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(10)

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(45)

Date of Patent:

** Jan. 30, 2024

(54) MAGNETIC STIRRER

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(72) Inventor: Roman Dil, Nuremberg (DE)

(73) Assignee: Hans Heidolph GmbH, Kelheim (DE)

(**) Term: 15 Years

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(30) Foreign Application Priority Data

Oct. 25, 2019 (EM) 7 123 633
Oct. 25, 2019 (EM) 7 123 641

(51) LOC (14) Cl. 24-02

(52) U.S. Cl.
USPC D24/220

(58) Field of Classification Search
USPC D24/220, 216, 219, 206, 207, 221, 224,
D24/231, 331, 232, 197; D23/209, 365
(Continued)

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(Continued)

Primary Examiner — Kendra Leslie Hamilton

Assistant Examiner — Elizabeth S Struble

(74) Attorney, Agent, or Firm — Locke Lord LLP; Scott D. Wofsy; Michael J. Pollack

(57) CLAIM

The ornamental design for a magnetic stirrer, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an embodiment of the magnetic stirrer;
FIG. 2 is a front elevational view of the magnetic stirrer of FIG. 1;
FIG. 3 is a rear elevational view of the magnetic stirrer of FIG. 1;
FIG. 4 is a right side elevational view of the magnetic stirrer of FIG. 1;
FIG. 5 is a left side elevational view of the magnetic stirrer of FIG. 1;
FIG. 6 is a top plan view of the magnetic stirrer of FIG. 1;
FIG. 7 is a bottom plan view of the magnetic stirrer of FIG. 1;
FIG. 8 is a perspective view of another embodiment of the magnetic stirrer;
FIG. 9 is a front elevational view of the magnetic stirrer of FIG. 8;
FIG. 10 is a rear elevational view of the magnetic stirrer of FIG. 8;
FIG. 11 is a right side elevational view of the magnetic stirrer of FIG. 8;
FIG. 12 is a left side elevational view of the magnetic stirrer of FIG. 8;

(Continued)

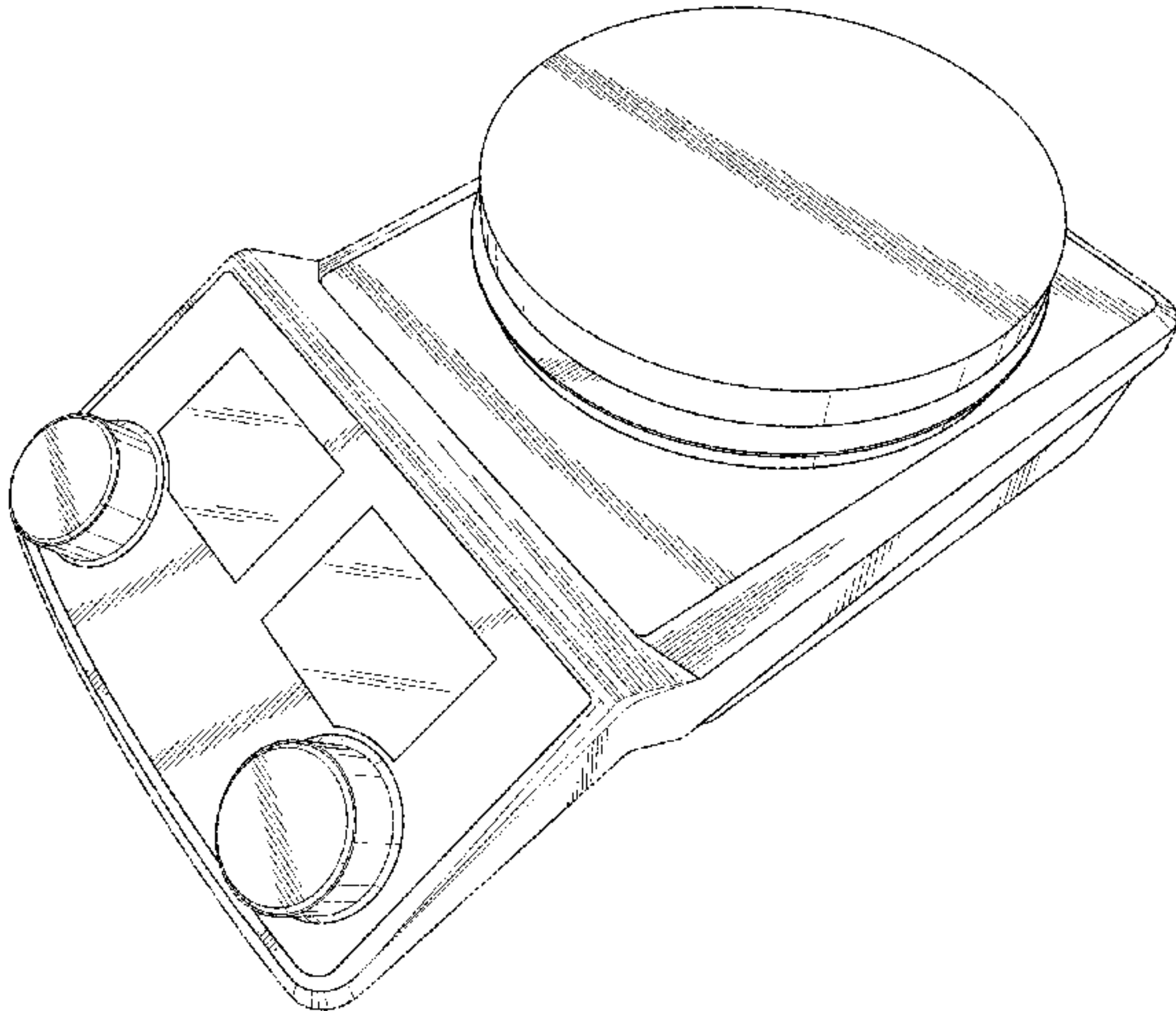


FIG. 13 is a top plan view of the magnetic stirrer of FIG. 8;
FIG. 14 is a bottom plan view of the magnetic stirrer of FIG. 8;

FIG. 15 is a perspective view of another embodiment of the magnetic stirrer;

FIG. 16 is a front elevational view of the magnetic stirrer of FIG. 15;

FIG. 17 is a rear elevational view of the magnetic stirrer of FIG. 15;

FIG. 18 is a right side elevational view of the magnetic stirrer of FIG. 15;

FIG. 19 is a left side elevational view of the magnetic stirrer of FIG. 15;

FIG. 20 is a top plan view of the magnetic stirrer of FIG. 15;

FIG. 21 is a bottom plan view of the magnetic stirrer of FIG. 15;

FIG. 22 is a perspective view of another embodiment of the magnetic stirrer;

FIG. 23 is a front elevational view of the magnetic stirrer of FIG. 22;

FIG. 24 is a rear elevational view of the magnetic stirrer of FIG. 22;

FIG. 25 is a right side elevational view of the magnetic stirrer of FIG. 22;

FIG. 26 is a left side elevational view of the magnetic stirrer of FIG. 22;

FIG. 27 is a top plan view of the magnetic stirrer of FIG. 22;
and,

FIG. 28 is a bottom plan view of the magnetic stirrer of FIG. 22.

Surface shading or stippling is included to show the character and contour of the surfaces of the three dimensional aspects of the design. The equal-length broken lines depict portions of the magnetic stirrer that form no part of the claimed design. The dash-dot-dash broken lines define

boundaries of the claim. All broken lines form no part of the claimed design.

1 Claim, 28 Drawing Sheets

(58) Field of Classification Search

CPC B01F 33/45; B01F 33/452; B01F 33/453;
B01F 35/92; B01F 2101/23; B01L 7/00;
B04B 13/003; G06F 8/34

See application file for complete search history.

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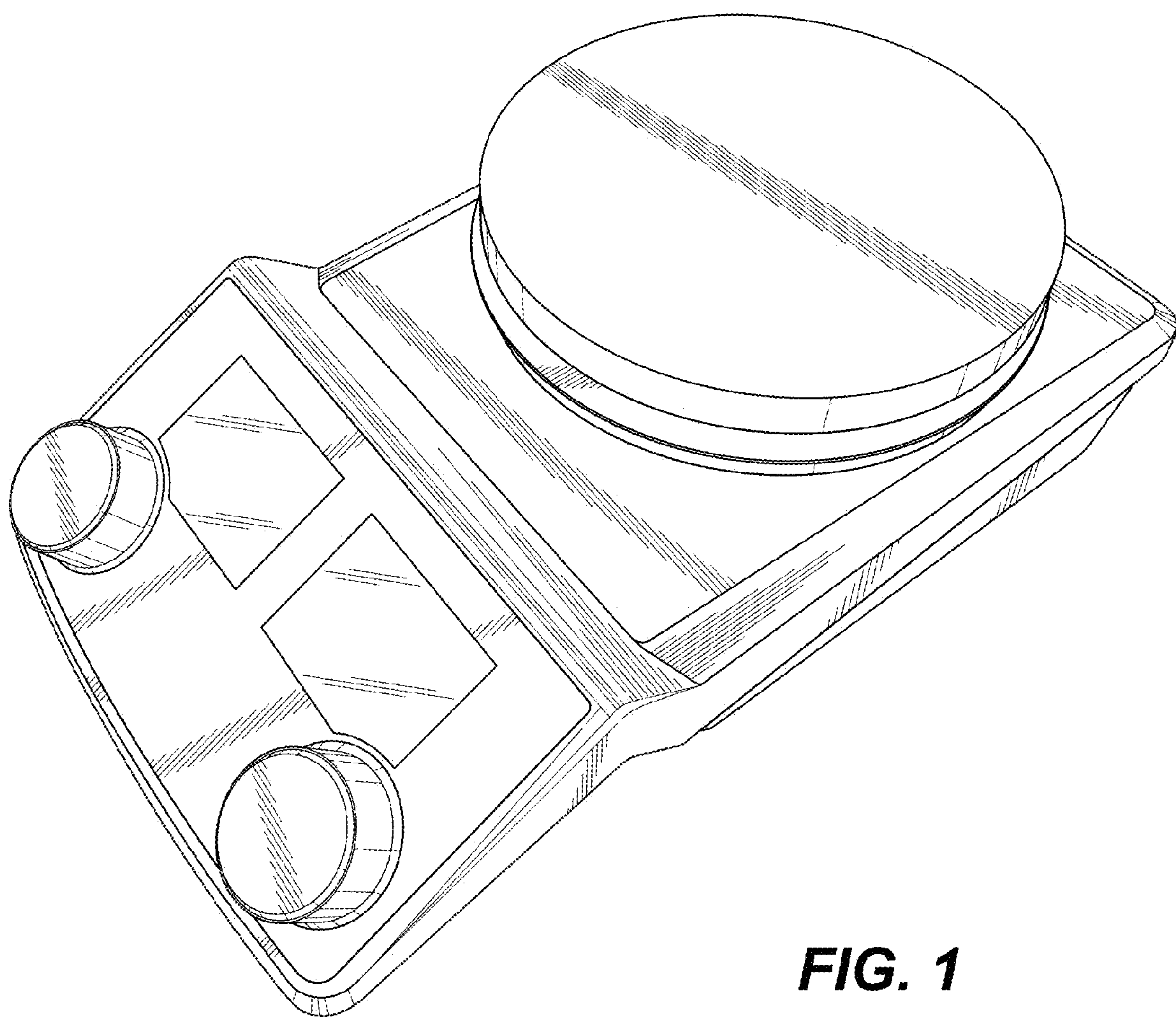


