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

(10) **Patent No.:** **US D980,429 S**
(45) **Date of Patent:** **** Mar. 7, 2023**

(54) **ORTHODONTIC ELASTOMERIC LIGATURE TIE**

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(73) Assignee: **Message Ties, LLC**, Birmingham, AL (US)

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

(21) Appl. No.: **29/839,819**

(22) Filed: **May 24, 2022**

(51) **LOC (14) Cl.** **24-03**

(52) **U.S. Cl.**
USPC **D24/180; D5/30**

(58) **Field of Classification Search**
USPC D6/575, 580, 582, 583, 588, 592, 601, D6/602, 604, 605, 608, 610, 611, 613, D6/617; D5/7, 37, 55, 56, 57, 58, 59, 60, D5/61, 62, 99; D25/128; D24/176, 180
CPC A47C 31/11; A47C 27/08; A47C 27/14; A47G 27/00; A47G 27/02; A47G 27/04; A63B 37/0023; B60N 2/60; B44F 7/00; B44F 5/00; B44F 3/00; D03D 15/65; D03D

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Primary Examiner — Karen S Acker

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(57) **CLAIM**

The ornamental design for an orthodontic elastomeric ligature tie, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of an orthodontic elastomeric ligature tie showing my new design.

FIG. 2 is a front view thereof.

FIG. 3 is a rear view thereof.

FIG. 4 is a right-side view thereof.

FIG. 5 is a left-side view thereof.

FIG. 6 is a top view thereof.

FIG. 7 is a bottom view thereof.

FIG. 8 is a perspective view of the orthodontic elastomeric ligature tie of FIG. 1 shown in a position of use.

FIG. 9 is a perspective view of a second embodiment of an orthodontic elastomeric ligature tie.

FIG. 10 is a front view thereof.

FIG. 11 is a rear view thereof.

FIG. 12 is a right-side view thereof.

FIG. 13 is a left-side view thereof.

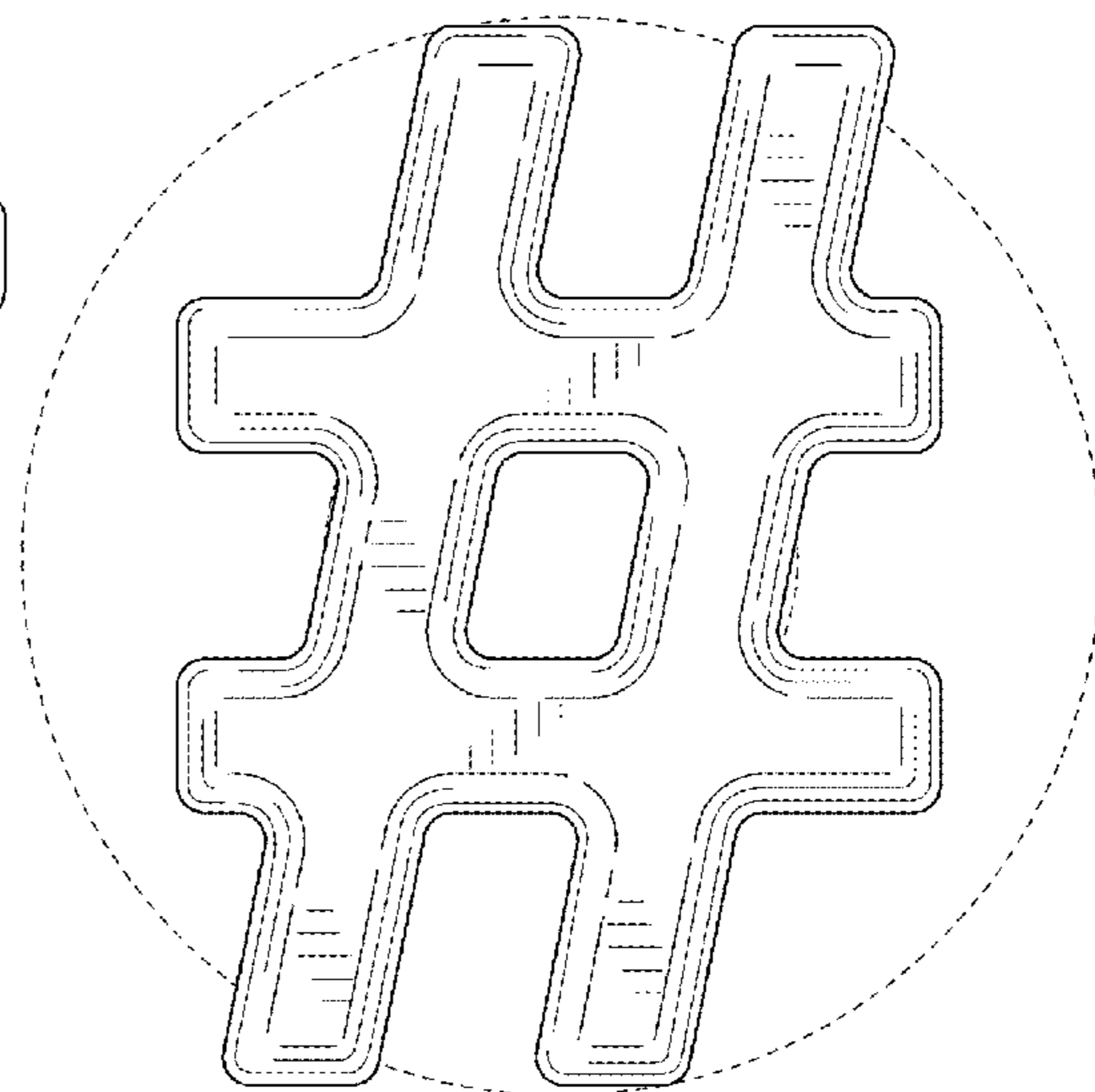
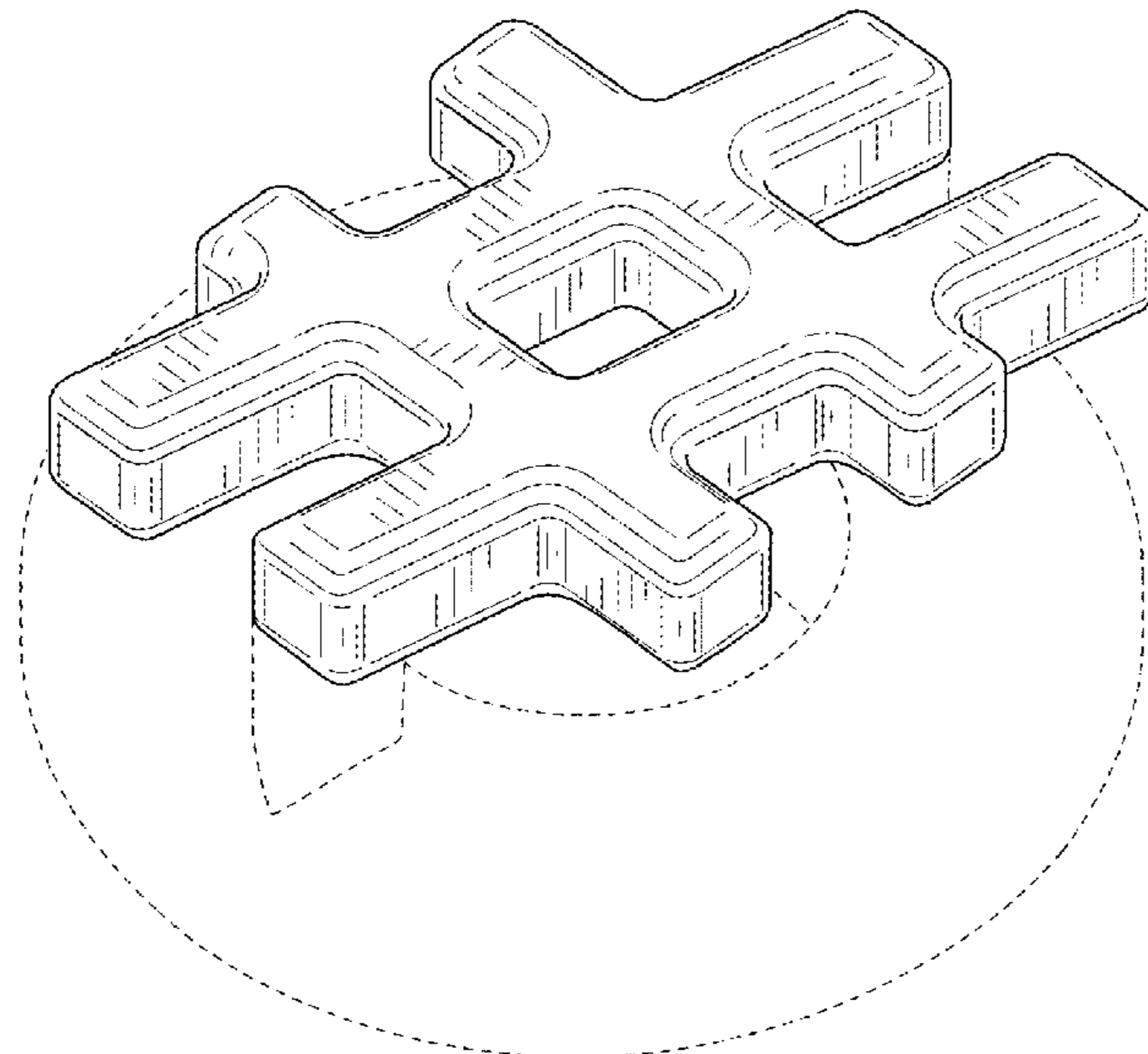
FIG. 14 is a top view thereof.

