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

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(45) **Date of Patent:** **\*\* Oct. 23, 2018**

(54) **VERTICAL HEATING MODULE**  
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(73) Assignee: **Kogaku Technology Inc.**, Miaoli County (TW)

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(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/609,570**  
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(30) **Foreign Application Priority Data**

Jun. 9, 2017 (TW) ..... 106303141

(51) **LOC (11) Cl.** ..... **23-03**  
(52) **U.S. Cl.**  
USPC ..... **D23/329**

(57) **CLAIM**

The ornamental design for a vertical heating module, as shown and described.

(58) **Field of Classification Search**  
USPC ..... D23/314, 325, 329, 333, 334, 335, 342, D23/355, 356, 358, 359, 364, 386, 387, D23/388, 389, 390, 391, 317, 318, 323, D23/393, 392, 397, 499  
CPC ..... F28F 2215/00; H01L 21/67178; H01L 21/67173; H01L 21/67167; H01L 21/67098; F24F 2007/005; F24F 7/04; F24F 2012/008; F24F 12/001; F24F 12/003; F24F 13/04  
See application file for complete search history.

**DESCRIPTION**

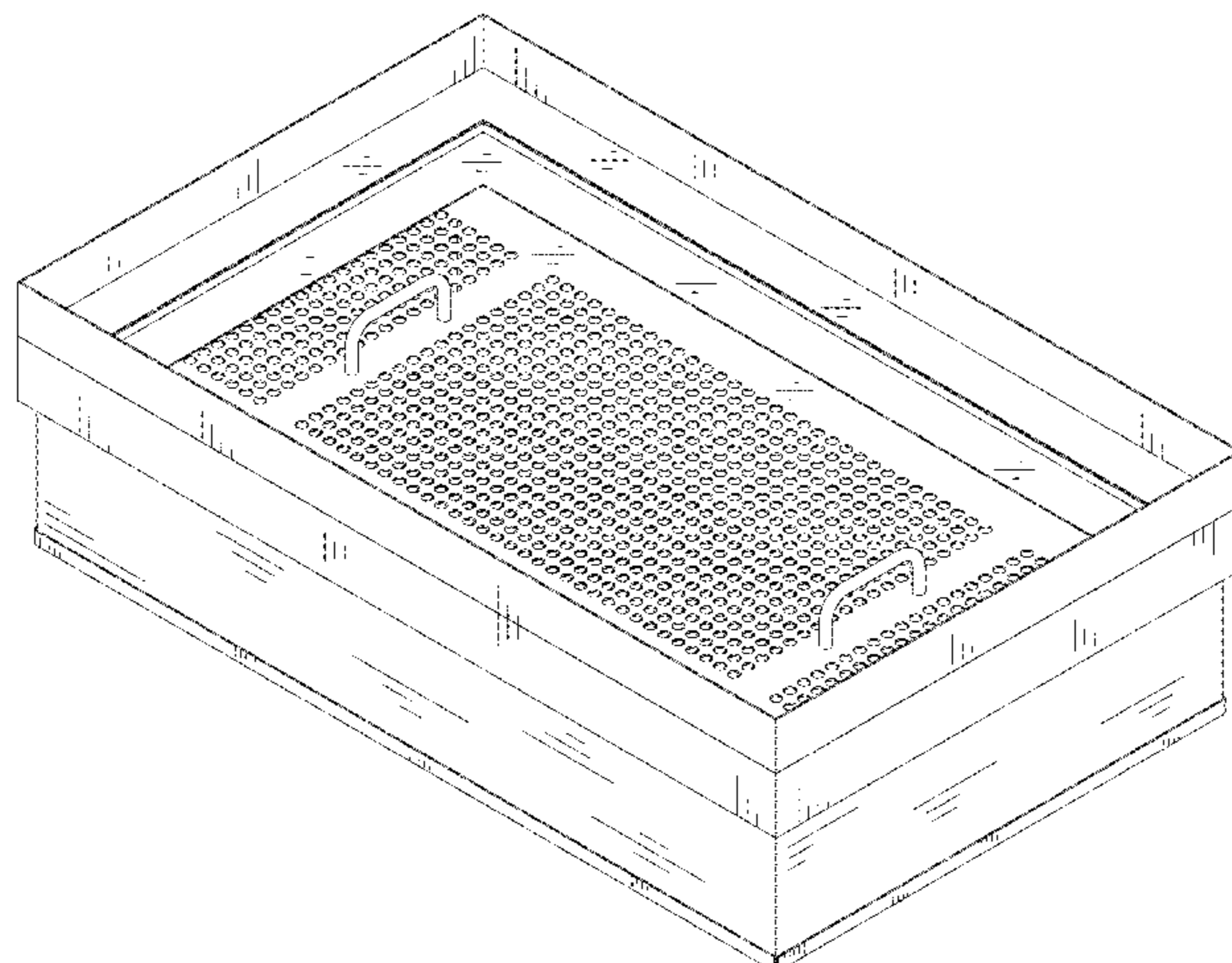
FIG. 1 is a perspective view from the top of a vertical heating module.  
FIG. 2 is a front view of the vertical heating module.  
FIG. 3 is a rear view of the vertical heating module.  
FIG. 4 is a left side view of the vertical heating module.  
FIG. 5 is a right side view of the vertical heating module.  
FIG. 6 is a top view of the vertical heating module.  
FIG. 7 is a bottom view of the vertical heating module; and, FIG. 8 is a perspective view from the bottom of the vertical heating module.

