



US00D876401S

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

(10) **Patent No.:** **US D876,401 S**
(45) **Date of Patent:** **** Feb. 25, 2020**

(54) **HORN ANTENNA**

DESCRIPTION

(71) Applicant: **Wistron NeWeb Corp.**, Hsinchu (TW)

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I-Ching Lan, Hsinchu (TW)

(73) Assignee: **WISTRON NEWEB CORP.**, Hsinchu (TW)

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

(21) Appl. No.: **29/626,744**

(22) Filed: **Nov. 20, 2017**

(51) **LOC (12) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/230**

(58) **Field of Classification Search**

USPC D14/230-238, 138, 172, 188, 203.1,
D14/203.3, 203.6, 204, 216, 221, 238.1,
D14/240, 242, 299, 314, 343, 356, 358,
D14/496, 509; D13/107, 108
CPC H01Q 1/007; H01Q 1/084; H01Q 1/12;
H01Q 1/22; H01Q 1/38; H01Q 1/42;
H01Q 7/00; H01Q 9/40; H01Q 9/285;
H01Q 9/065; H01Q 9/44; H01Q 9/265;
H01Q 19/10; H01Q 19/106; H01Q 19/12;
H01Q

(Continued)

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(Continued)

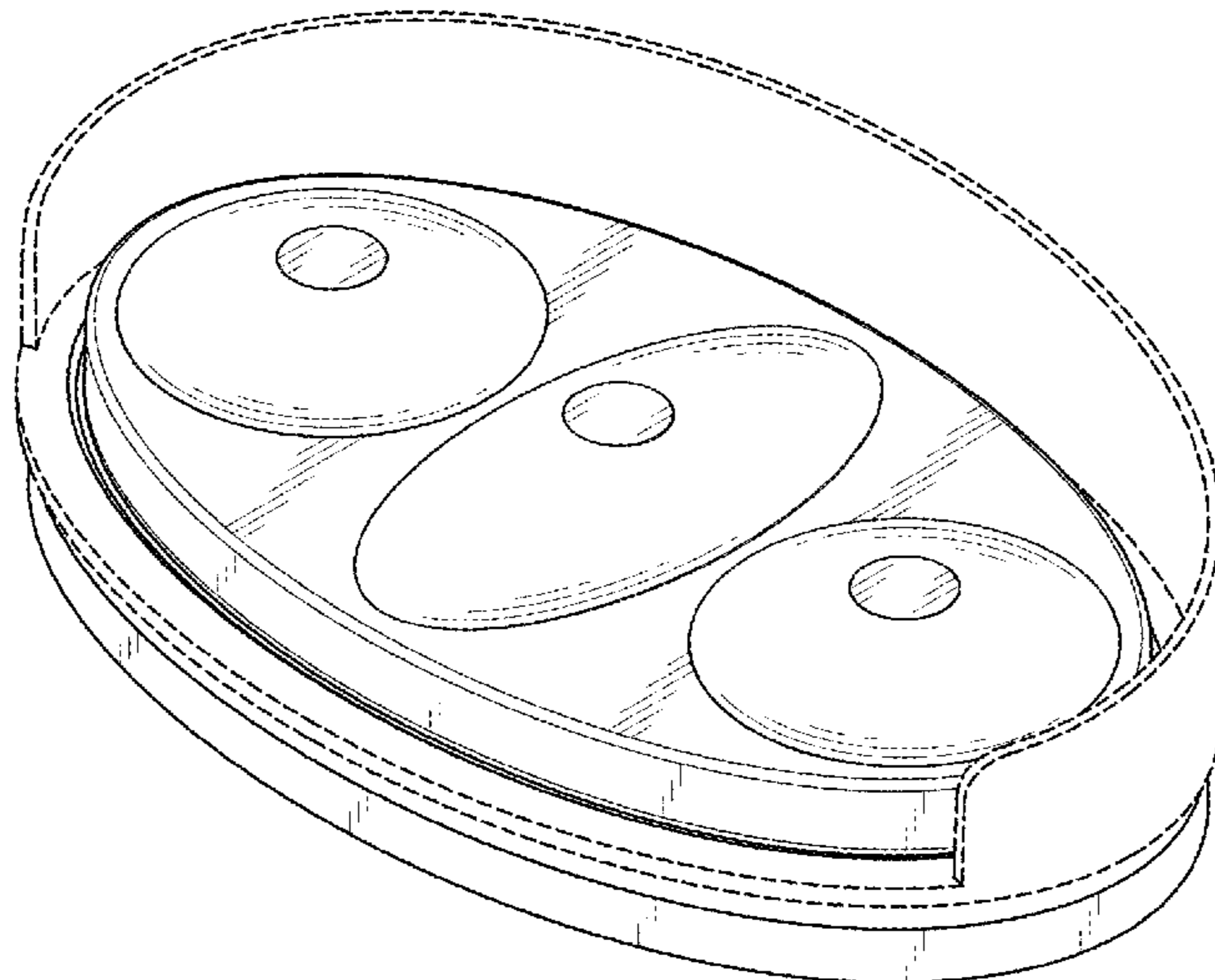
Primary Examiner — Jeffrey D Asch
Assistant Examiner — Rebekah A Caruso

(57) **CLAIM**

The ornamental design for a horn antenna, as shown and described.

FIG. 1 is a top perspective view of a first embodiment of a horn antenna, in accordance with our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left view thereof;
FIG. 5 is a right view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof;
FIG. 8 is a bottom perspective view thereof;
FIG. 9 is a top perspective view of a second embodiment of a horn antenna, in accordance with our new design;
FIG. 10 is a front view thereof;
FIG. 11 is a rear view thereof;
FIG. 12 is a left view thereof;
FIG. 13 is a right view thereof;
FIG. 14 is a top plan view thereof;
FIG. 15 is a bottom plan view thereof;
FIG. 16 is a bottom perspective view thereof;
FIG. 17 is a top perspective view of a third embodiment of a horn antenna, in accordance with our new design;
FIG. 18 is a front view thereof;
FIG. 19 is a rear view thereof;
FIG. 20 is a left view thereof;
FIG. 21 is a right view thereof;
FIG. 22 is a top plan view thereof;
FIG. 23 is a bottom plan view thereof;
FIG. 24 is a bottom perspective view thereof;
FIG. 25 is a top perspective view of a fourth embodiment of a horn antenna, in accordance with our new design;
FIG. 26 is a front view thereof;
FIG. 27 is a rear view thereof;
FIG. 28 is a left view thereof;
FIG. 29 is a right view thereof;
FIG. 30 is a top plan view thereof;
FIG. 31 is a bottom plan view thereof; and,
FIG. 32 is a bottom perspective view thereof.
The broken lines in the drawings depict parts of the horn antenna only and form no part of the claimed design.

1 Claim, 20 Drawing Sheets



(58) **Field of Classification Search**

CPC 19/13; H01Q 19/15; H01Q 19/30; H01Q
21/28; H01Q 21/06; H01Q 21/062; H01Q
21/293; H01Q 23/00; H01Q 13/0241;
H01Q 13/025; G05D 1/02; G05D 1/0234
See application file for complete search history.

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2019/0157750	A1	*	5/2019	Chen	H01Q 1/42

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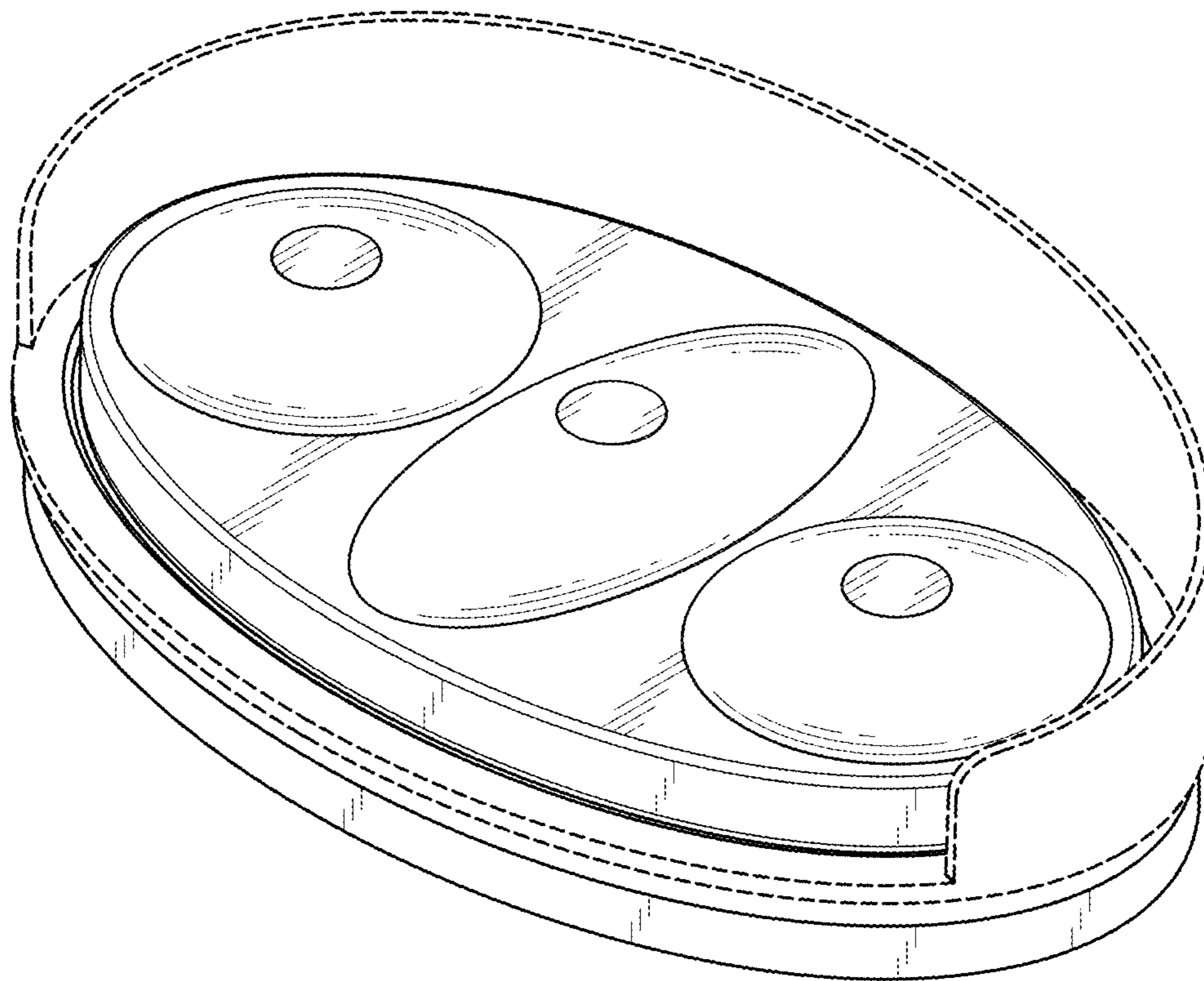


