



US00D904166S

(12) **United States Design Patent** (10) **Patent No.:** **US D904,166 S**
Jin (45) **Date of Patent:** **** Dec. 8, 2020**

(54) **SMART LOCK UNIT**

10,526,824 B2 * 1/2020 Farias E05B 15/02
D879,588 S * 3/2020 Singtoroj D8/331

(71) Applicant: **INNO ELECTRIC. INC**, Weihai (CN)

* cited by examiner

(72) Inventor: **Enmei Jin**, Incheon (KR)

Primary Examiner — Doris Clark

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

(74) *Attorney, Agent, or Firm* — ZANIP

(21) Appl. No.: **29/708,886**

(57) **CLAIM**

The ornamental design for a smart lock unit, as shown and described.

(22) Filed: **Oct. 10, 2019**

DESCRIPTION

(30) **Foreign Application Priority Data**

Apr. 16, 2019 (CN) 2019 3 0173172

(51) **LOC (12) Cl.** **08-07**

(52) **U.S. Cl.**
USPC **D8/331**

(58) **Field of Classification Search**
USPC D8/330, 331
CPC . Y10T 70/50; Y10T 70/5004; Y10T 70/5155;
Y10T 70/5199; E05B 47/06; E05B
47/0001; E05B 47/0615; E05B 47/0012;
E05B 47/0011; E05B 47/00; E05B 41/00;
E05B 51/00; E05B 53/00; E05B 65/0032;
E05B 2047/0014; E05B 2047/0068; E05B
63/16

See application file for complete search history.

FIG. 1 is a front perspective view of the smart lock unit, the broken lines and the number 9 on the top area serve to identify the location of drawing view 9, and do not form part of the claimed design;

FIG. 2 is a rear perspective view thereof, the broken lines and the number 10 on the top area serve to identify the location of drawing view 10, and do not form part of the claimed design;

FIG. 3 is a front elevational view thereof, the broken lines and the number 11 on the top area serve to identify the location of drawing view 11, and do not form part of the claimed design;

FIG. 4 is a rear elevational view thereof, the broken lines and the number 12 on the top area serve to identify the location of drawing view 12, and do not form part of the claimed design;

FIG. 5 is a left side elevational view thereof;

FIG. 6 is a right side elevational view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is an enlarged view of a portion indicated in FIG. 1;

FIG. 10 is an enlarged view of a portion indicated in FIG. 2;

FIG. 11 is an enlarged view of a portion indicated in FIGS. 3; and,

FIG. 12 is an enlarged view of a portion indicated in FIG. 4.

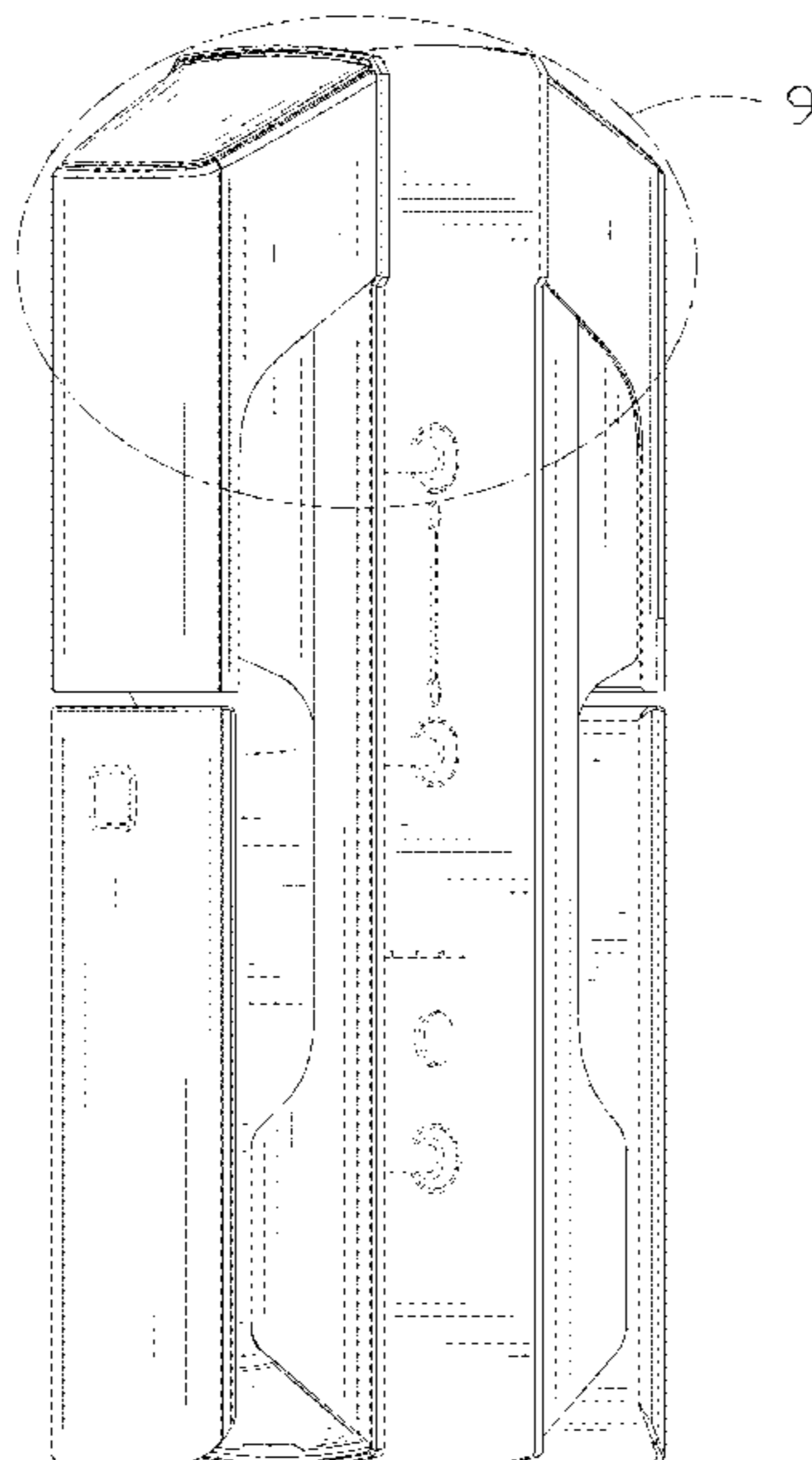
The broken lines in the figures illustrate portions of the smart lock unit that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,681,424 B2 * 3/2010 Antonucci E05C 3/042
70/208
D693,206 S * 11/2013 Mostert D8/350
9,187,929 B2 * 11/2015 Webb E05C 1/16
9,528,299 B2 * 12/2016 Yoon E05B 55/00
D811,852 S * 3/2018 Xin D8/331
9,982,462 B2 * 5/2018 Lin H02K 7/116

