



US00D871607S

(12) **United States Design Patent** (10) **Patent No.:** **US D871,607 S**
Williams et al. (45) **Date of Patent:** **** Dec. 31, 2019**

(54) **CONCENTRATION DETECTOR FOR LABORATORY USE**

(71) Applicant: **SPARTAN BIOSCIENCE INC.**,
Ottawa (CA)

(72) Inventors: **Michael Edward Williams**, San Diego,
CA (US); **Chris Harder**, Dunrobin
(CA); **Marie Ashman**, Ottawa (CA);
Saakshi Surtwala, Ottawa (CA); **Peter
Goodings**, Ottawa (CA); **Louwrens
Stassen**, Kanata (CA)

(73) Assignee: **SPARTAN BIOSCIENCE INC.**,
Ottawa (CA)

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

(21) Appl. No.: **29/623,247**

(22) Filed: **Oct. 24, 2017**

(51) **LOC (12) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/224**

(58) **Field of Classification Search**
USPC D24/107, 112, 113, 128, 129, 186, 216,
D24/219, 223, 224, 231, 232, 233;
(Continued)

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Primary Examiner — Susan Bennett Hattan

Assistant Examiner — Omeed Agilee

(74) *Attorney, Agent, or Firm* — Quarles & Brady LLP

(57) **CLAIM**

The ornamental design for a concentration detector for laboratory use, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a concentration detector for laboratory use;

FIG. 2 is a front view of the concentration detector for laboratory use of FIG. 1;

FIG. 3 is a rear view of the concentration detector for laboratory use of FIG. 1;

FIG. 4 is a right side view of the concentration detector for laboratory use of FIG. 1;

FIG. 5 is a left side view of the concentration detector for laboratory use of FIG. 1;

FIG. 6 is a top view of the concentration detector for laboratory use of FIG. 1;

FIG. 7 is a bottom view of the concentration detector for laboratory use of FIG. 1;

FIG. 8 is a rear perspective view of the concentration detector for laboratory use of FIG. 1;

FIG. 9 is a front perspective view of the concentration detector for laboratory use of FIG. 1 showing environment structure;

FIG. 10 is a front perspective view a further embodiment of the concentration detector for laboratory use of FIG. 1;

FIG. 11 is a front view of the concentration detector for laboratory use of FIG. 10;

FIG. 12 is a rear view of the concentration detector for laboratory use of FIG. 10;

FIG. 13 is a right side view of the concentration detector for laboratory use of FIG. 10;

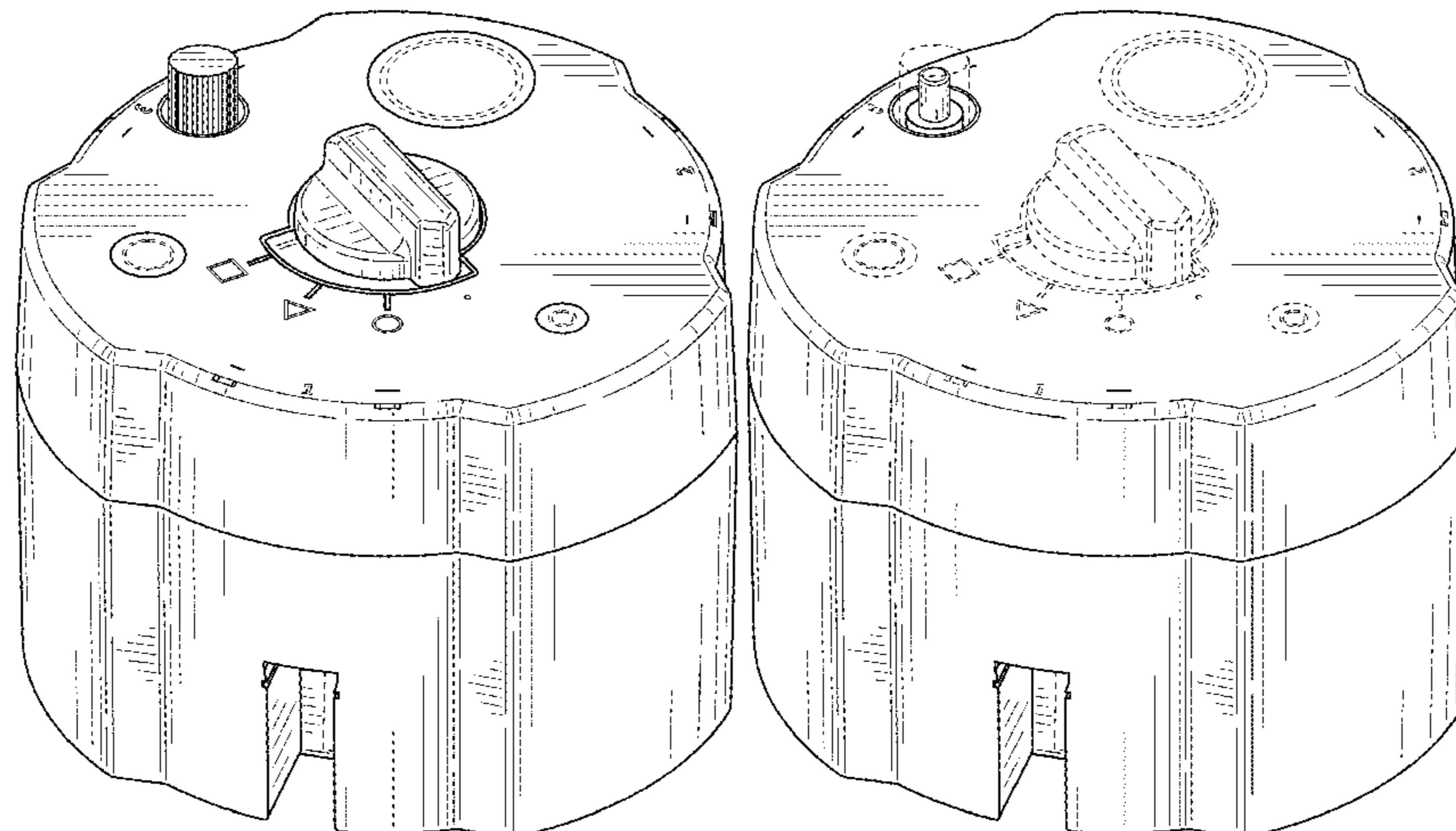
FIG. 14 is a left side view of the concentration detector for laboratory use of FIG. 10;

FIG. 15 is a top view of the concentration detector for laboratory use of FIG. 10;

FIG. 16 is a bottom view of the concentration detector for laboratory use of FIG. 10; and,

FIG. 17 is a rear perspective view of the concentration detector for laboratory use of FIG. 10.

(Continued)



The broken lines depict portions of the concentration detector for laboratory use that form no part of the claimed design.

1 Claim, 11 Drawing Sheets

(58) Field of Classification Search

USPC D8/97, 300, 310, 349; D23/129, 223,
D23/249, 259

CPC A44C 5/0007; A44C 5/0023; A61M 5/158;
A61M 5/1582

See application file for complete search history.

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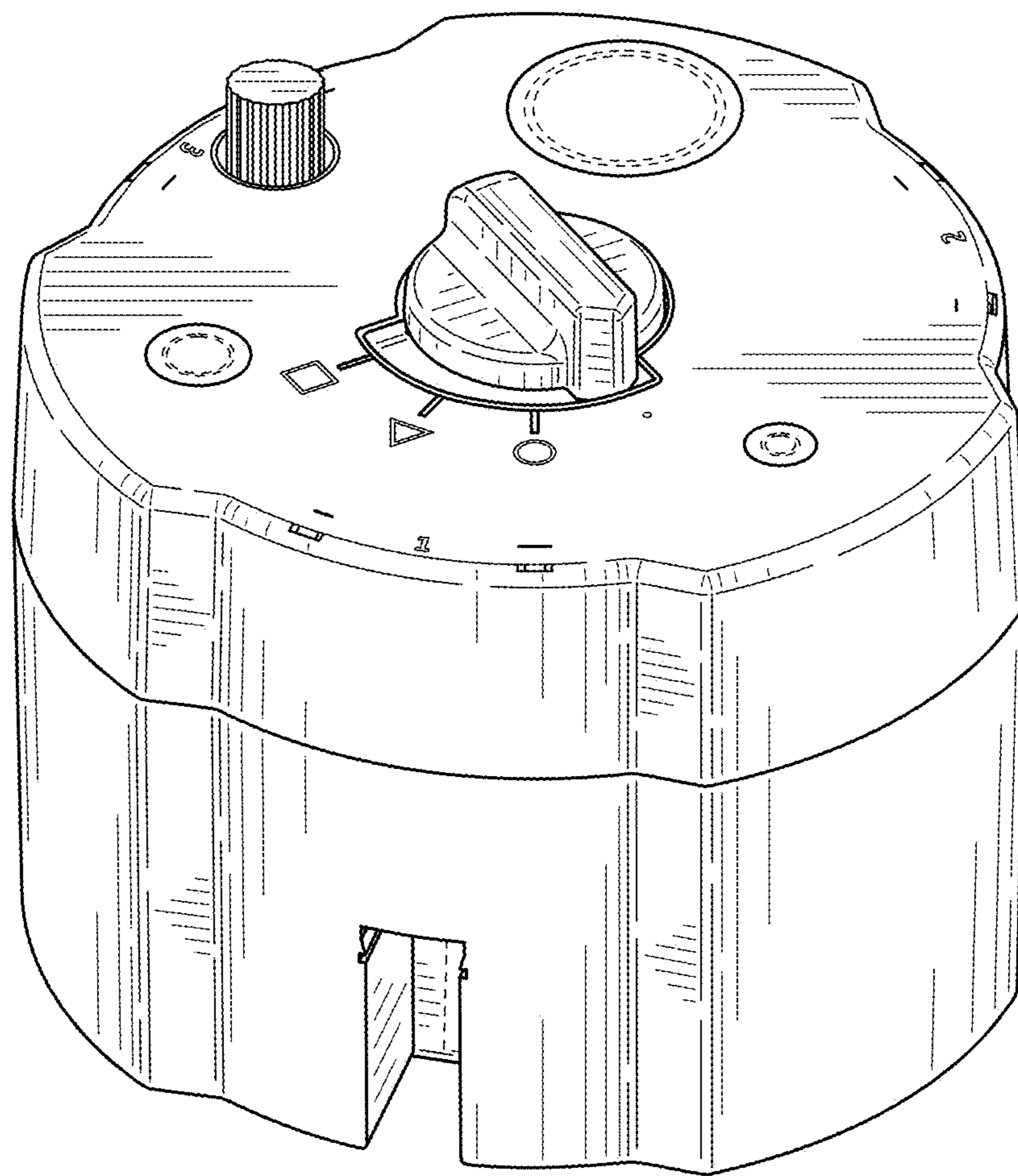


