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(12) **United States Design Patent**  
**Meng**

(10) **Patent No.: US D1,031,045 S**  
(45) **Date of Patent: \*\* Jun. 11, 2024**

(54) **ENDORECTAL COOLING DEVICE HOLDER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM**, Austin, TX (US)

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OTHER PUBLICATIONS

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“Medgadget: Tulsa-Pro Whole Prostate Ablation System Cleared in Europe.” Found online Jan. 16, 2024 at medgadget.com. Reference dated Apr. 12, 2016. Retrieved from <https://www.medgadget.com/2016/04/tulsa-pro-whole-prostate-ablation-system-cleared-in-europe.html>.\*

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

(Continued)

(21) Appl. No.: **29/830,191**

*Primary Examiner* — Kendra Leslie Hamilton

(22) Filed: **Mar. 10, 2022**

*Assistant Examiner* — Elizabeth S Struble

(51) **LOC (14) Cl.** ..... **24-01**

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

(57) **CLAIM**

USPC ..... **D24/158**; D24/128

The ornamental design for a endorectal cooling device holder, as shown and described.

(58) **Field of Classification Search**

**DESCRIPTION**

USPC ..... D24/128, 152, 158, 161, 176, 221; D8/250, 353, 354, 380, 381, 382; D23/259, 262

FIG. 1 is a perspective view of a endorectal cooling device holder, showing my new design; FIG. 2 is a rear elevational view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a top plan view thereof; FIG. 7 is a bottom plan view thereof; and, FIG. 8 is a perspective, environmental view thereof.

CPC .. G01R 33/34084; G01R 33/34; G01R 33/32; G01R 33/285; G01R 33/20; A61N 2005/1008; A61N 2005/1012; A61N 5/1007; A61B 5/055; A61B 5/06; A61B 5/061; A61B 5/065; A61B 5/4381

See application file for complete search history.

The broken lines shown in the Figures are environment only and show portions of the endorectal cooling device holder that form no part of the claimed design. The broken lines immediately adjacent the shaded areas represent the bounds of the claimed design while all other broken lines are directed to environment and are for illustrative purposes only; the broken lines form no part of the claimed design. The shade lines in the Figures show contour and do not claim surface ornamentation or treatment.