1 Claim, 12 Drawing Sheets



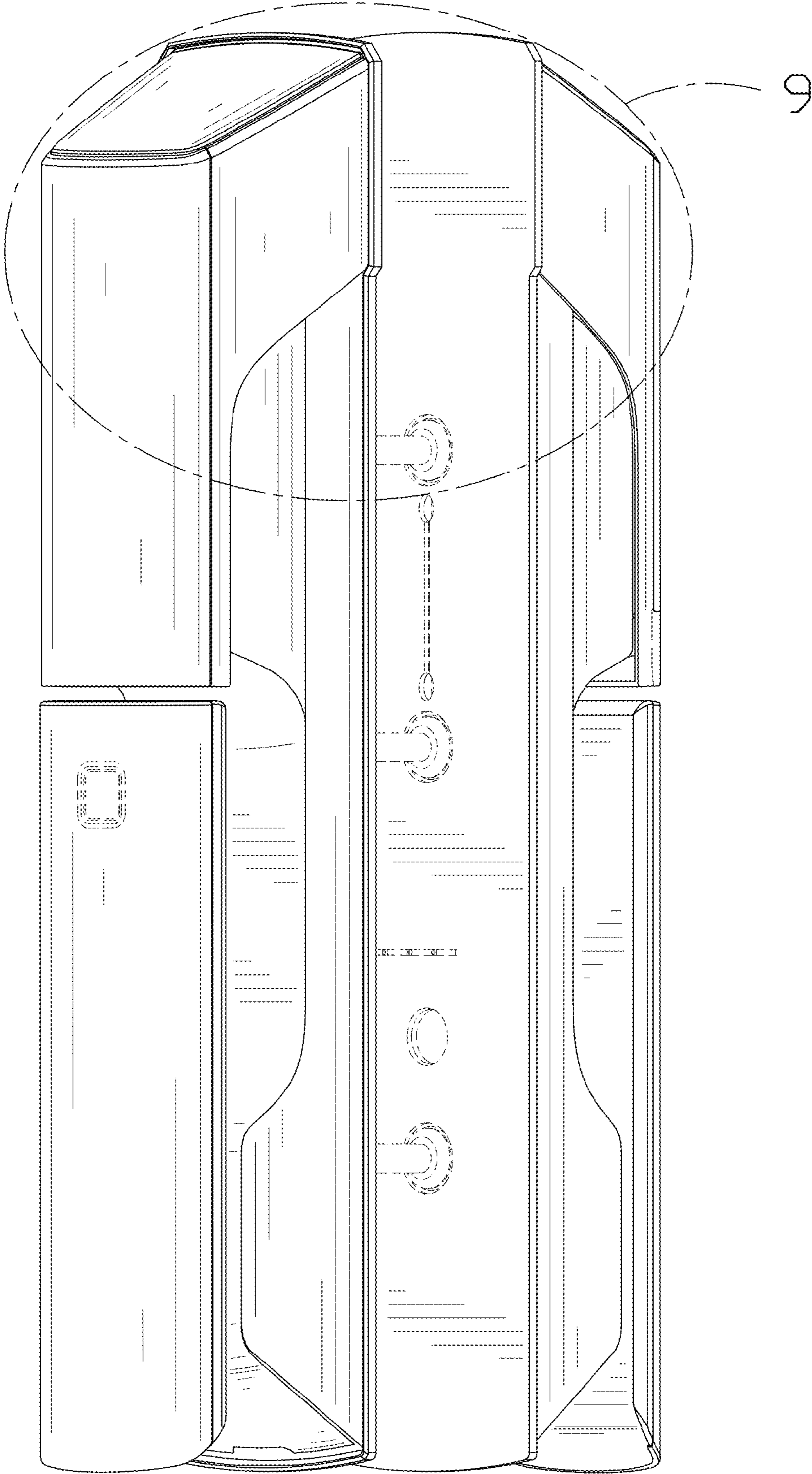


FIG. 1

