



US00D882076S

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

(10) **Patent No.:** **US D882,076 S**  
(45) **Date of Patent:** **\*\* Apr. 21, 2020**

(54) **ADJUSTABLE LOCK**

**DESCRIPTION**

- (71) Applicant: **HOYA Corporation**, Tokyo (JP)
- (72) Inventors: **Robb Morse Gavalis**, Westborough, MA (US); **Christopher Kadamus**, Boston, MA (US)
- (73) Assignee: **HOYA CORPORATION**, Tokyo (JP)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/643,312**
- (22) Filed: **Apr. 6, 2018**
- (51) **LOC (12) Cl.** ..... **24-02**
- (52) **U.S. Cl.**  
USPC ..... **D24/129**
- (58) **Field of Classification Search**  
USPC ..... D24/127-131, 112-114, 133, 186;  
606/181, 185; 604/264, 523-528, 272,  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

6,796,586 B2 9/2004 Werth  
7,413,561 B2\* 8/2008 Raulerson ..... A61M 25/02  
604/174

(Continued)

**FOREIGN PATENT DOCUMENTS**

WO WO 2010/023460 A1 3/2010

**OTHER PUBLICATIONS**

U.S. Appl. No. 15/584,844; Adjustable Endoscopic Locks; Robb Morse Gavalis et al; filed May 2, 2017.

*Primary Examiner* — David G Muller

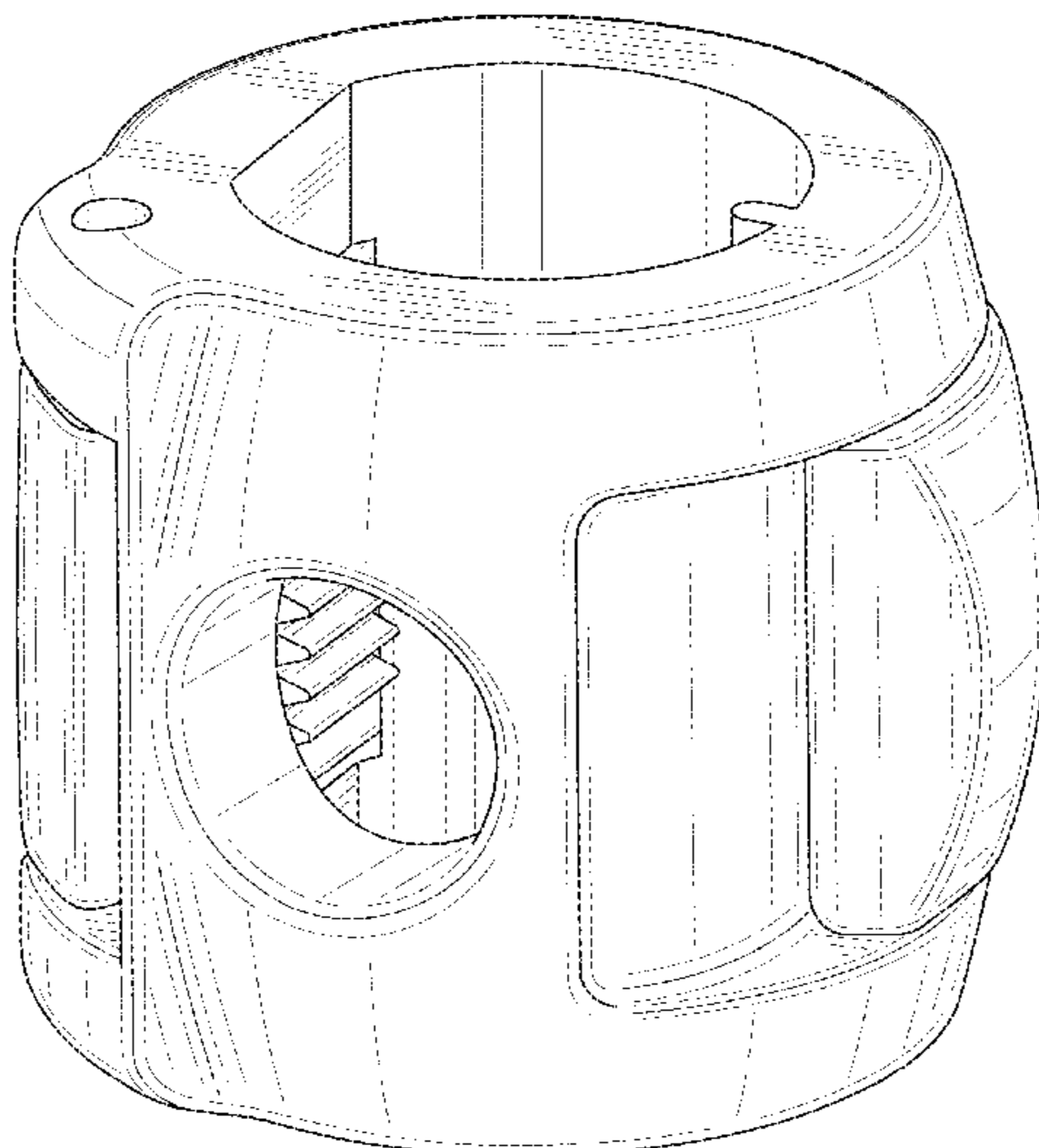
(74) *Attorney, Agent, or Firm* — Finnegan, Henderson, Farabow, Garrett & Dunner, LLP

(57) **CLAIM**

The ornamental design for an adjustable lock, as shown and described.

FIG. 1 is a front, left, top perspective view of a first embodiment of an adjustable lock in a closed configuration showing our new design;  
 FIG. 2 is a front, right, top perspective view thereof;  
 FIG. 3 is a rear, right, bottom perspective view thereof;  
 FIG. 4 is a rear, left, bottom perspective view thereof;  
 FIG. 5 is a front elevation view thereof;  
 FIG. 6 is a rear elevation view thereof;  
 FIG. 7 is a right side view thereof;  
 FIG. 8 is a left side view thereof;  
 FIG. 9 is a top plan view thereof;  
 FIG. 10 is a bottom plan view thereof;  
 FIG. 11 is a cross-sectional view thereof as indicated in FIG. 5;  
 FIG. 12 is a front, left, top perspective view of the adjustable lock of FIG. 1 in an open configuration;  
 FIG. 13 is a front, right, top perspective view thereof;  
 FIG. 14 is a rear, right, bottom perspective view thereof;  
 FIG. 15 is a rear, left, bottom perspective view thereof;  
 FIG. 16 is a front elevation view thereof;  
 FIG. 17 is a rear elevation view thereof;  
 FIG. 18 is a right side view thereof;  
 FIG. 19 is a left side view thereof;  
 FIG. 20 is a top plan view thereof;  
 FIG. 21 is a bottom plan view thereof;  
 FIG. 22 is a cross-sectional view thereof as indicated in FIG. 16;  
 FIG. 23 is a front, left, top perspective view of the adjustable lock of FIG. 1 with a cylindrical rail member inserted therein, the cylindrical rail member forming no part of the claimed design; and,  
 FIG. 24 is a front, left, top perspective view of the adjustable lock of FIG. 12 with a cylindrical rail member inserted therein, the cylindrical rail member forming no part of the claimed design.  
 The broken lines shown in the drawings depict portions of the adjustable lock and the rail member that form no part of the claimed design.

