



US00D853748S

(12) **United States Design Patent** (10) **Patent No.:** **US D853,748 S**  
**Zou** (45) **Date of Patent:** **\*\* Jul. 16, 2019**

(54) **AUTOMATIC SOAP DISPENSER**  
(71) Applicant: **Lan Zou**, Guangdong (CN)  
(72) Inventor: **Lan Zou**, Guangdong (CN)  
(73) Assignee: **Shenzhen Tuozhi Technology Co., Ltd.**, Shenzhen, Guangdong (CN)  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/648,779**  
(22) Filed: **May 24, 2018**  
(51) **LOC (11) Cl.** ..... **23-02**  
(52) **U.S. Cl.**  
USPC ..... **D6/542**  
(58) **Field of Classification Search**  
USPC ..... D6/542-545; 206/77.1; 221/96, 132;  
222/92, 105, 173, 180, 181.1, 181.2,  
222/181.3, 282, 283; D9/682, 688, 690,  
D9/291, 448, 449  
CPC ..... B01L 3/52; B05B 11/3014; B05B 9/0403;  
B05B 9/0426; C11D 17/08; A45D 19/02;  
A47K 5/12; A47K 5/1202; A47K 5/1211;  
B67D 7/0255; B01F 15/0243; B01F  
15/0254; B01F 5/12; B01F 5/20; B05D  
5/00  
See application file for complete search history.

D622,526 S \* 8/2010 Dai ..... D6/542  
D626,365 S \* 11/2010 Yang ..... D6/542  
D659,452 S \* 5/2012 Yang ..... D6/542  
D660,061 S \* 5/2012 Fernandes ..... D6/542  
D661,531 S \* 6/2012 Tompkin ..... D6/542  
D663,983 S \* 7/2012 Yang ..... D6/542  
D674,636 S \* 1/2013 Yang ..... D6/542  
D690,130 S \* 9/2013 Clough ..... D6/542  
D690,131 S \* 9/2013 Clough ..... D6/542  
D693,597 S \* 11/2013 Yang ..... D6/542  
D699,047 S \* 2/2014 Lissoni ..... D6/542  
D699,475 S \* 2/2014 Yang ..... D6/542  
D727,653 S \* 4/2015 Bjerre-Poulsen ..... D6/542  
D732,308 S \* 6/2015 Enga ..... D6/542  
D770,798 S \* 11/2016 Yang ..... D6/542  
D793,762 S \* 8/2017 Yuan ..... D6/542  
D818,741 S \* 5/2018 Yang ..... D6/542  
2015/0238053 A1 \* 8/2015 Yang ..... A47K 5/1217  
222/23

\* cited by examiner

*Primary Examiner* — David G Muller  
*Assistant Examiner* — Nathan M Johnston

(57) **CLAIM**

The ornamental design for a automatic soap dispenser, as shown and described.