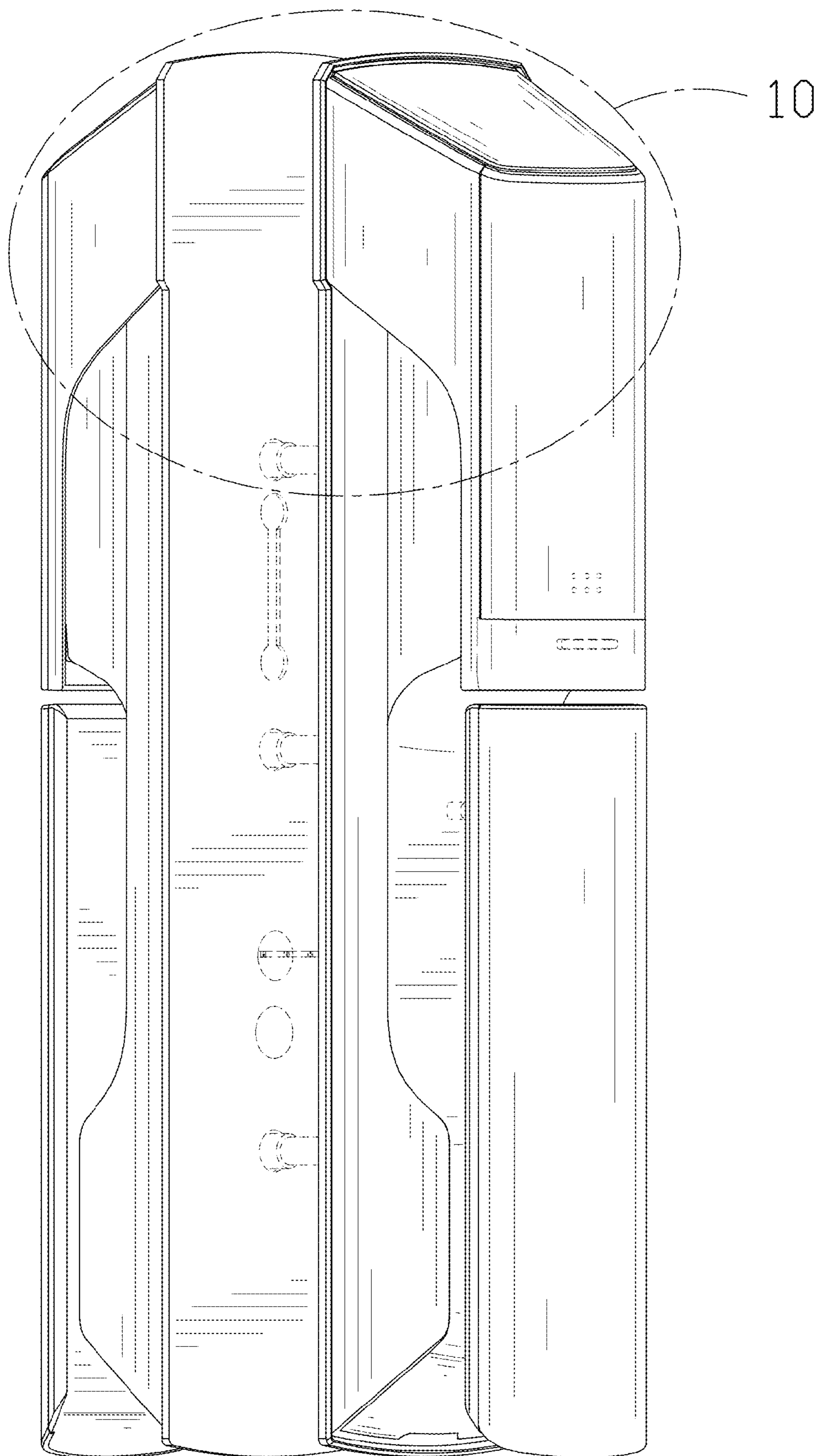


FIG. 2

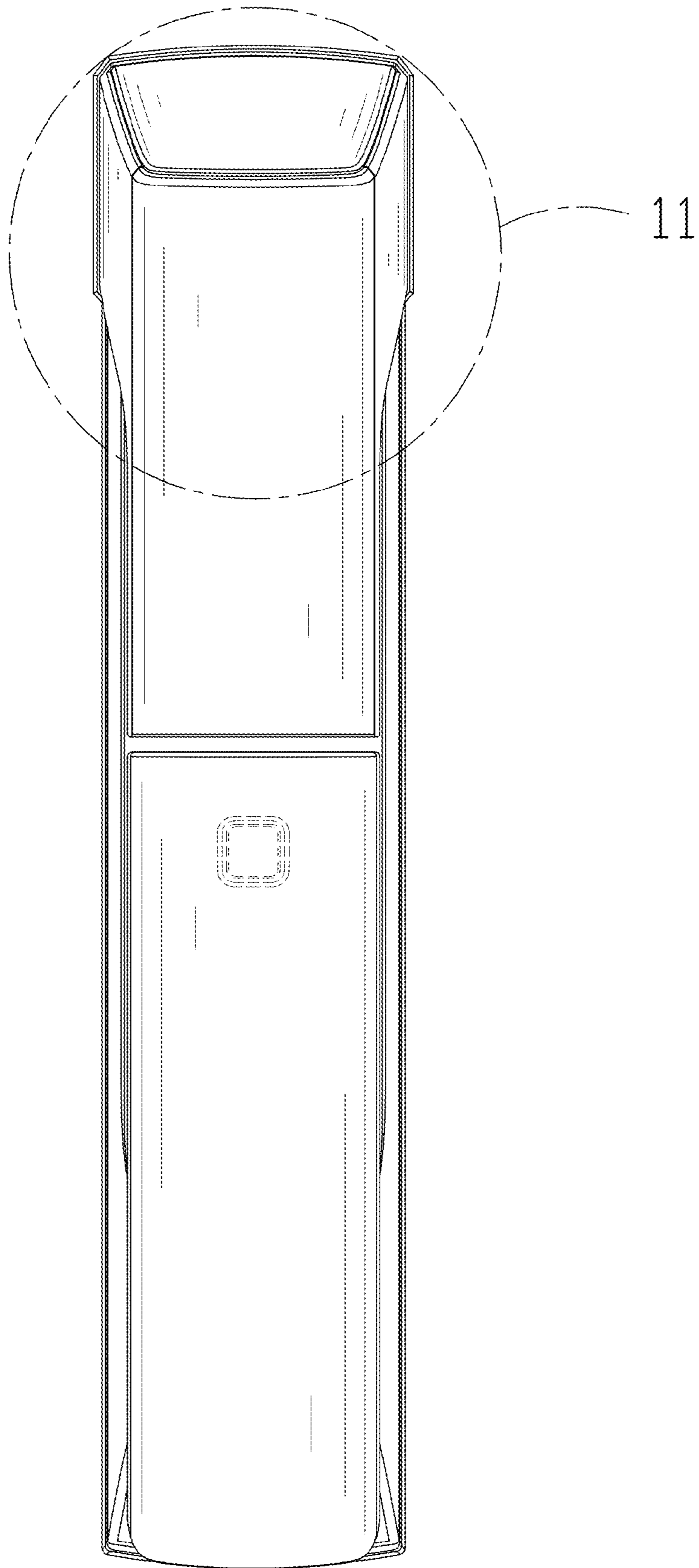


FIG. 3