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**1 Claim, 8 Drawing Sheets**



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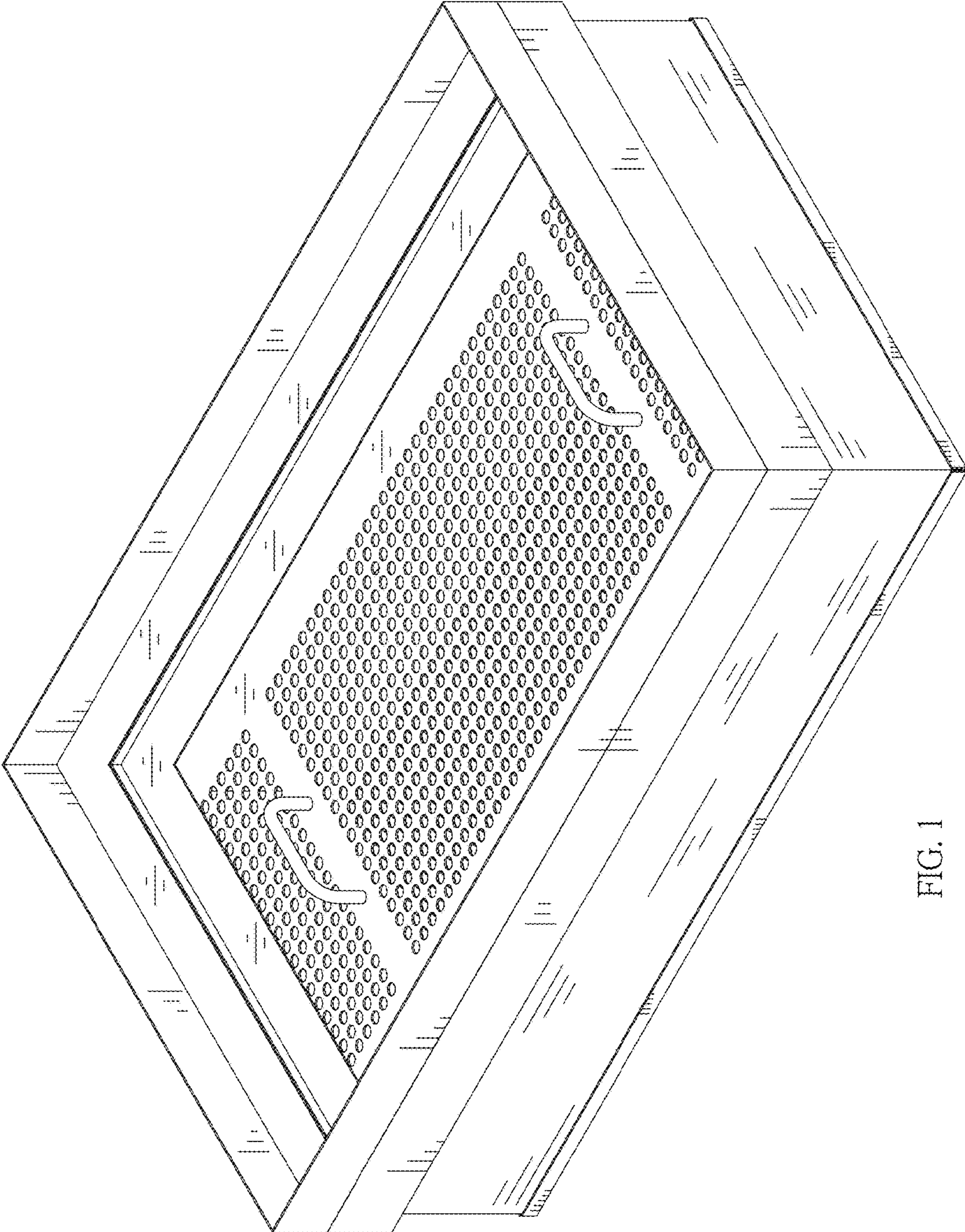