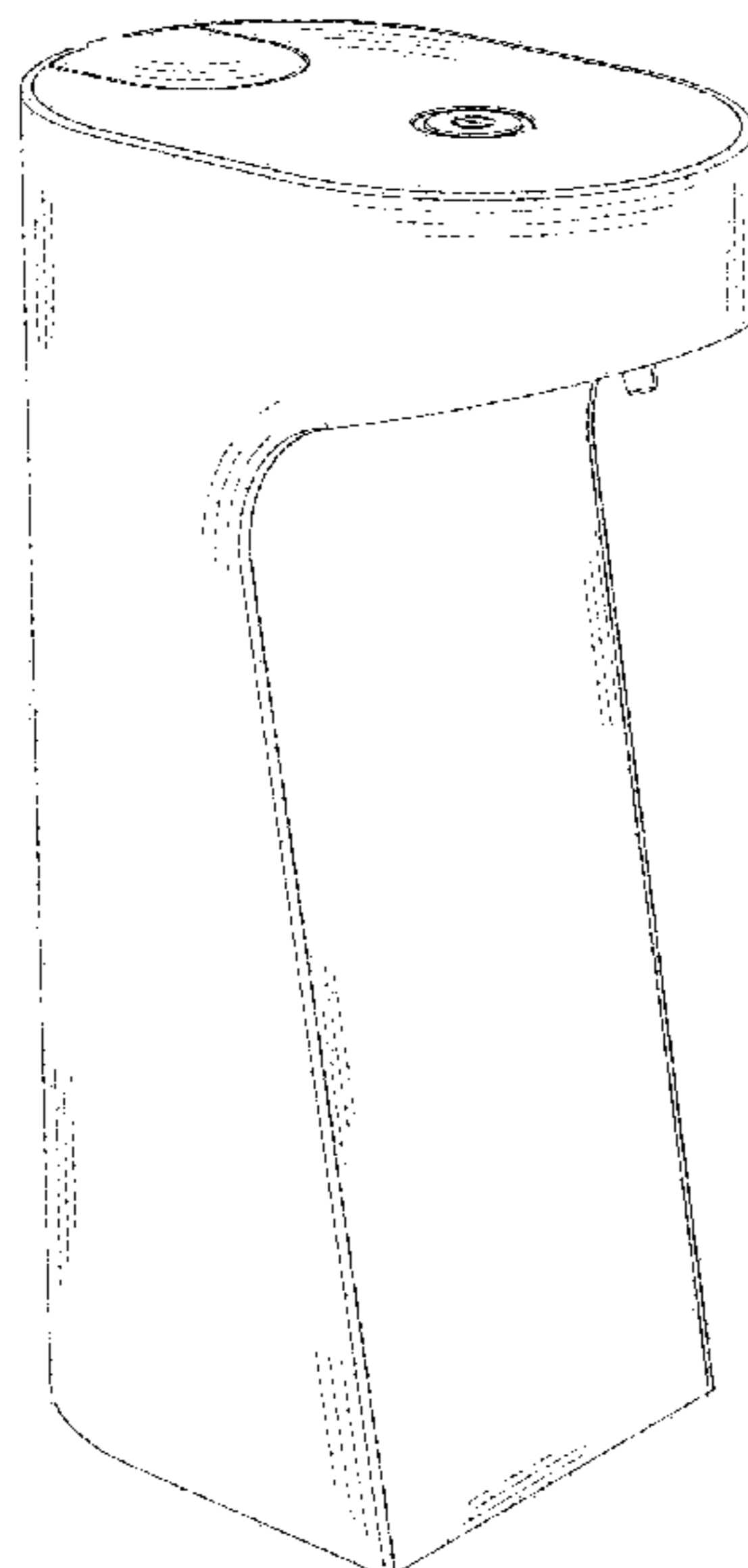
**DESCRIPTION**

FIG. 1 is a front, top, and left side perspective view of a automatic soap dispenser showing my new design;  
FIG. 2 is a front, bottom, and left side perspective view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
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; and,  
FIG. 8 is a bottom plan view thereof.

**1 Claim, 8 Drawing Sheets**

(56) **References Cited**  
U.S. PATENT DOCUMENTS

D213,978 S \* 4/1969 Flowers ..... D6/543  
D241,592 S \* 9/1976 Schick ..... D6/543  
D426,413 S \* 6/2000 Kreitemier ..... D6/543  
D531,440 S \* 11/2006 Lo ..... D6/542  
D531,845 S \* 11/2006 Christianson ..... D6/542  
D564,273 S \* 3/2008 Yang ..... D6/542  
D593,784 S \* 6/2009 Chan ..... D6/542  
D608,578 S \* 1/2010 Yang ..... D6/542