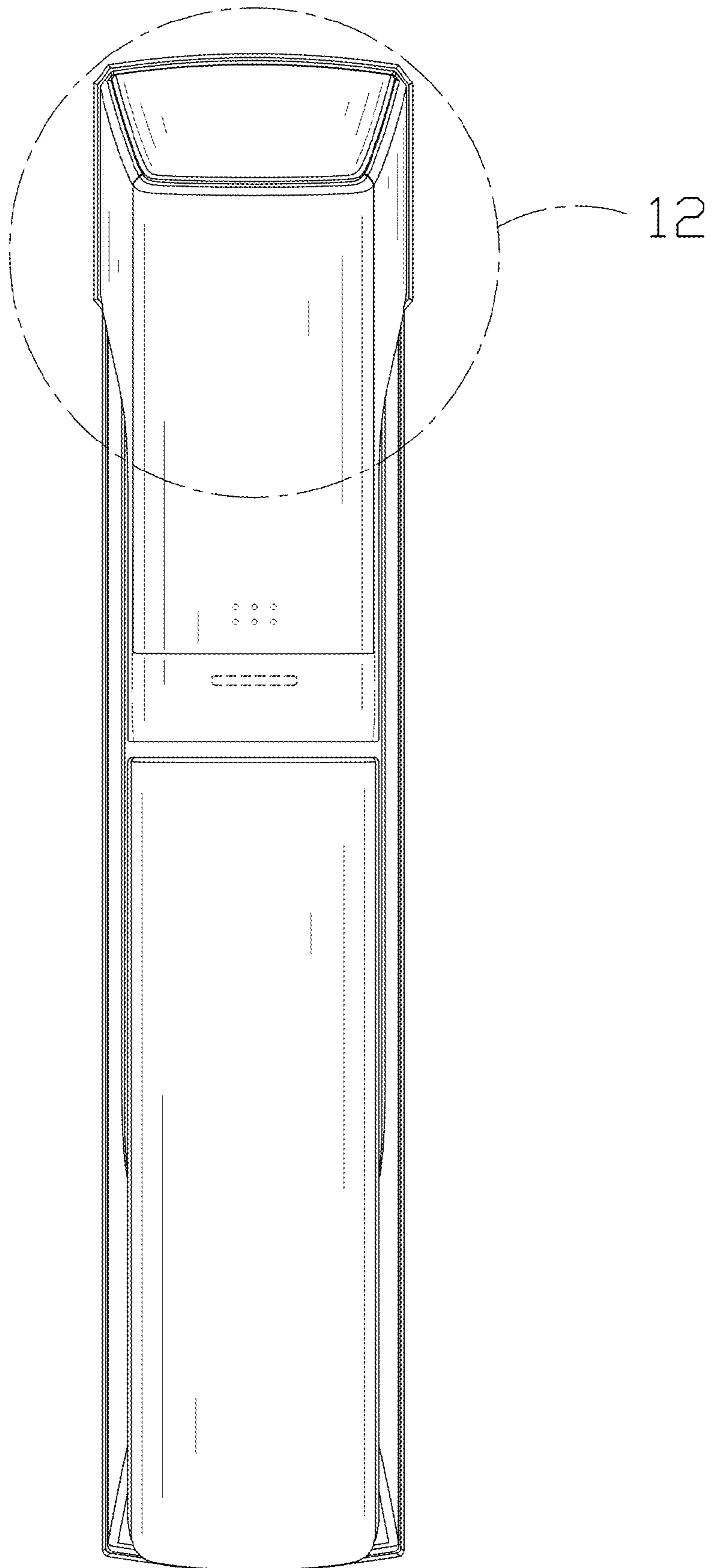


FIG. 4

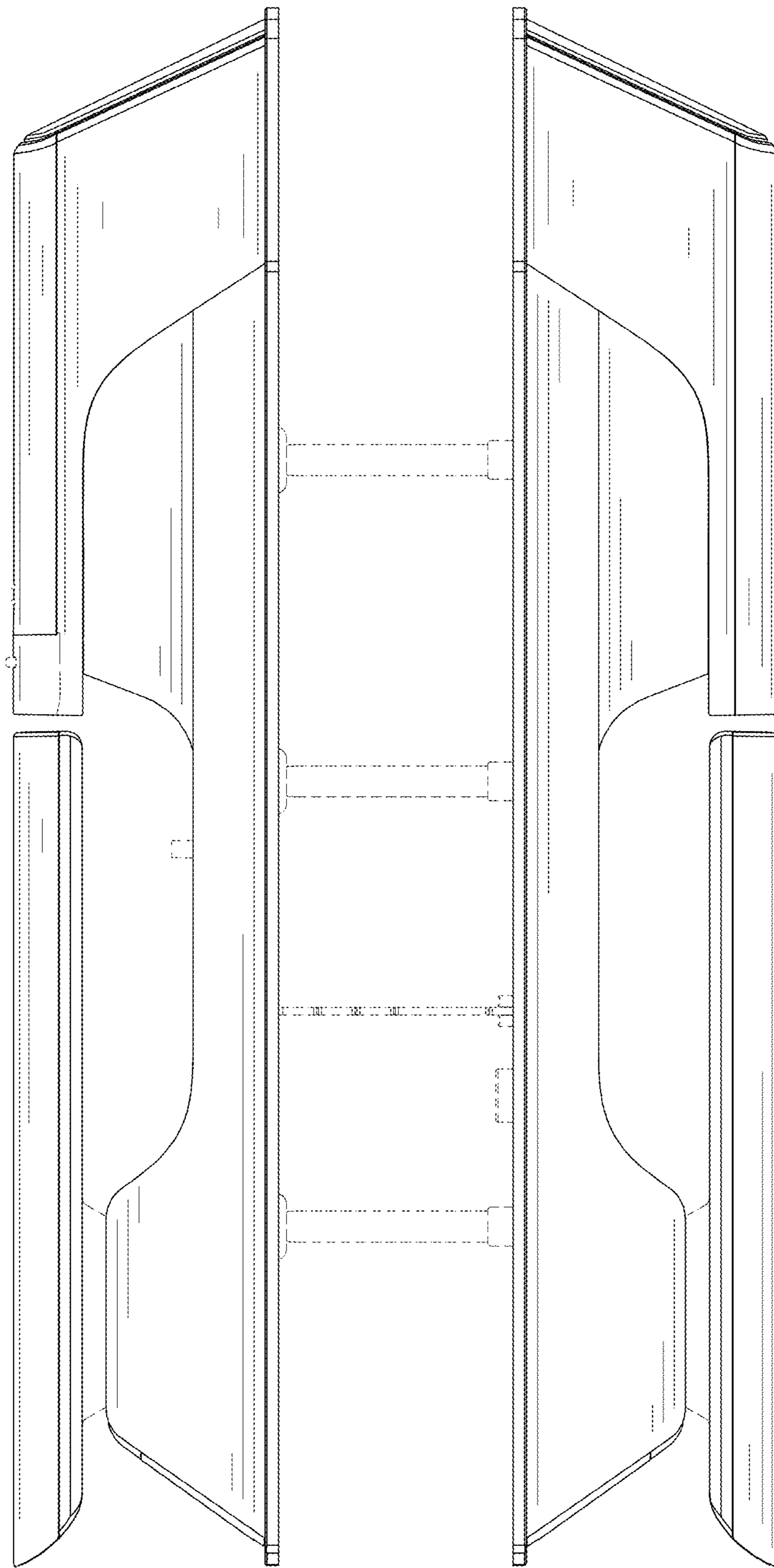