FIG. 1

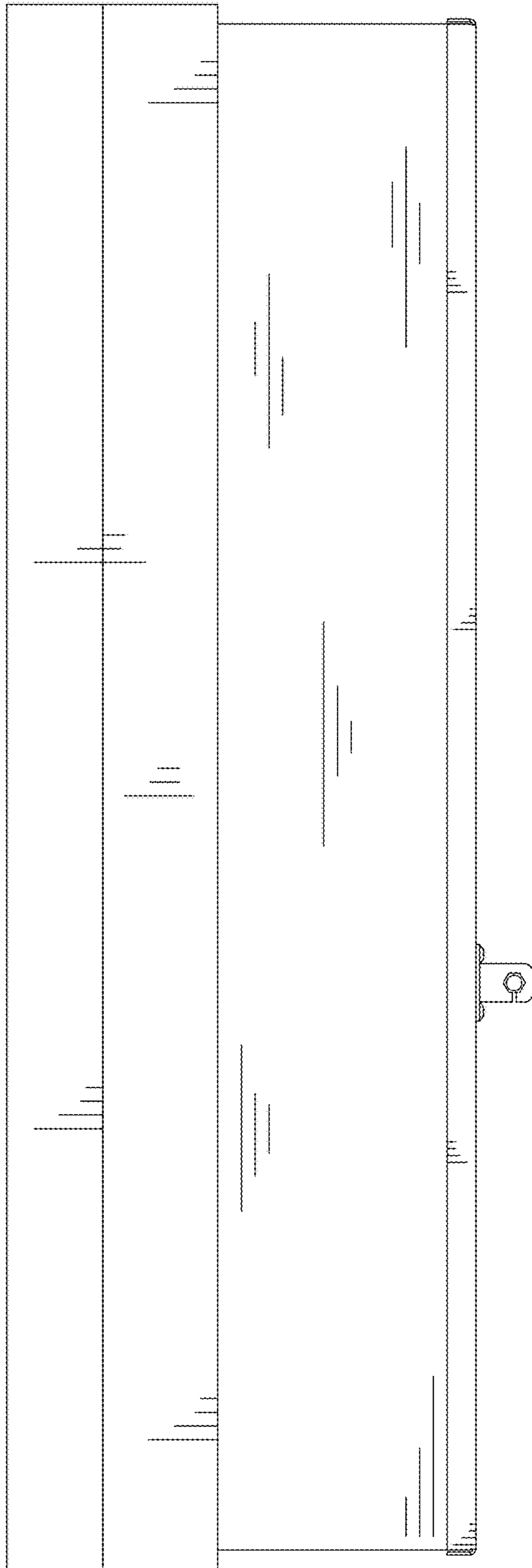


FIG. 2

