



US00D980382S

(12) **United States Design Patent** (10) **Patent No.:** **US D980,382 S**  
**Lu** (45) **Date of Patent:** **\*\* Mar. 7, 2023**

(54) **FILTERING DEVICE**  
(71) Applicant: **Tianjin Premium E-Commerce Co., Ltd.**, Tianjing (CN)  
(72) Inventor: **Jun Lu**, Baotou (CN)  
(73) Assignee: **Tianjin Premium E-Commerce Co., Ltd.**, Tianjin (CN)

D679,825 S \* 4/2013 Elkerbout ..... D24/217  
D751,169 S \* 3/2016 Takeda ..... D23/207  
D790,659 S \* 6/2017 Rummel ..... D23/209  
D792,941 S \* 7/2017 Rummel ..... D23/209  
D819,699 S \* 6/2018 Krull ..... D15/5  
D825,778 S \* 8/2018 Brenner ..... D24/232  
D884,866 S \* 5/2020 Knight ..... D23/365  
D885,833 S \* 6/2020 Zou ..... D7/400  
2013/0019576 A1\* 1/2013 Krisko ..... B01D 50/20  
55/497

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

\* cited by examiner

(21) Appl. No.: **29/684,603**

*Primary Examiner* — Calvin E Vansant

(22) Filed: **Mar. 22, 2019**

(74) *Attorney, Agent, or Firm* — Yanling Jiang

(30) **Foreign Application Priority Data**

Jan. 28, 2019 (CN) ..... 201930048191.2

(51) **LOC (14) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/209**; D24/162

(58) **Field of Classification Search**  
USPC ..... D23/202, 205, 207, 209, 210, 259, 260,  
D23/262

CPC ..... B01D 2201/29; B01D 2201/30; B01D  
2201/291; B01D 2201/296; B01D  
2201/298; B01D 2201/301; B01D  
2201/302; B01D 2201/303; B01D  
2201/304; B01D 2201/306; B01D  
2201/309; B01D 36/001; B01D 35/02;  
B01D 35/30; B01D 29/111

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D321,564 S \* 11/1991 Miller ..... D24/217  
D389,243 S \* 1/1998 Miller ..... D24/162  
D501,912 S \* 2/2005 Tanner ..... D23/209  
D650,662 S \* 12/2011 Shiffer ..... D9/425

