



US00D924148S

(12) **United States Design Patent** (10) **Patent No.:** **US D924,148 S**  
**C. et al.** (45) **Date of Patent:** **\*\* Jul. 6, 2021**

(54) **CONNECTOR**

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**Pierre Perez**, Aurora, IL (US)

(73) Assignee: **Molex, LLC**, Lisle, IL (US)

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

(21) Appl. No.: **29/700,204**

(22) Filed: **Jul. 31, 2019**

(51) **LOC (13) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/133; D13/147**

(58) **Field of Classification Search**  
USPC ..... D13/110, 118, 120, 133, 146, 147, 153,  
D13/154; D14/433, 435

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,432,802 A \* 3/1969 Ritchie ..... H01R 13/506  
439/465  
5,658,156 A \* 8/1997 Henderson ..... H01R 12/716  
439/79

(Continued)

**FOREIGN PATENT DOCUMENTS**

TW D174716 4/2016  
TW D184271 7/2017

(Continued)

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(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(57) **CLAIM**

The ornamental design for a connector, as shown and described.

**DESCRIPTION**

FIG. 1 is a front top perspective view of a connector showing our new design;

FIG. 2 is a front bottom perspective view thereof;

FIG. 3 is a rear perspective view thereof;

FIG. 4 is a front view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a top view thereof;

FIG. 7 is a bottom view thereof;

FIG. 8 is a right side view thereof;

FIG. 9 is a left side view thereof;

FIG. 10 is a front top perspective view of an alternative embodiment of a connector showing our new design;

FIG. 11 is a front bottom perspective view thereof;

FIG. 12 is a rear perspective view thereof;

FIG. 13 is a front view thereof;

FIG. 14 is a rear view thereof;

FIG. 15 is a top view thereof;

FIG. 16 is a bottom view thereof;

FIG. 17 is a right side view thereof;

FIG. 18 is a left side view thereof;

FIG. 19 is a front top perspective view of an alternative embodiment of a connector showing our new design;

FIG. 20 is a front bottom perspective view thereof;

FIG. 21 is a rear perspective view thereof;

FIG. 22 is a front view thereof;

FIG. 23 is a rear view thereof;

FIG. 24 is a top view thereof;

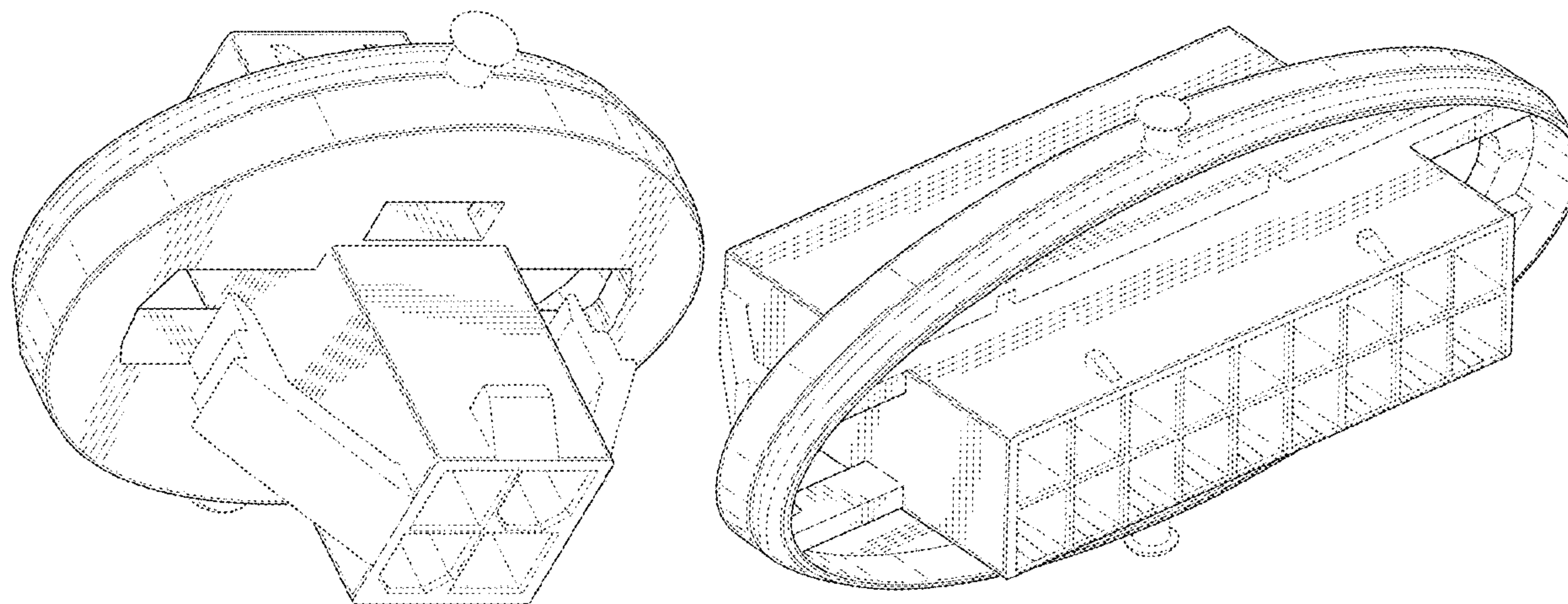
FIG. 25 is a bottom view thereof;

FIG. 26 is a right side view thereof; and,

FIG. 27 is a left side view thereof.

The broken lines immediately adjacent to the shaded areas represent the bounds of the claimed design and form no part thereof. The unshaded broken line features within the shaded areas form no part of the claimed design. The broken lines depicting the remainder of the connector show features that form no part of the claimed design.

**1 Claim, 27 Drawing Sheets**



(58) **Field of Classification Search**

CPC .. H01R 13/506; H01R 13/516; H01R 13/518;  
H01R 13/58; H01R 13/56315; H01R  
13/62; H01R 13/64; H01R 13/641; H01R  
9/09; H01R 9/11

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,697,805 A \* 12/1997 Orstad ..... H01R 13/6315  
439/374  
D410,629 S \* 6/1999 Bandura ..... D13/147  
D434,384 S \* 11/2000 Hwang ..... D13/147  
D463,371 S \* 9/2002 Lee ..... D13/147  
D488,778 S \* 4/2004 Ushiro ..... D13/133  
D810,033 S \* 2/2018 Otsuka ..... D13/173  
D840,938 S \* 2/2019 Hsu ..... D13/147  
D857,006 S \* 8/2019 DeVito ..... D14/256  
D887,986 S \* 6/2020 Ganamukhi ..... D13/147  
D894,126 S \* 8/2020 Somanathapura Ramanna .....  
D13/133  
D896,181 S \* 9/2020 Somanathapura Ramanna .....  
D13/133  
2012/0156918 A1\* 6/2012 Tao ..... H01R 13/64  
439/357  
2014/0308841 A1\* 10/2014 Zhu ..... H01R 13/64  
439/357

