



US00D953180S

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

(10) **Patent No.:** **US D953,180 S**

(45) **Date of Patent:** **** May 31, 2022**

(54) **DIFFERENTIAL PRESSURE TRANSMITTER**

(71) Applicant: **DWYER INSTRUMENTS, INC.**,
Michigan City, IN (US)

(72) Inventor: **Jeffrey Vern Meuli**, LaPorte, IN (US)

(73) Assignee: **DWYER INSTRUMENTS, INC.**,
Michigan City, IN (US)

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

(21) Appl. No.: **29/737,687**

(22) Filed: **Jun. 11, 2020**

(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/85; D10/96**

(58) **Field of Classification Search**
USPC D10/96-103, 46, 47, 80-82, 75-79, 61,
D10/65, 67, 106.91, 106.9, 106.4
CPC G01L 19/0023; G01L 19/143; G01L
19/0092; G01L 19/086; G01K 13/00;
G01K 1/024; G01P 15/00; G01P 1/06;
G01P 5/24; G05D 7/0635; H04L
2012/2841; H04L 12/2827; H04L
2012/285; G01F 23/02; G01F 1/05; G01F
1/22; G01F 1/26; G01F 1/28; G01F
15/06; G01F 23/0015; B60P 3/228; B60P
3/2265

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,251,149 A * 10/1993 Williams G01F 3/12
702/46

D556,616 S * 12/2007 Preston D10/96
(Continued)

FOREIGN PATENT DOCUMENTS

CN 302611695 * 6/2013
CN 305331298 * 12/2018

(Continued)

OTHER PUBLICATIONS

Dwyer, Wet/Wet Differential Pressure Transmitter, Date first available Mar. 2, 2013, [online]retrieved Sep. 20, 2021, available from https://www.amazon.com/Dwyer-DXW-11-153-1-Differential-Pressure-Switches/dp/B00GDGKLO0/ref=sr_1_7?dchild=1&keywords=DIFFERENTIAL+PRESSURE+TRANSMITTER&qid=1632155088&s=ind (Year: 2013).*

(Continued)

Primary Examiner — Keli L Hill

Assistant Examiner — Sara S Sahneh

(74) *Attorney, Agent, or Firm* — Tarolli, Sundheim,
Covell & Tummino LLP

(57) **CLAIM**

The ornamental design for a differential pressure transmitter, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a differential pressure transmitter illustrating our new design.

FIG. 2 is a bottom perspective view of a differential pressure transmitter illustrating our new design.

FIG. 3 is a rear view of a differential pressure transmitter illustrating our new design.

FIG. 4 is a front view of a differential pressure transmitter illustrating our new design.

FIG. 5 is a left side view of a differential pressure transmitter illustrating our new design.