FIG. 1

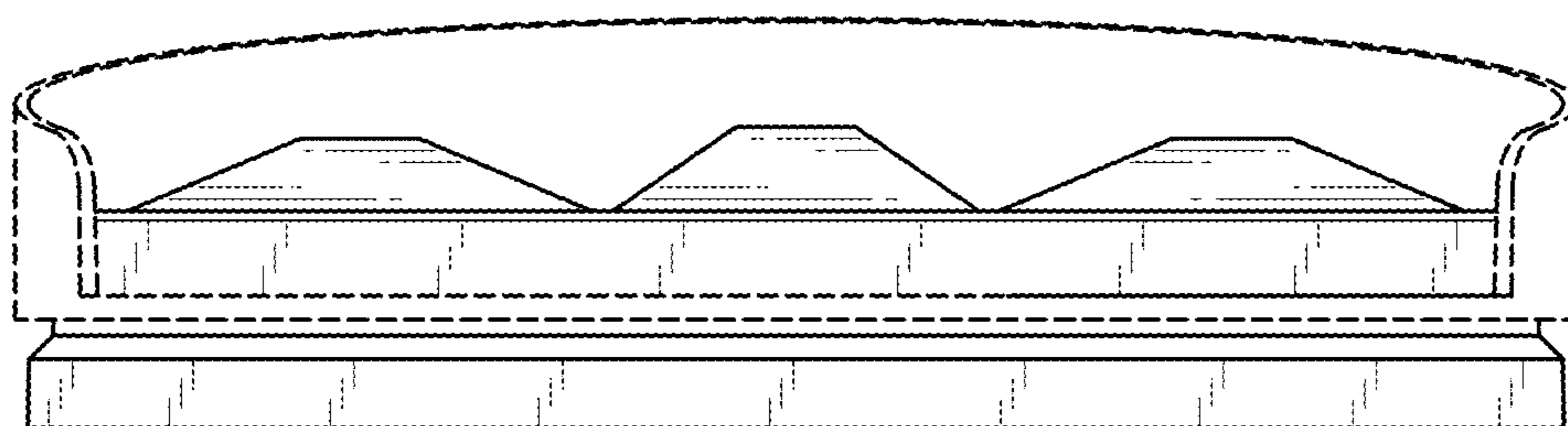


FIG. 2

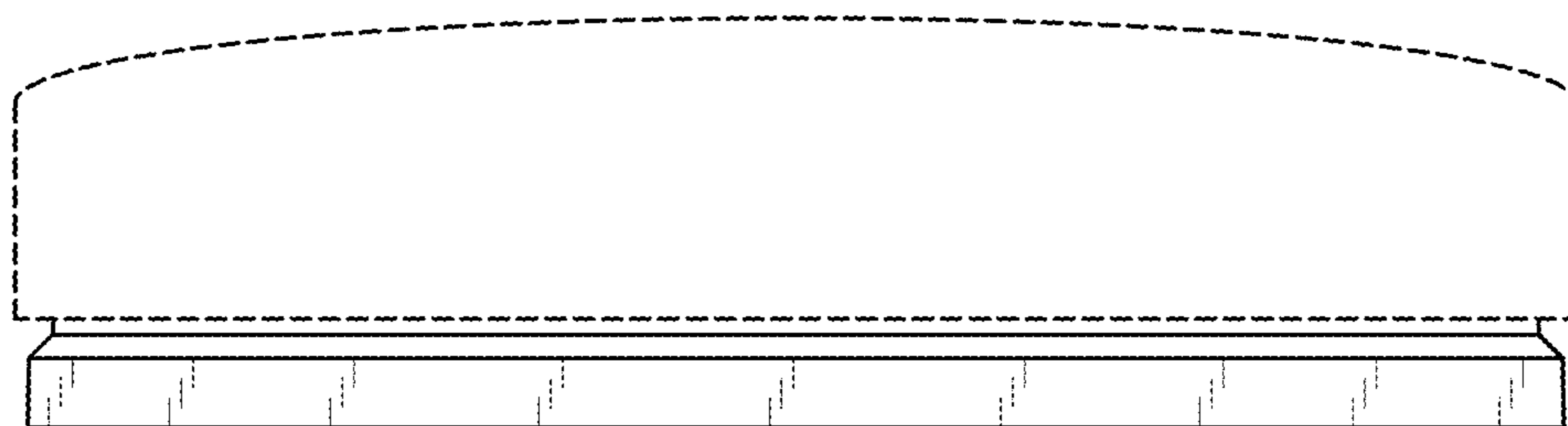


FIG. 3

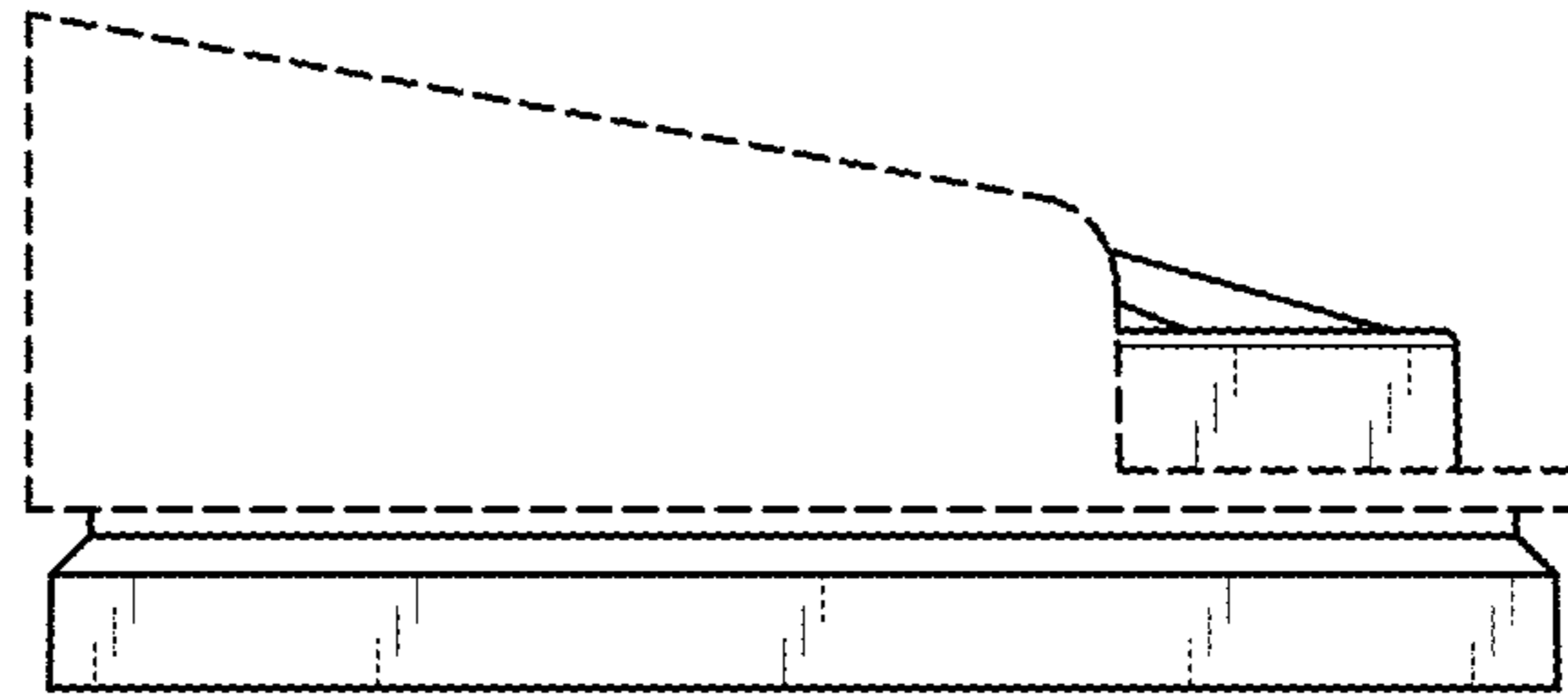


FIG. 4

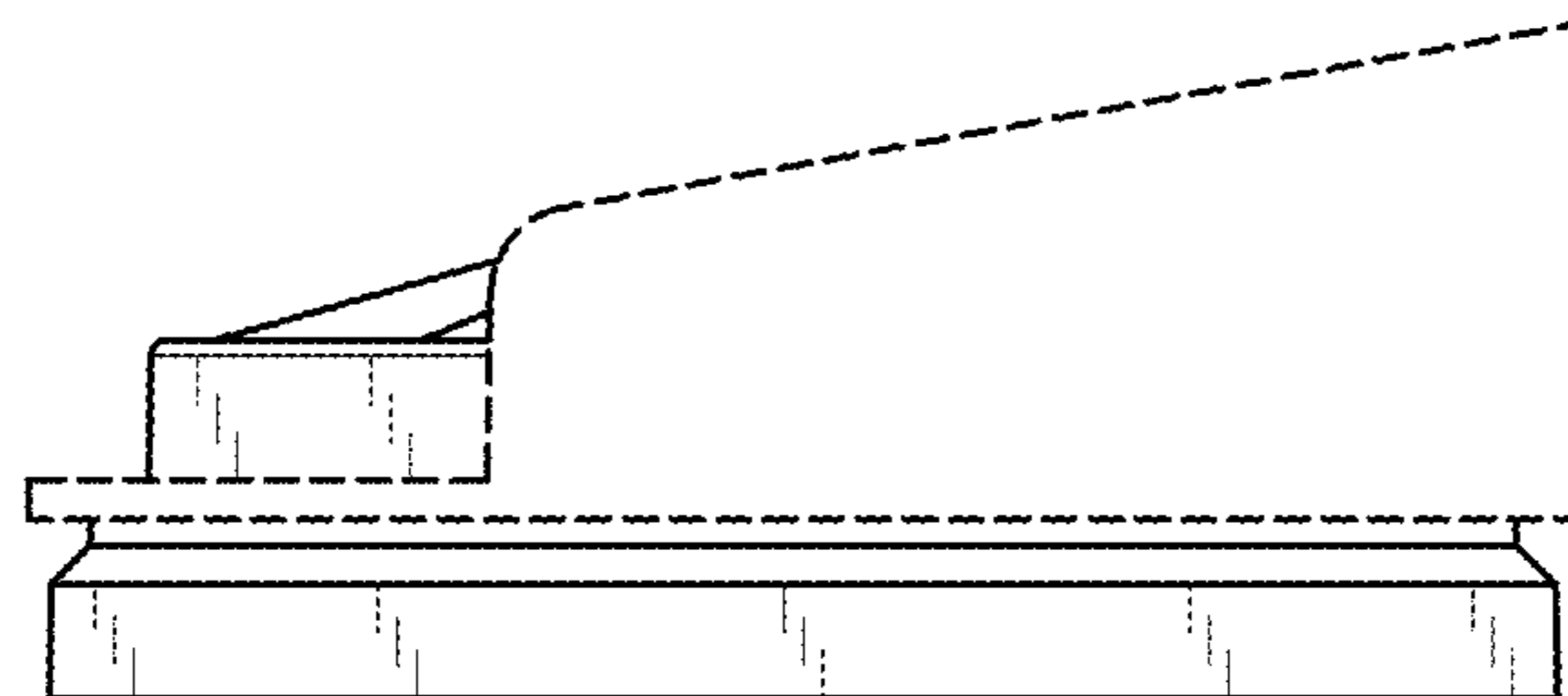


FIG. 5