FIG. 5

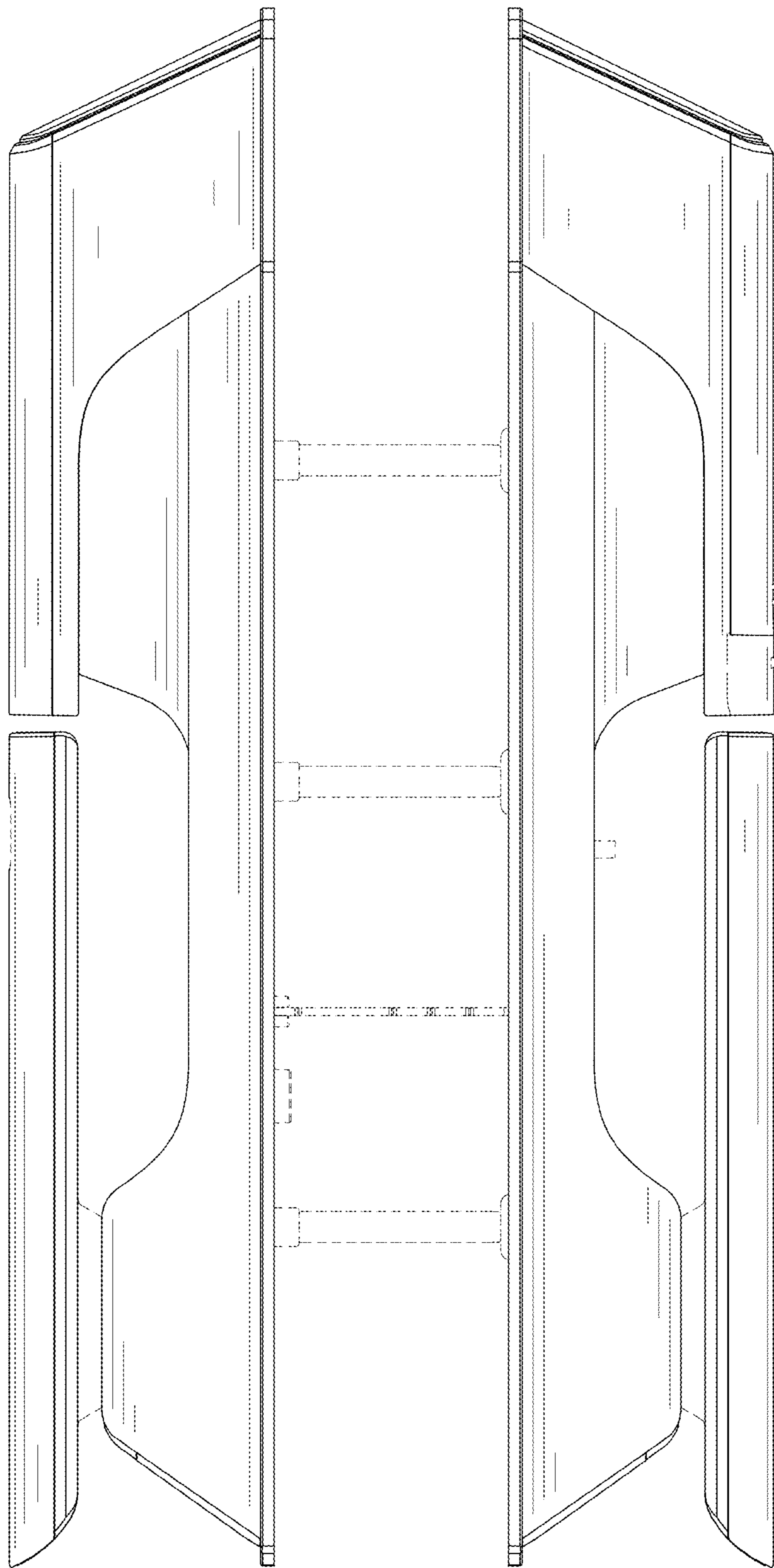


FIG. 6

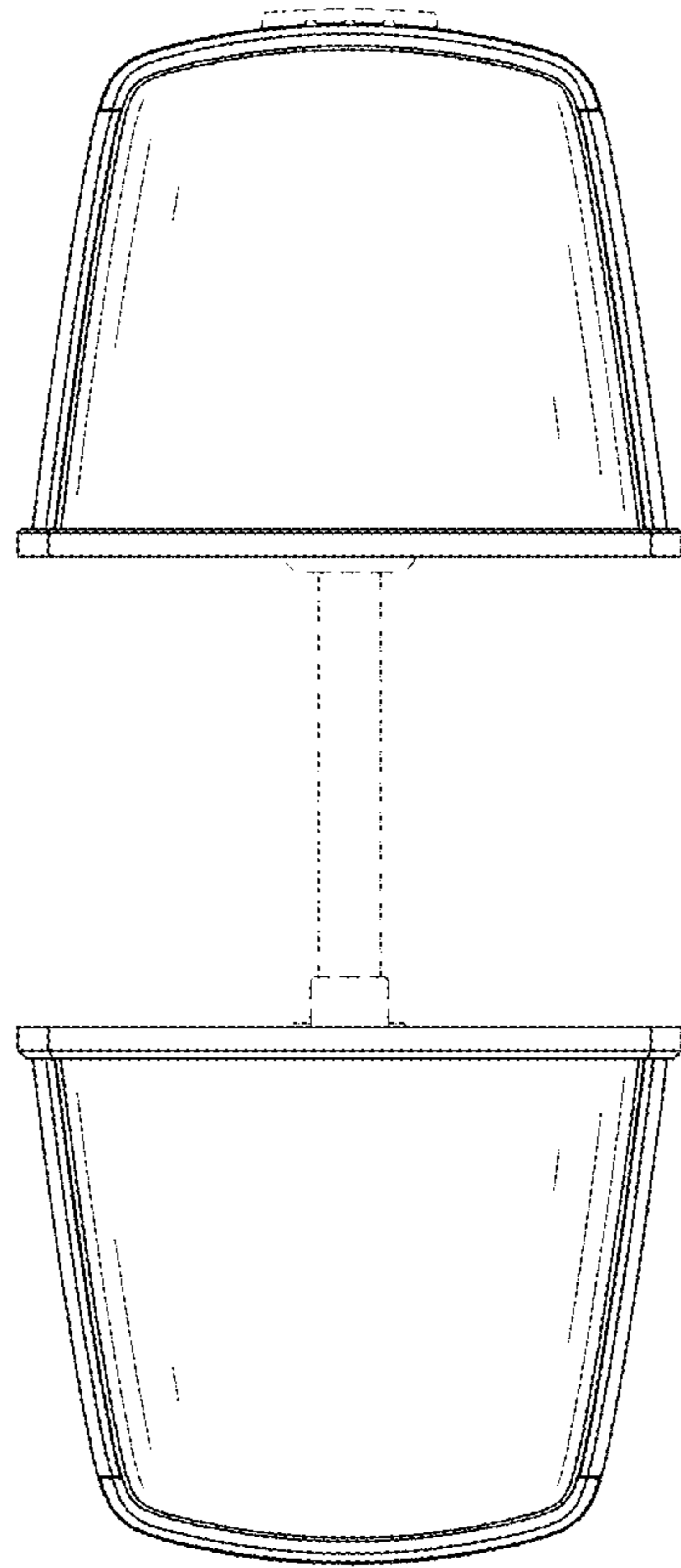