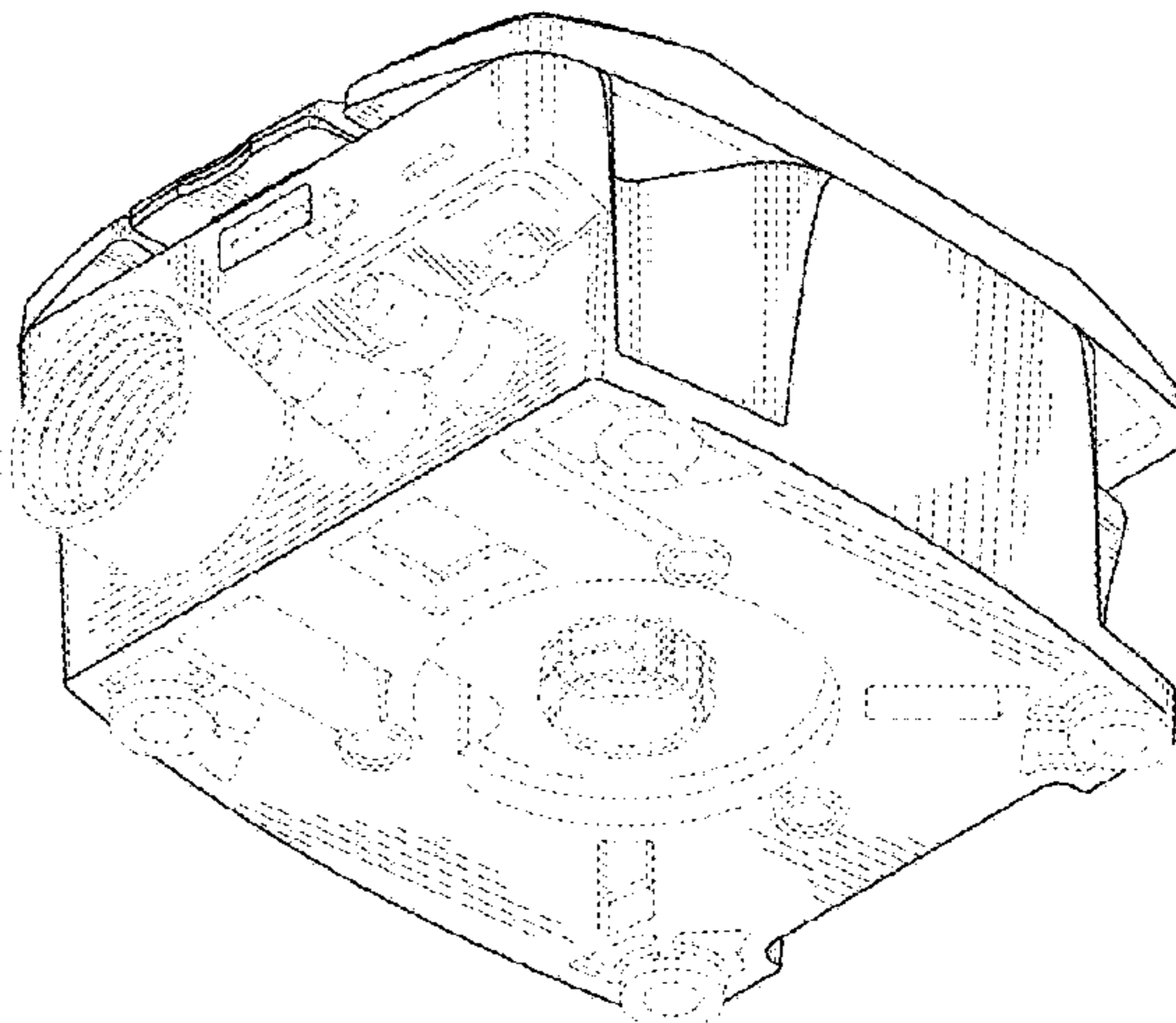
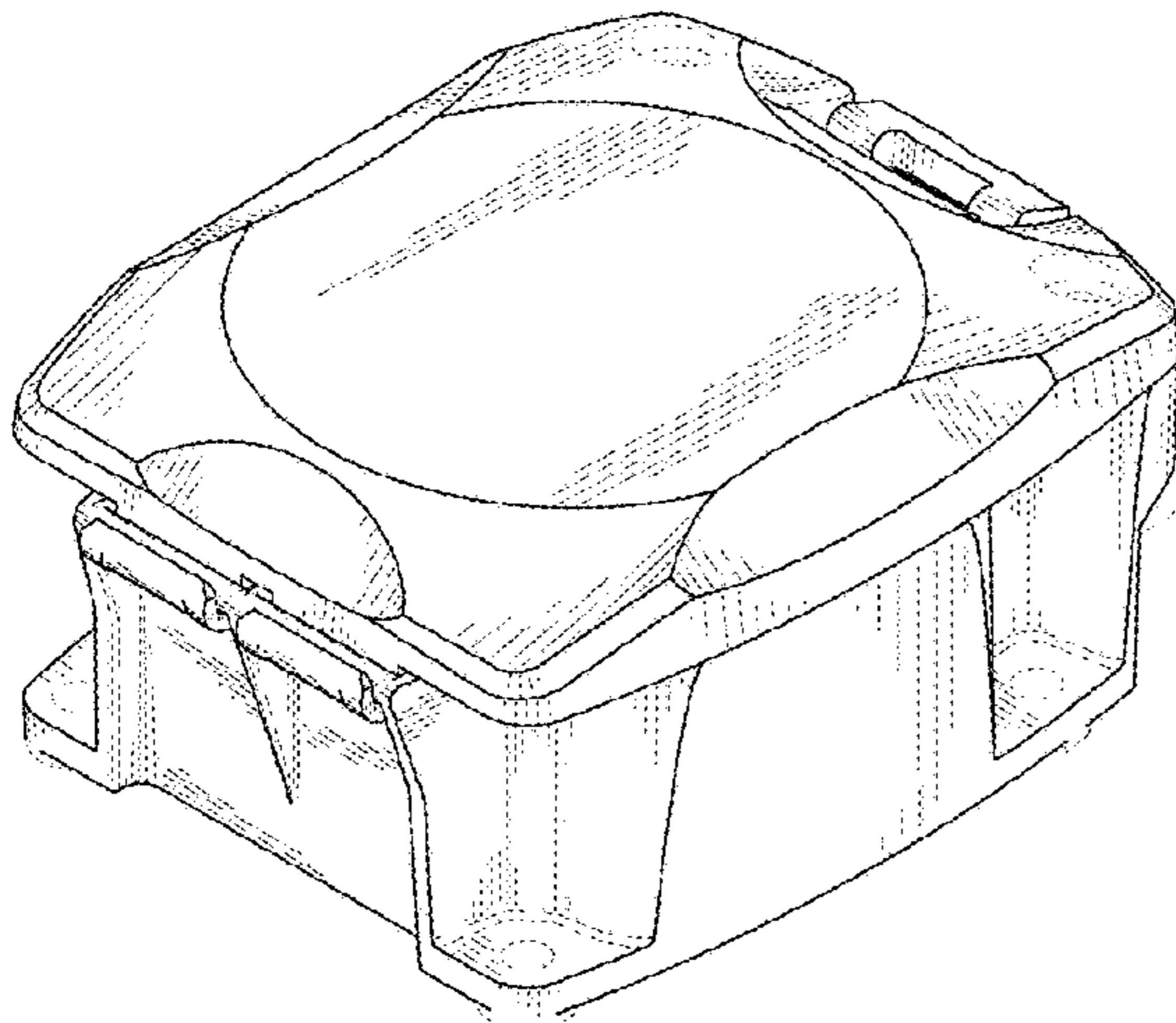
FIG. 6 is a right side view of a differential pressure transmitter illustrating our new design.

FIG. 7 is a top view of a differential pressure transmitter illustrating our new design; and,

FIG. 8 is a bottom view of a differential pressure transmitter illustrating our new design.