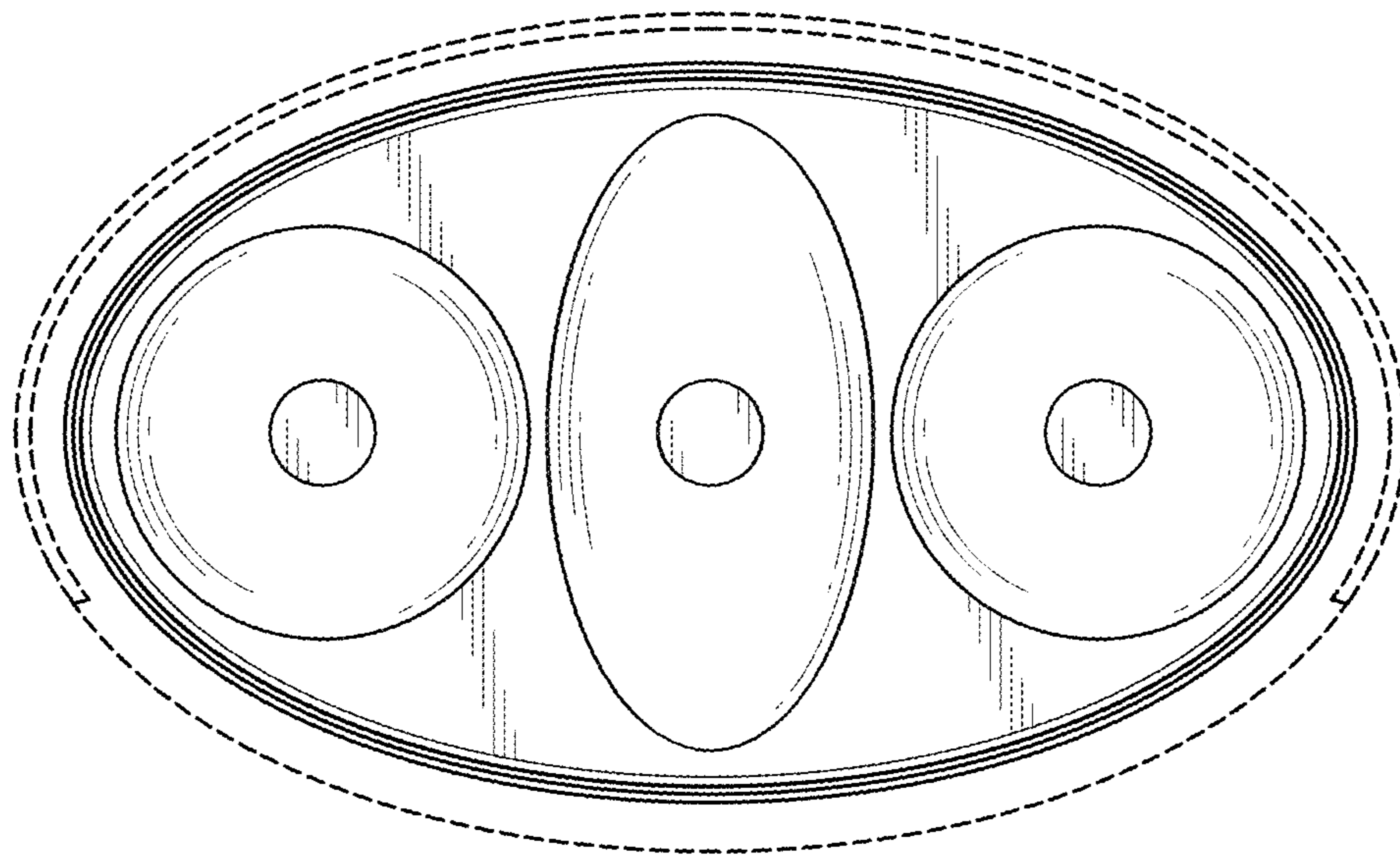


FIG. 6

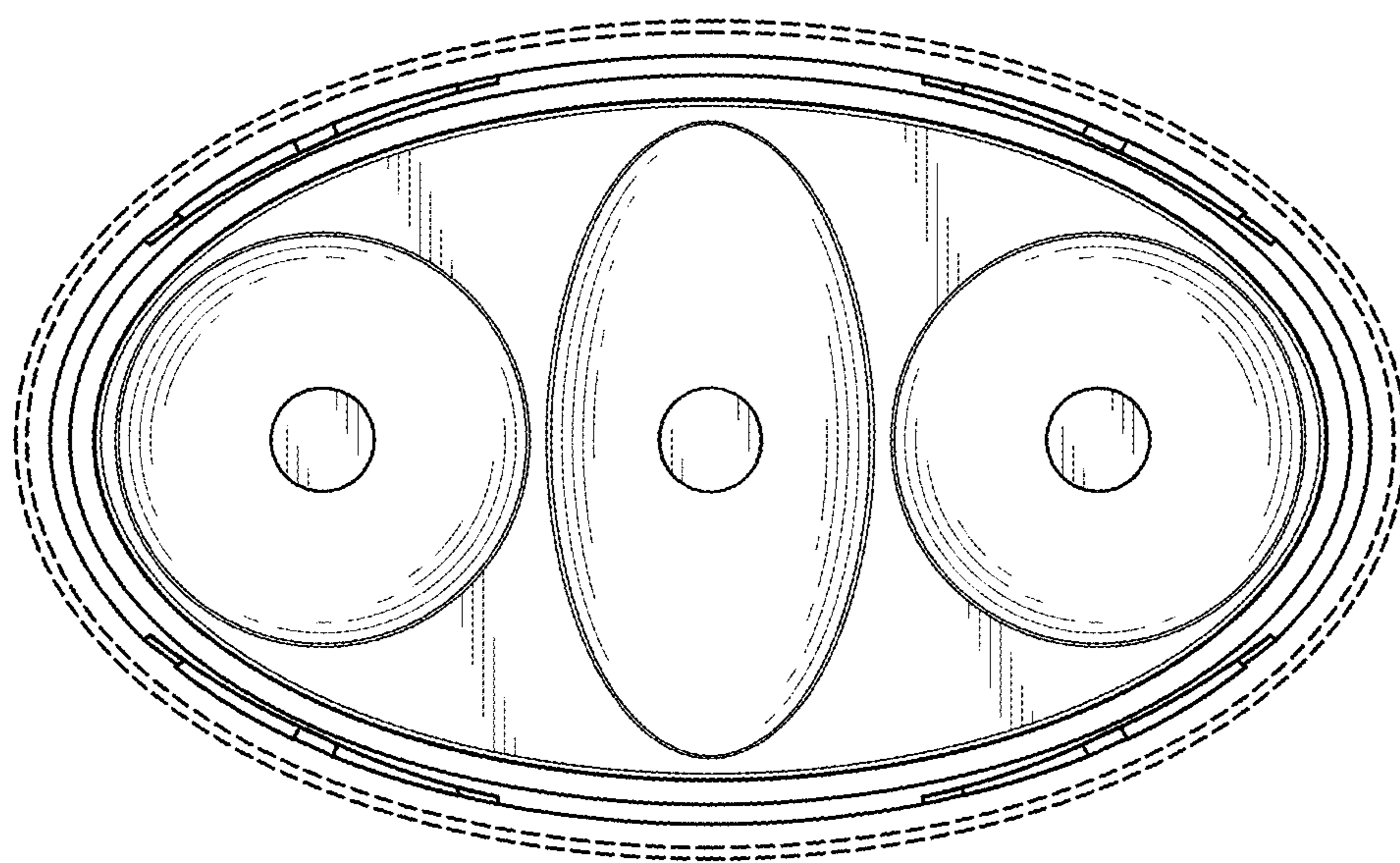


FIG. 7

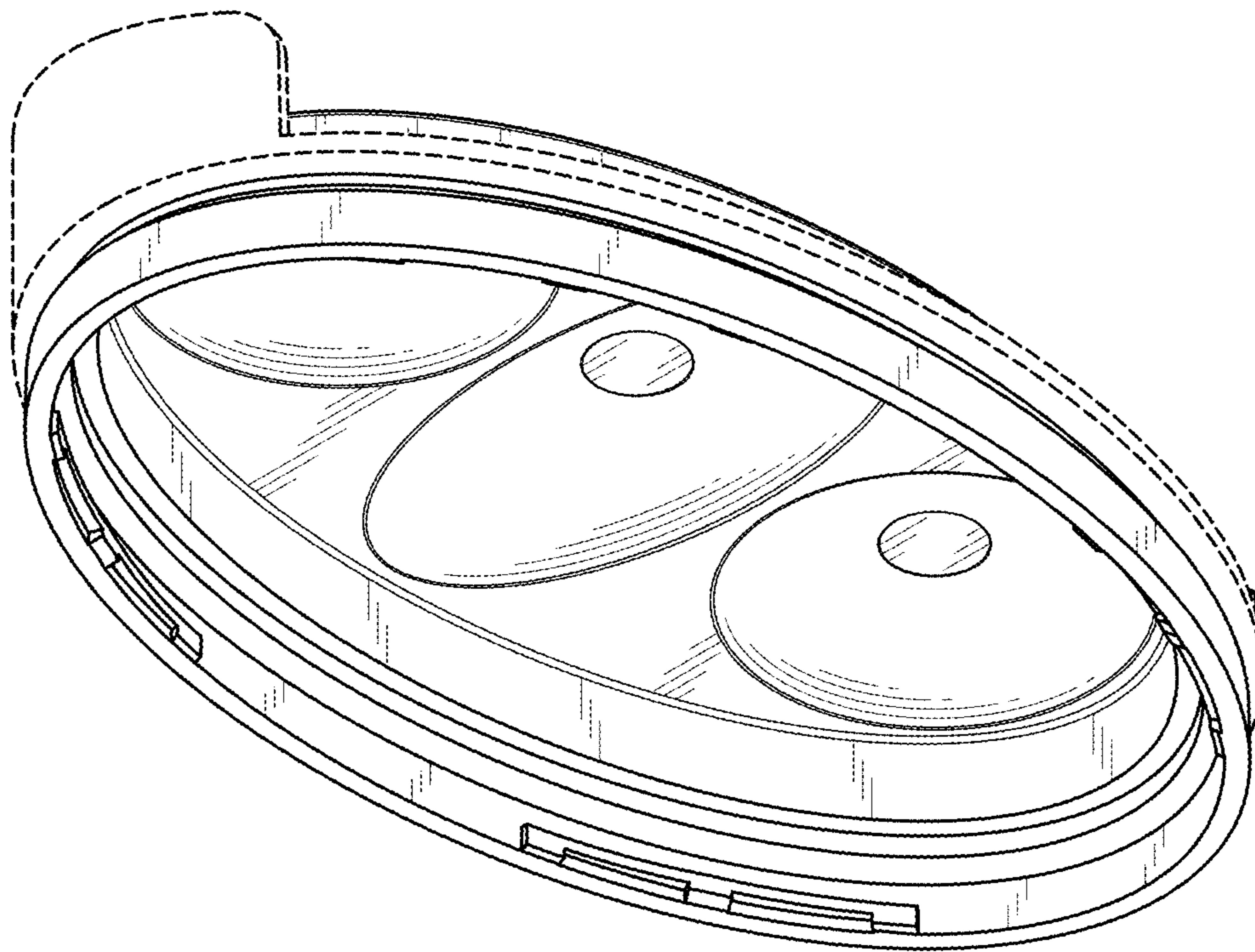


FIG. 8

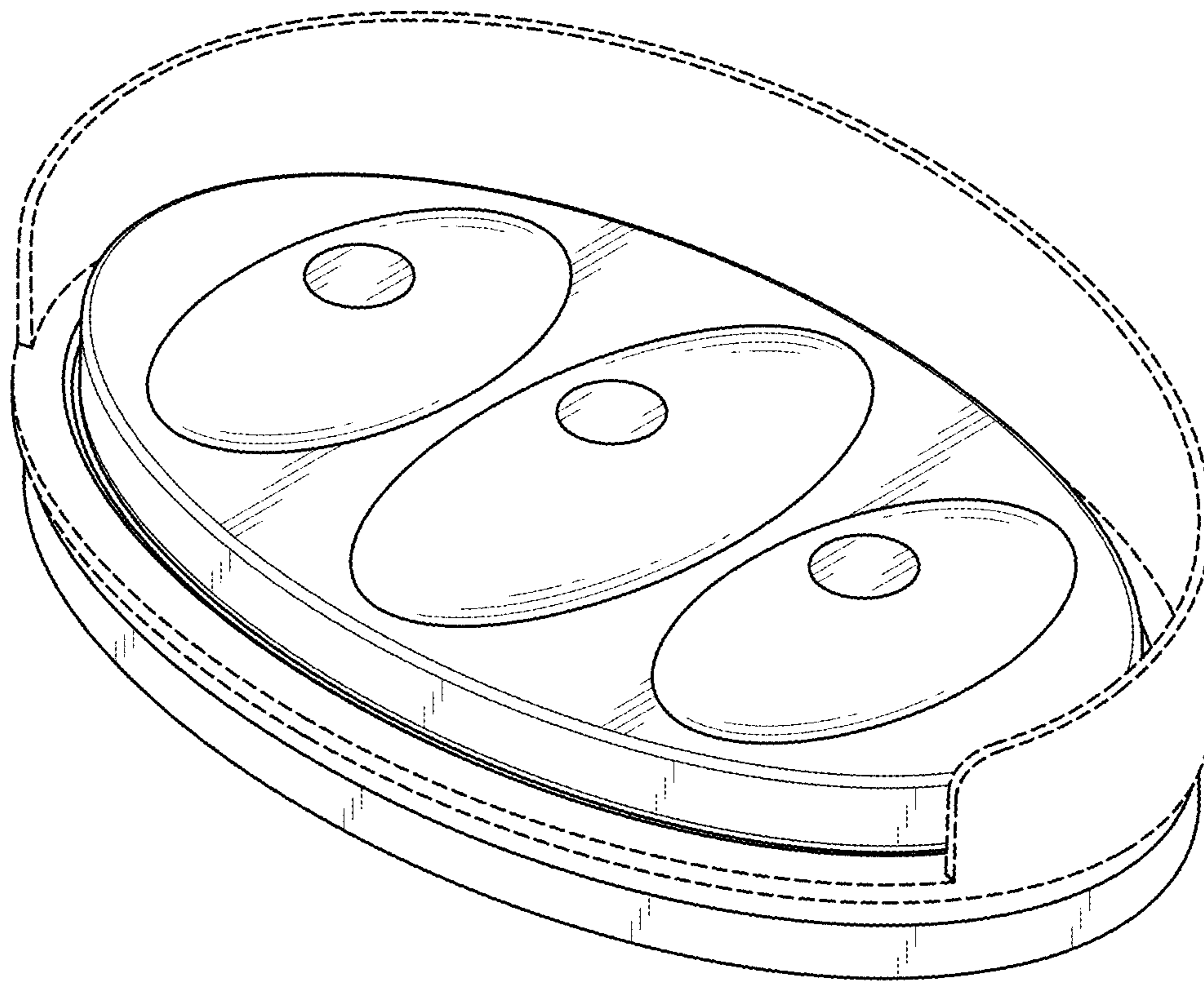


FIG. 9

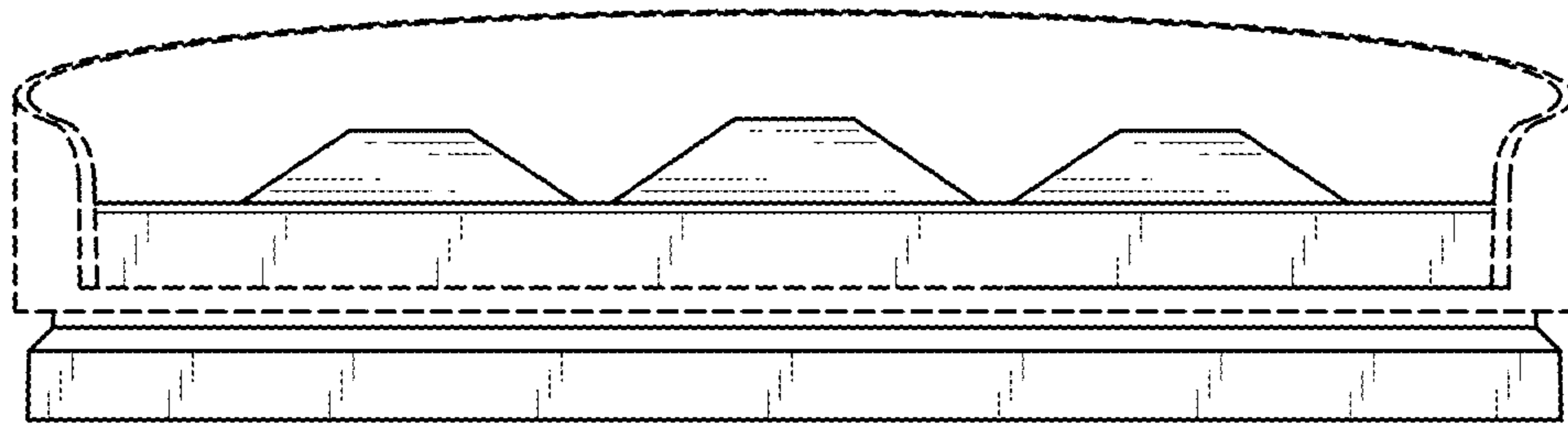