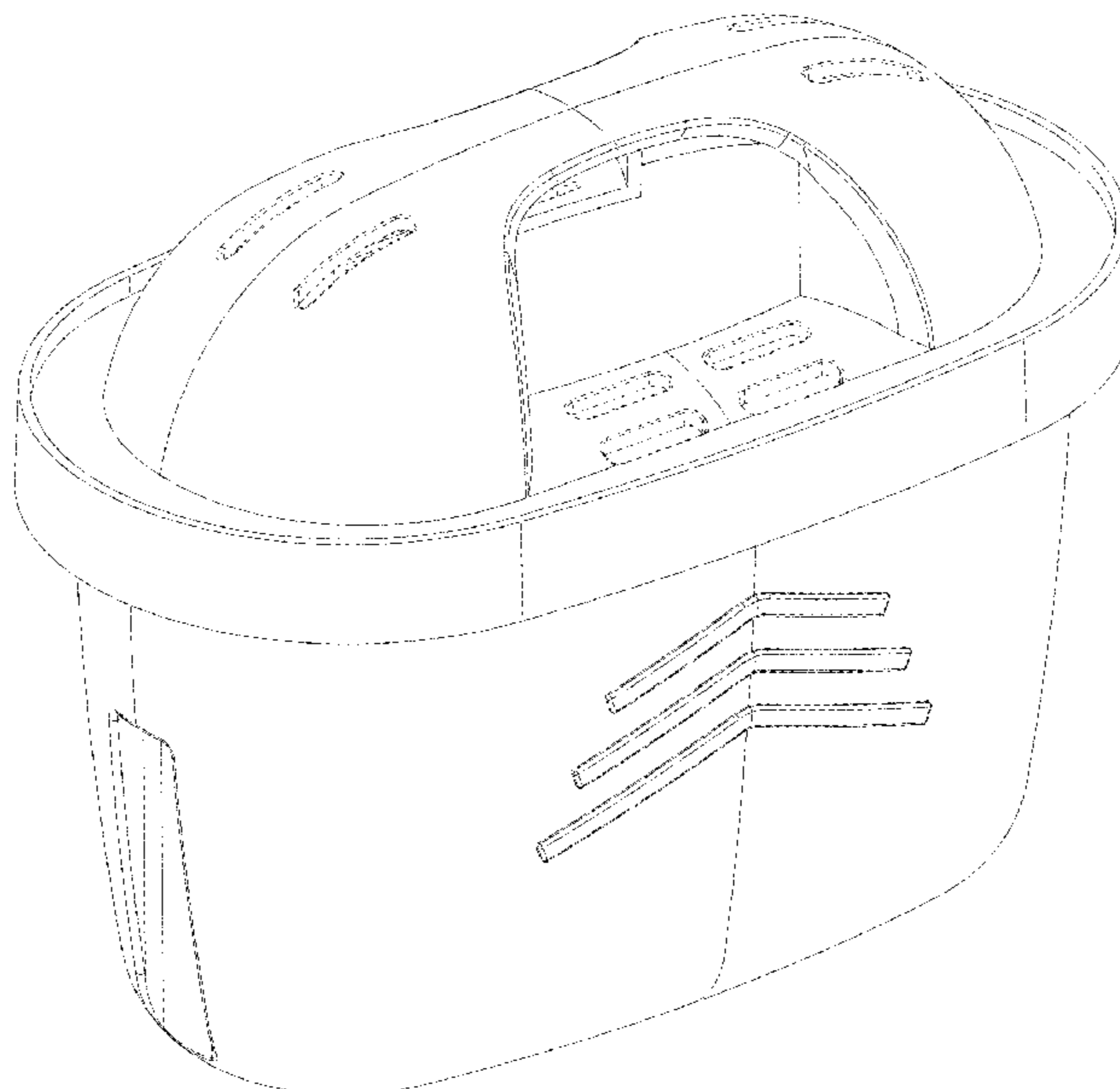
(57) **CLAIM**

The ornamental design for filtering device, as shown and described.

**DESCRIPTION**

FIG. 1 is a top right perspective view showing filtering device, showing my new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a rear elevation view thereof;  
FIG. 4 is a top plan view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a side view thereof; and,  
FIG. 7 is an opposite side view thereof.

