



US00D880654S

(12) **United States Design Patent**
Sheng et al.

(10) **Patent No.:** **US D880,654 S**
(45) **Date of Patent:** **** Apr. 7, 2020**

(54) **WATER PURIFIER**

(71) Applicant: **HON HAI PRECISION INDUSTRY CO., LTD.**, New Taipei (TW)

(72) Inventors: **Ying-Wei Sheng**, New Taipei (TW);
Wei-Chien Hsu, New Taipei (TW);
Yu-Chao Li, Shenzhen (CN)

(73) Assignee: **HON HAI PRECISION INDUSTRY CO., LTD.**, New Taipei (TW)

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

(21) Appl. No.: **29/649,921**

(22) Filed: **Jun. 4, 2018**

(30) **Foreign Application Priority Data**

Dec. 15, 2017 (CN) 2017 3 0643384

(51) **LOC (12) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/209**

(58) **Field of Classification Search**
USPC D7/317, 384; D15/7, 8; D23/207, 208,
D23/209, 210, 233, 299, 336, 366
CPC B01D 35/12; B01D 35/301; B01D 35/153;
B01D 29/114; B01D 2201/4092
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|--------------|--------|-----------|-------|---------|
| D214,165 S * | 5/1969 | Sesholtz | ..... | D23/316 |
| D290,638 S * | 6/1987 | Bishop | ..... | D23/207 |
| D306,754 S * | 3/1990 | Petrucci | ..... | D23/209 |
| D314,607 S * | 2/1991 | Kapoc | ..... | D23/209 |
| D377,677 S * | 1/1997 | Robbins | ..... | D23/209 |
| D384,128 S * | 9/1997 | Scott | ..... | D23/209 |
| D407,462 S * | 3/1999 | Bishop | ..... | D23/207 |
| D521,593 S * | 5/2006 | Mitsis | ..... | D23/207 |
| D522,615 S * | 6/2006 | Kleffmann | ..... | D23/233 |
| D547,826 S * | 7/2007 | Kennedy | ..... | D23/209 |

| | | | | |
|--------------|--------|-----------|-------|---------|
| D547,827 S * | 7/2007 | Kennedy | ..... | D23/209 |
| D568,666 S * | 5/2008 | Souloglou | ..... | D7/316 |
| D588,160 S * | 3/2009 | Beale | ..... | D15/7 |
| D598,234 S * | 8/2009 | Bodum | ..... | D7/317 |

(Continued)

OTHER PUBLICATIONS

<https://www.amazon.com/Frizzlife-SK99-Precision-chlorine-chloramine/dp/> (Year: 2019).*

Primary Examiner — Manpreet S Matharu

Assistant Examiner — Keith J Wilson

(74) *Attorney, Agent, or Firm* — ScienBiziP, P.C.

(57) **CLAIM**

We claim the ornamental design for a water purifier, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an embodiment of a water purifier, showing our new design;

FIG. 2 is a rear perspective view of the water purifier shown in FIG. 1;

FIG. 3 is a front elevation view of the water purifier shown in FIG. 1;

FIG. 4 is a rear elevation view of the water purifier shown in FIG. 1;

FIG. 5 is a left side elevation view of the water purifier shown in FIG. 1;