FIG. 10

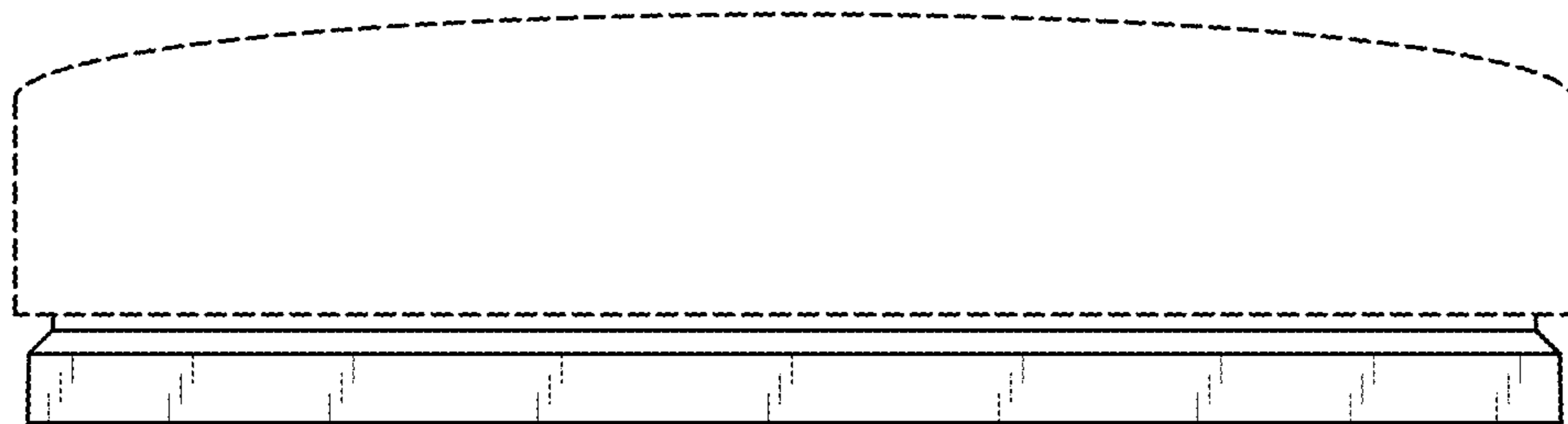


FIG. 11

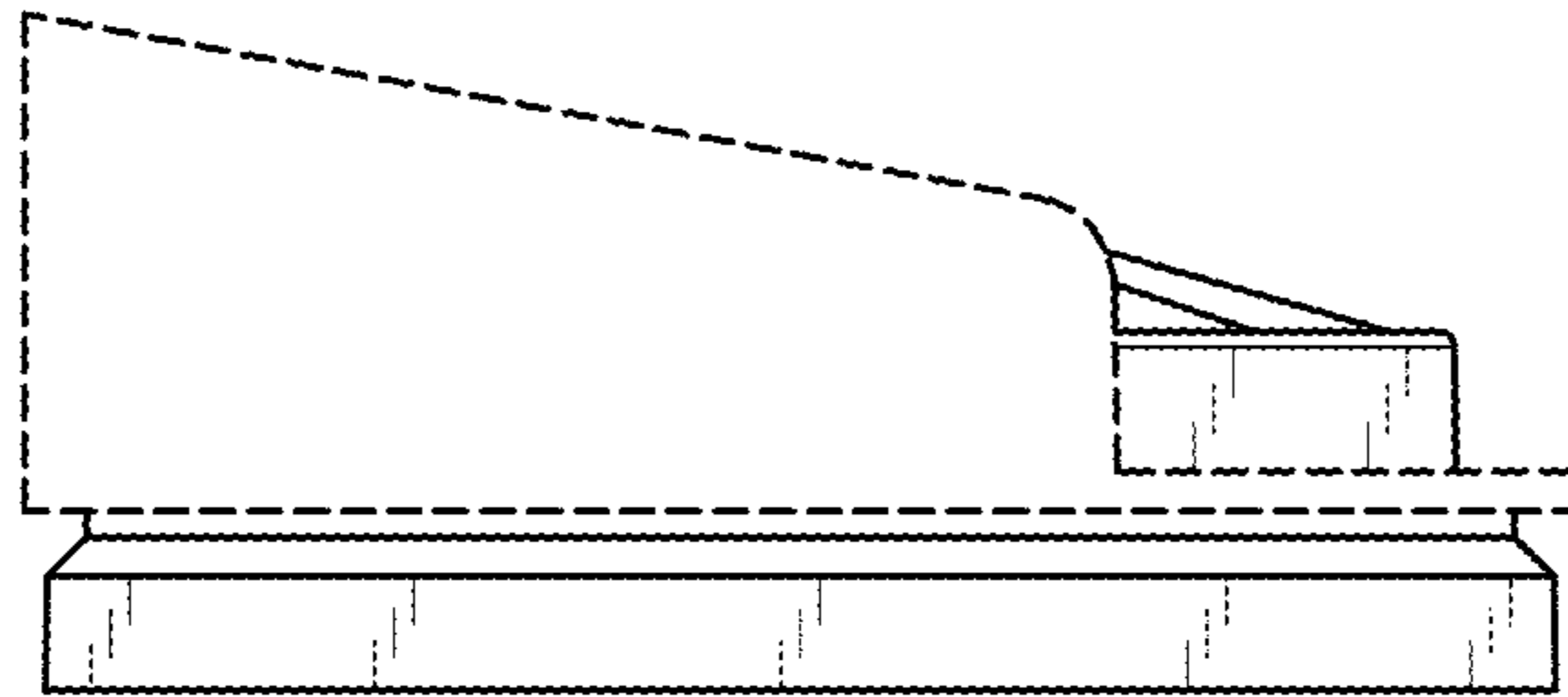


FIG. 12

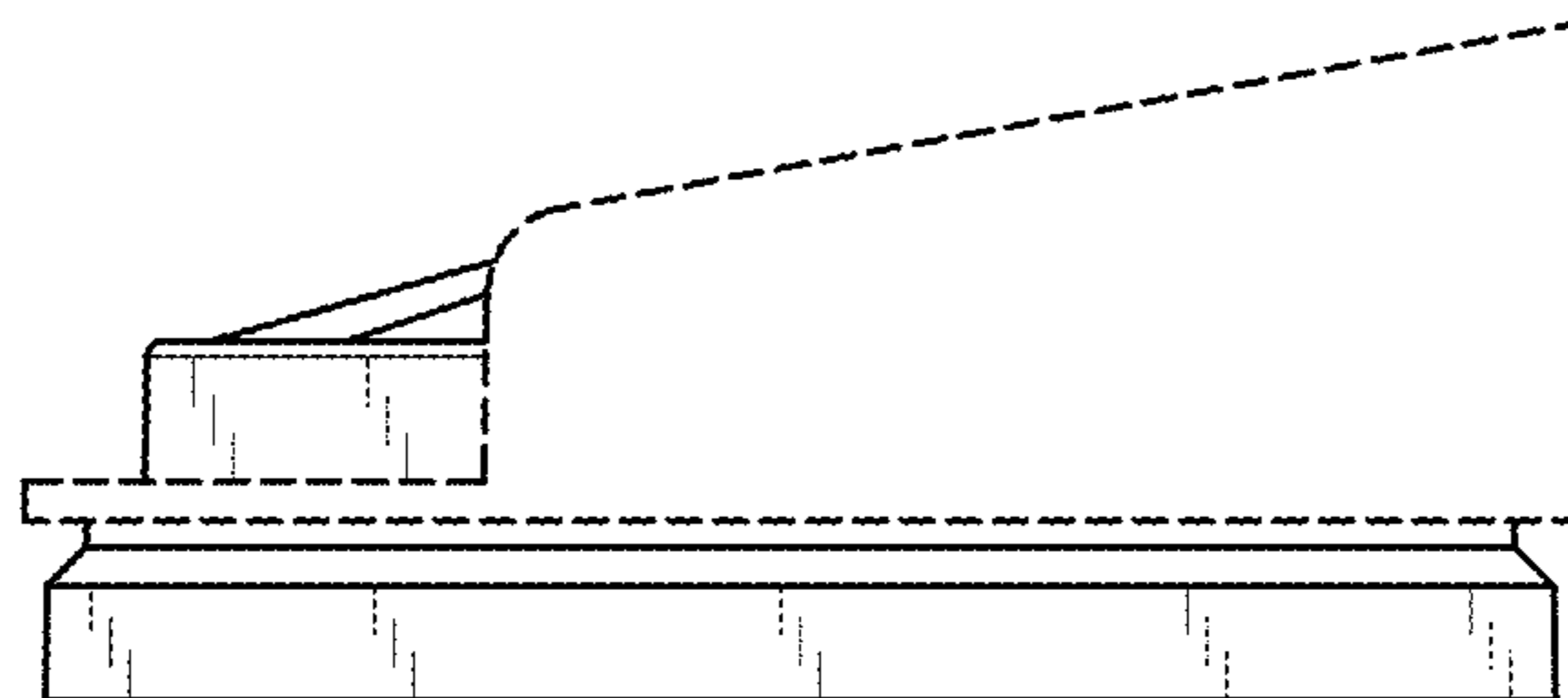


FIG. 13

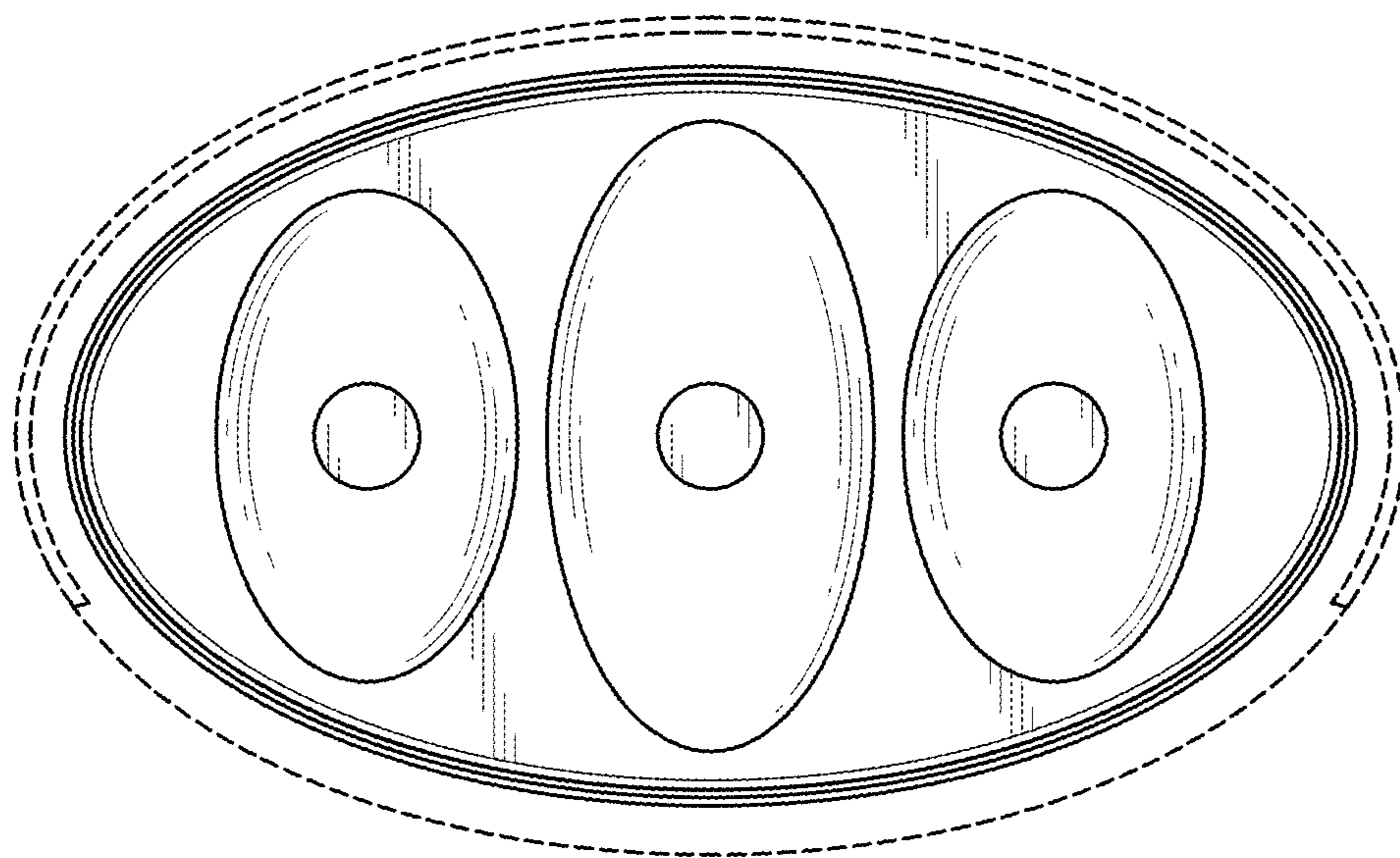


FIG. 14