**1 Claim, 7 Drawing Sheets**



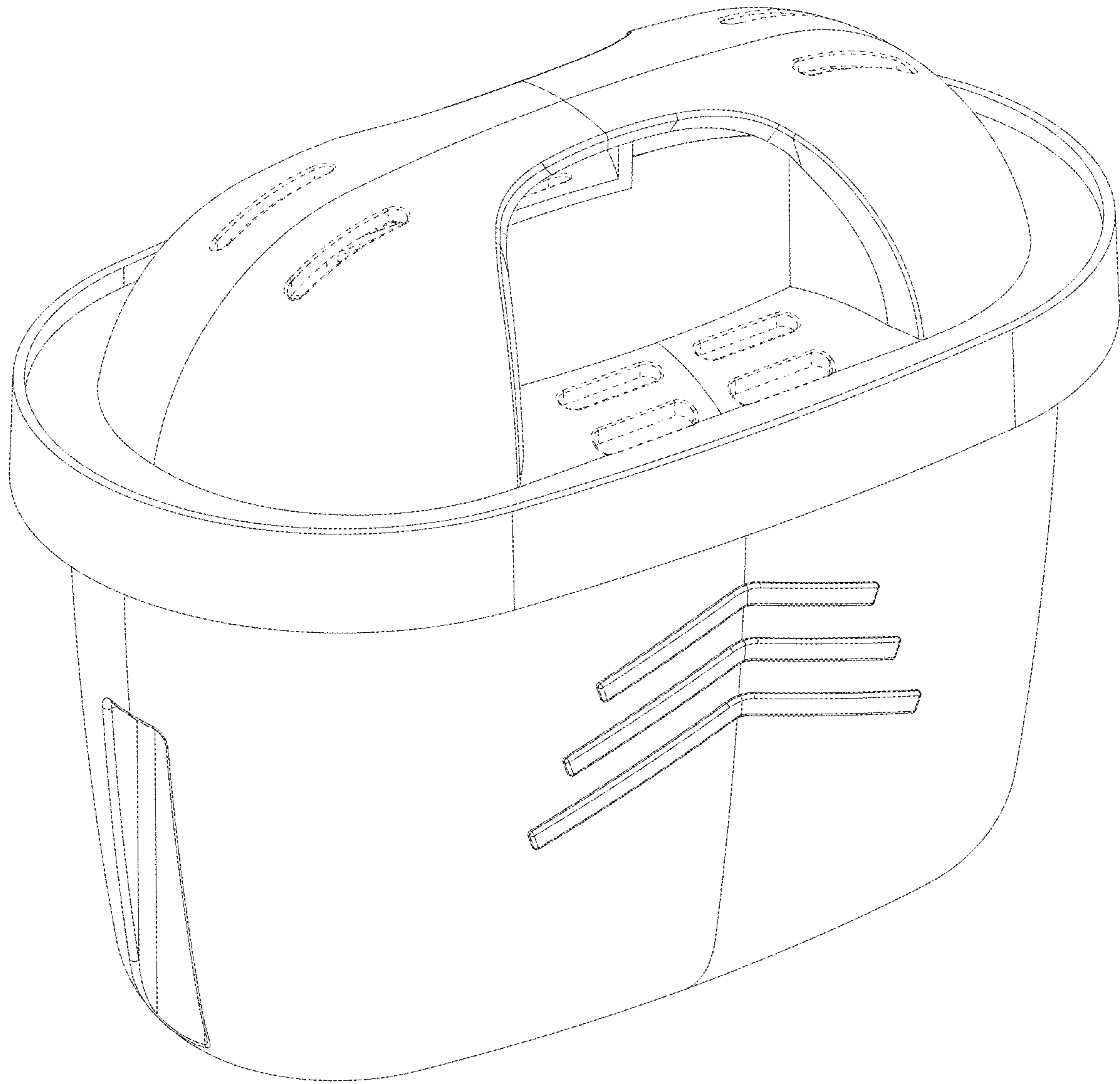


