



US00D863860S

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

(10) **Patent No.:** **US D863,860 S**  
(45) **Date of Patent:** **\*\* Oct. 22, 2019**

- (54) **SOLAR COOKING APPARATUS**
- (71) Applicant: **GoSun Inc.**, Cincinnati, OH (US)
- (72) Inventor: **Patrick Sherwin**, Cincinnati, OH (US)
- (73) Assignee: **GoSun Inc.**, Cincinnati, OH (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/629,340**
- (22) Filed: **Dec. 12, 2017**
- (51) **LOC (12) Cl.** ..... **07-02**
- (52) **U.S. Cl.**  
USPC ..... **D7/324**
- (58) **Field of Classification Search**  
USPC ... D7/323-324, 328-330, 347, 350.1, 350.4,  
D7/390  
CPC ..... A21B 2/00; A47J 27/21166; A47J 37/00;  
A47J 37/06; A47J 37/0611; A47J  
37/0688; A47J 37/08; A47J 37/0807;  
A47J 37/0814; A47J 37/0835; A47J  
37/0842; A47J 37/085; A47J 37/0864;  
A47J 37/0878; A47J

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,989,915 A \* 6/1961 Lonzi ..... A47J 37/0688  
219/391

4,018,212 A 4/1977 Hein et al.  
(Continued)

*Primary Examiner* — Ricky Pham

(57) **CLAIM**

The ornamental design for a solar cooking apparatus, as shown and described thereof.

**DESCRIPTION**

FIG. 1 illustrates the perspective view of the solar cooking apparatus in closed position according to the present invention;

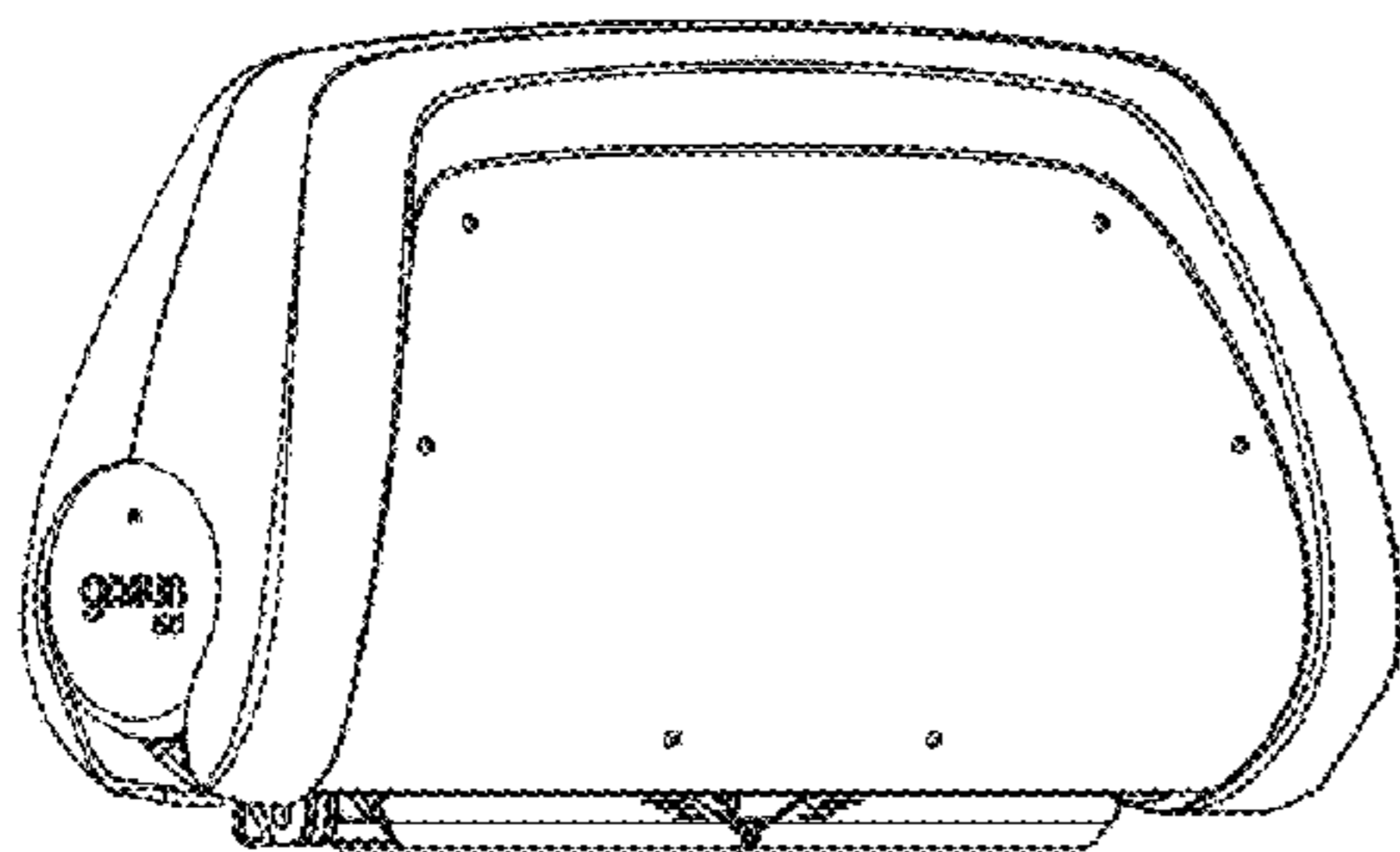
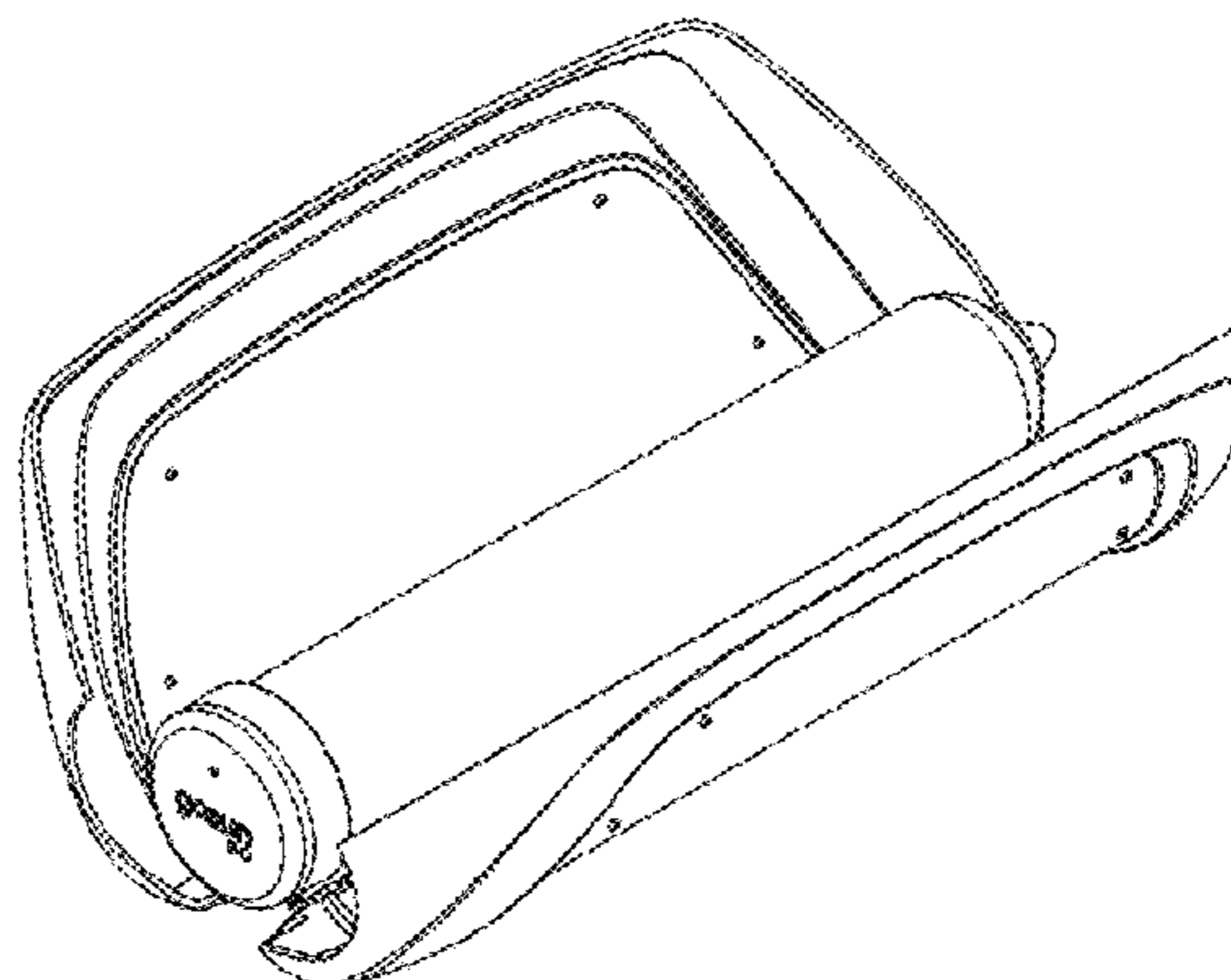