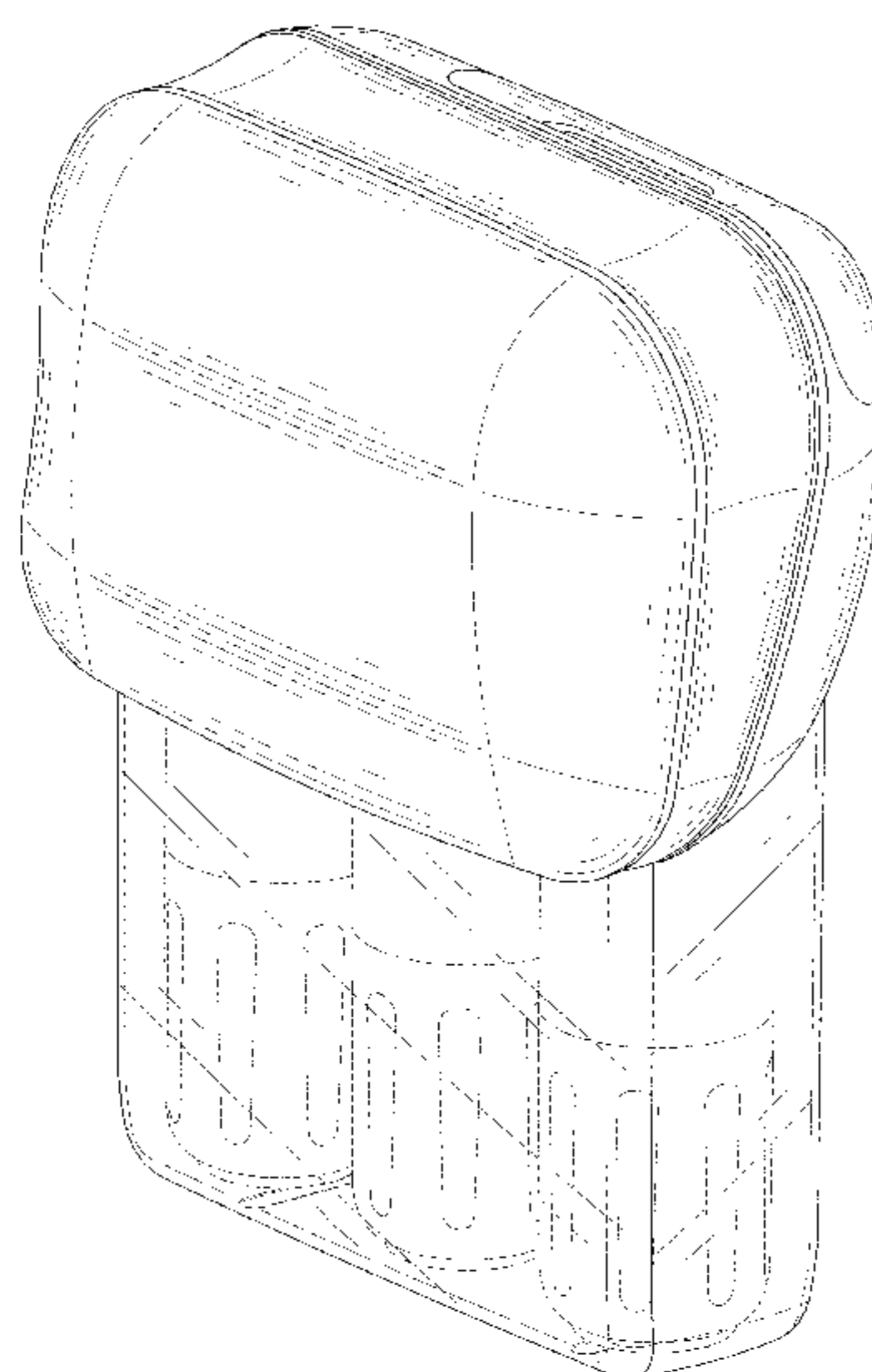
FIG. 6 is a right side elevation view of the water purifier shown in FIG. 1;

FIG. 7 is a top plan view of the water purifier shown in FIG. 1; and,

FIG. 8 is a bottom plan view of the water purifier shown in FIG. 1.

The broken lines in the drawings depict portions of the water purifier that form no part of the claimed design. The broken lines and unshaded regions bounded by broken lines form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|----|---|---------|------------------|--------------|
| D610,650 | S | * | 2/2010 | Kulikov | D23/209 |
| D616,694 | S | * | 6/2010 | Kulikov | D23/209 |
| D621,001 | S | * | 8/2010 | Maziel | D23/209 |
| D656,578 | S | * | 3/2012 | Sherman | D23/209 |
| D668,741 | S | * | 10/2012 | Choi | D23/209 |
| D676,108 | S | * | 2/2013 | Kulikov | D23/209 |
| D742,928 | S | * | 11/2015 | West | D15/7 |
| D759,788 | S | * | 6/2016 | Wei | D23/207 |
| D768,810 | S | * | 10/2016 | Wei | D23/207 |
| D768,812 | S | * | 10/2016 | Kruse | D23/209 |
| D783,774 | S | * | 4/2017 | Costantini | D23/209 |
| D788,825 | S | * | 6/2017 | Hawkins | D15/7 |
| D792,554 | S | * | 7/2017 | Kruse | D23/209 |
| D793,524 | S | * | 8/2017 | Kruse | D23/209 |
| D826,374 | S | * | 8/2018 | Berducat | D23/209 |
| D826,375 | S | * | 8/2018 | Berducat | D23/209 |
| D846,693 | S | * | 4/2019 | Zou | D23/209 |
| D857,158 | S | * | 8/2019 | Zou | D23/209 |
| D863,500 | S | * | 10/2019 | Zou | D23/209 |
| D865,119 | S | * | 10/2019 | An | D23/209 |
| 2004/0051381 | A1 | * | 3/2004 | Garner | F15B 13/0814 |
| | | | | | 307/11 |
| 2006/0226064 | A1 | * | 10/2006 | Beckman | C02F 1/003 |
| | | | | | 210/323.1 |
| 2018/0001237 | A1 | * | 1/2018 | Zhibin | B01D 35/12 |