FIG. 1

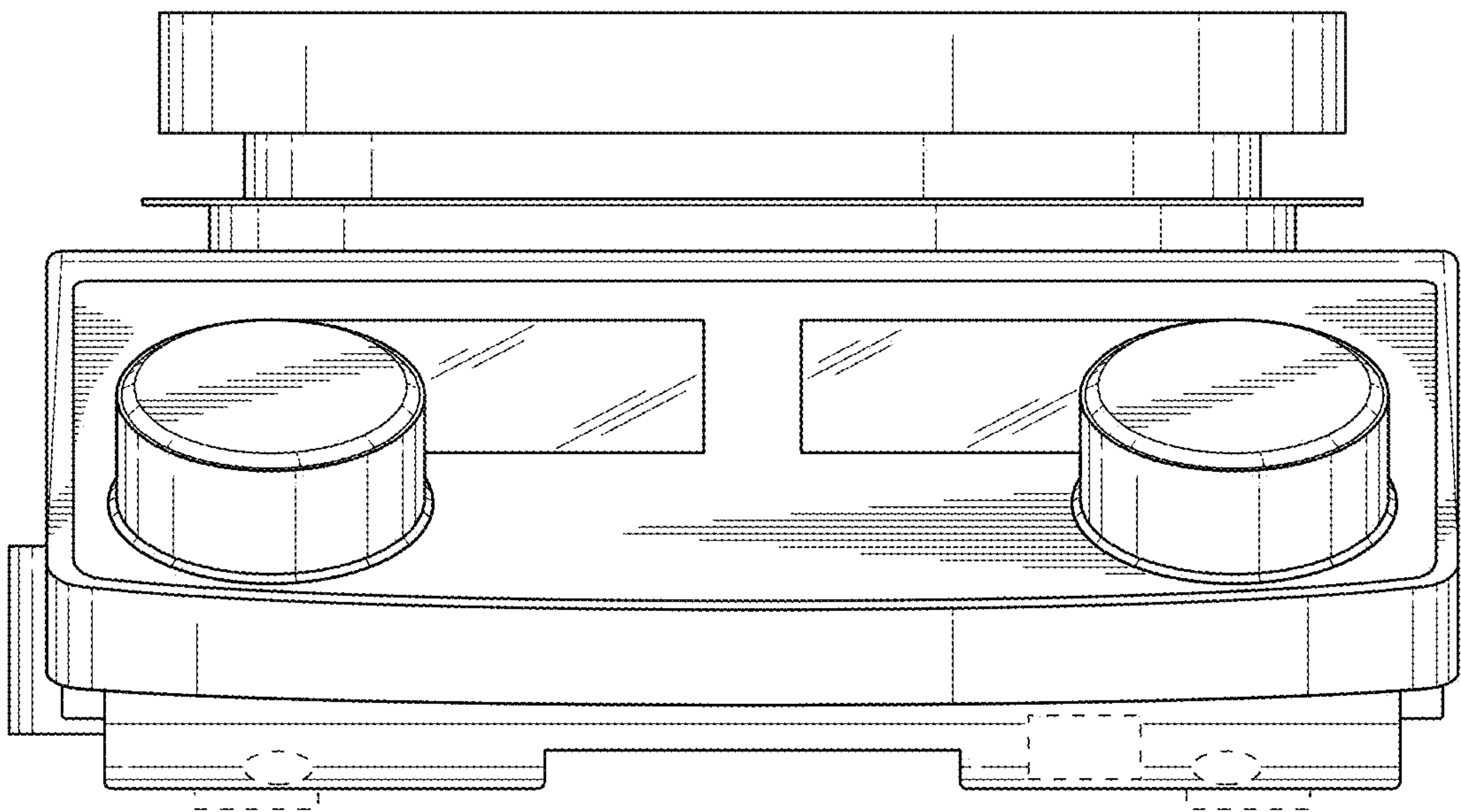


FIG. 2

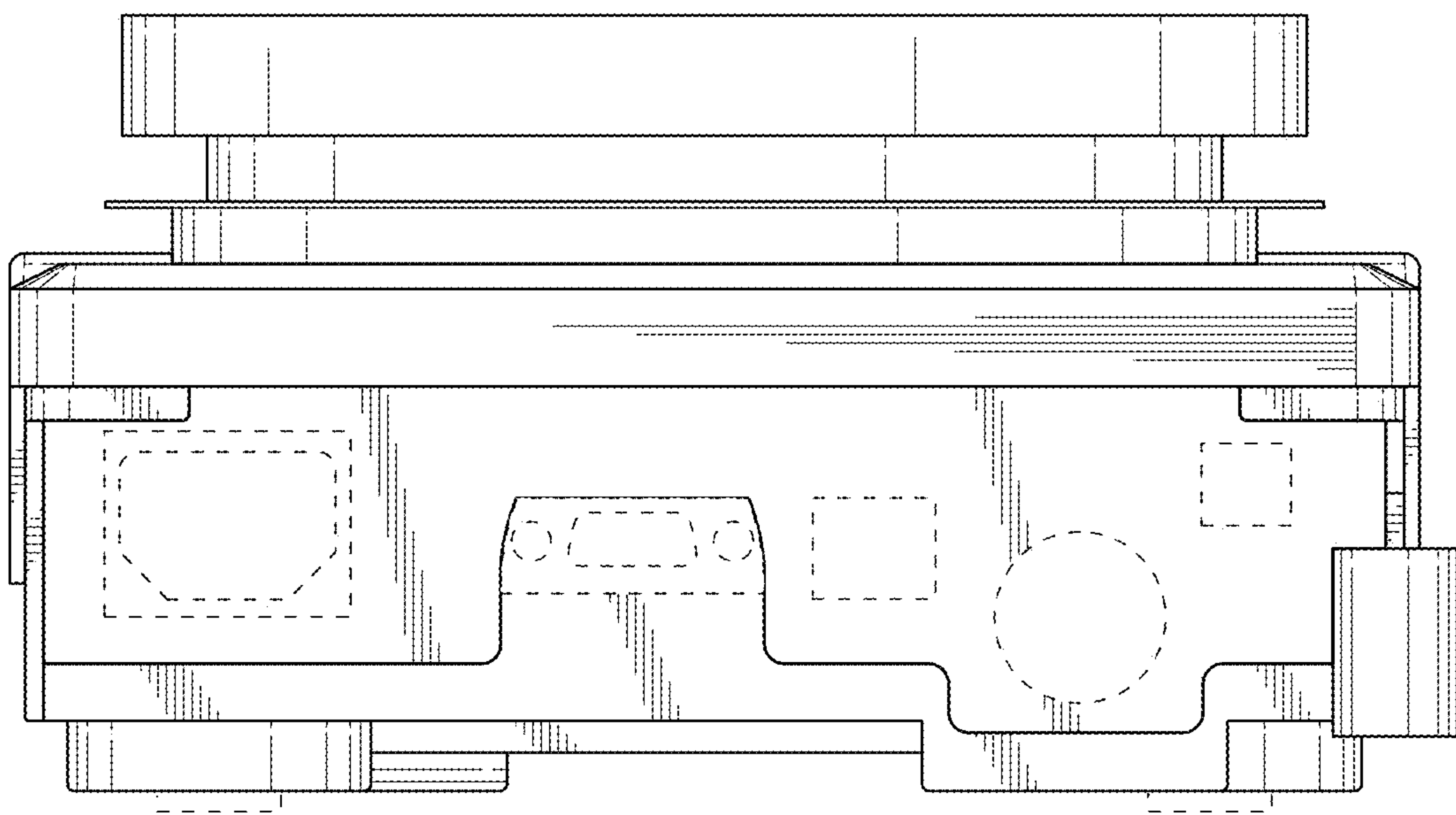


FIG. 3

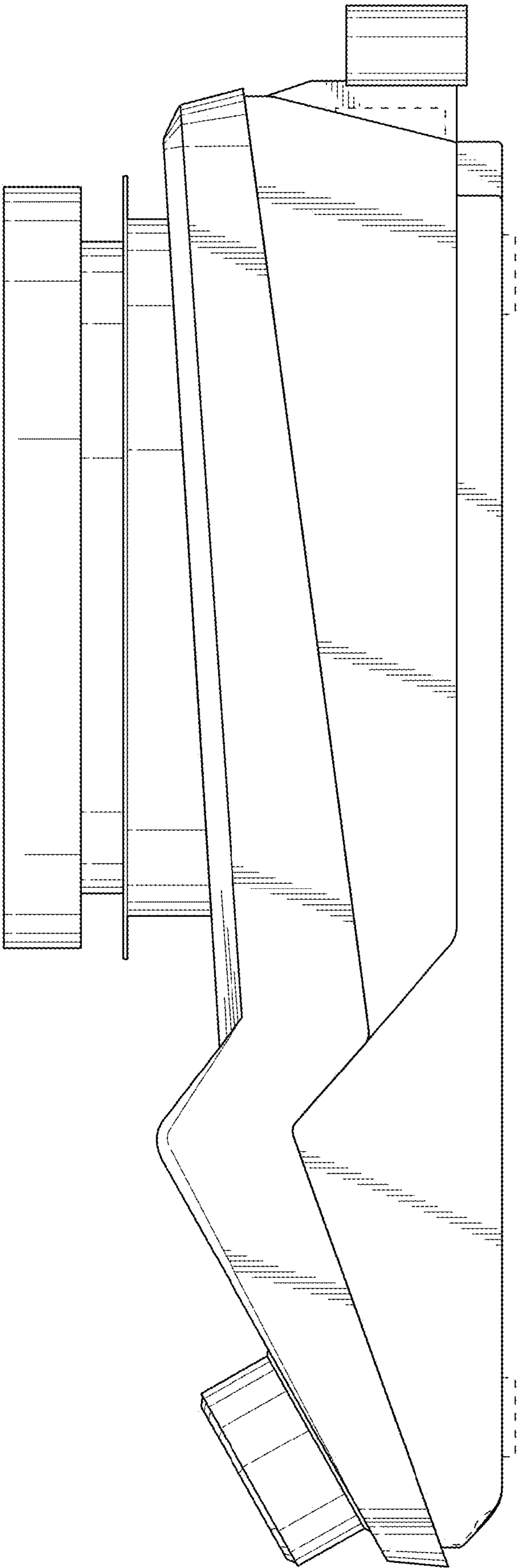


FIG. 4

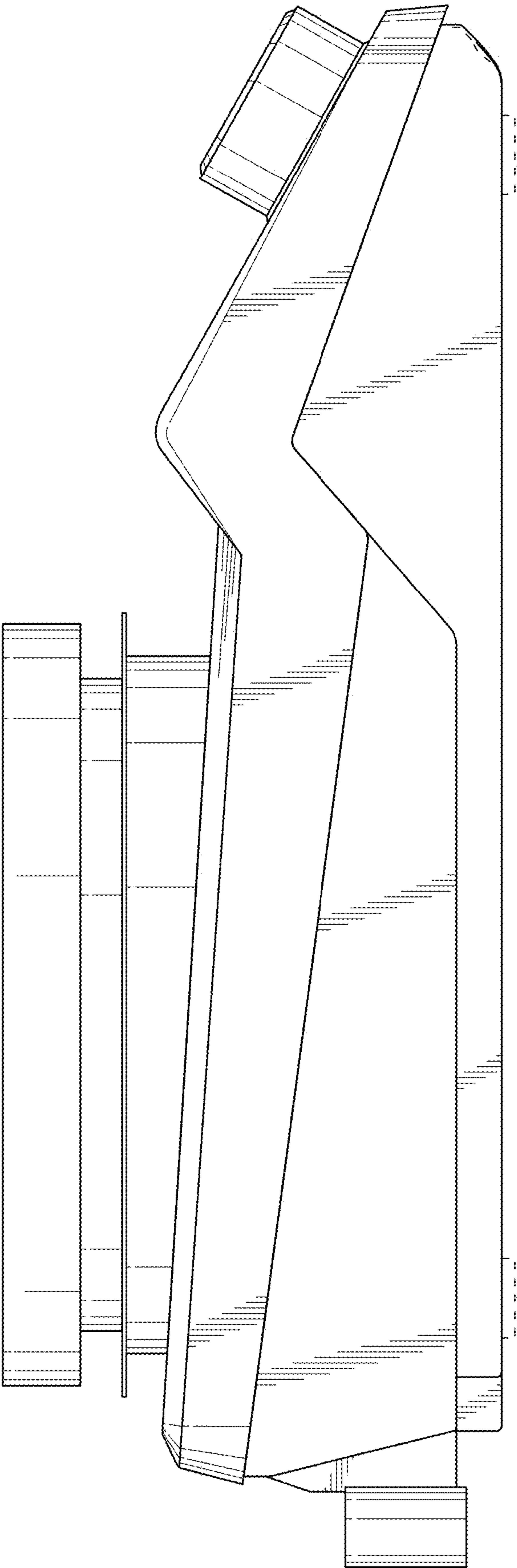


FIG. 5

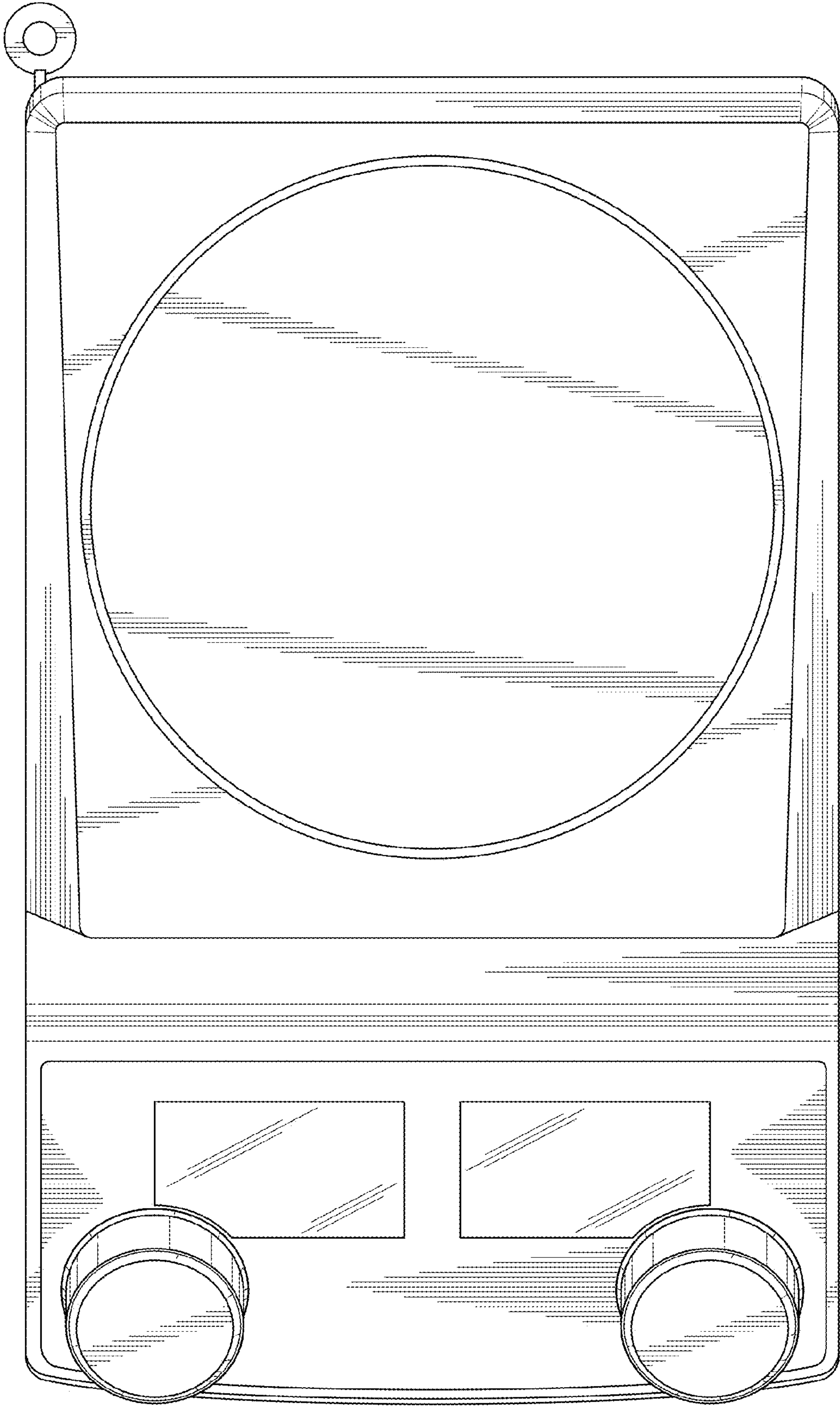
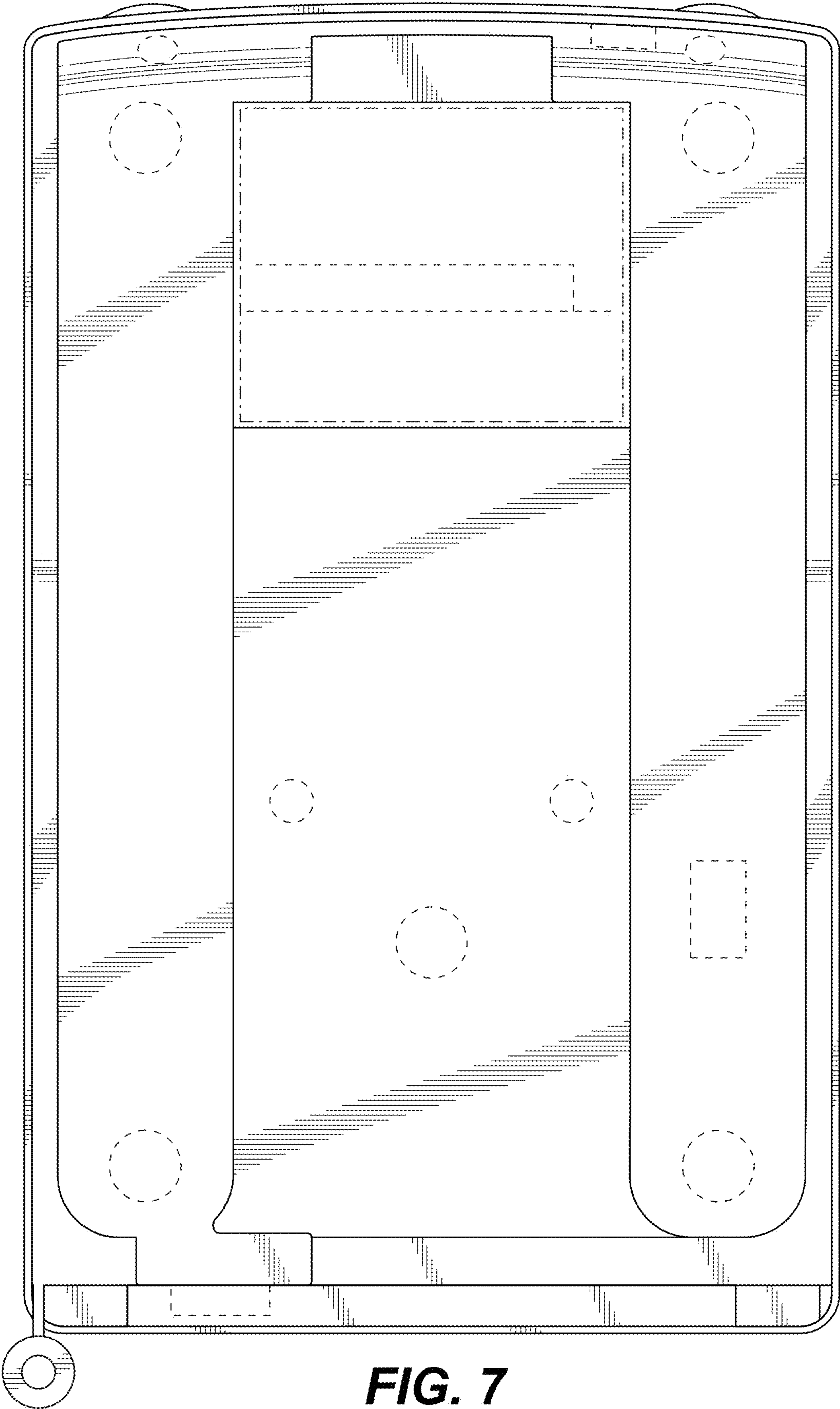