FIG. 2 illustrates the front view of the solar cooking apparatus in closed position according to the present invention; FIG. 3 illustrates the back view of the solar cooking apparatus in closed position according to the present invention; FIG. 4 illustrates the left-side view of the solar cooking apparatus in closed position according to the present invention; FIG. 5 illustrates the right-side view of the solar cooking apparatus in closed position according to the present invention; FIG. 6 illustrates the top view of the solar cooking apparatus in closed position according to the present invention; FIG. 7 illustrates the bottom view of the solar cooking apparatus in closed position according to the present invention; FIG. 8 illustrates the perspective view of the solar cooking apparatus in open position according to the present invention; FIG. 9 illustrates the front view of the solar cooking apparatus in open position according to the present invention; FIG. 10 illustrates the back view of the solar cooking apparatus in open position according to the present invention; FIG. 11 illustrates the left-side view of the solar cooking apparatus in open position according to the present invention; FIG. 12 illustrates the right-side view of the solar cooking apparatus in open position according to the present invention; FIG. 13 illustrates the top view of the solar cooking apparatus in open position according to the present invention; and, FIG. 14 illustrates the bottom view of the solar cooking apparatus in open position according to the present invention.

**1 Claim, 14 Drawing Sheets**



(58) **Field of Classification Search**  
 CPC ..... 37/0885; A47J 37/0892; F21V 7/08; F24C  
 15/10; F24C 15/102; F24S 10/45; F24S  
 20/30; F24S 40/10  
 See application file for complete search history.

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

4,099,516 A \* 7/1978 Caulier ..... F21V 7/08  
 126/667  
 4,134,392 A \* 1/1979 Livermore ..... F24S 10/45  
 126/657  
 D256,656 S \* 9/1980 Naccach ..... D7/324  
 4,442,828 A \* 4/1984 Takeuchi ..... F24S 20/30  
 126/681  
 4,475,528 A 10/1984 Kuchenbrod  
 4,583,521 A 4/1986 Ciambella et al.

D433,867 S \* 11/2000 Hsu ..... A47J 37/0688  
 D7/350.4  
 D442,016 S \* 5/2001 Park ..... A47J 27/21166  
 D7/347  
 D451,333 S \* 12/2001 Hsu ..... F24S 20/30  
 D7/350.4  
 6,927,366 B2 8/2005 Sawhney et al.  
 D703,993 S \* 5/2014 Garman ..... F24S 10/45  
 D7/350.1  
 9,377,215 B2 6/2016 Sherwin  
 9,671,135 B2 6/2017 Lin  
 D799,882 S \* 10/2017 Sherwin ..... F24S 40/10  
 D7/324  
 10,222,094 B2 \* 3/2019 Sherwin ..... F24S 40/10  
 2011/0006054 A1 1/2011 Garcia  
 2015/0044345 A1 2/2015 Sherwin  
 2015/0208848 A1 \* 7/2015 Huang ..... A47J 27/21166  
 99/403  
 2016/0161150 A1 6/2016 Zintel et al.  
 \* cited by examiner