The broken lines shown are included for the purpose of illustrating portions of the differential pressure transmitter that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

OTHER PUBLICATIONS

U.S. PATENT DOCUMENTS

D560,530 S * 1/2008 Fisher D10/85
 D562,168 S * 2/2008 Johnson D10/96
 D575,652 S * 8/2008 Varini D10/96
 D665,287 S * 8/2012 Fukano D10/96
 D850,960 S * 6/2019 Headley D10/96
 D878,943 S * 3/2020 Mess D10/96
 D929,358 S * 8/2021 Peled D14/155
 2011/0079303 A1 * 4/2011 Varini B67D 7/78
 137/544
 2019/0346299 A1 * 11/2019 Fang G01F 1/662
 2020/0386590 A1 * 12/2020 Stuyvenberg G01F 15/00
 2021/0223077 A1 * 7/2021 Liu G01F 1/662

FOREIGN PATENT DOCUMENTS

CN 305988142 * 4/2020
 CN 306439829 * 10/2020
 CN 306215923 * 12/2020
 EM 002052472-0006 * 6/2012

Cole-Parmer Store, Wet/Wet Differential Pressure Transmitter, Date first available Feb. 27, 2017, [online]retrieved Sep. 20, 2021, available from https://www.amazon.com/Cole-Parmer-psid-Differential-Pressure-Transmitter/dp/B00NG3ACSI/refsr_1_30_sspa?dchild=1&keywords=DIFFERENTIAL+PRESSURE+TRANSMITTER&q (Year: 2017).*

Mothinessto, Differential Pressure Transmitter, Date first available Sep. 13, 2021, [online]retrieved Sep. 20, 2021,available from https://www.amazon.com/Differential-Transmitter-Sensitivity-Precision-Electrical/dp/B09G4L3YV4/ref=sr_1_27?dchild=1&keywords=DIF-FERENTIAL+PRESSURE+TRANSMITTER&qid=16321550 (Year: 2021).*

Dwyer, Differential Pressure,Date first available Oct. 11, 2012, [online]retrieved Sep. 20, 2021,available from https://www.amazon.com/Dwyer-Differential-Pressure-Transmitter-Background/dp/B009PAM7ES/ref=sr_1_5?dchild=1&keywords=DIFFERENTIAL+PRESSURE+TRANSMITTER&qid=1632154835&s=industrial (Year: 2012).*