FIG. 6



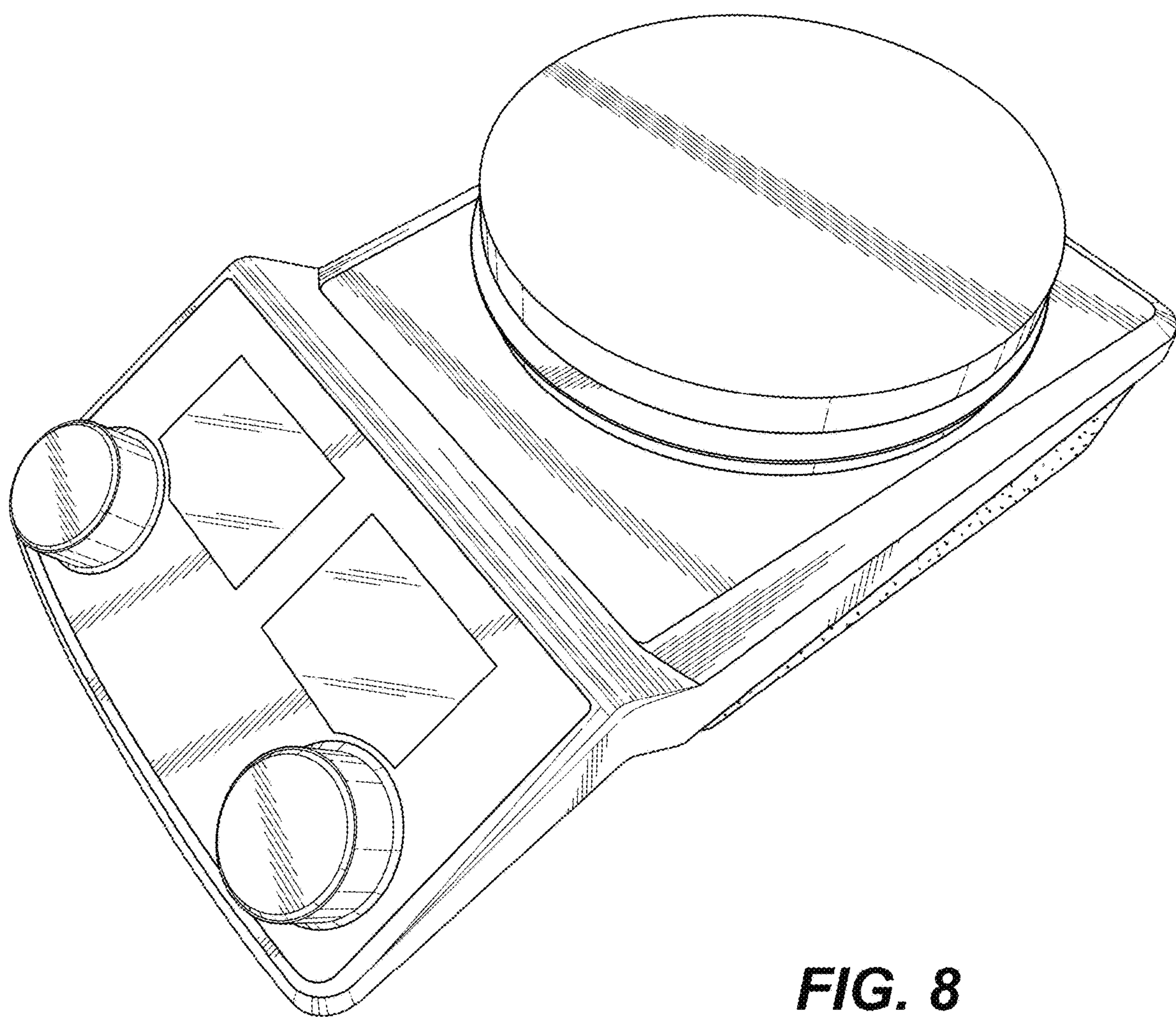


FIG. 8

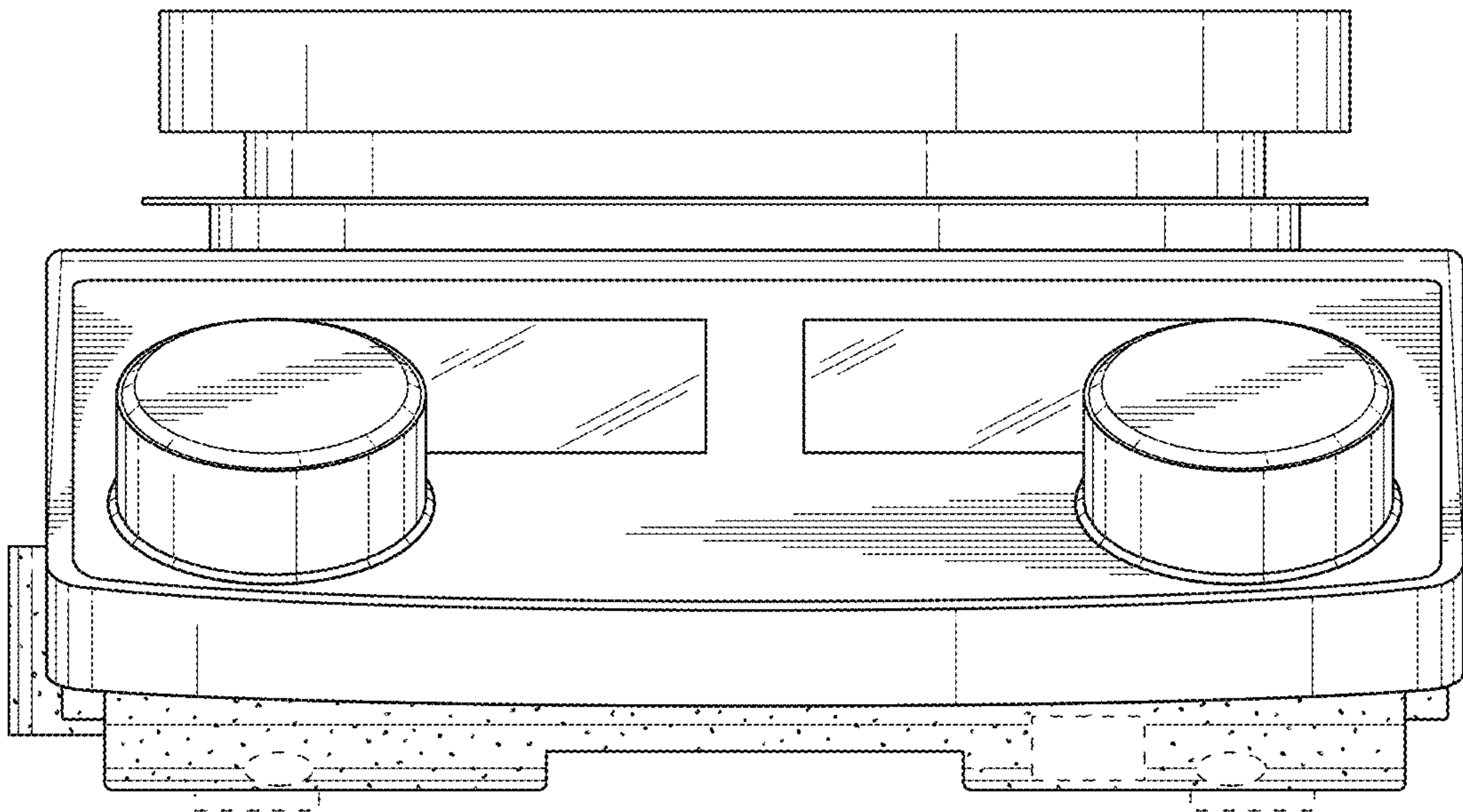


FIG. 9

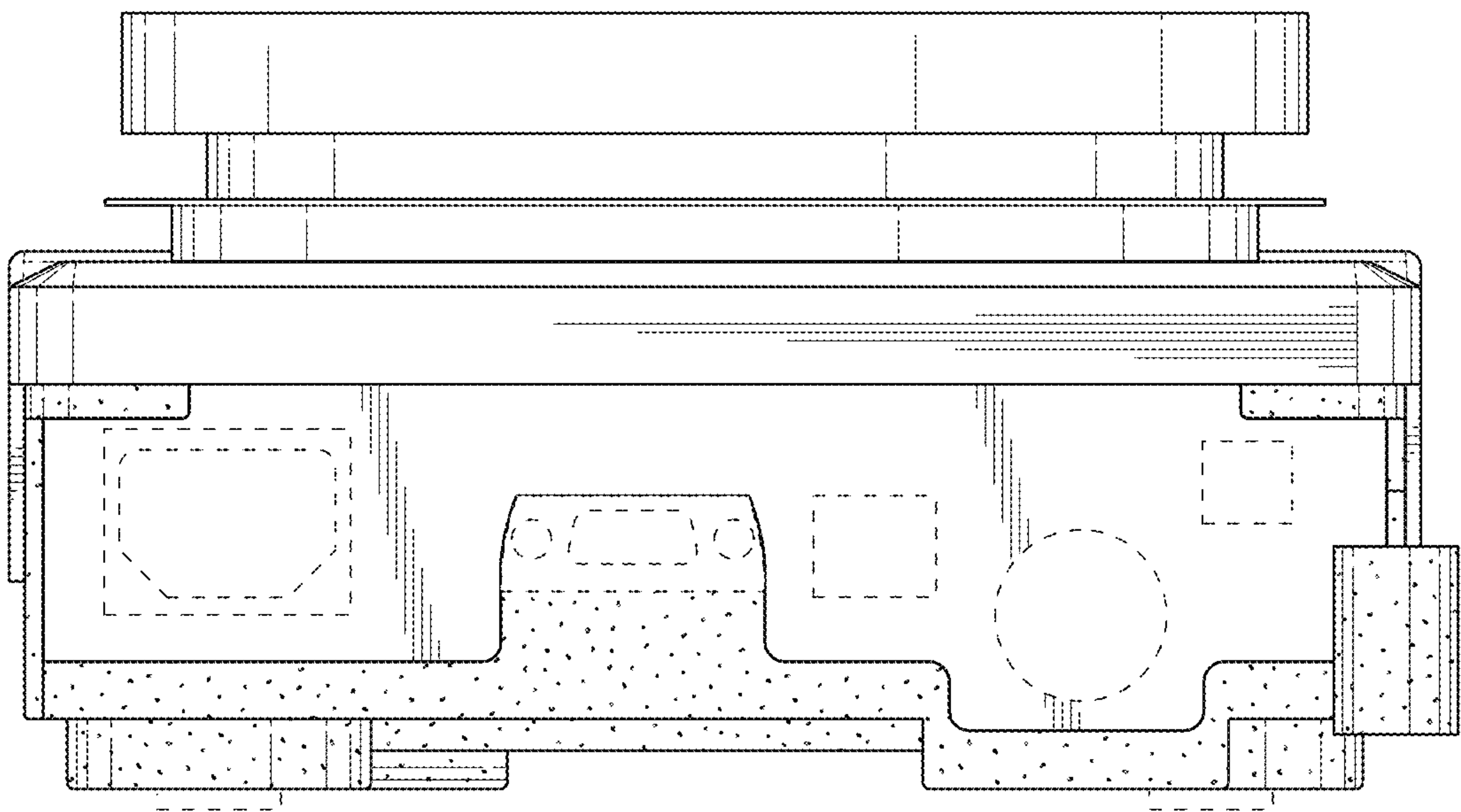


FIG. 10