FOREIGN PATENT DOCUMENTS

TW D191412 7/2018  
TW D195941 2/2019  
WO D206920-012 \* 7/2020

\* cited by examiner

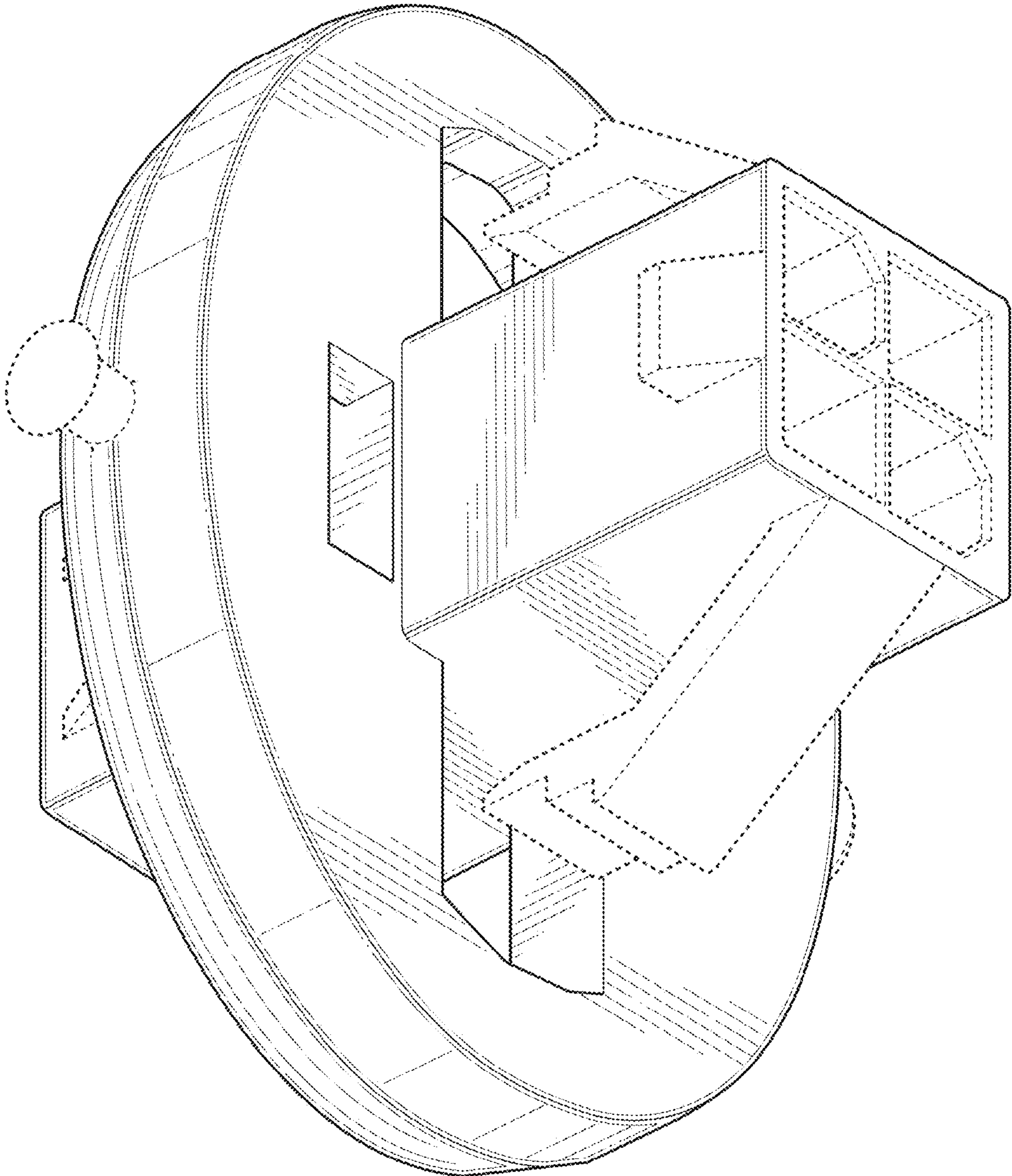


FIG. 1



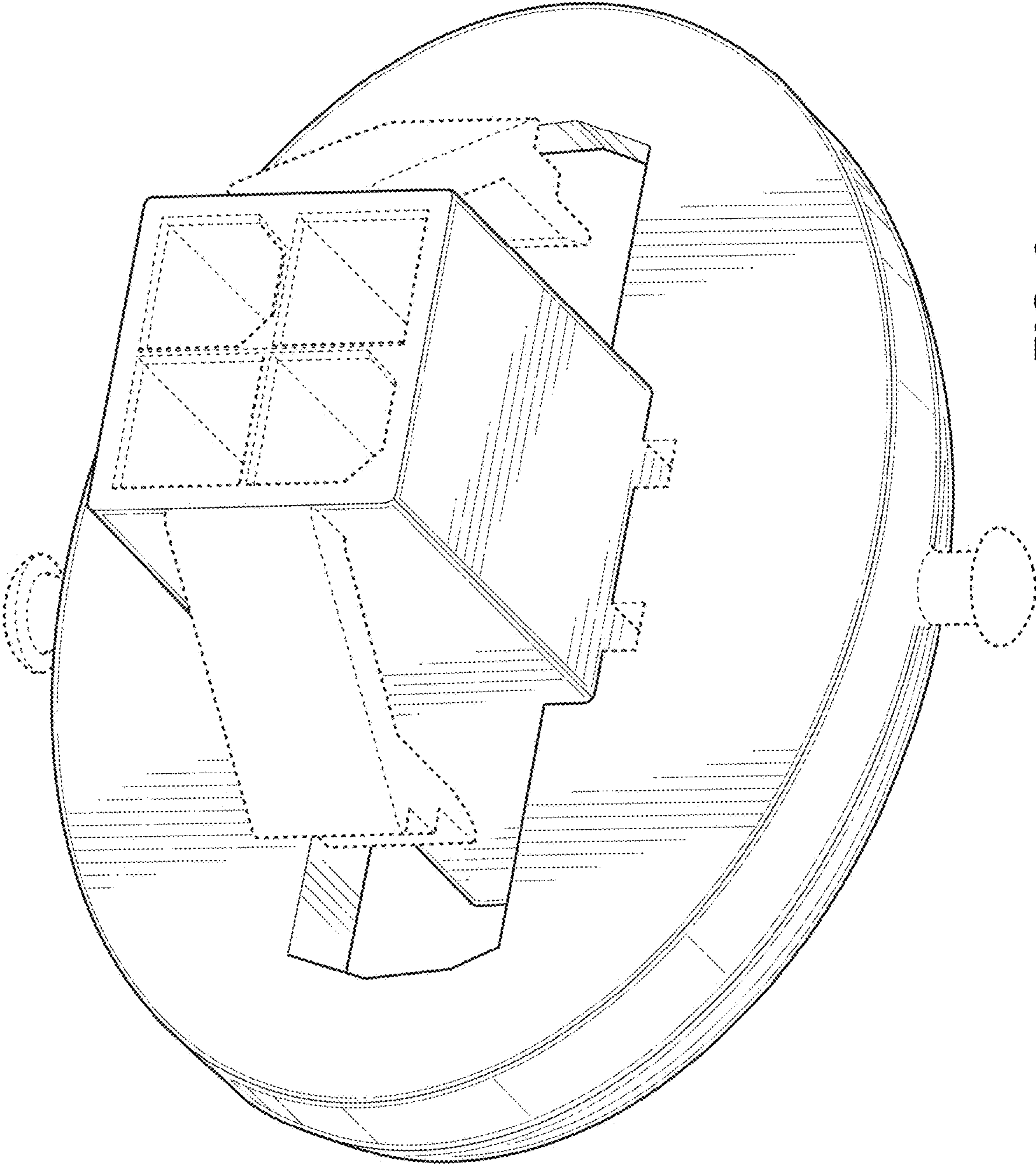


FIG. 2