**1 Claim, 24 Drawing Sheets**



(58) **Field of Classification Search**

USPC ..... 604/187, 158, 164.01–164.11, 181, 184,  
604/227; 600/101, 139, 143;  
128/200.24, 207.14, 207.15  
CPC .. A61M 25/065; A61M 5/42; A61M 25/0612;  
A61M 25/00; A61M 39/00; A61M 27/00;  
A61M 25/0043; A61M 25/0067; A61F  
2/958

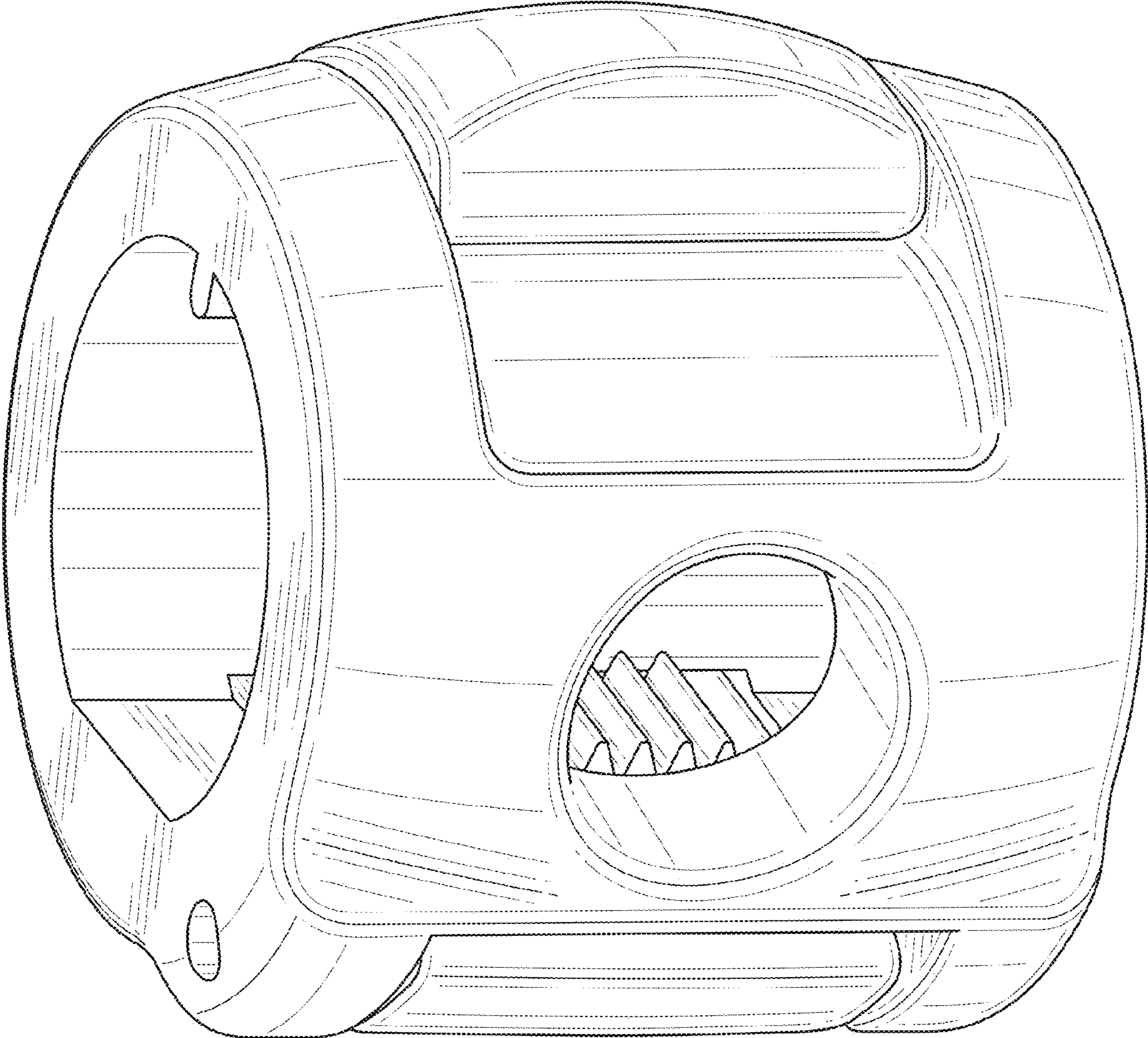
See application file for complete search history.

(56) **References Cited**

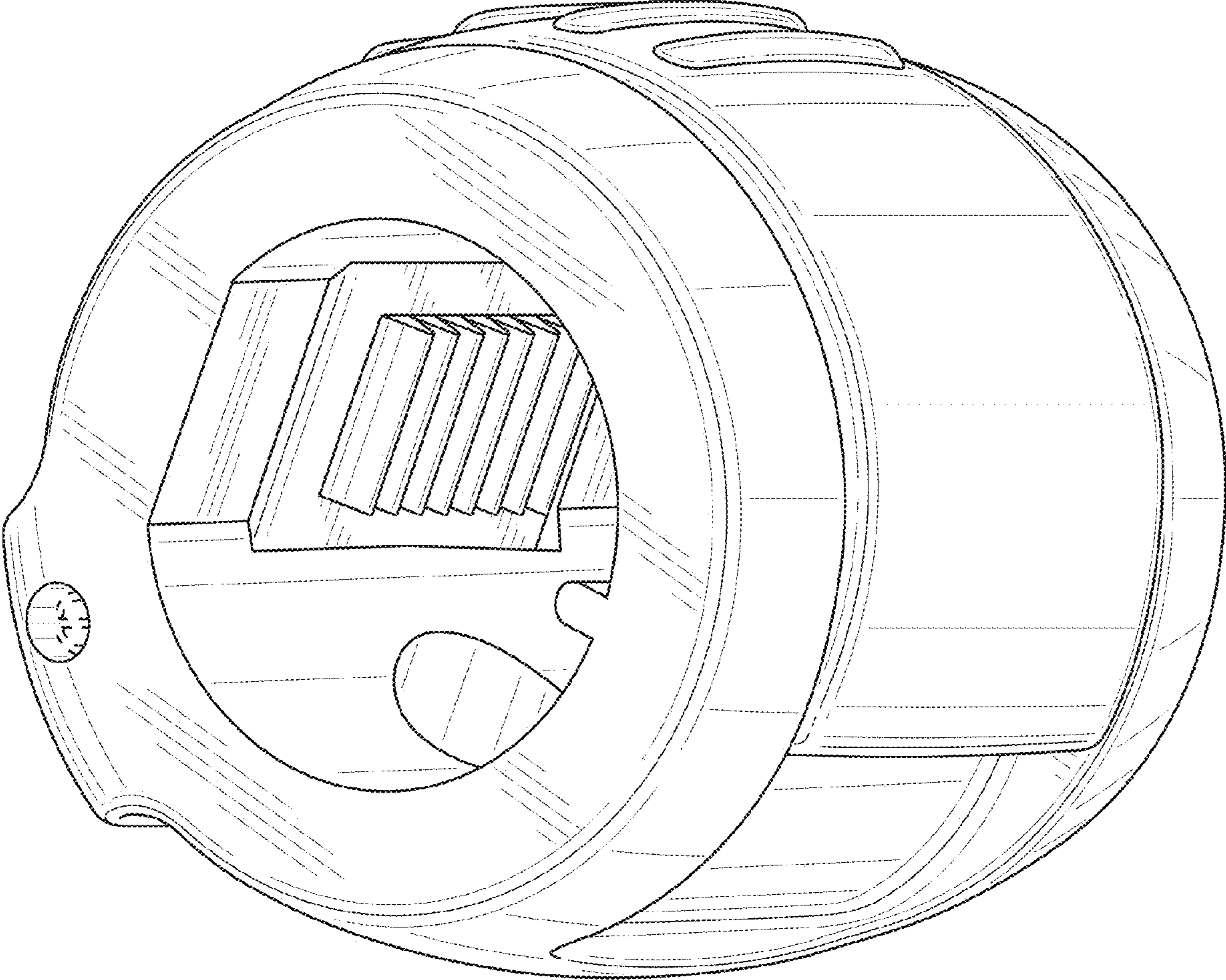
U.S. PATENT DOCUMENTS

D624,181 S \* 9/2010 Harata ..... D24/129  
7,927,271 B2 4/2011 Dimitriou et al.  
8,460,176 B2 6/2013 McGrath  
8,597,242 B2 12/2013 Fink  
D709,190 S \* 7/2014 Gilreath ..... D24/133  
8,882,713 B1 \* 11/2014 Call ..... A61M 25/09  
604/164.01  
9,717,888 B2 \* 8/2017 Sos ..... A61M 25/09  
D797,942 S \* 9/2017 Krauss ..... D24/186  
D800,899 S \* 10/2017 Adams ..... D24/129  
D815,277 S \* 4/2018 Eury ..... D24/129  
D838,363 S \* 1/2019 Katagiri ..... D24/127  
D845,474 S \* 4/2019 Gloria Bello ..... D24/129  
D846,737 S \* 4/2019 Karasawa ..... D24/130  
D851,243 S \* 6/2019 Gloria Bello ..... D24/129  
2012/0226101 A1 9/2012 Tinkham et al.  
2018/0296439 A1 \* 10/2018 Chih ..... A61J 1/2096