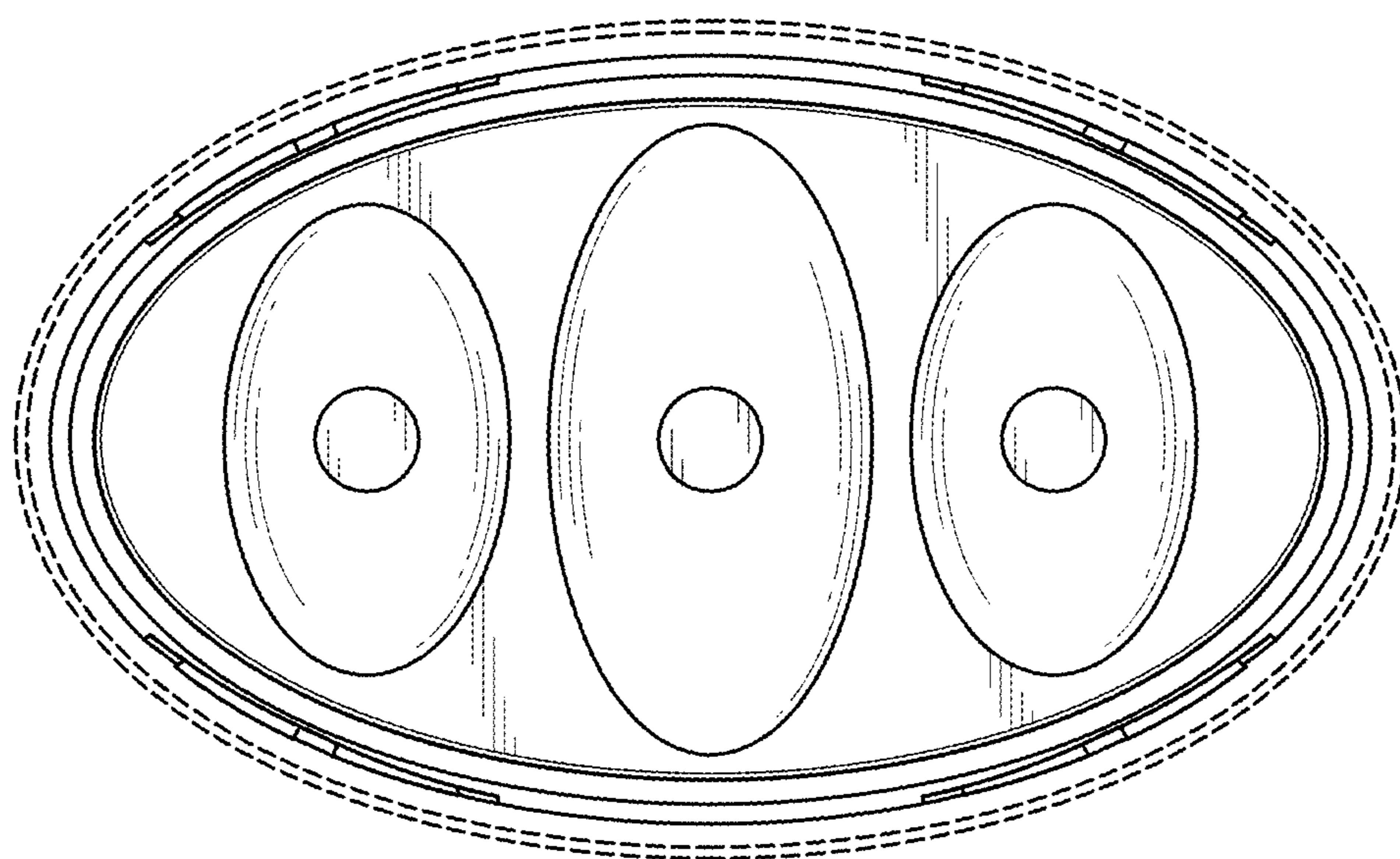


FIG. 15

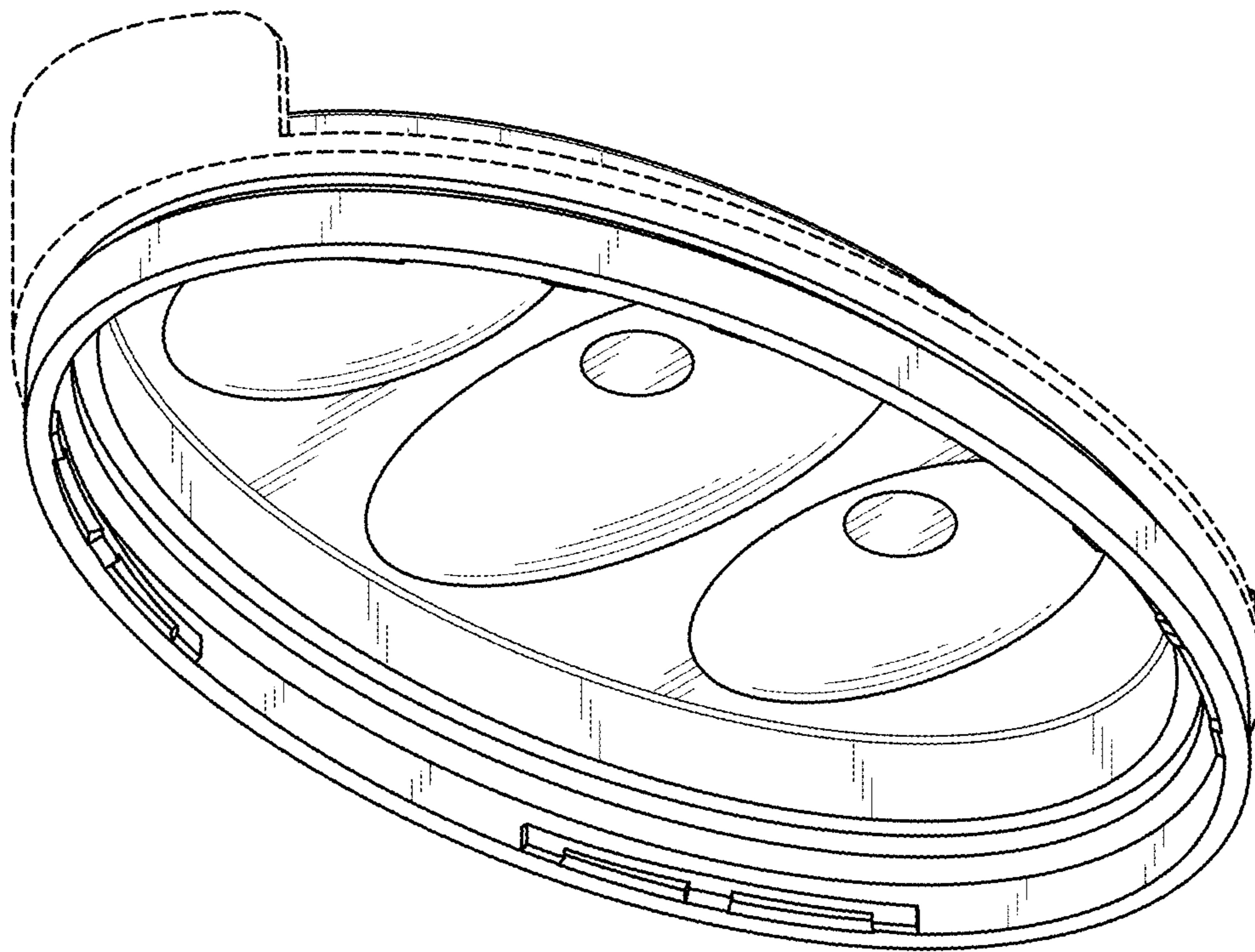


FIG. 16

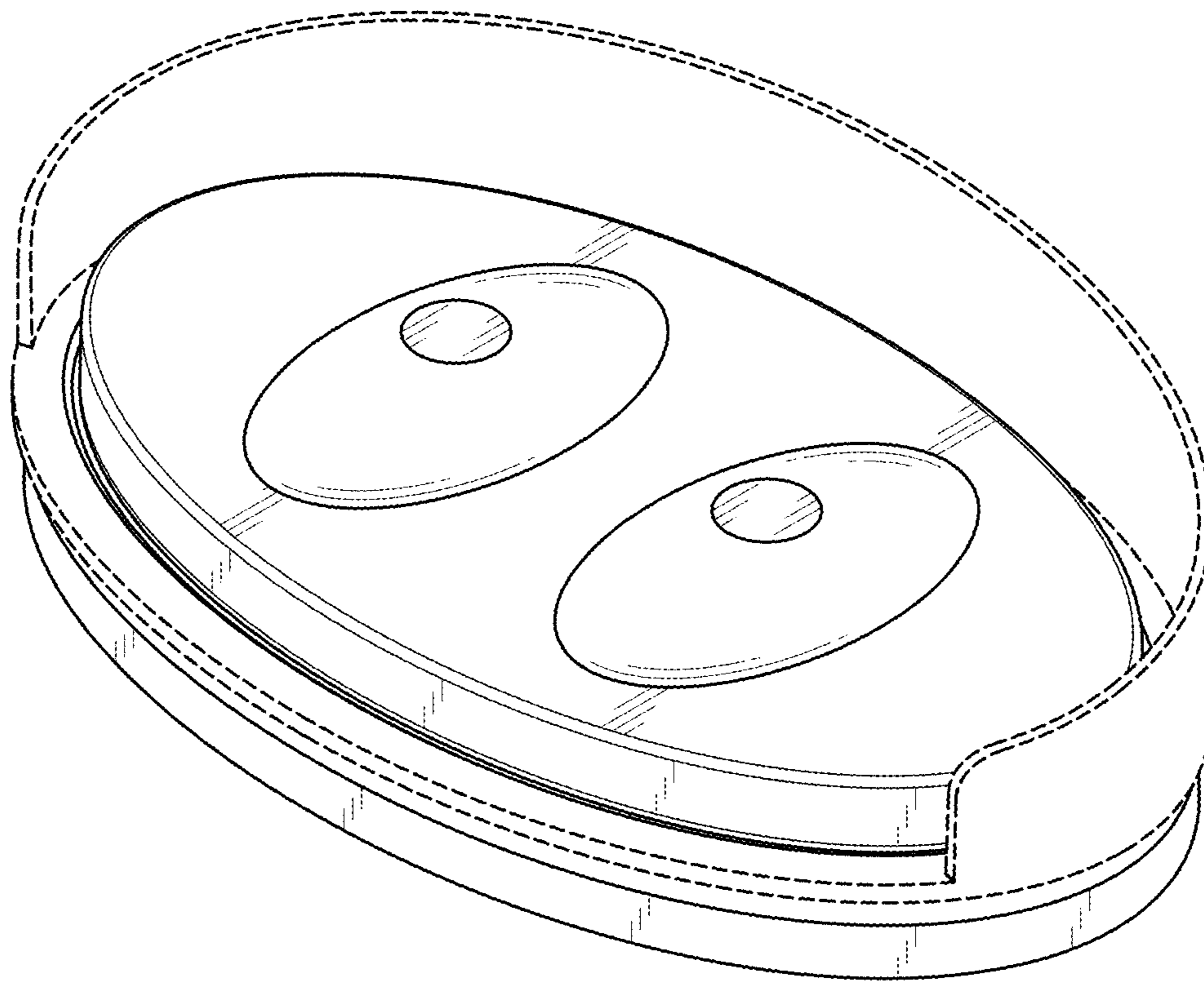


FIG. 17

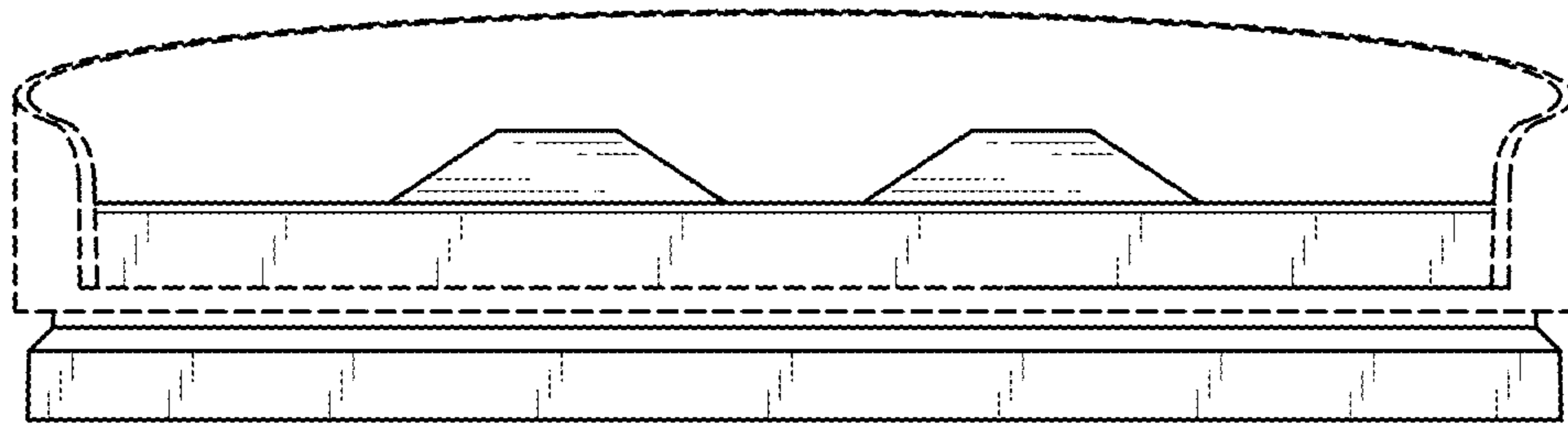


FIG. 18

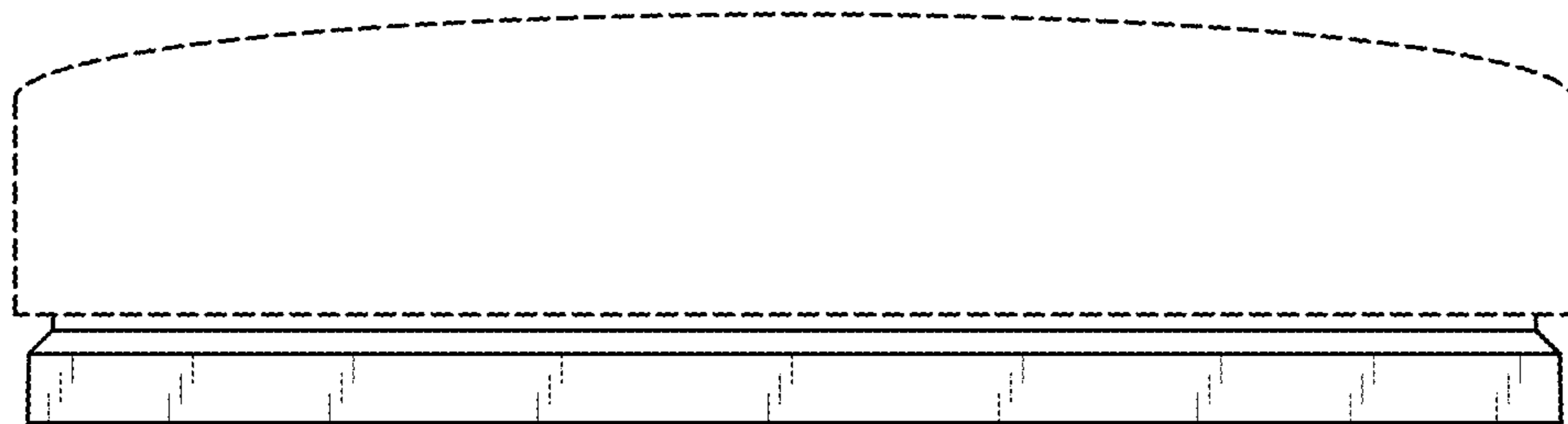