FIG. 15 is a bottom view thereof; and,

FIG. 16 is a perspective view of the orthodontic elastomeric ligature tie of FIG. 9 shown in a position of use.

The broken lines in FIGS. 8 and 16 depict environmental subject matter included to show the article in a state of use and form no part of the claimed design. All other broken lines in the drawings depict portions of the orthodontic elastomeric ligature tie that form no part of the claimed design.

1 Claim, 10 Drawing Sheets



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(58) **Field of Classification Search**

CPC 1/02; D03D 1/06; D03D 3/005; D03D
3/0082; D03D 27/02; D03D 15/46
See application file for complete search history.

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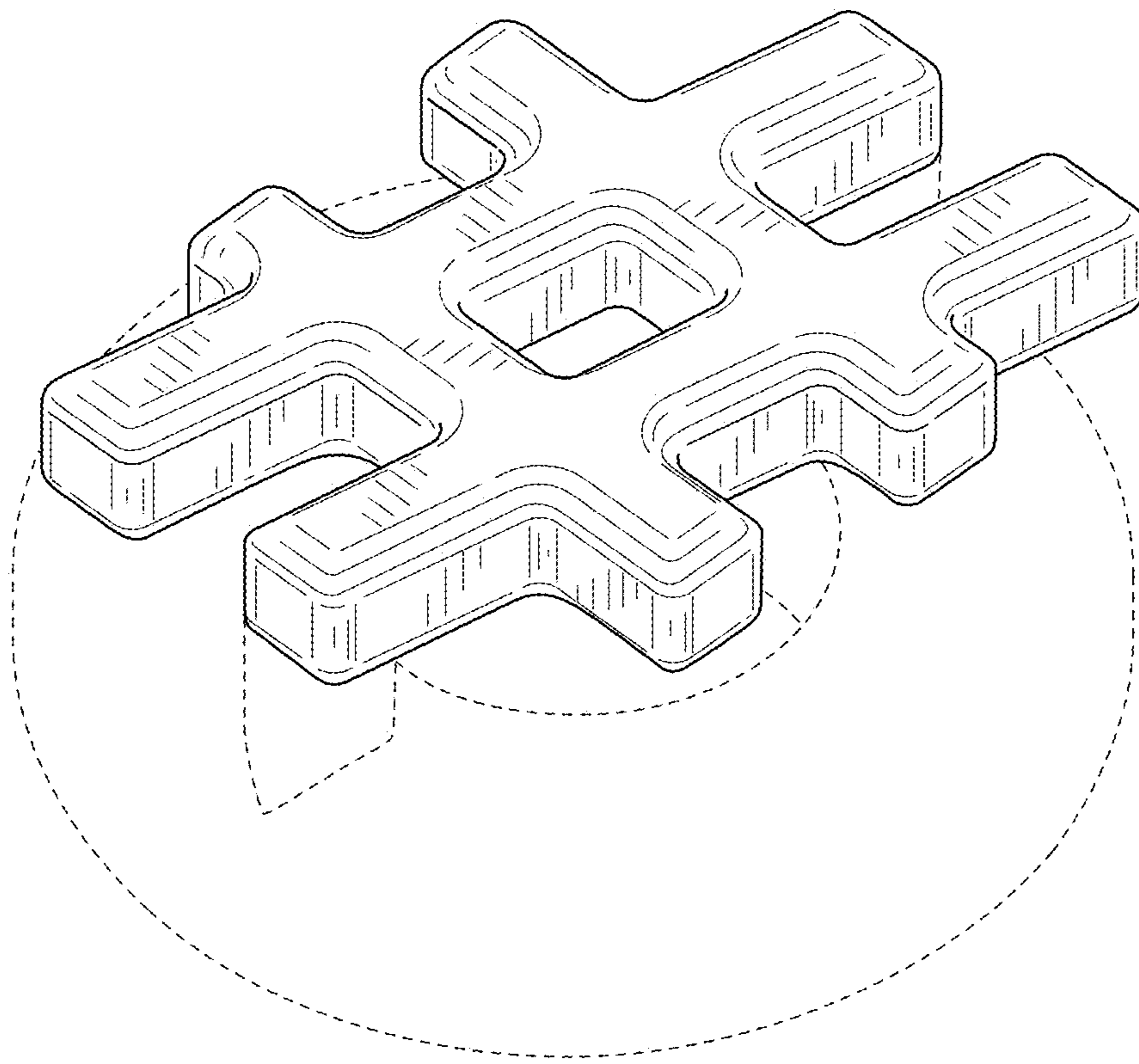