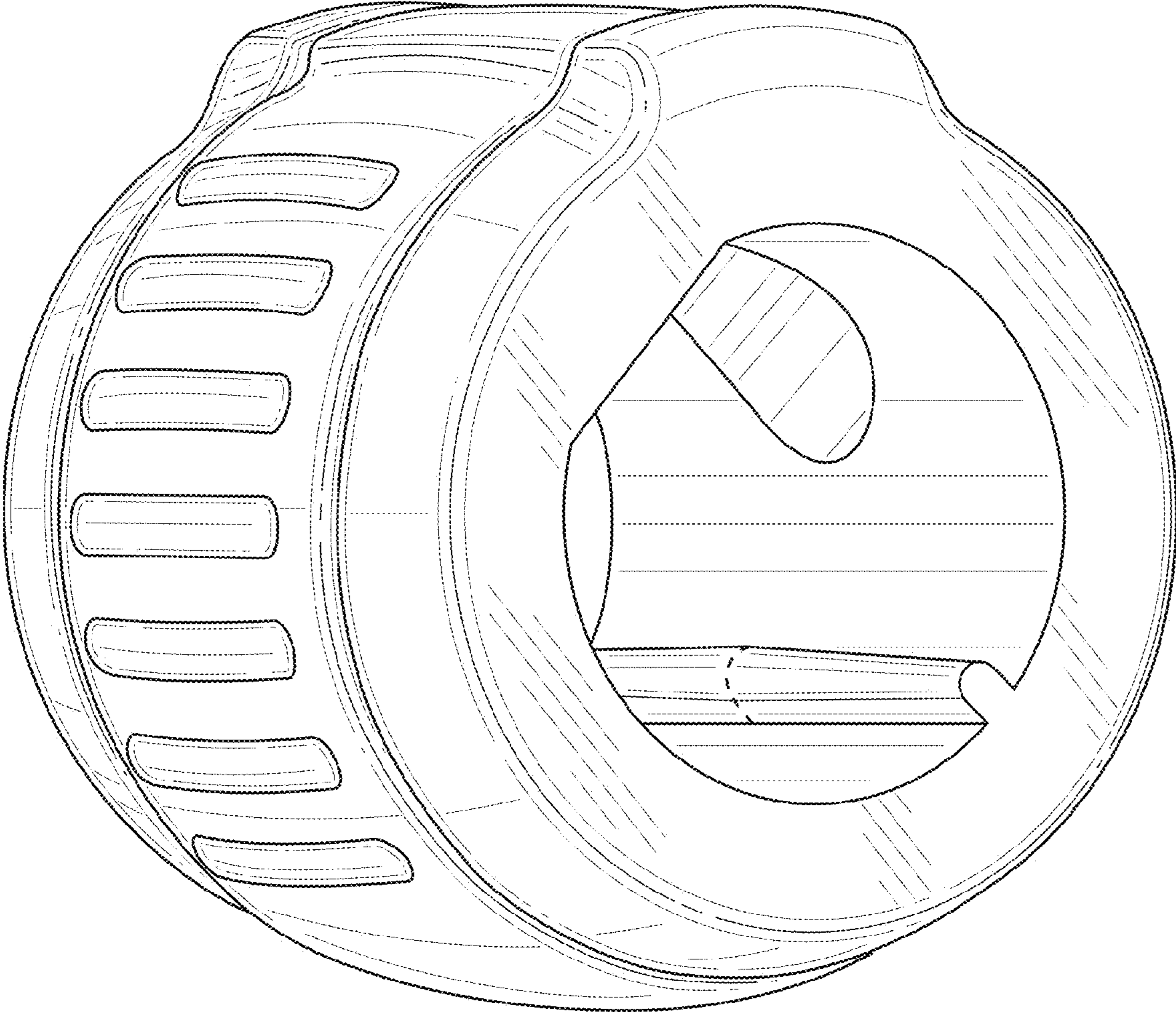
\* cited by examiner



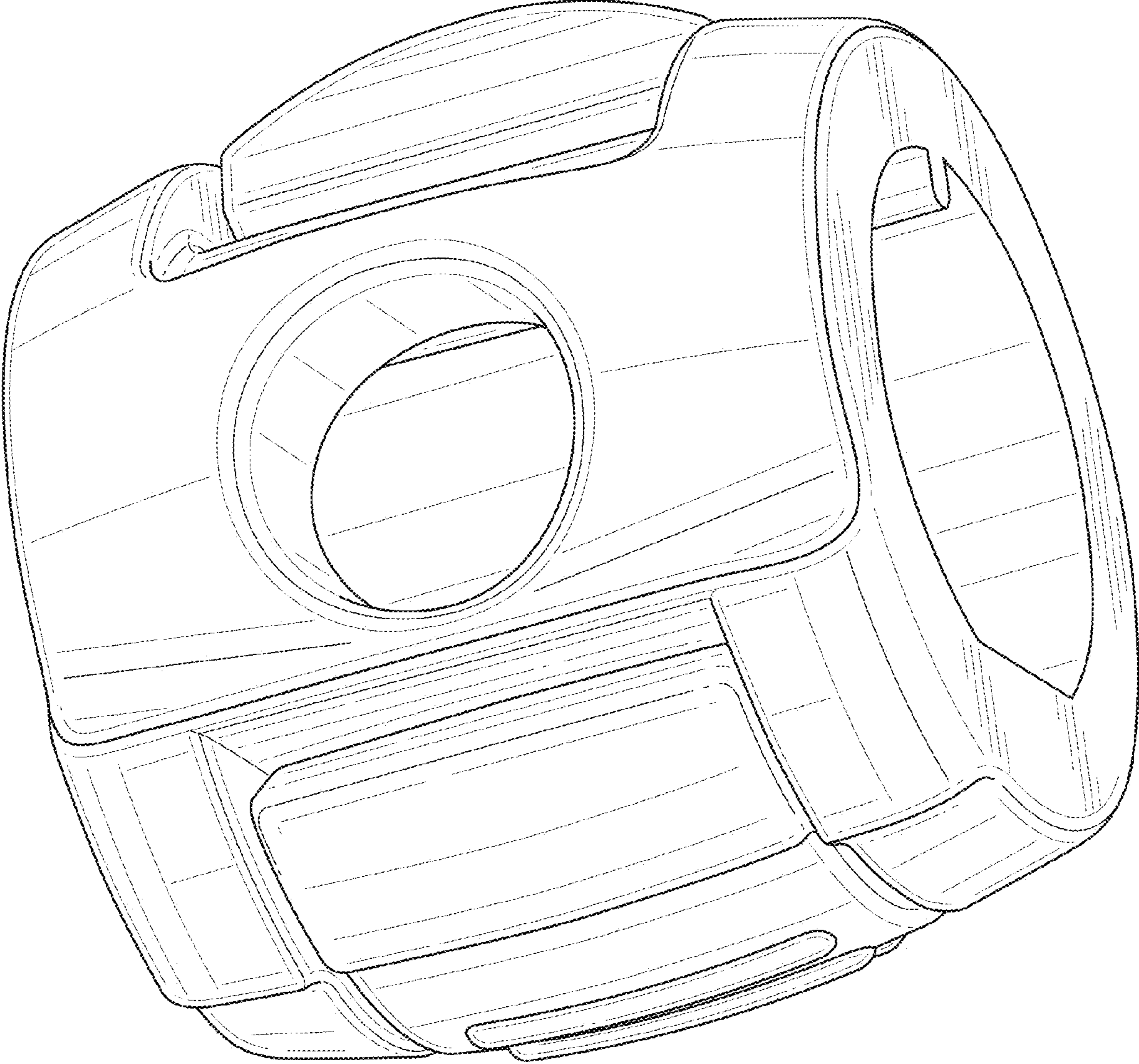
**FIG. 1**