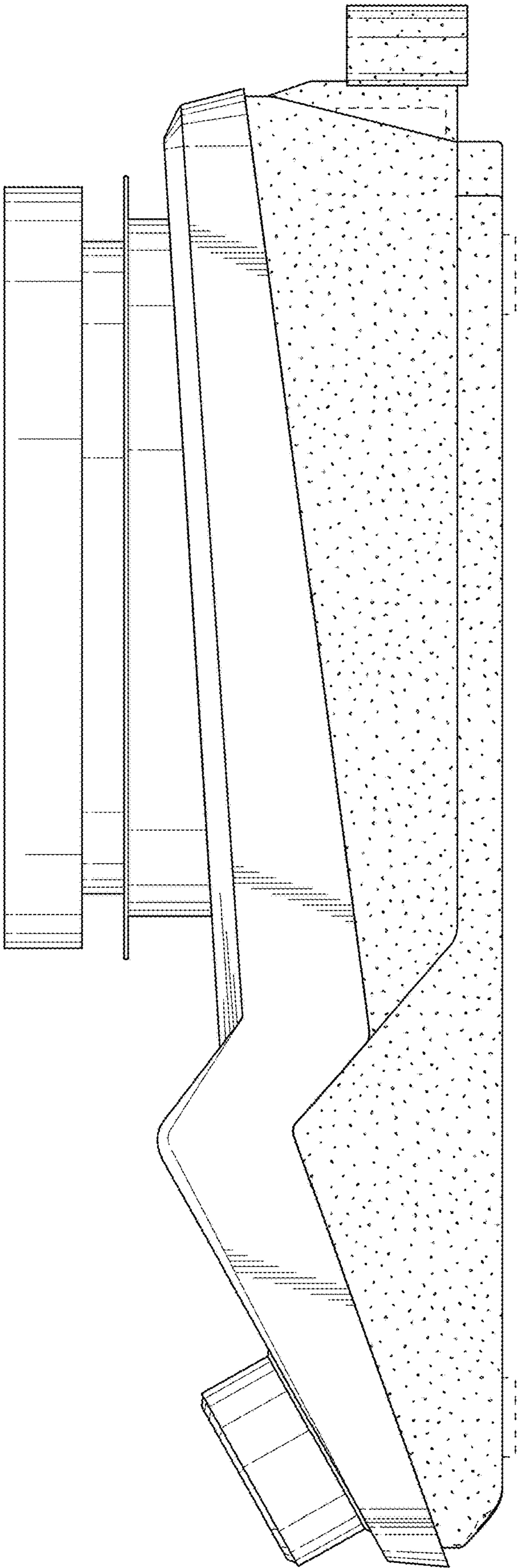


FIG. 11

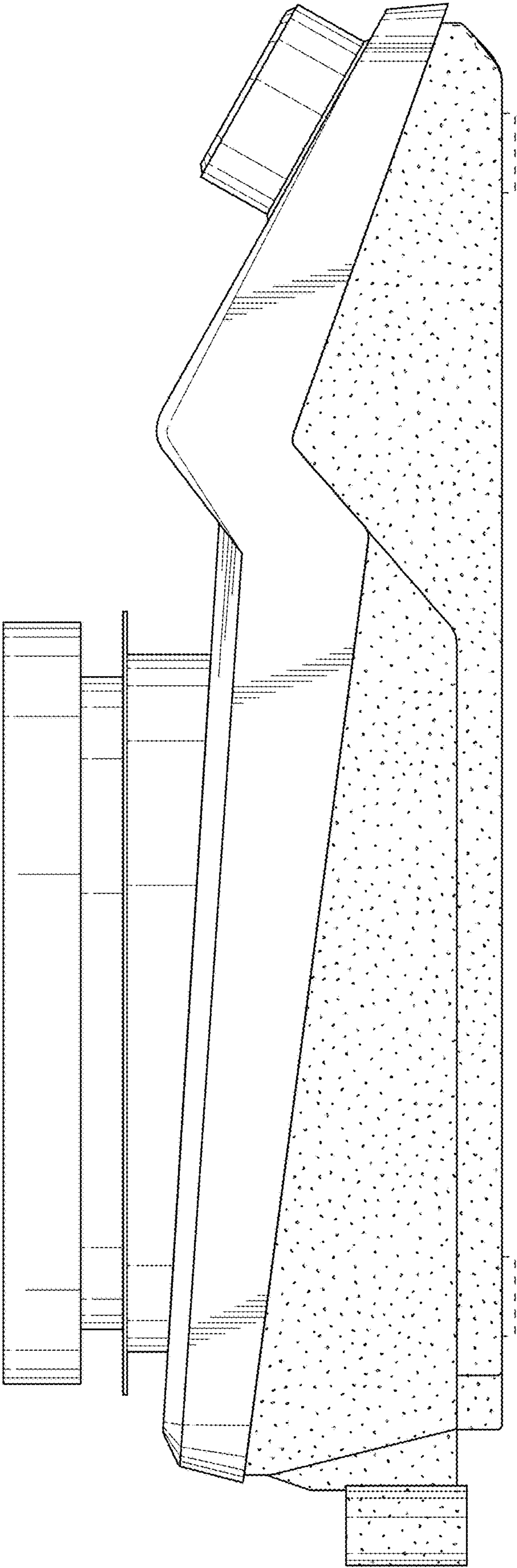


FIG. 12

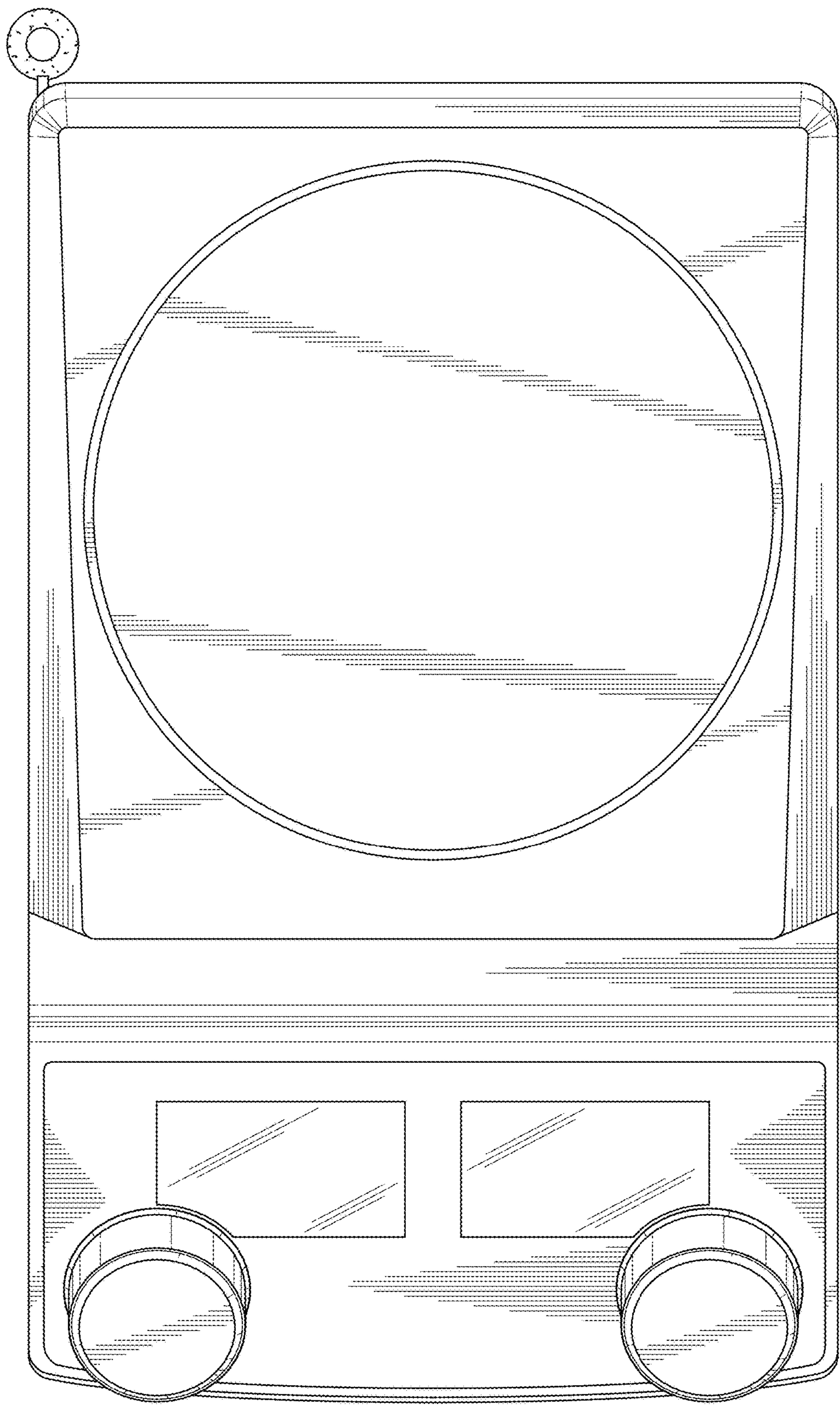


FIG. 13

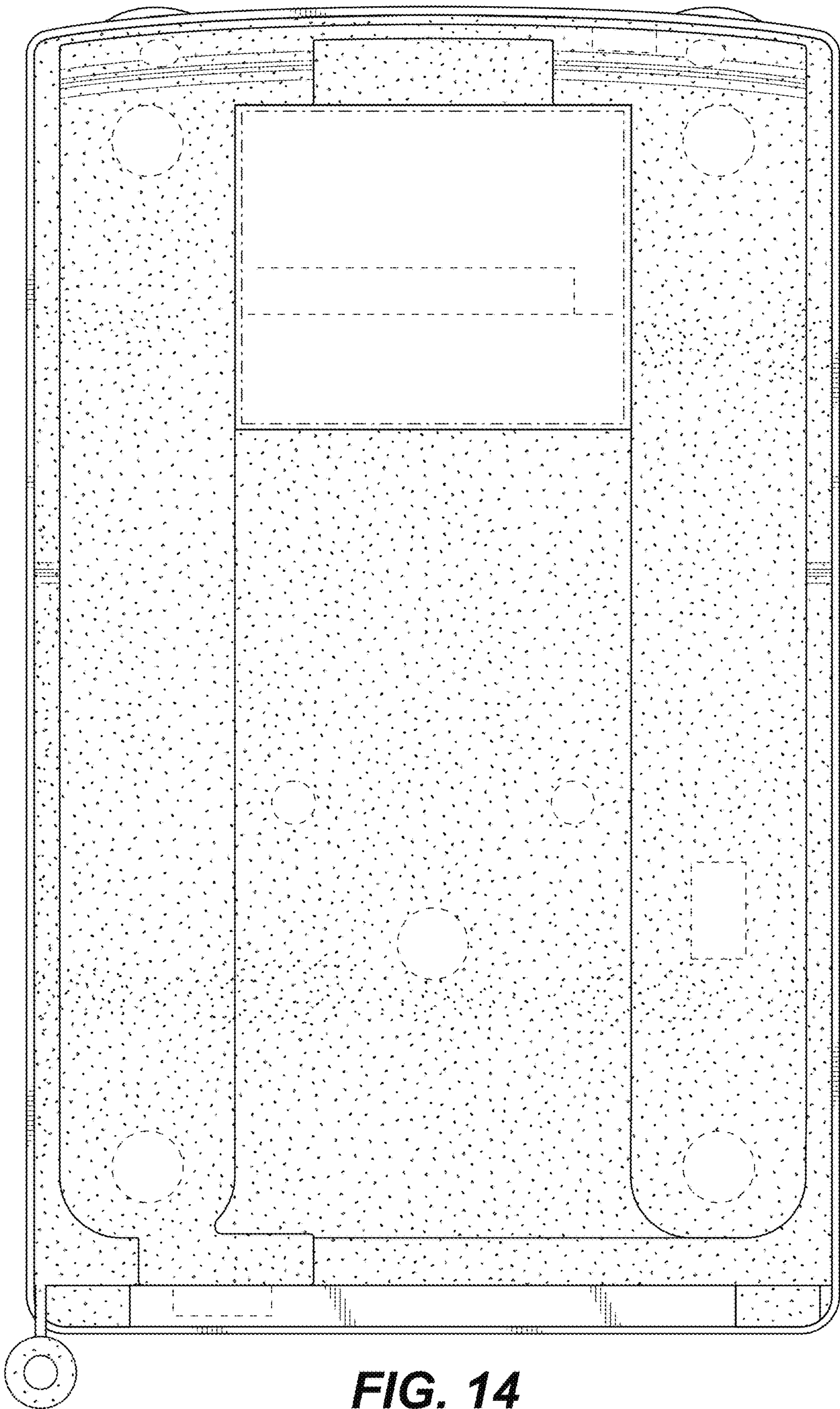