FIG. 1

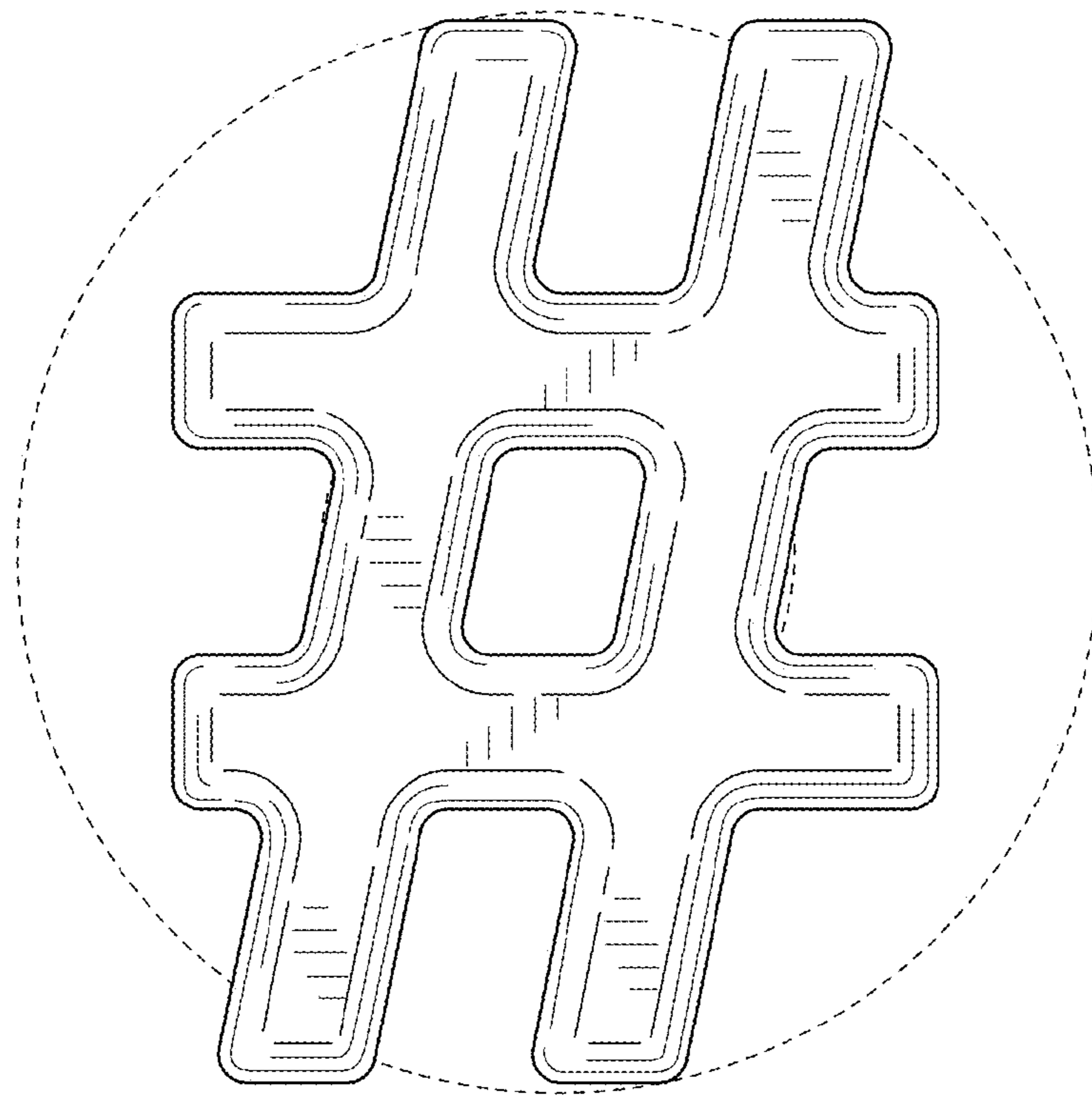


FIG. 2

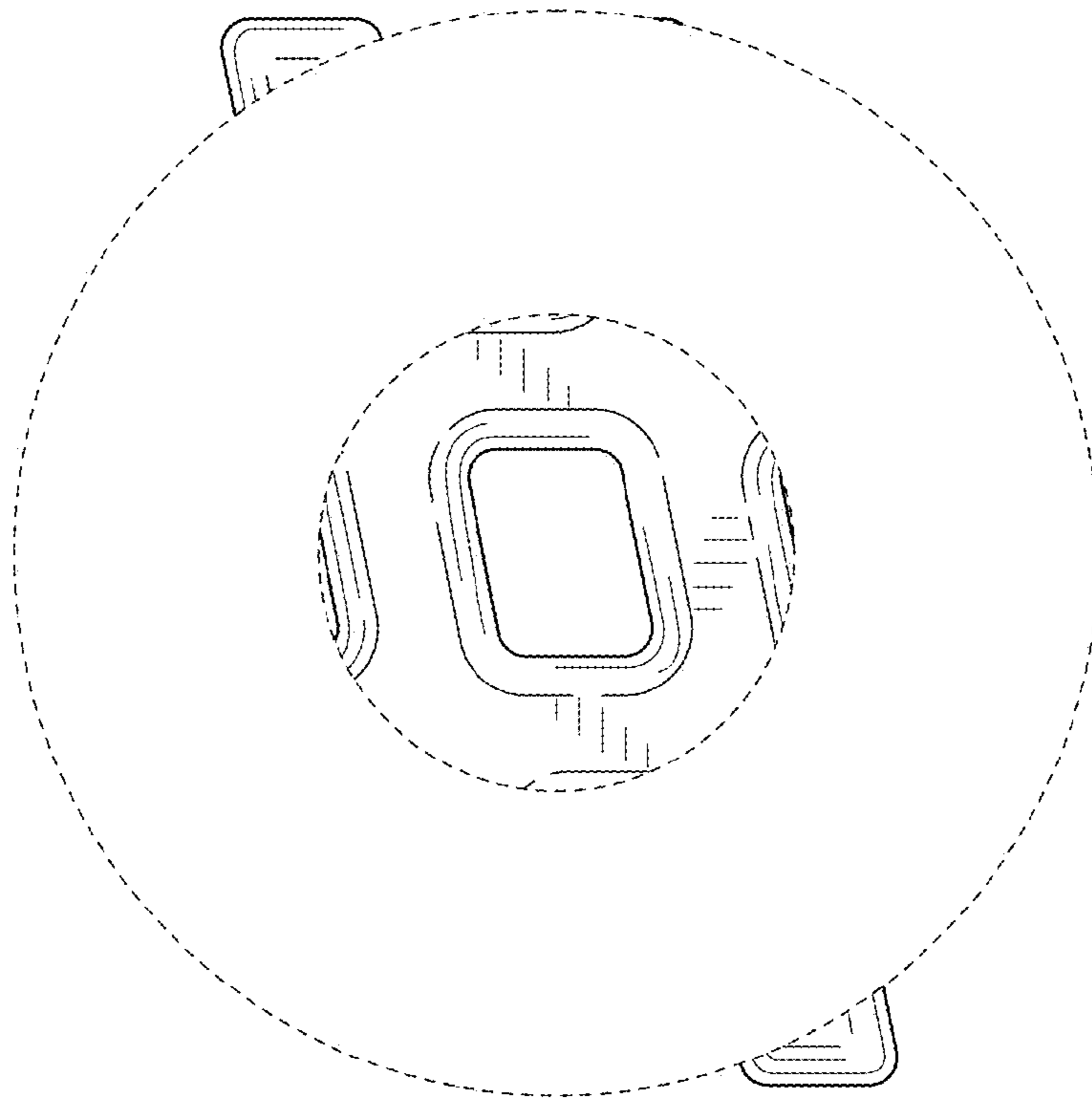


FIG. 3