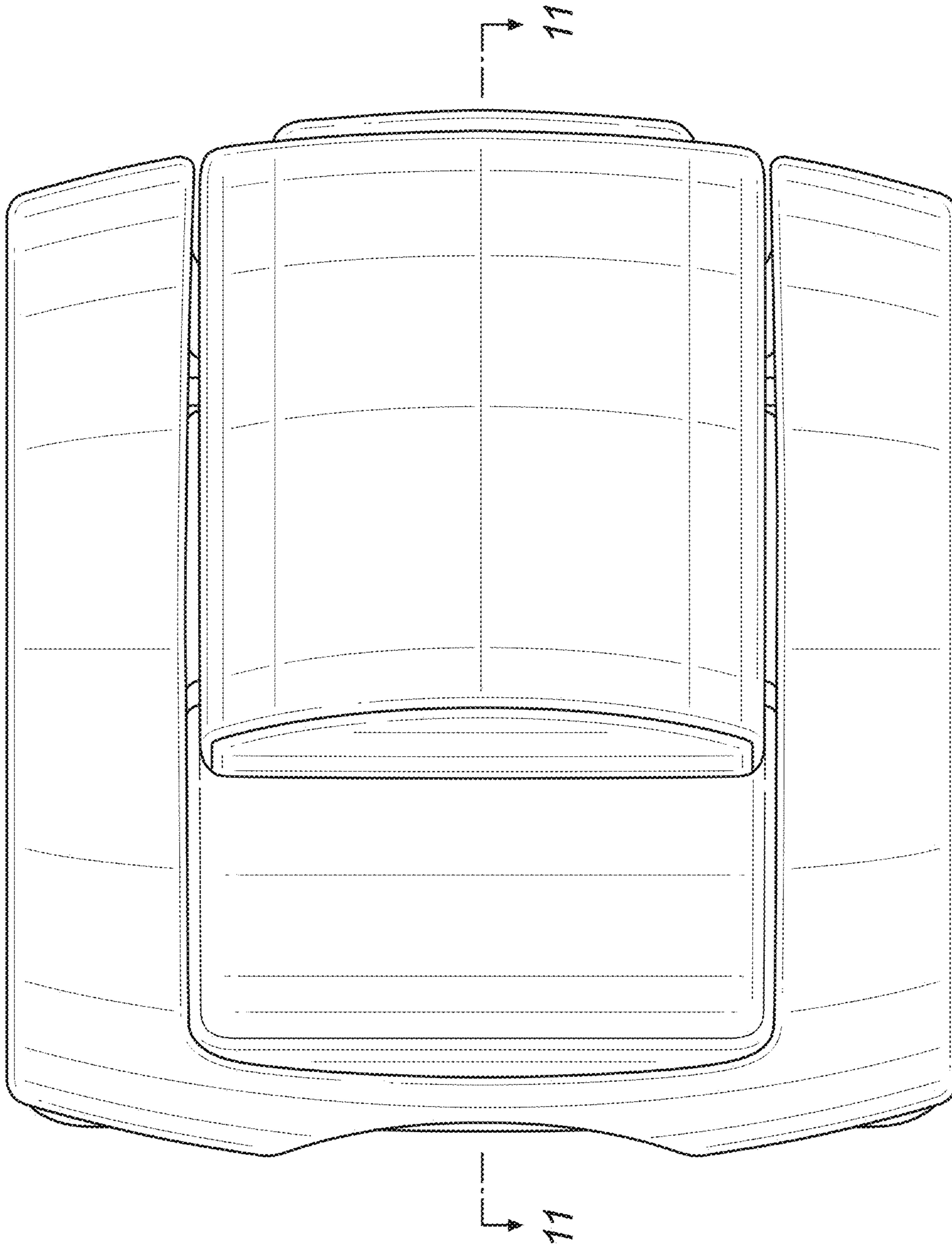
**FIG. 2**



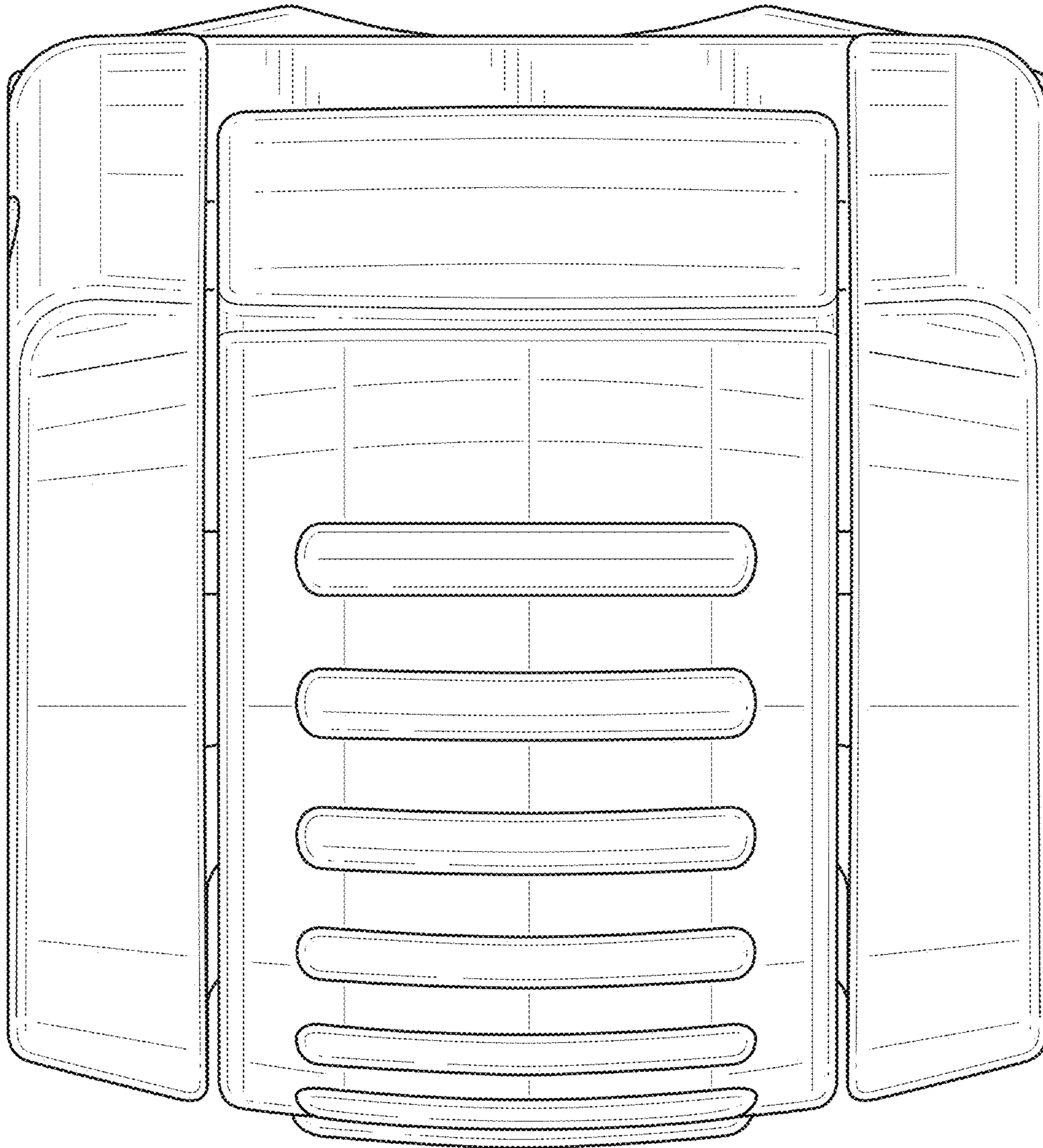
**FIG. 3**



**FIG. 4**