* cited by examiner

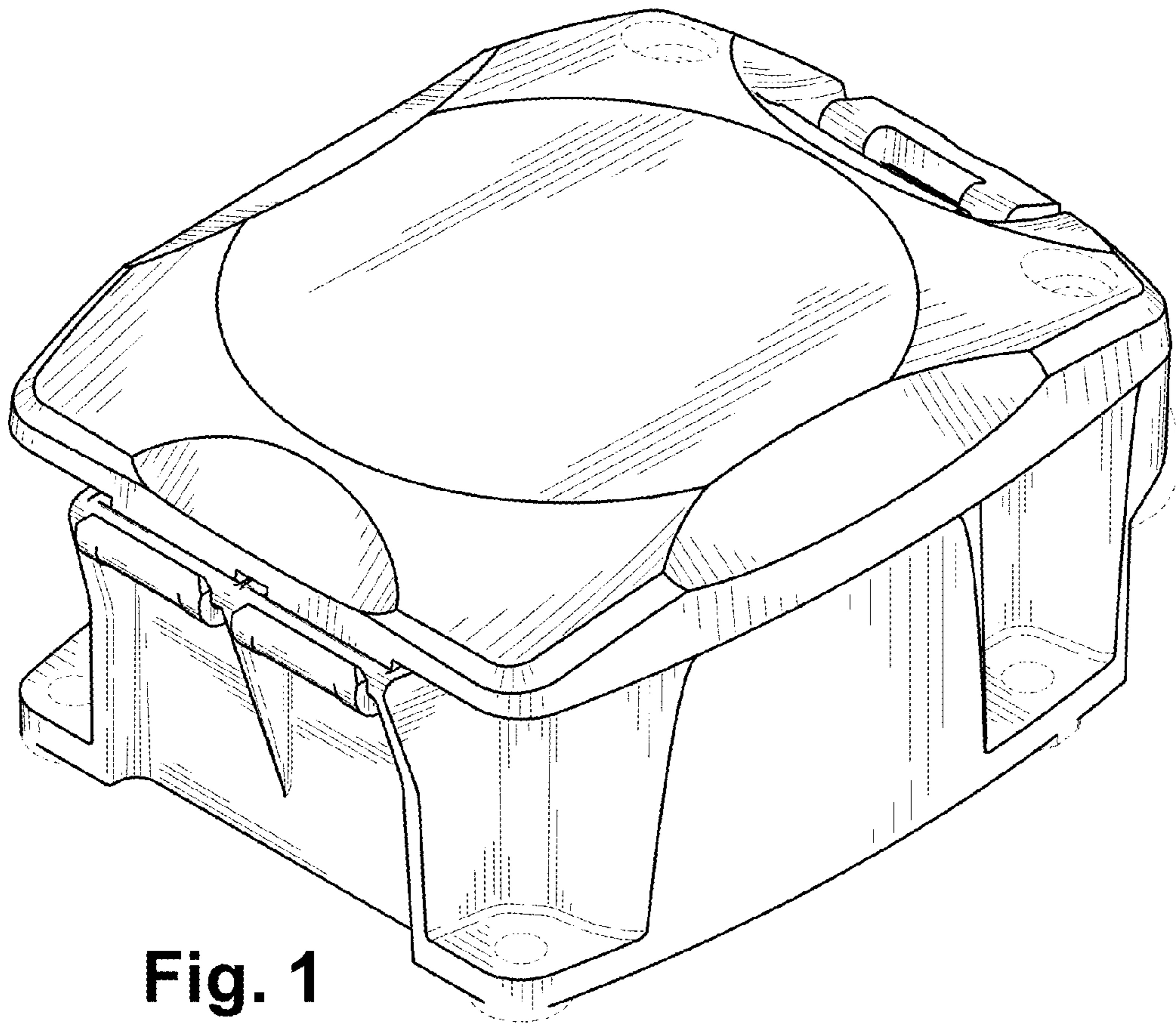


Fig. 1