FIG. 1

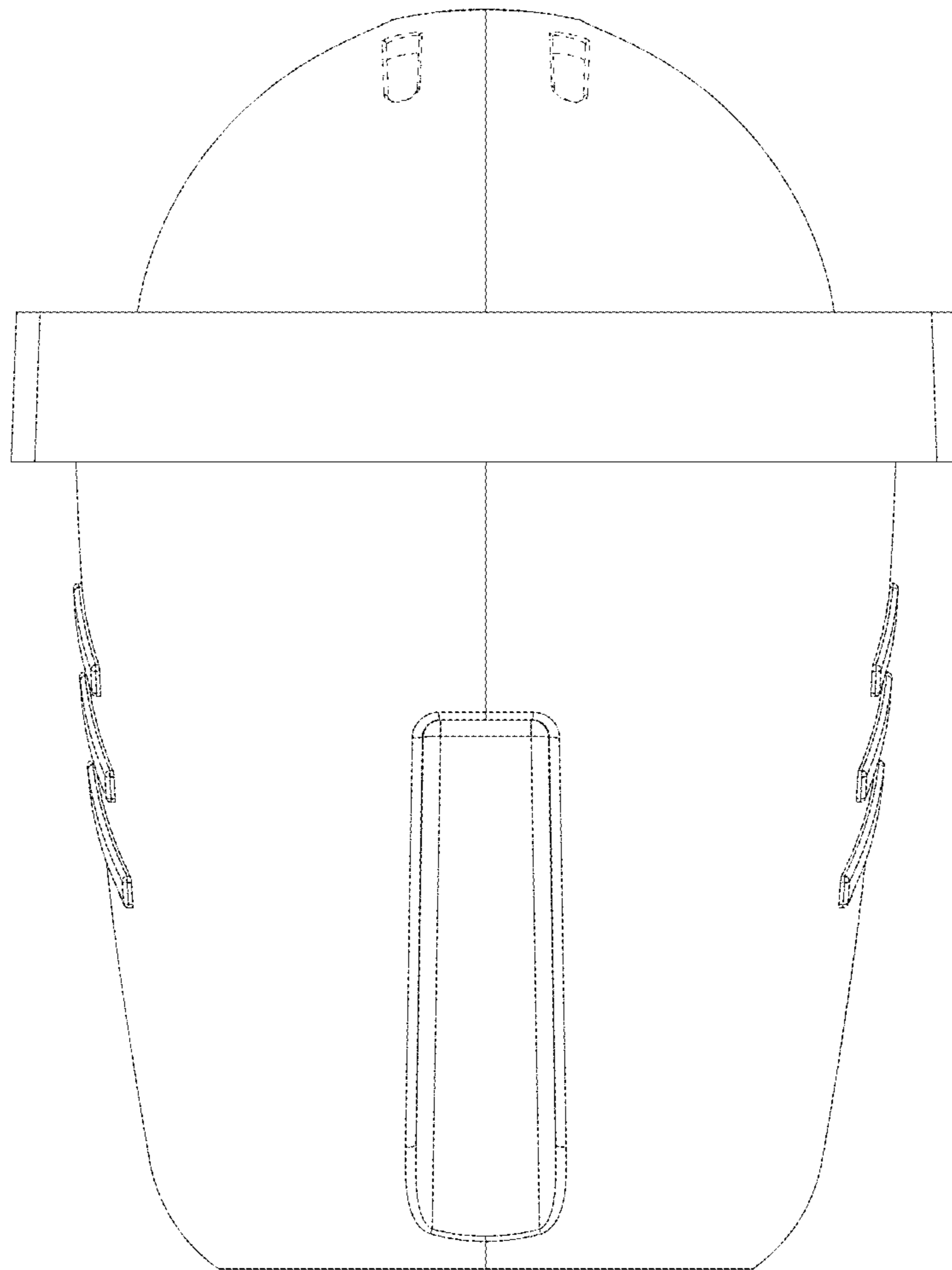