* cited by examiner

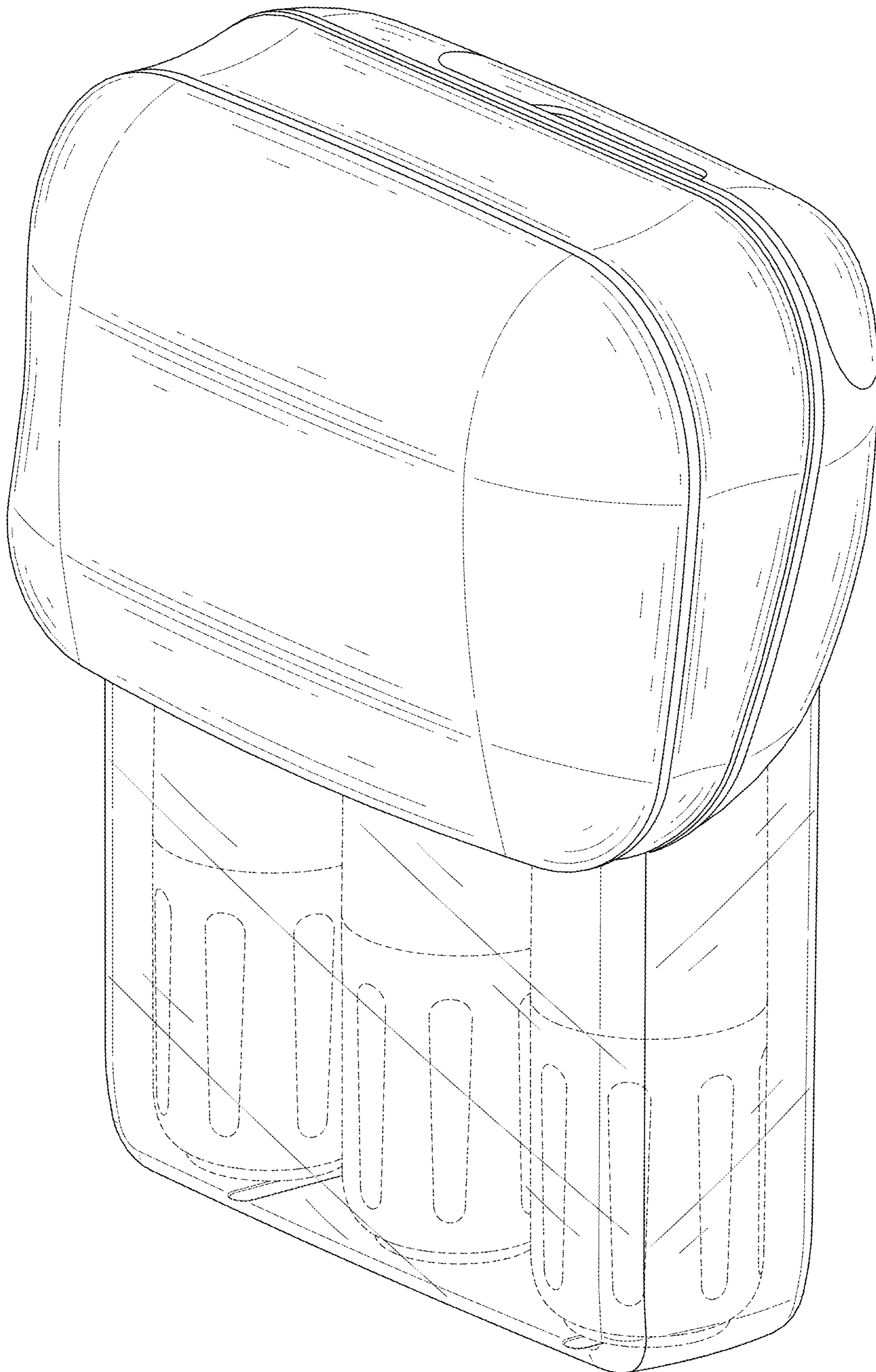


FIG. 1