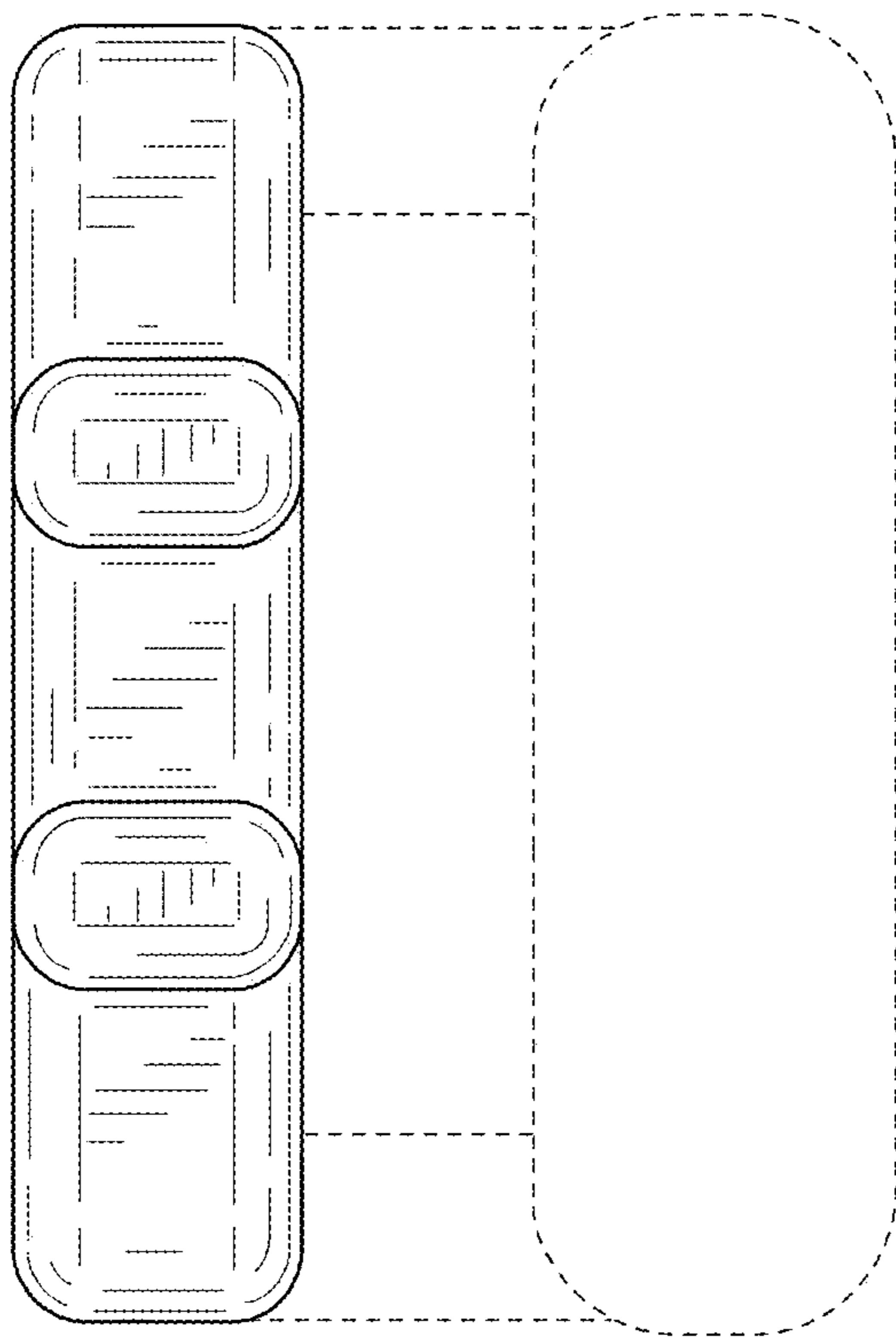


FIG. 4

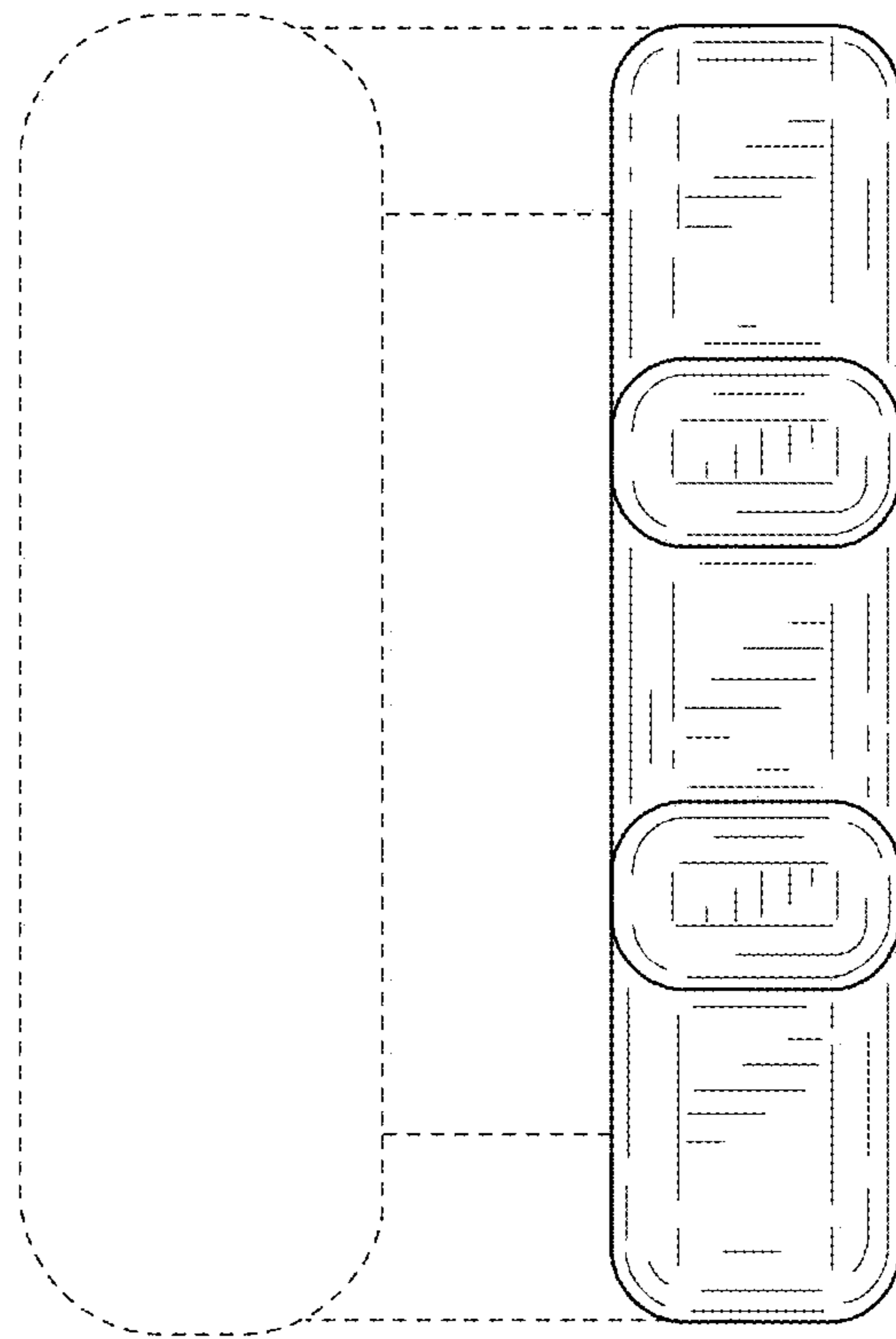


FIG. 5

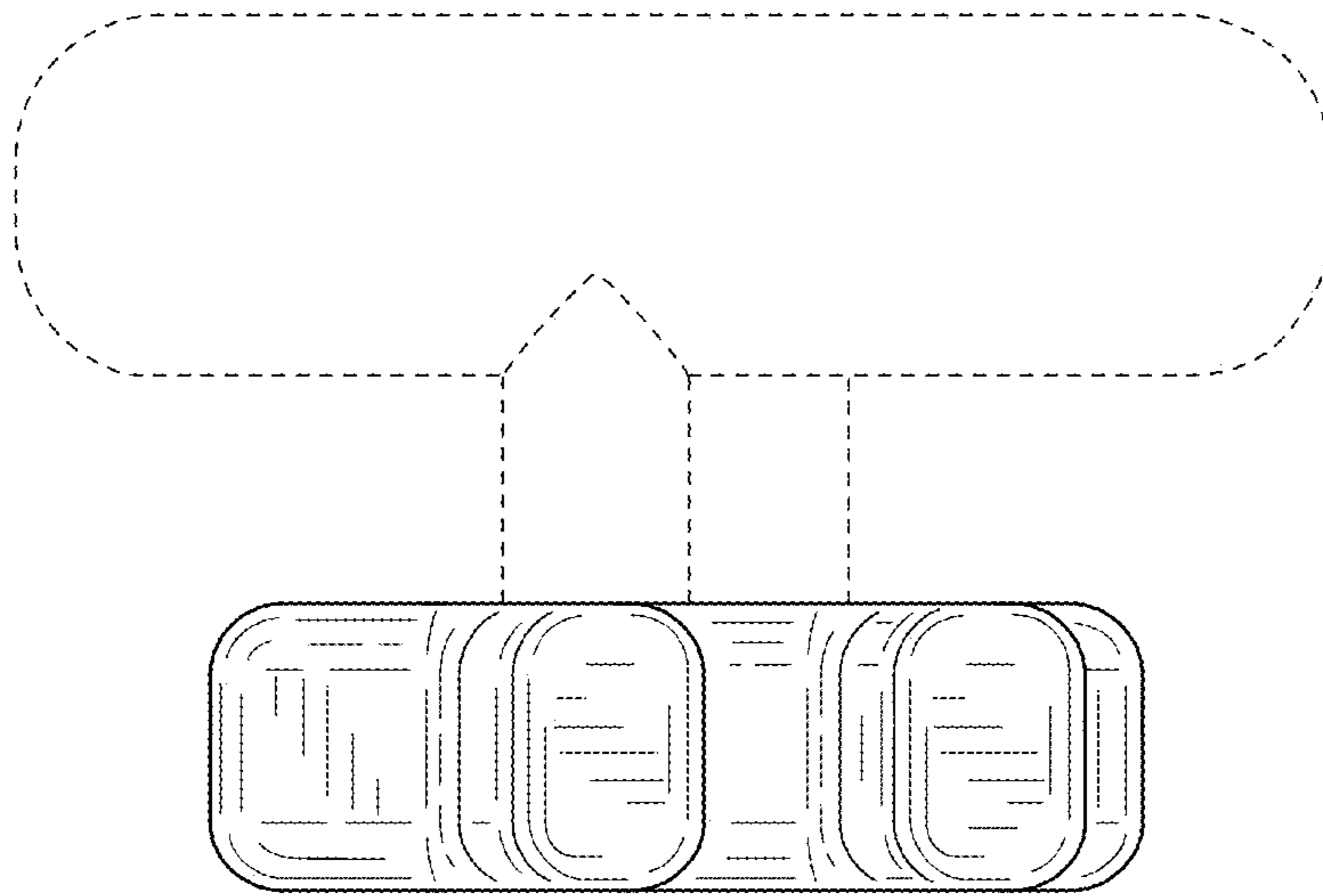


FIG. 6