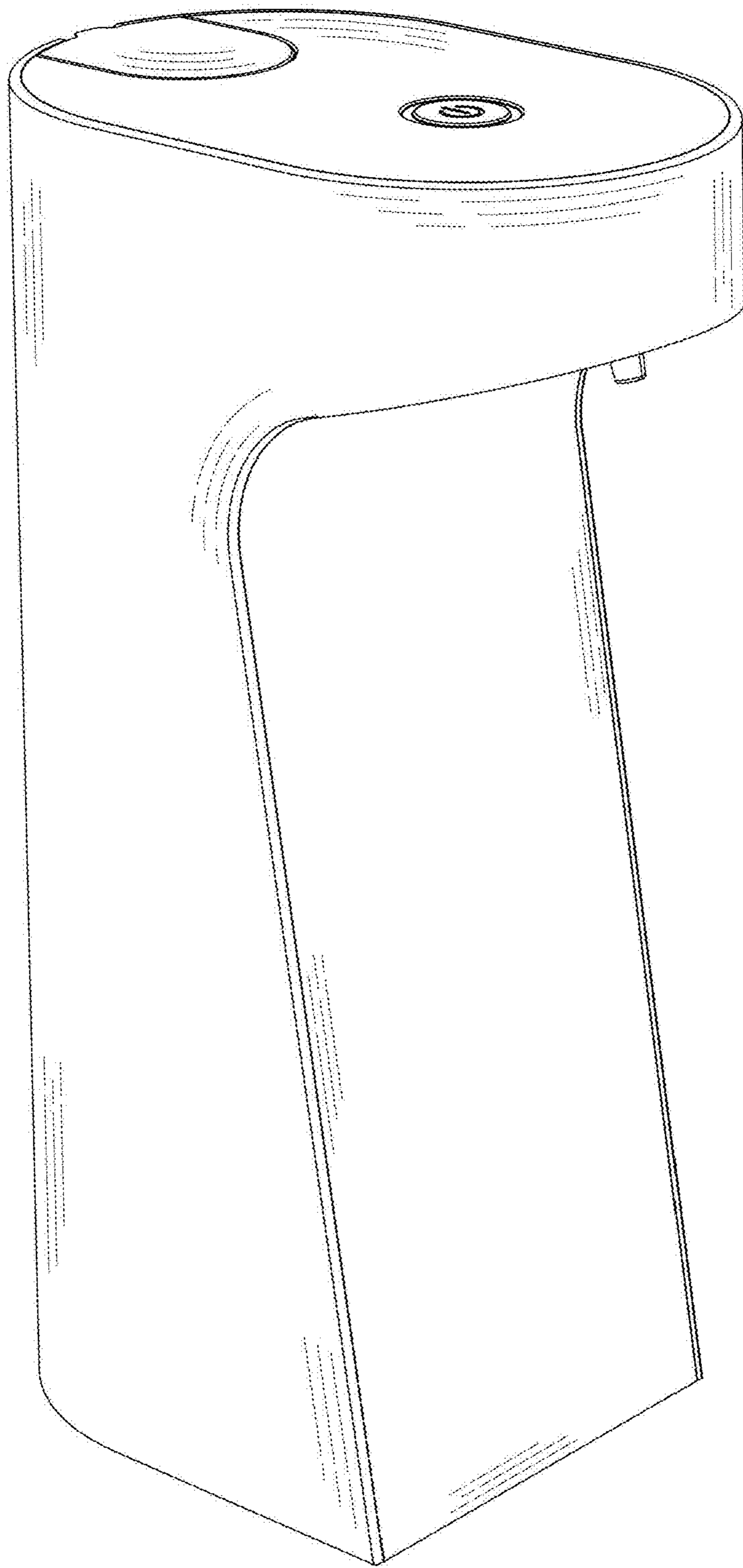


FIG.1