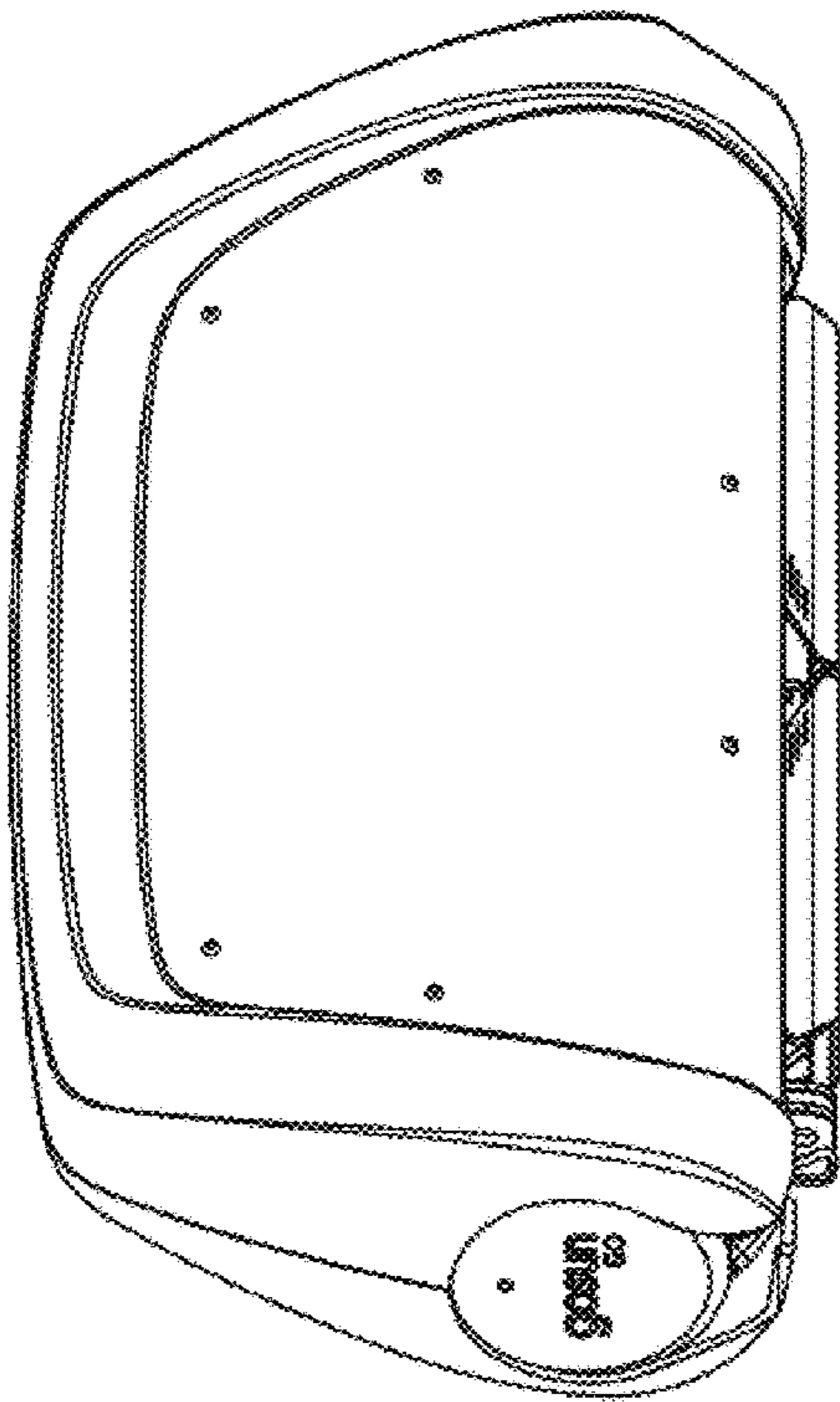


FIG. 1

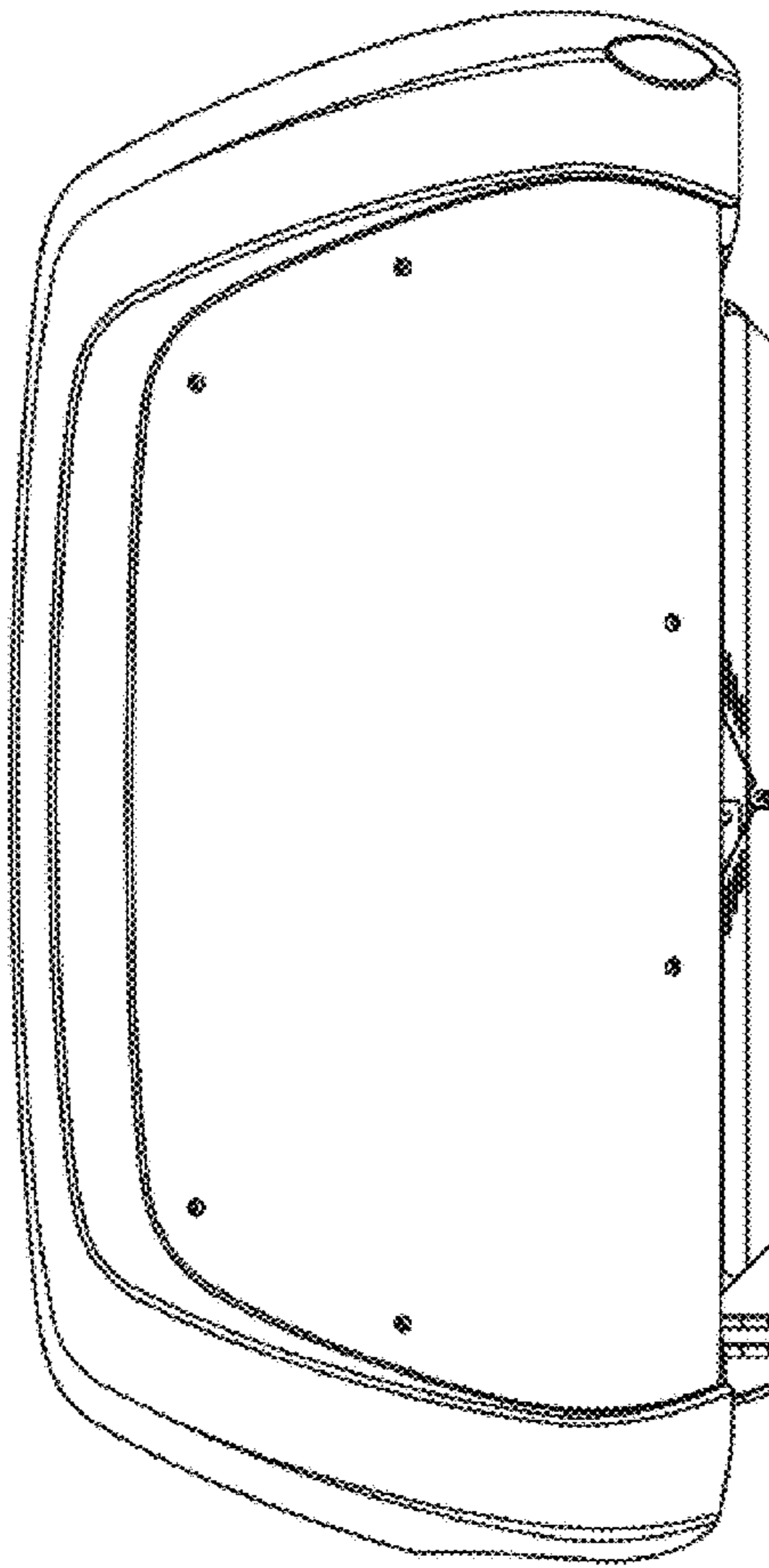


FIG. 2