FIG. 2

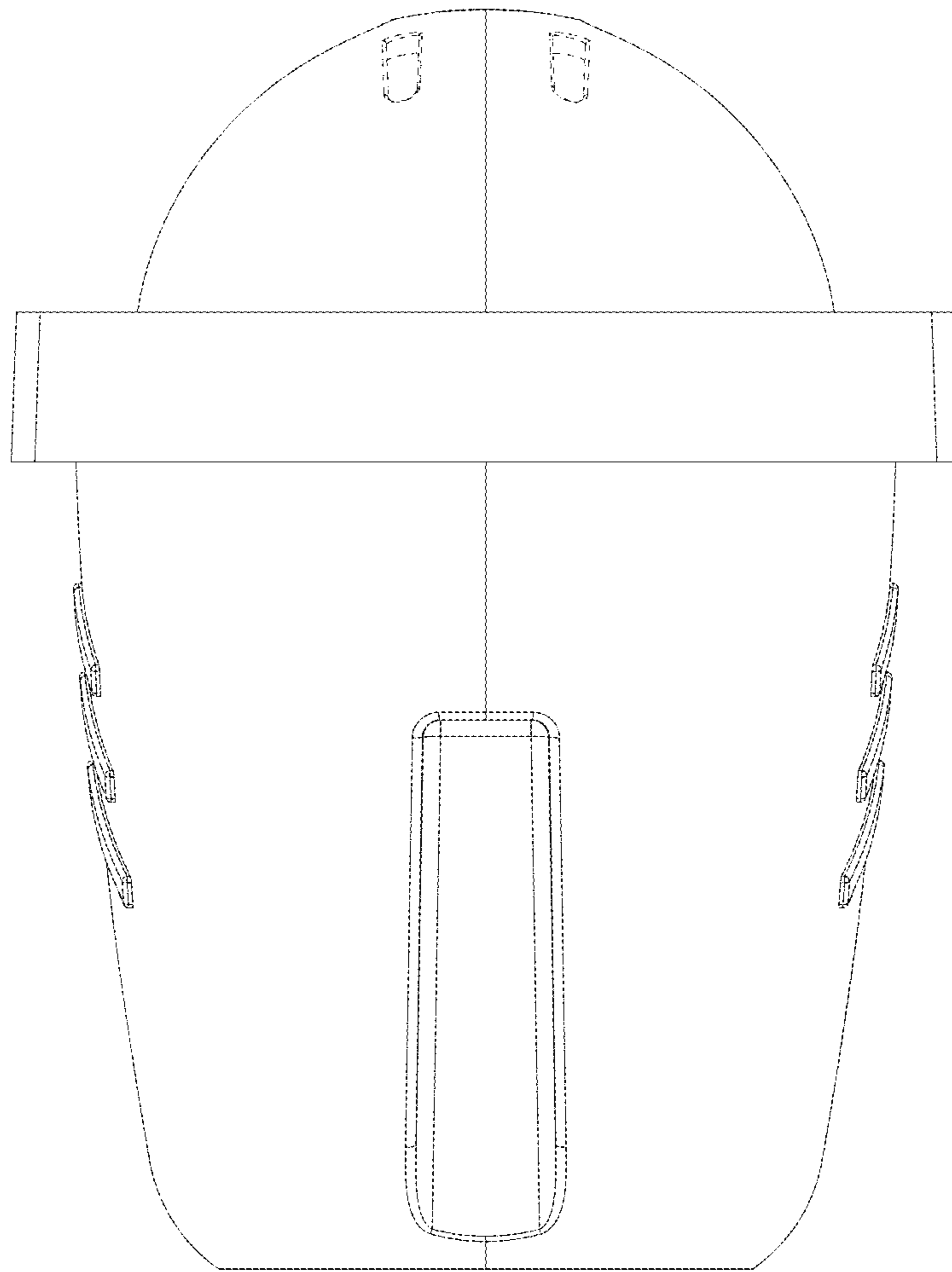


FIG. 3