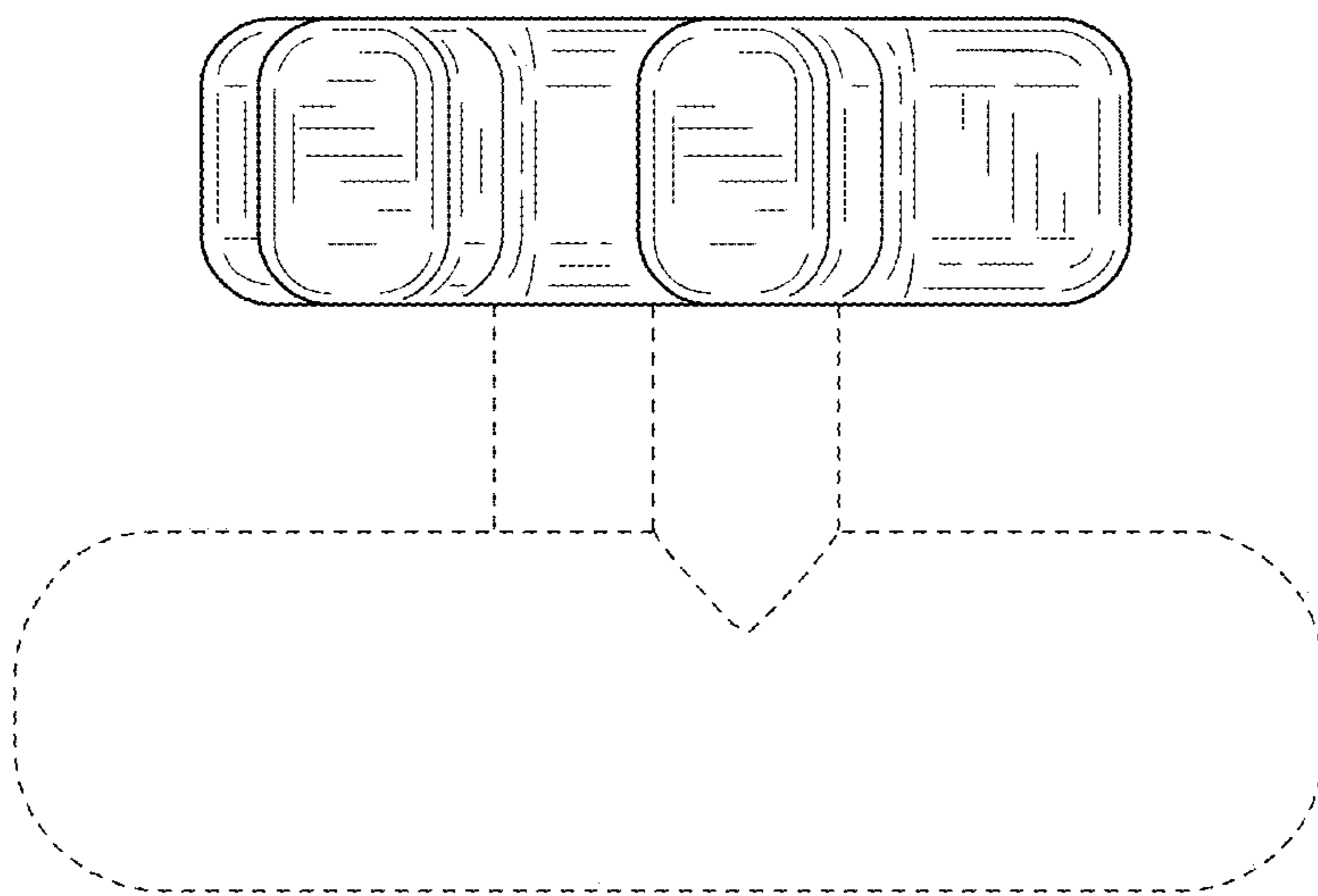


FIG. 7

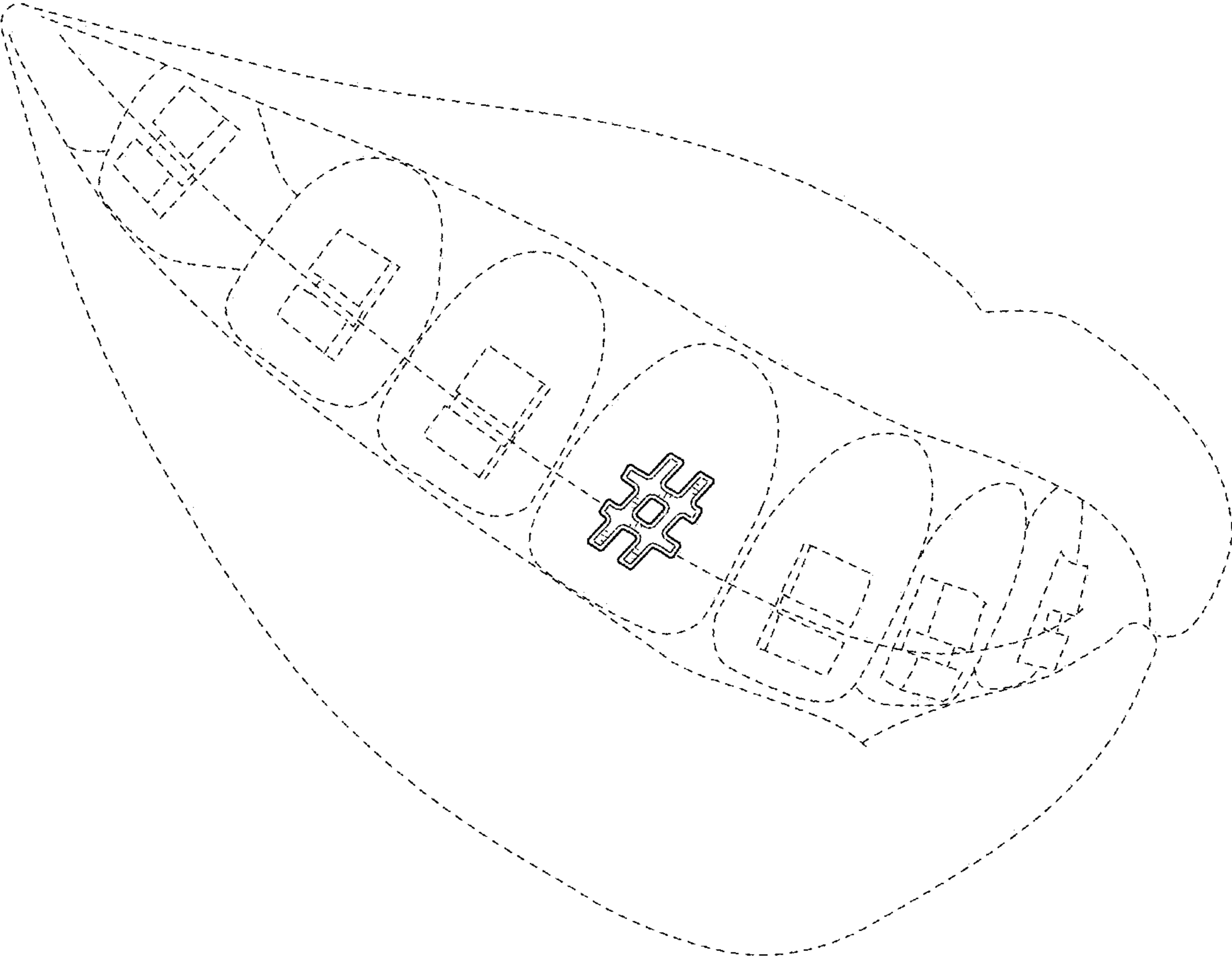


FIG. 8

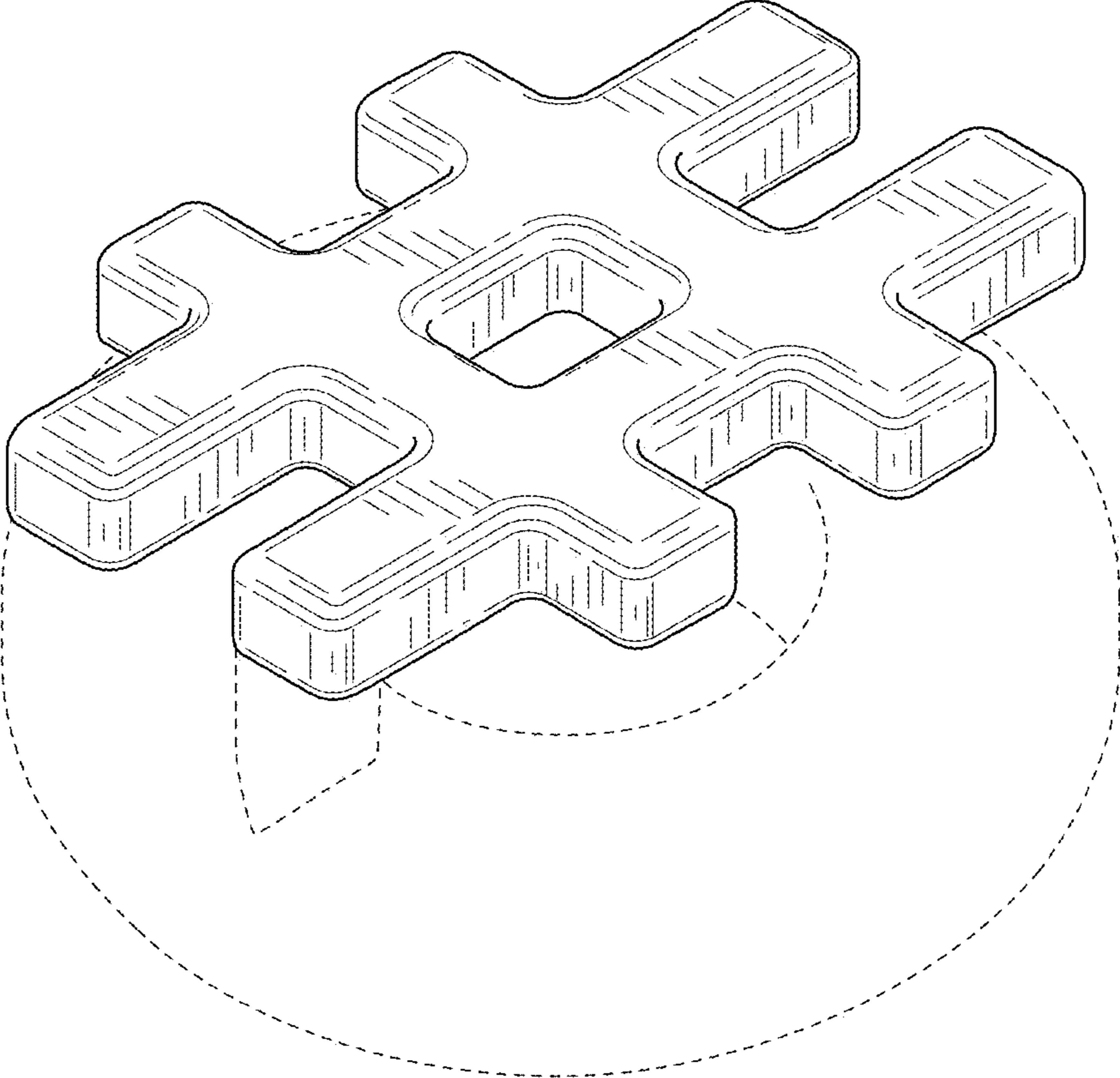