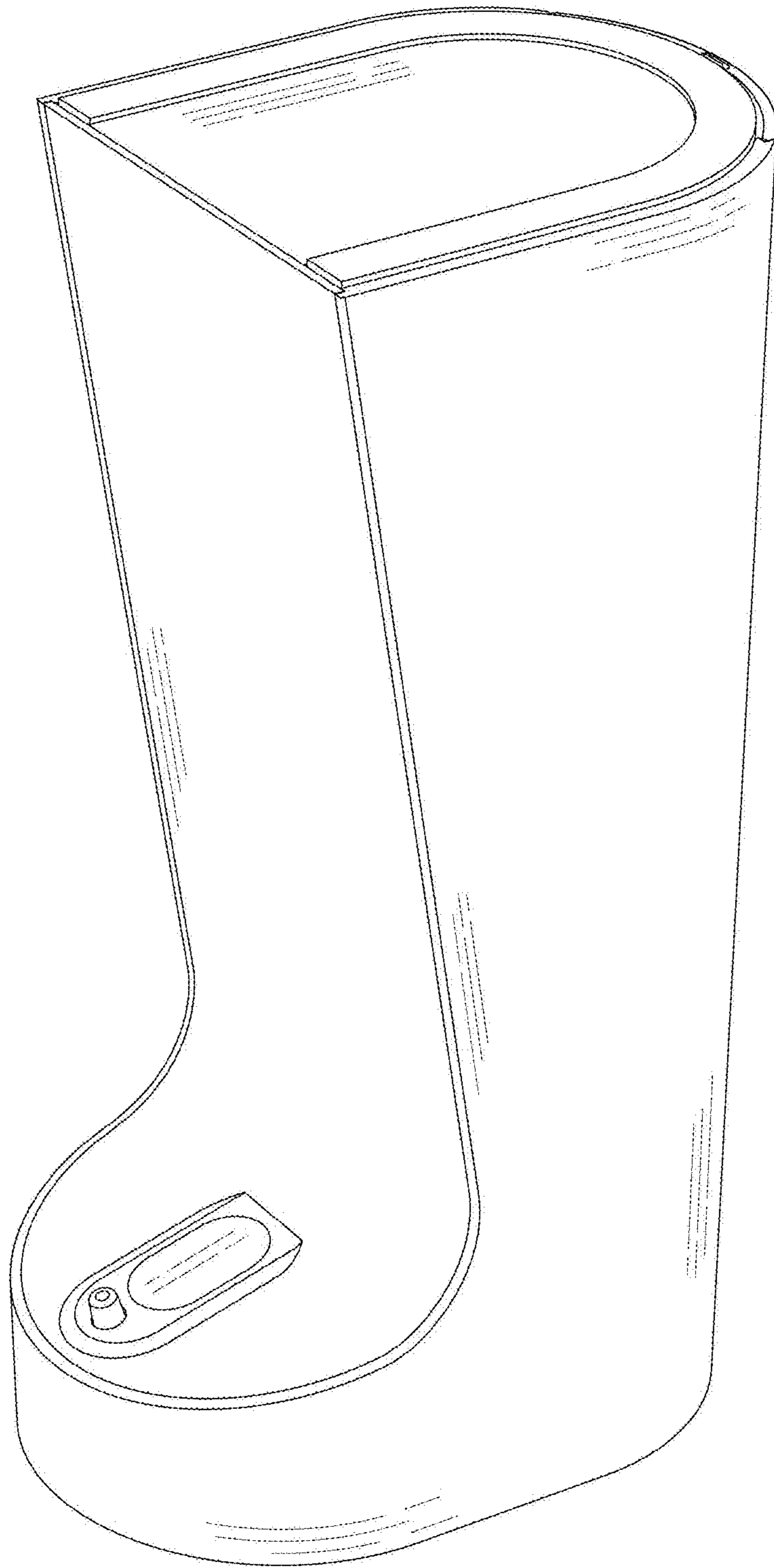


FIG.2

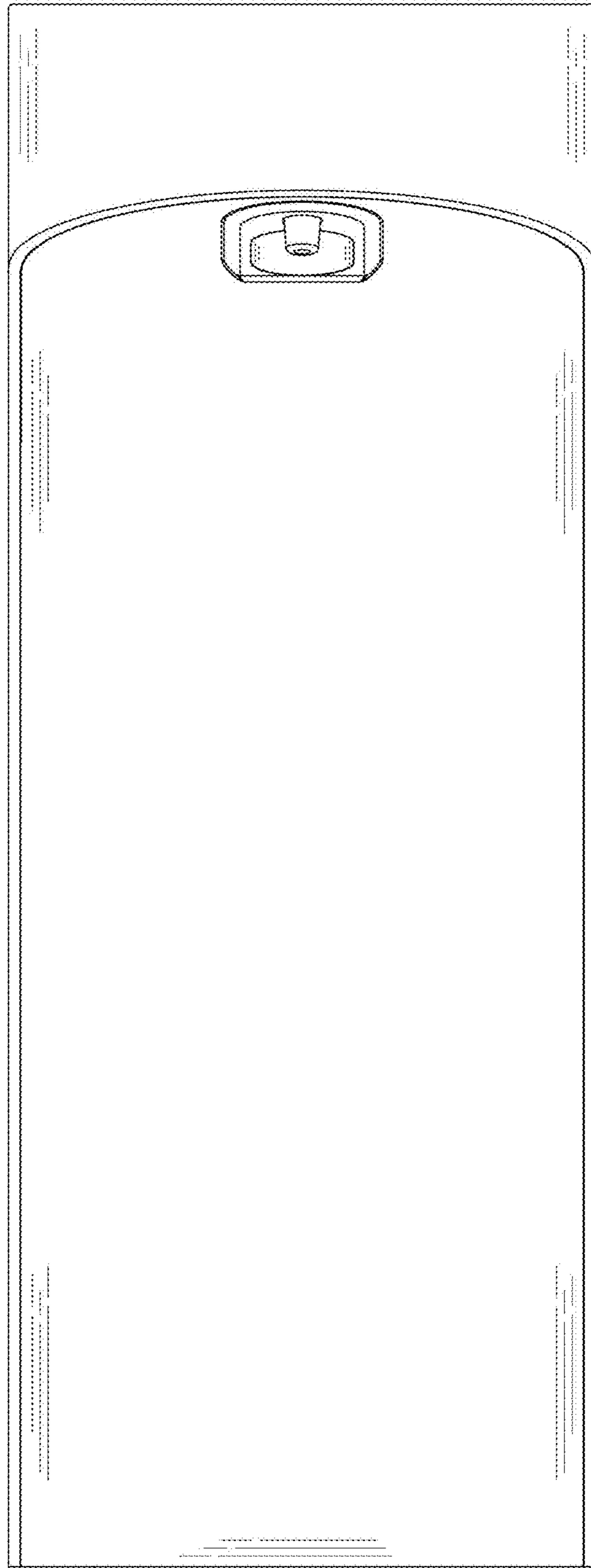