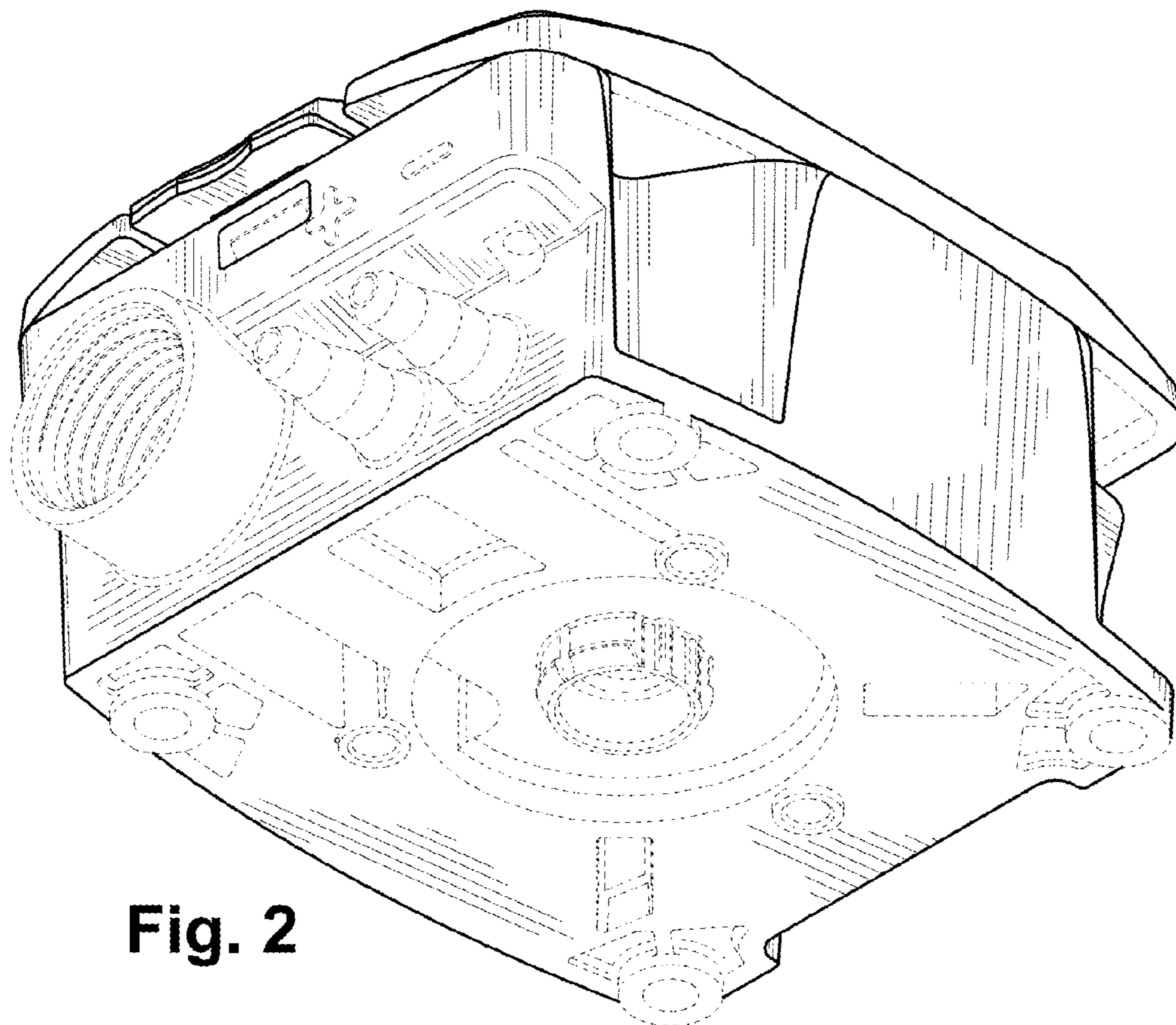


Fig. 2

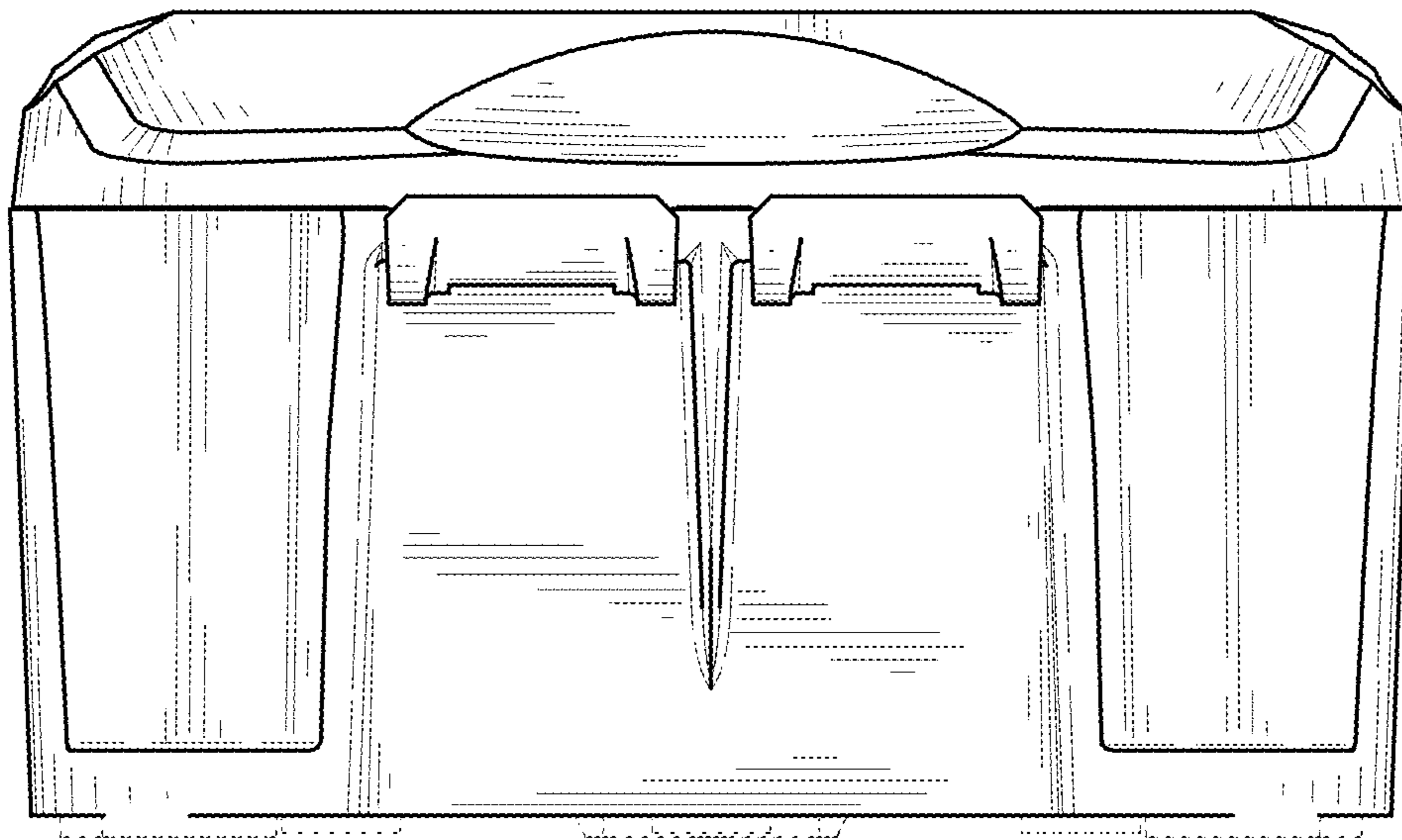


Fig. 3