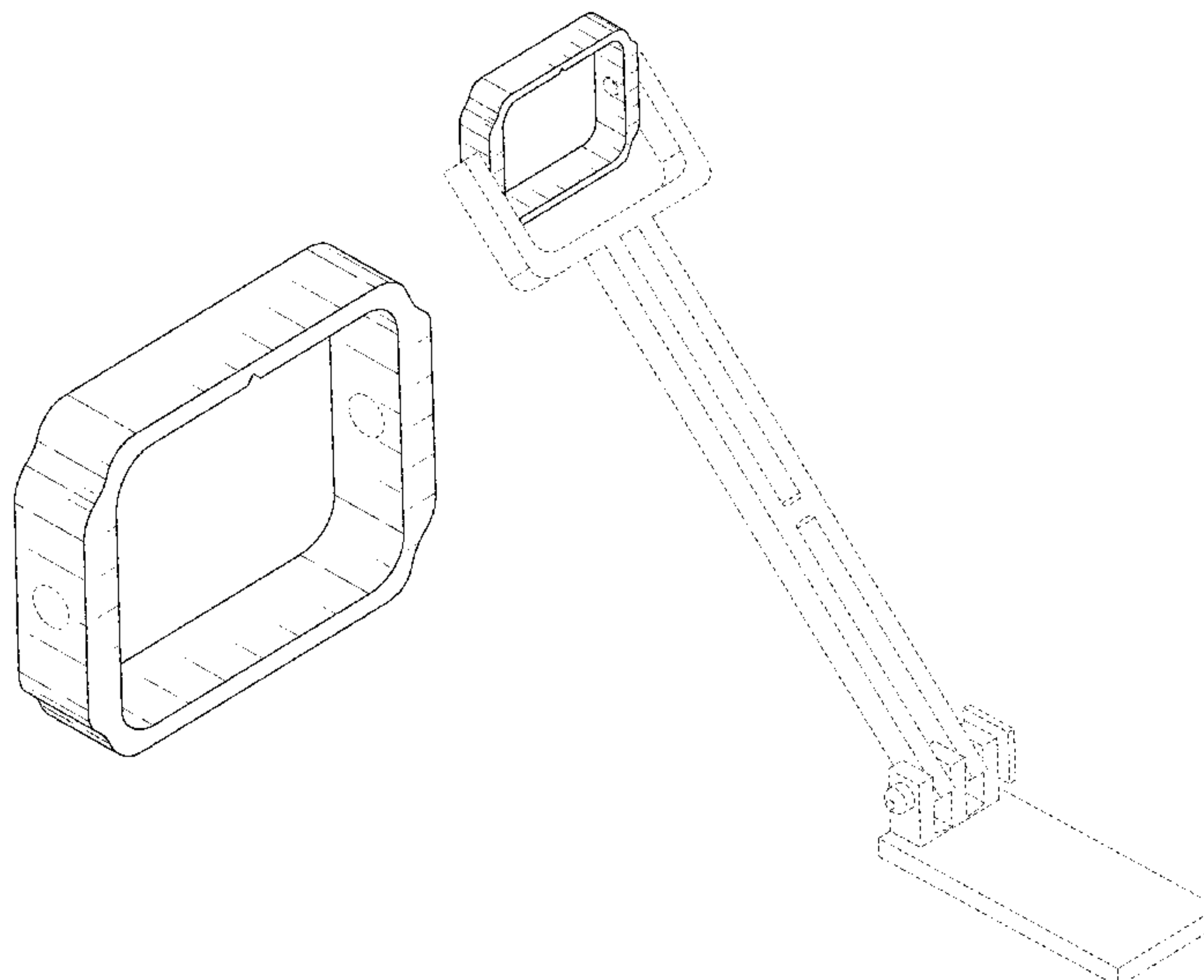
(56) **References Cited**

U.S. PATENT DOCUMENTS

- D168,074 S \* 10/1952 Symington ..... D8/371
- D485,356 S \* 1/2004 Evans ..... D24/128
- D513,168 S \* 12/2005 Chu ..... D8/356
- D549,826 S \* 8/2007 Aoki ..... D24/158
- D755,972 S \* 5/2016 Steward, Jr. .... D24/161
- D820,976 S \* 6/2018 Petersen ..... D24/128
- D886,991 S \* 6/2020 Kindler ..... D8/356

(Continued)

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D919,812 S \* 5/2021 Murray ..... H04N 23/745  
D24/158  
D947,374 S \* 3/2022 Lindsay ..... D24/128  
D979,049 S \* 2/2023 Hartman ..... D8/382  
D983,363 S \* 4/2023 Yau ..... D24/128  
2014/0167758 A1 \* 6/2014 Sambandamurthy .. A61B 5/055  
324/322  
2023/0285104 A1 \* 9/2023 Meng ..... A61B 5/70

OTHER PUBLICATIONS

“Slide-Co: 22842 White Polyethylene Mounting Bracket.” Found online Dec. 8, 2023 at amazon.com. Reference dated May 19, 2006. Retrieved from <https://www.amazon.com/Slide-Co-22842-Nylon-Drawer-Track/dp/B0044USN5G/>.\*

“ResearchGate: Prostate MRI and 3D MR spectroscopy: How we do it.” Found Dec. 8, 2023 at researchgate.net. Reference dated Jun. 2010. Retrieved from [https://www.researchgate.net/figure/Photograph-shows-expandable-endorectal-coil\\_fig1\\_44617629](https://www.researchgate.net/figure/Photograph-shows-expandable-endorectal-coil_fig1_44617629).\*