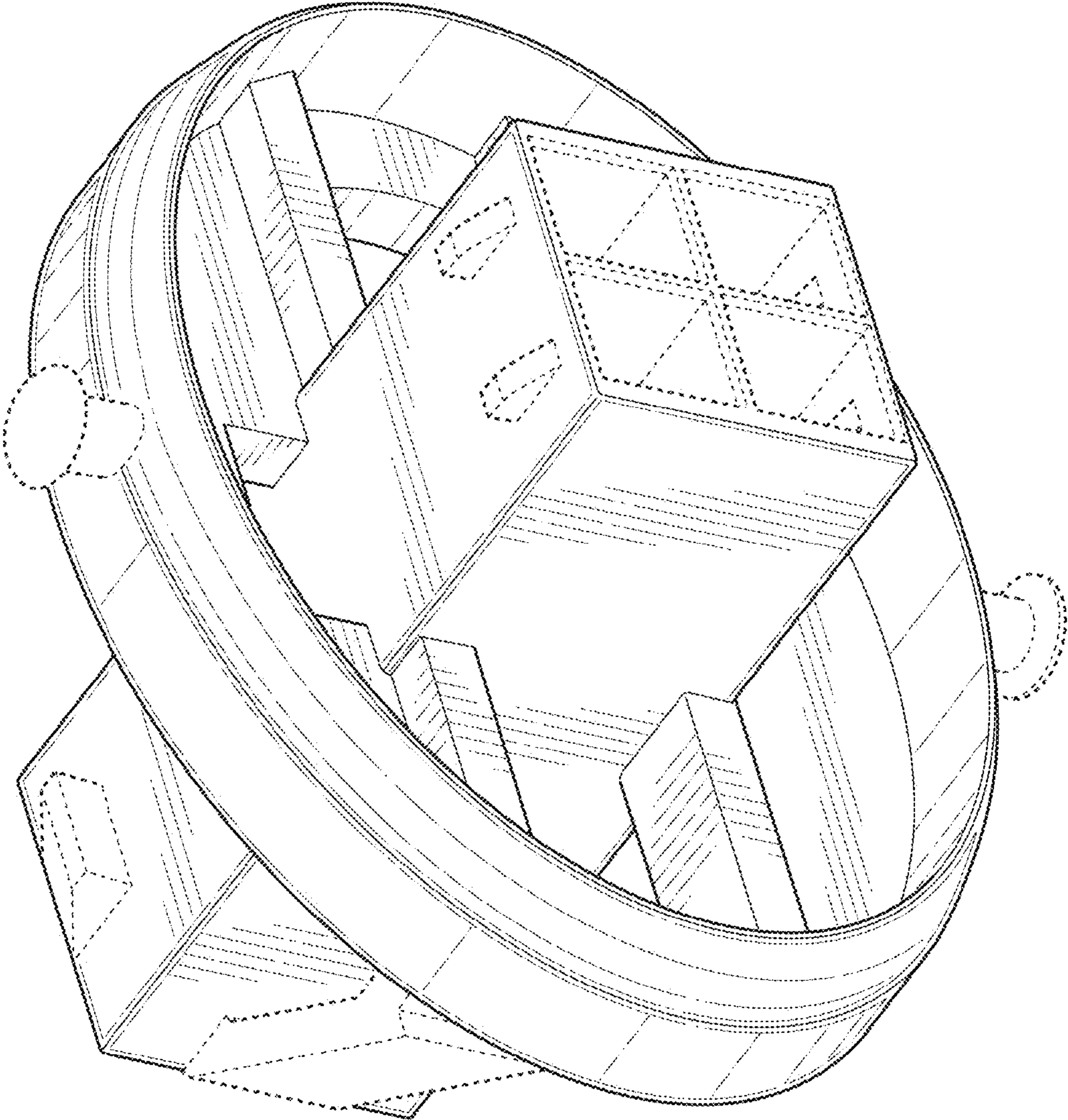


FIG. 3

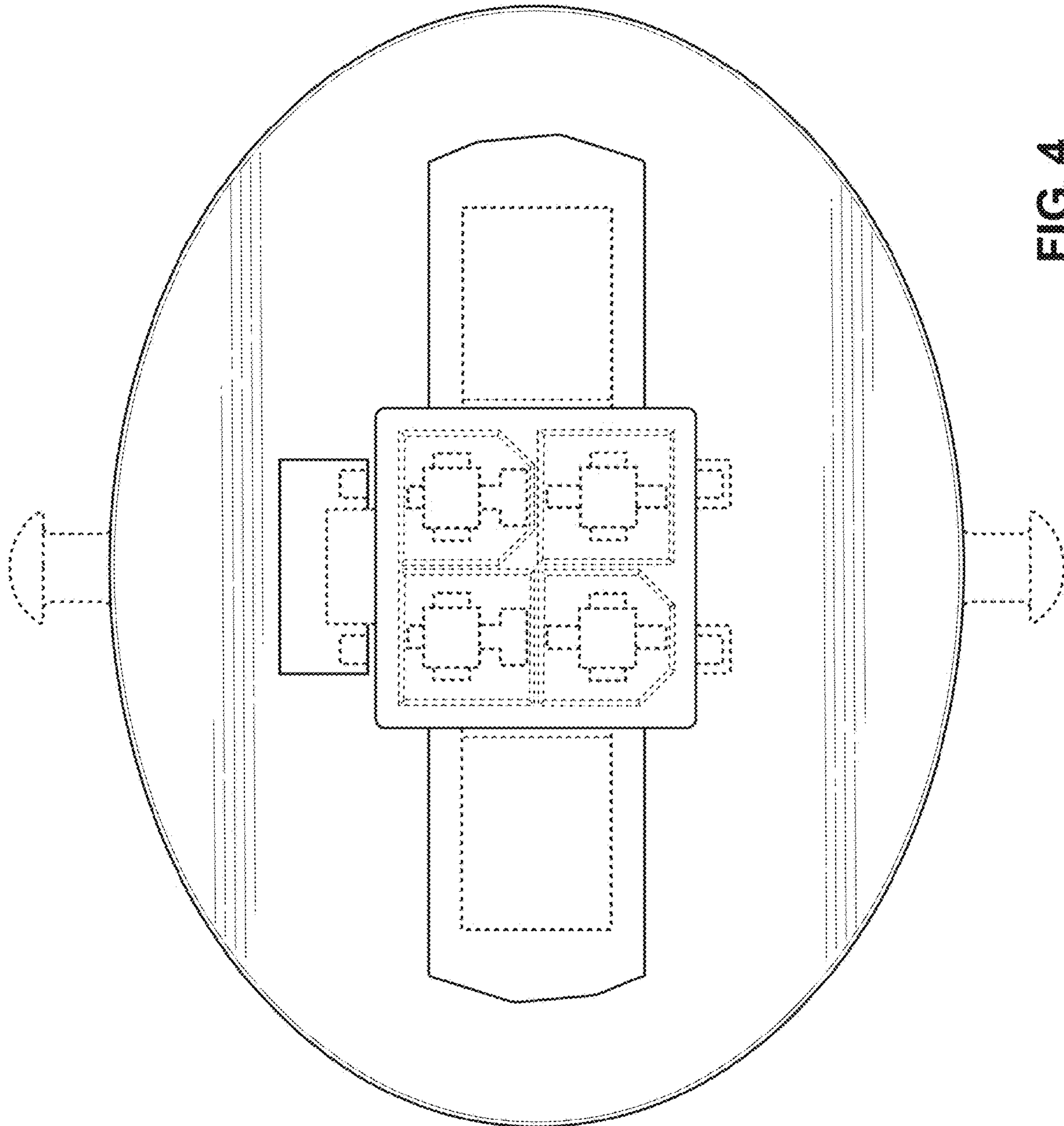


FIG. 4



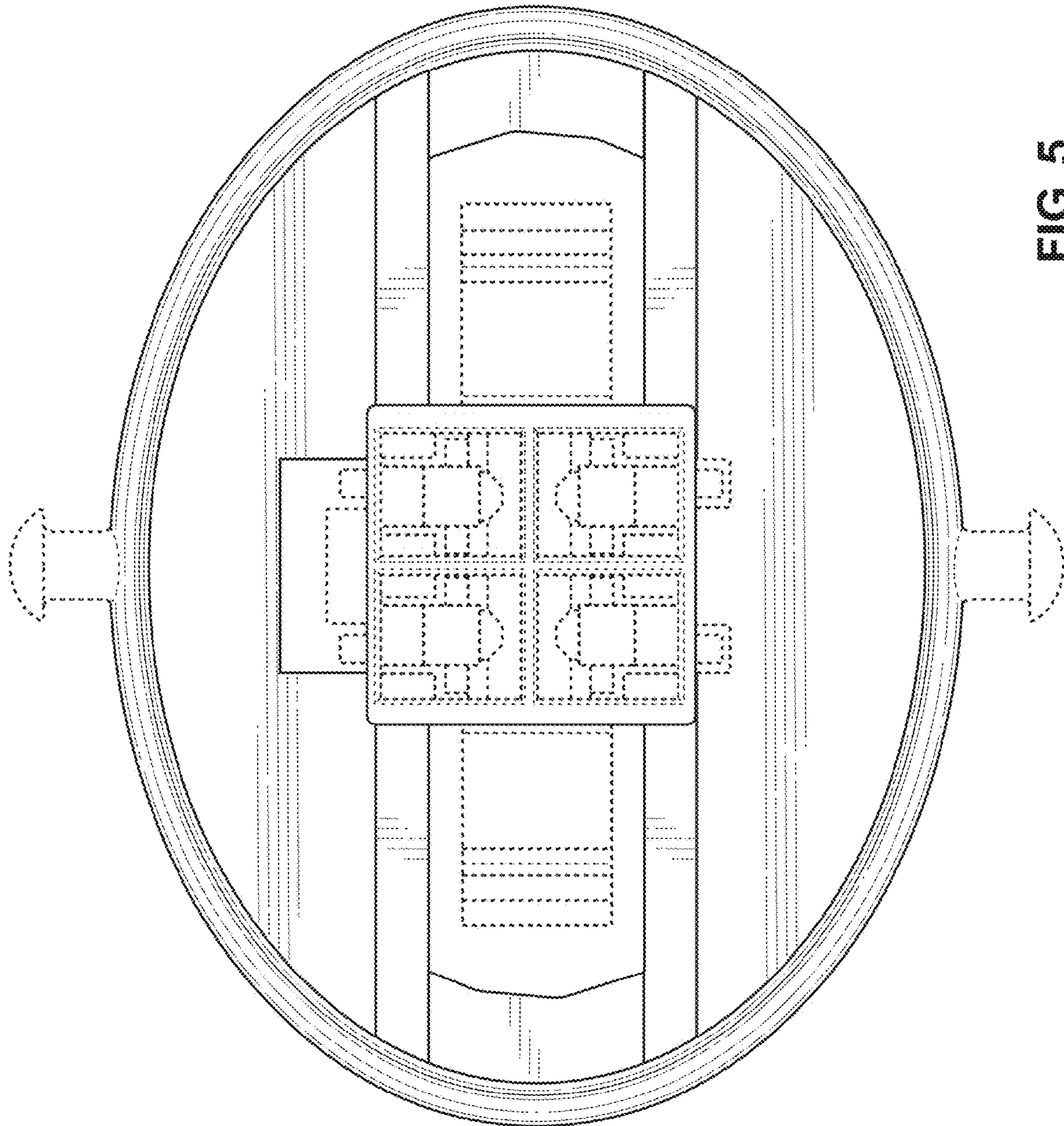


FIG. 5

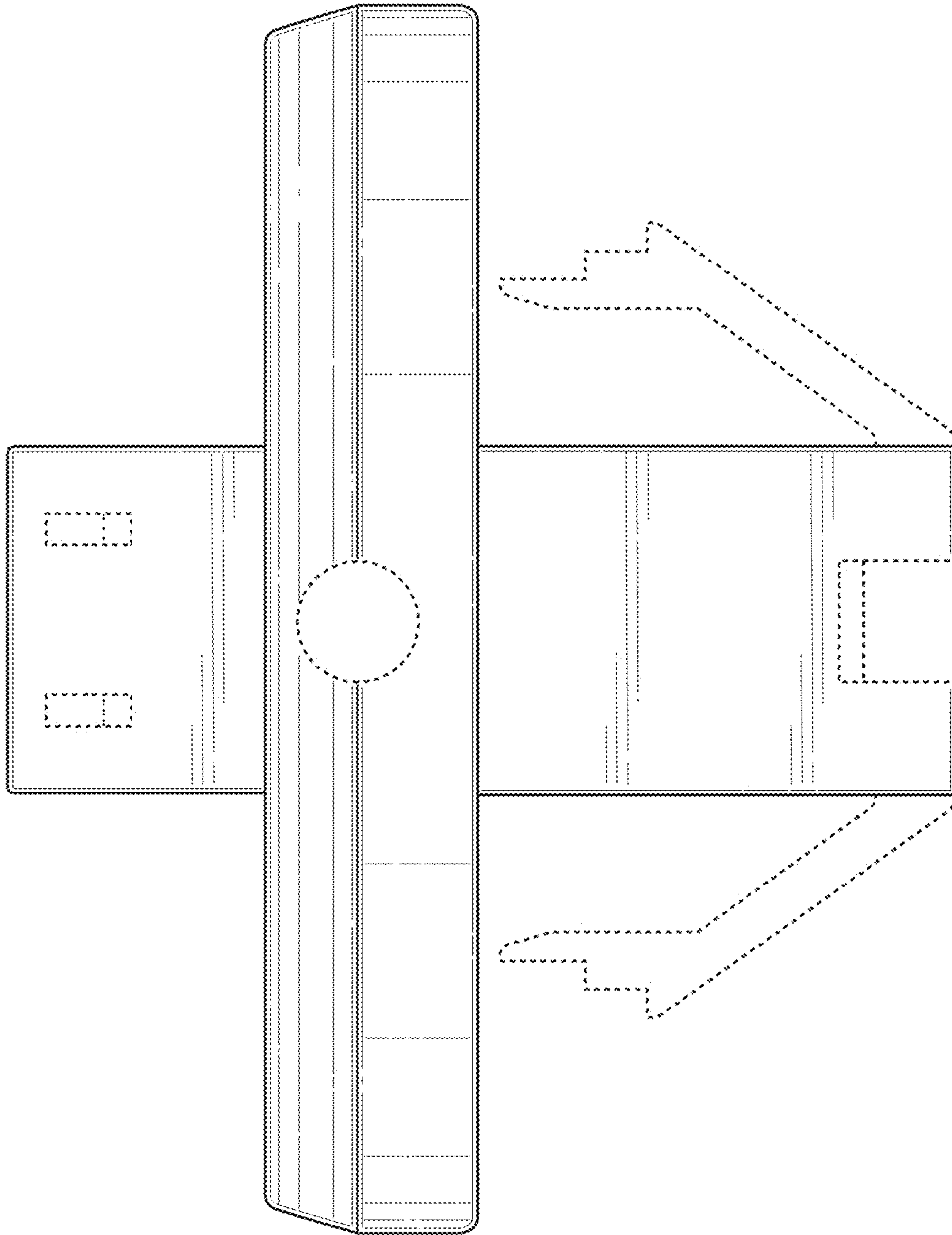


FIG. 6