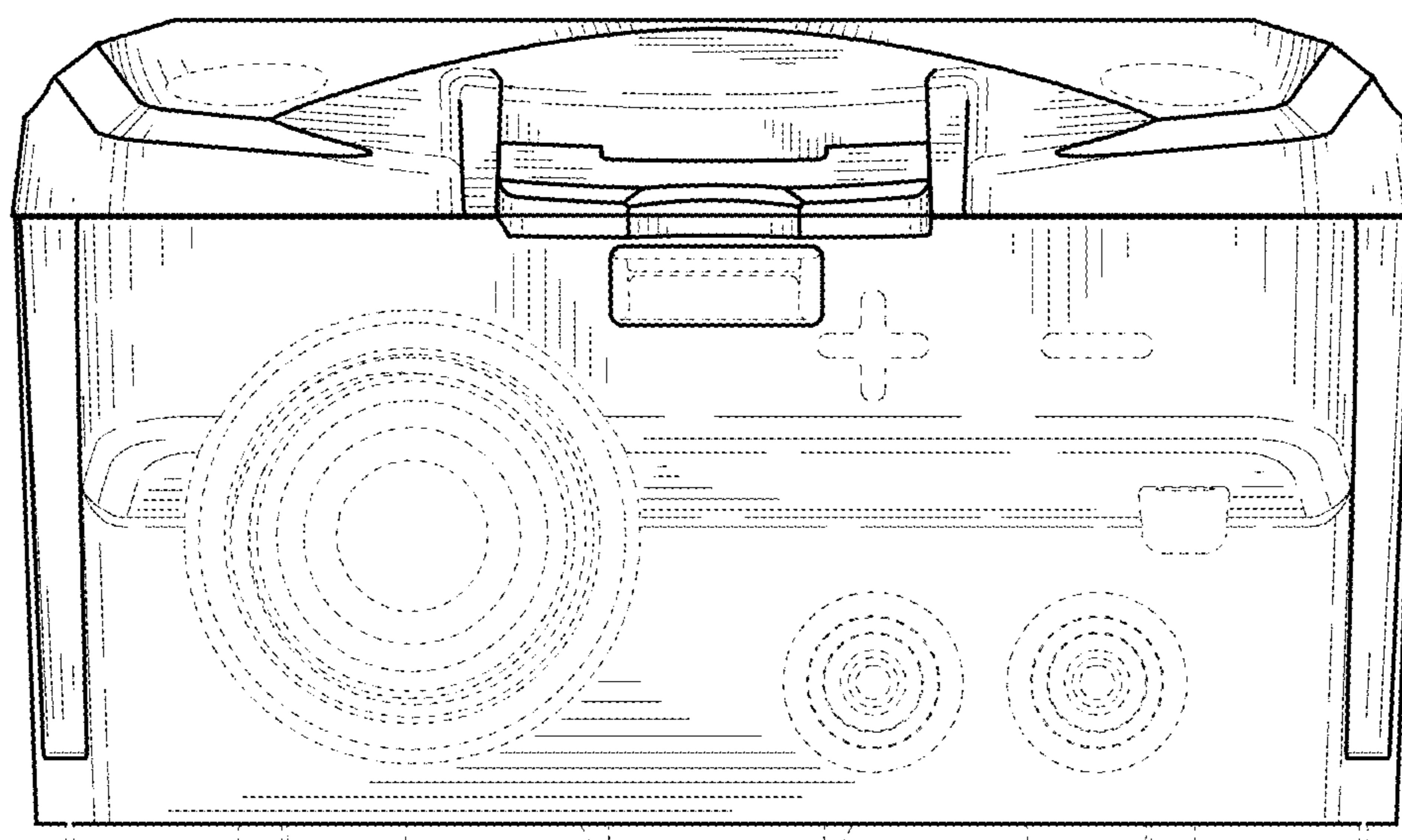


Fig. 4

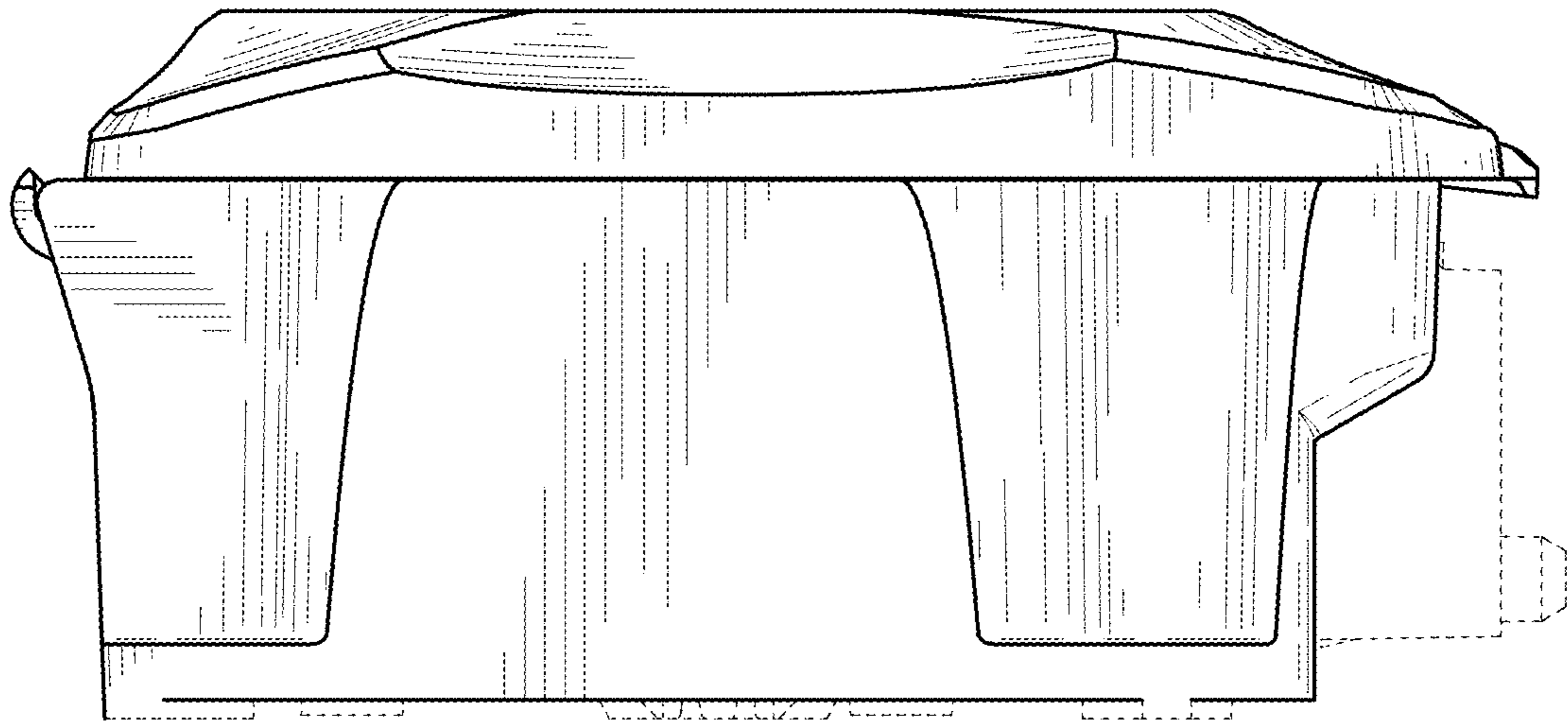