“Siemens: Endorectal Coil Interface.” Found online Jan. 16, 2024 at siemens-healthineers.com. Reference dated Sep. 26, 2023. Retrieved from <https://www.siemens-healthineers.com/en-us/magnetic-resonance-imaging/options-and-upgrades/coils/endorectal-coil-interface>.\*

\* cited by examiner

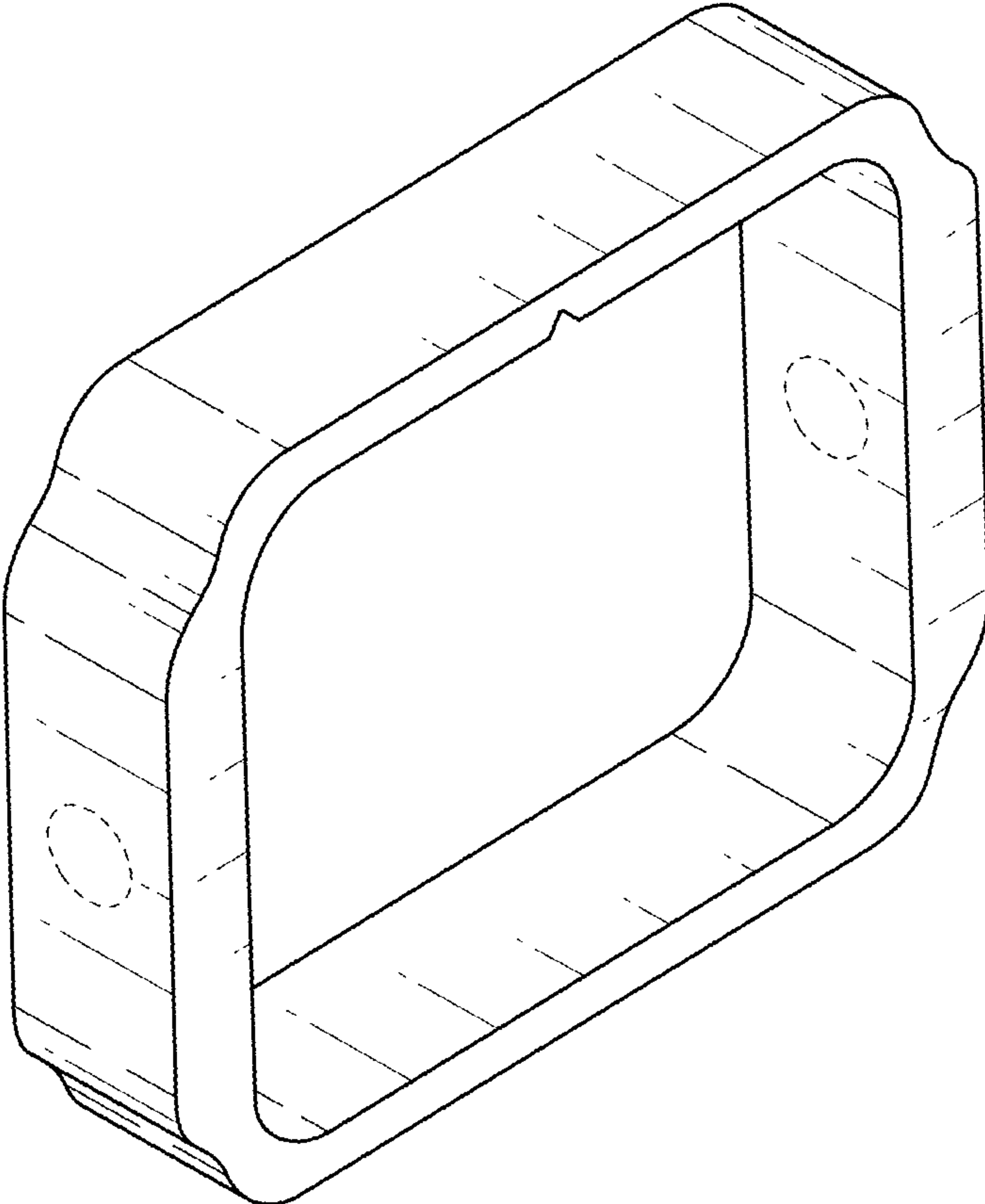


FIG. 1