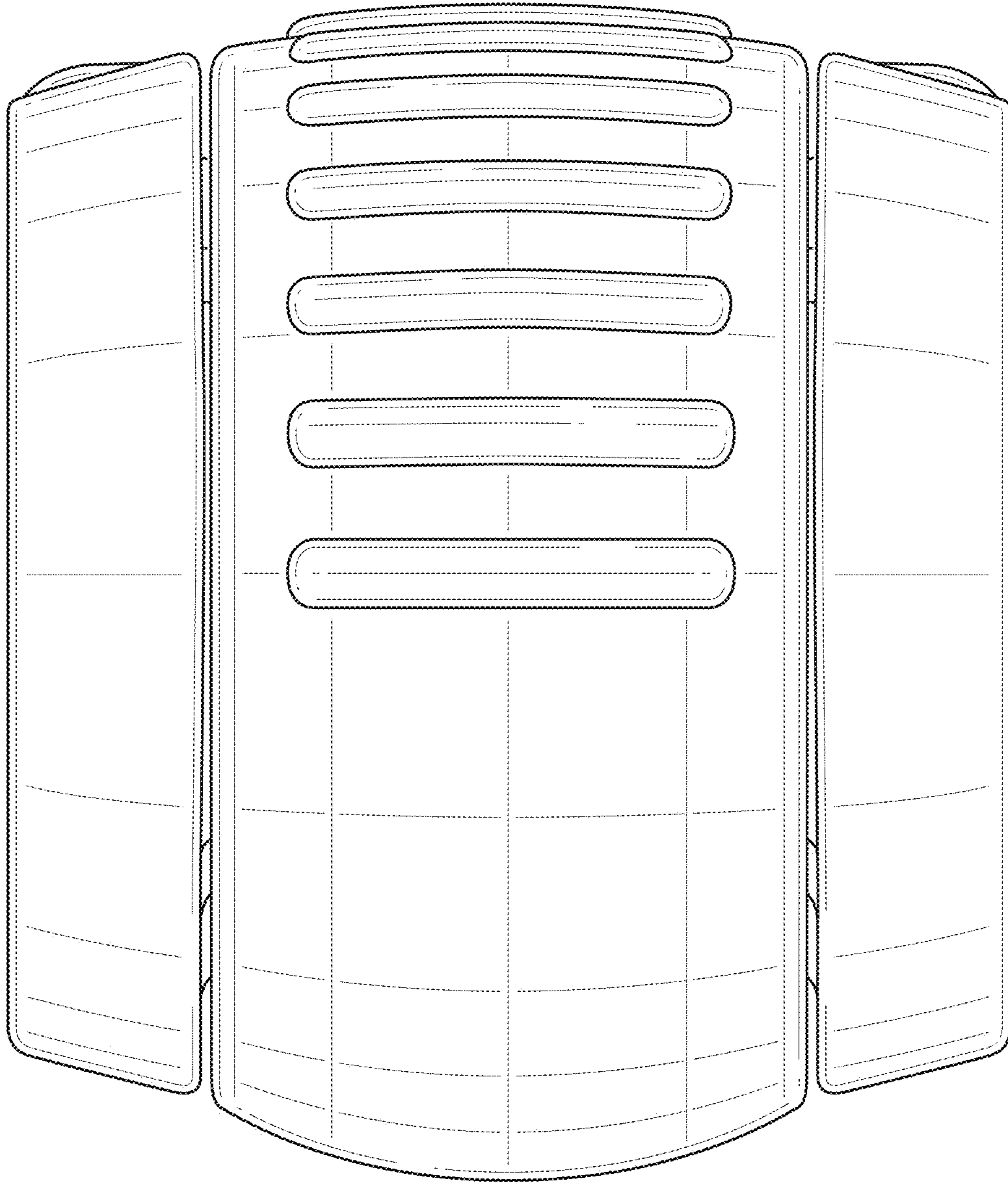


**FIG. 5**

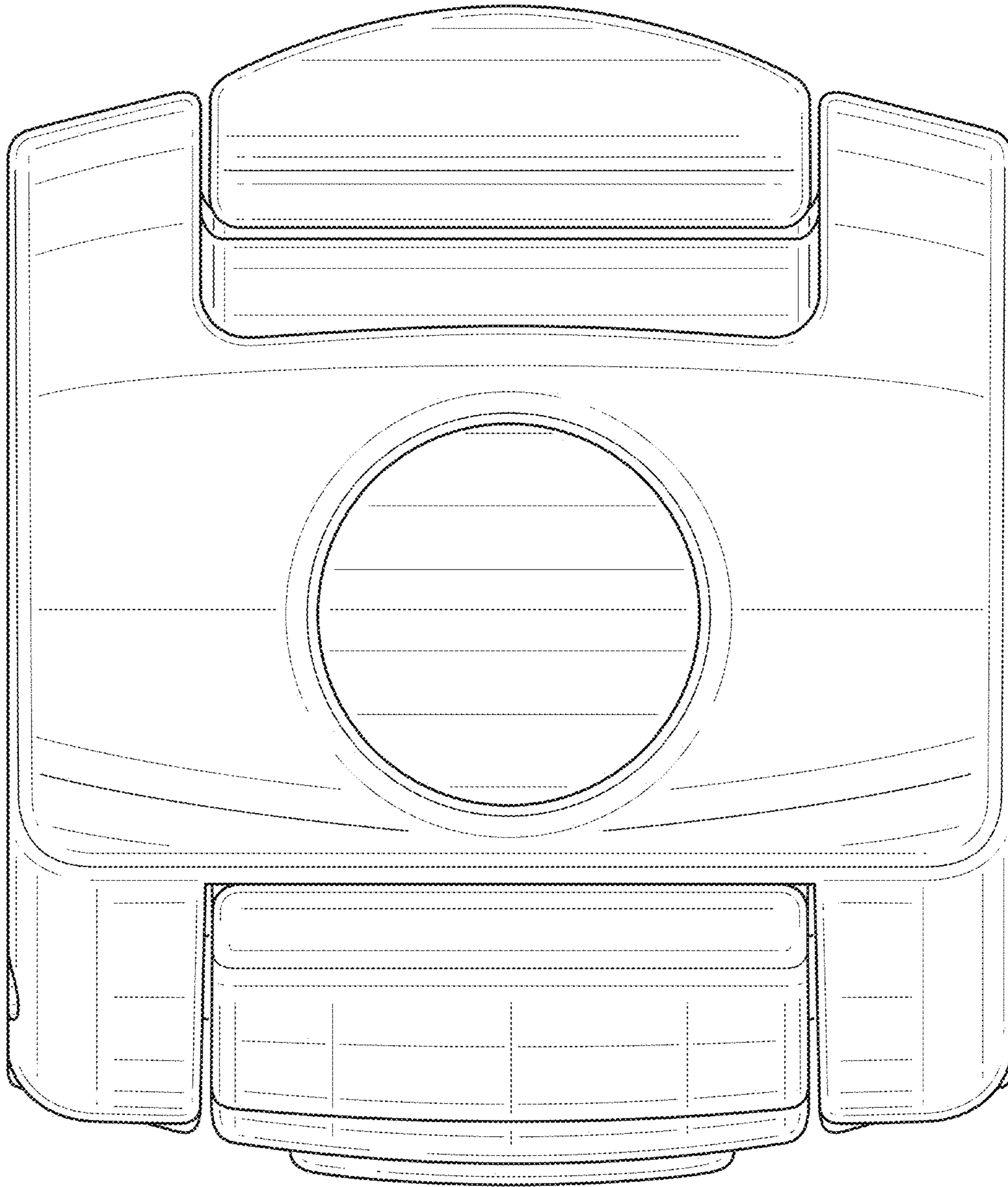


**FIG. 6**





**FIG. 7**



**FIG. 8**