FIG. 19

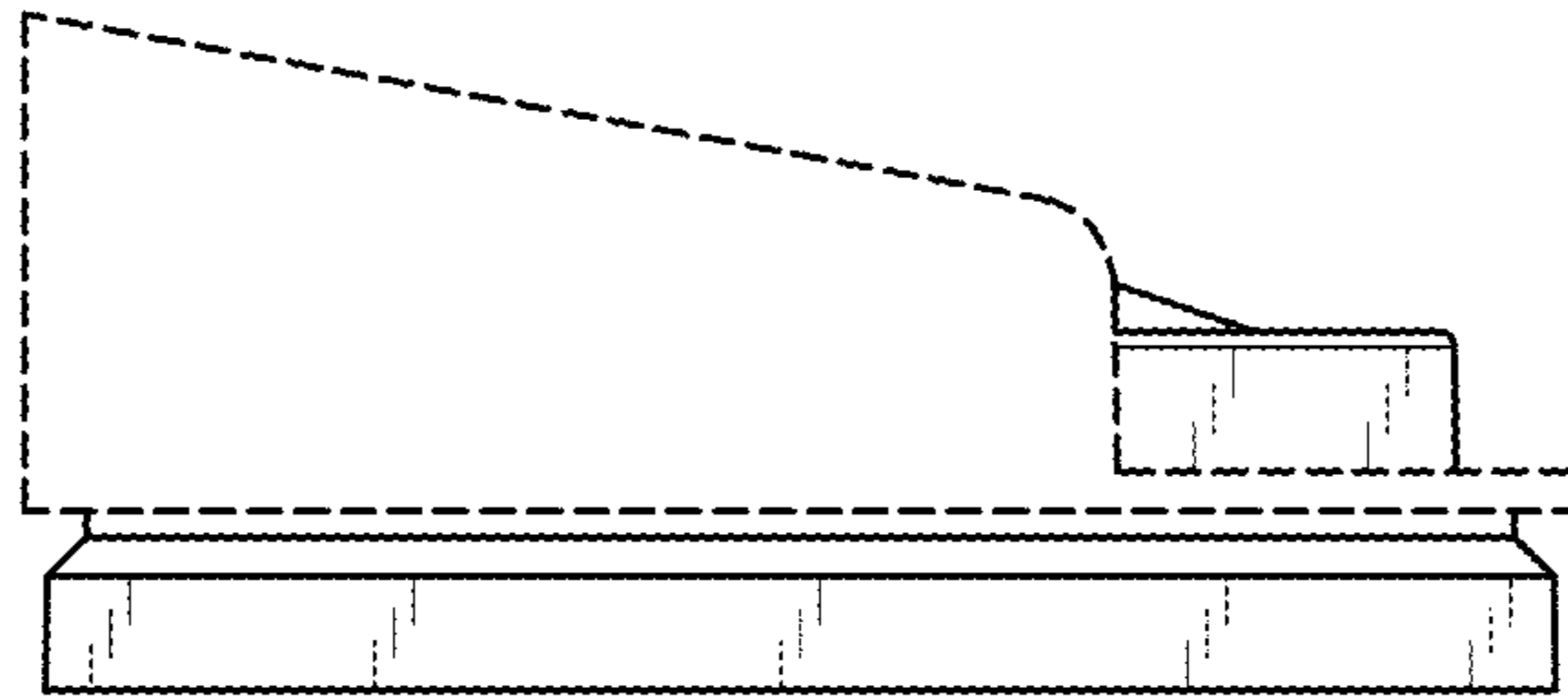


FIG. 20

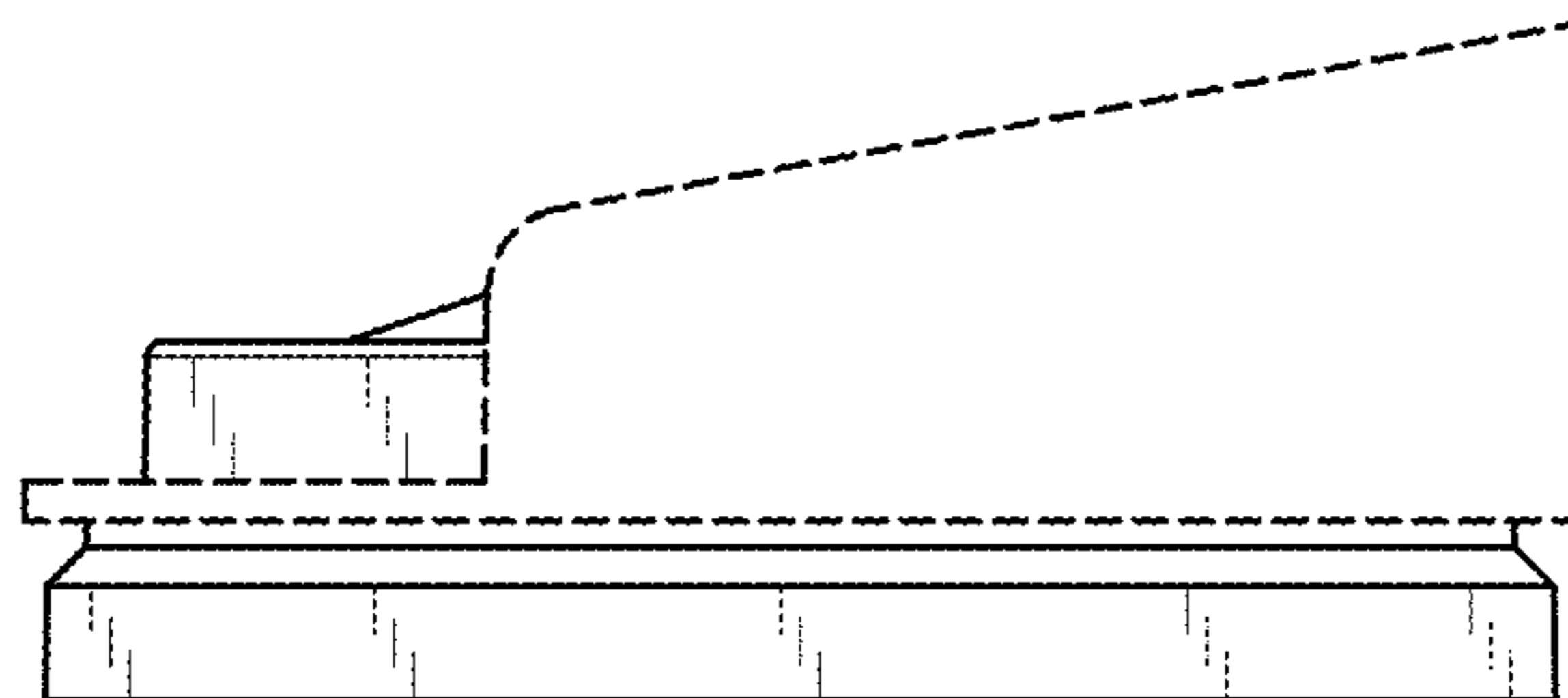


FIG. 21

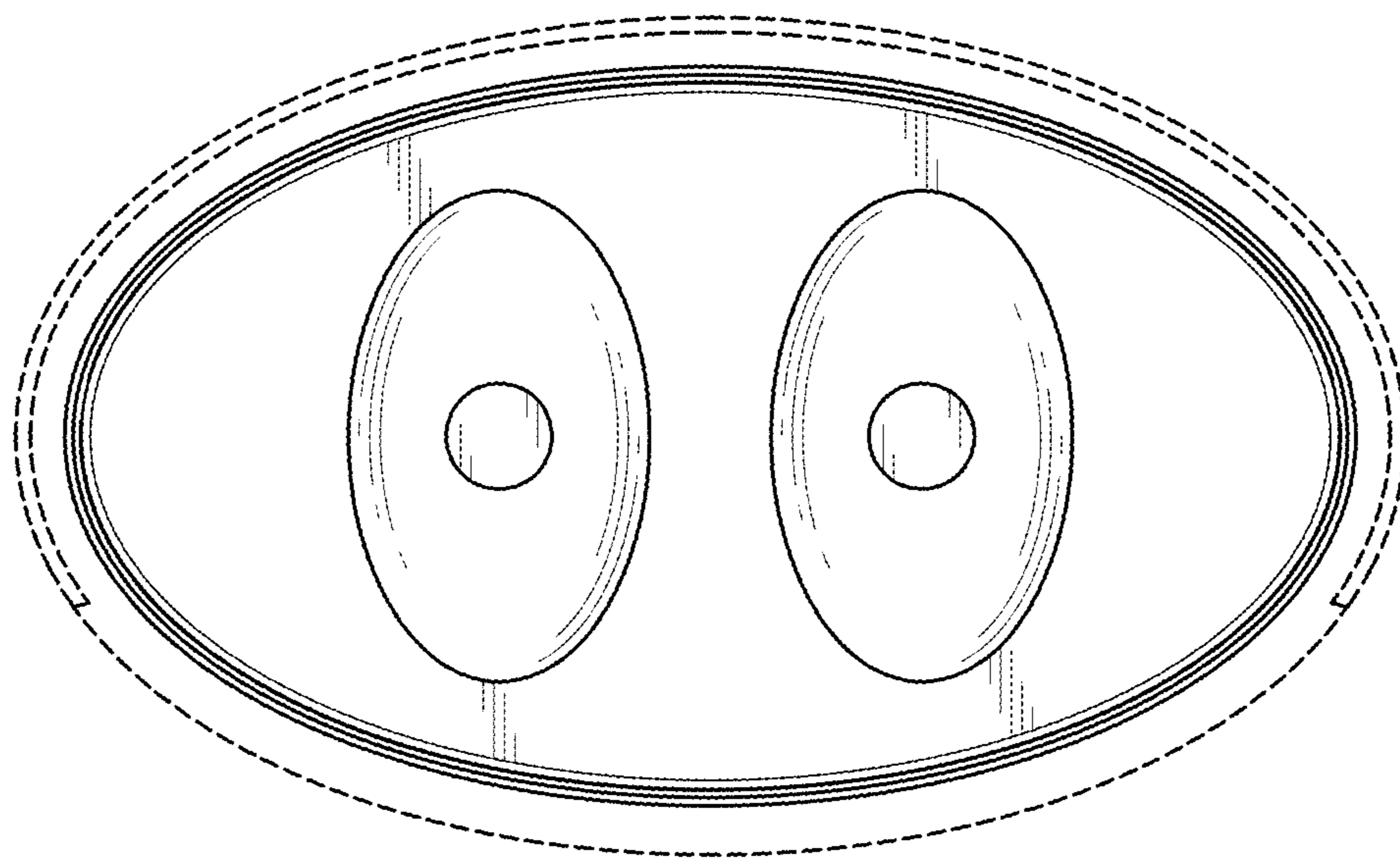


FIG. 22

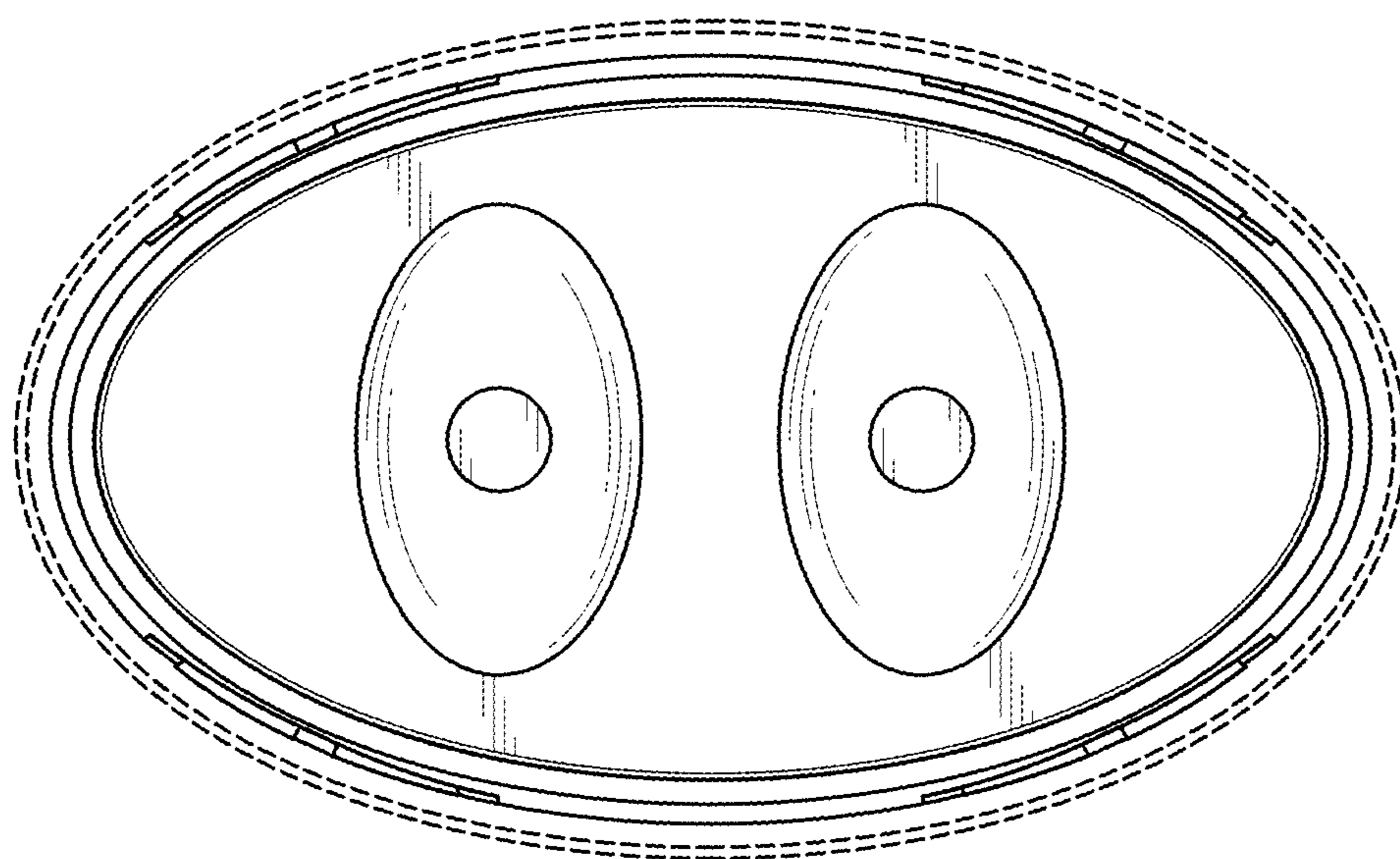


FIG. 23