FIG. 7

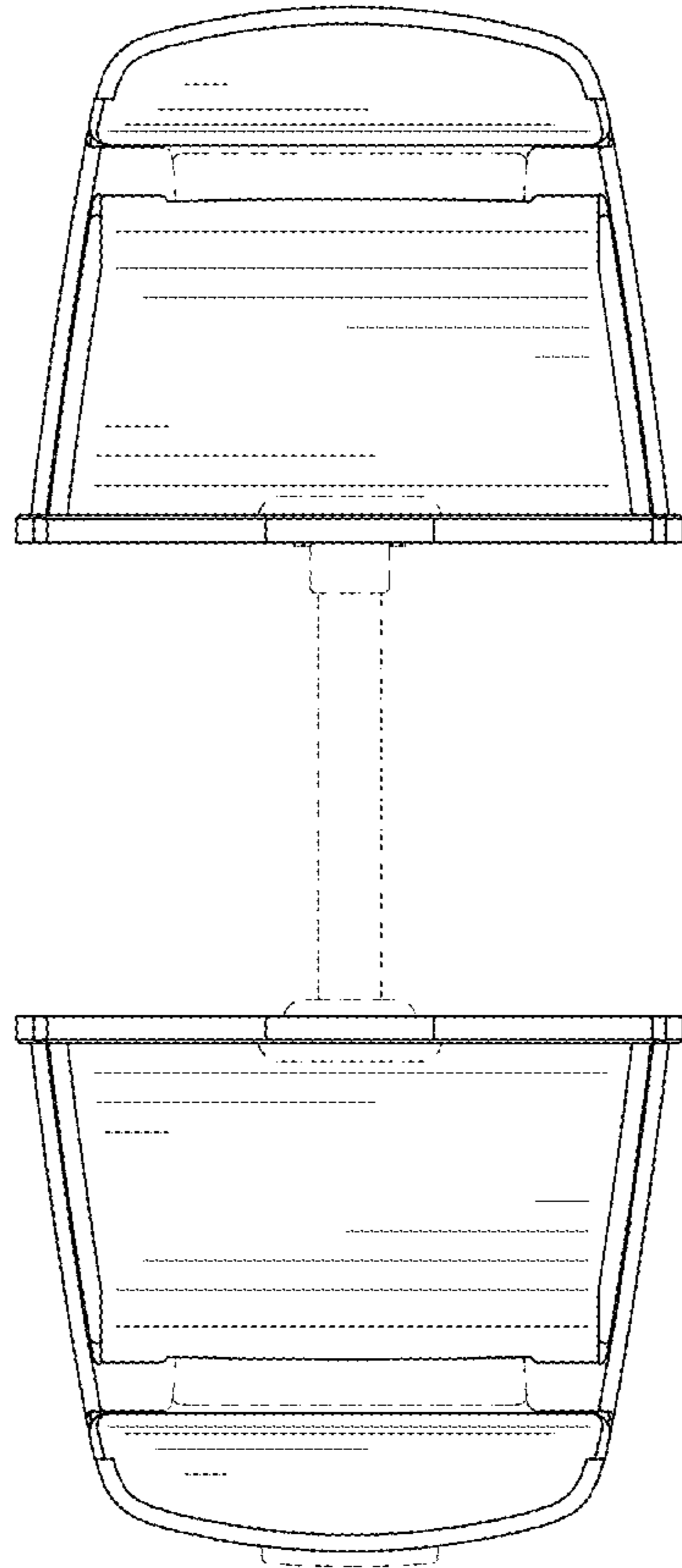


FIG. 8

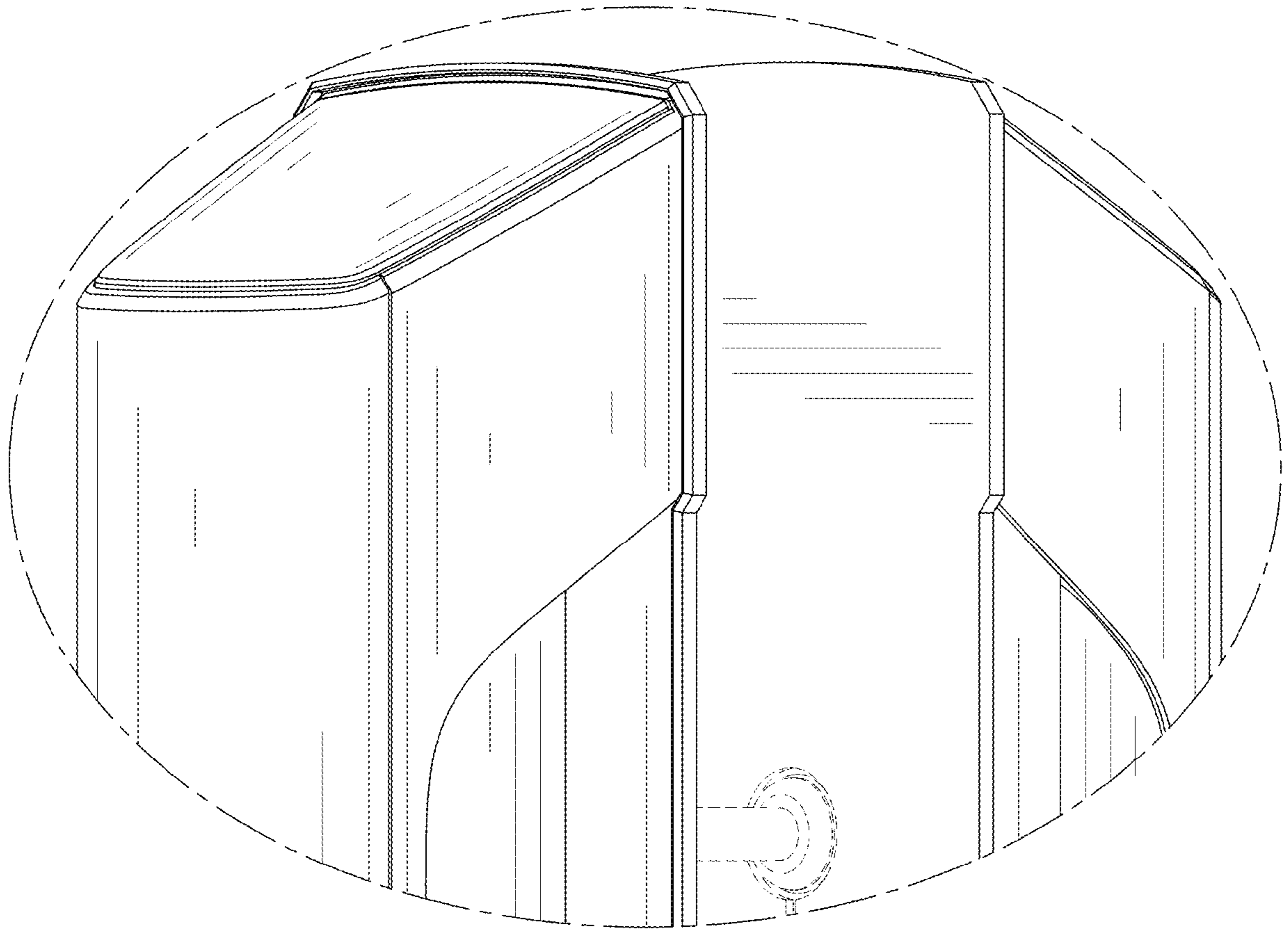