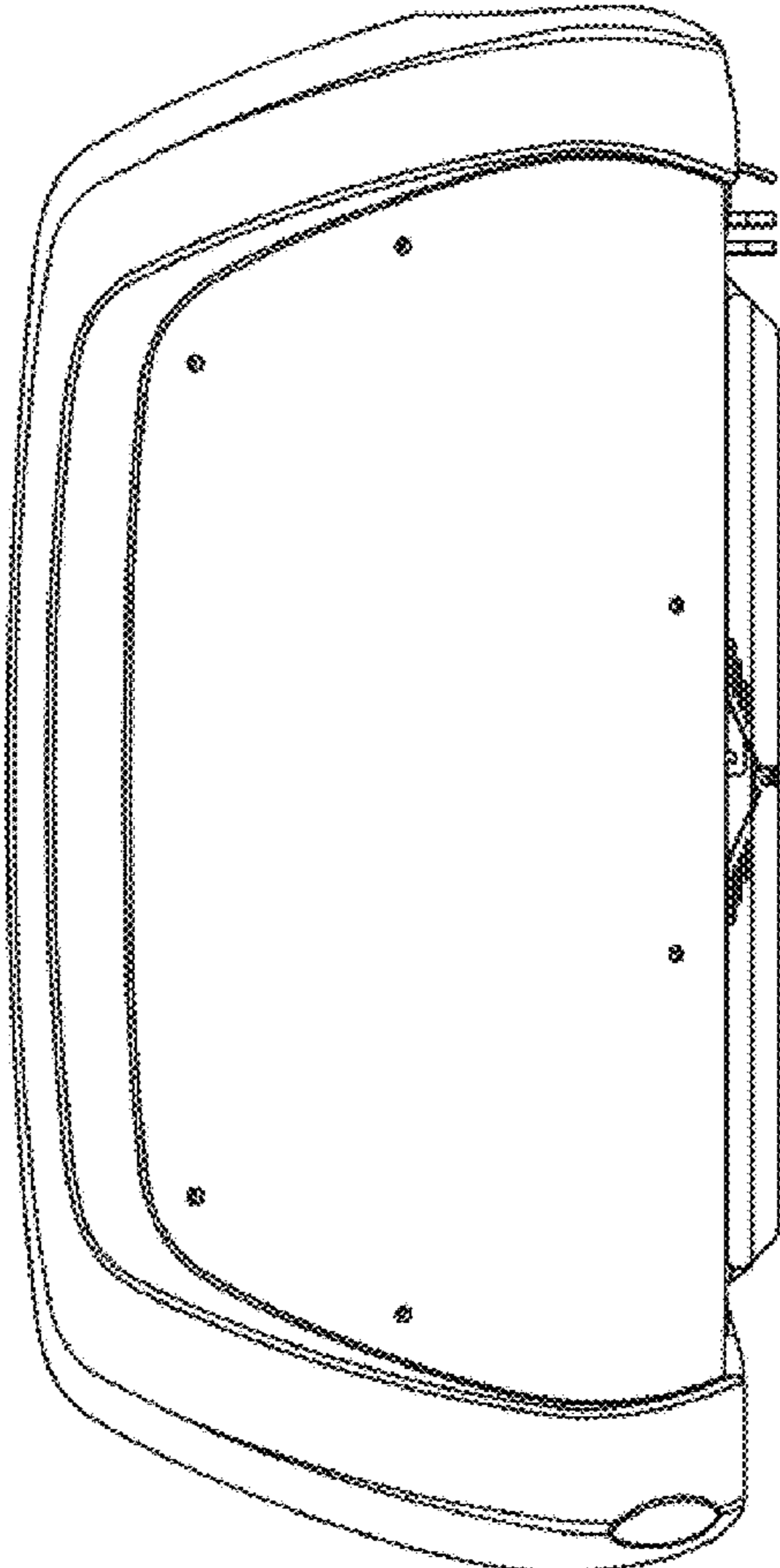


FIG. 3

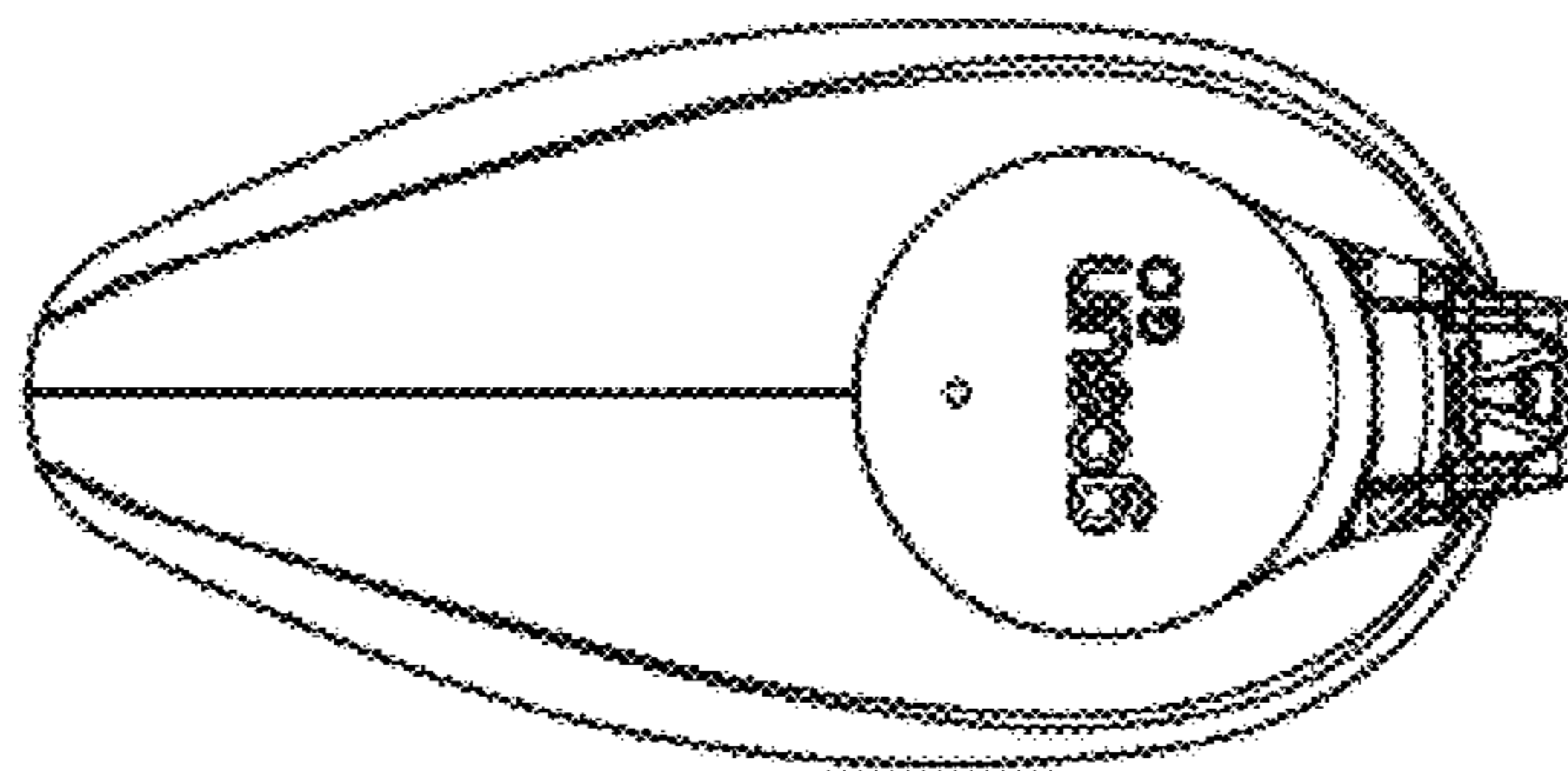


FIG. 4

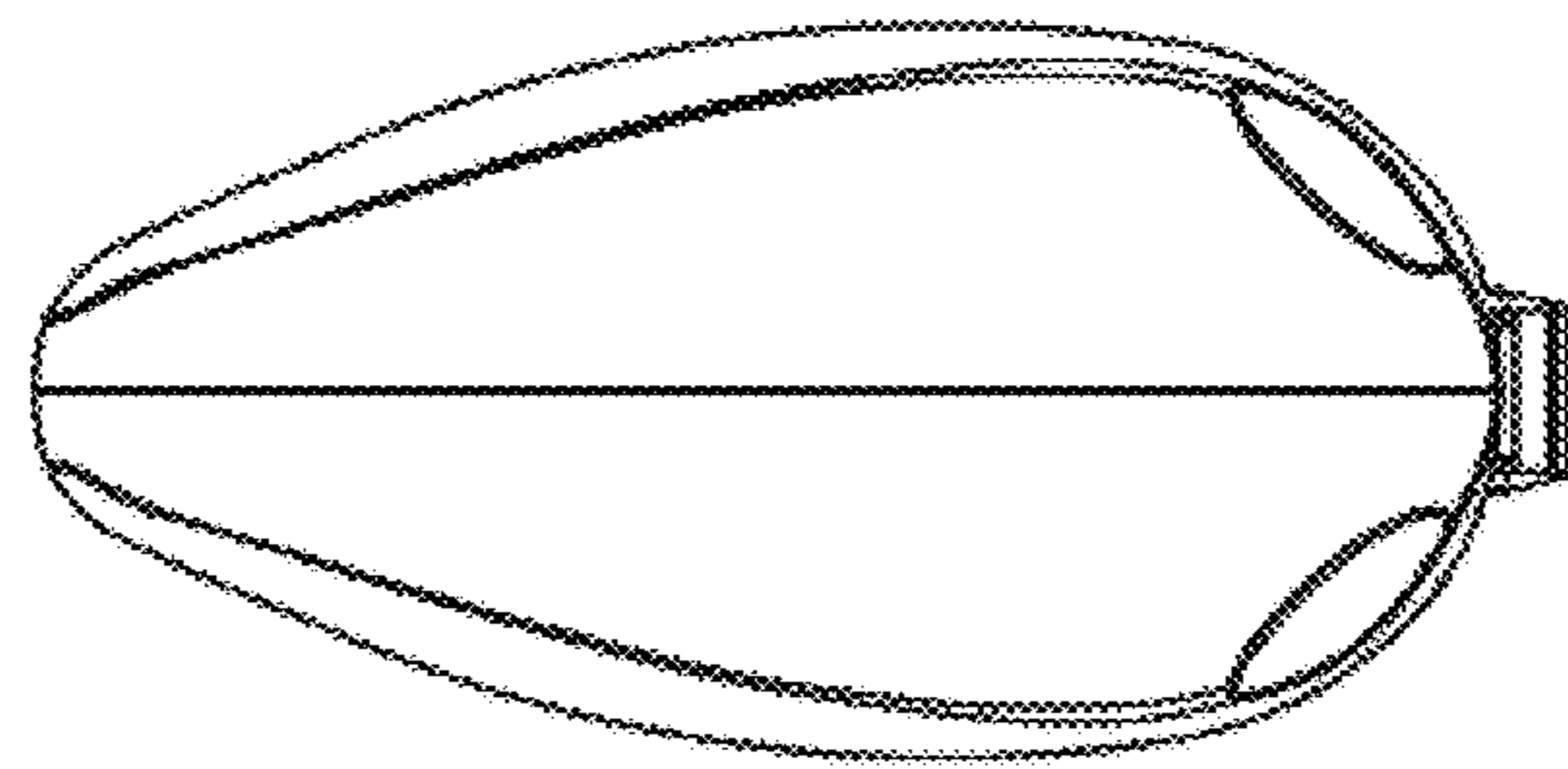