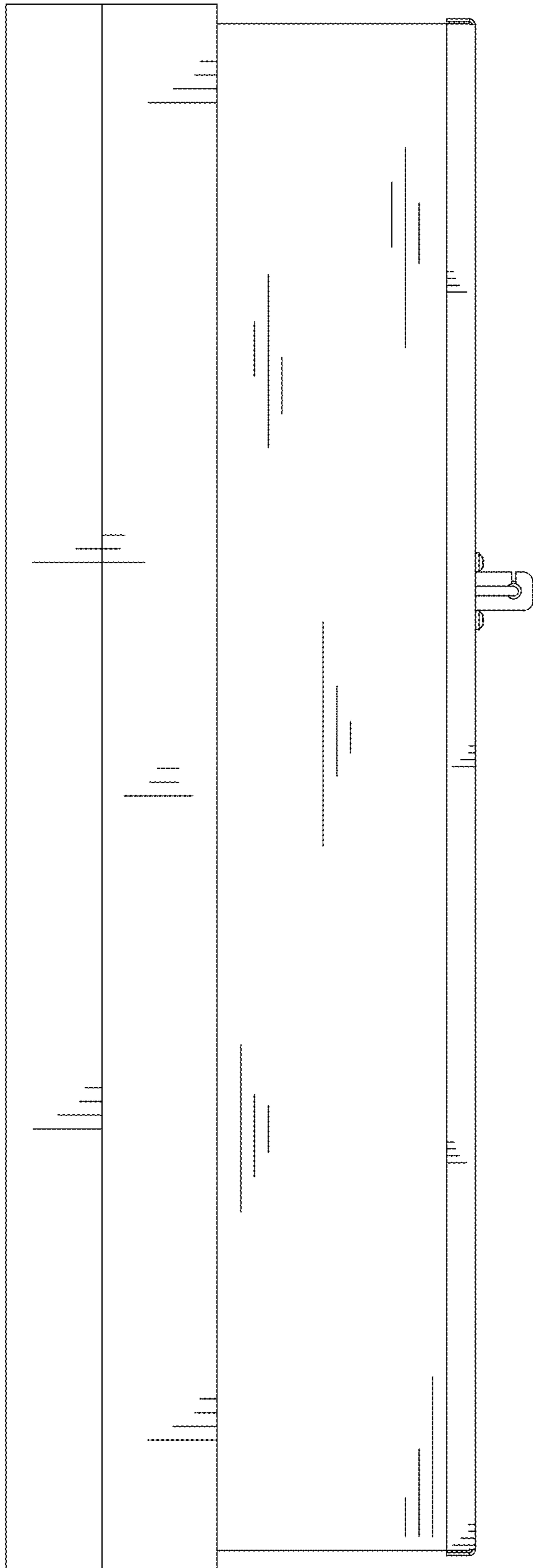


FIG. 3