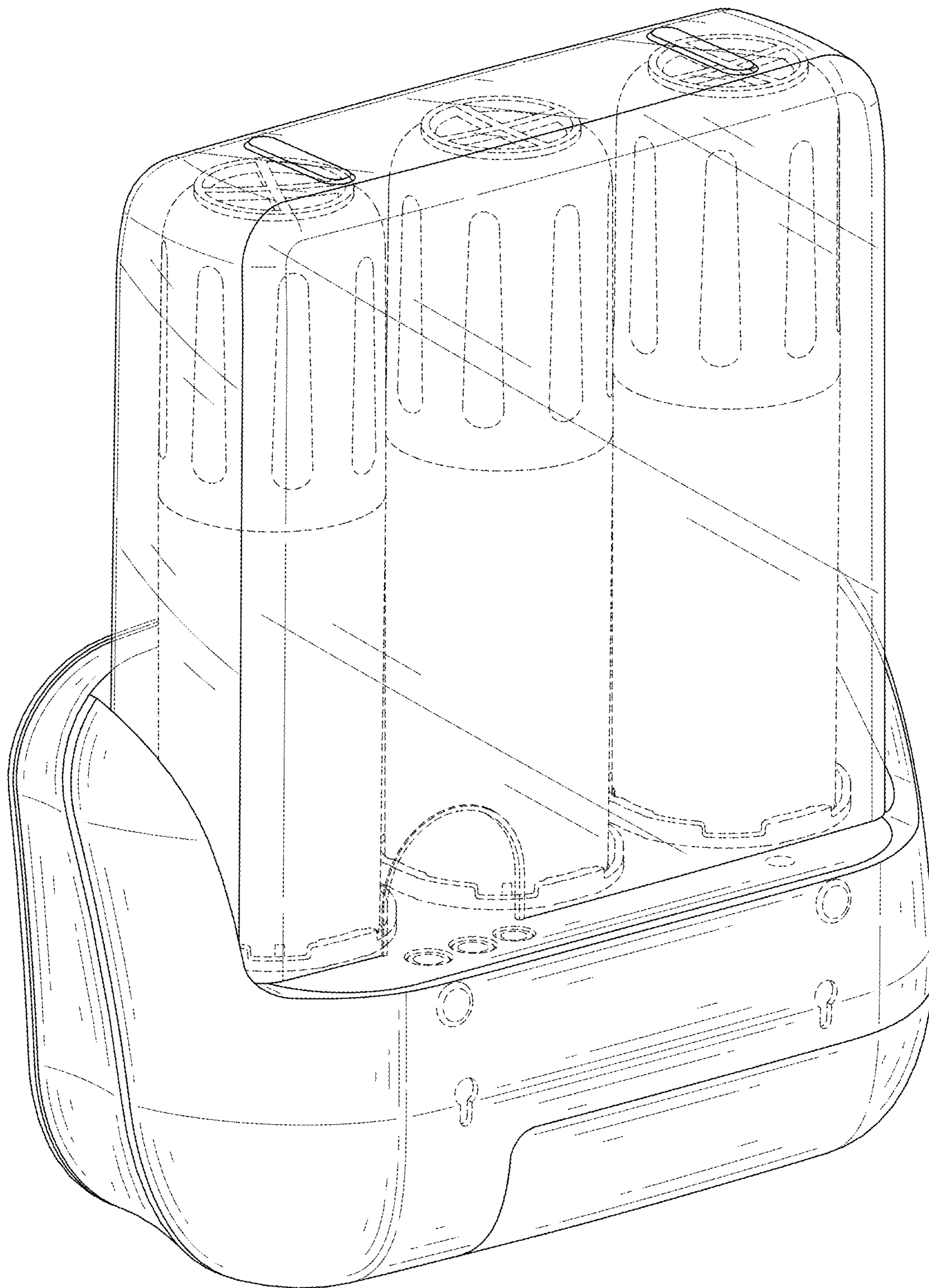


FIG. 2