FIG. 1

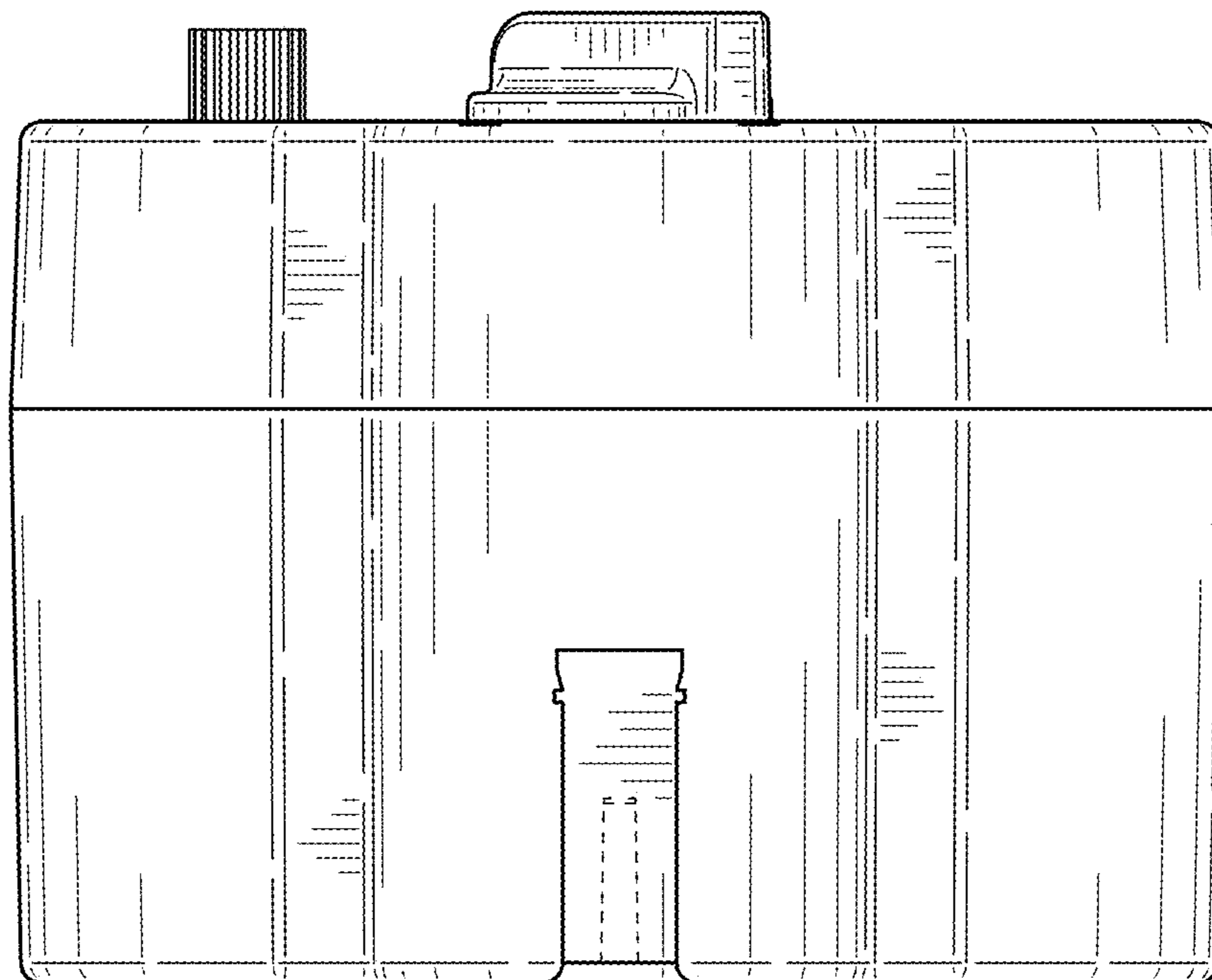


FIG. 2

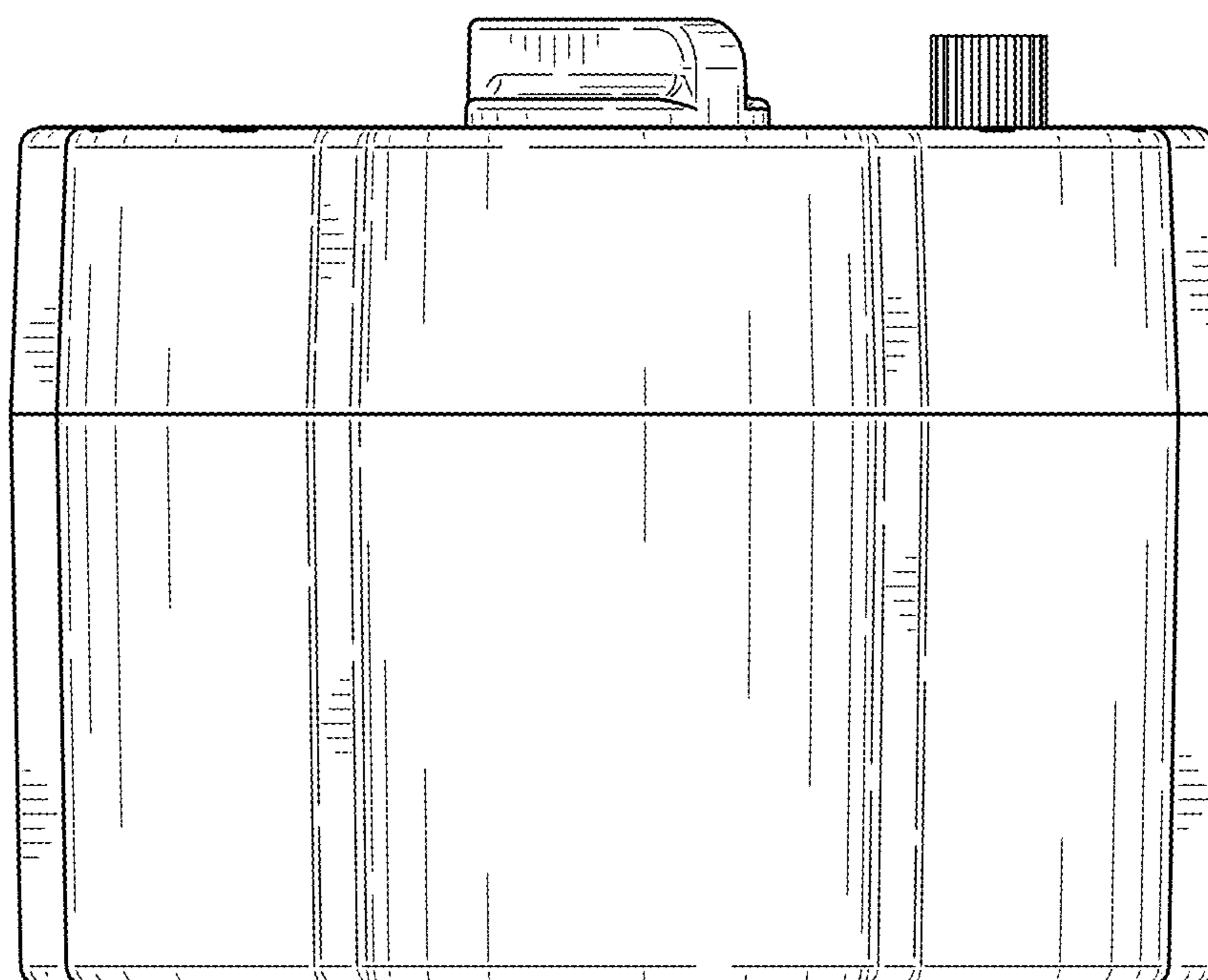


FIG. 3

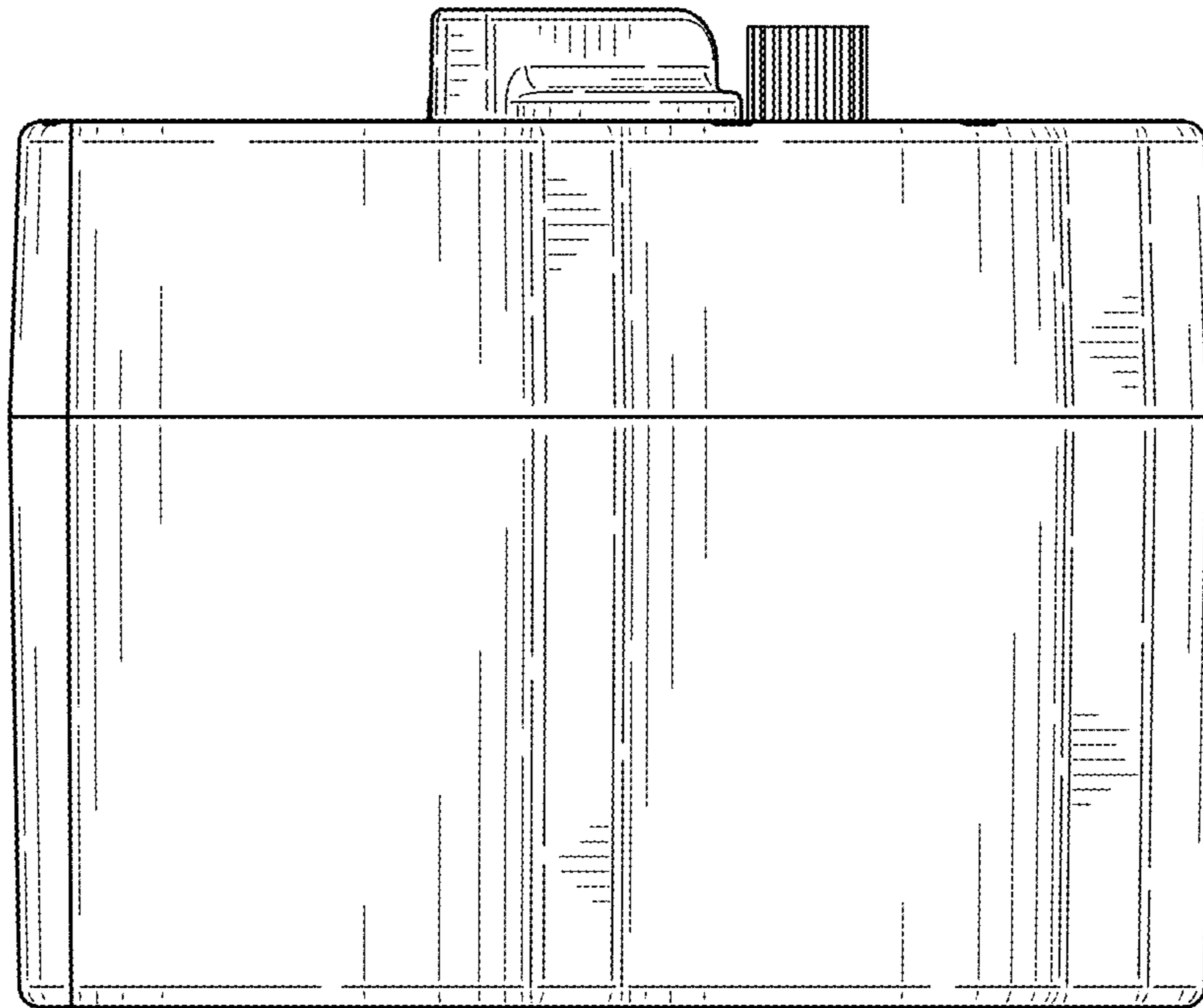


FIG. 4

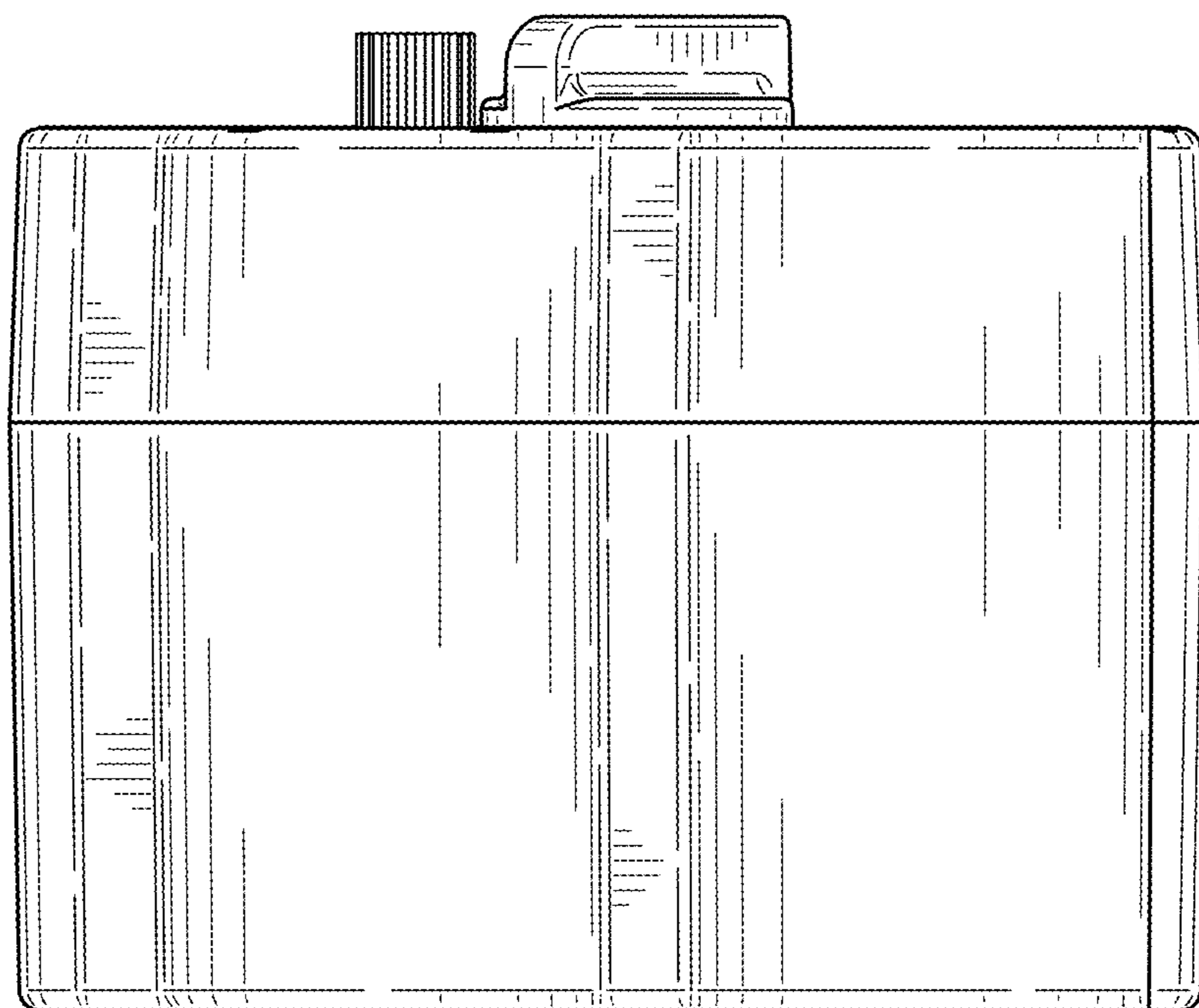


FIG. 5

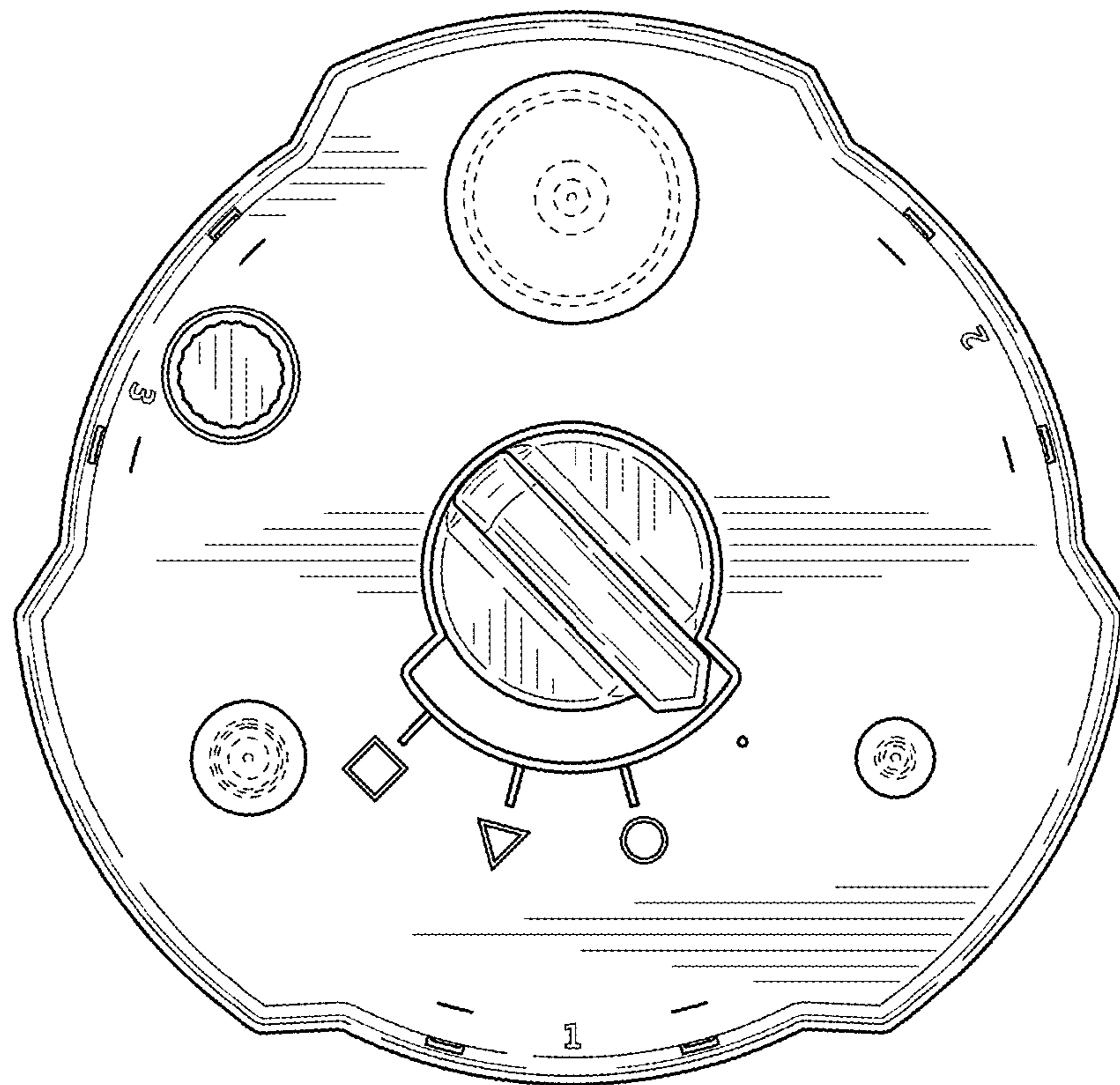


FIG. 6

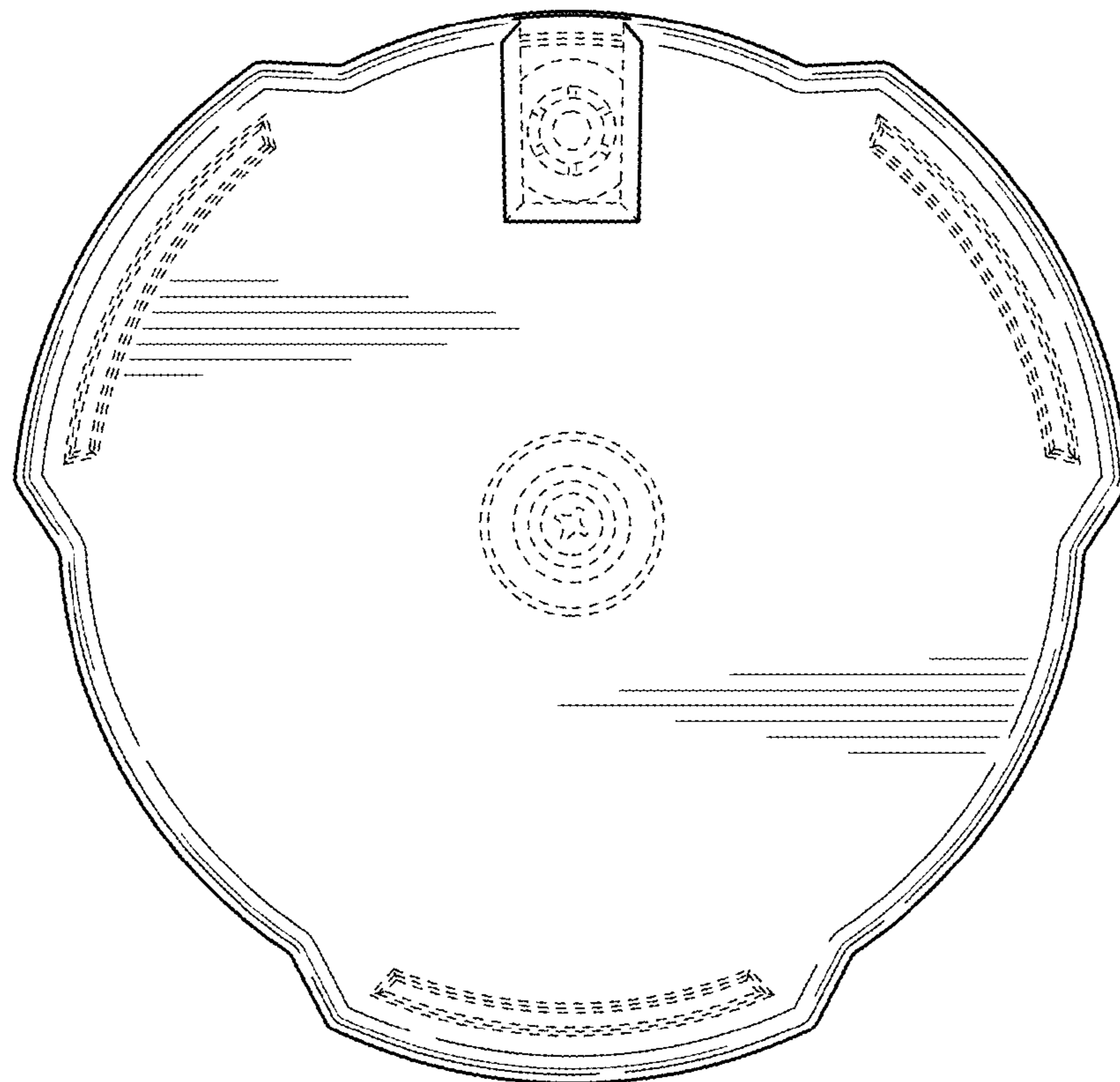


FIG. 7

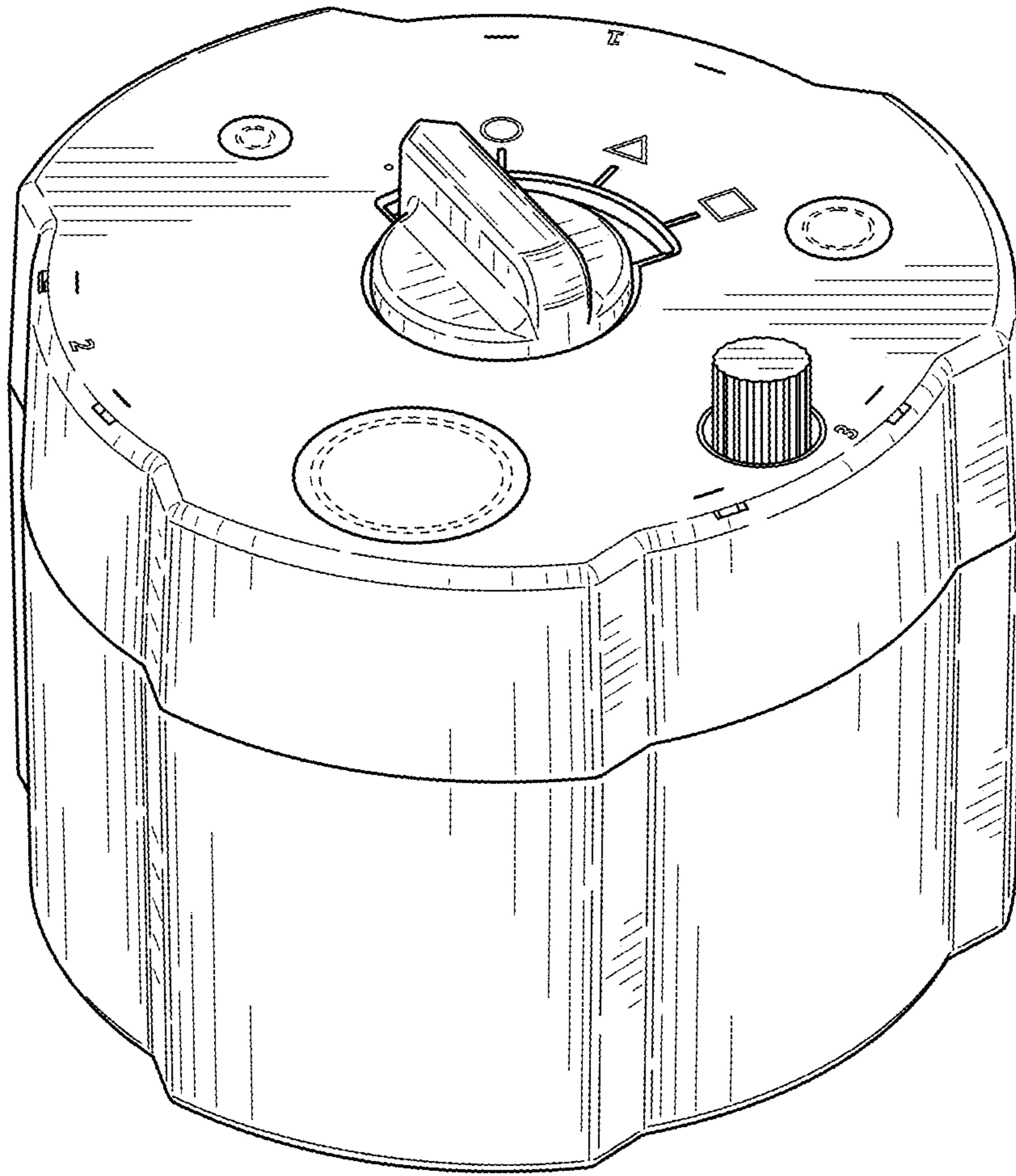


FIG. 8

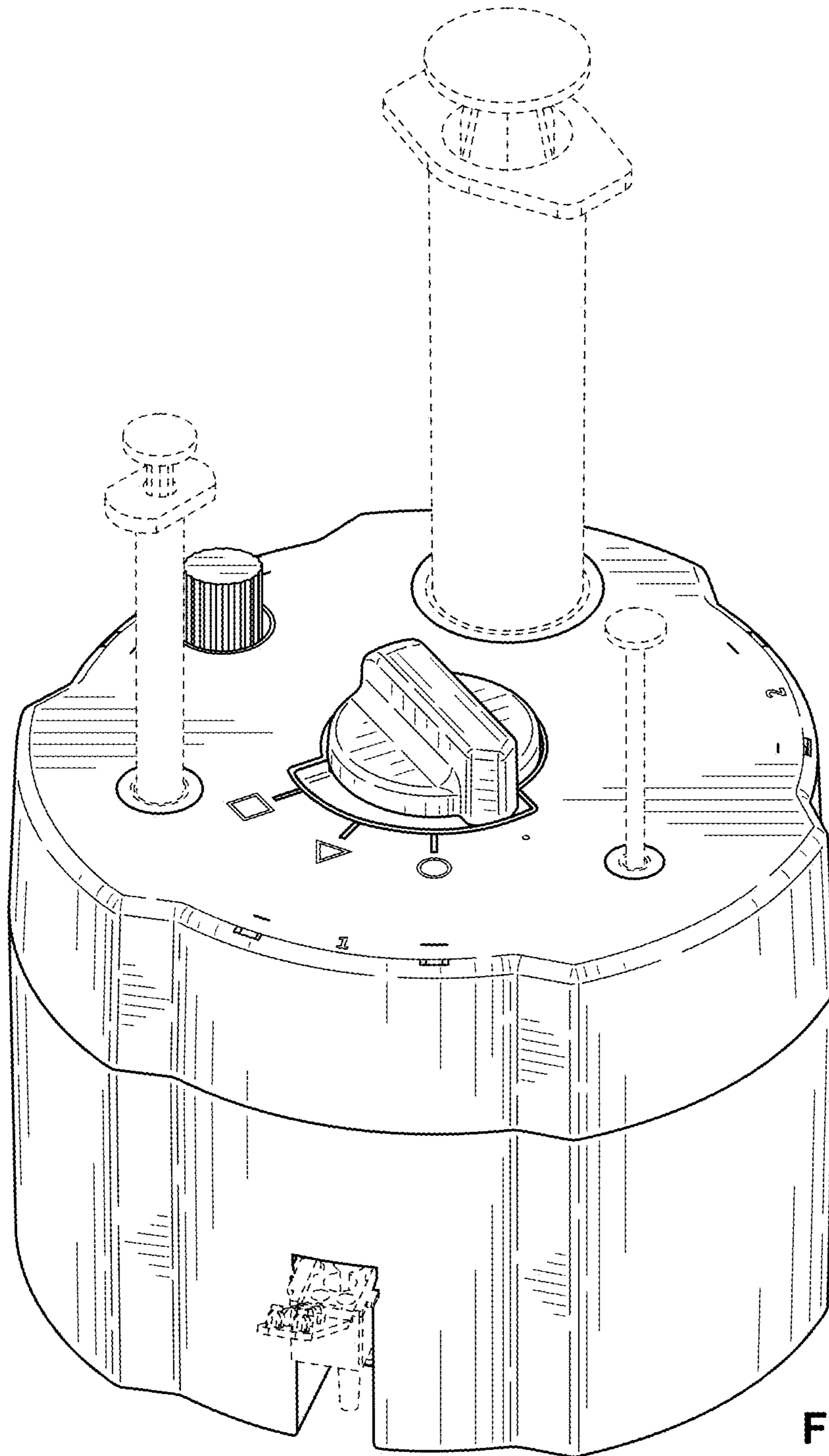


FIG. 9

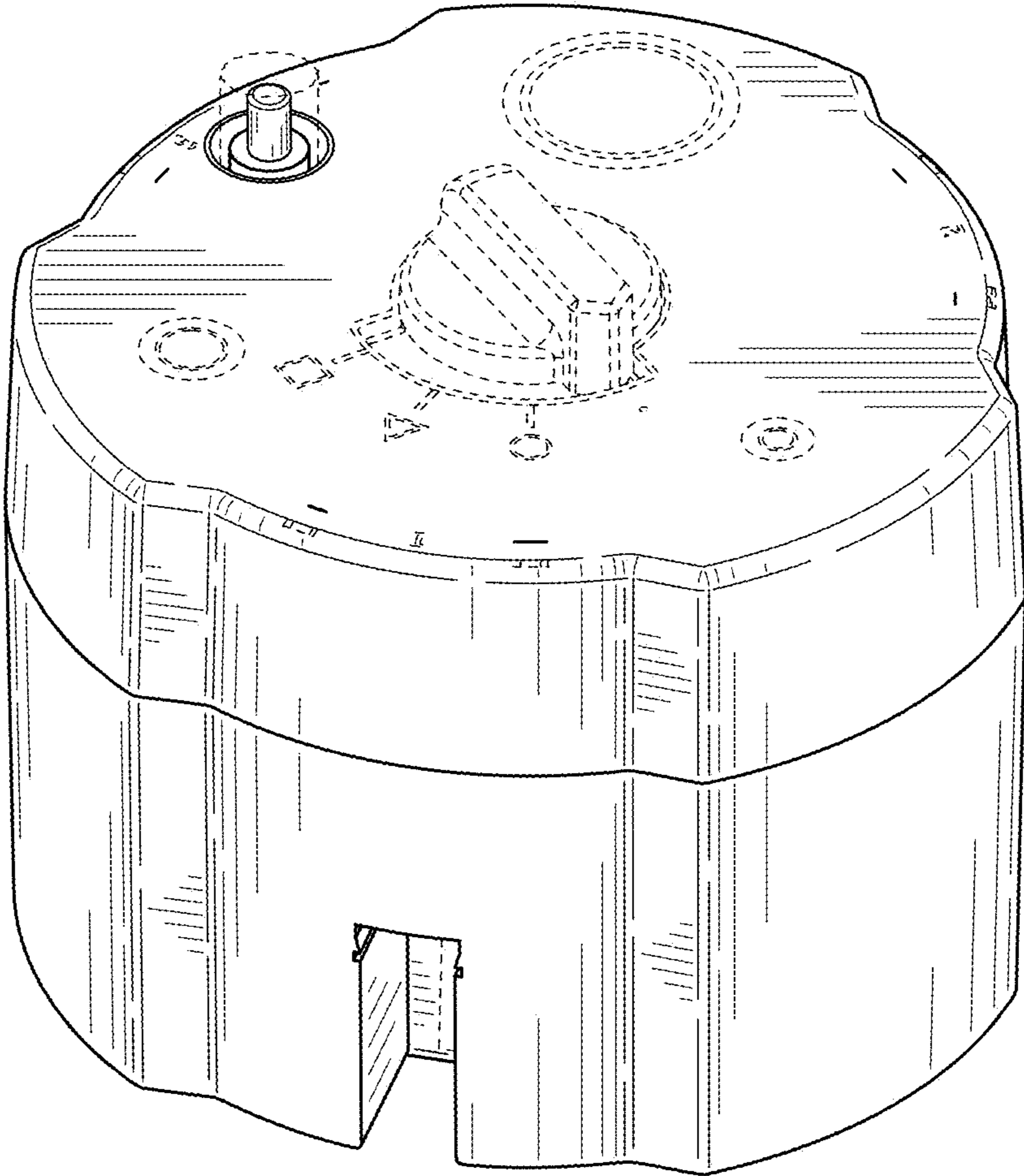


FIG. 10

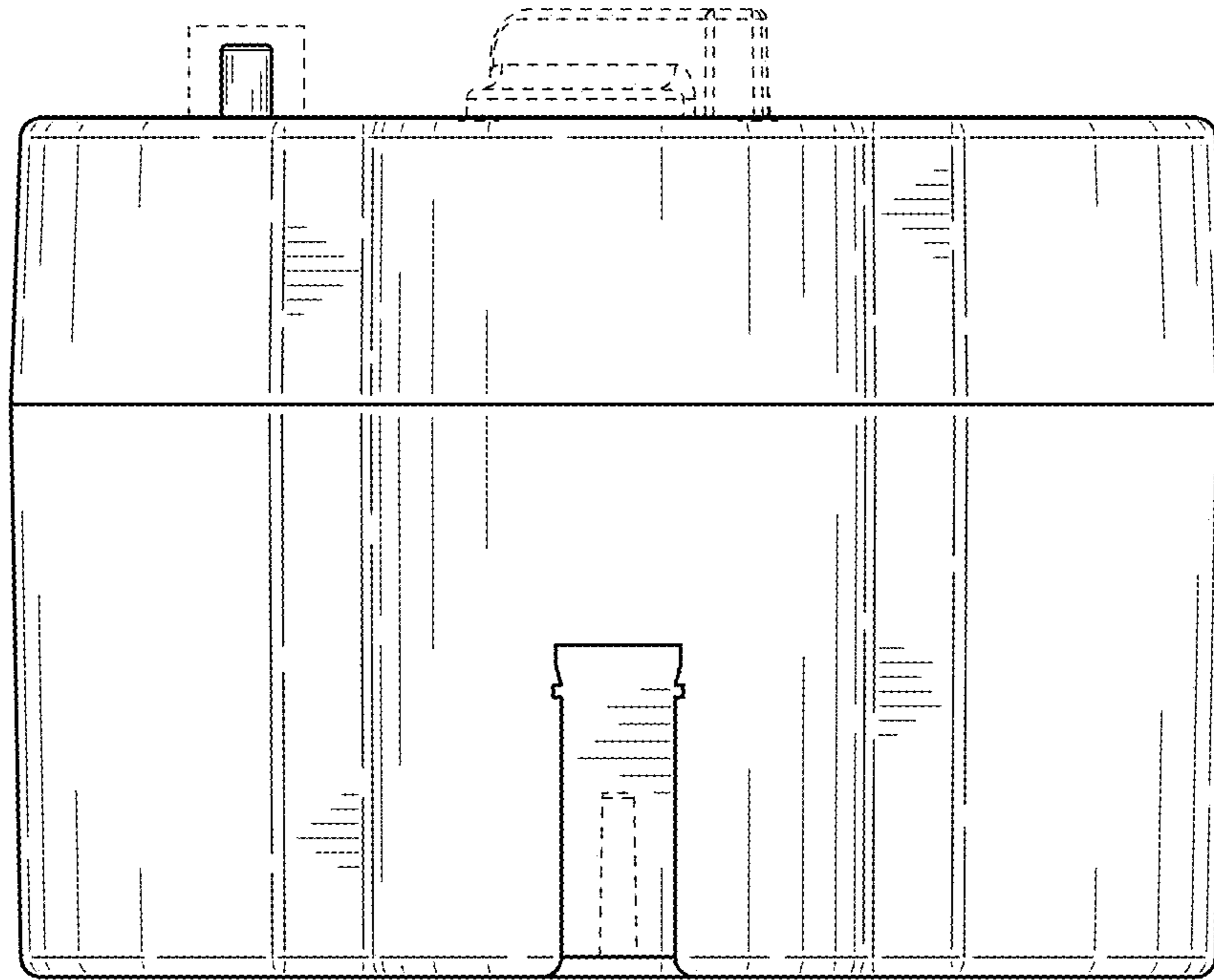


FIG. 11

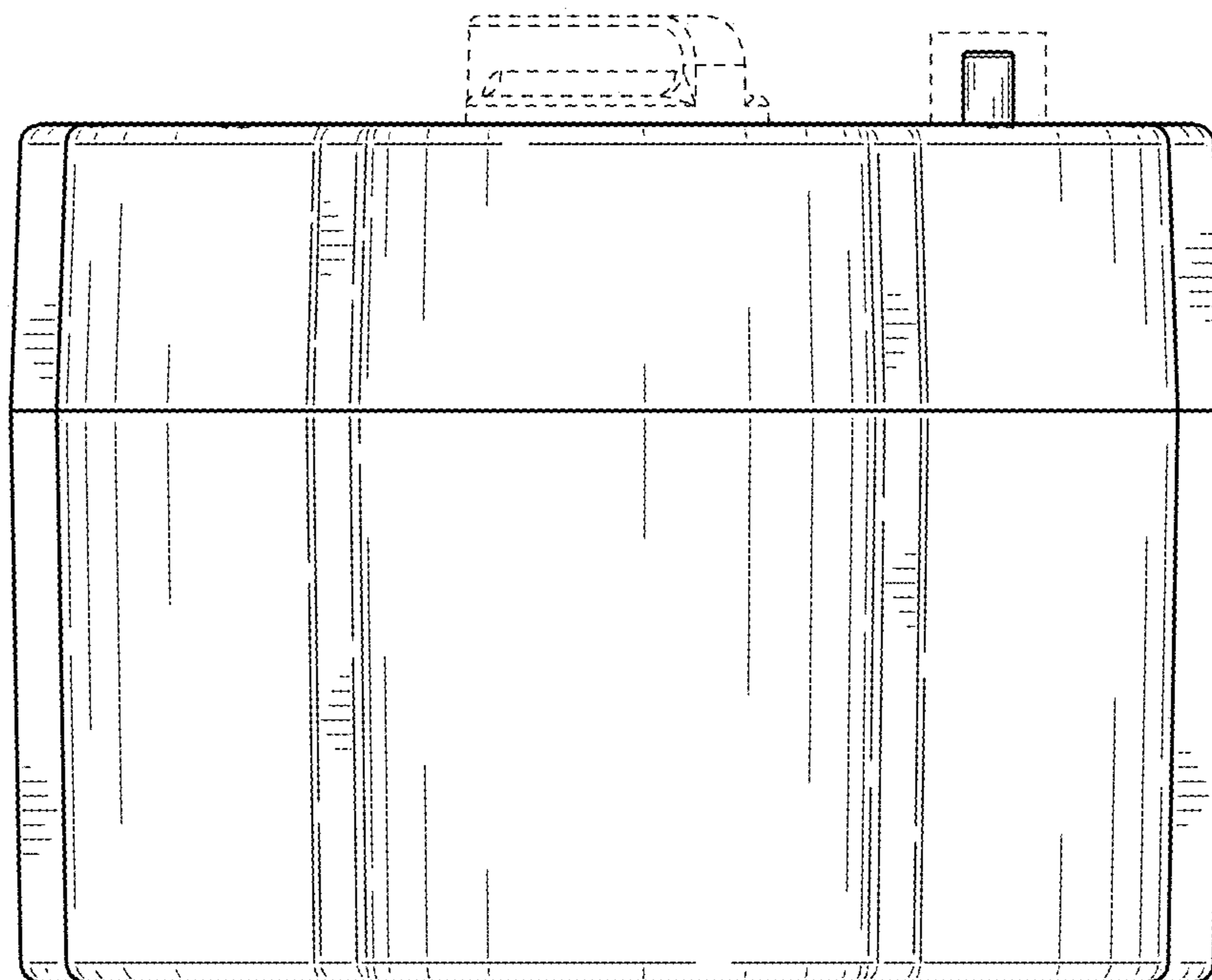


FIG. 12

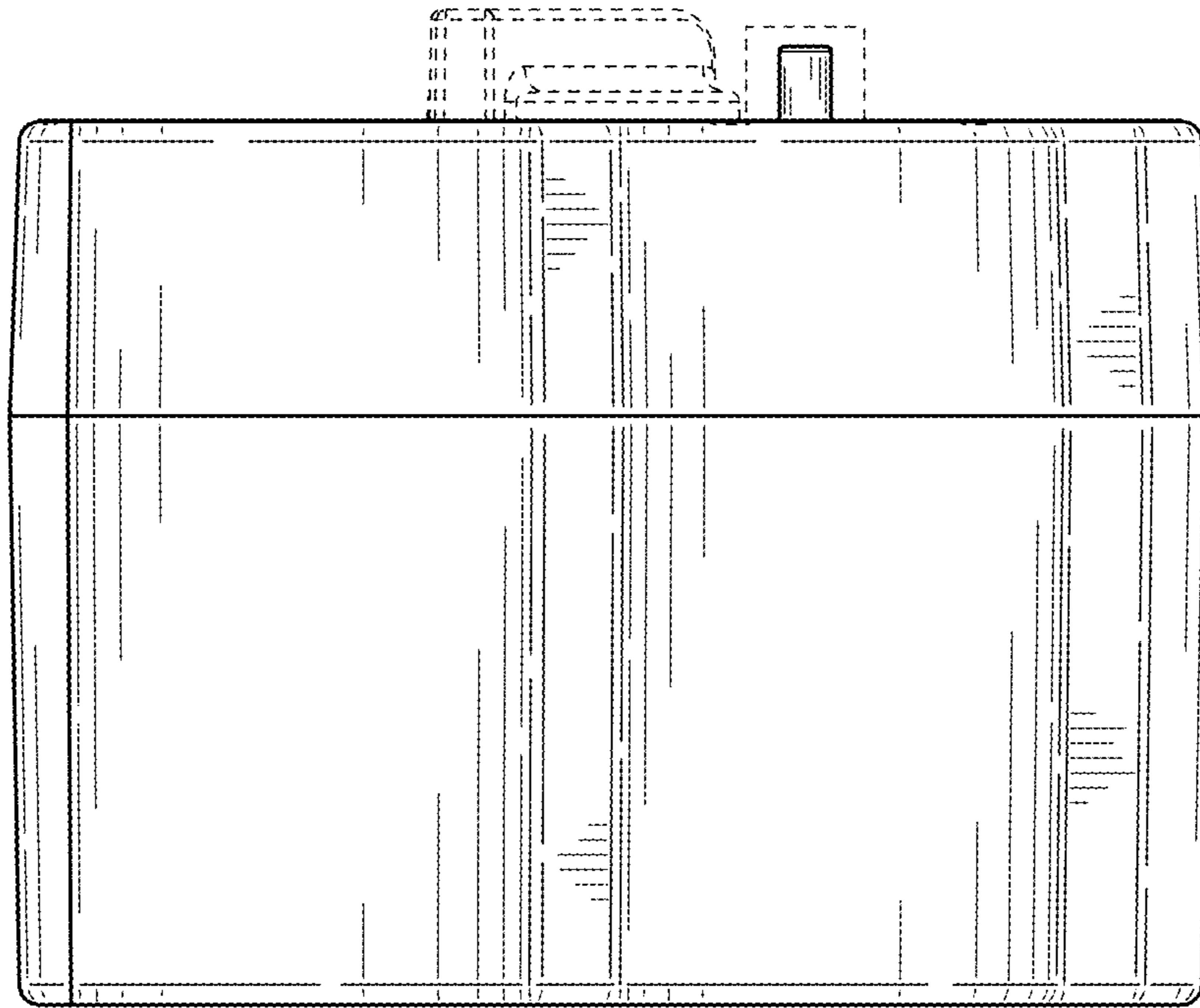


FIG. 13

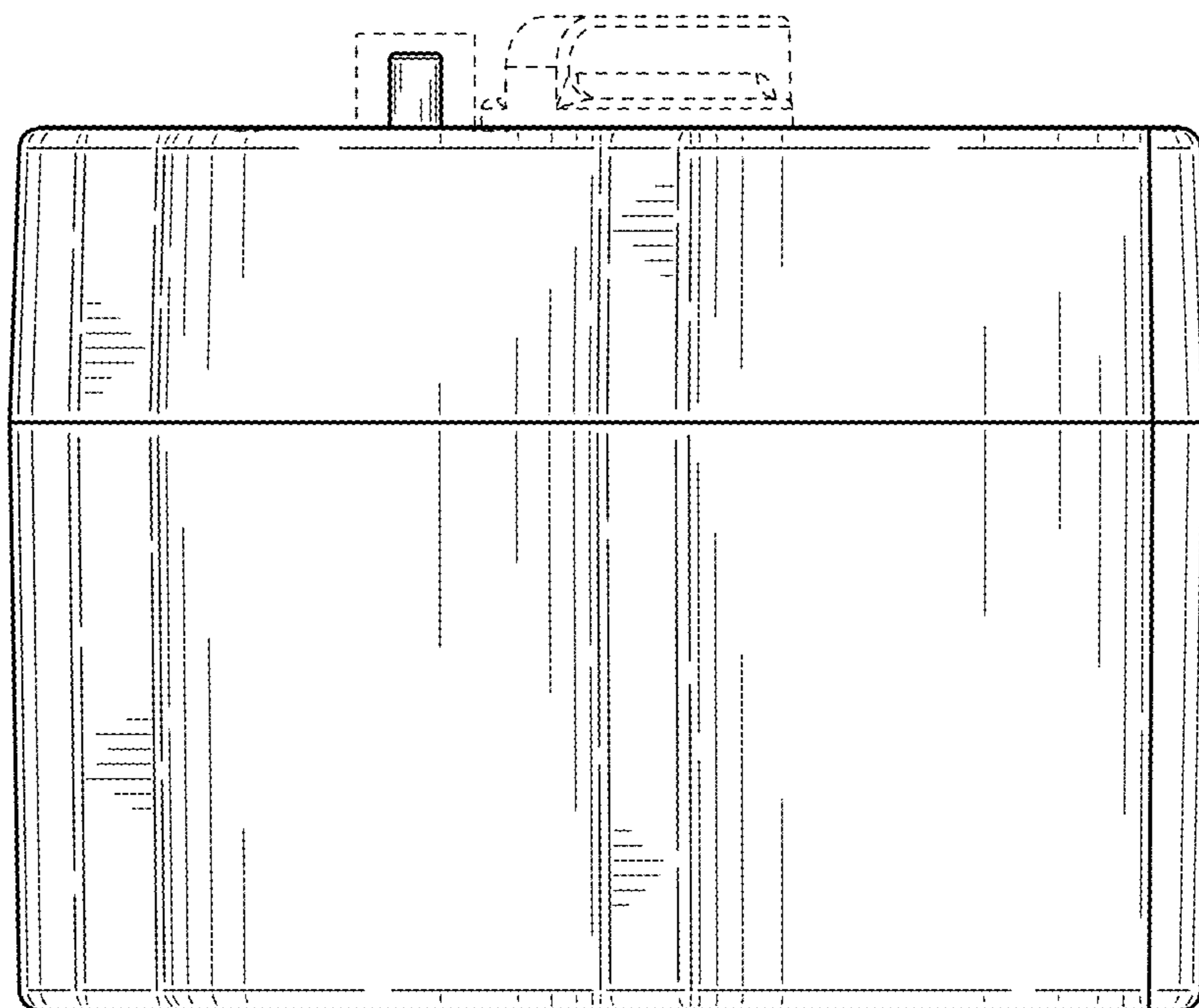


FIG. 14

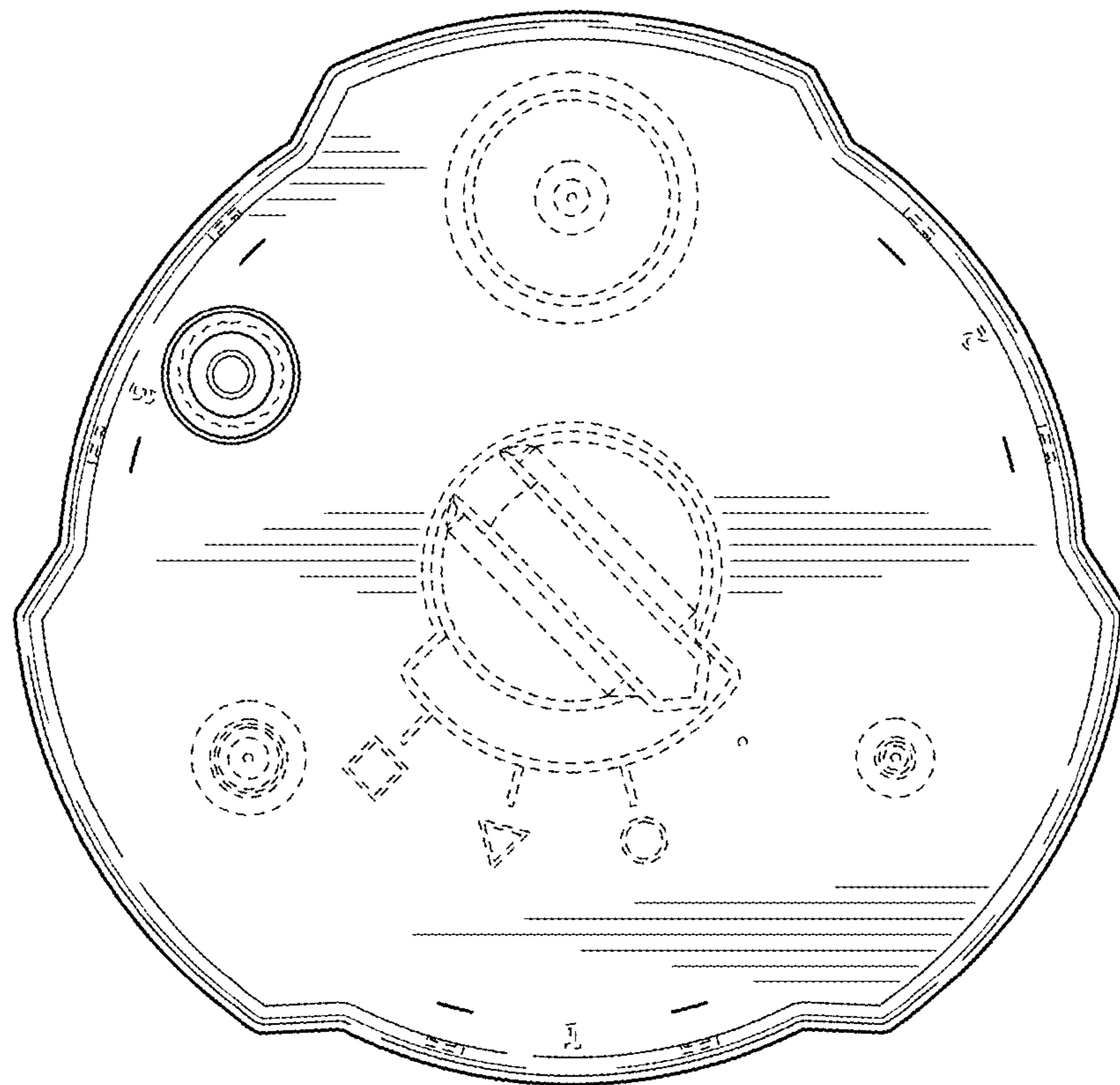


FIG. 15