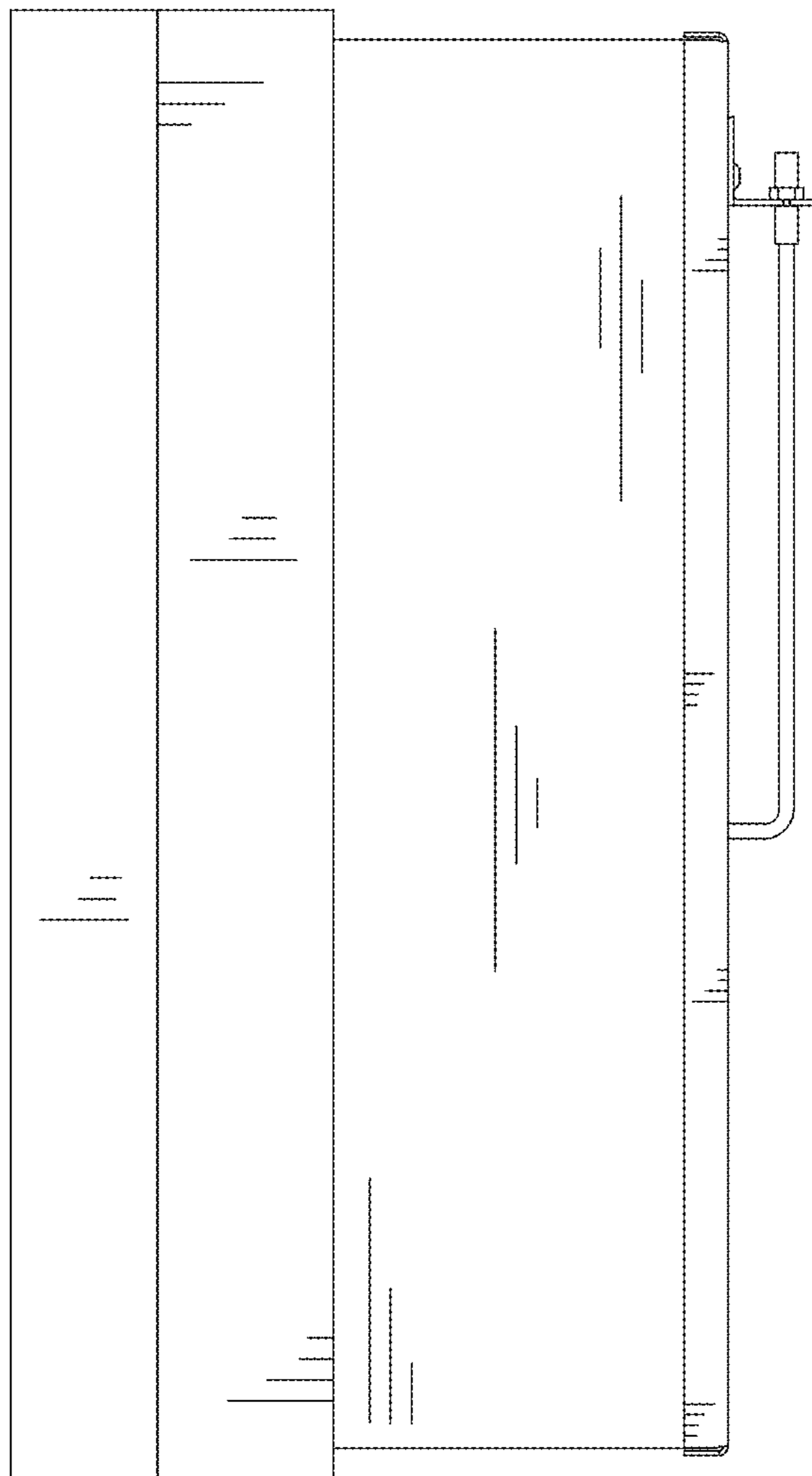


FIG. 4

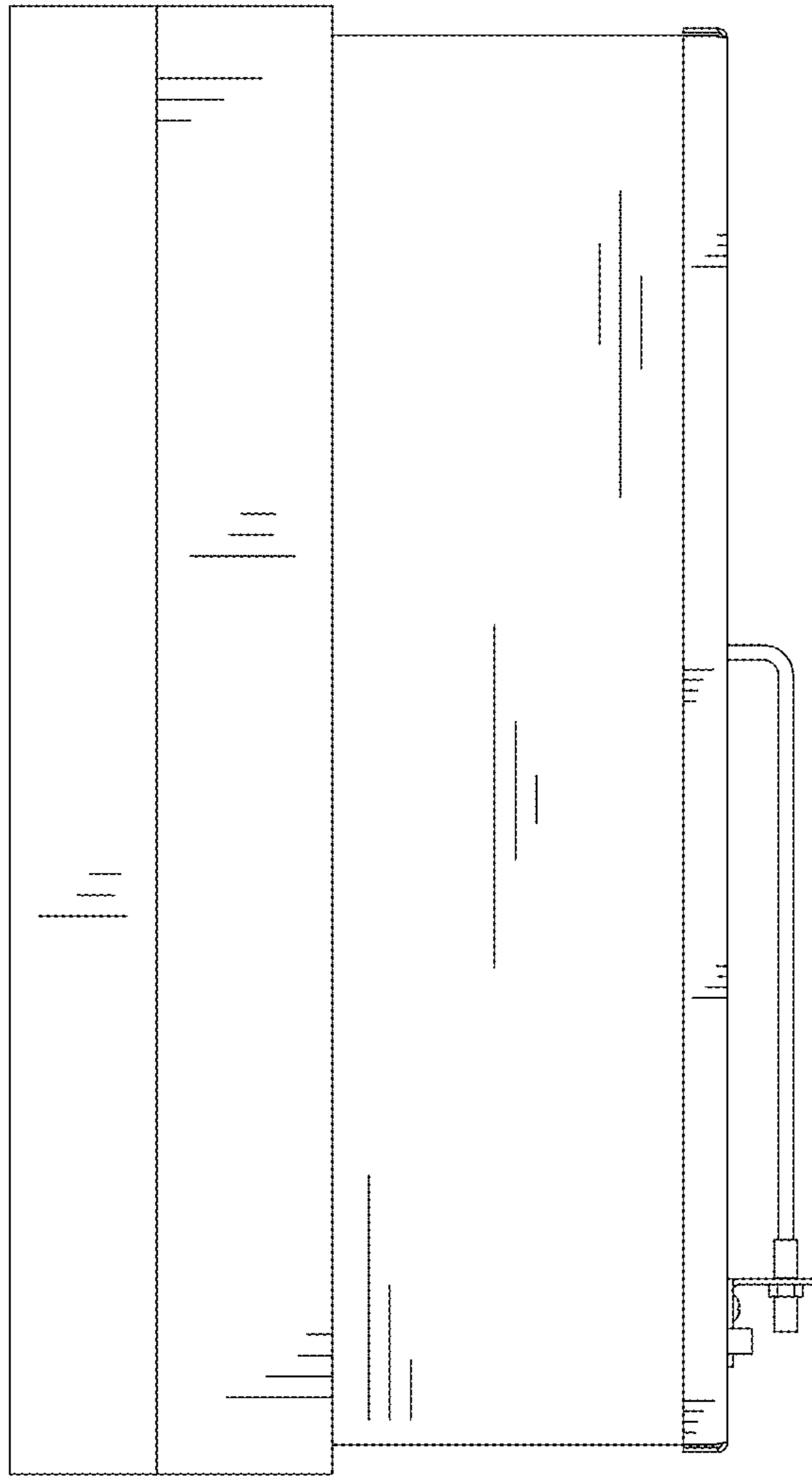