FIG. 14

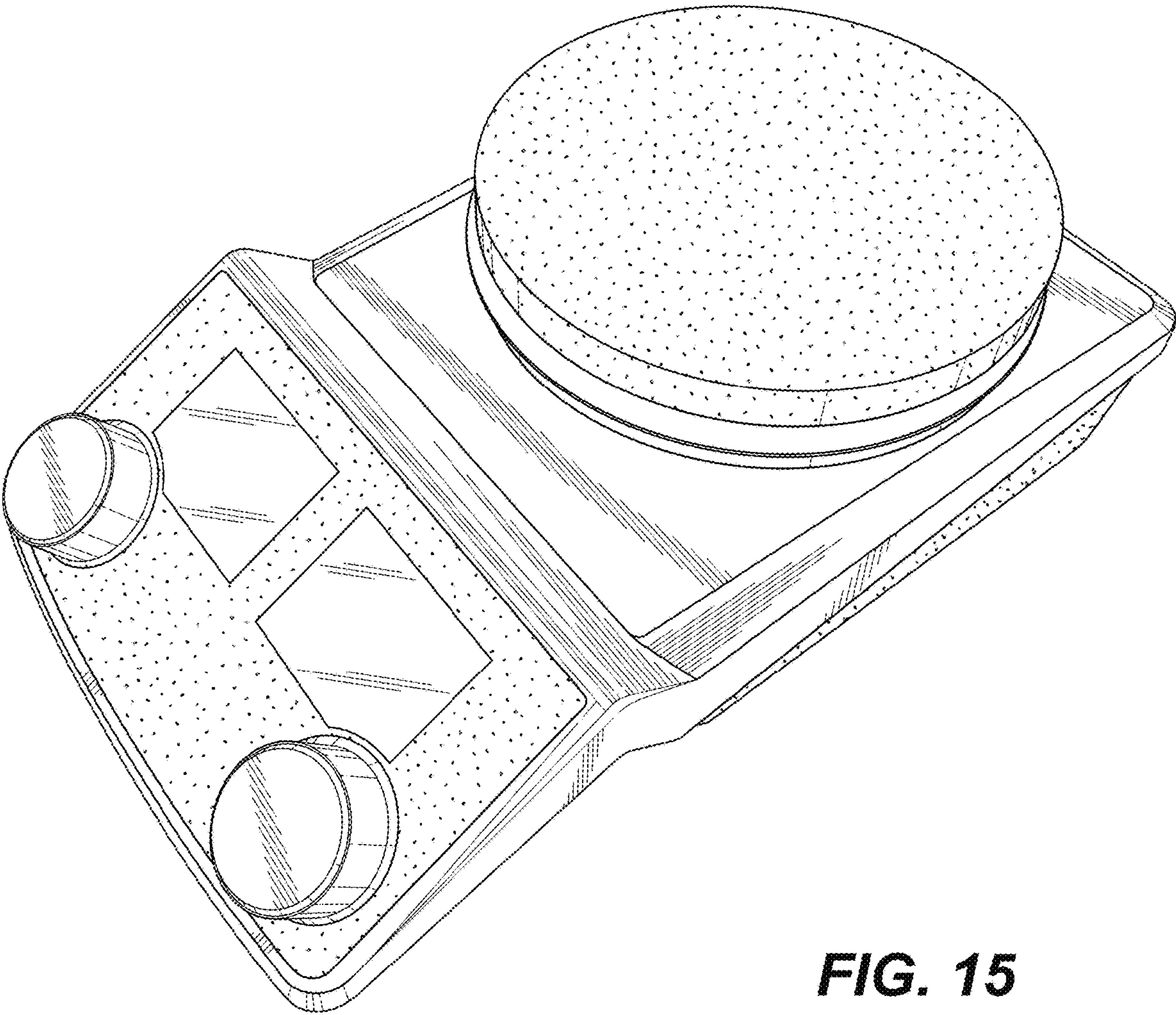


FIG. 15

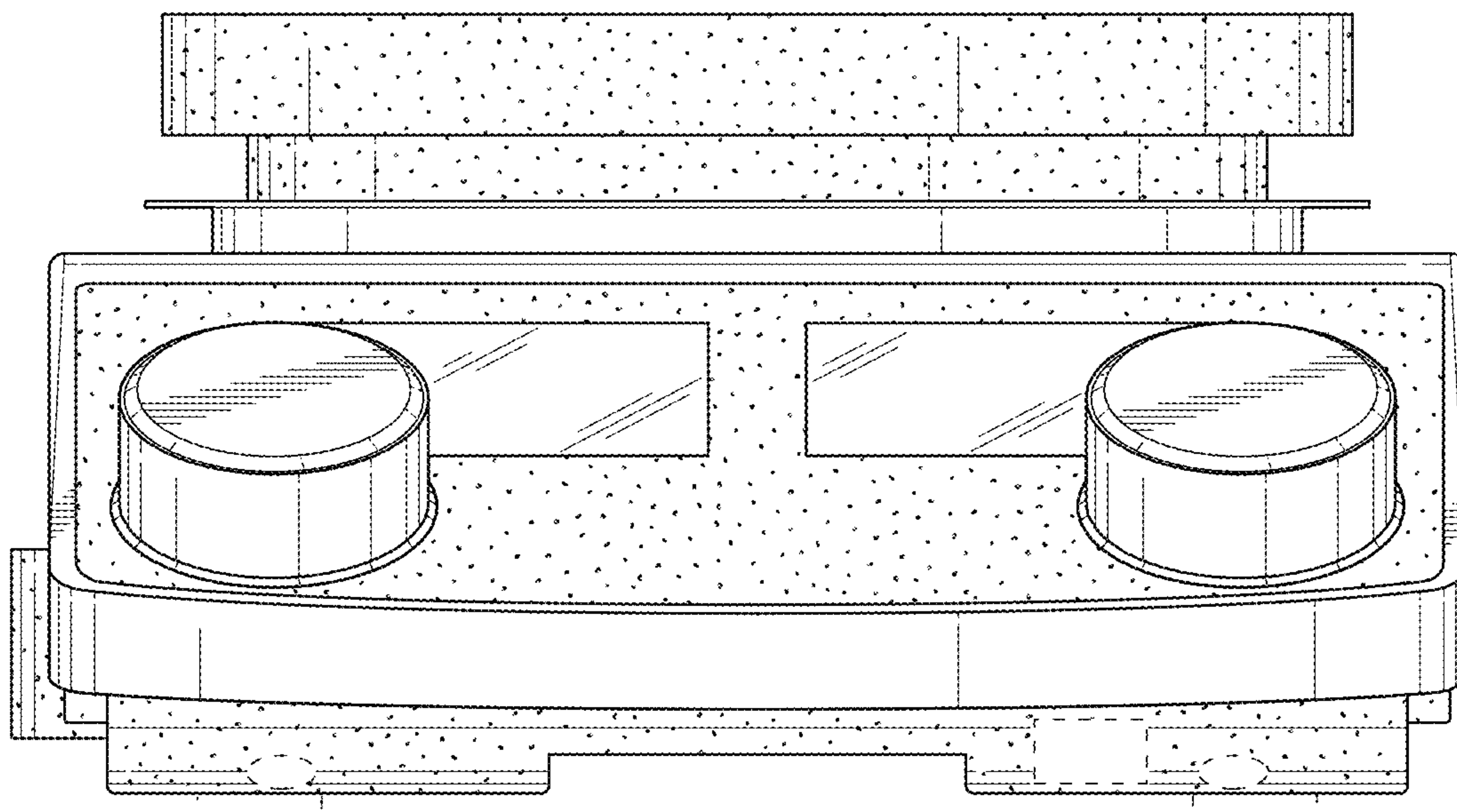


FIG. 16

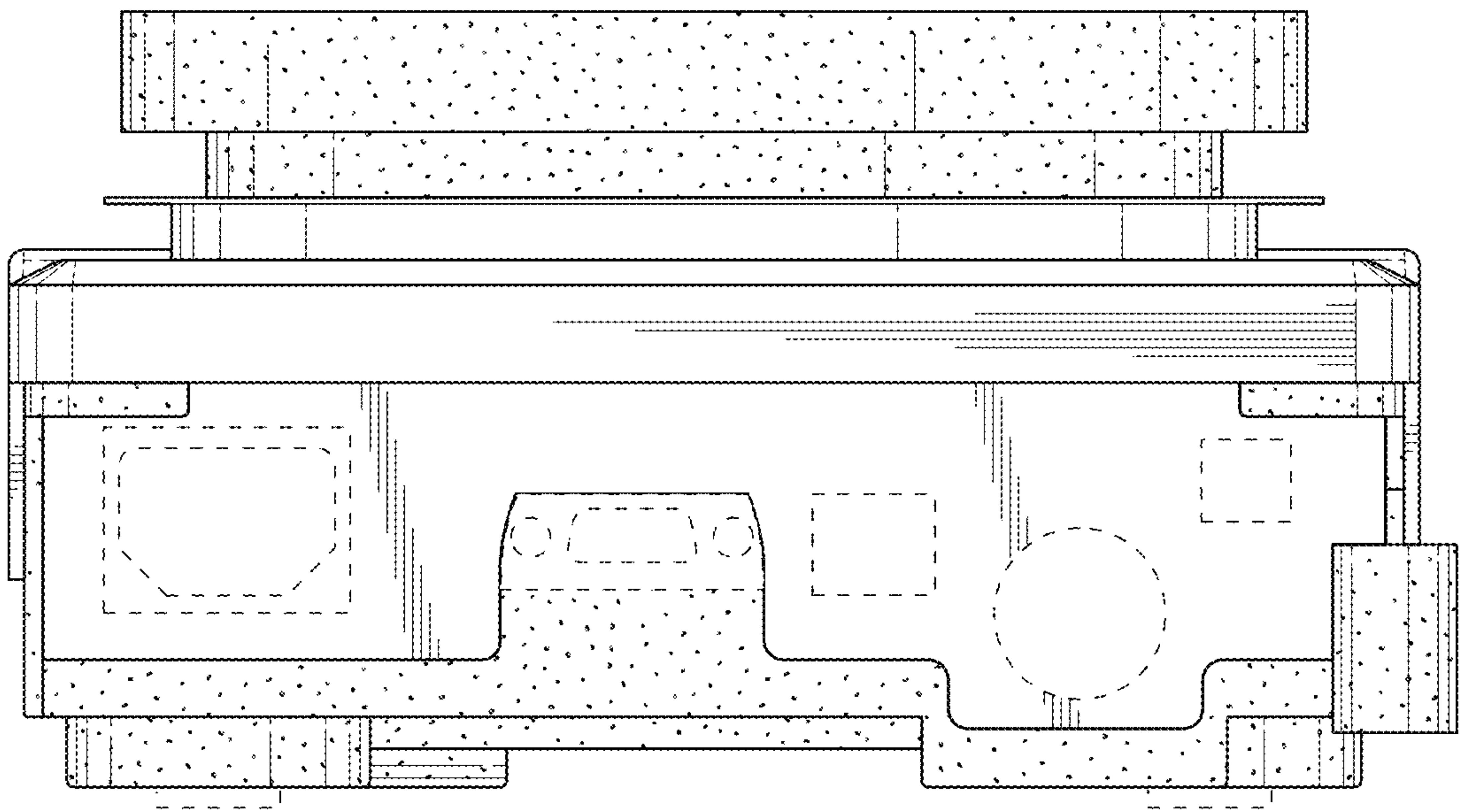


FIG. 17