FIG.3

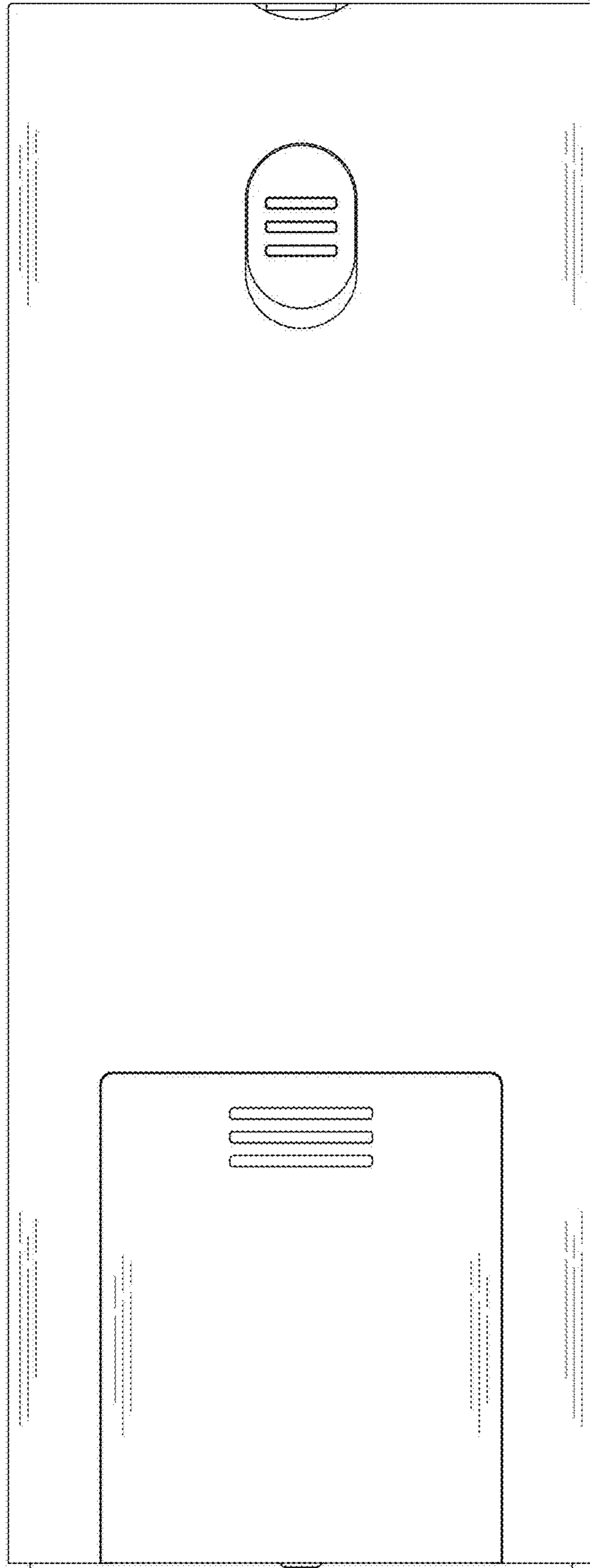


FIG. 4