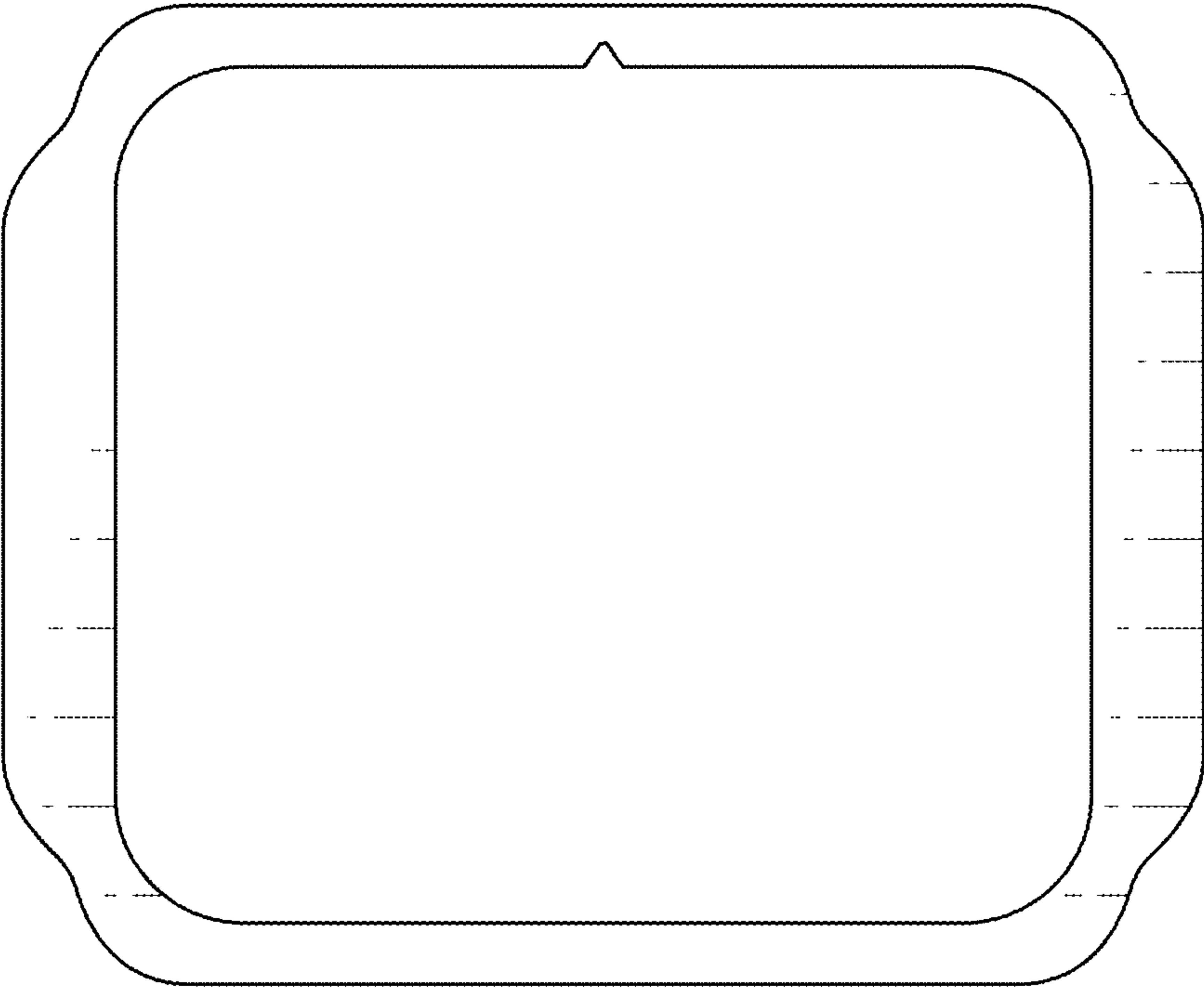


FIG. 2

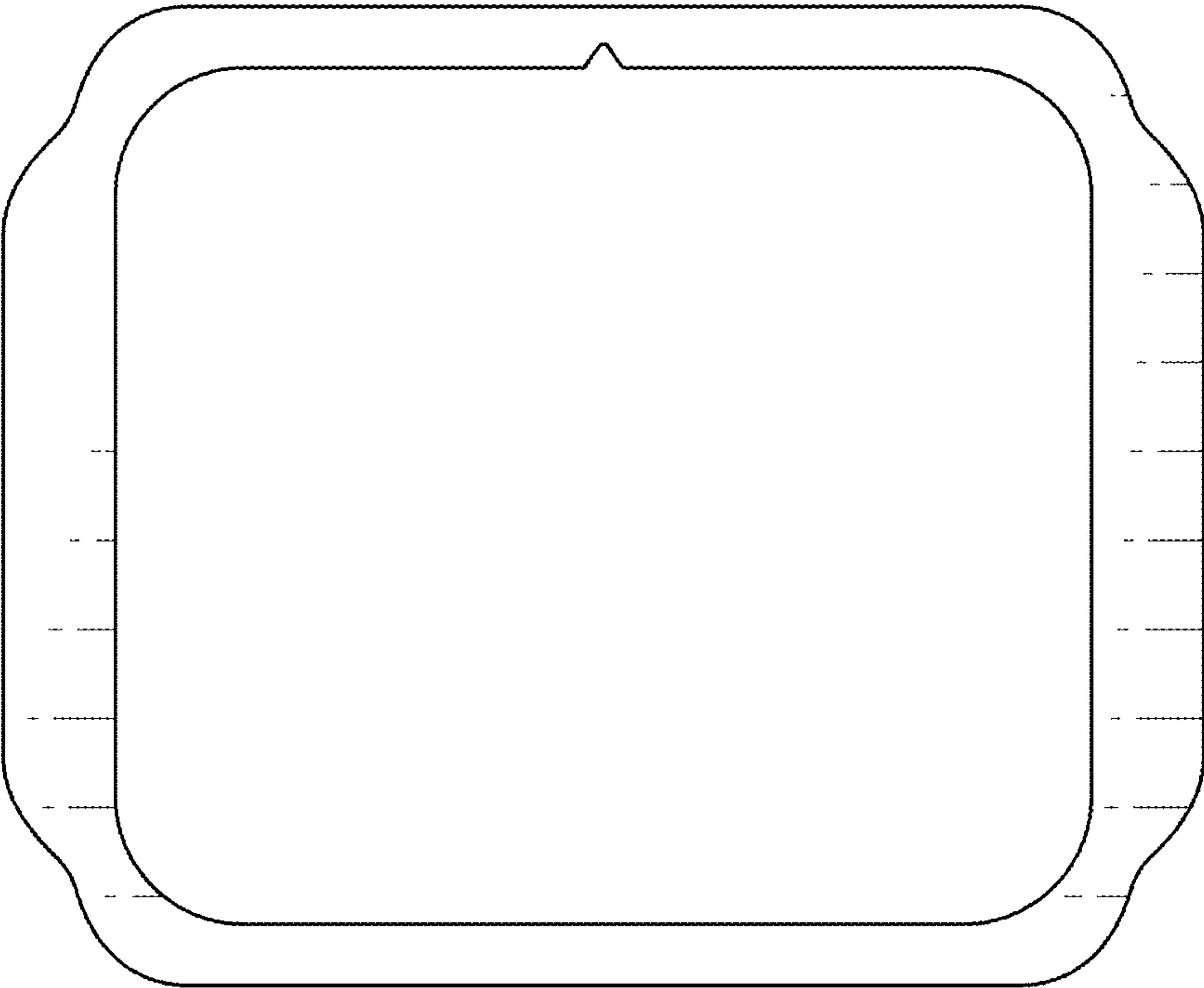


FIG. 3

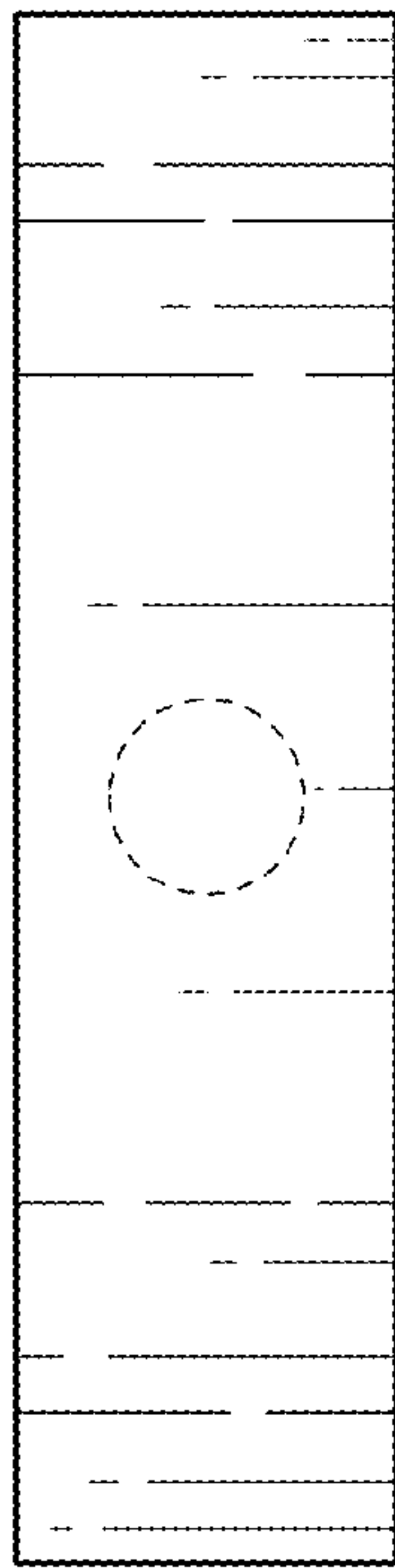