FIG. 5

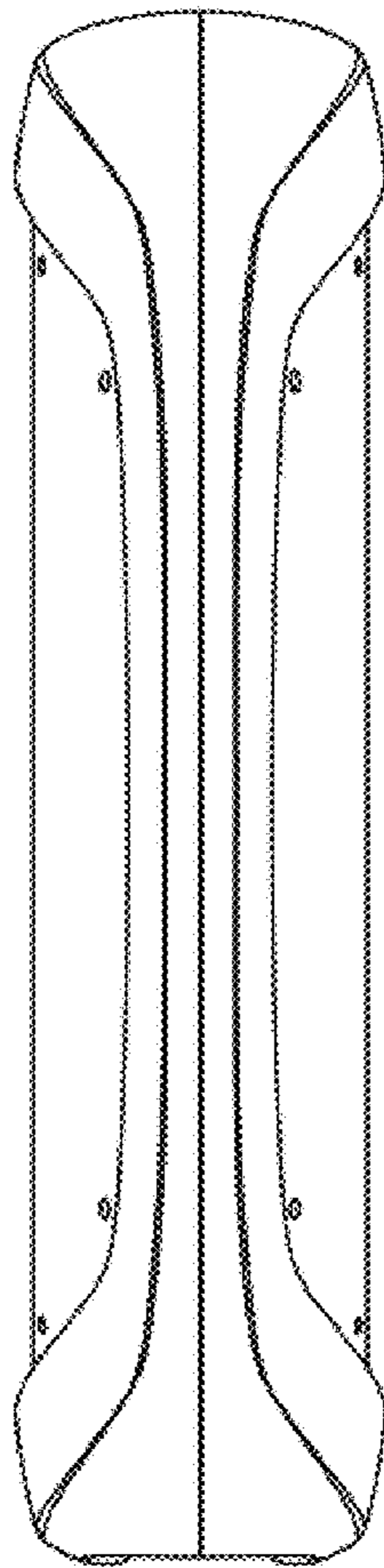


FIG. 6



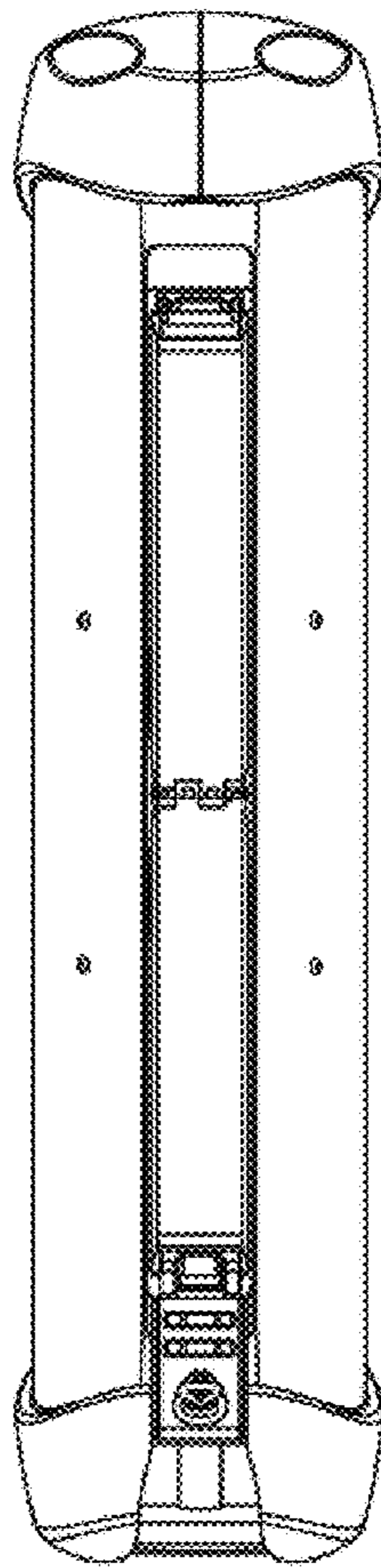


FIG. 7