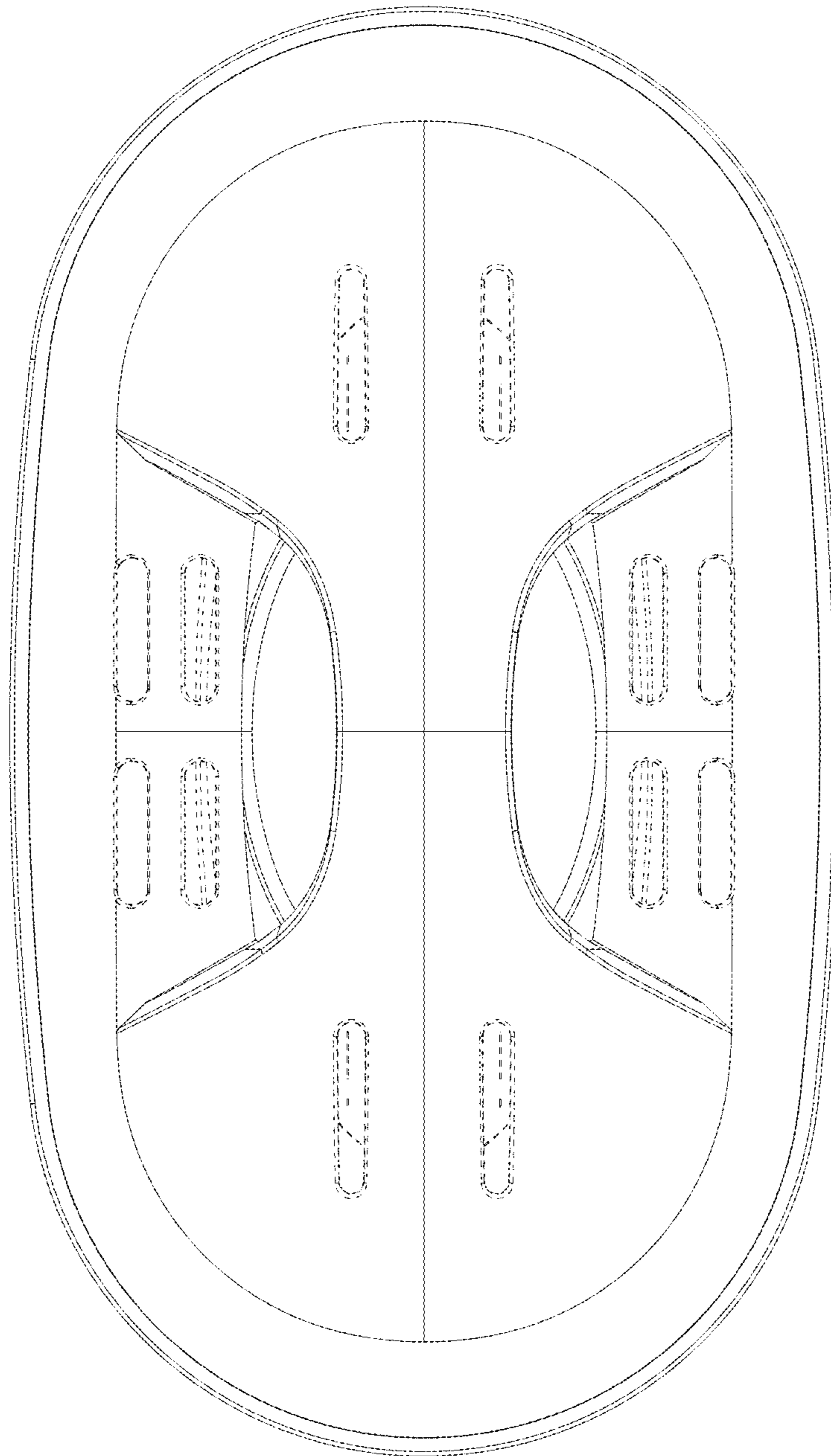


FIG. 4

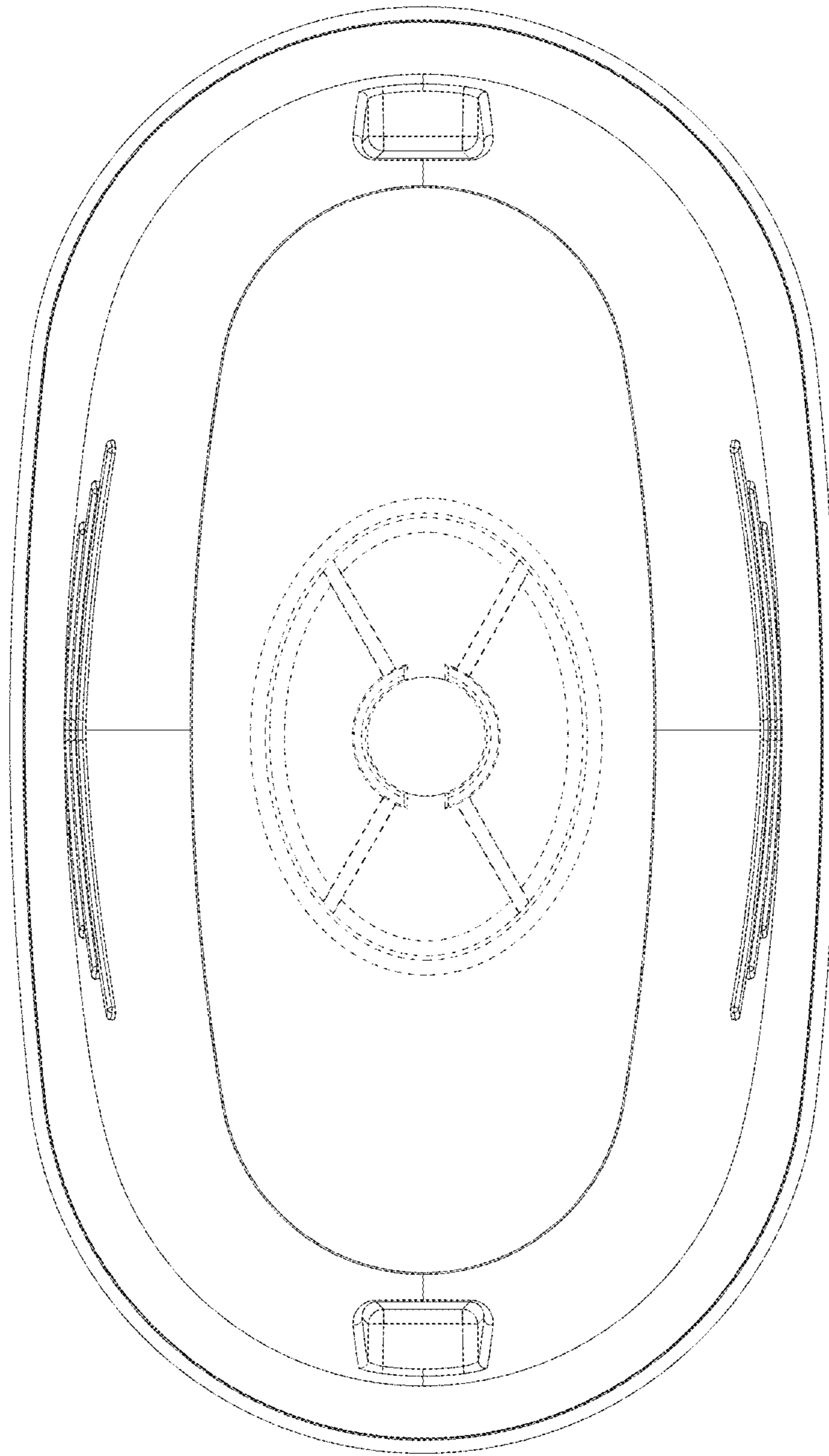