FIG. 4

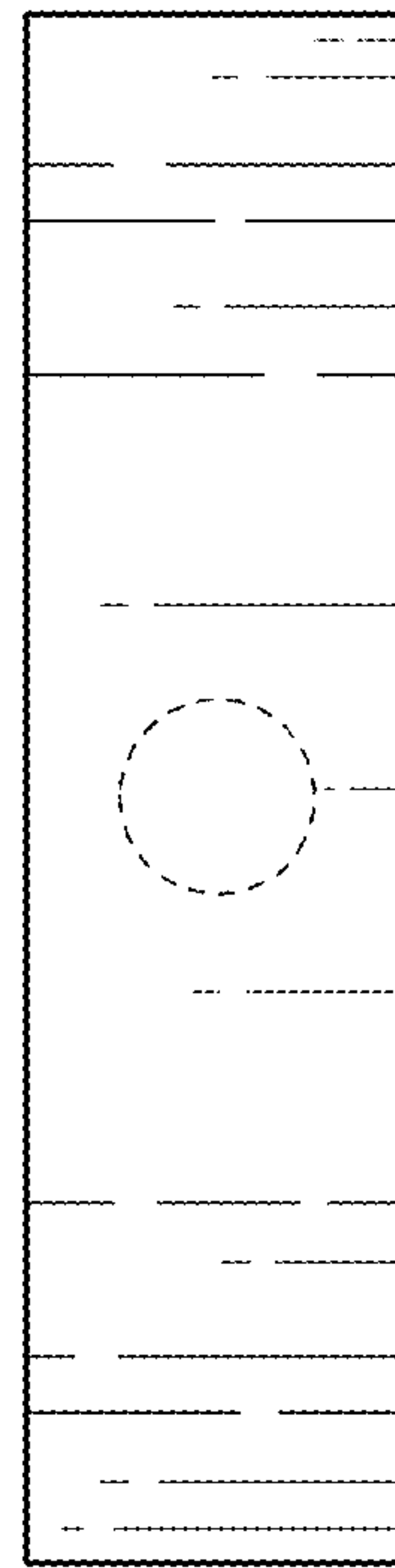


FIG. 5

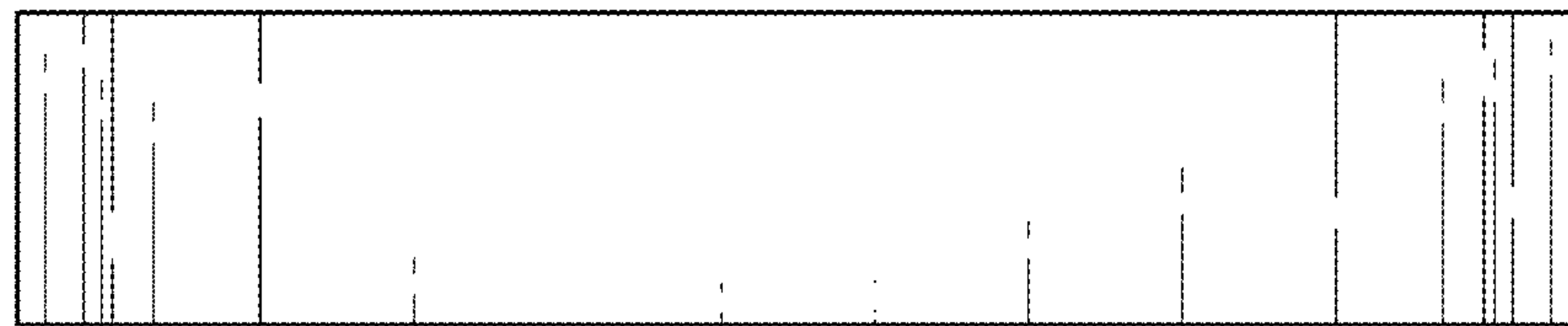