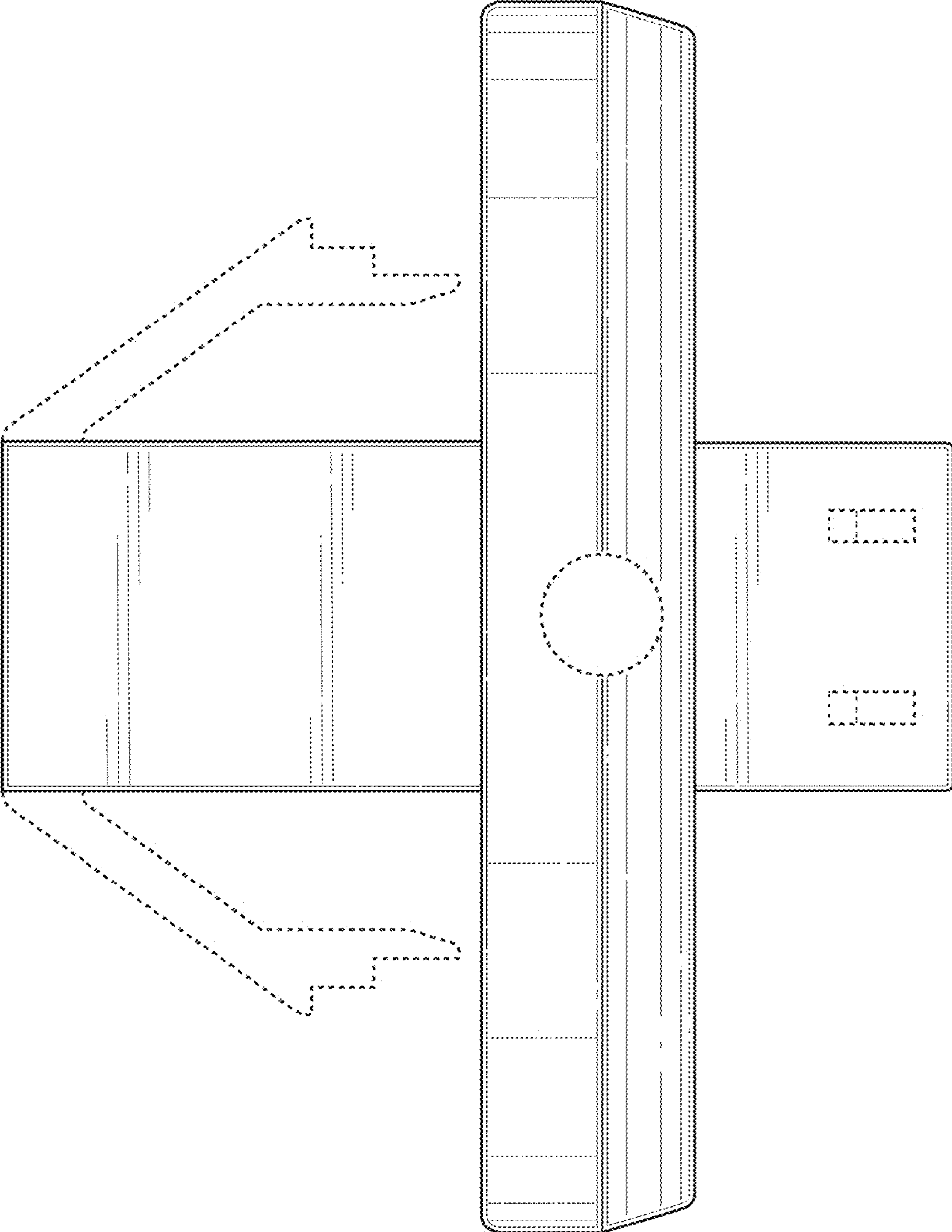


FIG. 7

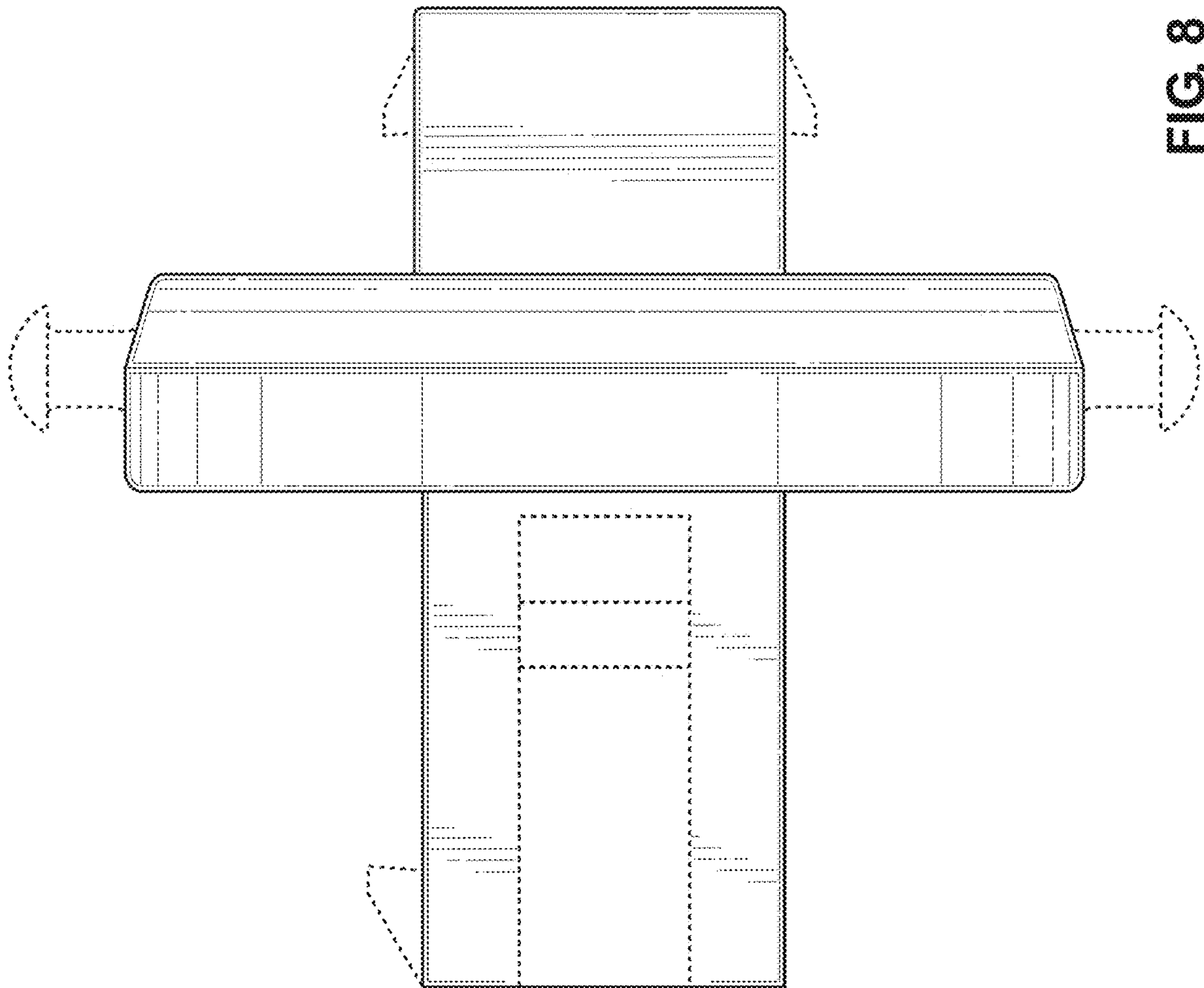


FIG. 8

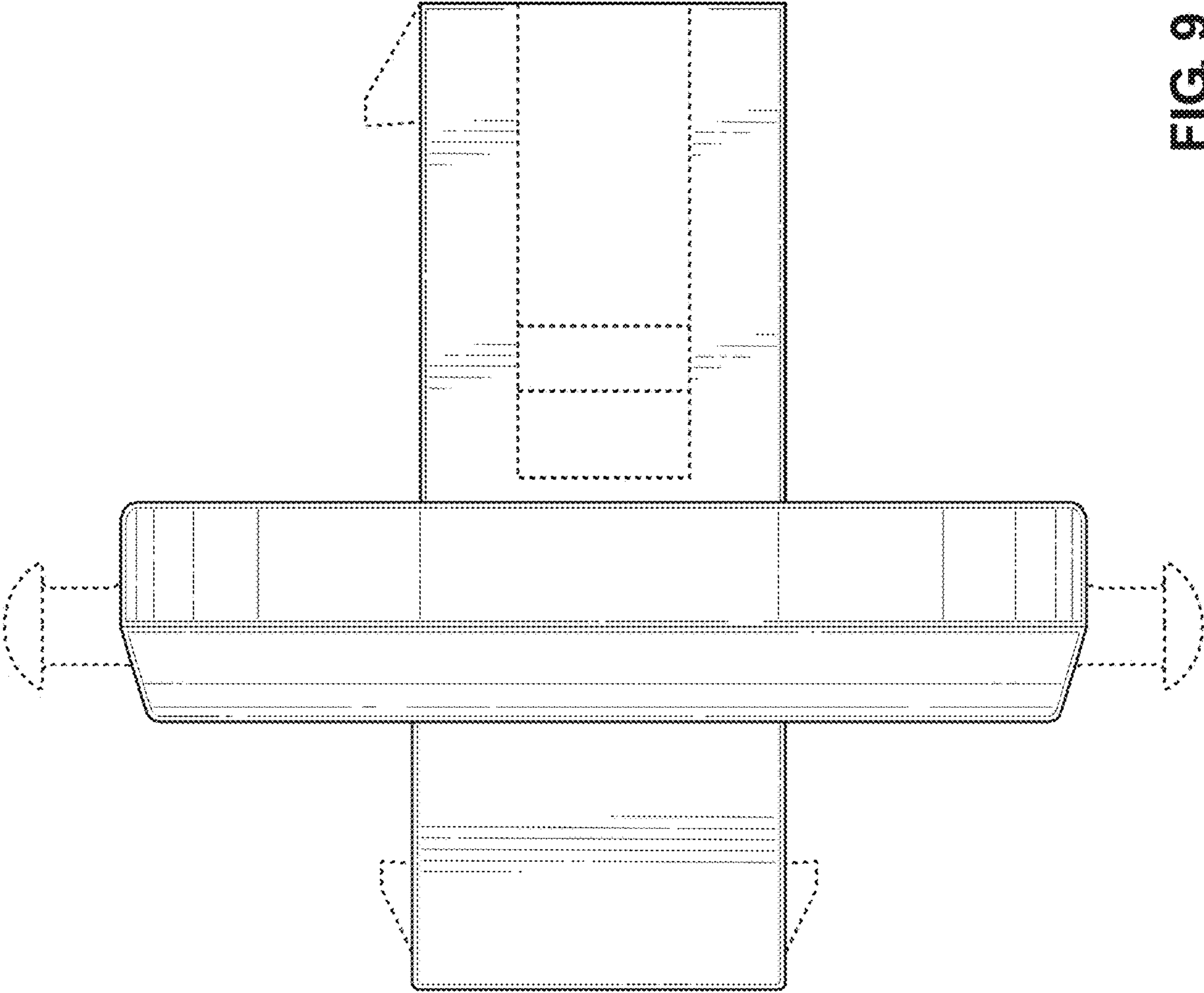


FIG. 9



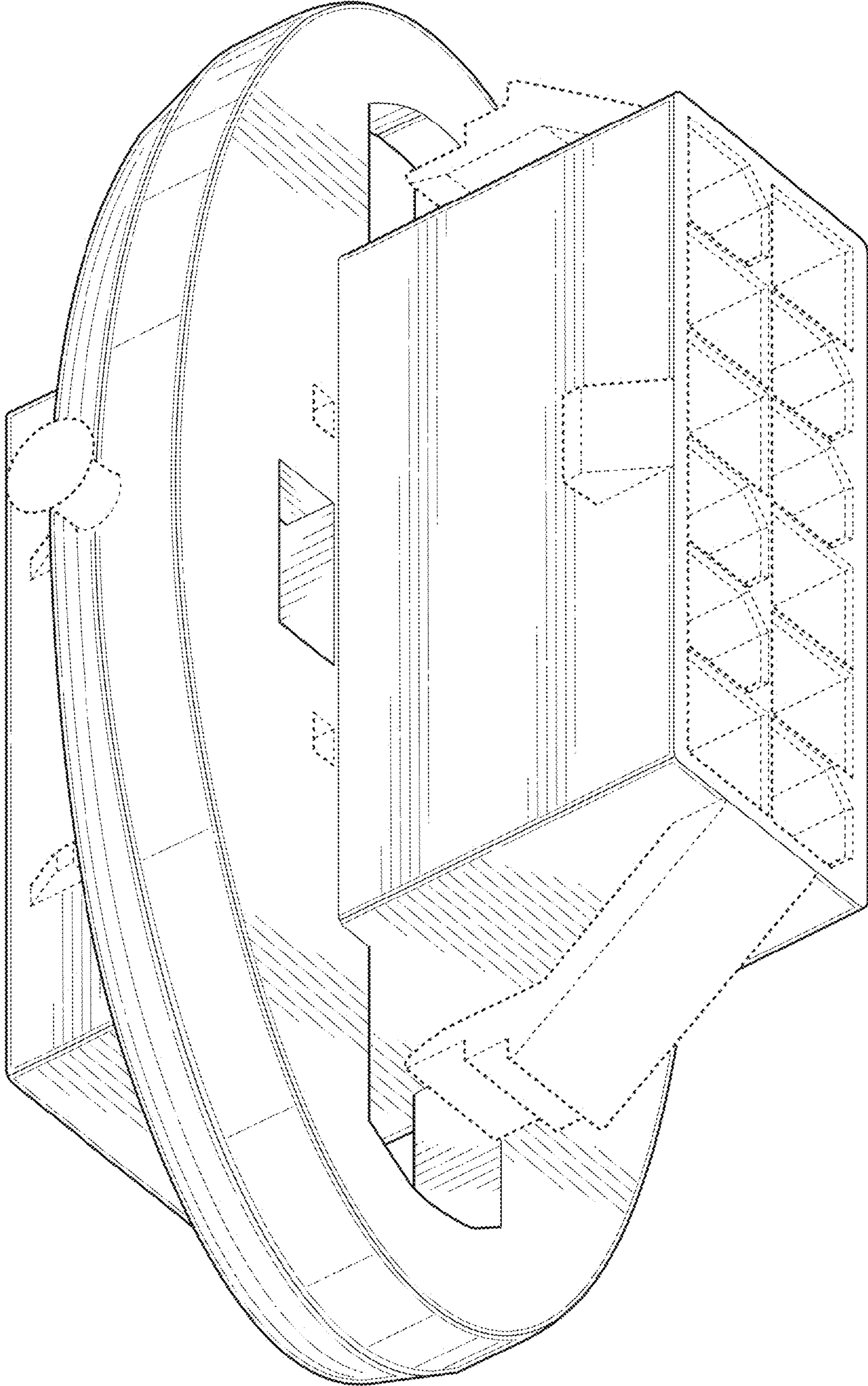


FIG. 10

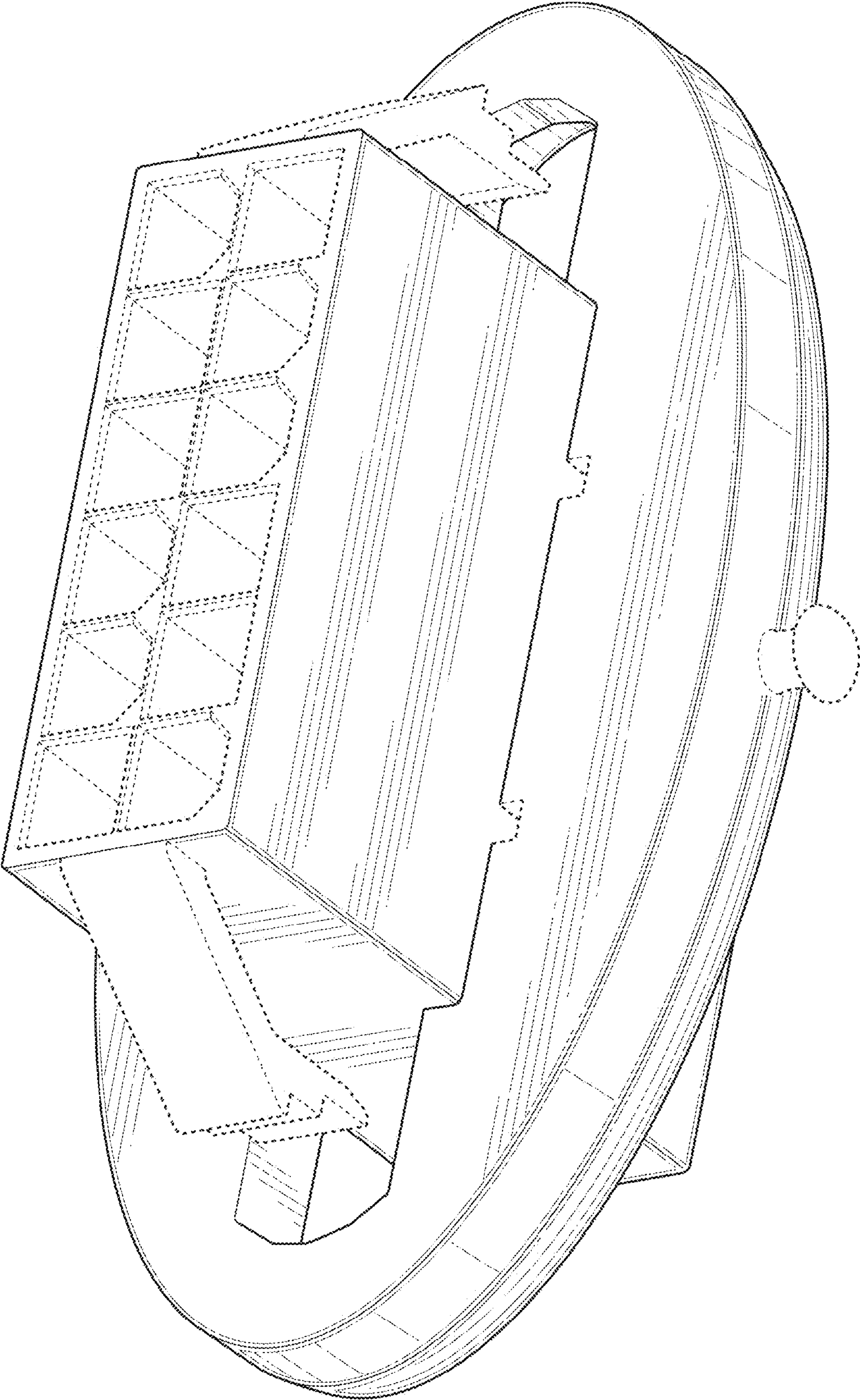