FIG. 9

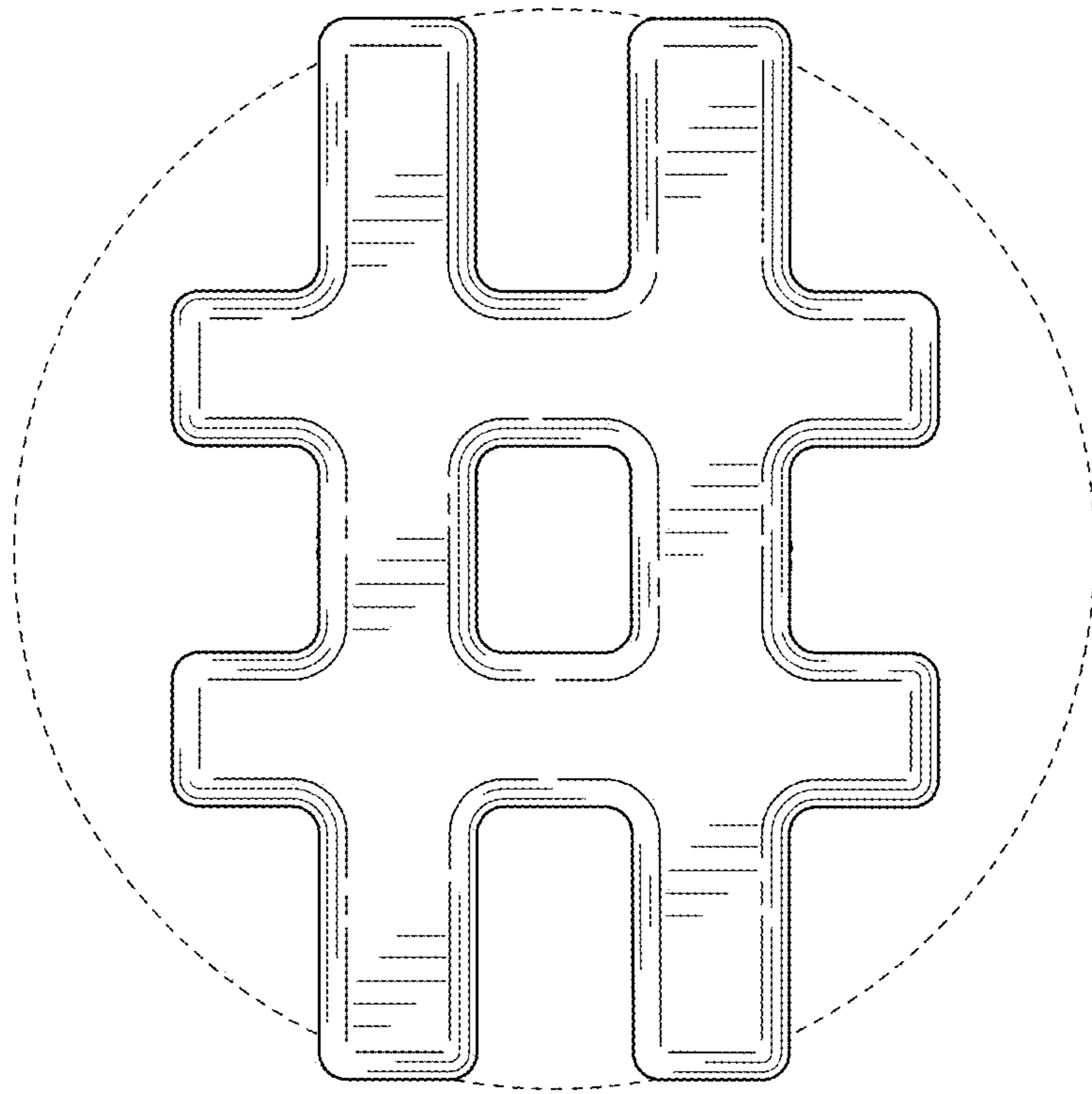


FIG. 10

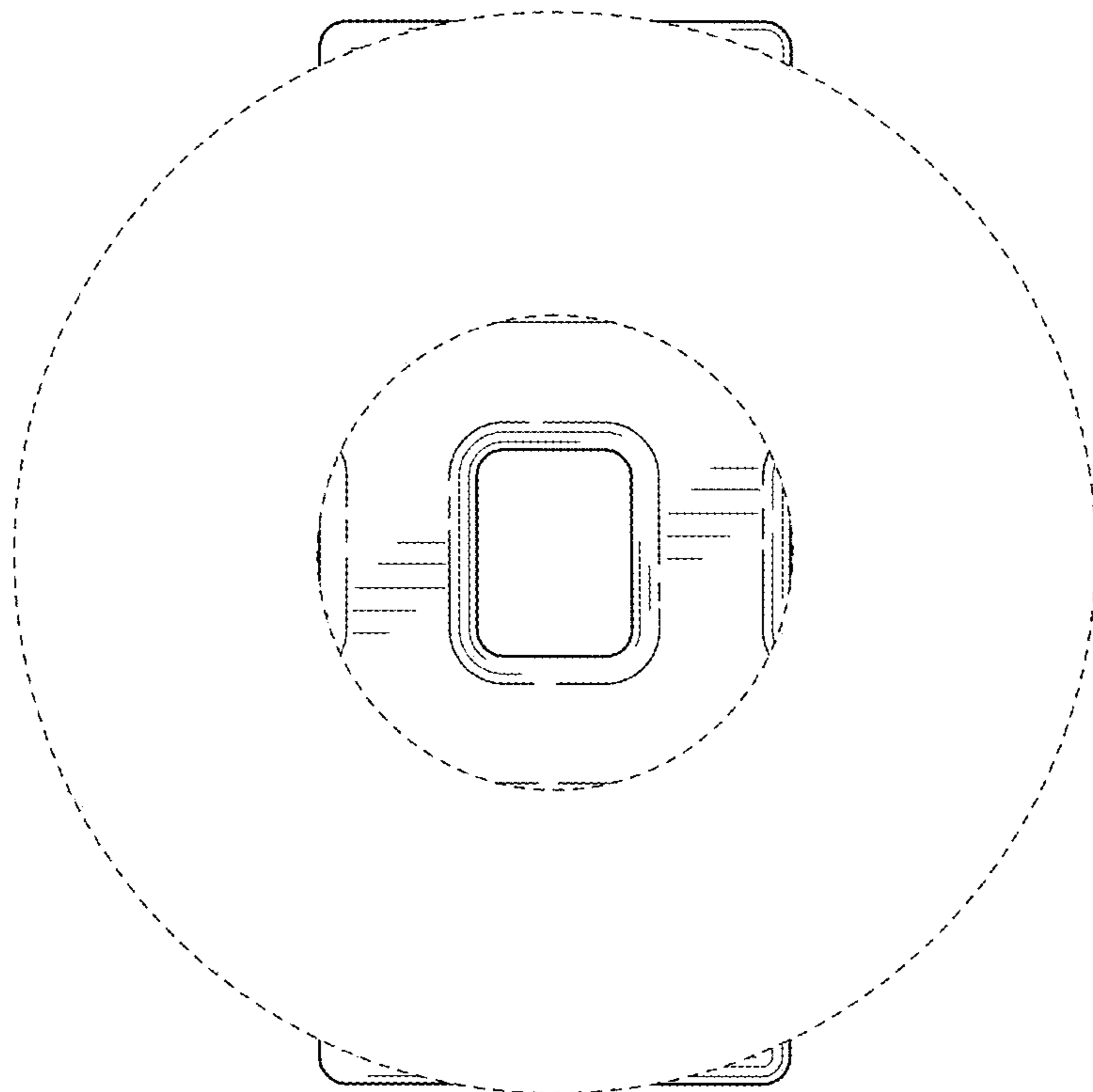


FIG. 11