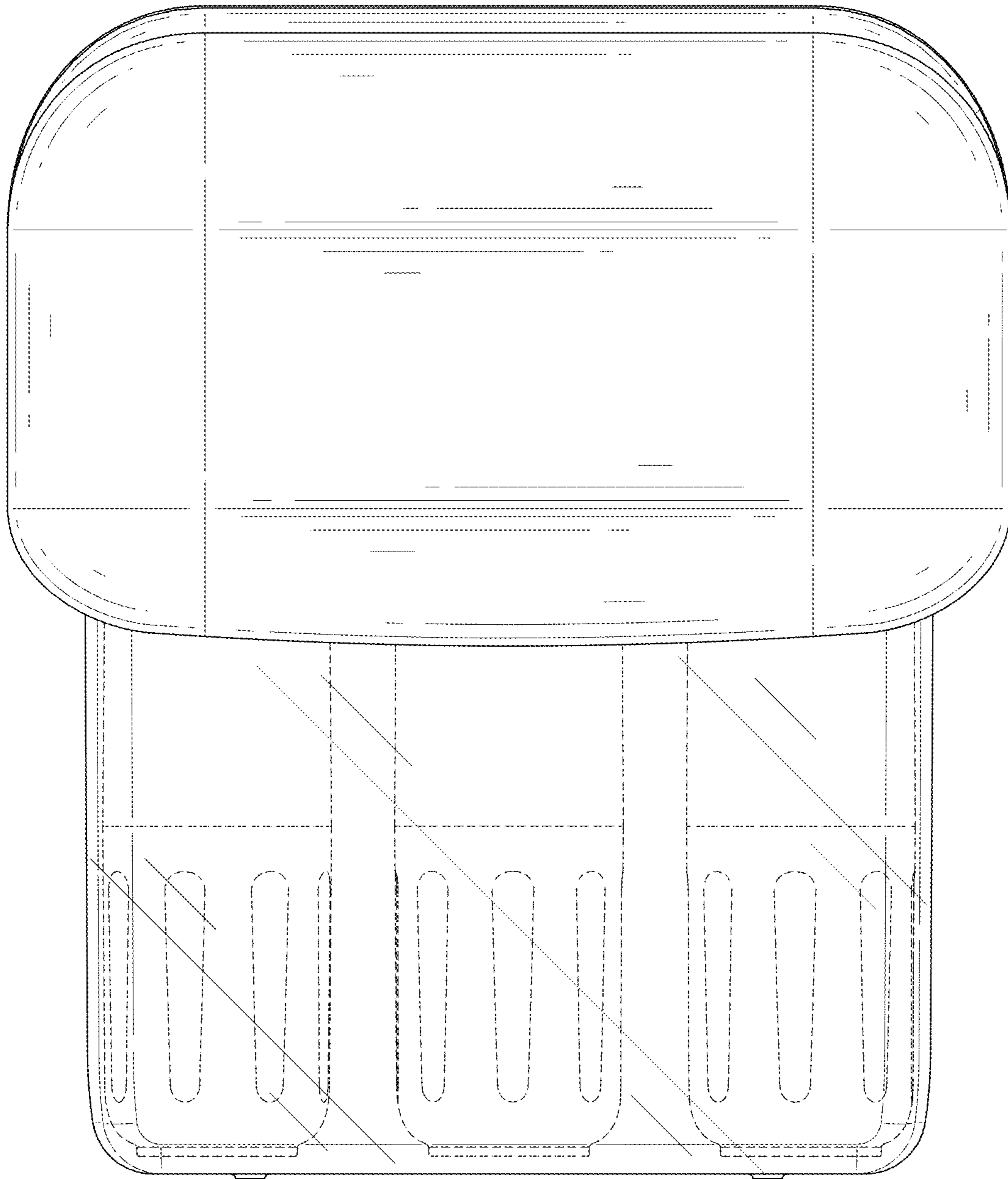


FIG. 3

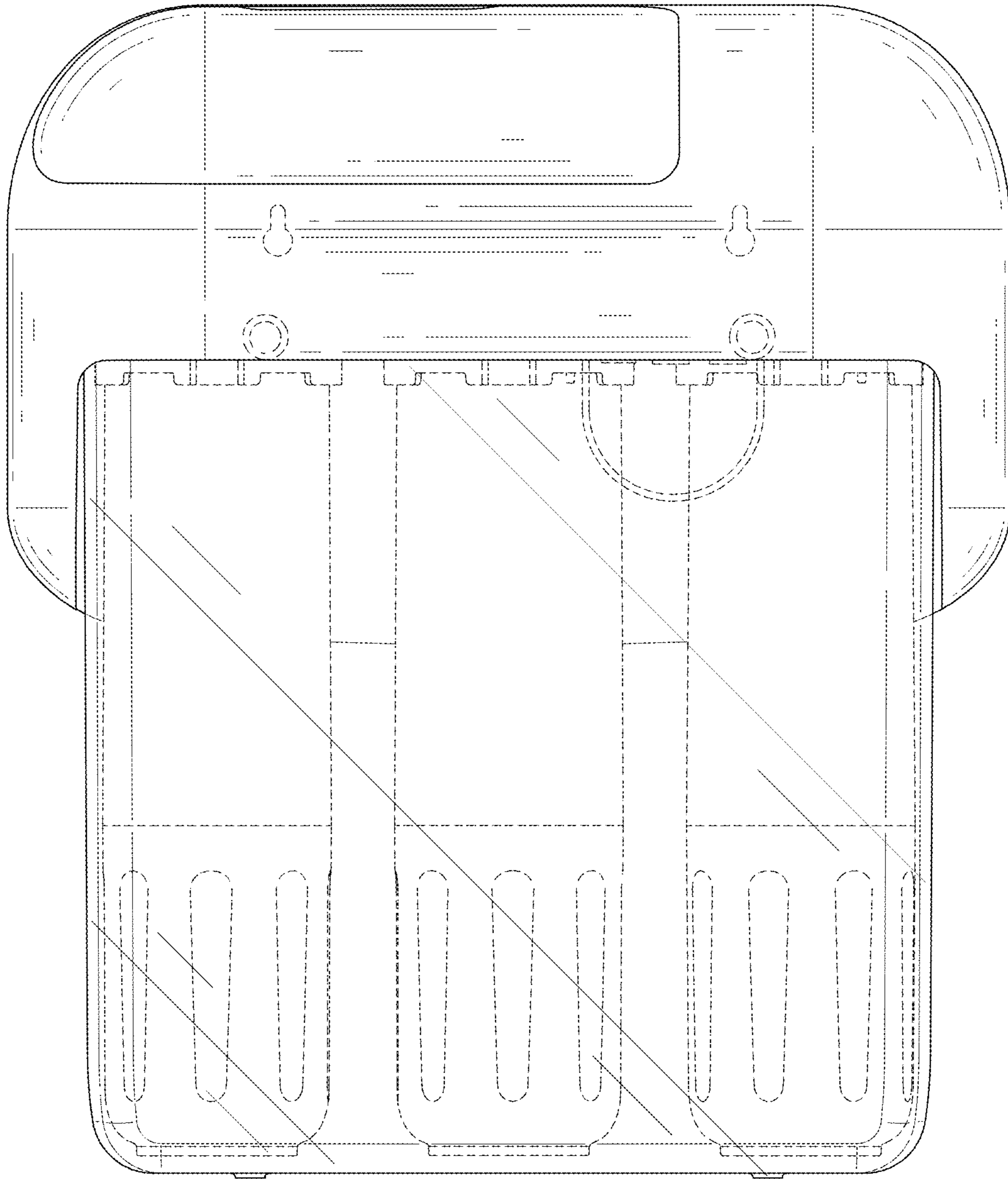