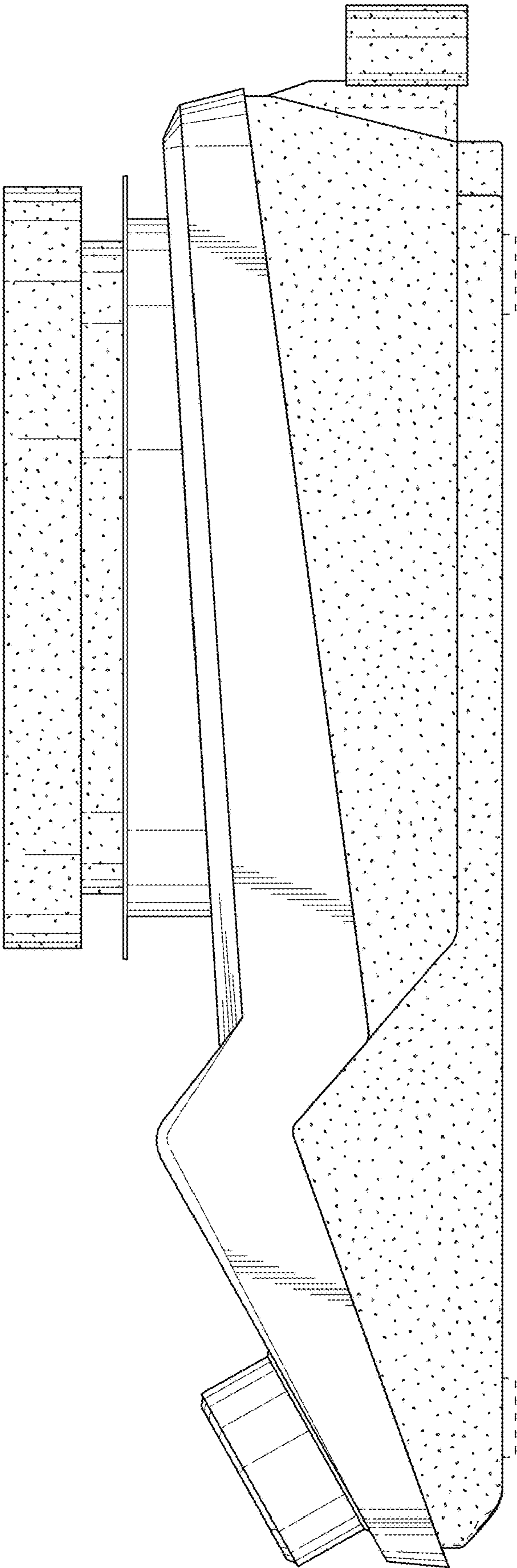


FIG. 18

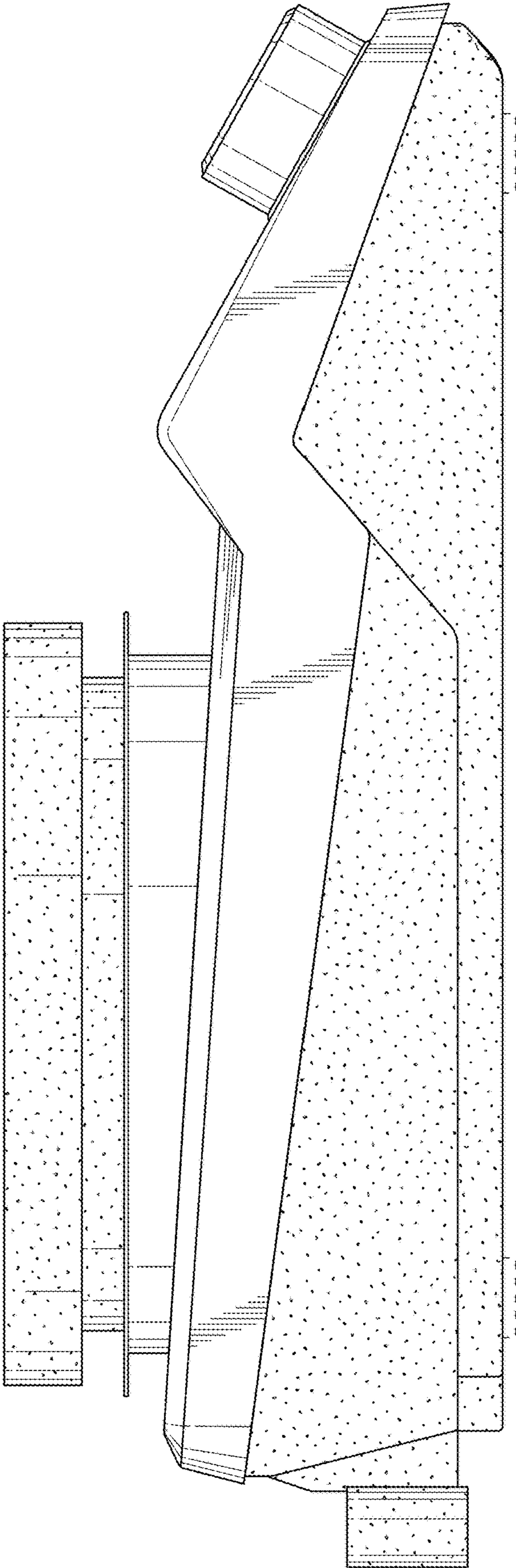


FIG. 19

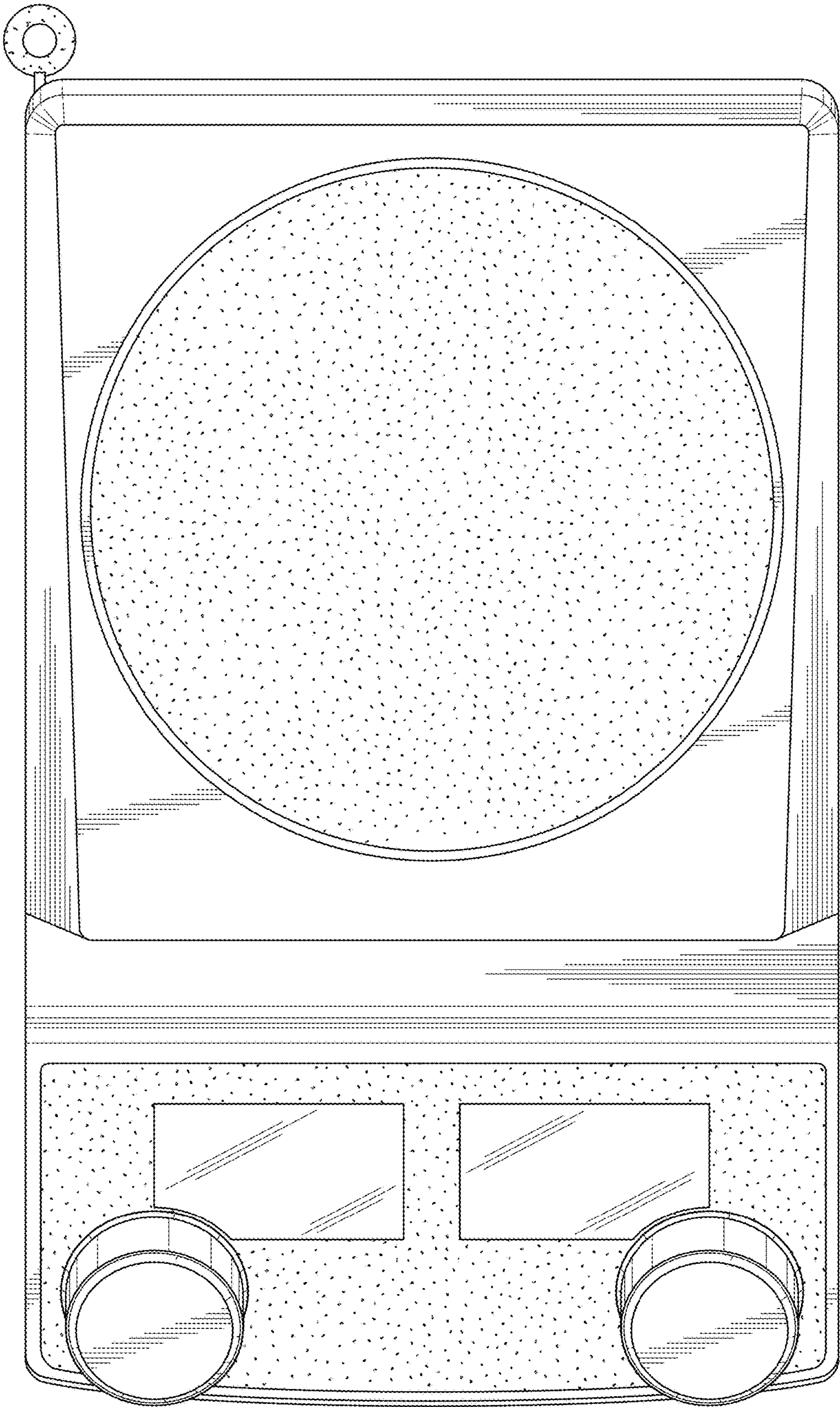
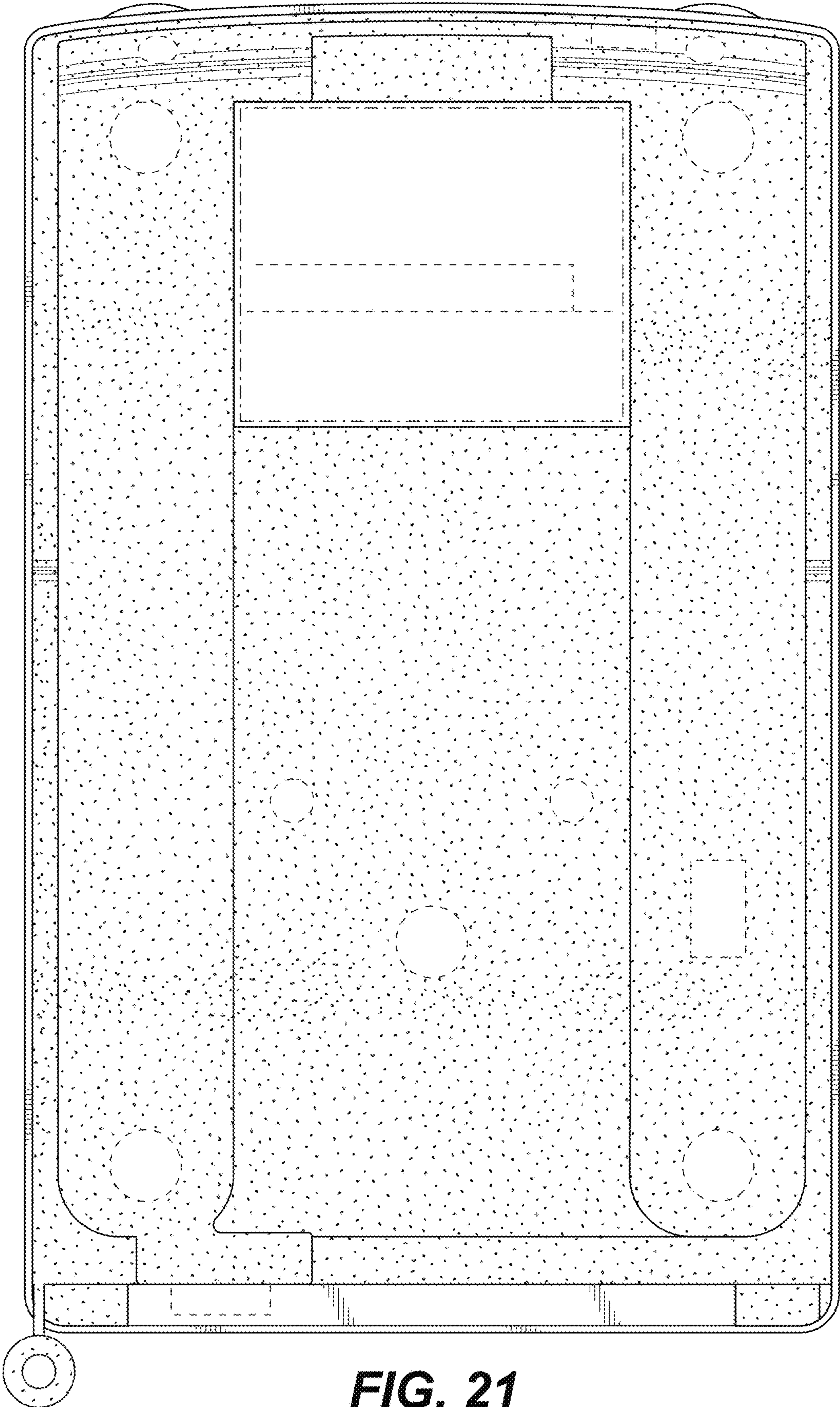