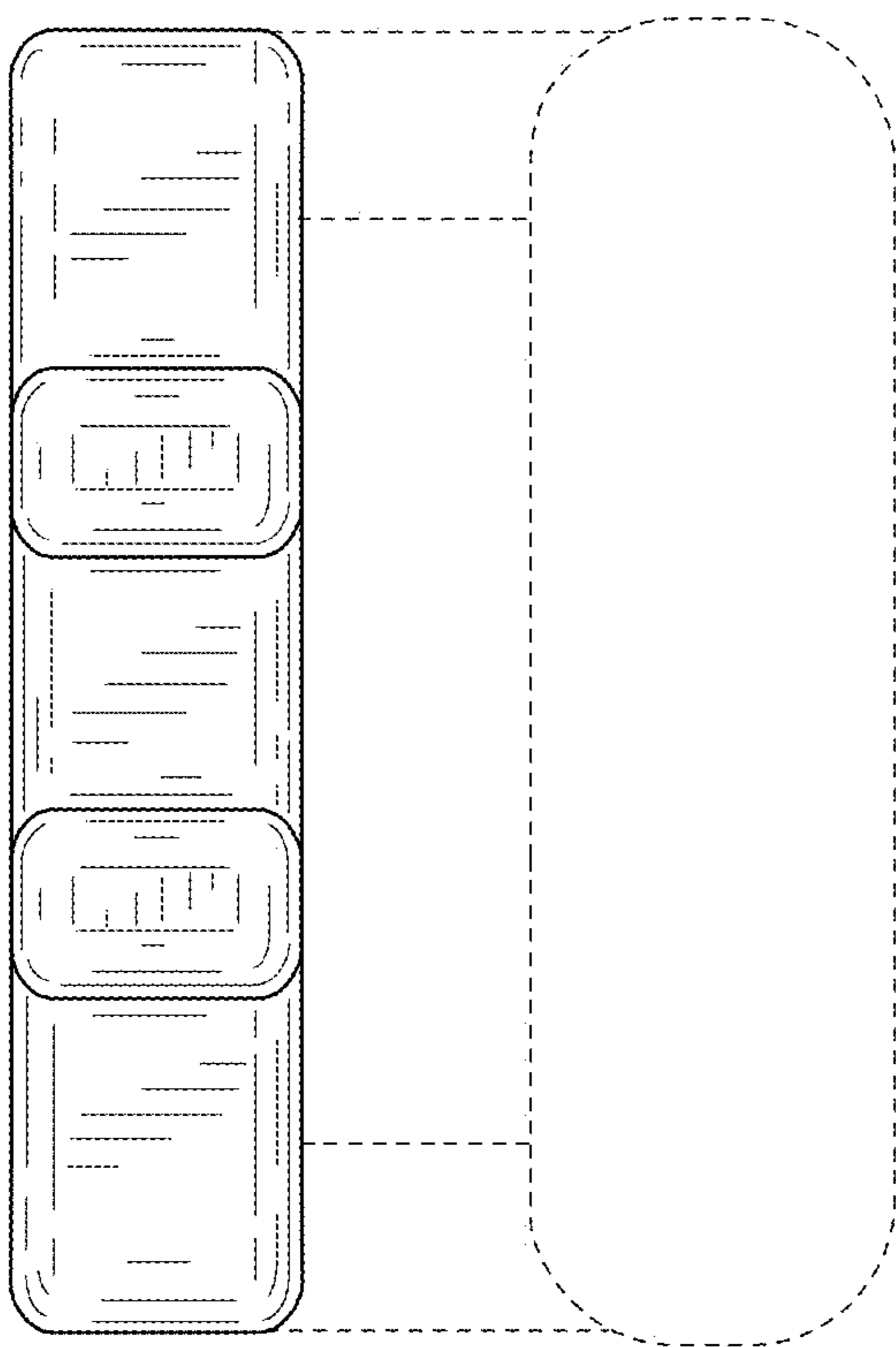


FIG. 12

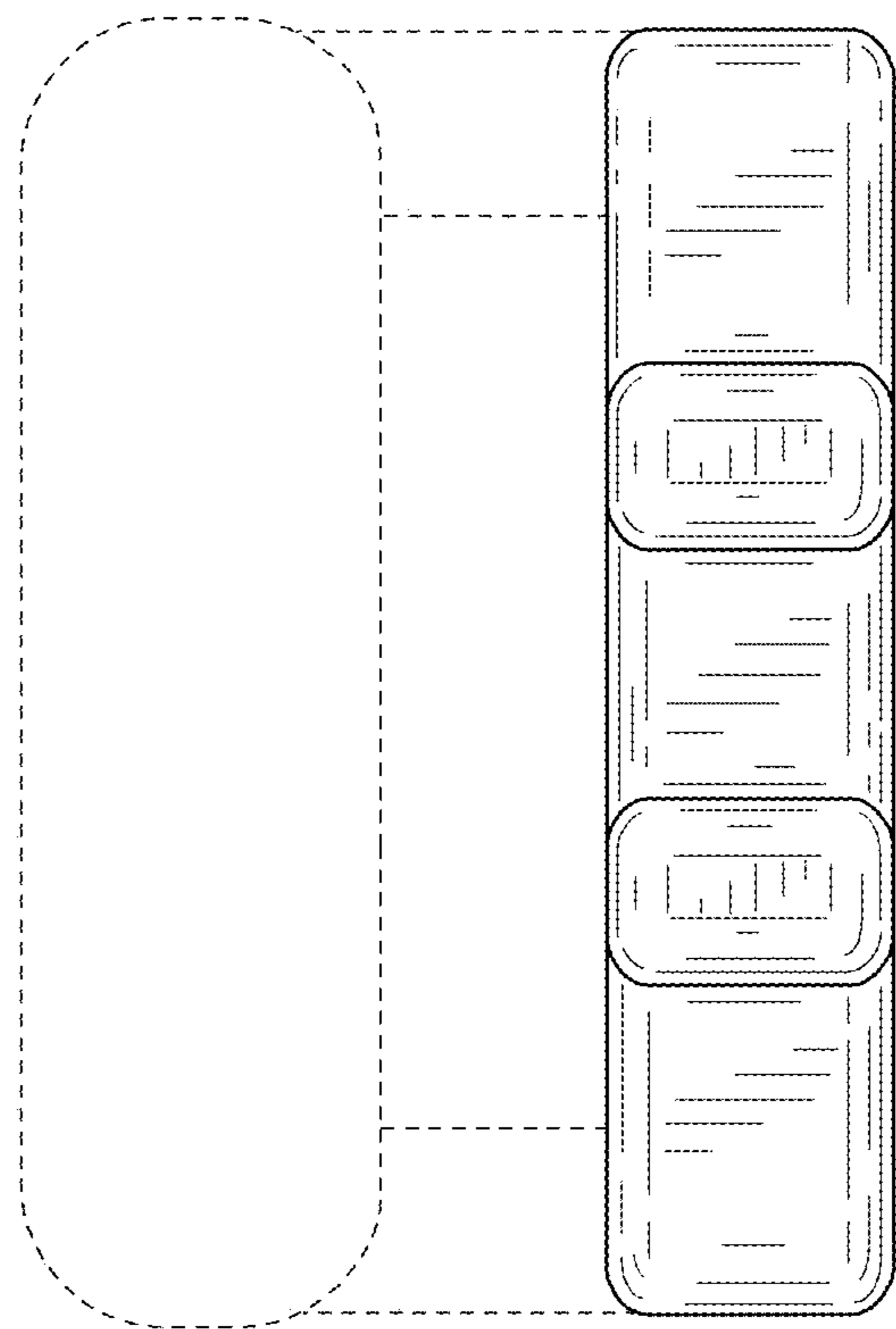


FIG. 13

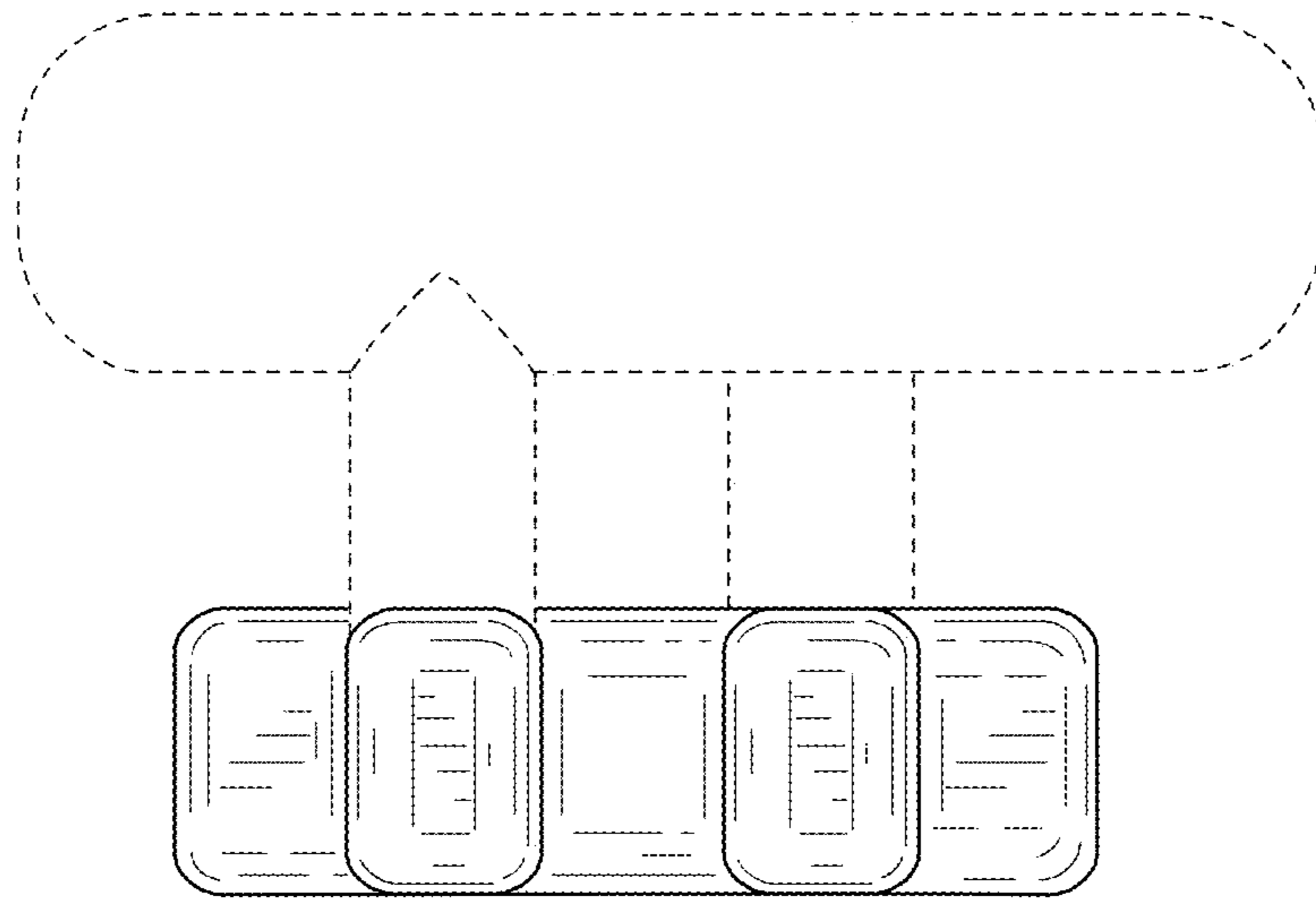