FIG. 4

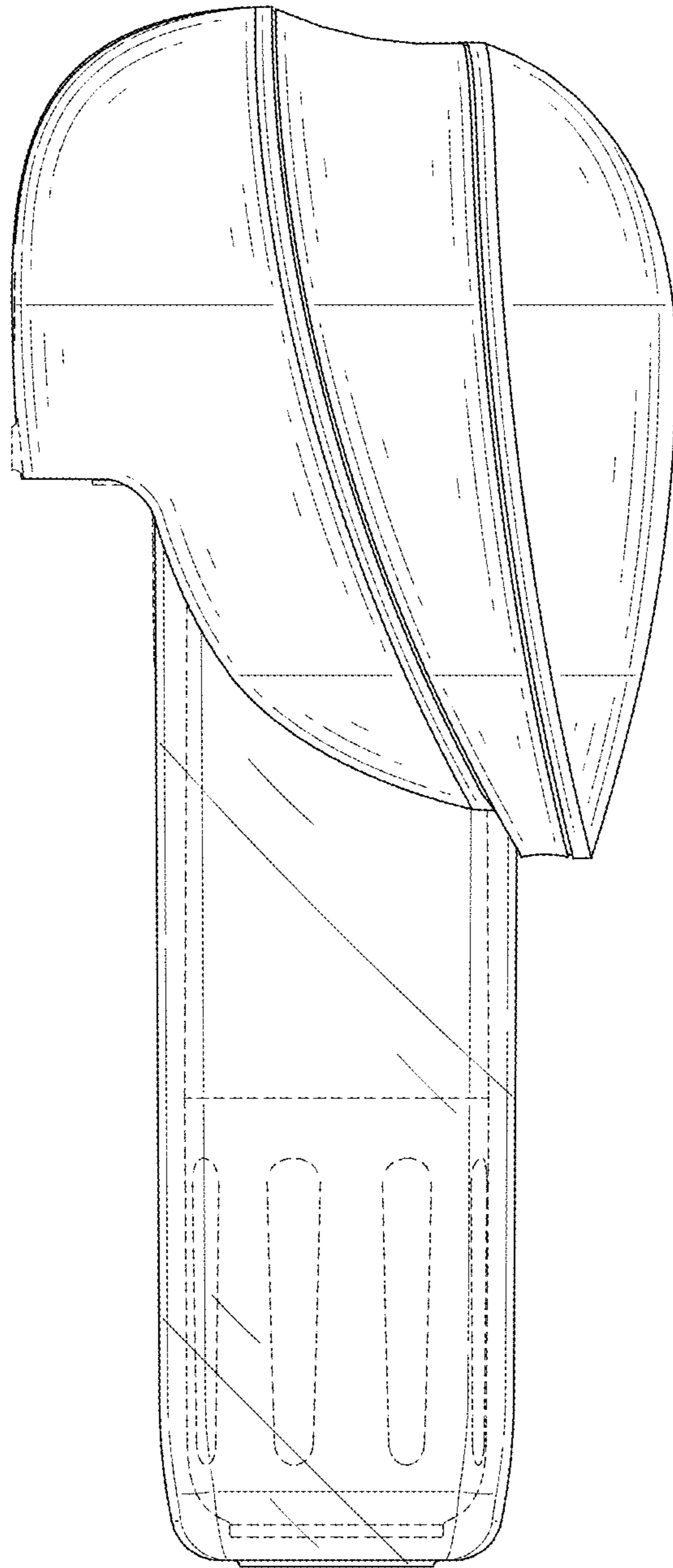


FIG. 5