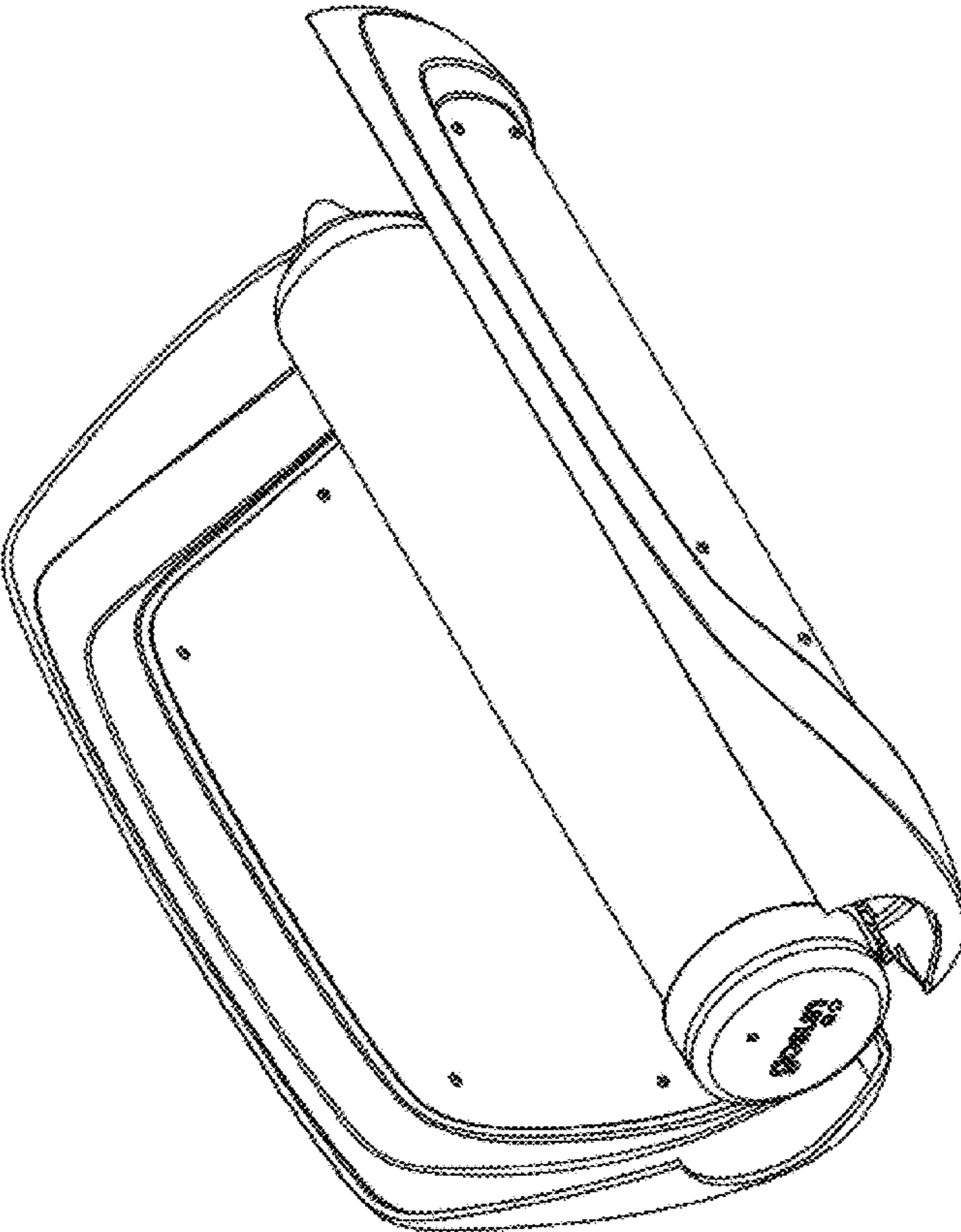


FIG. 8

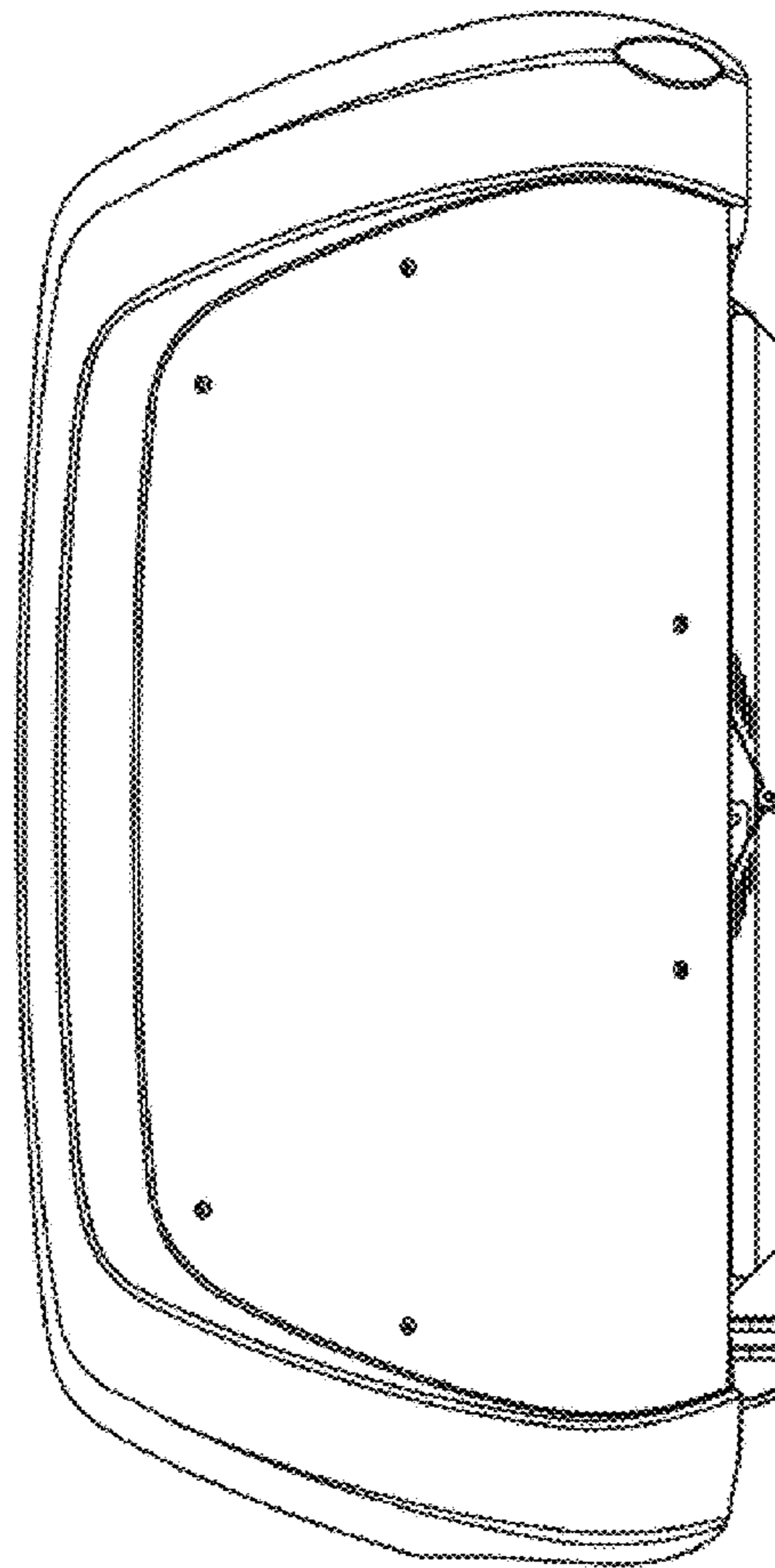


FIG. 9