FIG. 20



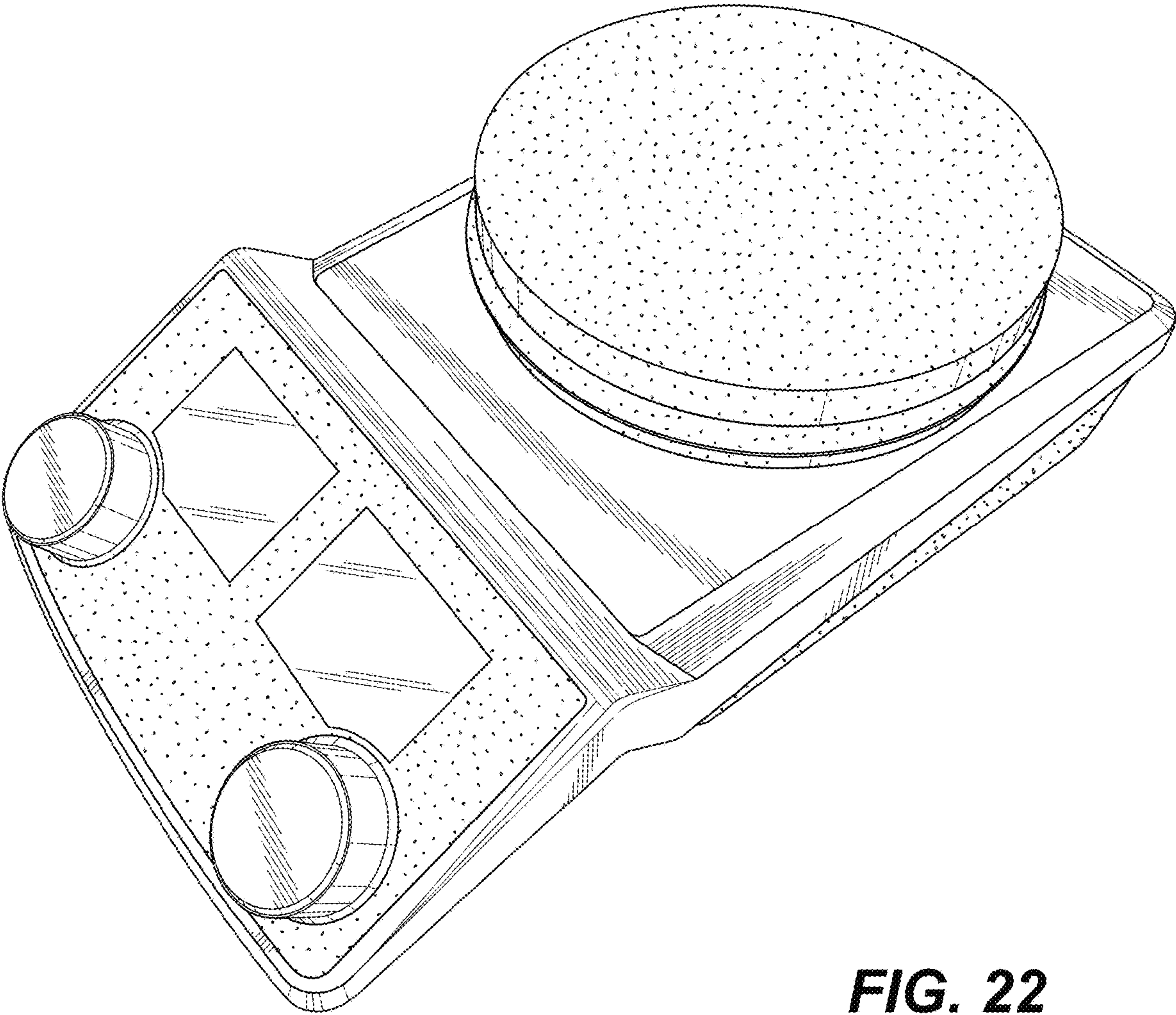


FIG. 22

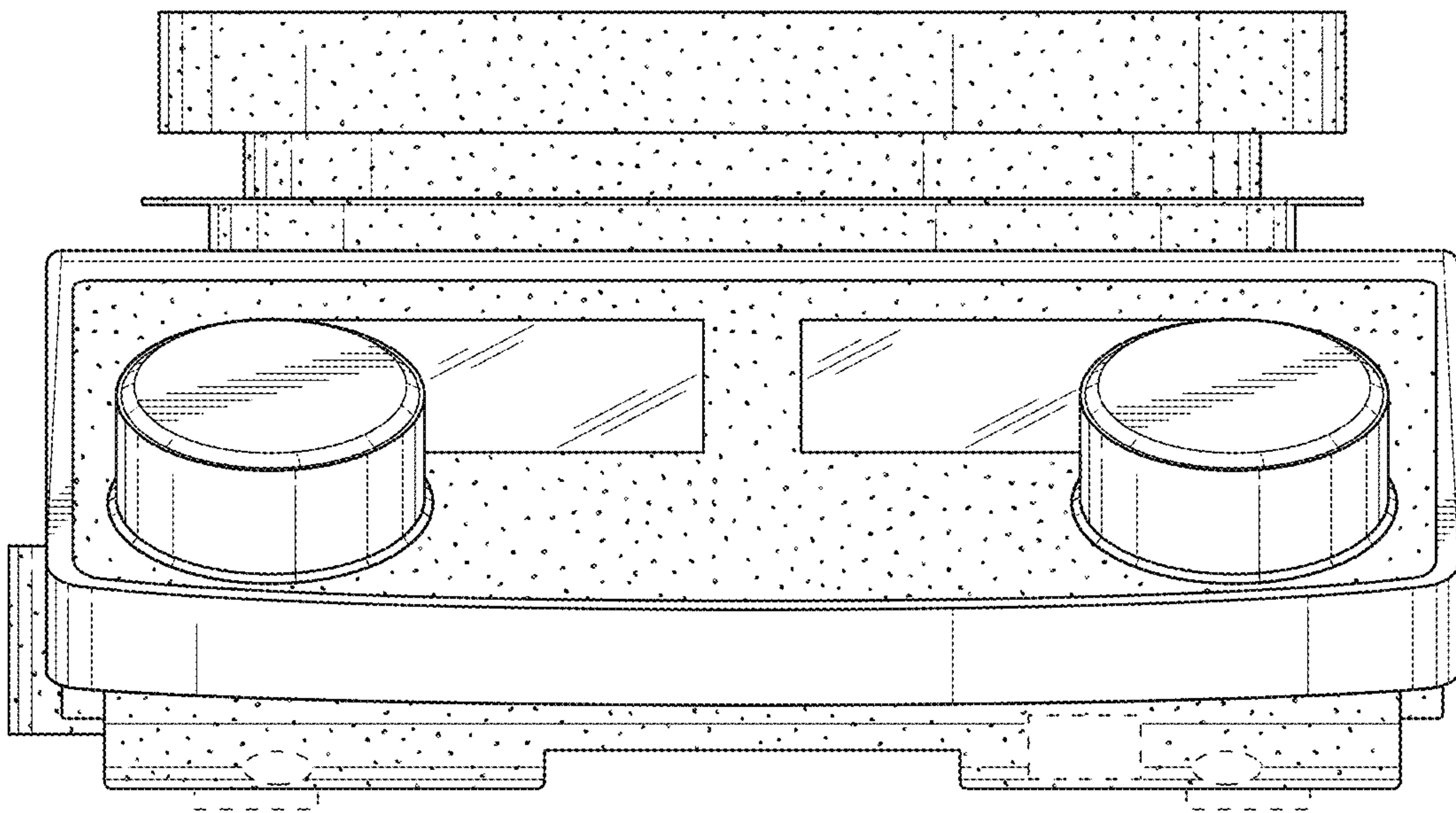


FIG. 23

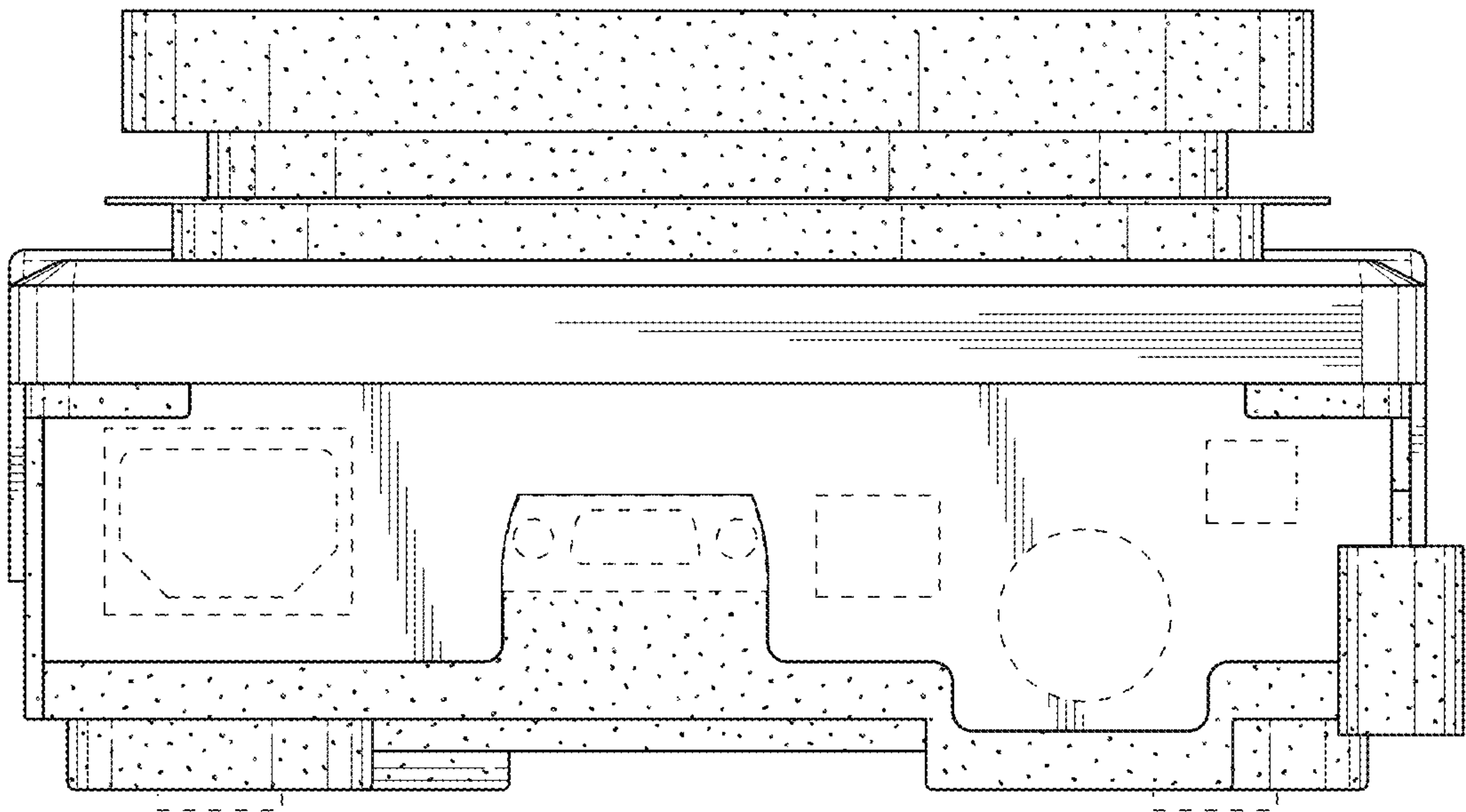


FIG. 24