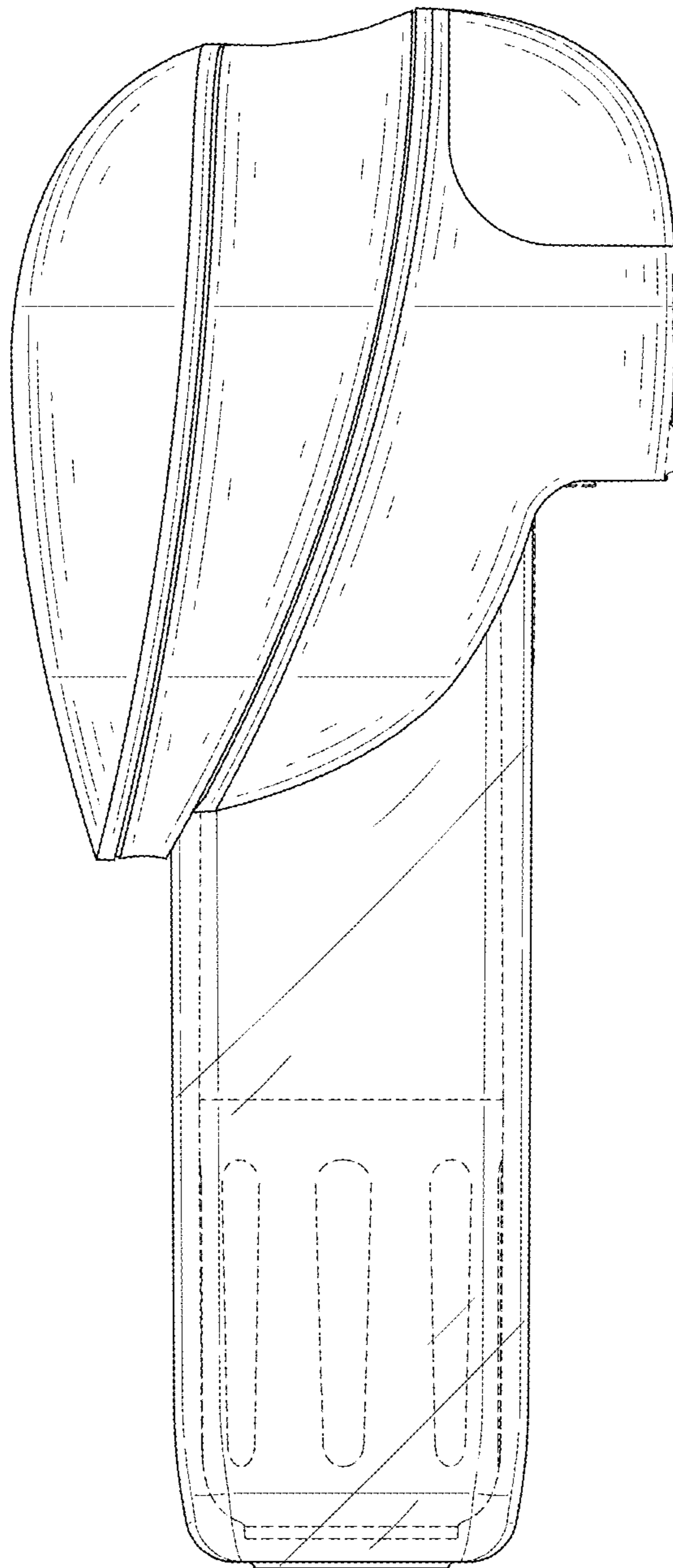


FIG. 6

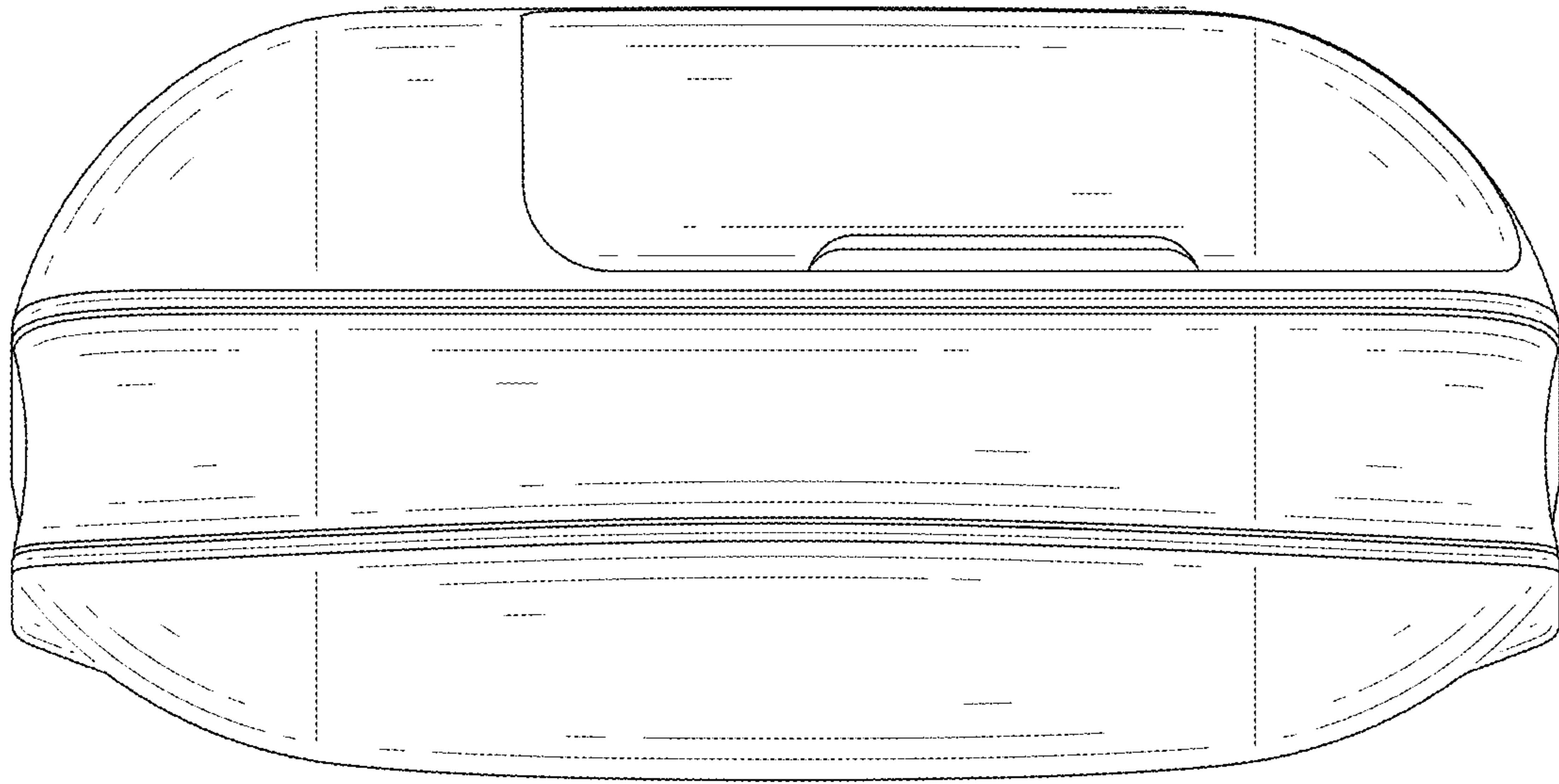