Fig. 5

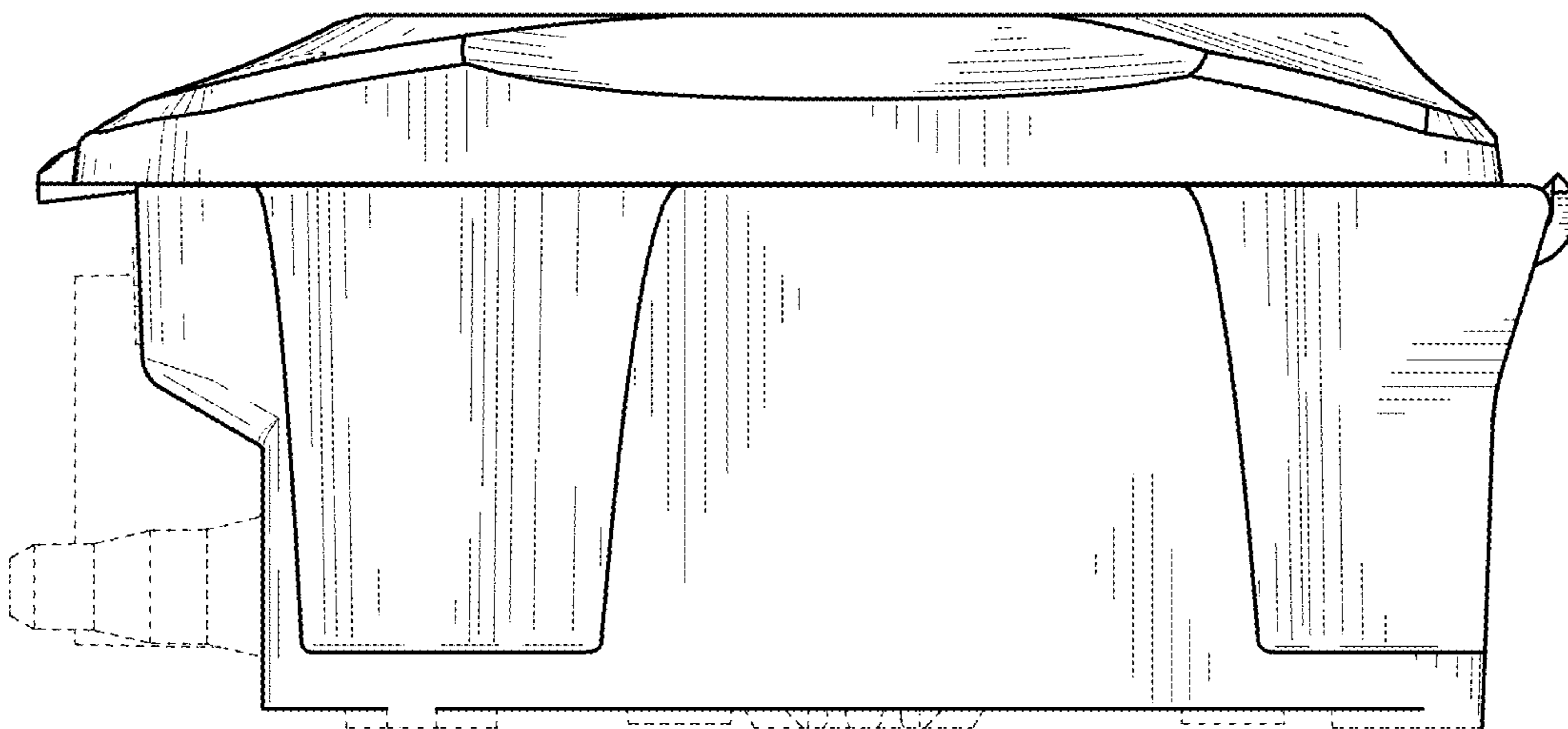


Fig. 6