FIG. 5

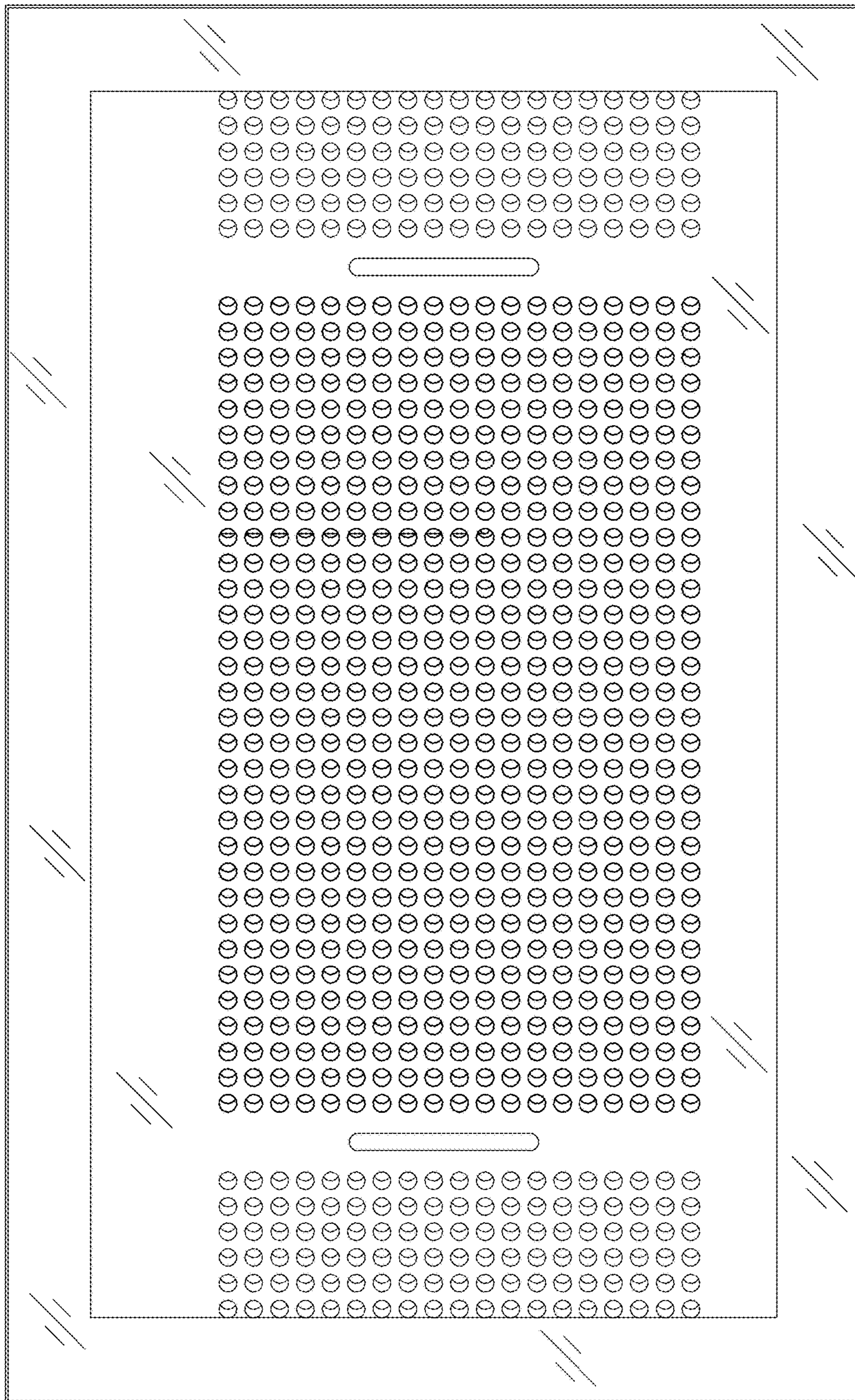