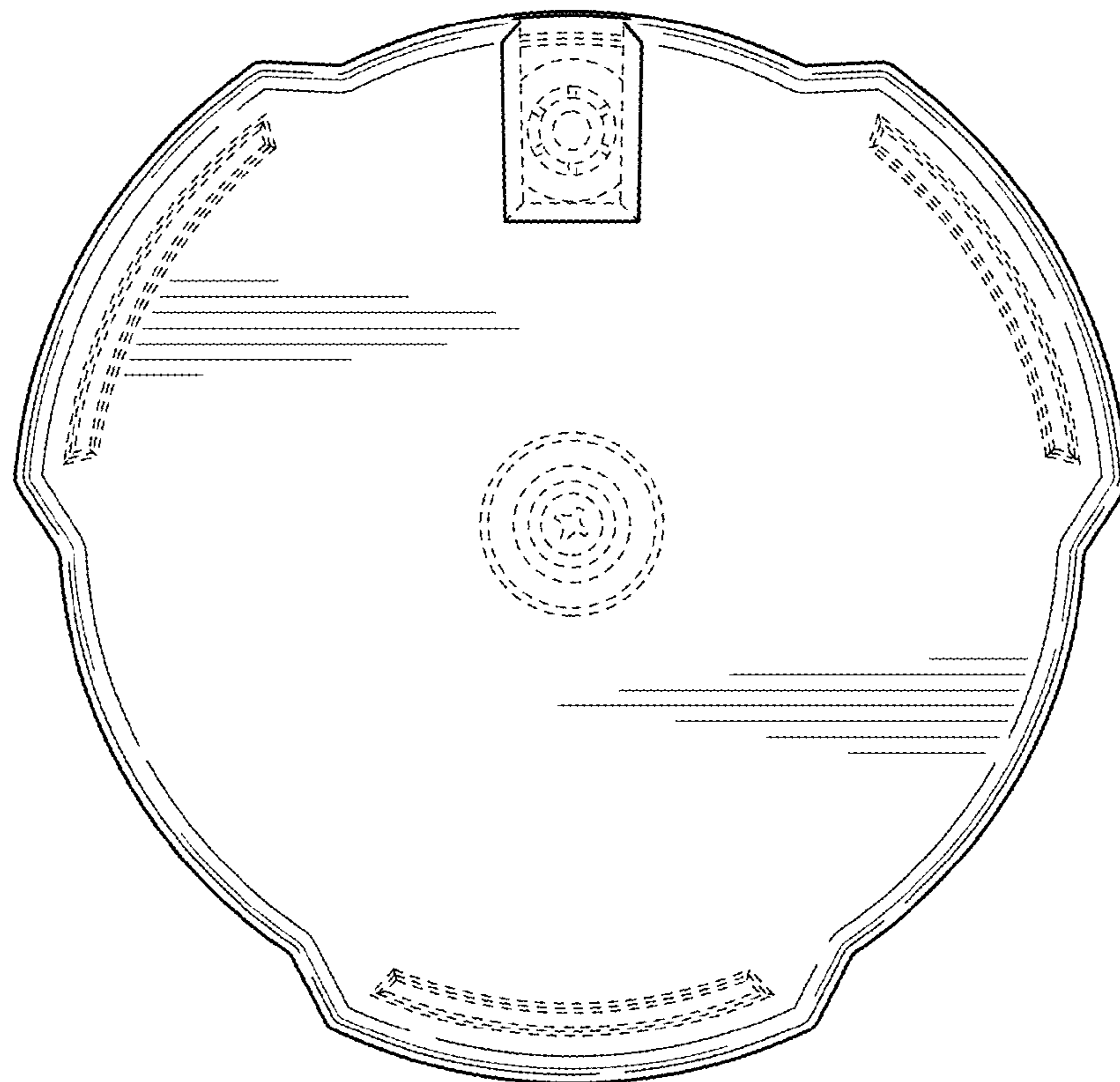


FIG. 16

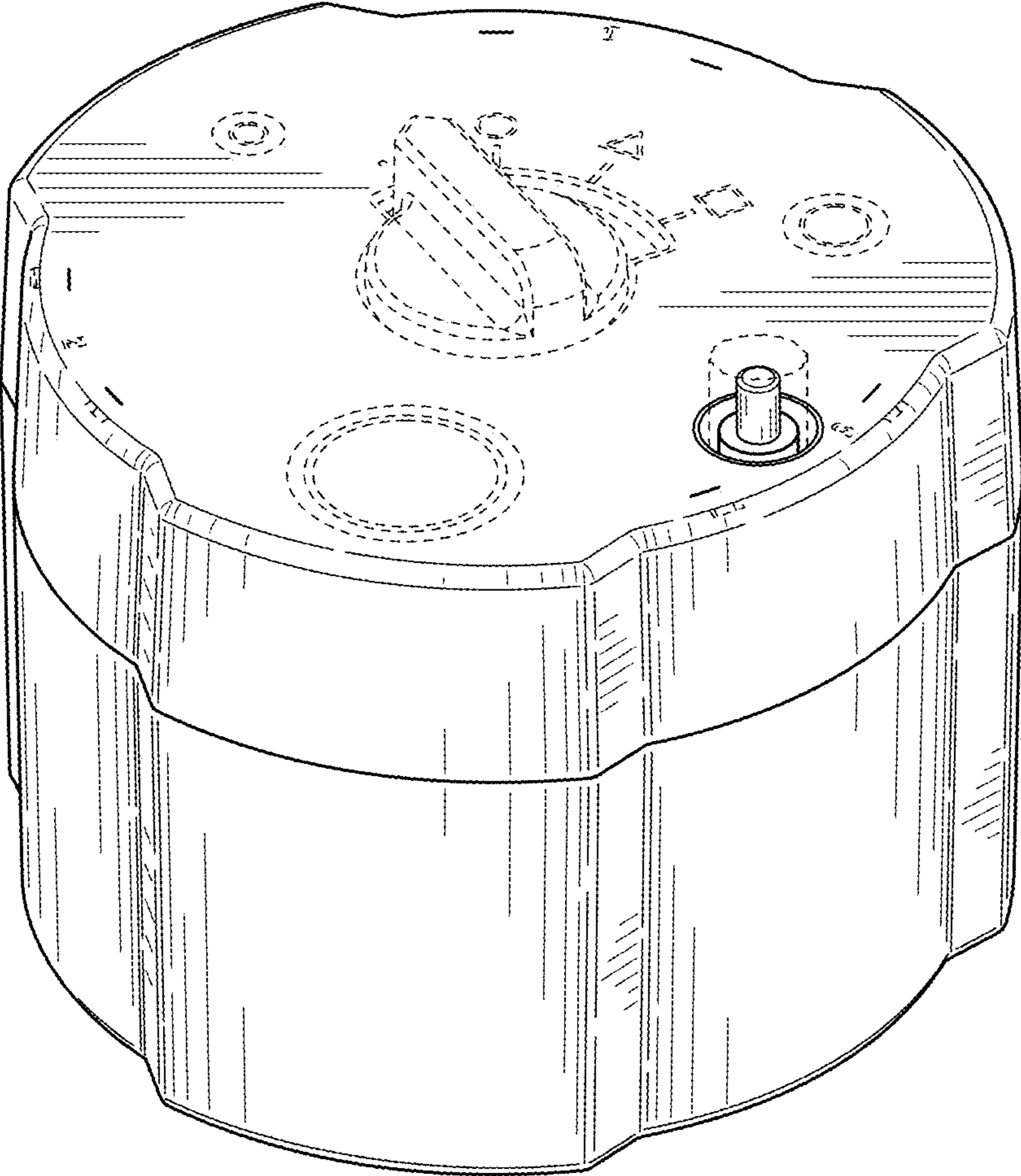


FIG. 17

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D871,607 S
APPLICATION NO. : 29/623247
DATED : December 31, 2019
INVENTOR(S) : Michael Edward Williams et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

In item (54) "CONCENTRATION DETECTOR FOR LABORATORY USE" should read
--CONCENTRATION CARTRIDGE--.

Under Description:

"FIG. 1 is a front perspective view of a concentration detector for laboratory use;" should read --FIG. 1 is a front perspective view of a concentration cartridge;--.

"FIG. 2 is a front view of the concentration detector for laboratory use of FIG. 1;" should read --FIG. 2 is a front view of the concentration cartridge of FIG. 1;--.