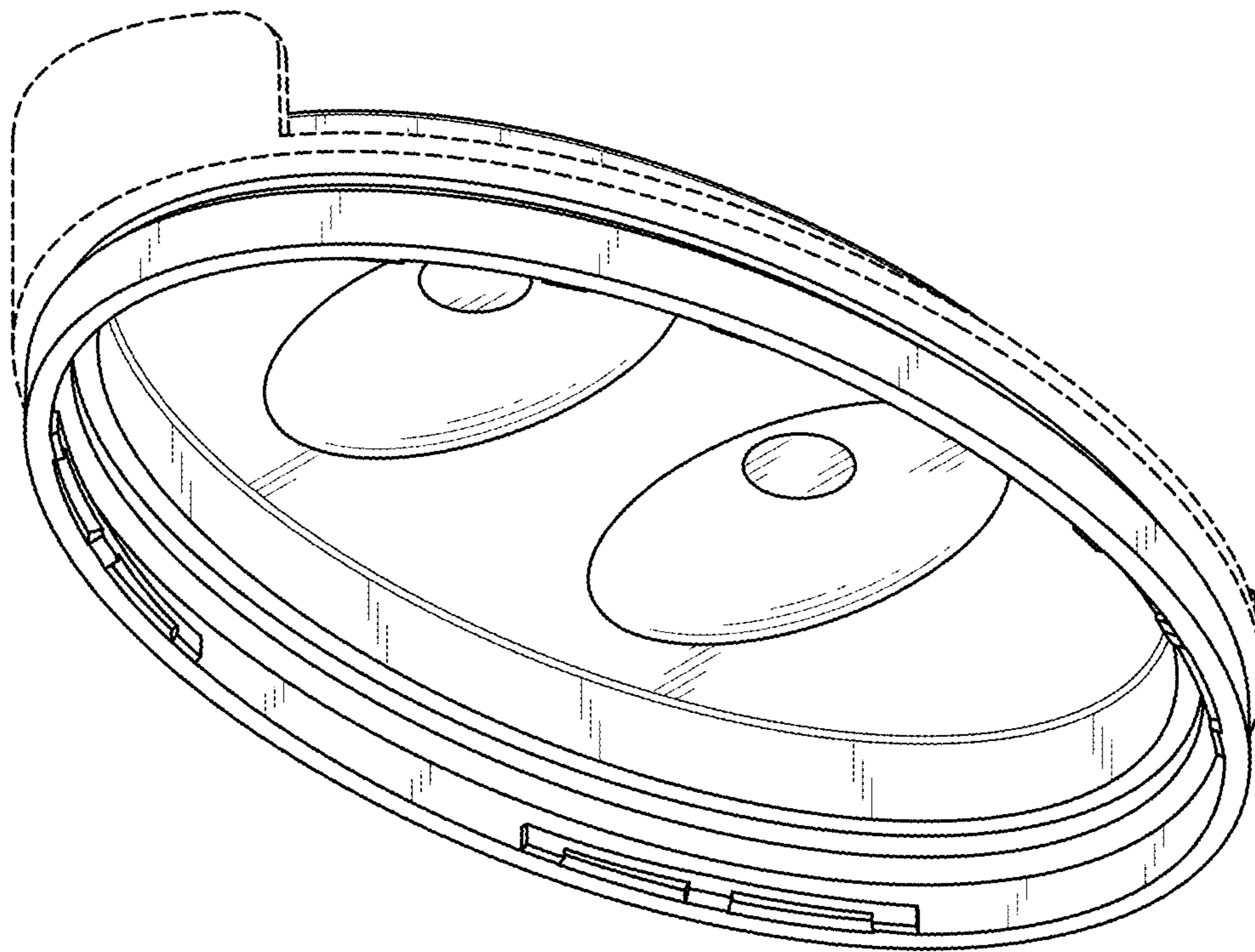


FIG. 24

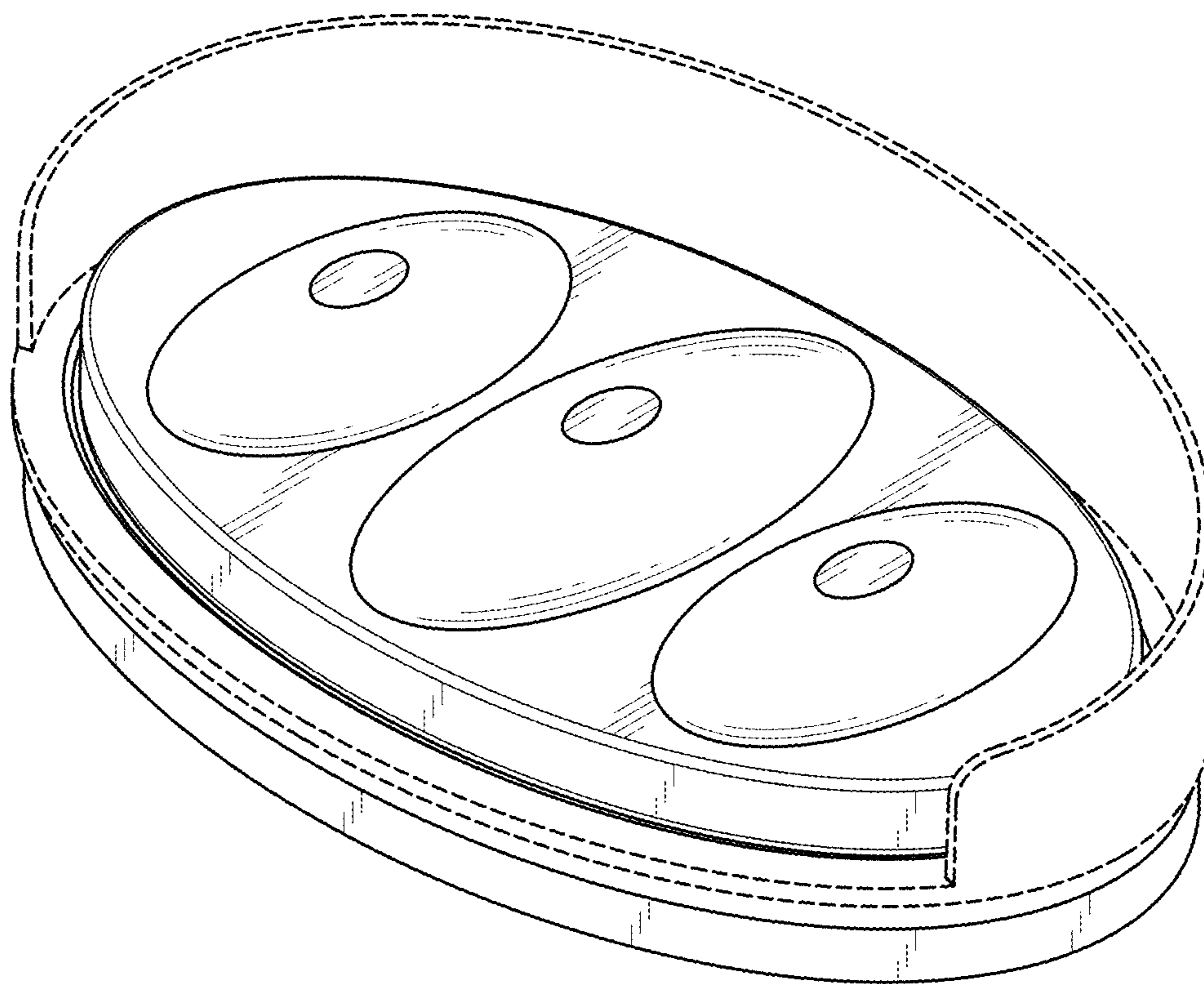


FIG. 25

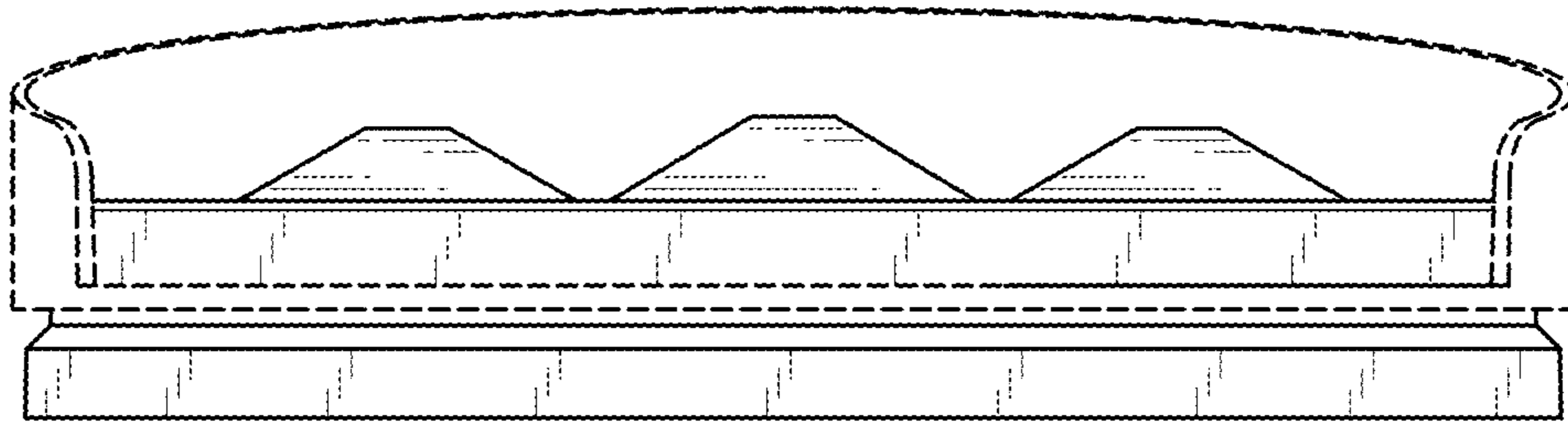


FIG. 26

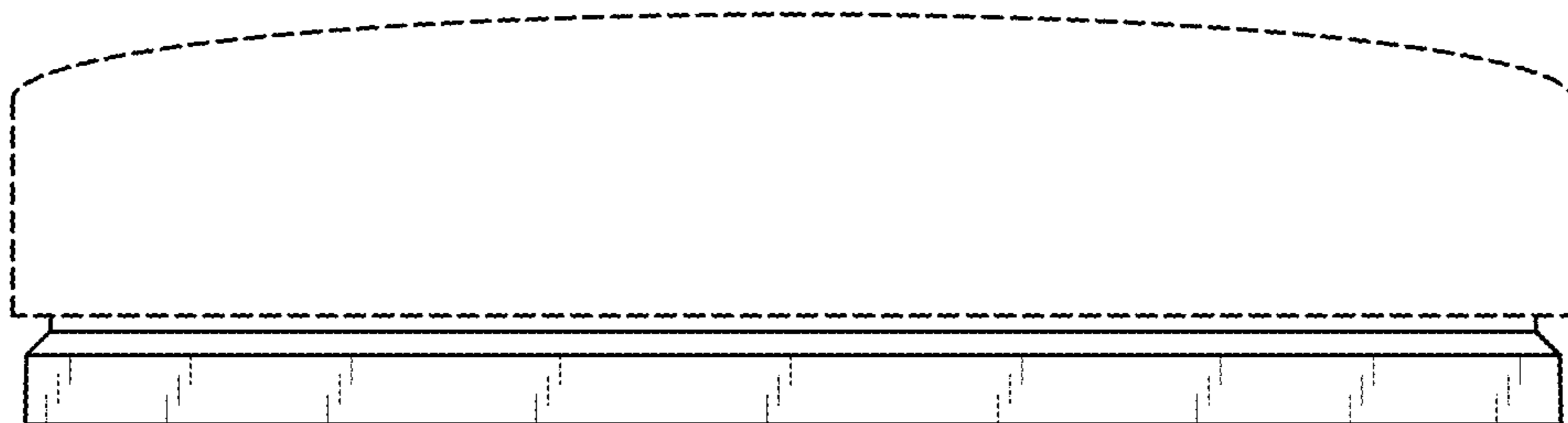


FIG. 27

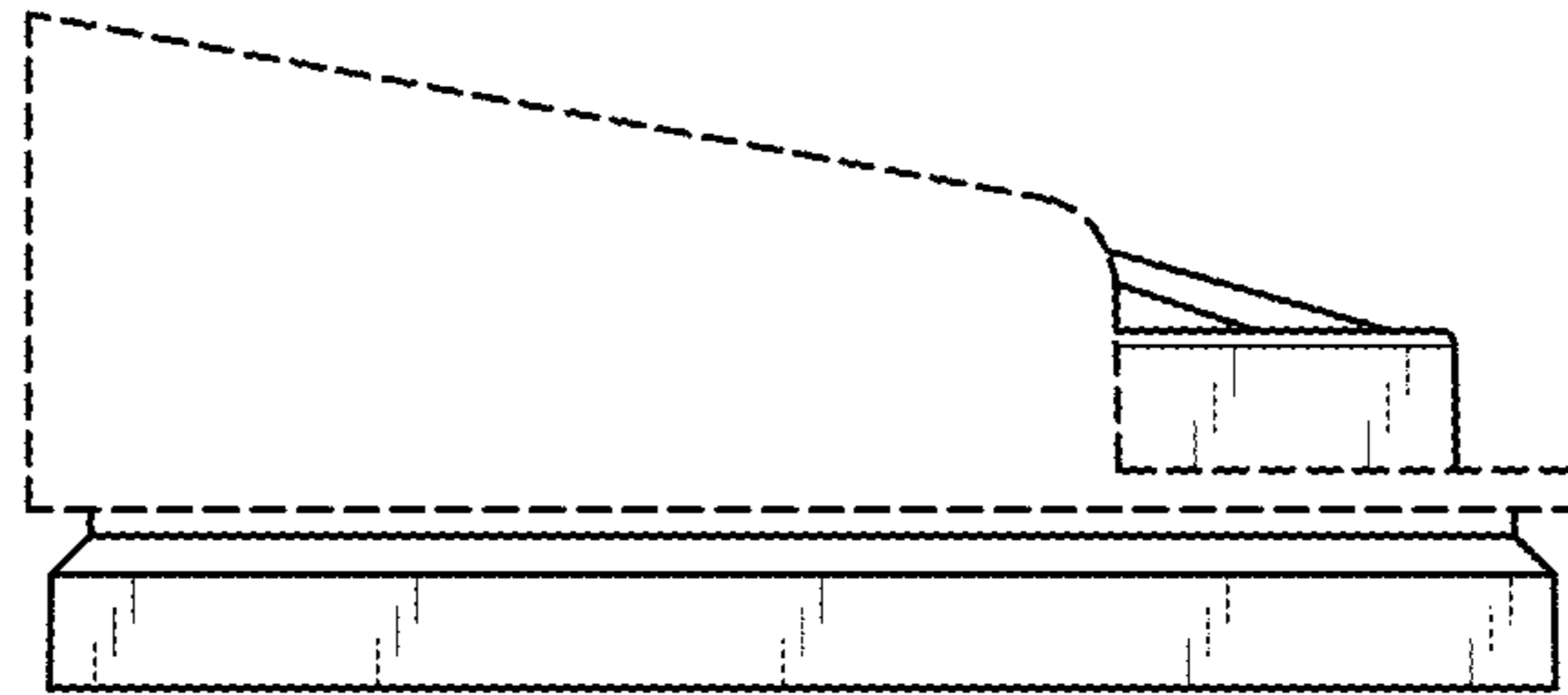