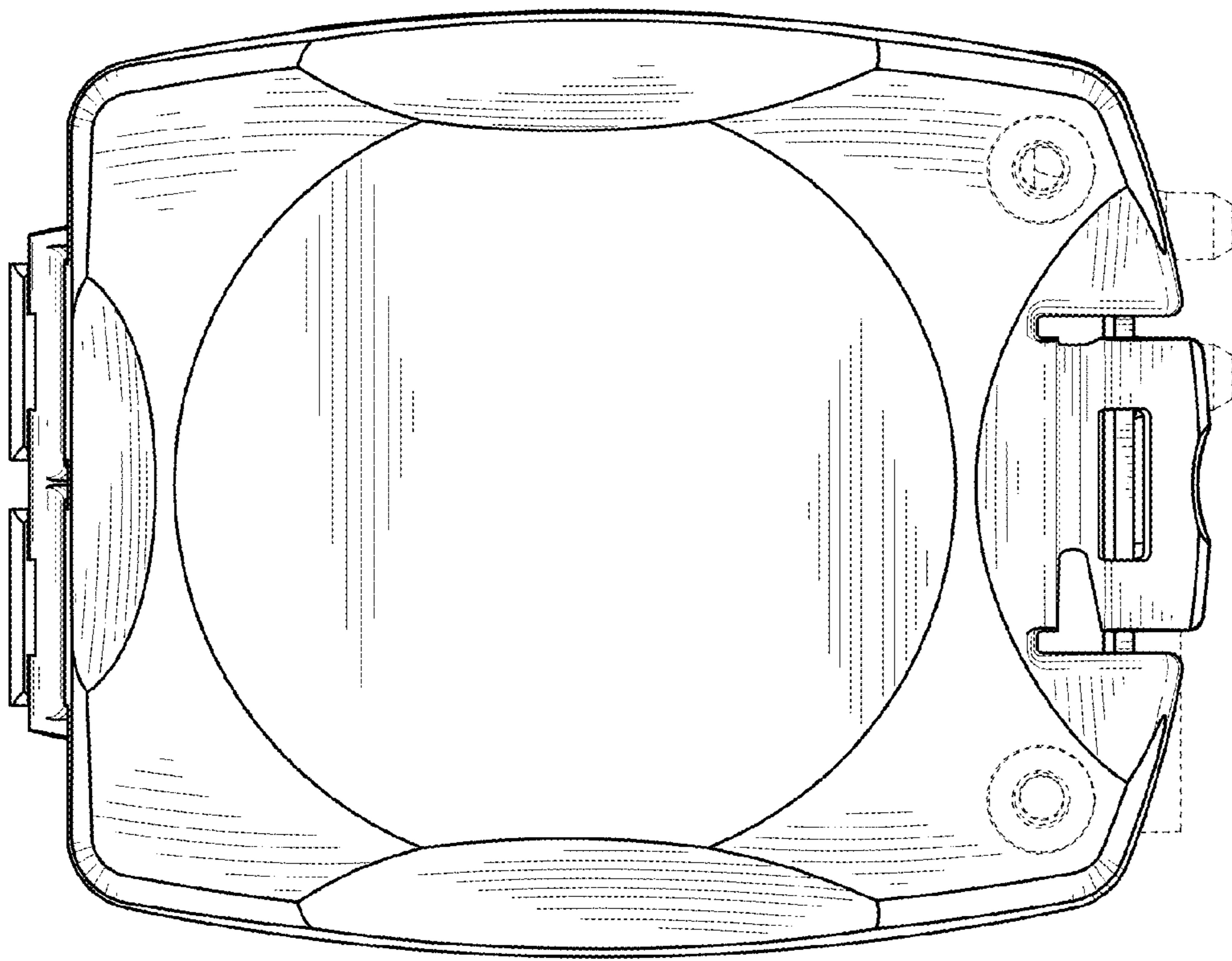


Fig. 7

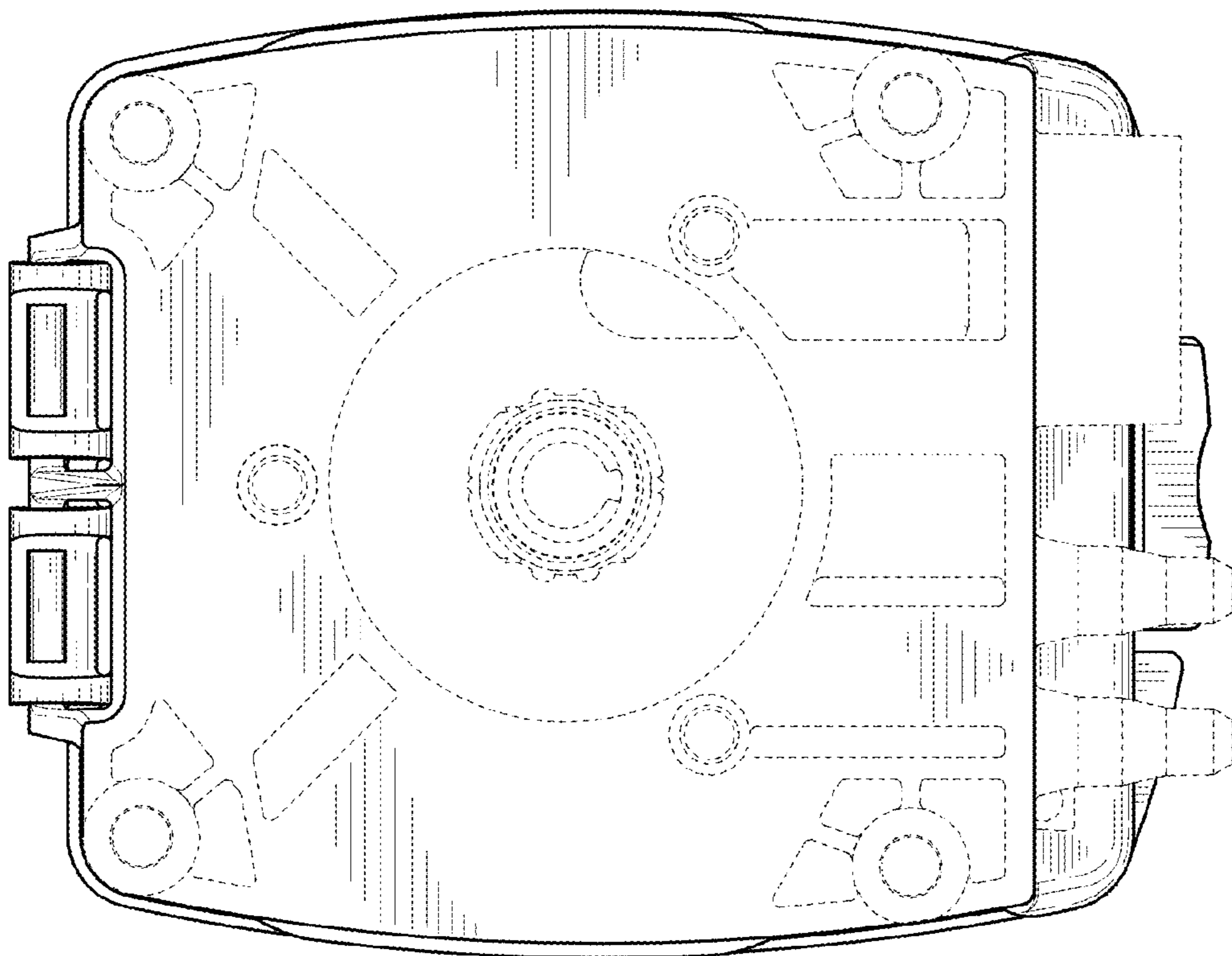


Fig. 8