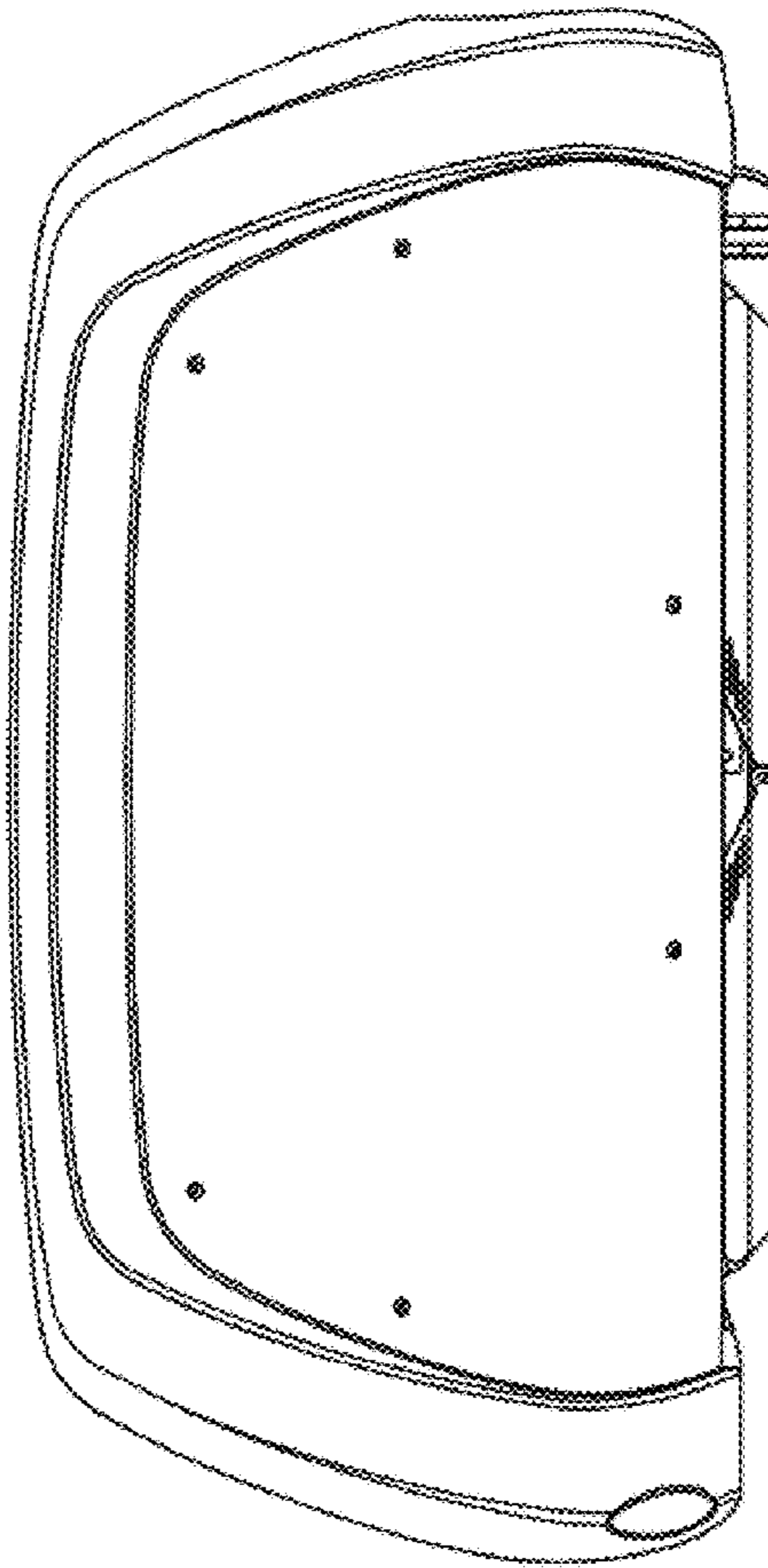


FIG. 10

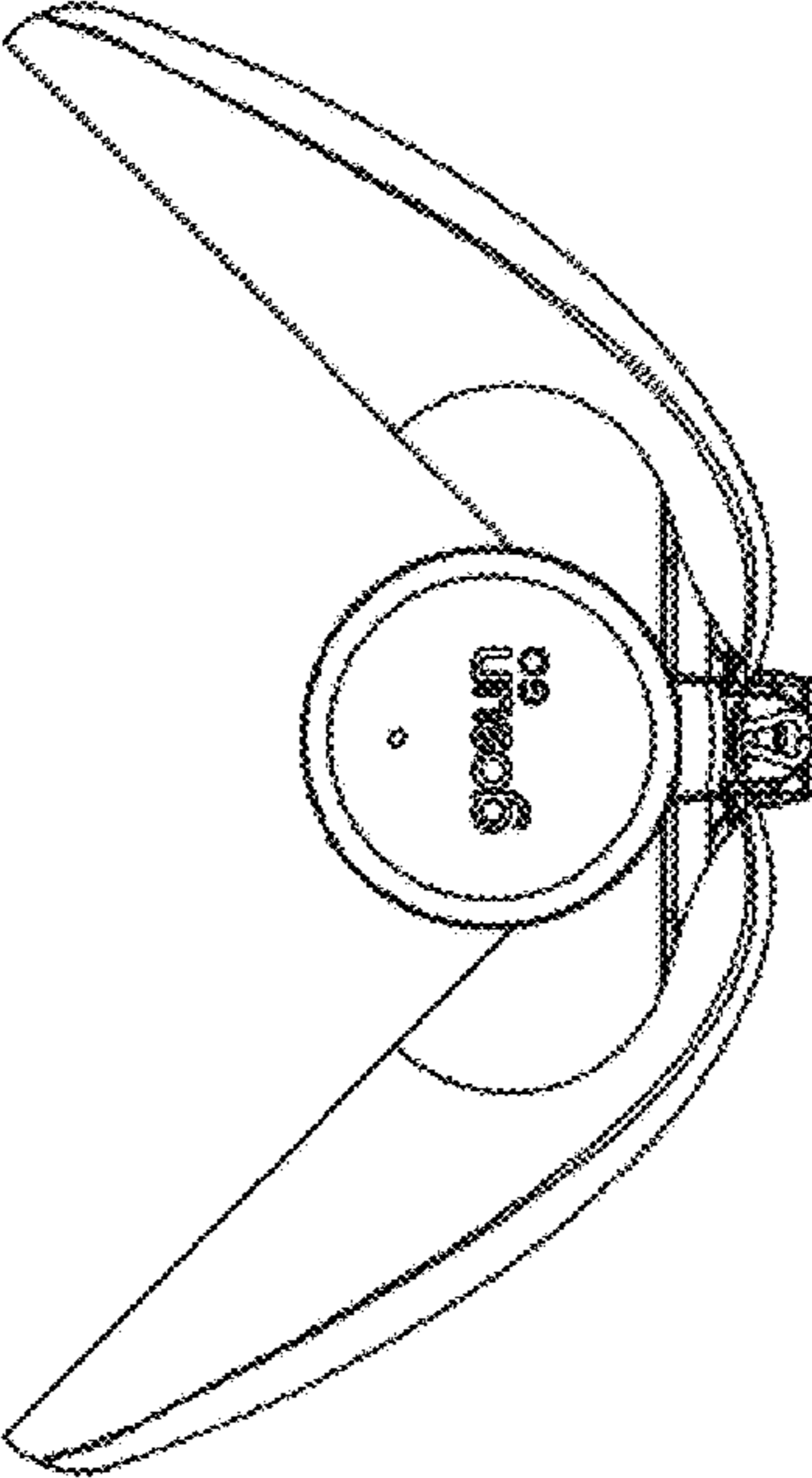


FIG. 11

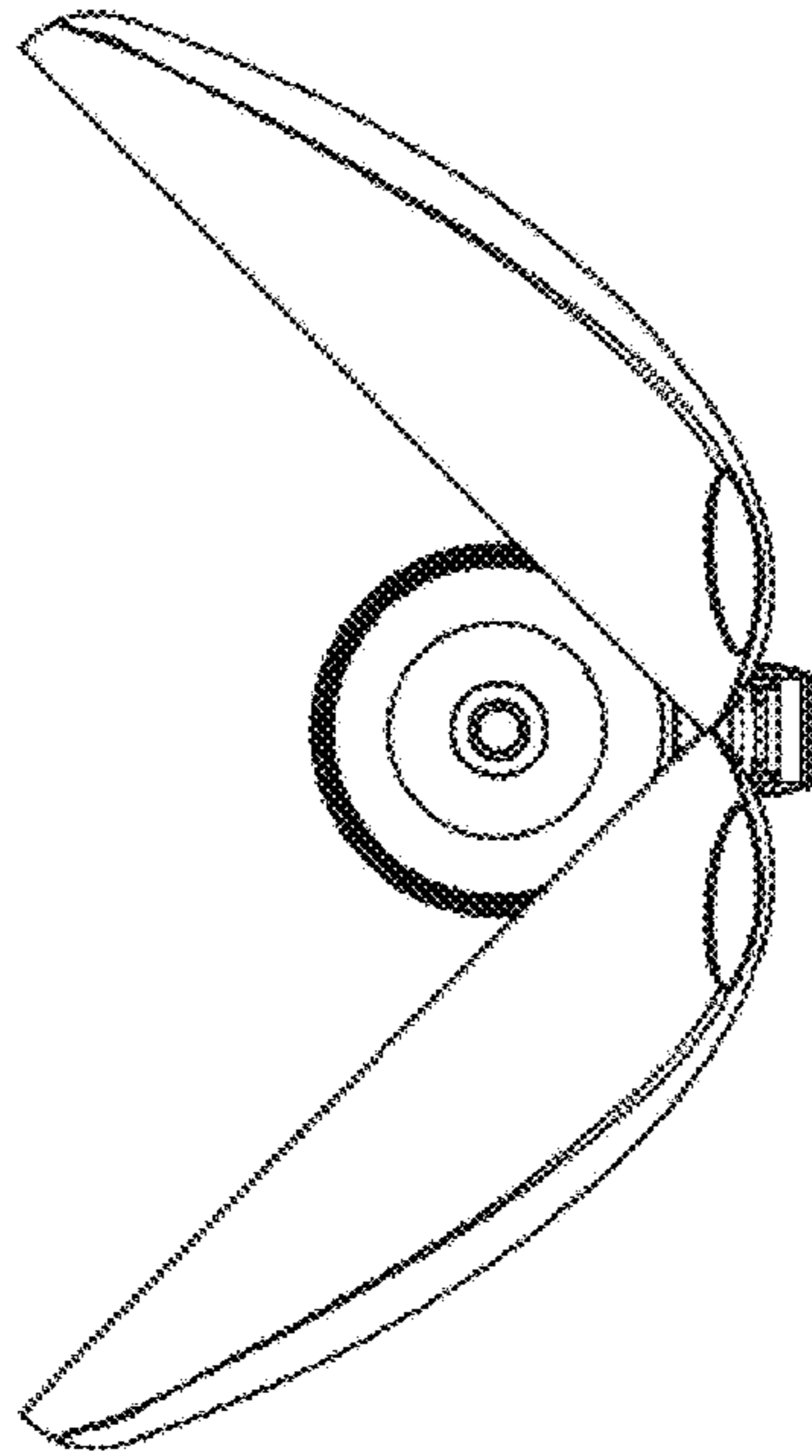