FIG. 28

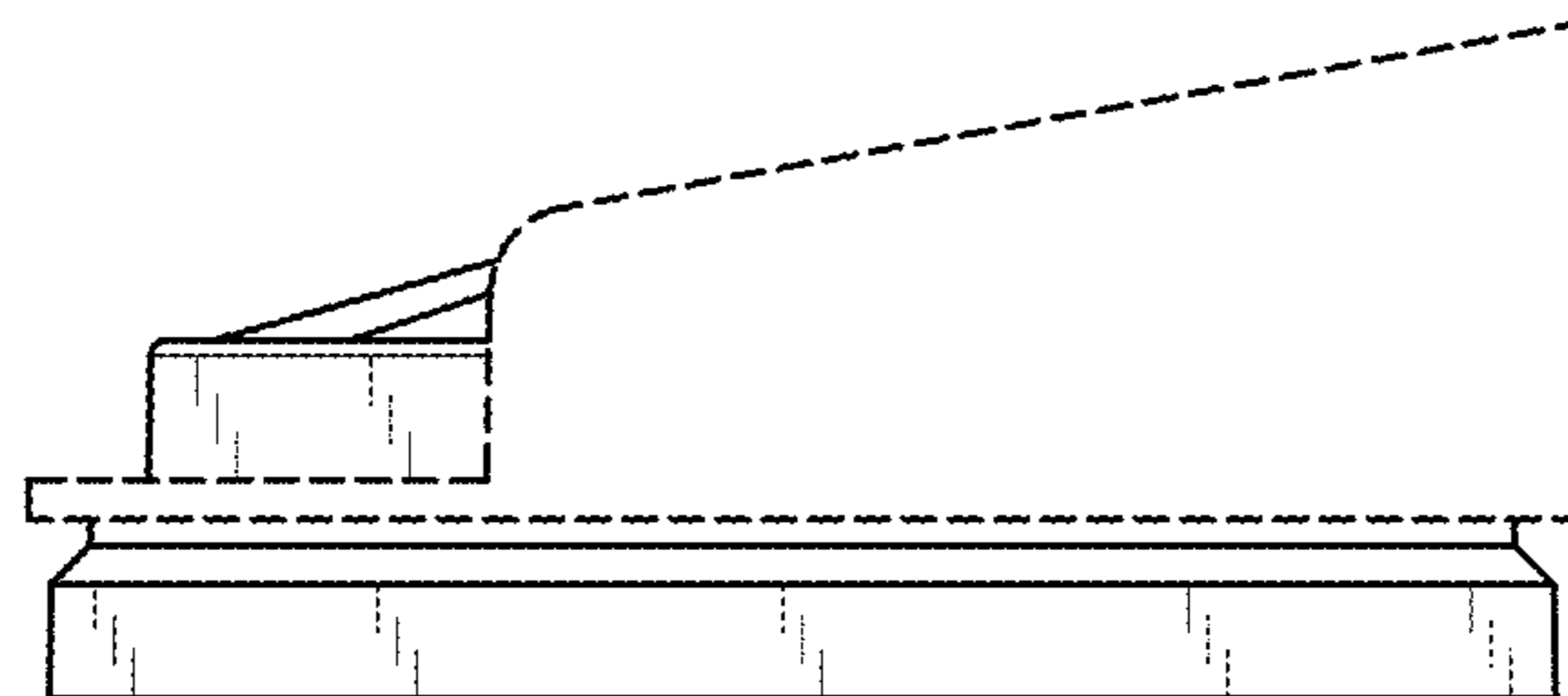


FIG. 29

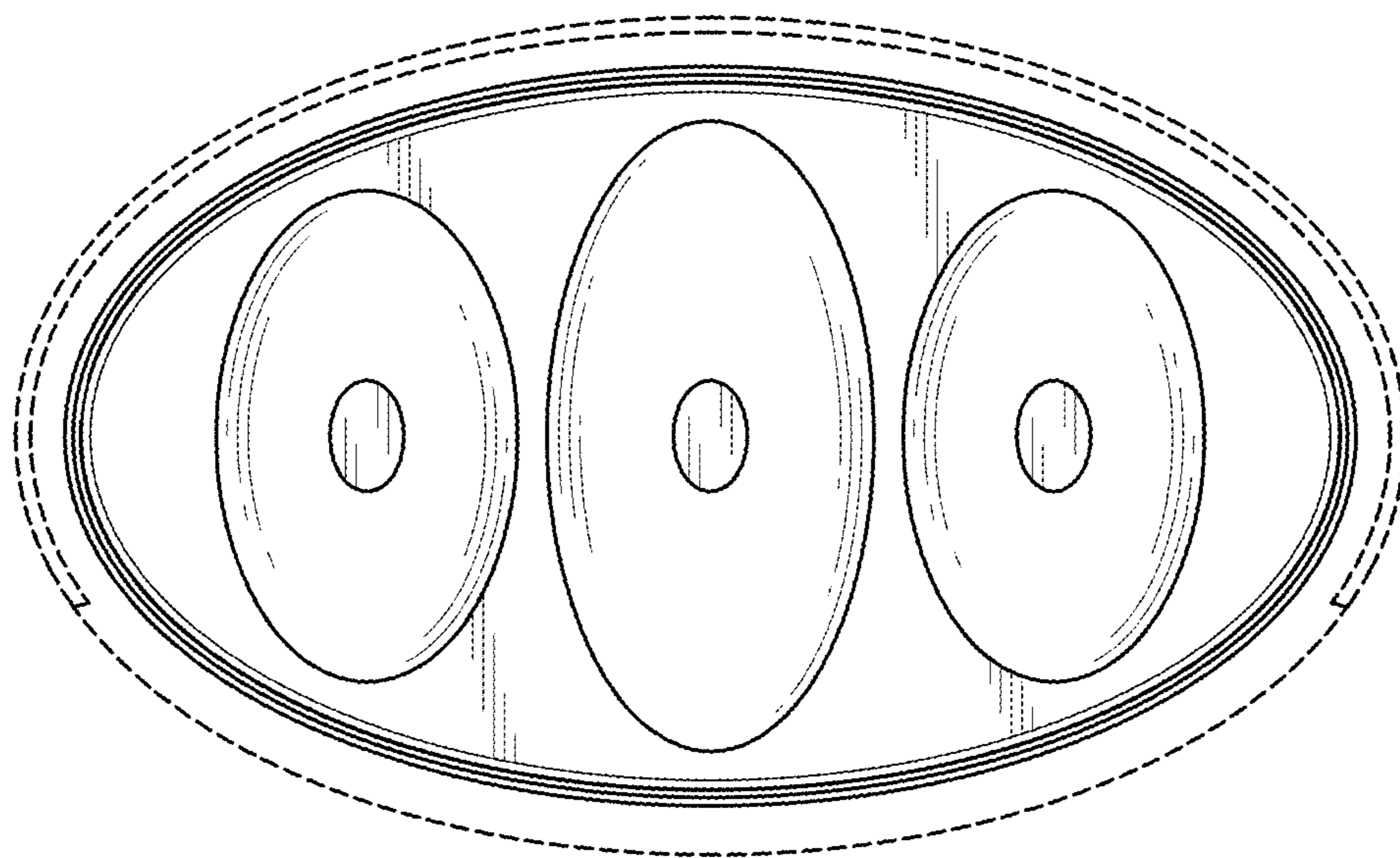


FIG. 30

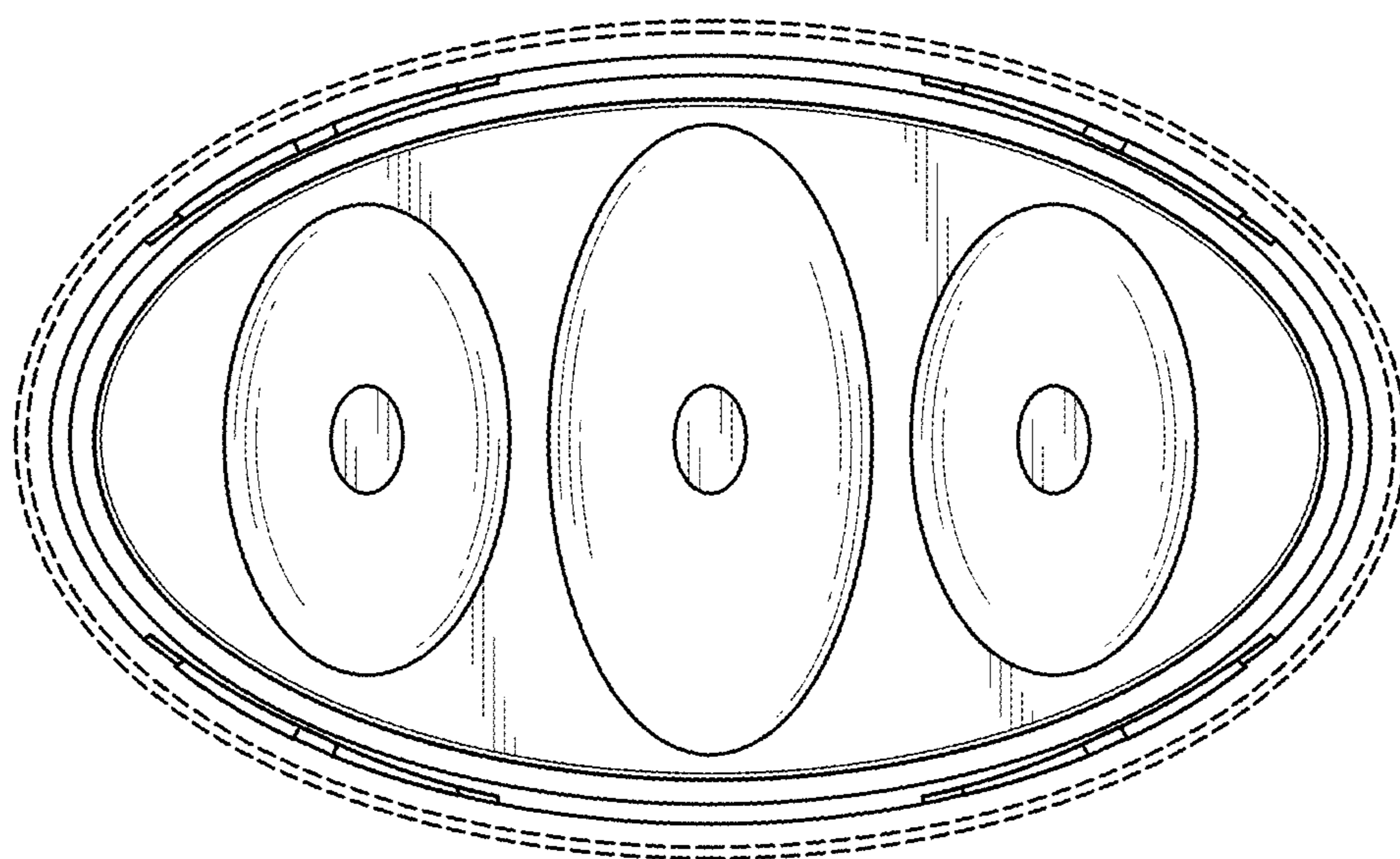


FIG. 31

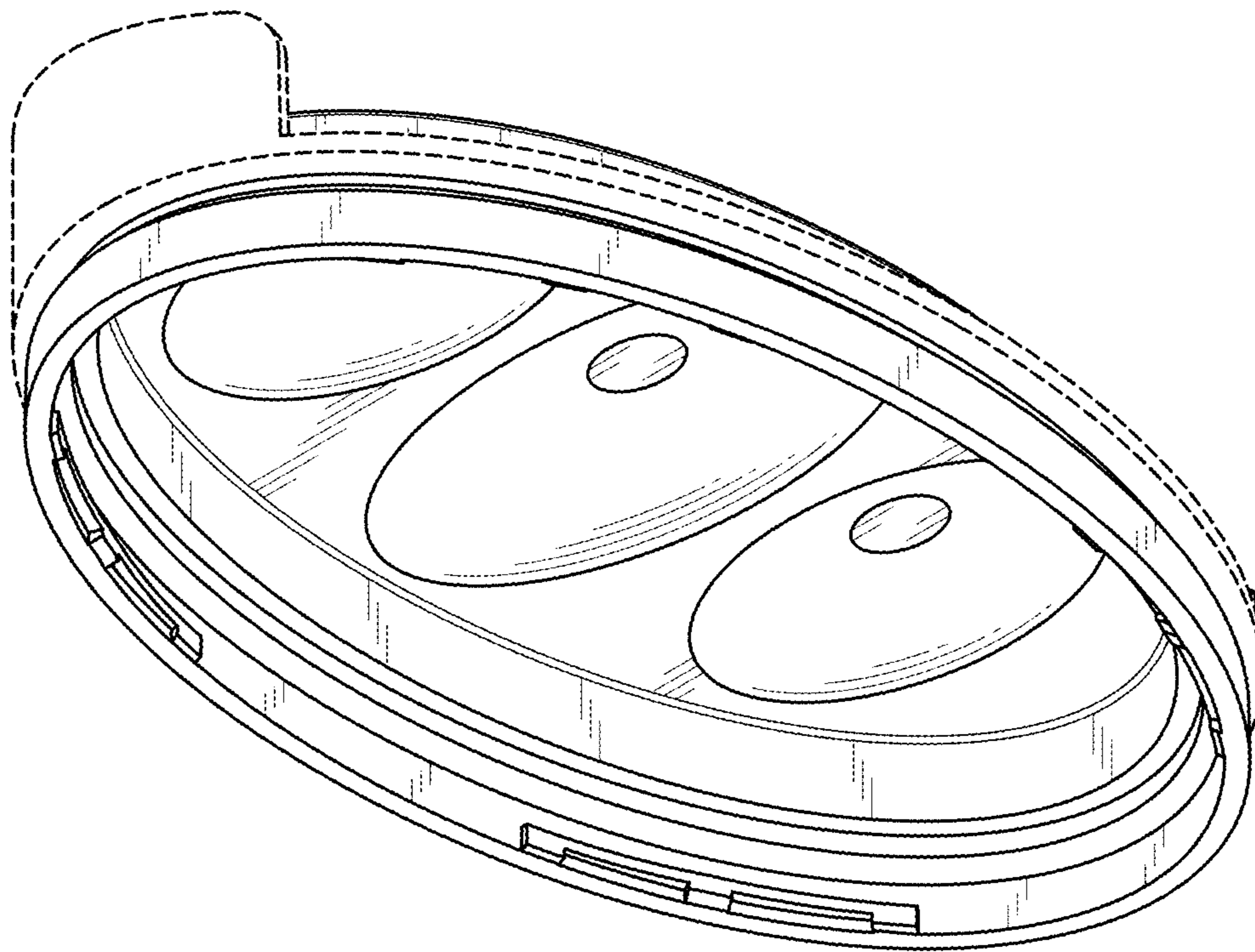


FIG. 32