FIG. 11



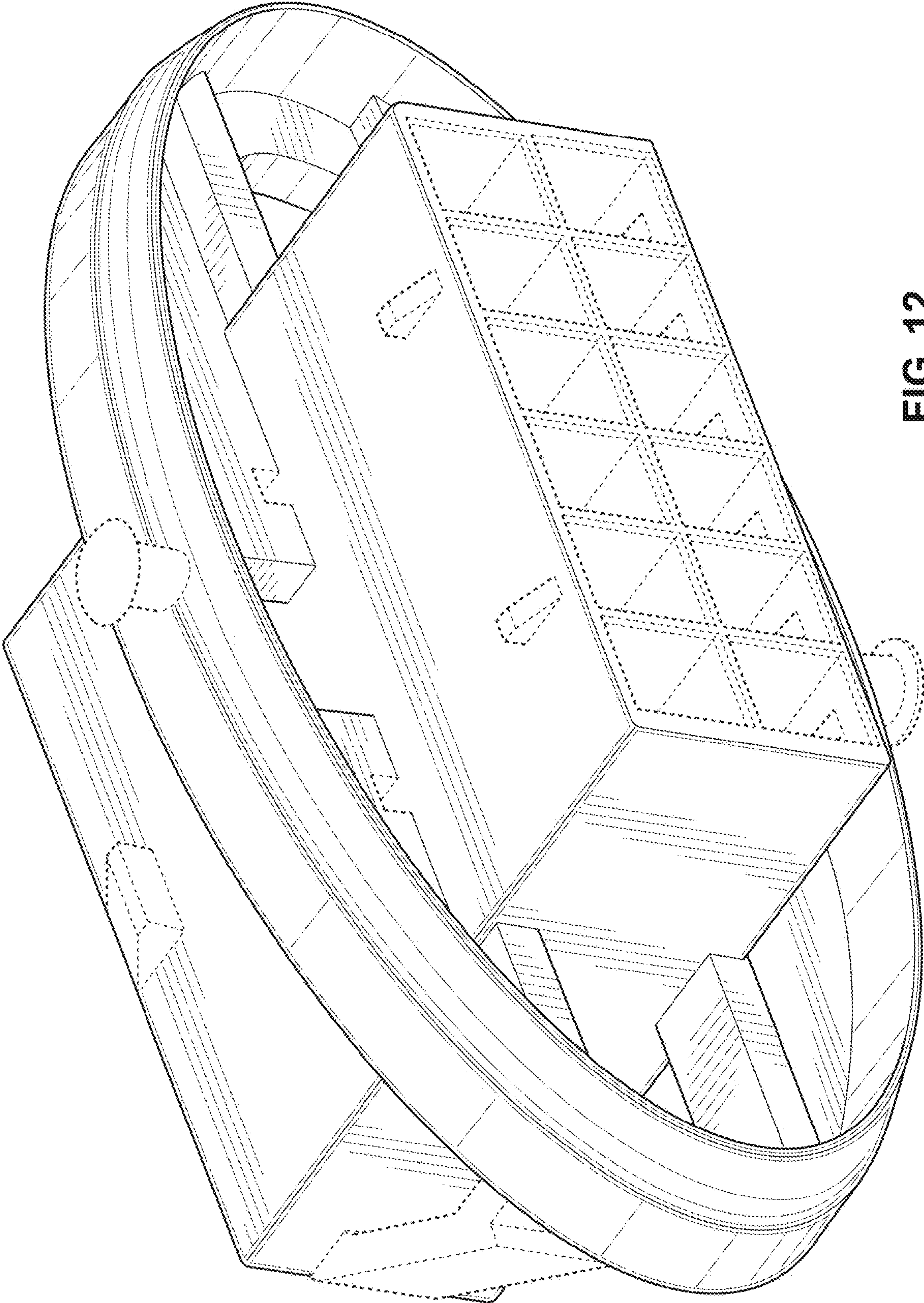


FIG. 12



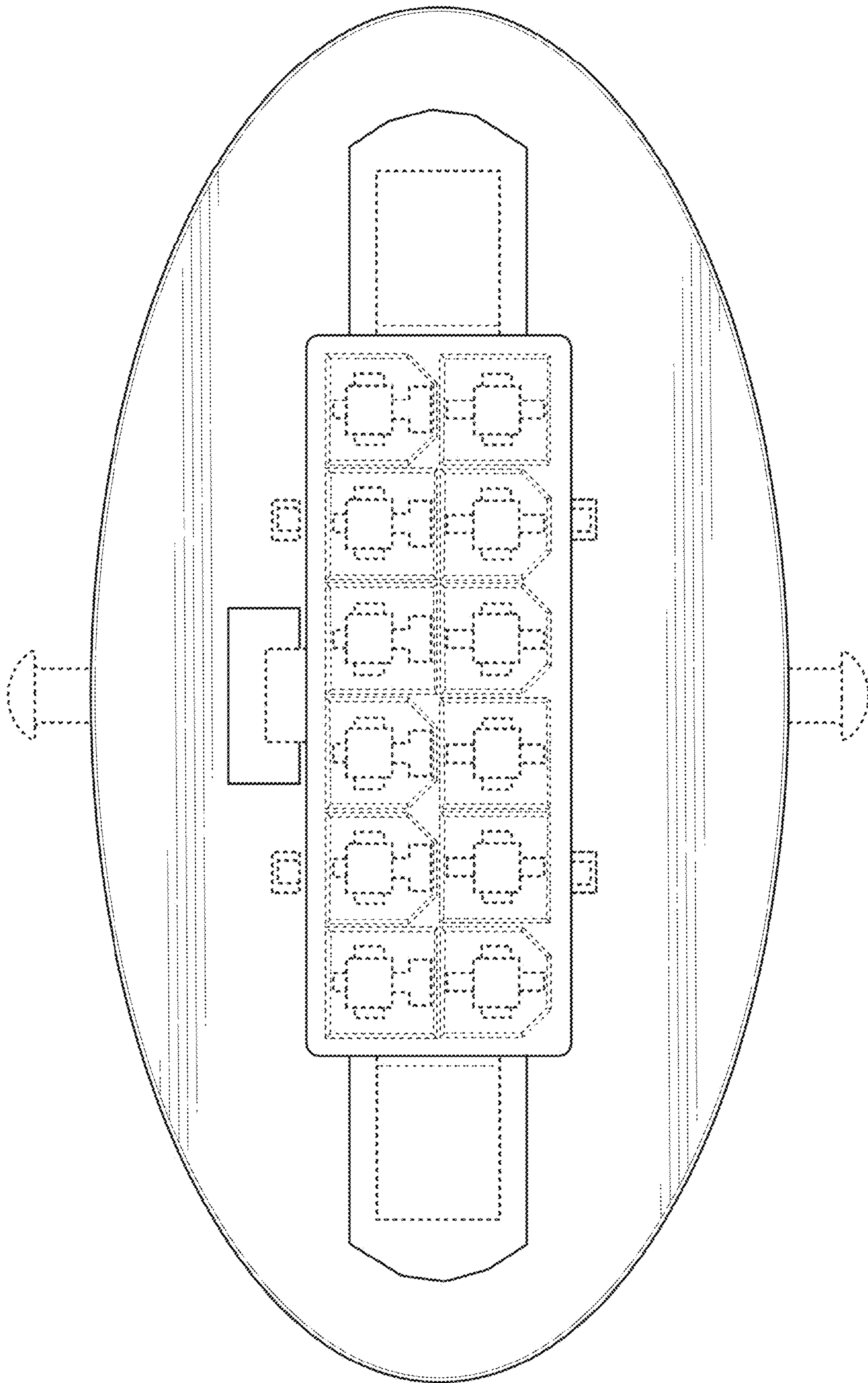


FIG. 13

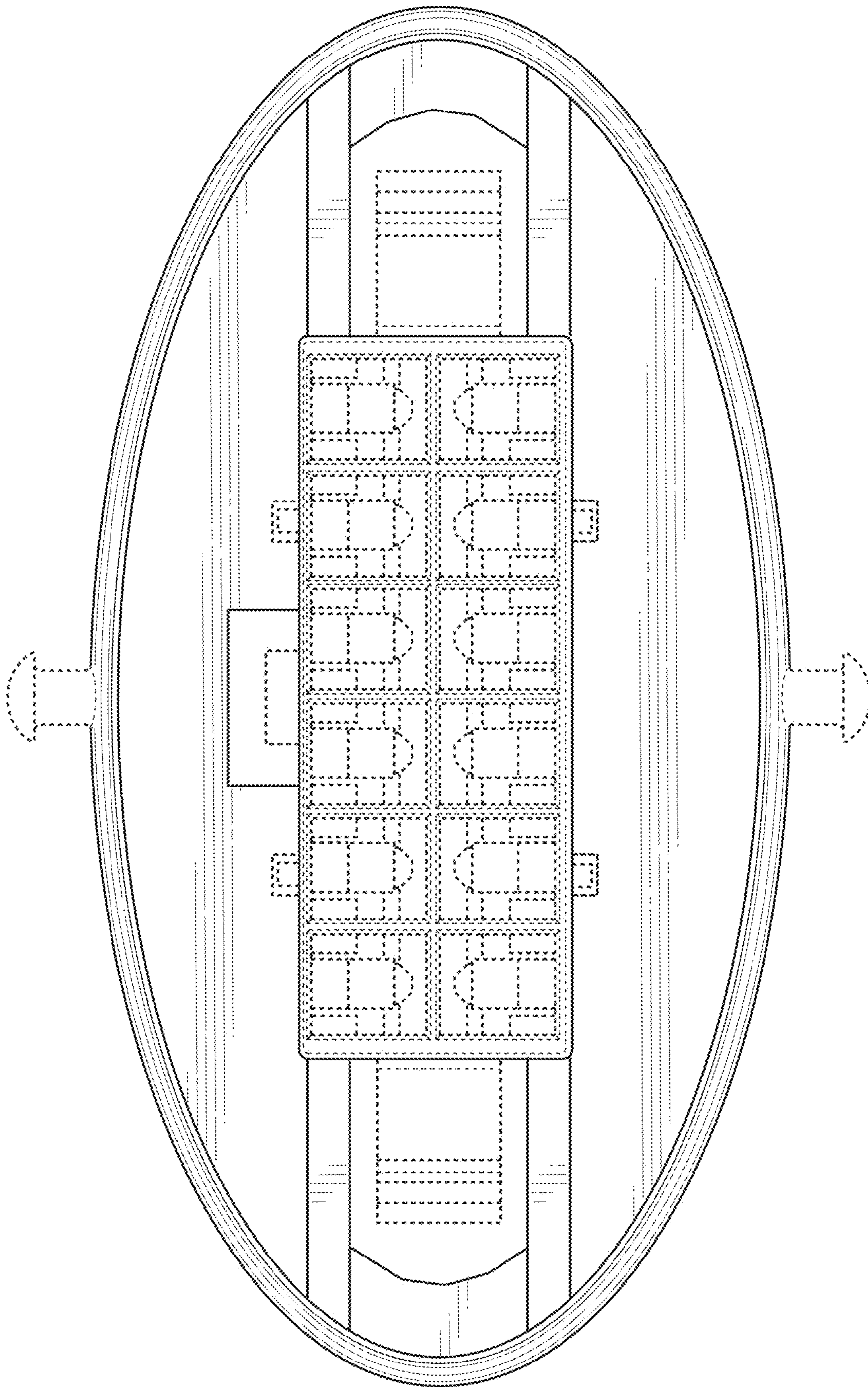


FIG. 14

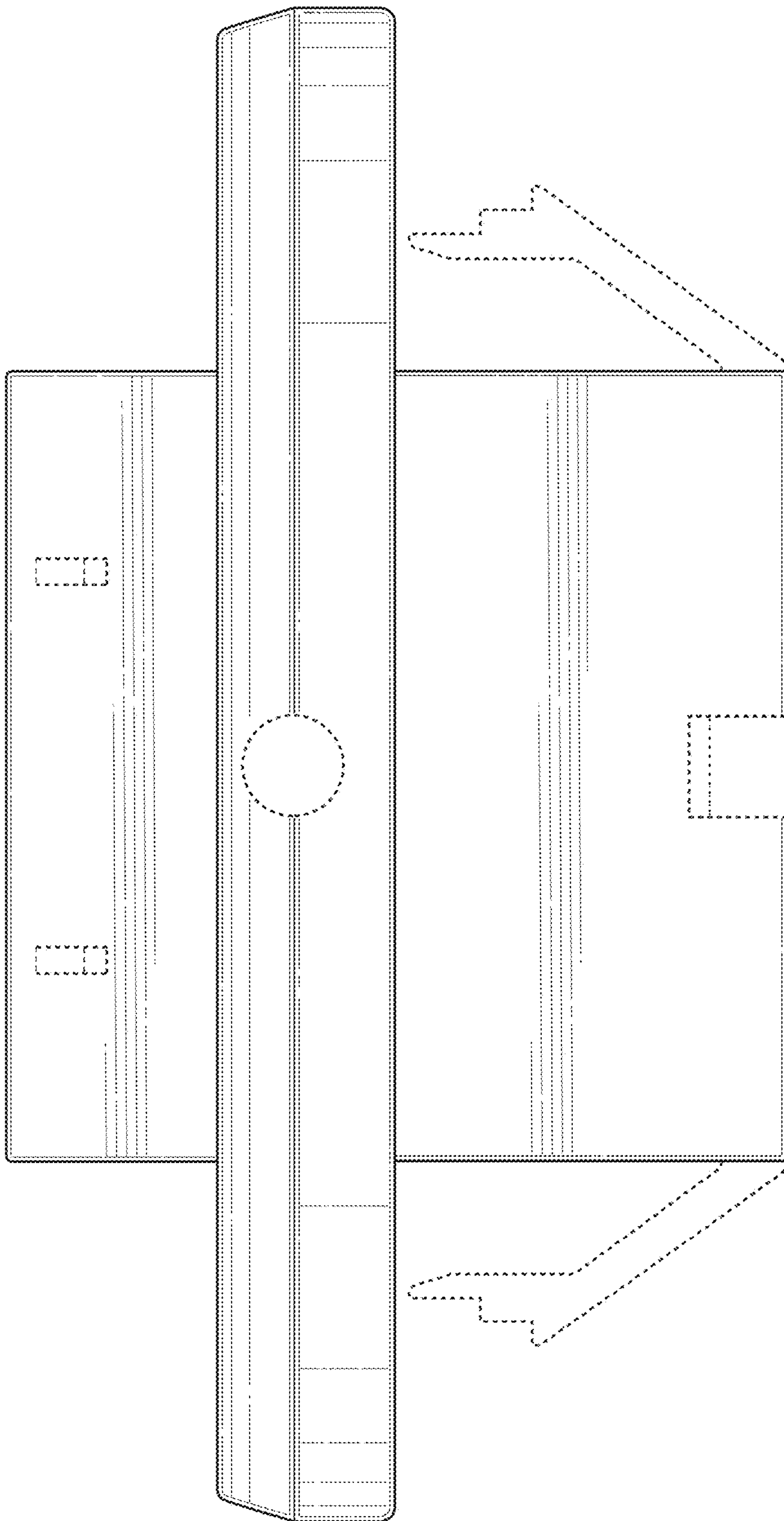