FIG. 6

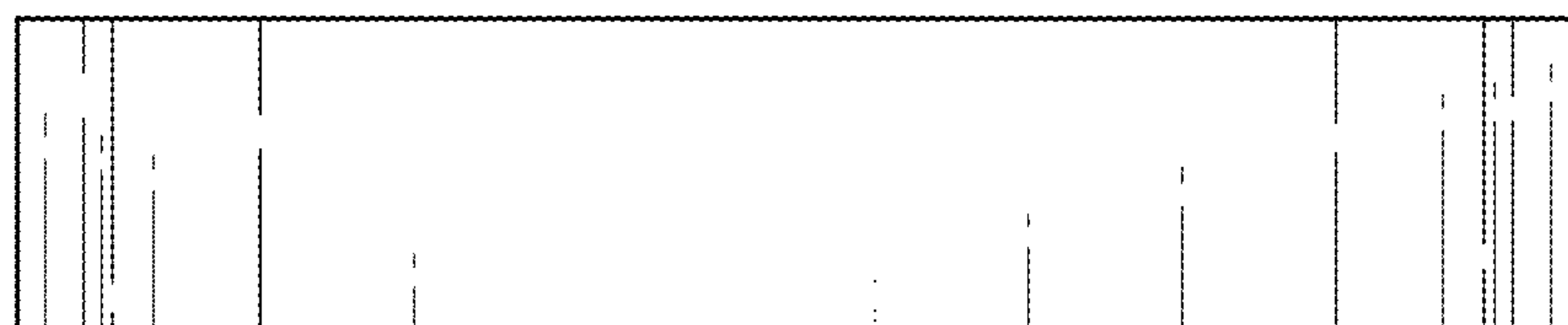


FIG. 7

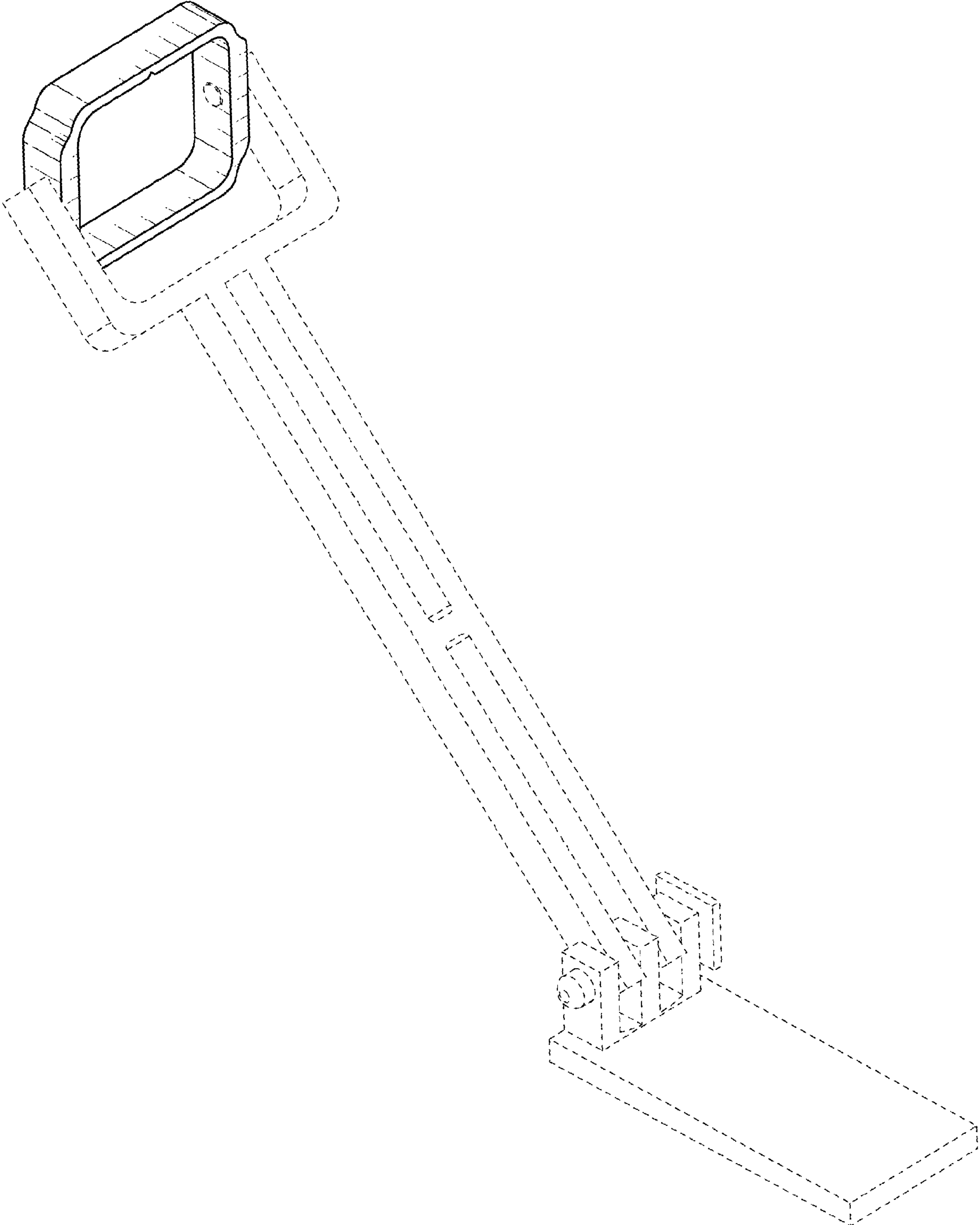


FIG. 8