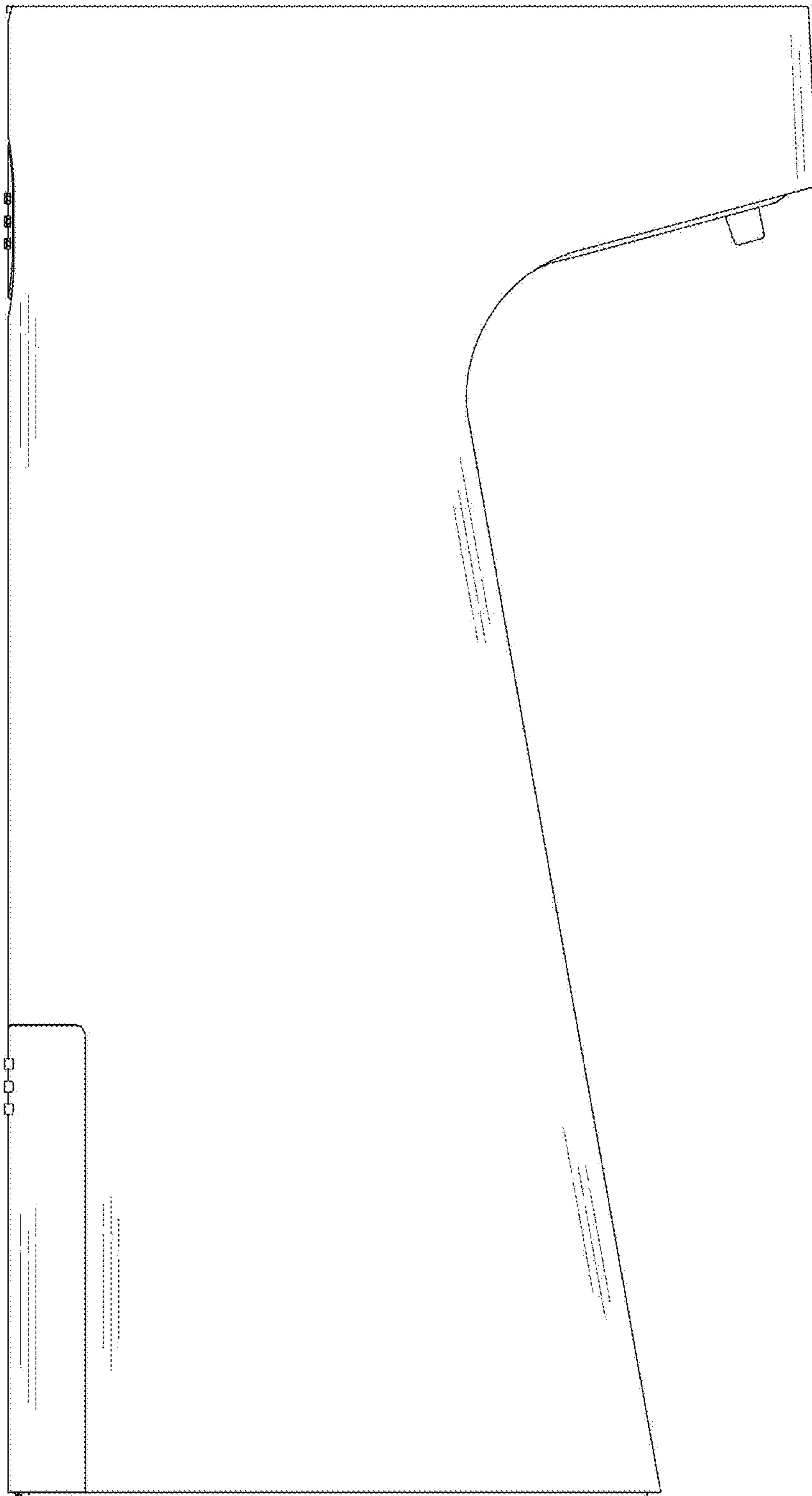


FIG.5