FIG. 15



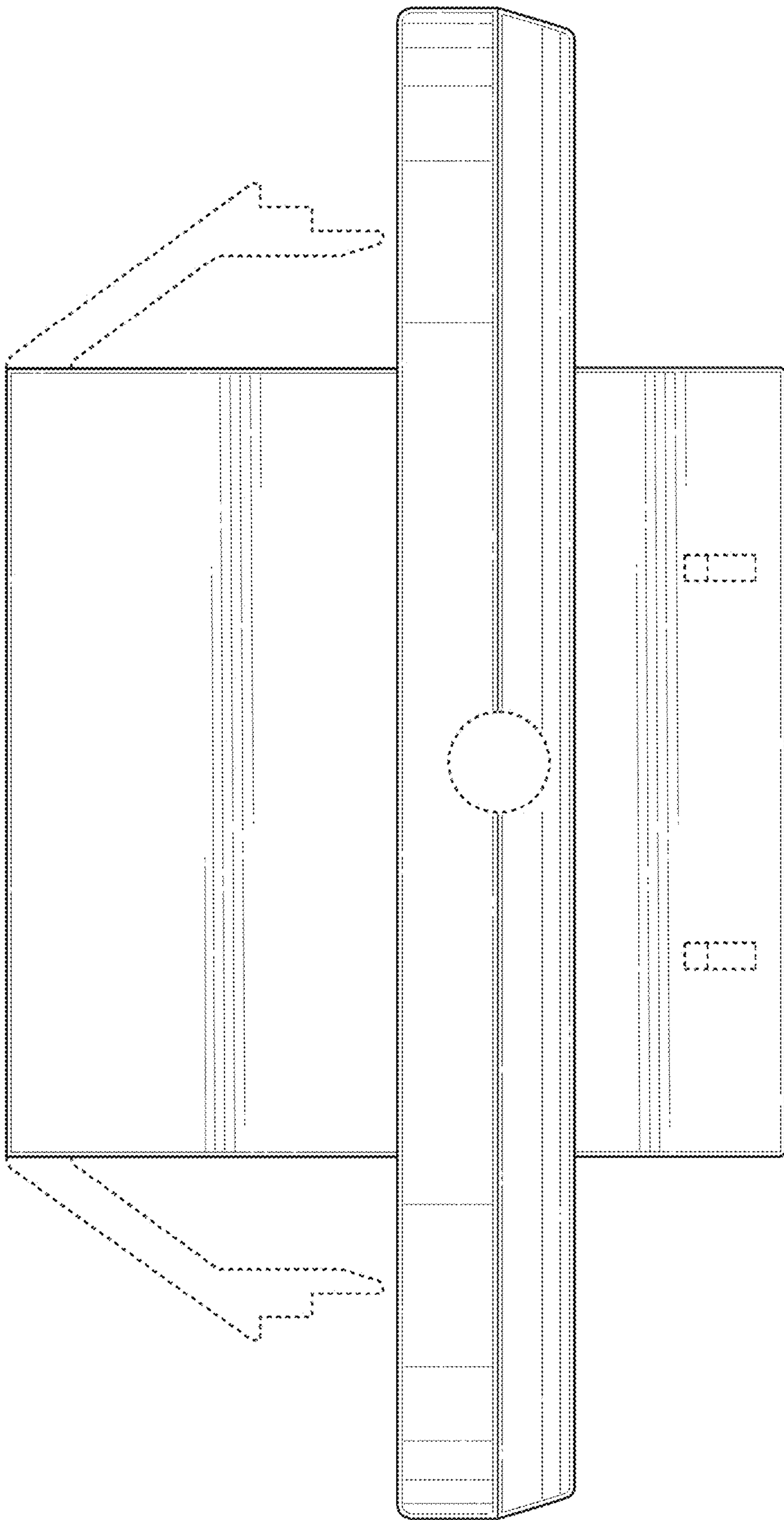


FIG. 16

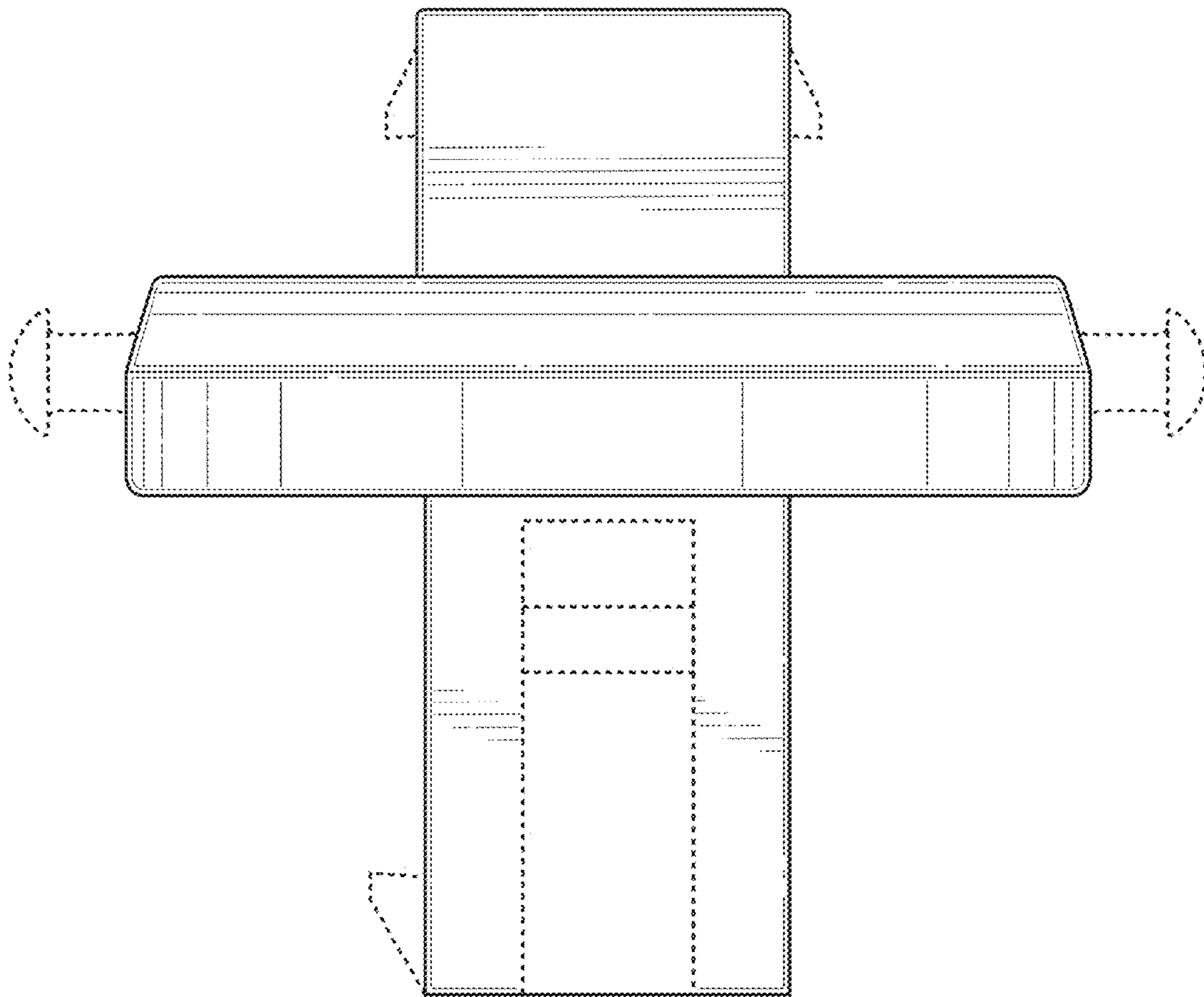


FIG. 17

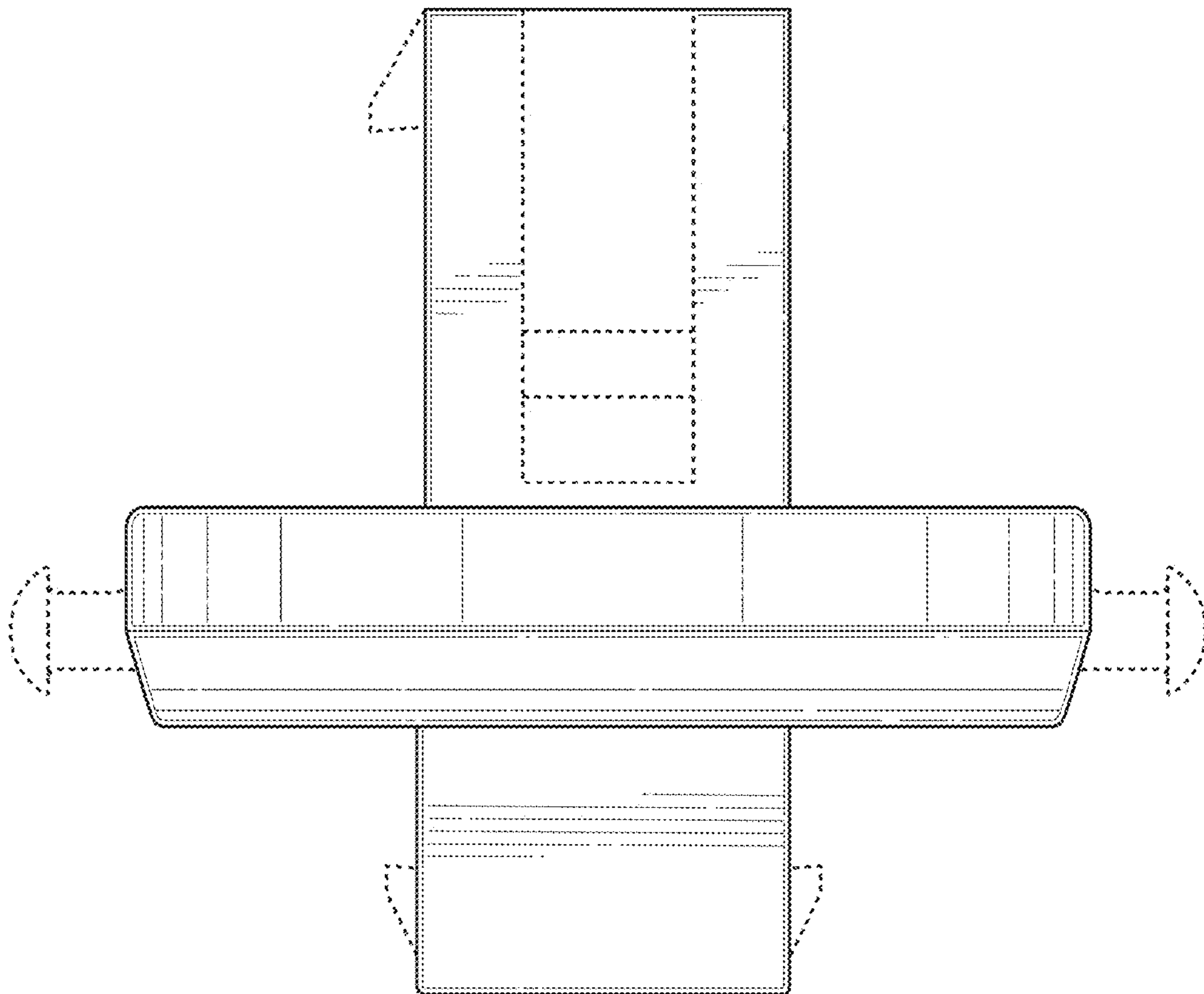


FIG. 18



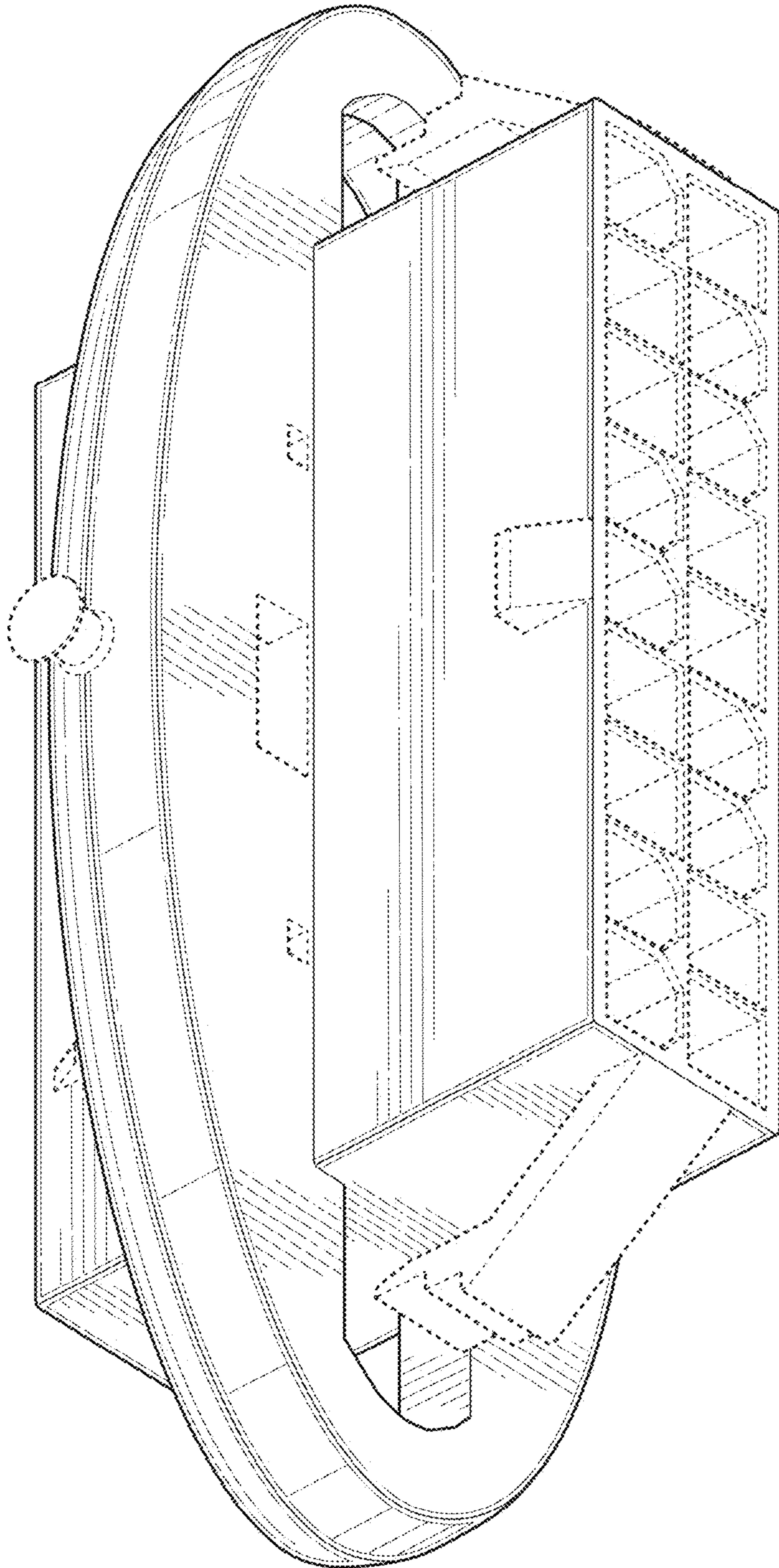