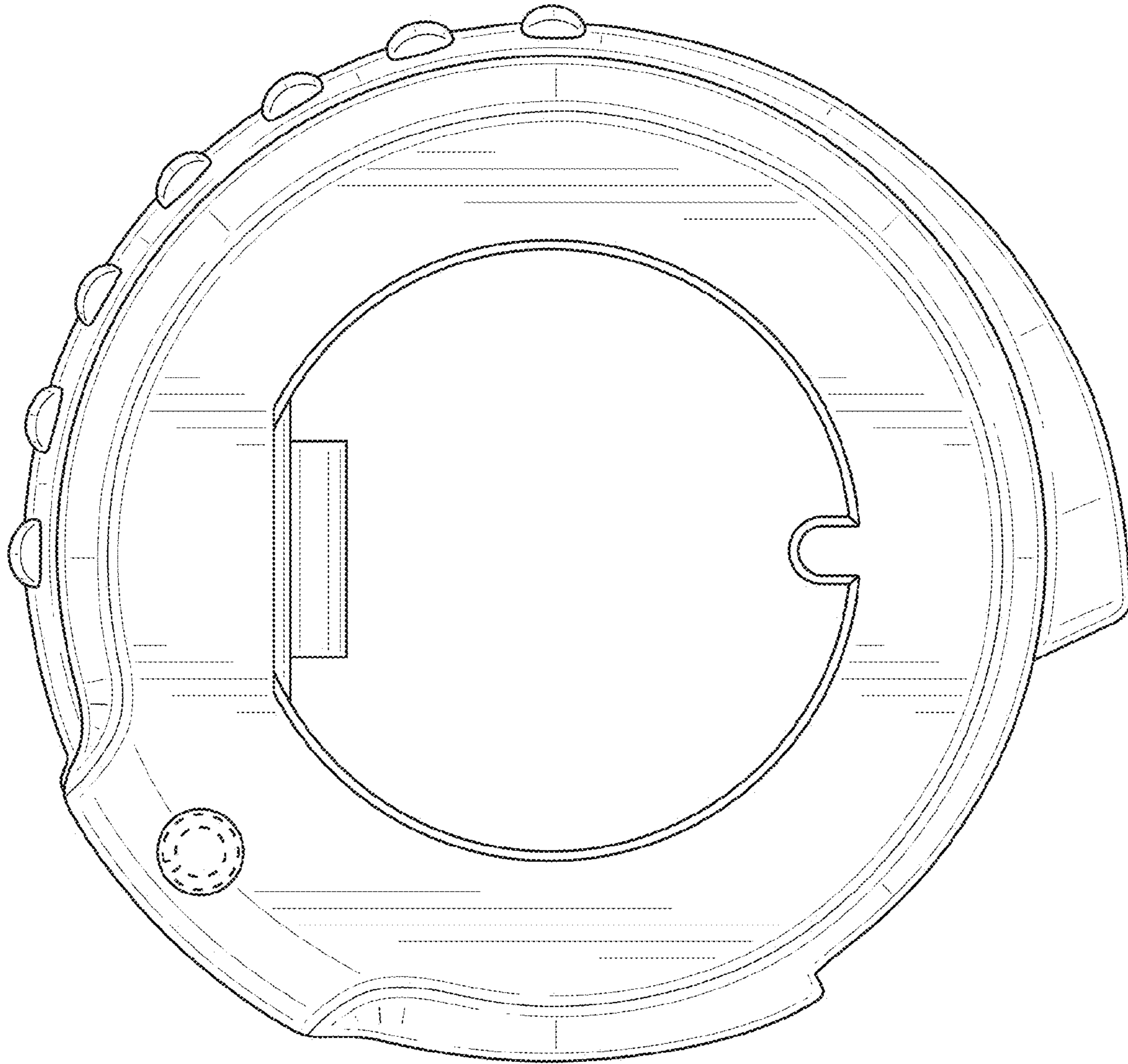
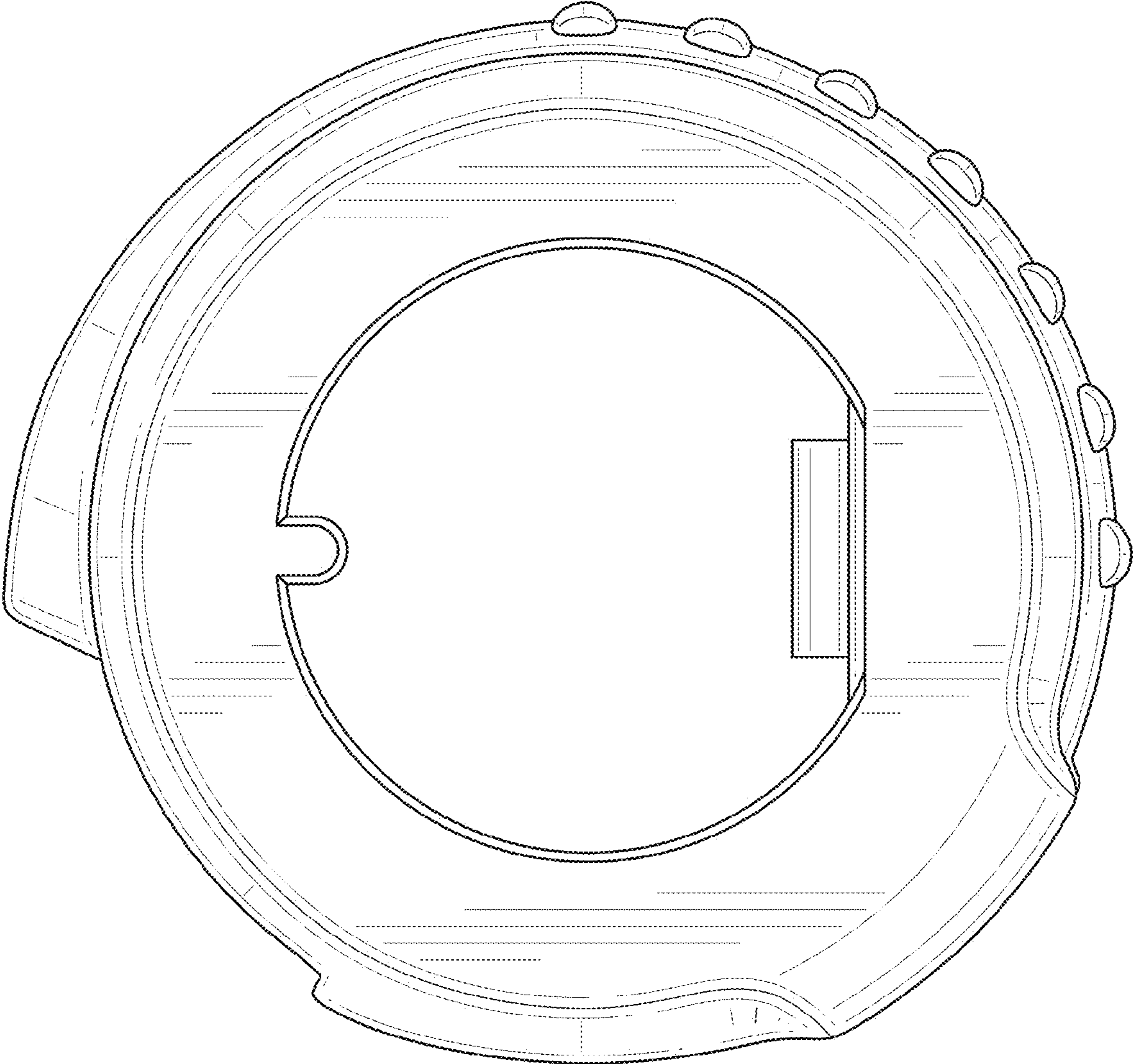
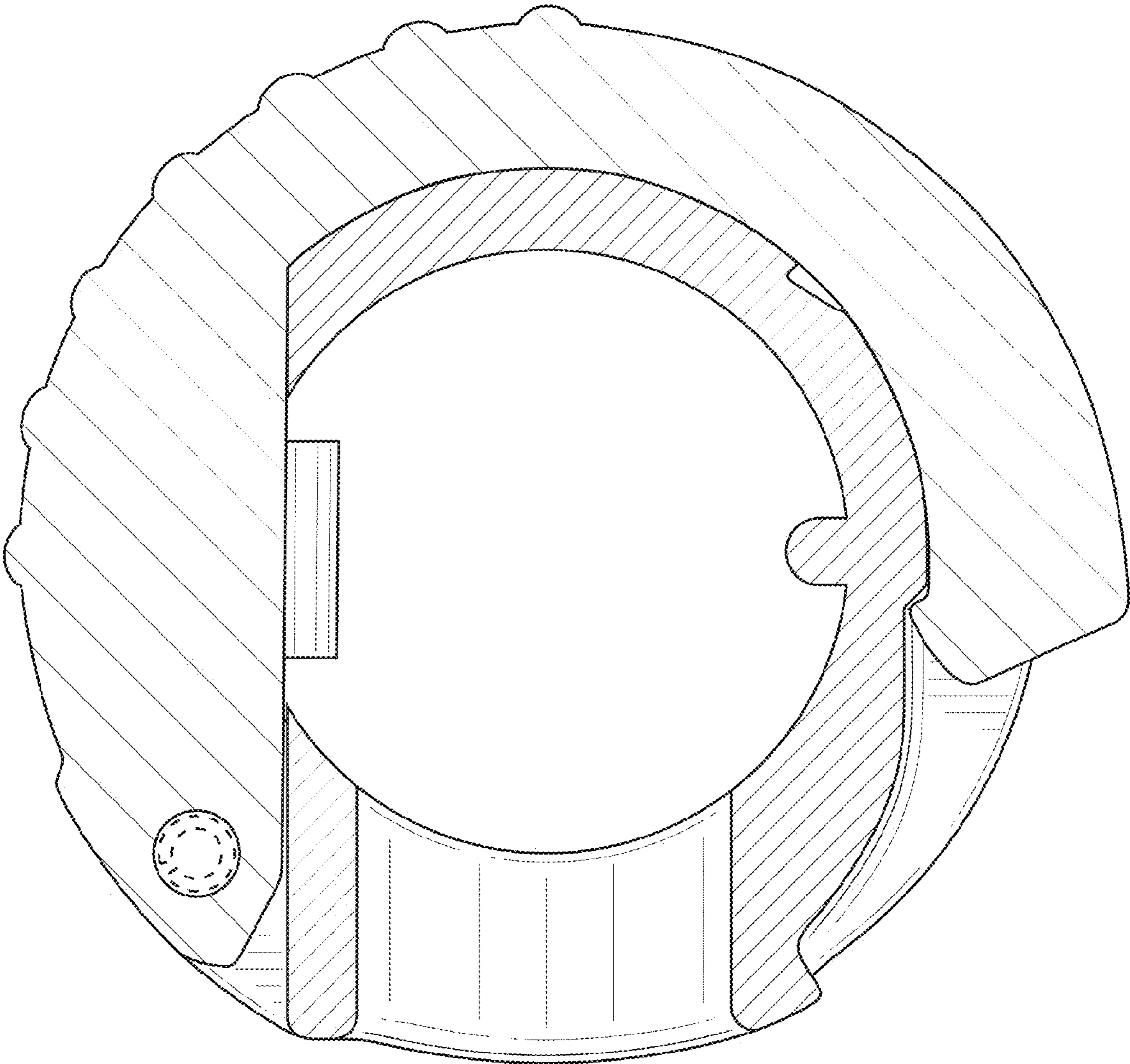