FIG. 12

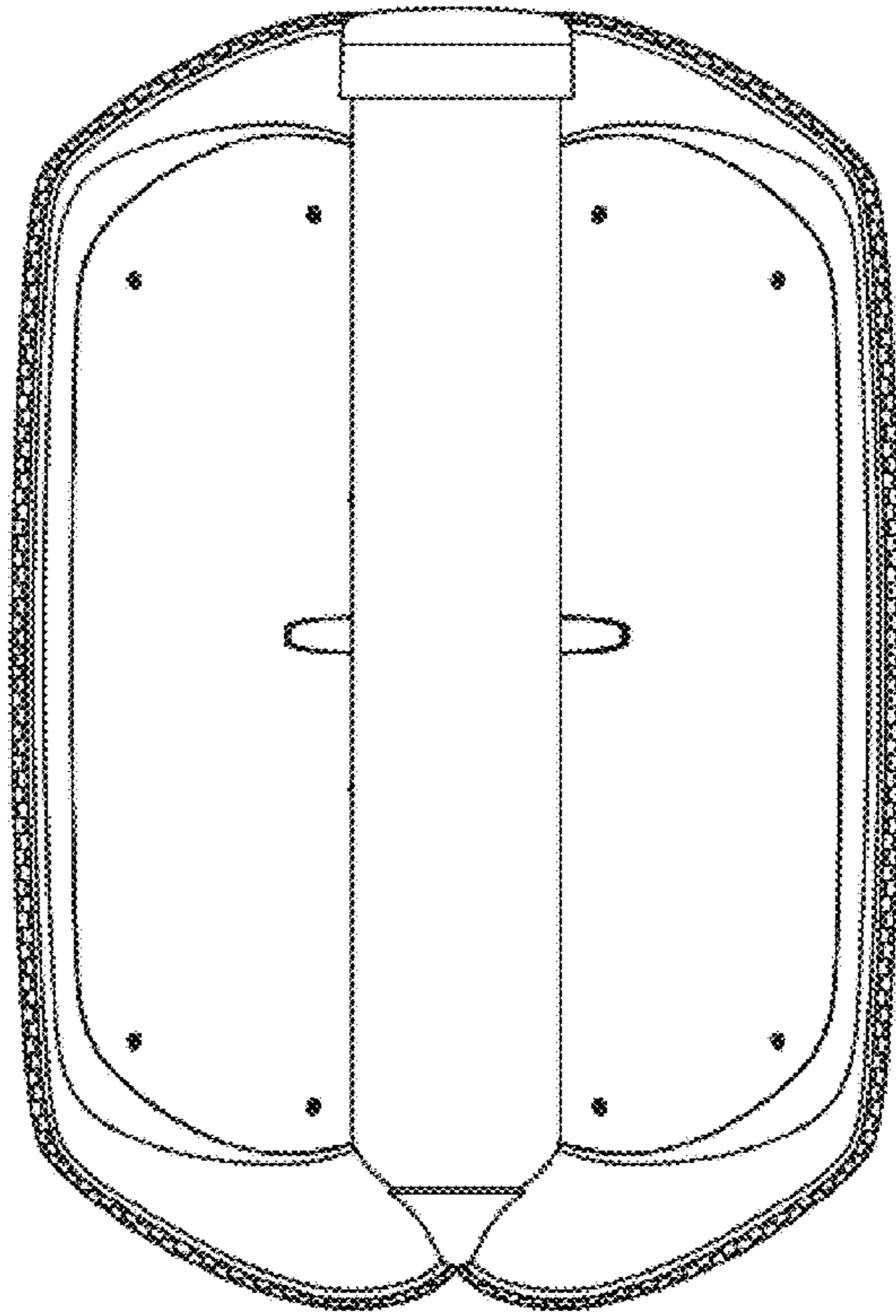


FIG. 13

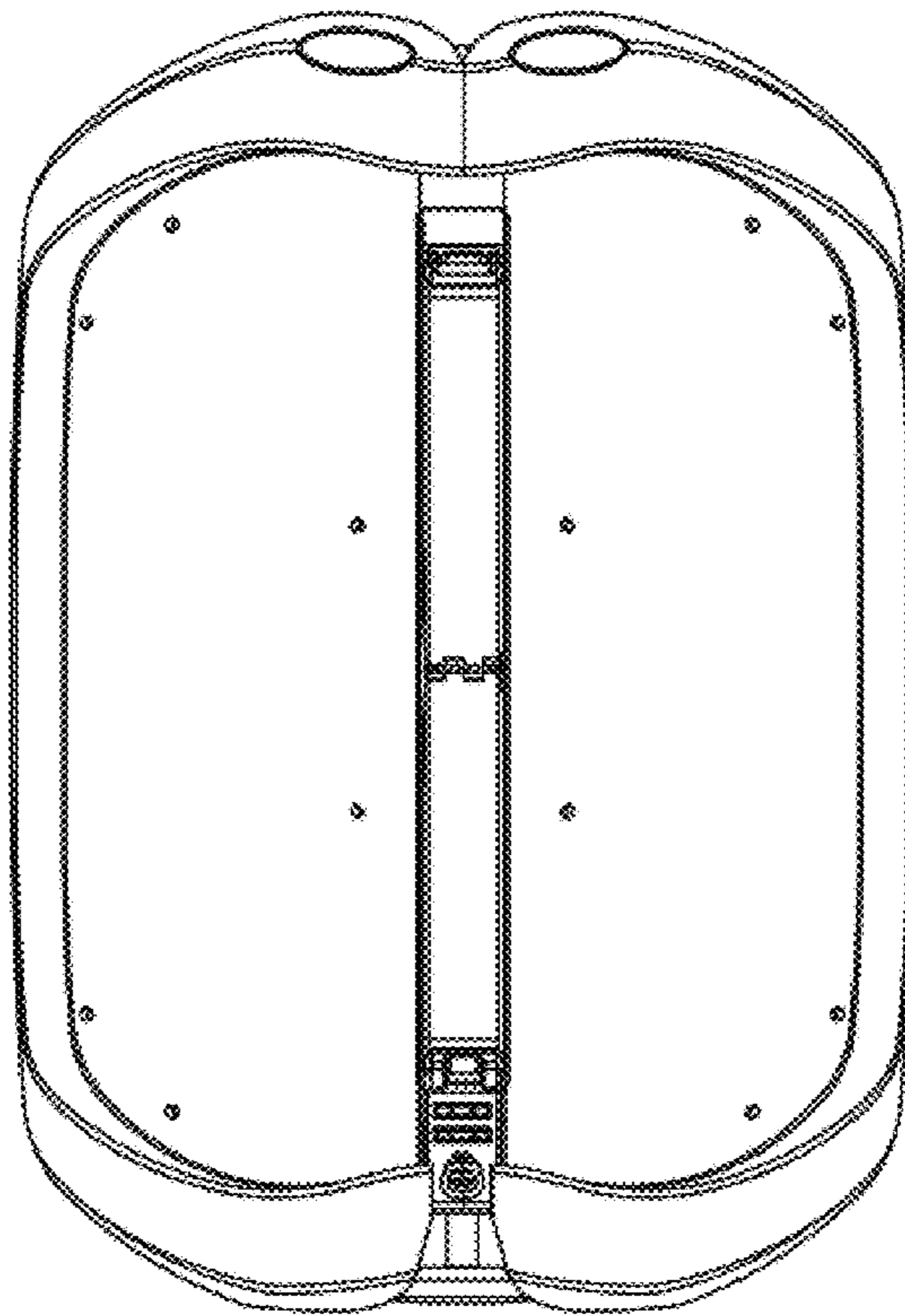


FIG. 14