FIG. 5

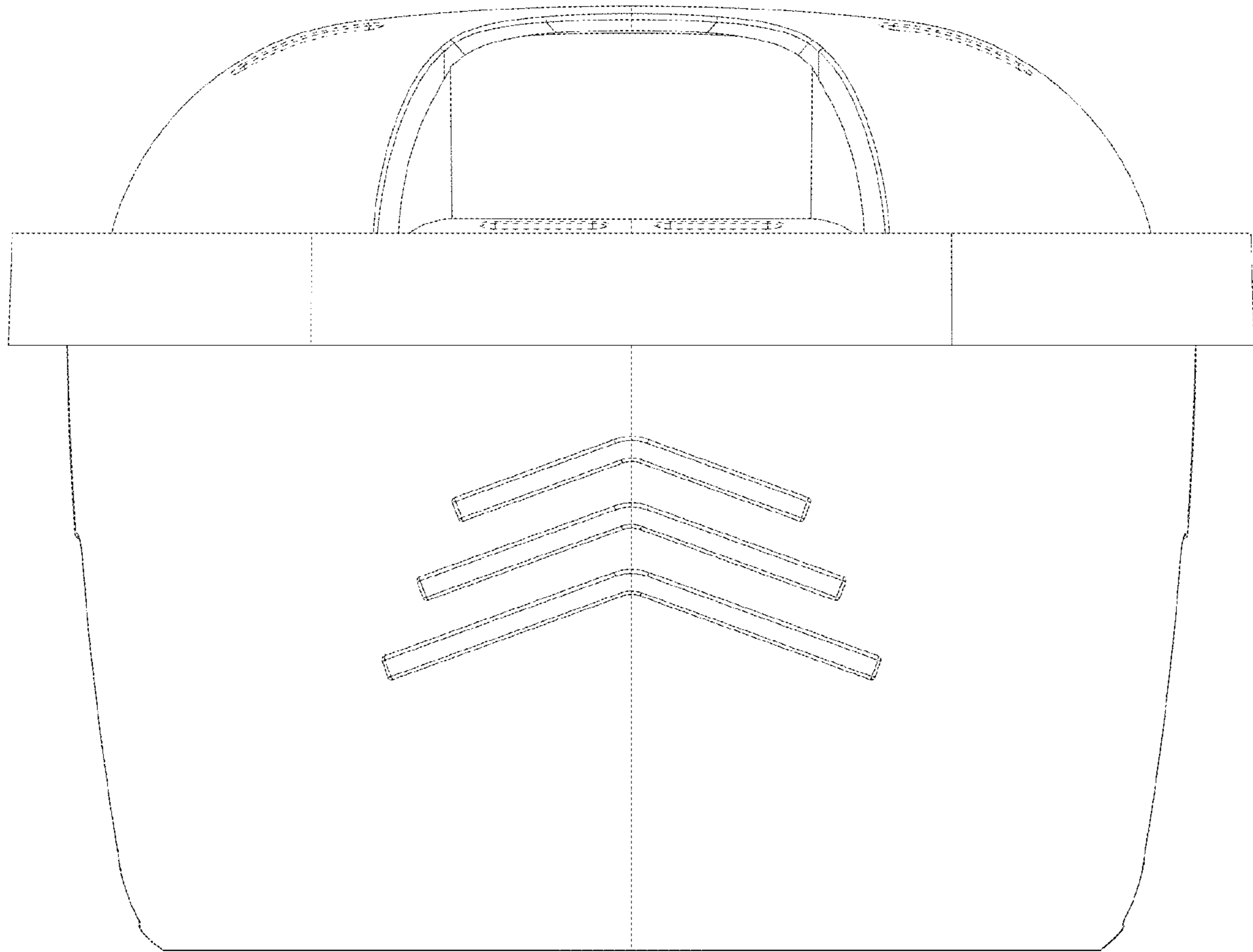