FIG. 14

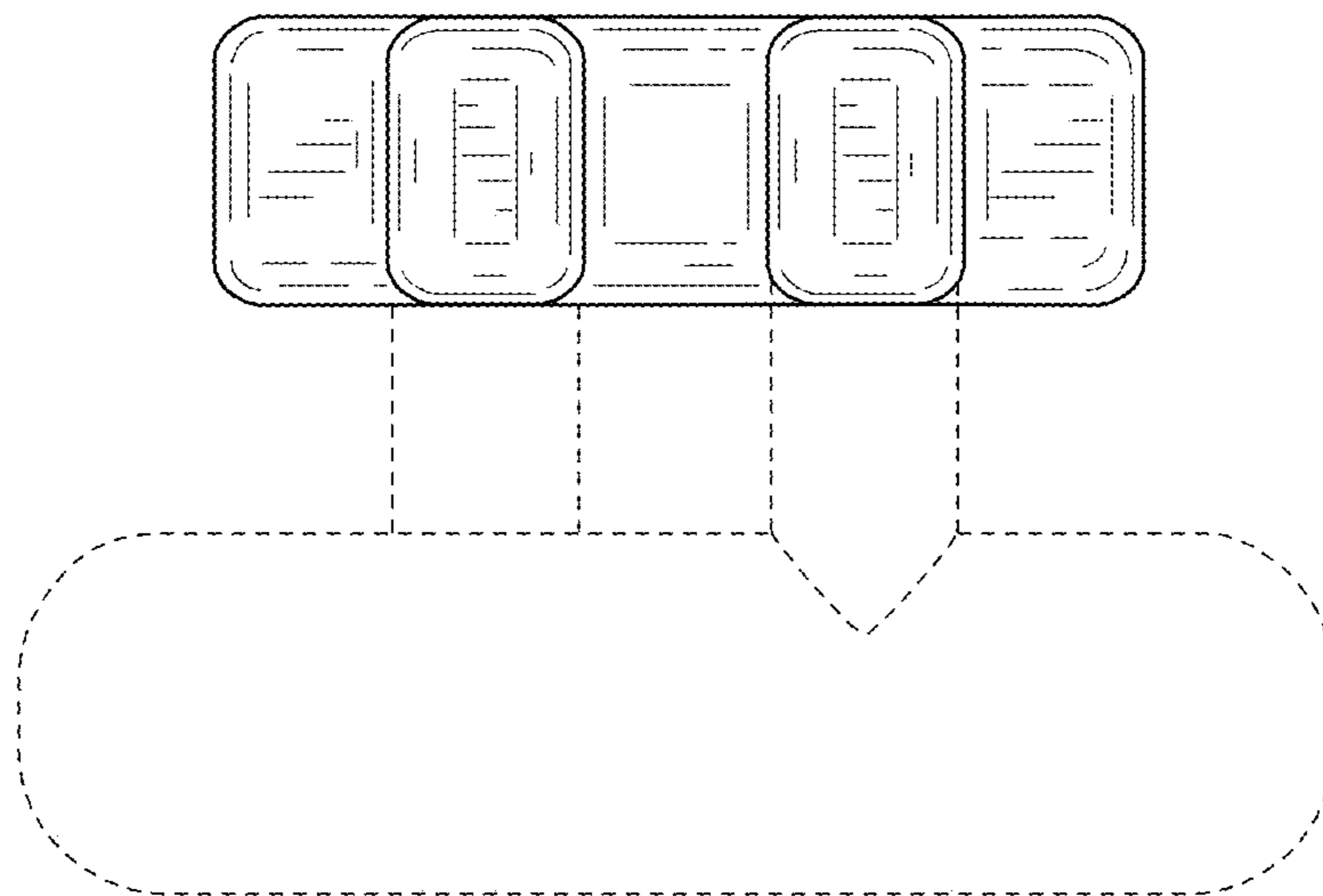


FIG. 15

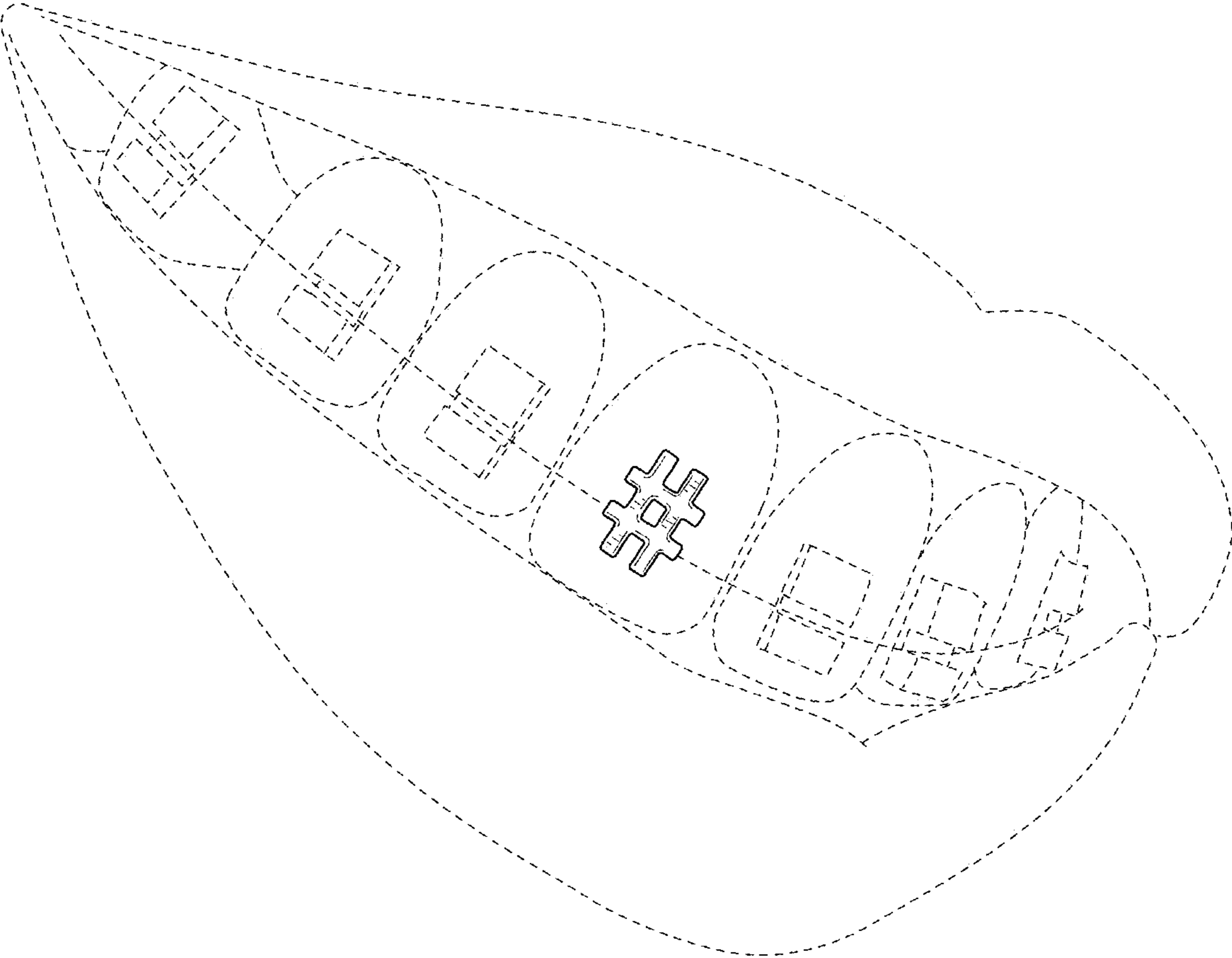


FIG. 16