"FIG. 3 is a rear view of the concentration detector for laboratory use of FIG. 1;" should read --FIG. 3 is a rear view of the concentration cartridge of FIG. 1;--.

"FIG. 4 is a right side view of the concentration detector for laboratory use of FIG. 1;" should read --FIG. 4 is a right side view of the concentration cartridge of FIG. 1;--.

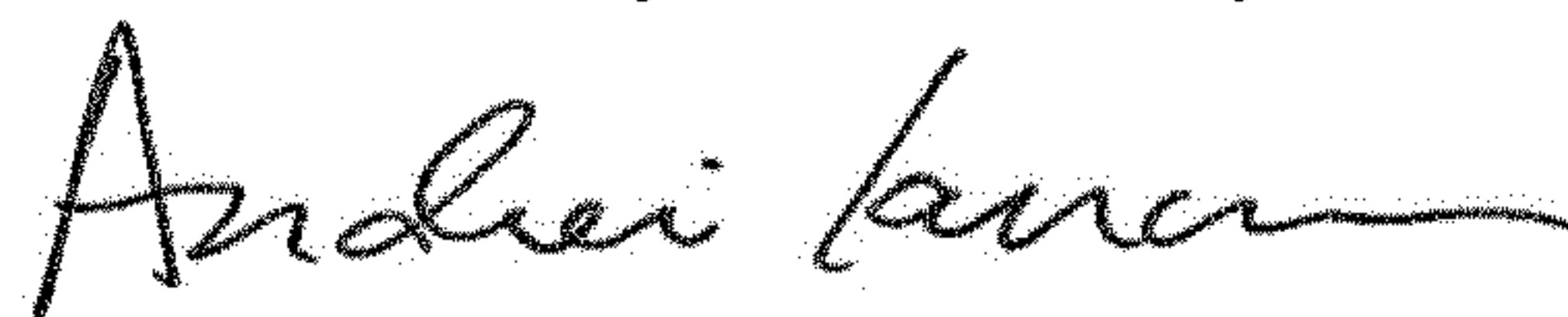
"FIG. 5 is a left side view of the concentration detector for laboratory use of FIG. 1;" should read --FIG. 5 is a left side view of the concentration cartridge of FIG. 1;--.

"FIG. 6 is a top view of the concentration detector for laboratory use of FIG. 1;" should read --FIG. 6 is a top view of the concentration cartridge of FIG. 1;--.