FIG. 9

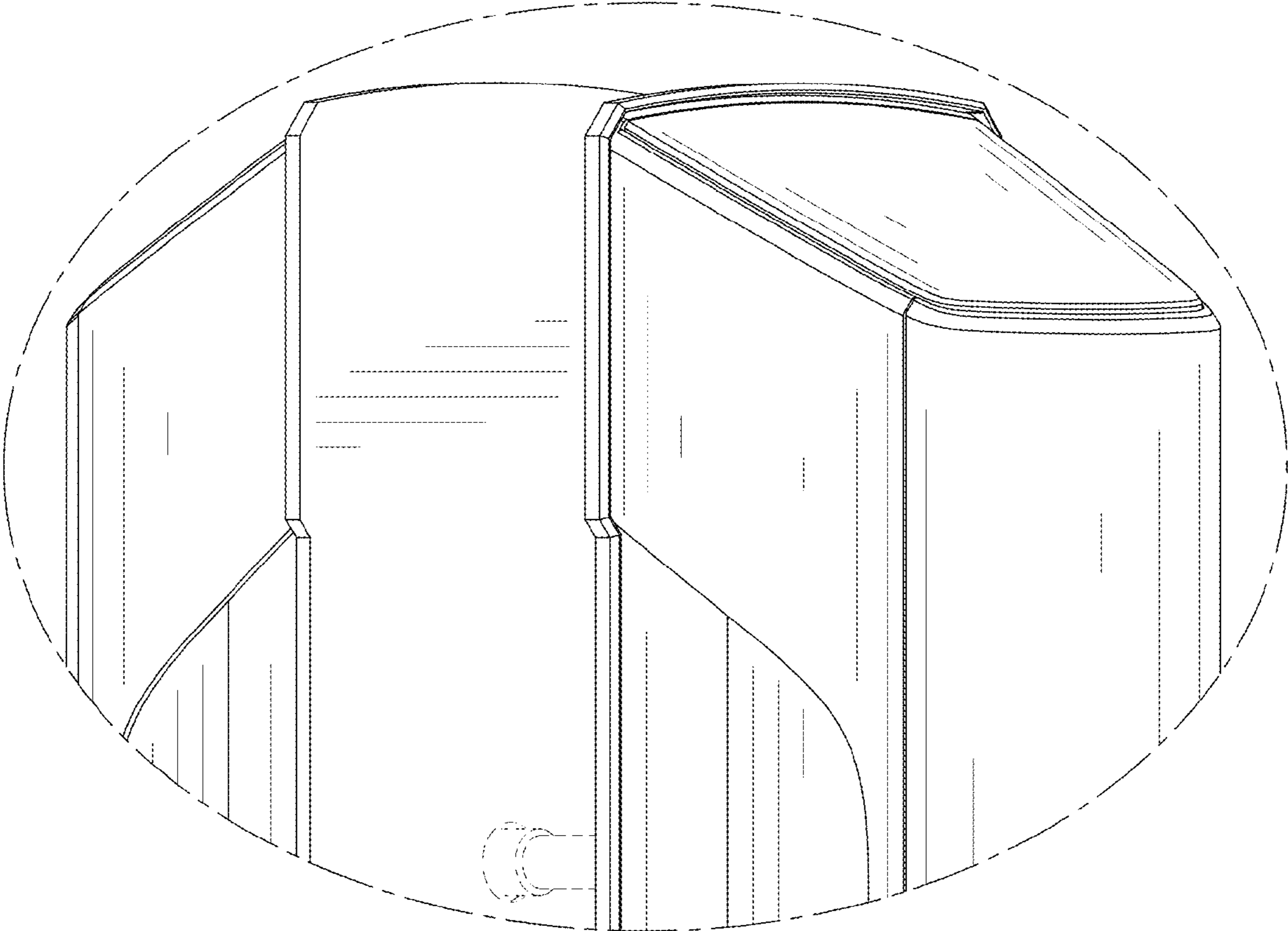


FIG. 10