FIG. 6



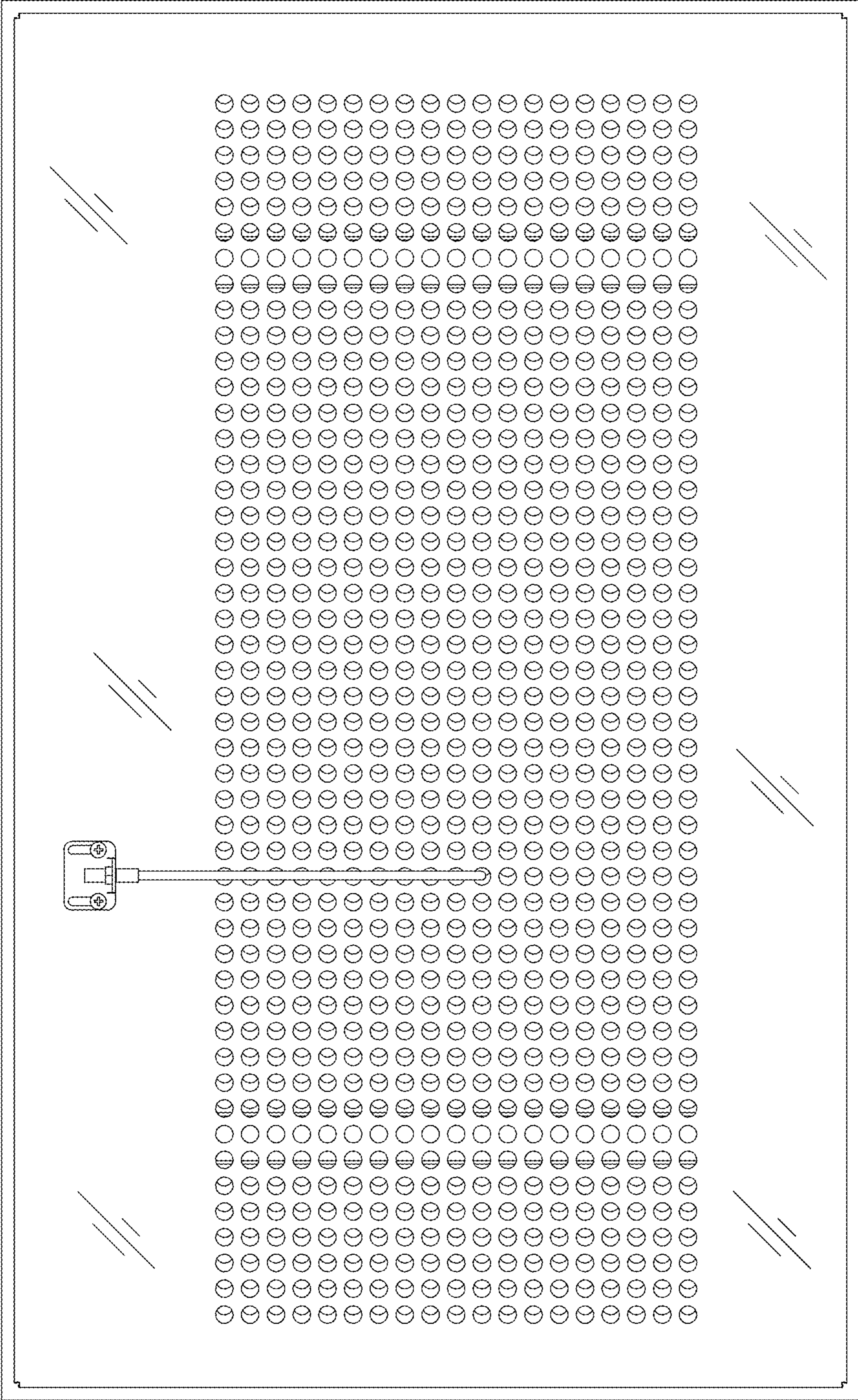