"FIG. 7 is a bottom view of the concentration detector for laboratory use of FIG. 1;" should read --FIG. 7 is a bottom view of the concentration cartridge of FIG. 1;--.

"FIG. 8 is a rear perspective view of the concentration detector for laboratory use of FIG. 1;" should read --FIG. 8 is a rear perspective view of the concentration cartridge of FIG. 1;--.

Signed and Sealed this
Eleventh Day of February, 2020



Andrei Iancu
Director of the United States Patent and Trademark Office

“FIG. 9 is a front perspective view of the concentration detector for laboratory use of FIG. 1 showing environment structure;” should read --FIG. 9 is a front perspective view of the concentration cartridge of FIG. 1 showing environment structure;--.

“FIG. 10 is a front perspective view a further embodiment of the concentration detector for laboratory use of FIG. 1;” should read --FIG. 10 is a front perspective view a further embodiment of the concentration cartridge of FIG. 1;--.

“FIG. 11 is a front view of the concentration detector for laboratory use of FIG. 10;” should read --FIG. 11 is a front view of the concentration cartridge of FIG. 10;--.

“FIG. 12 is a rear view of the concentration detector for laboratory use of FIG. 10;” should read --FIG. 12 is a rear view of the concentration cartridge of FIG. 10;--.

“FIG. 13 is a right side view of the concentration detector for laboratory use of FIG. 10;” should read --FIG. 13 is a right side view of the concentration cartridge of FIG. 10;--.