FIG. 7

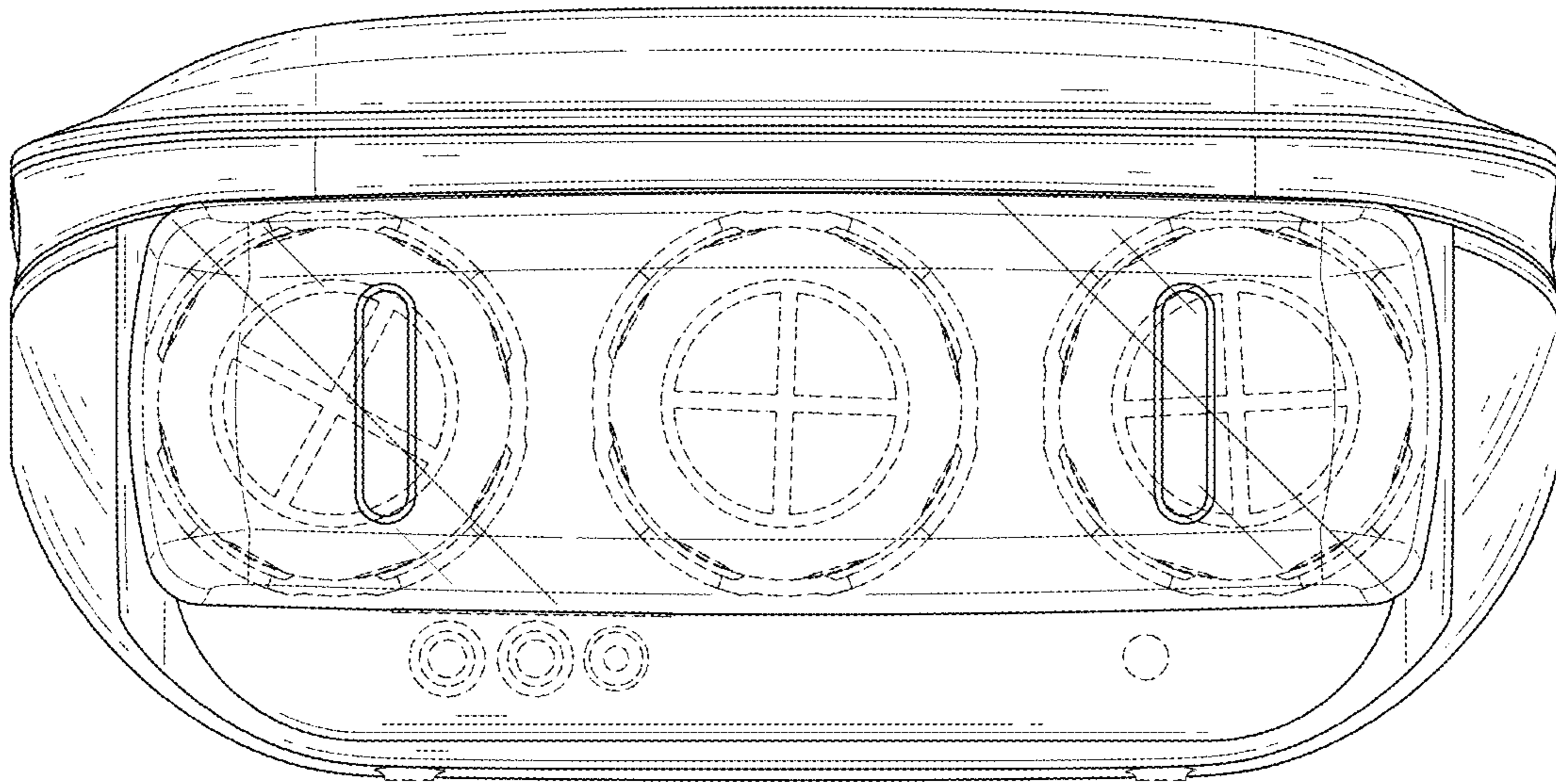


FIG. 8