FIG. 7

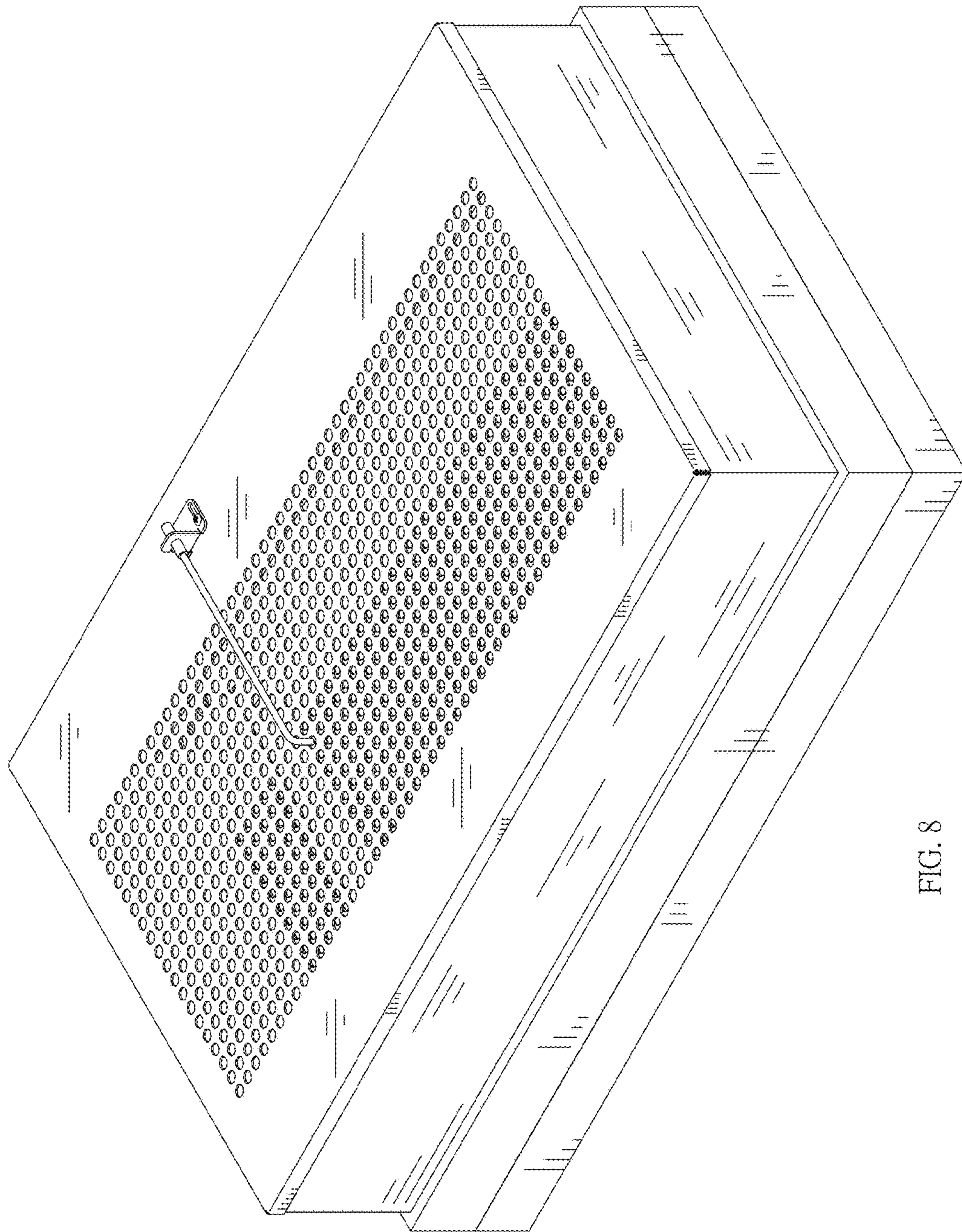


FIG. 8