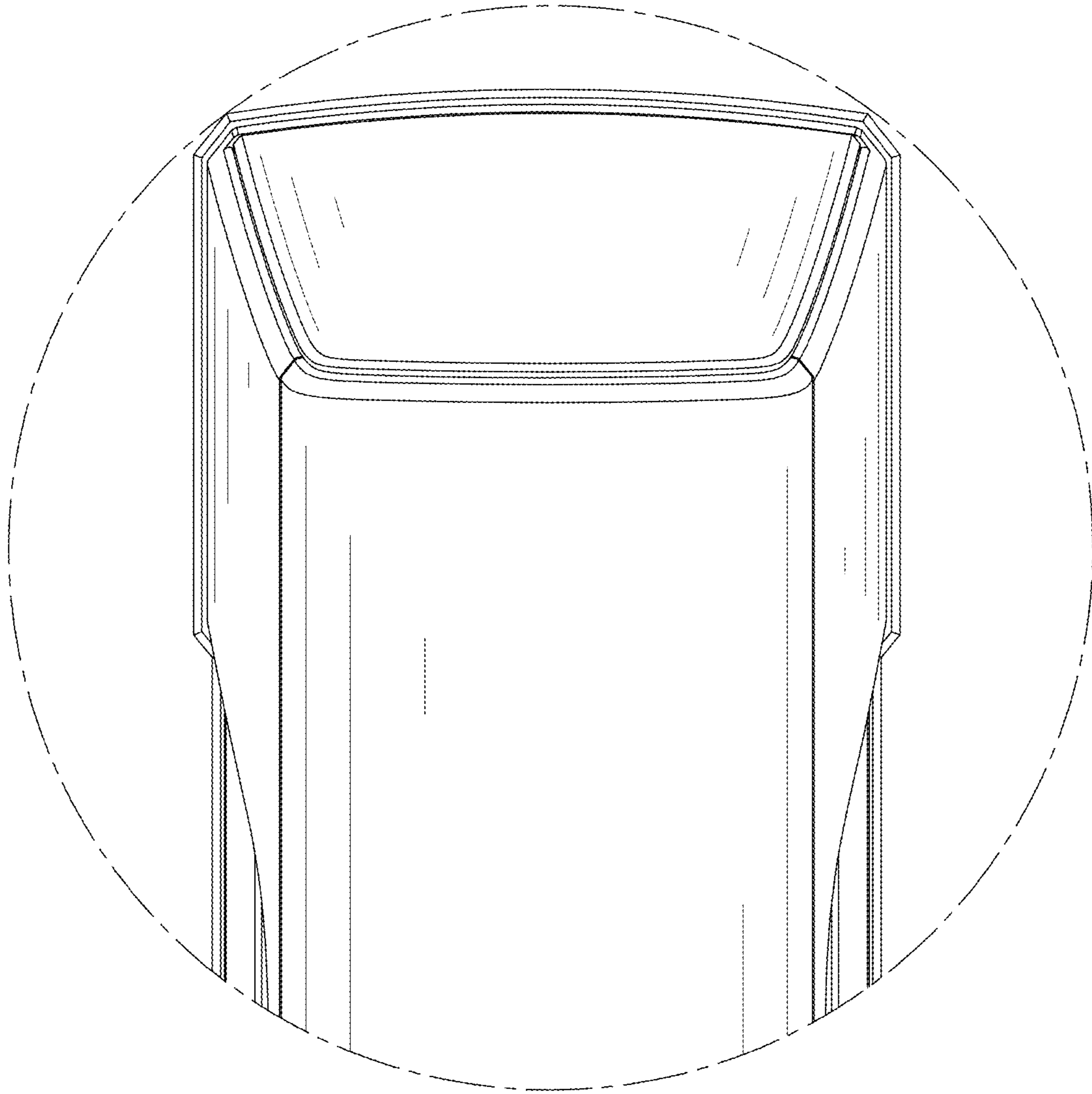


FIG. 11

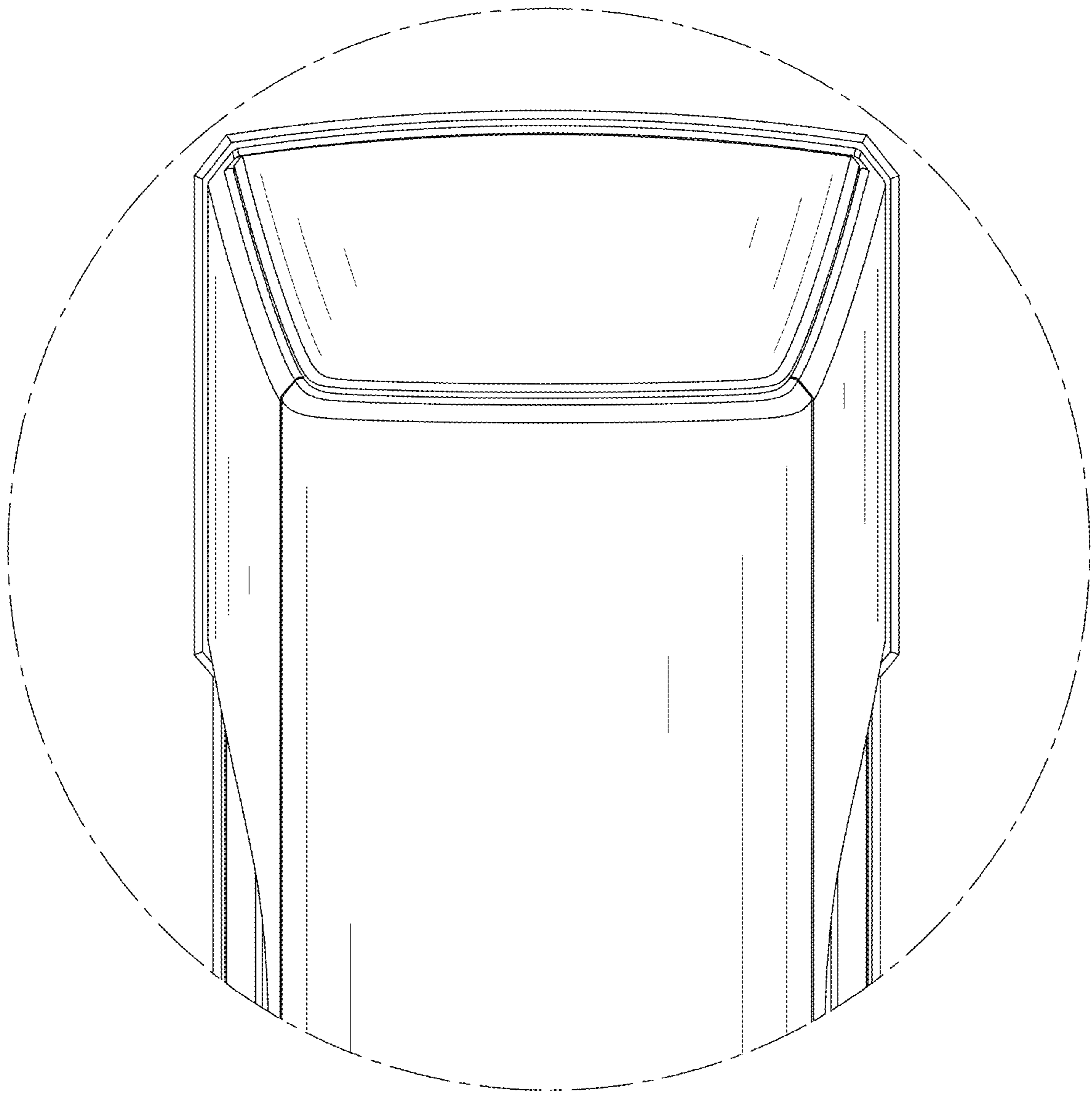


FIG. 12