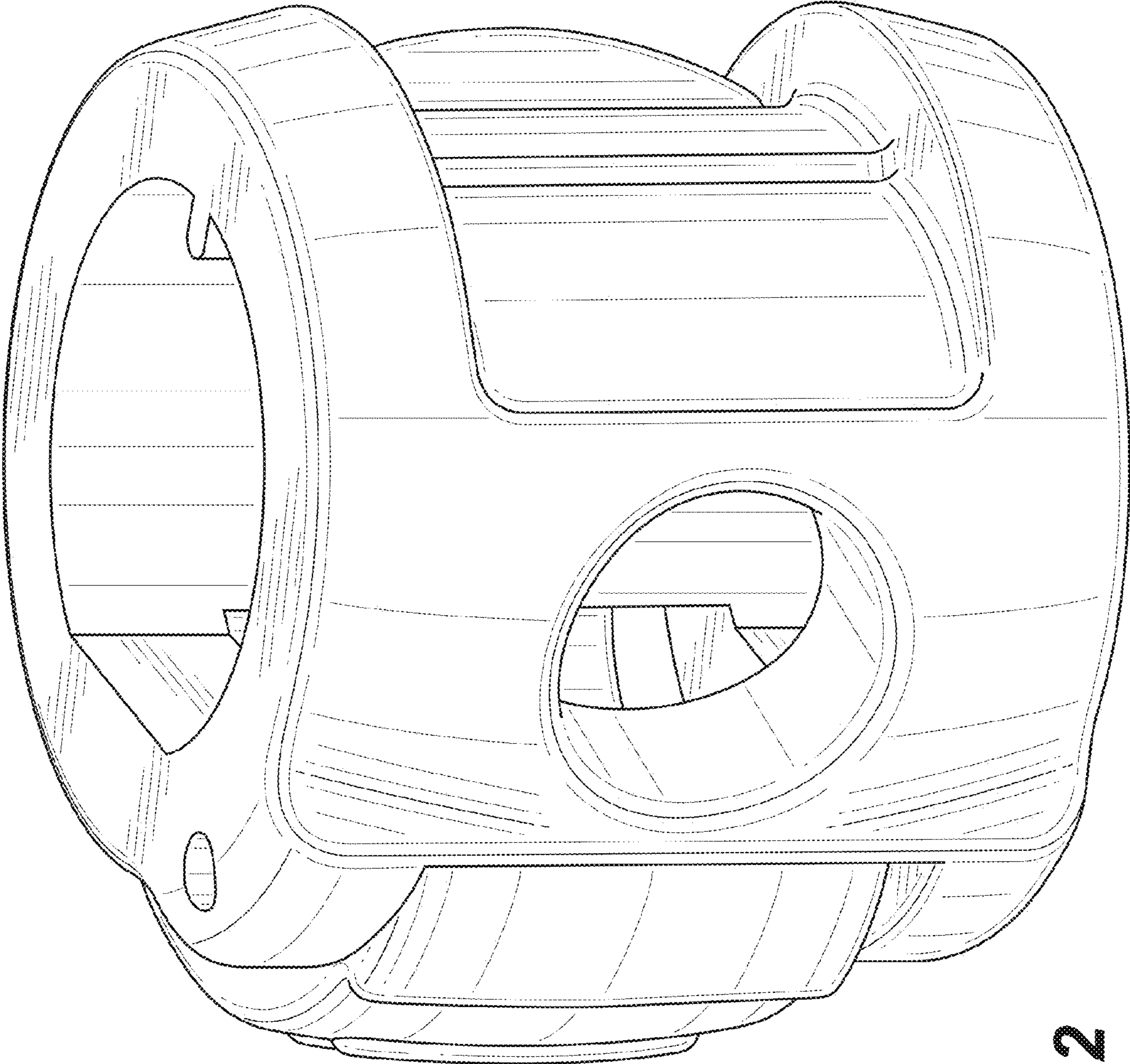
FIG. 9



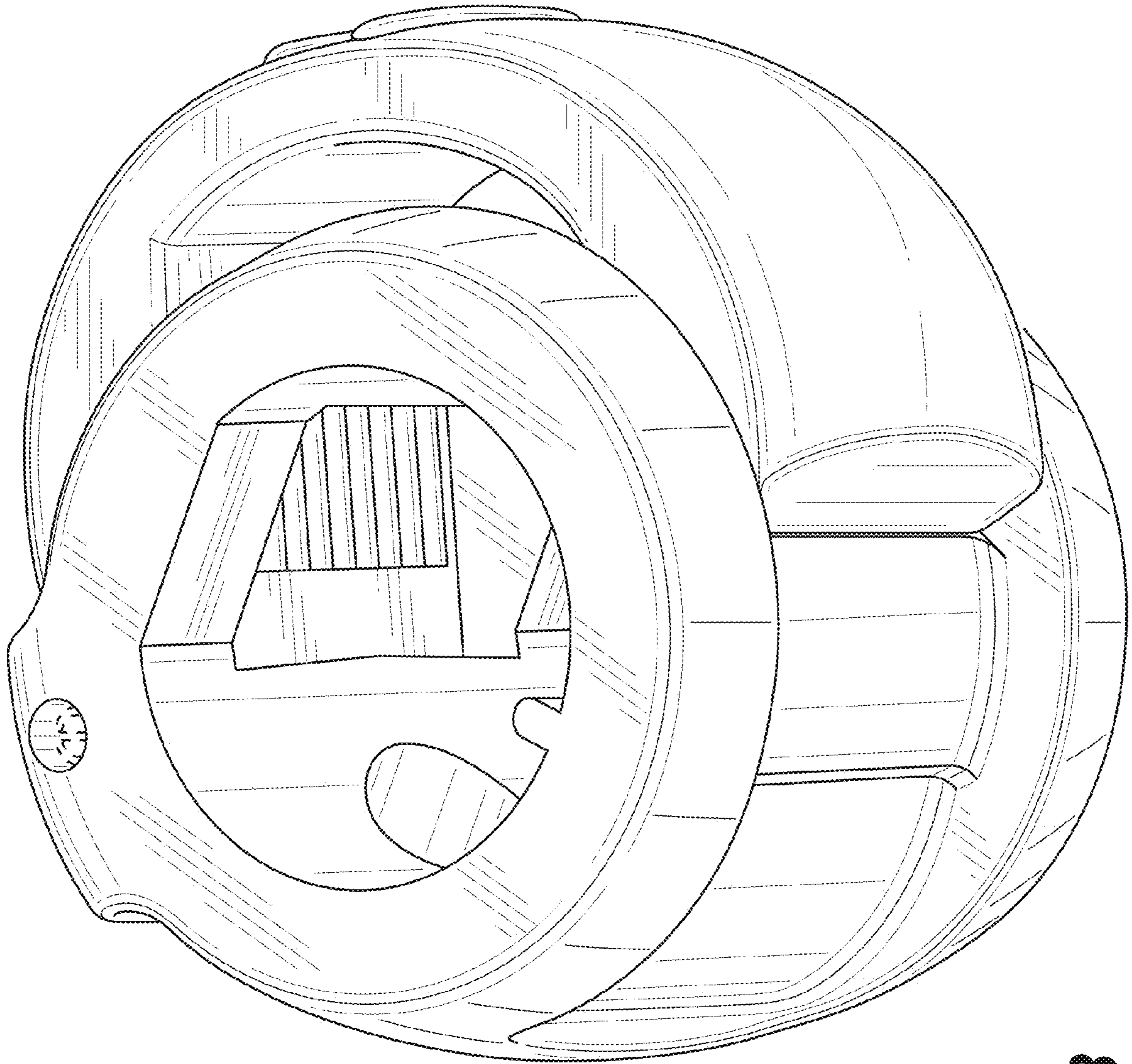
**FIG. 10**