FIG. 19

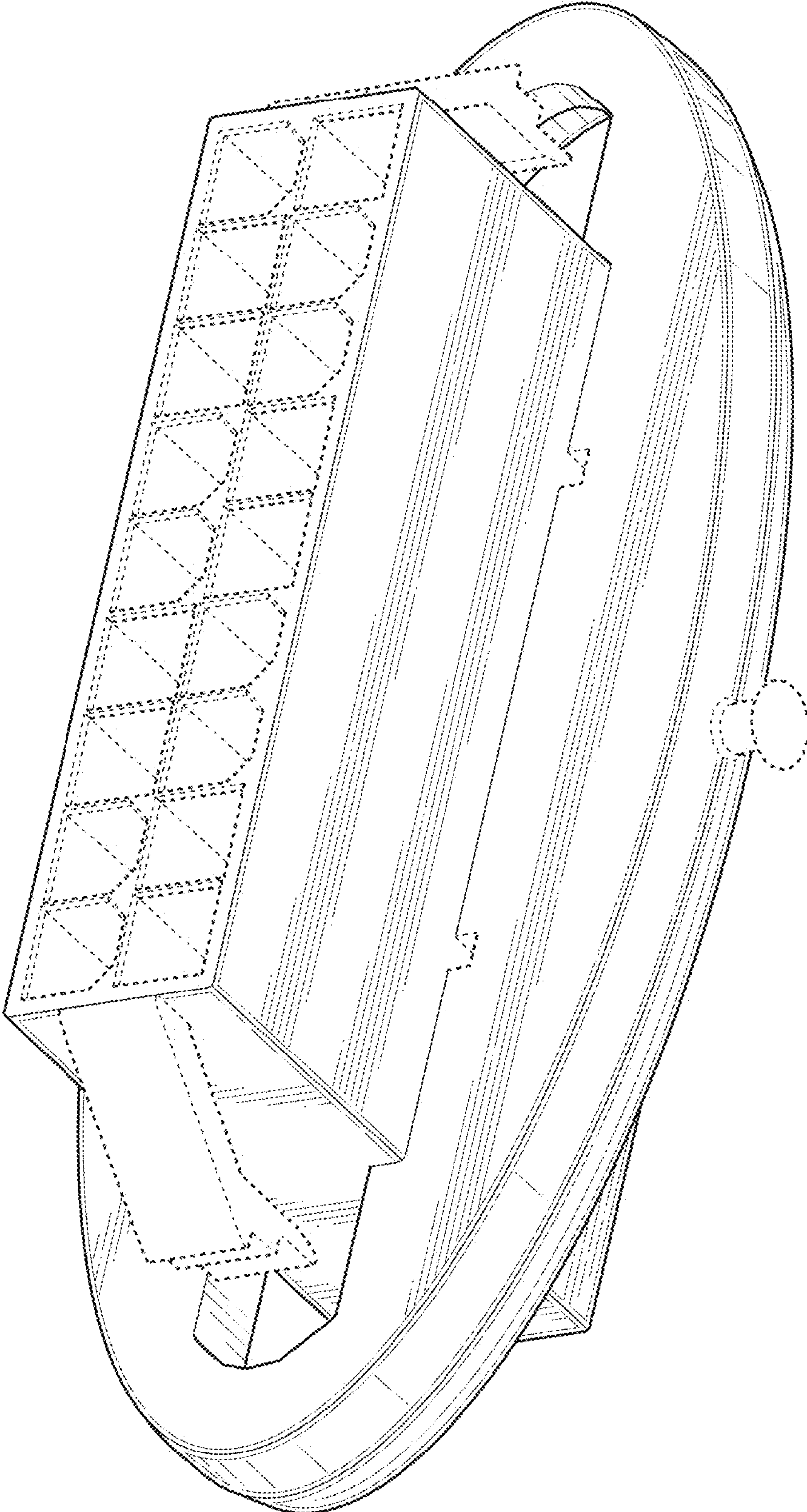


FIG. 20



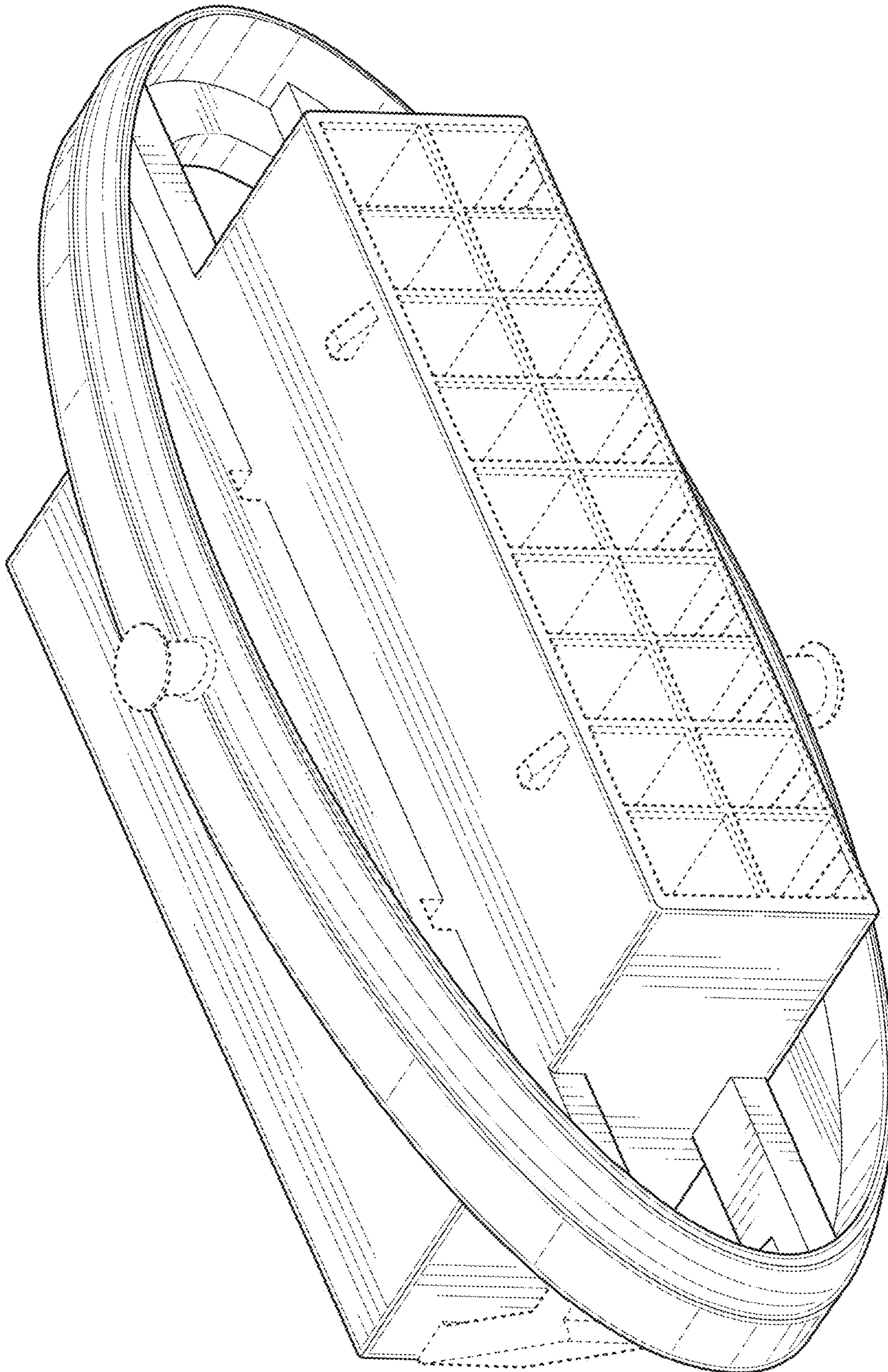


FIG. 21

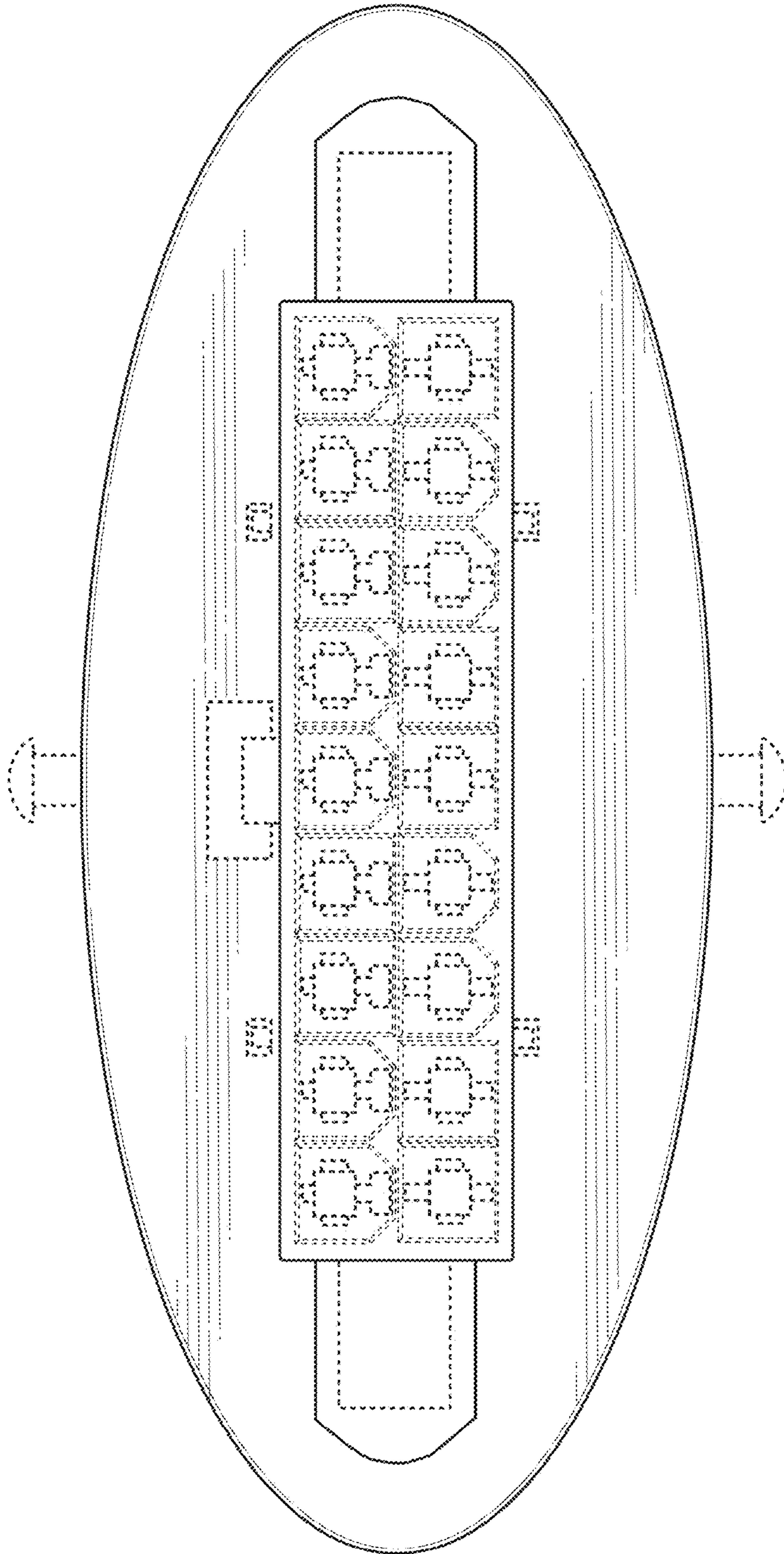


FIG. 22



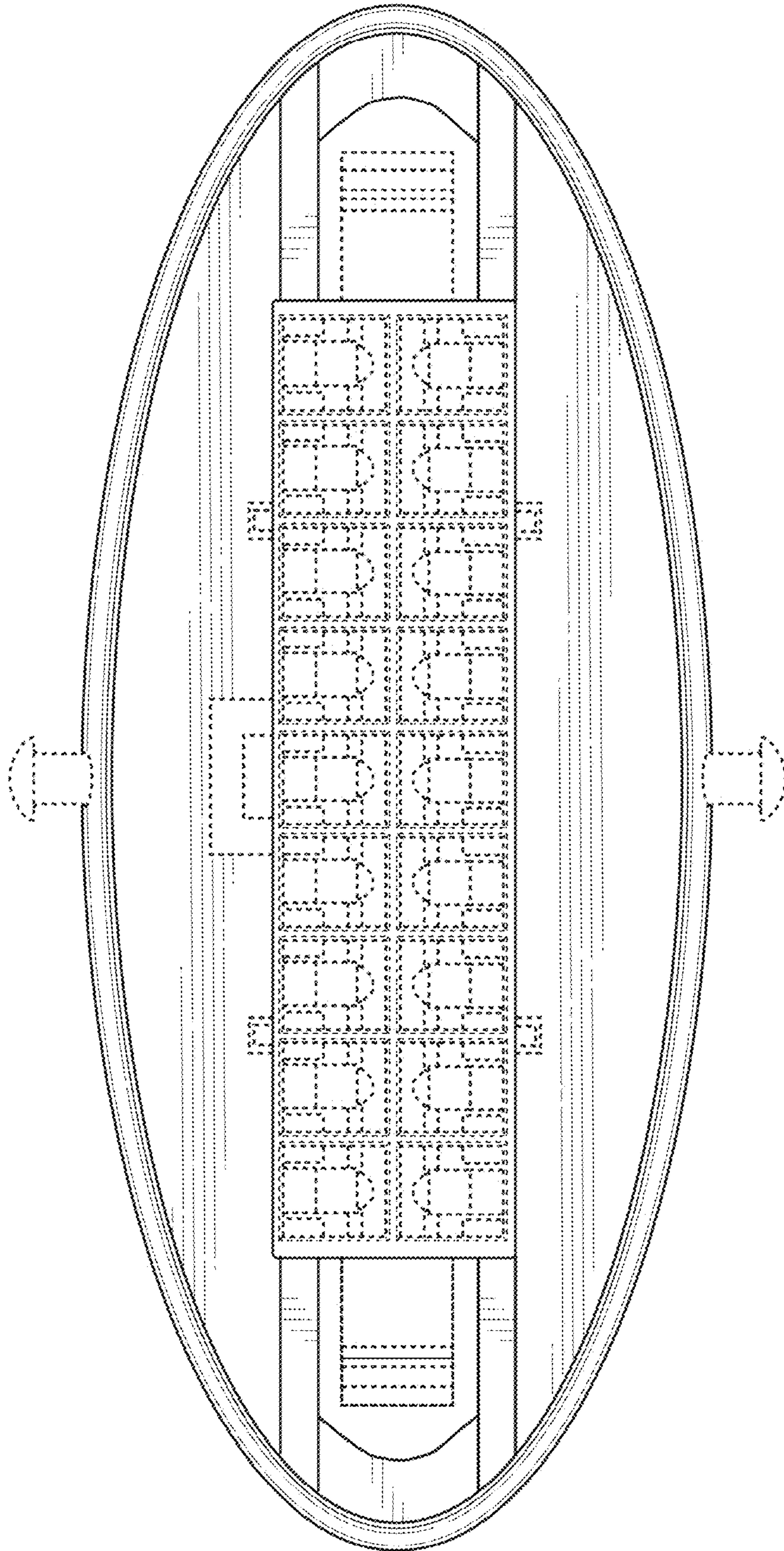


