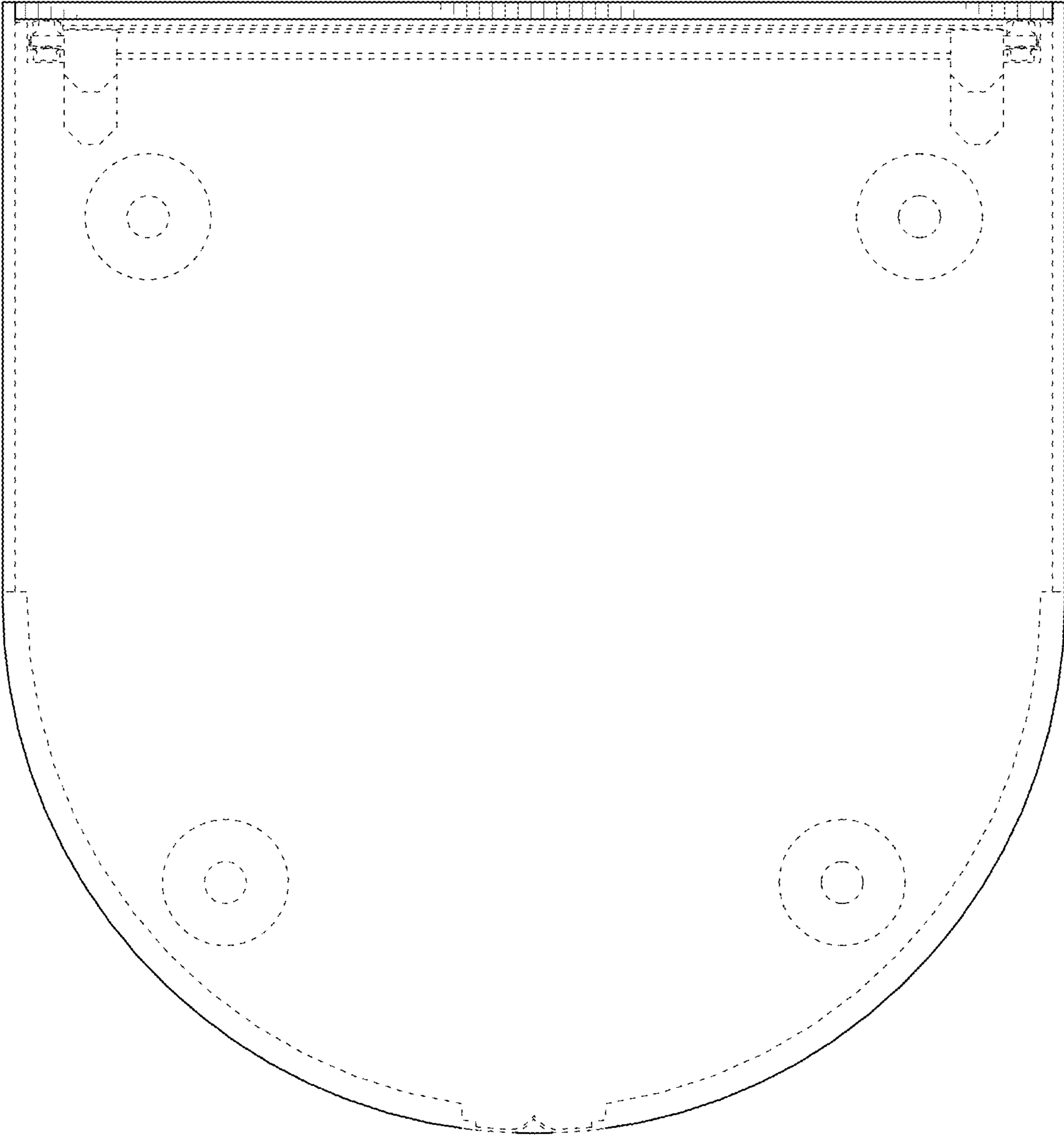


FIG. 7