“FIG. 14 is a left side view of the concentration detector for laboratory use of FIG. 10;” should read --FIG. 14 is a left side view of the concentration cartridge of FIG. 10;--.

“FIG. 15 is a top view of the concentration detector for laboratory use of FIG. 10;” should read --FIG. 15 is a top view of the concentration cartridge of FIG. 10;--.

“FIG. 16 is a bottom view of the concentration detector for laboratory use of FIG. 10; and,” should read --FIG. 16 is a bottom view of the concentration cartridge of FIG. 10; and--.

“FIG. 17 is a rear perspective view of the concentration detector for laboratory use of FIG. 10.” should read --FIG. 17 is a rear perspective view of the concentration cartridge of FIG. 10.--.

On page 2, the first line:

“The broken lines depict portions of the concentration detector for laboratory use that form no part of the claimed design.” should read --The broken lines depict portions of the concentration cartridge that form no part of the claimed design.--.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D871,607 S
APPLICATION NO. : 29/623247
DATED : December 31, 2019
INVENTOR(S) : Michael Edward Williams et al.

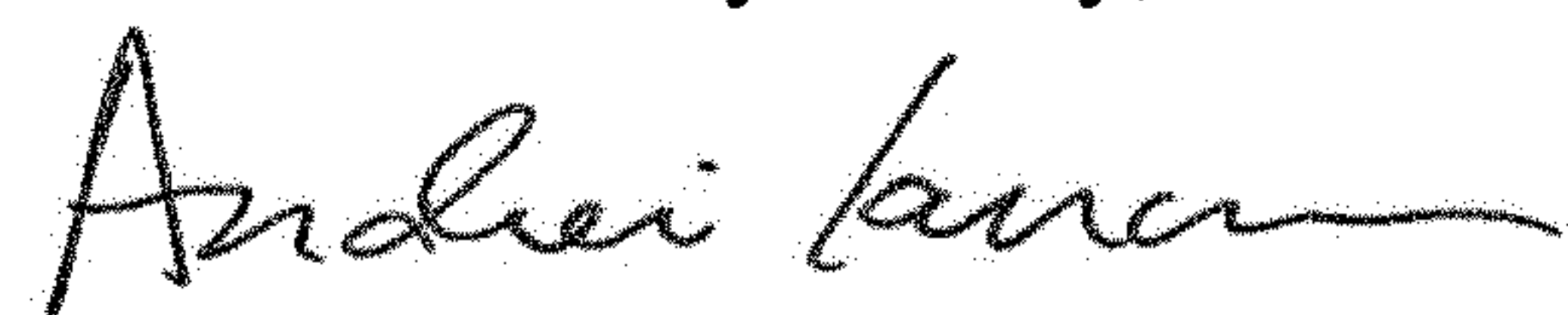
Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

In Item (72), inventor "Saakshi Surtwala" should read --Saakshi Sutarwala--.

Signed and Sealed this
Seventh Day of July, 2020



Andrei Iancu
Director of the United States Patent and Trademark Office