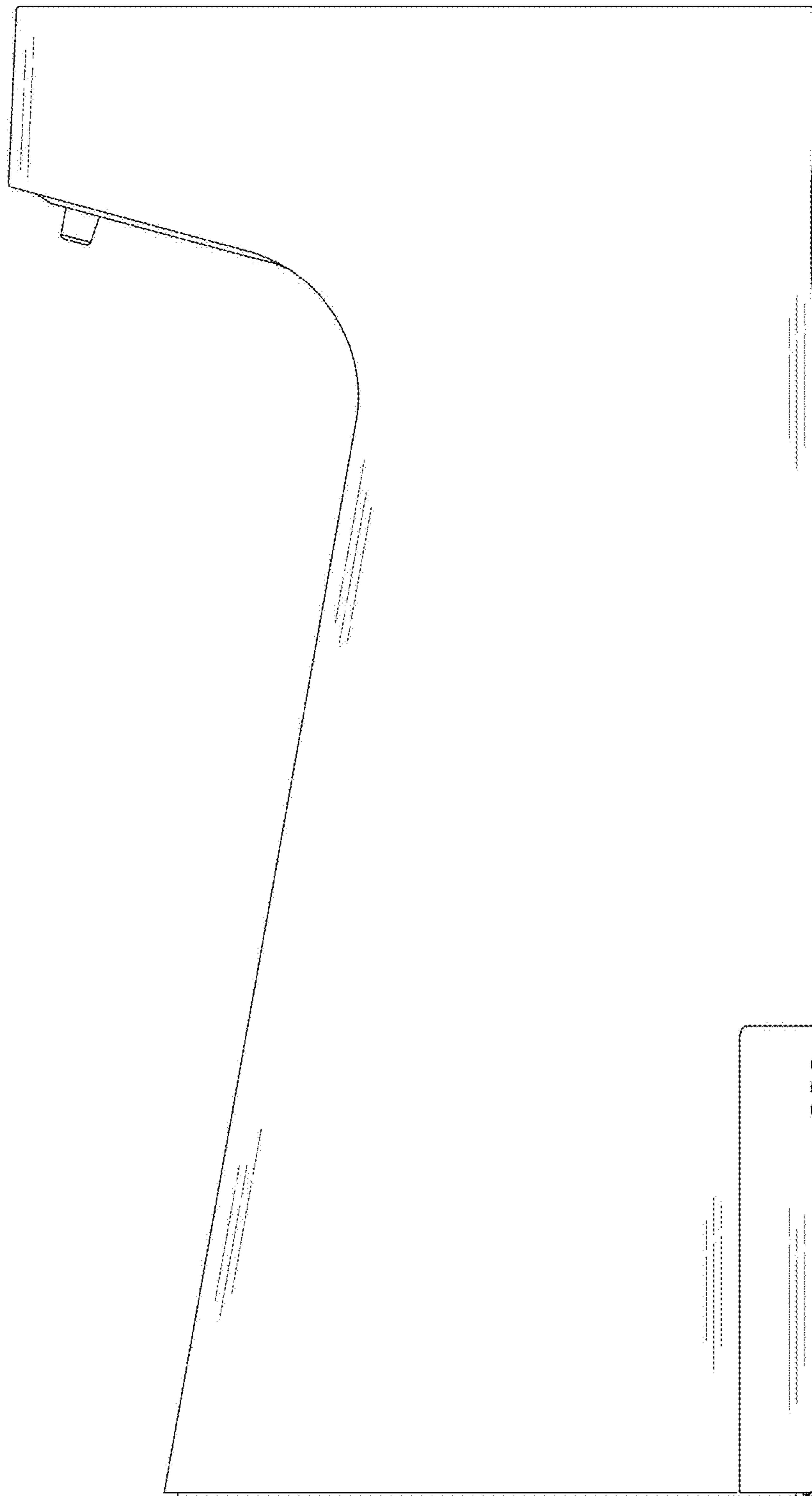


FIG.6

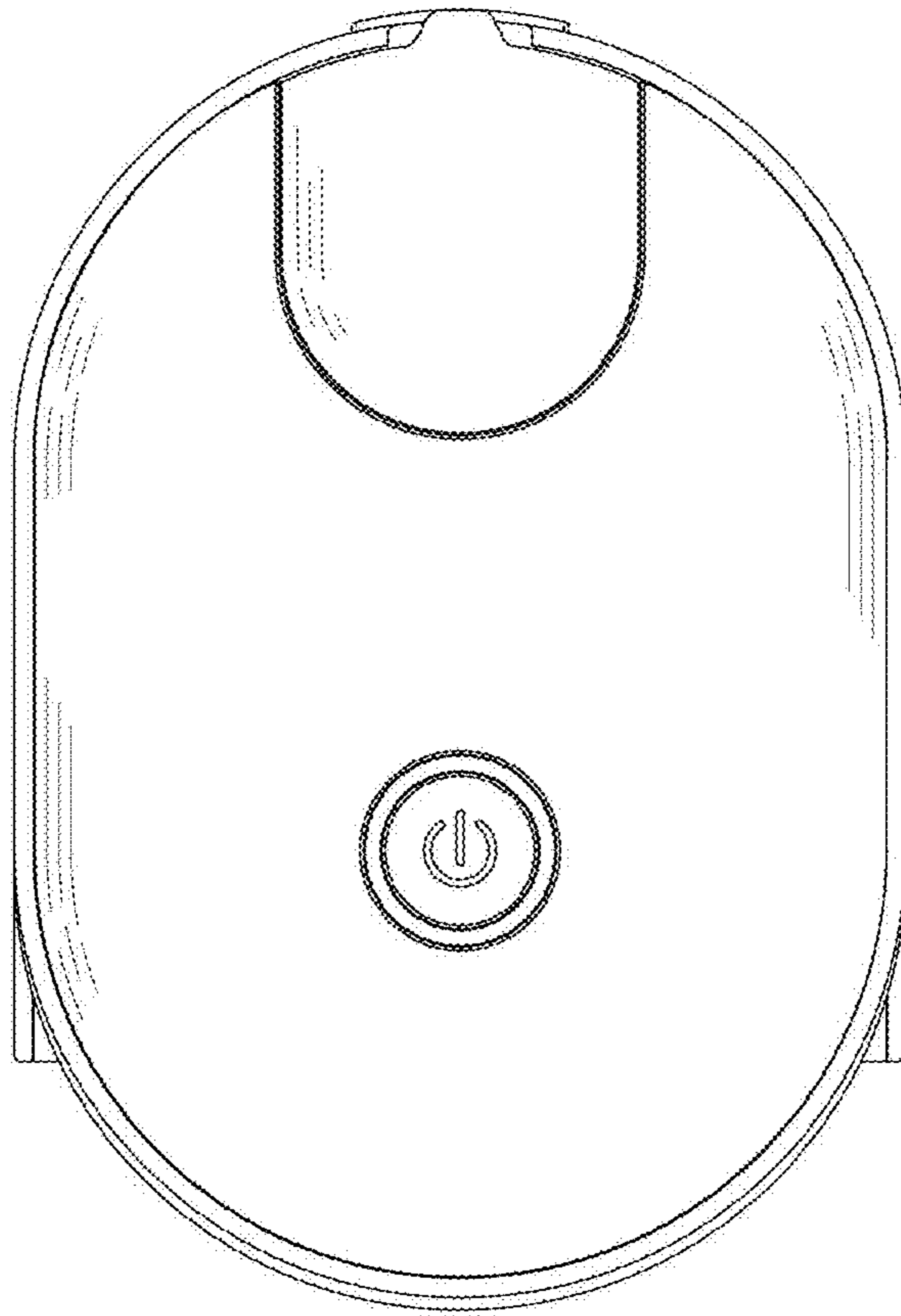