FIG. 23

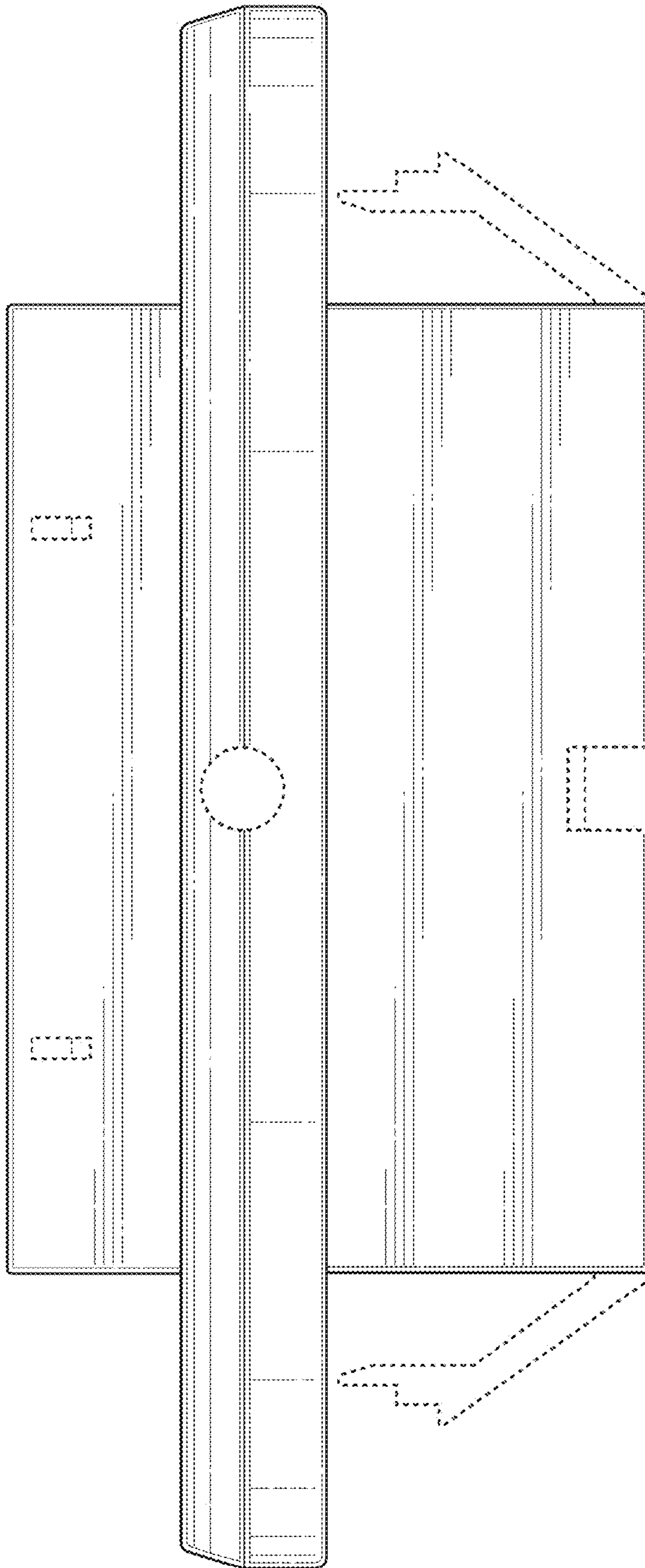


FIG. 24

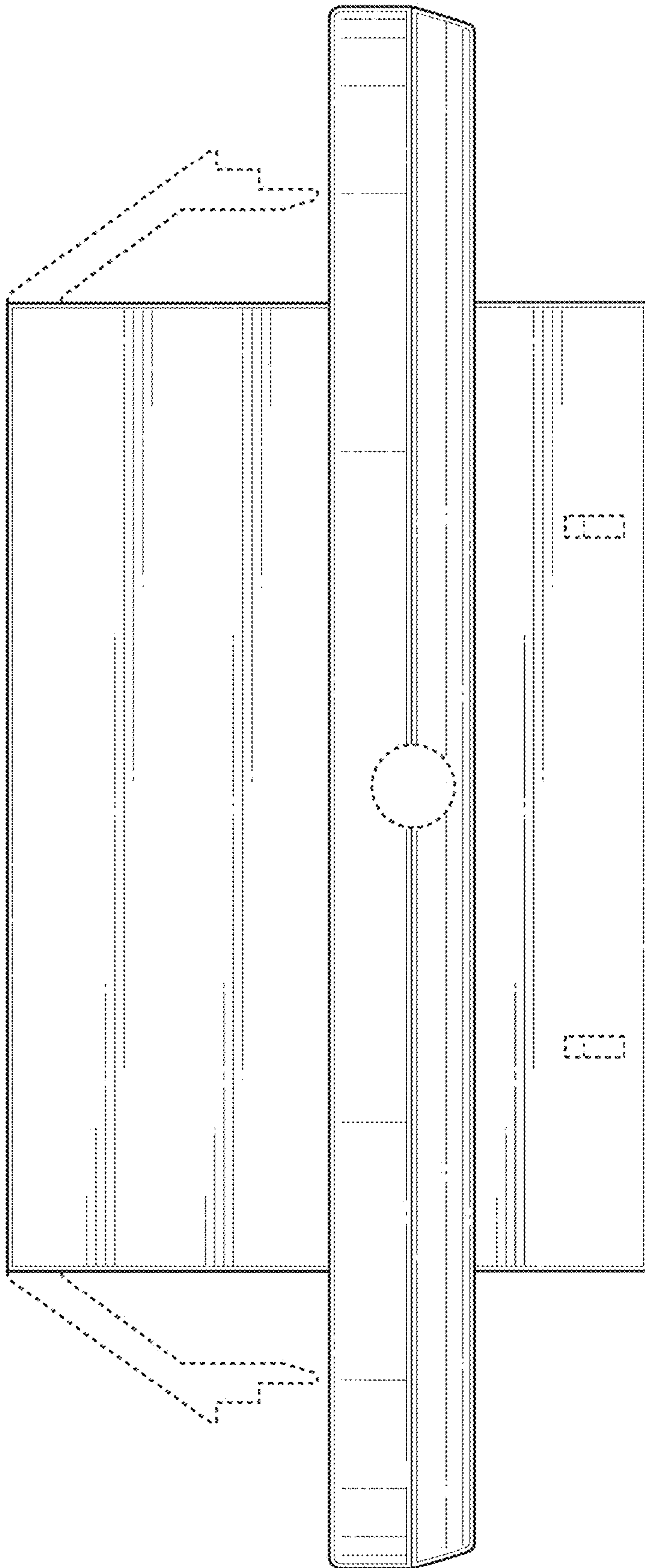


FIG. 25

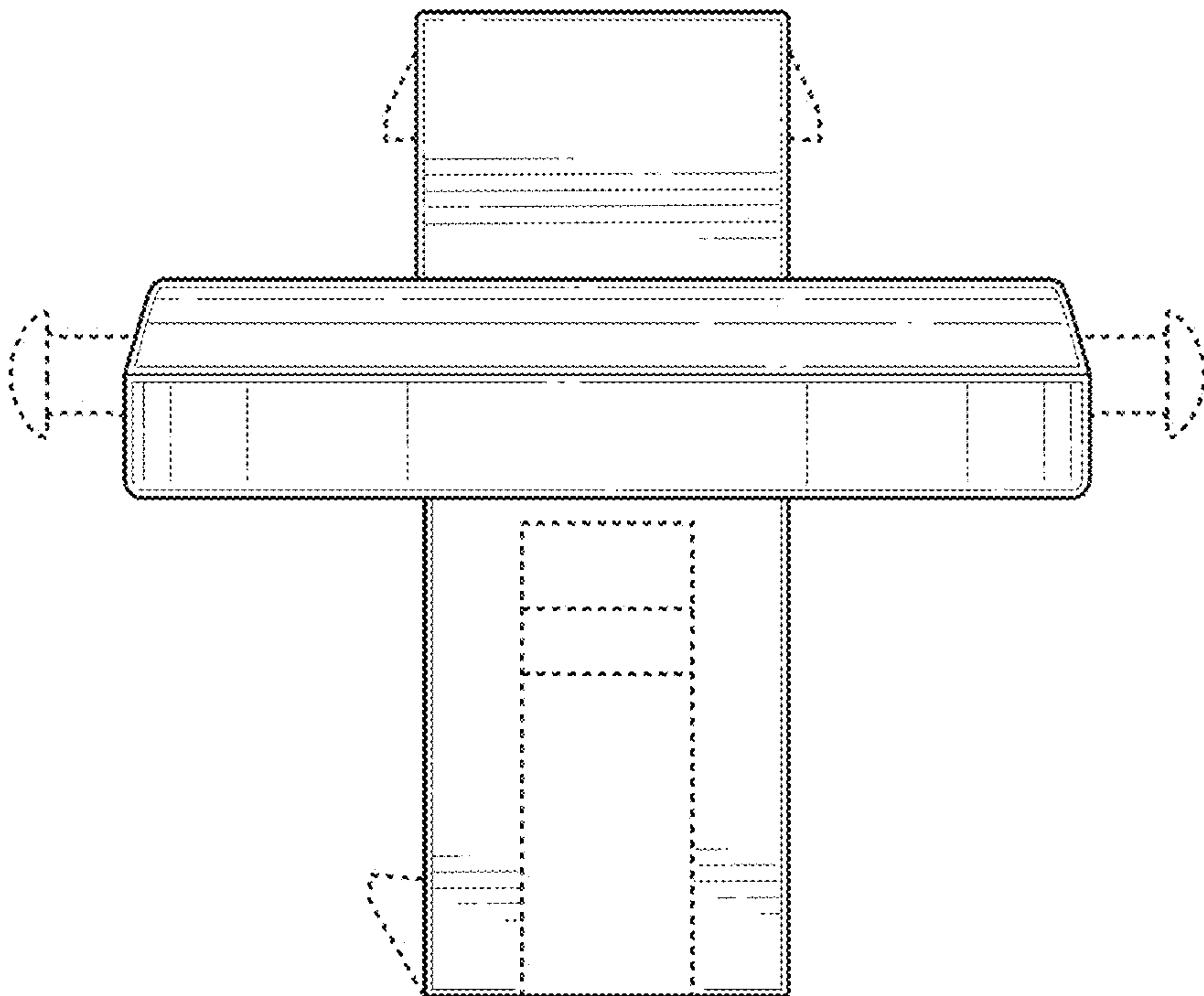


FIG. 26



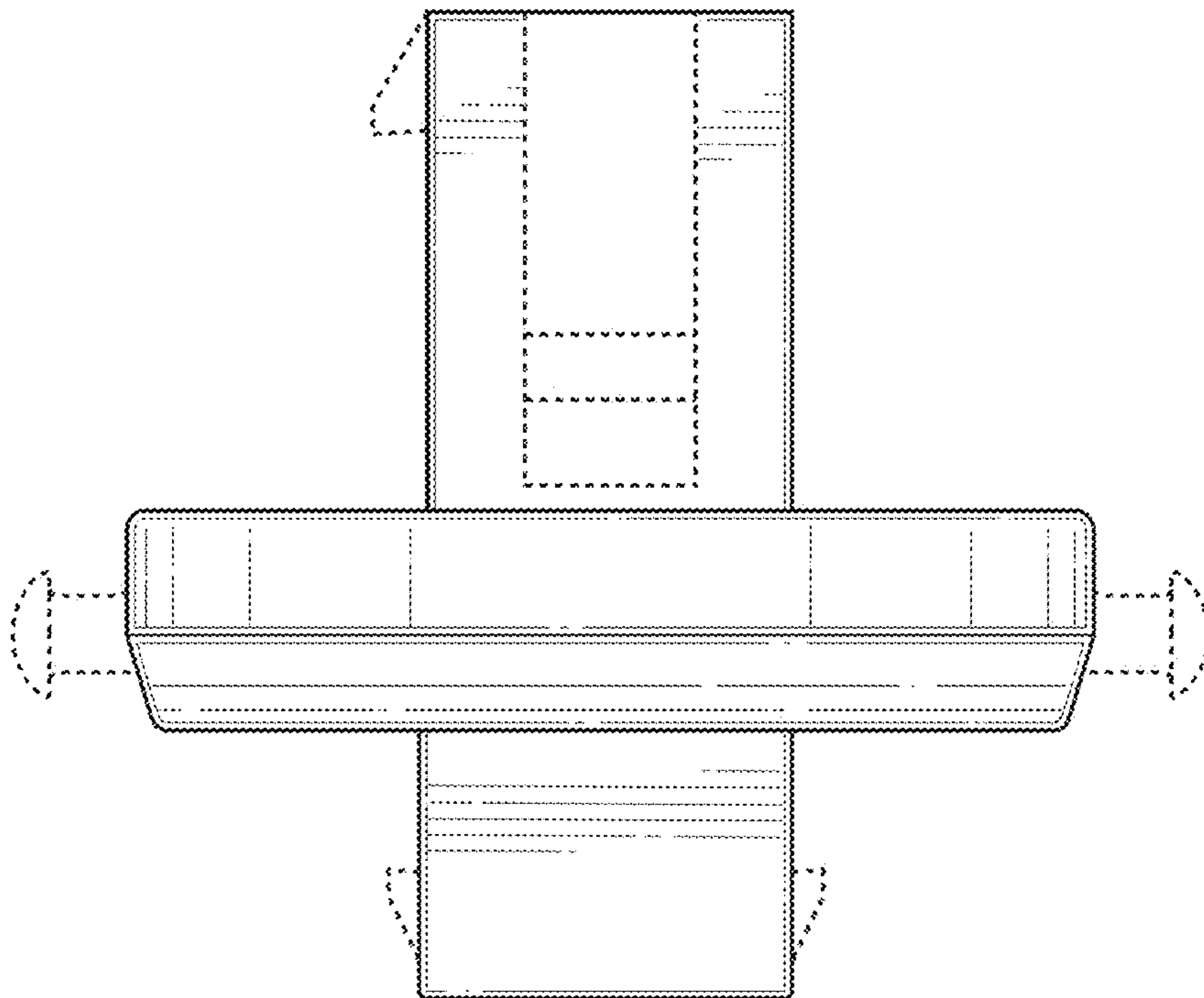


FIG. 27