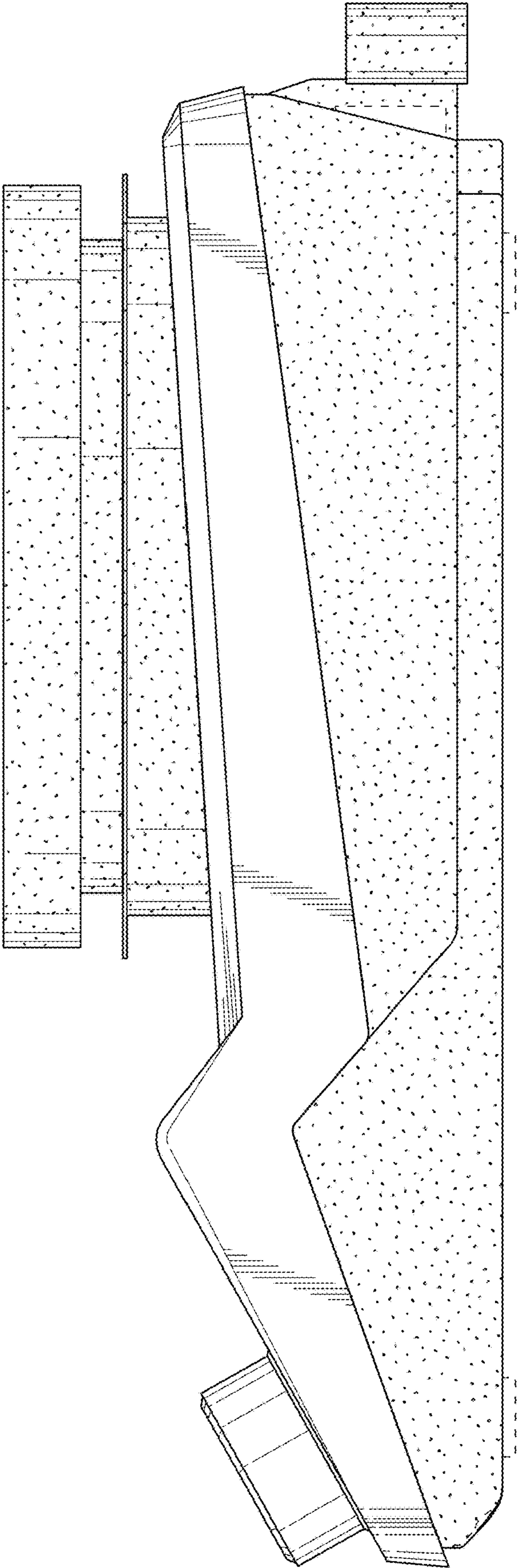


FIG. 25

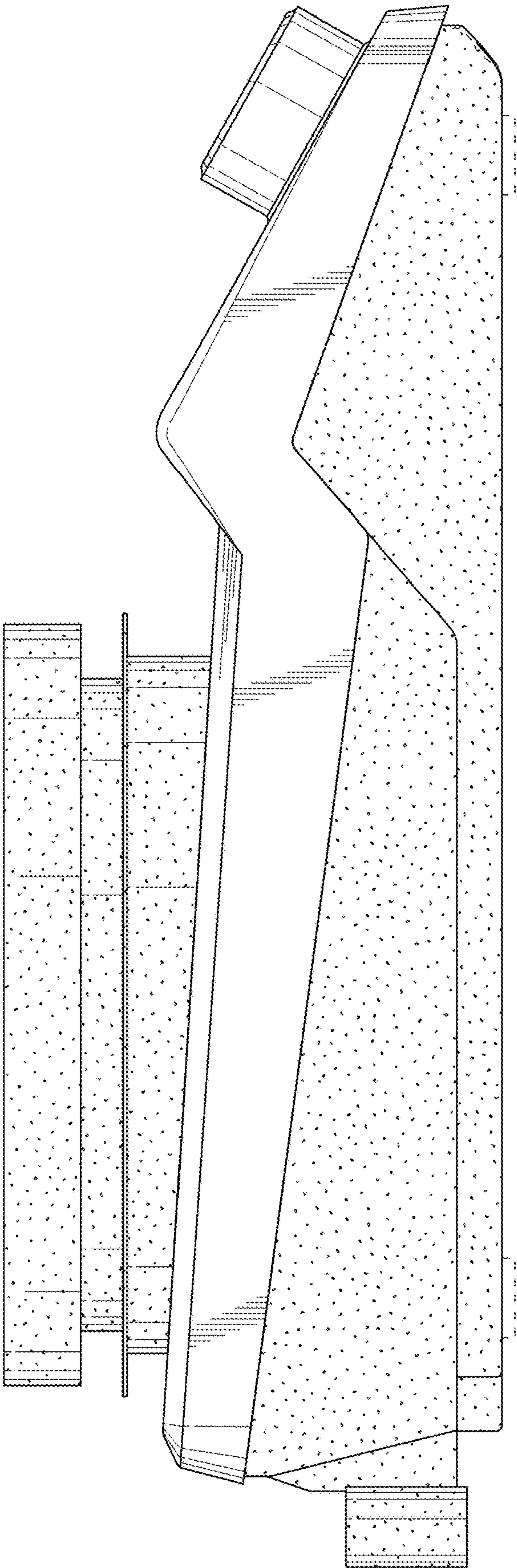


FIG. 26

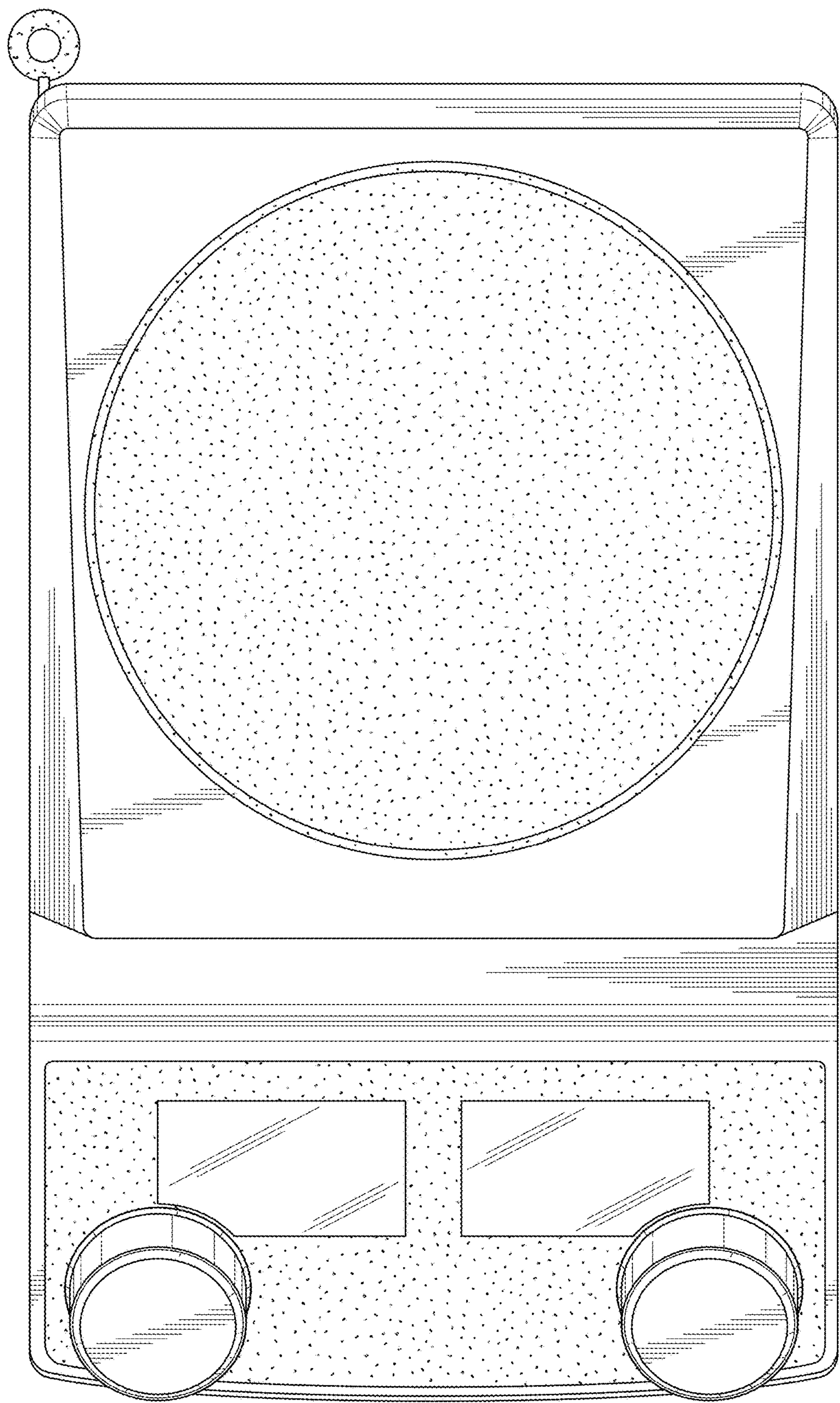


FIG. 27

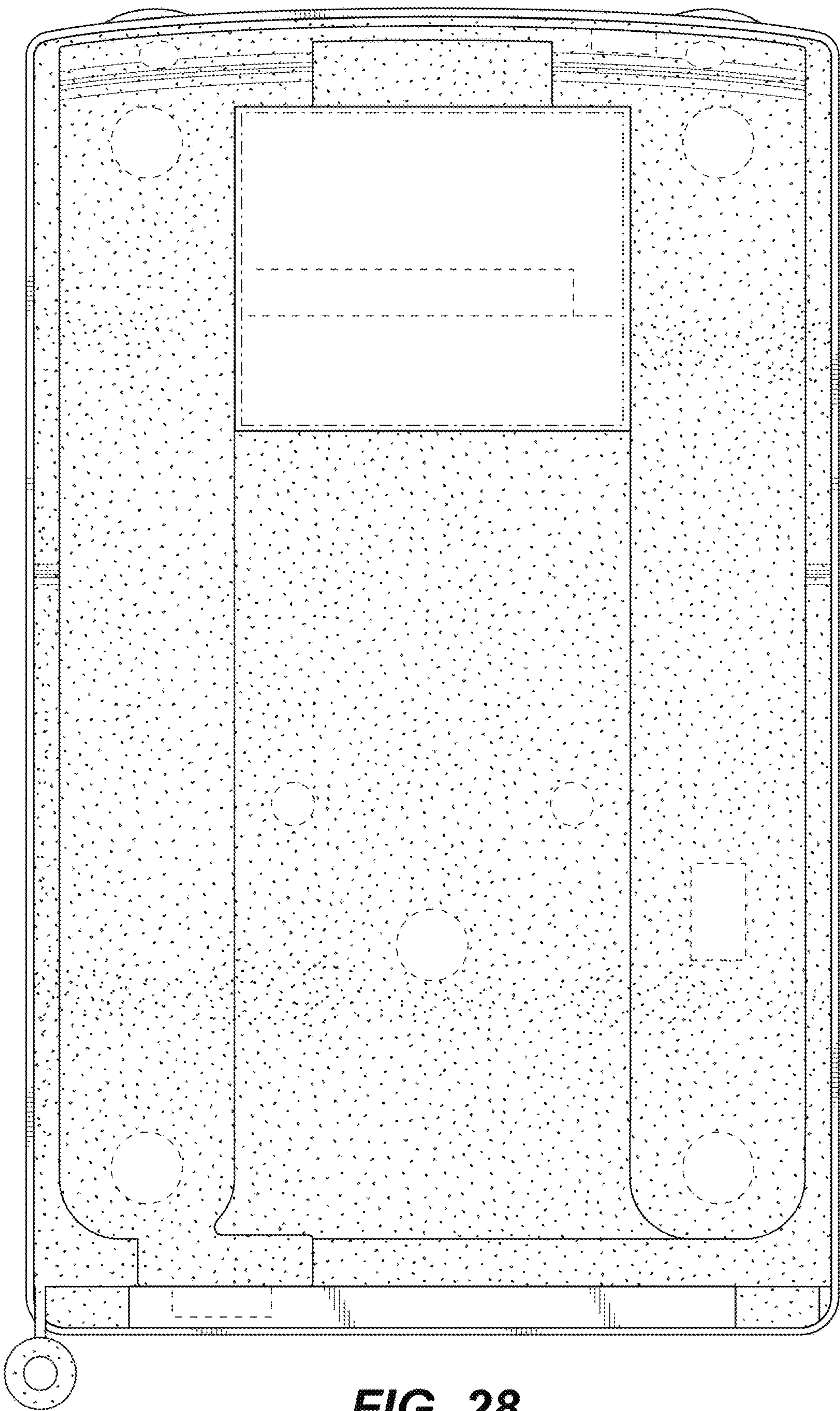


FIG. 28