FIG. 7



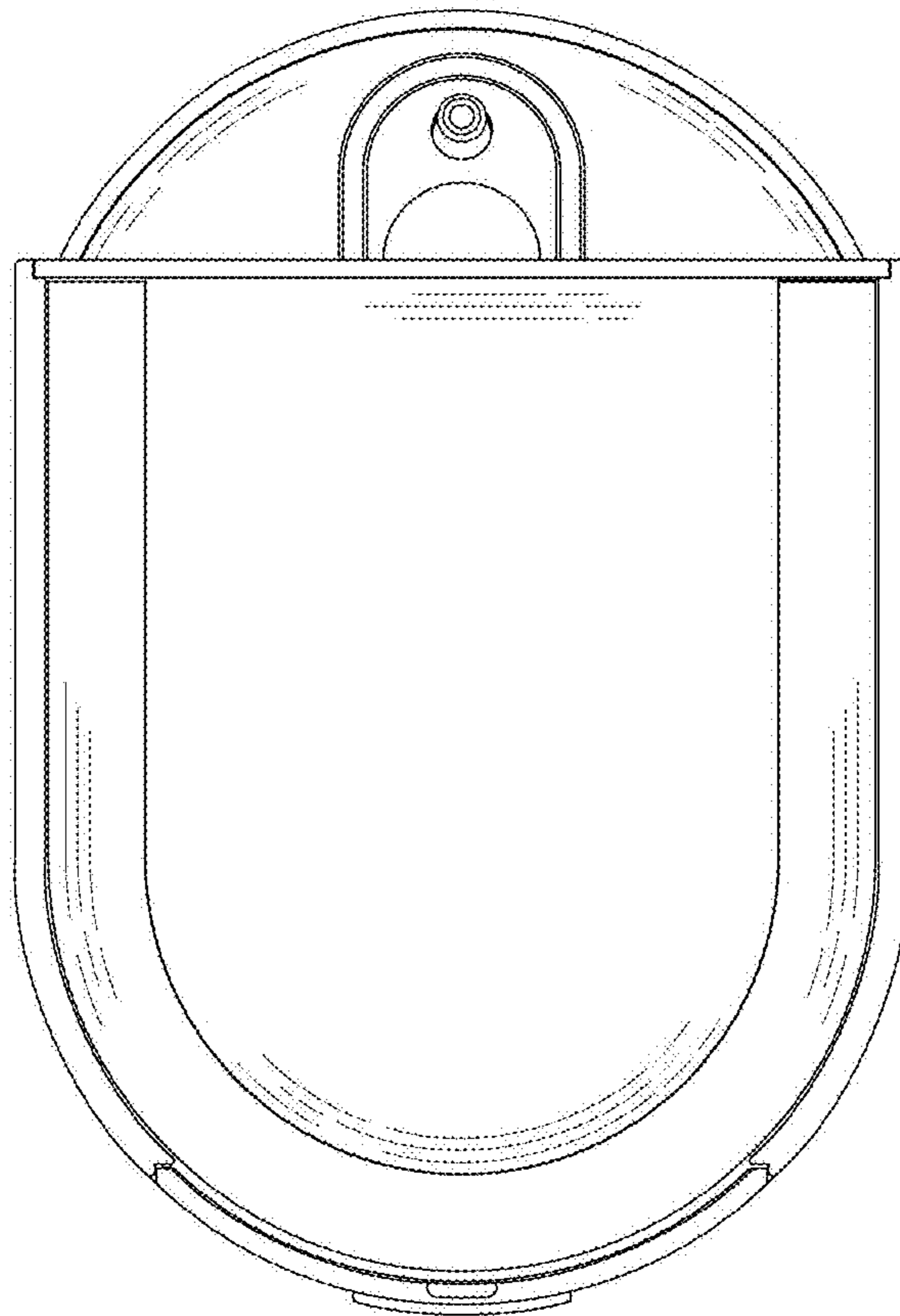


FIG. 8