FIG. 6

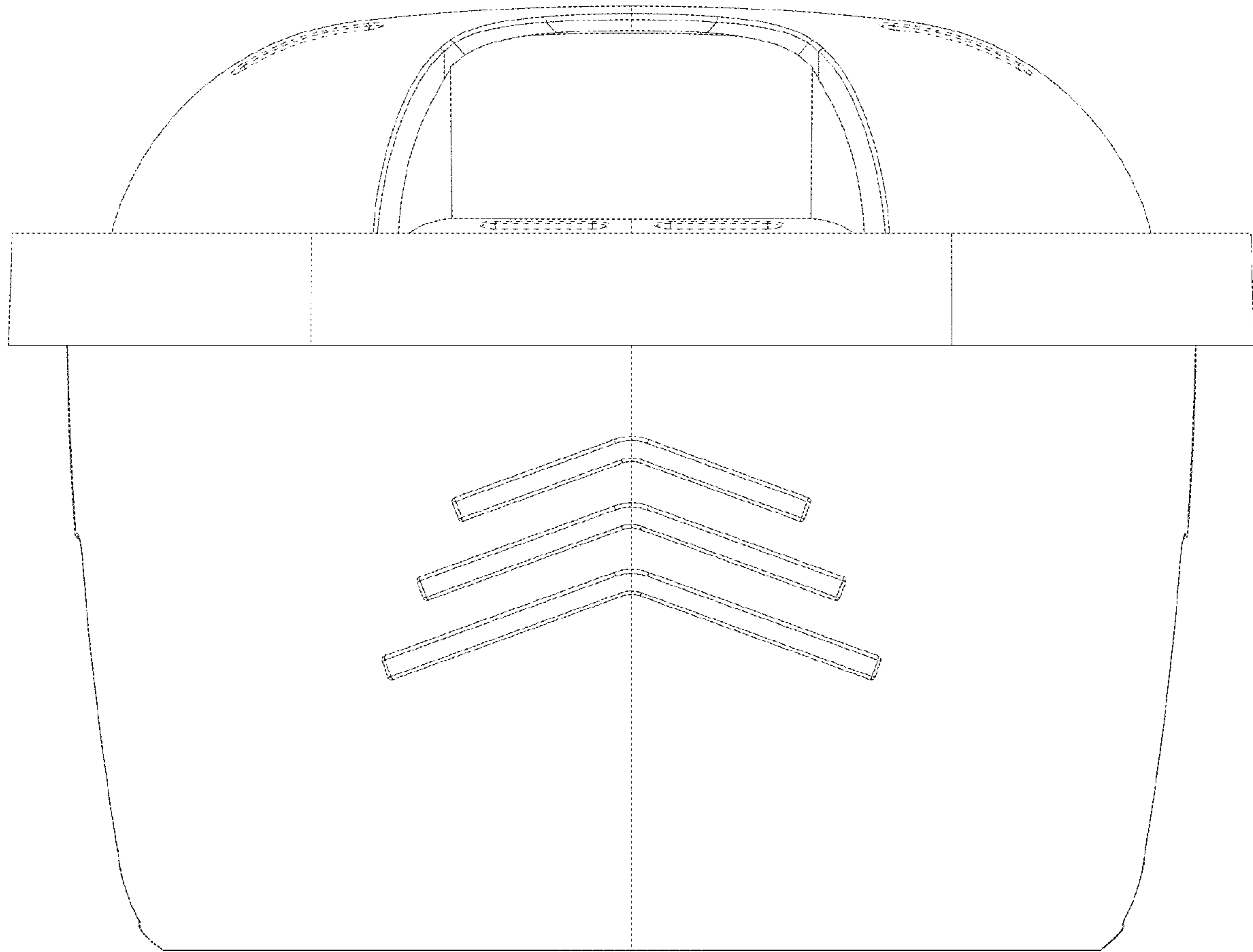


FIG. 7