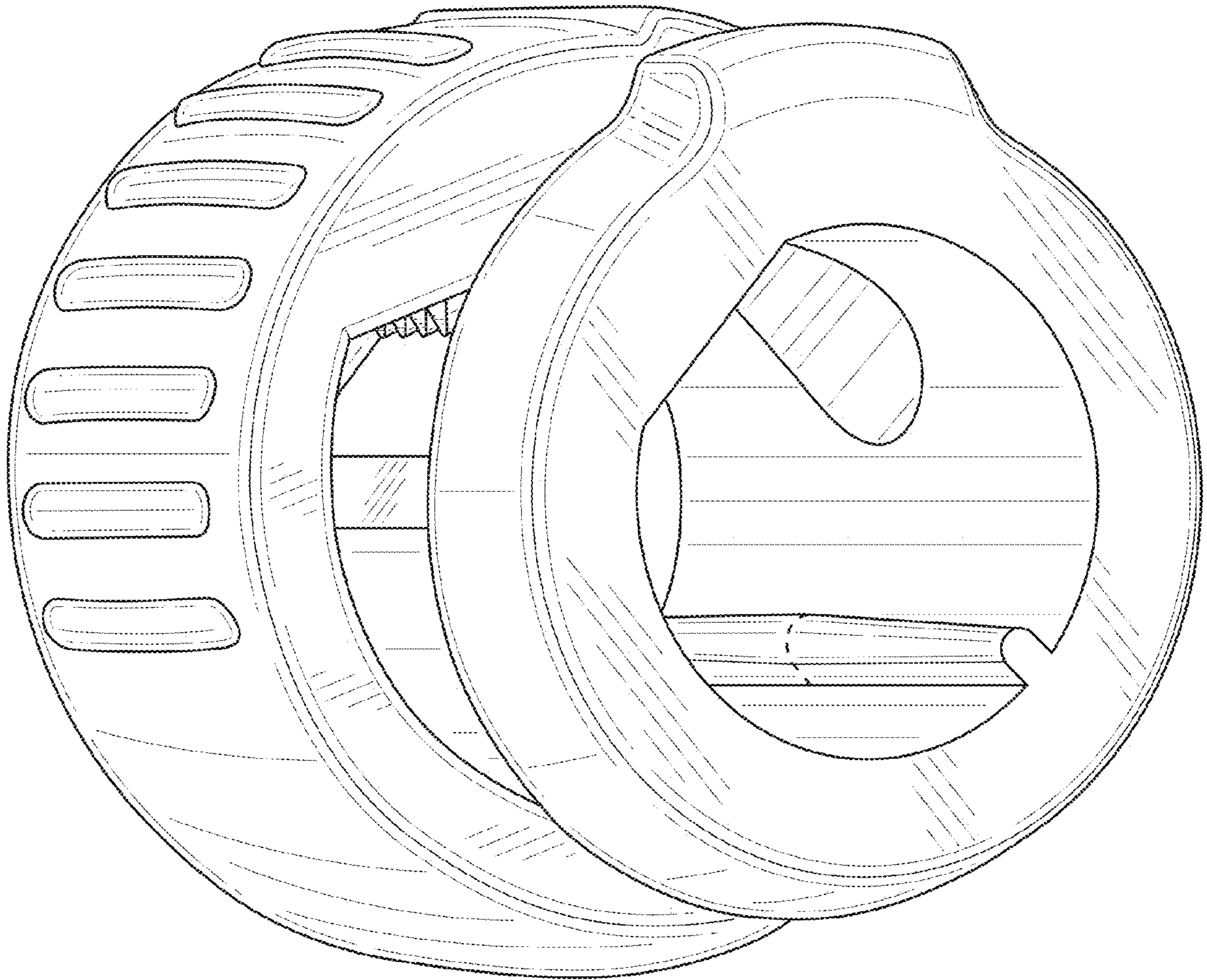
**FIG. 11**



**FIG. 12**

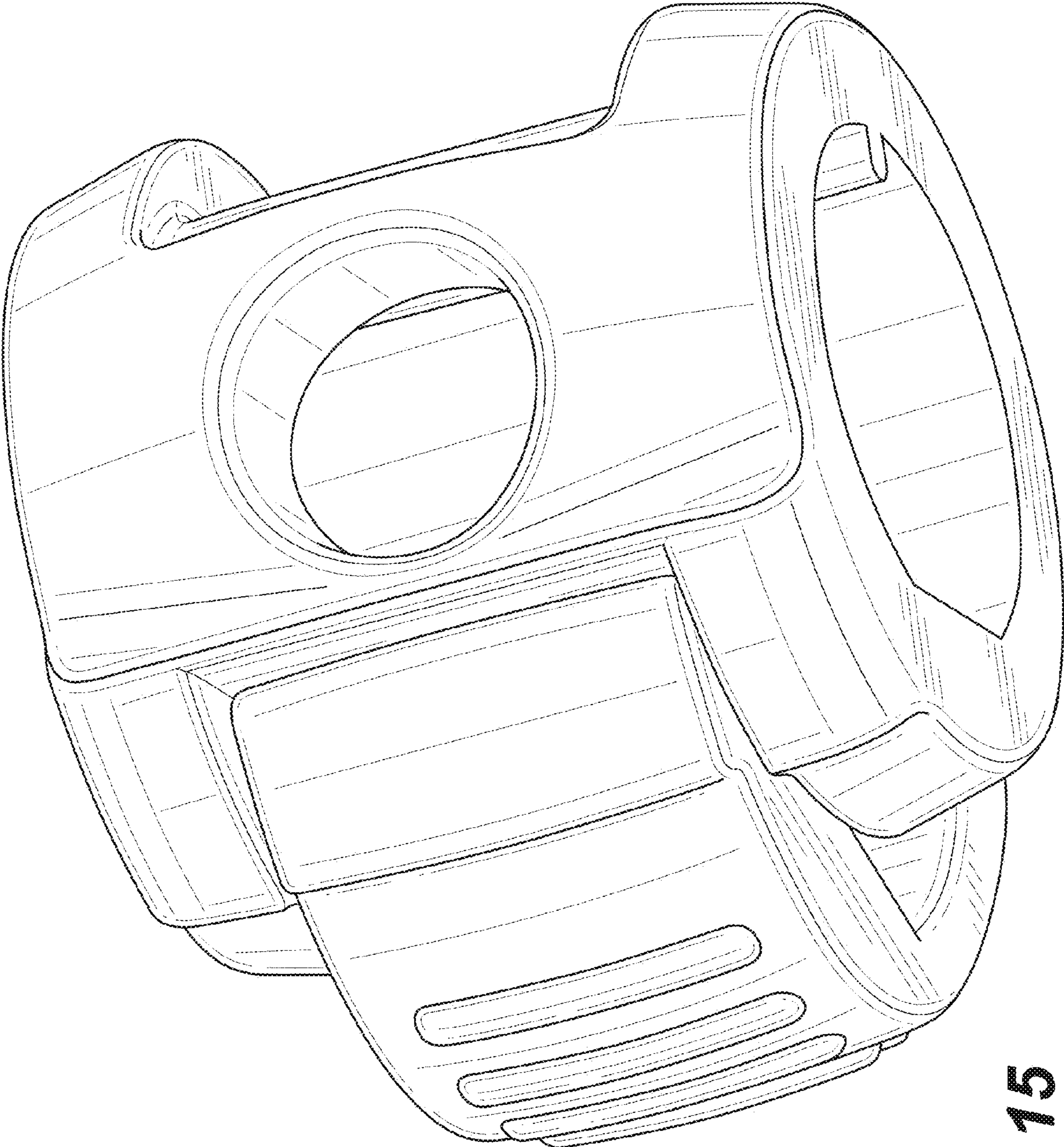


**FIG. 13**

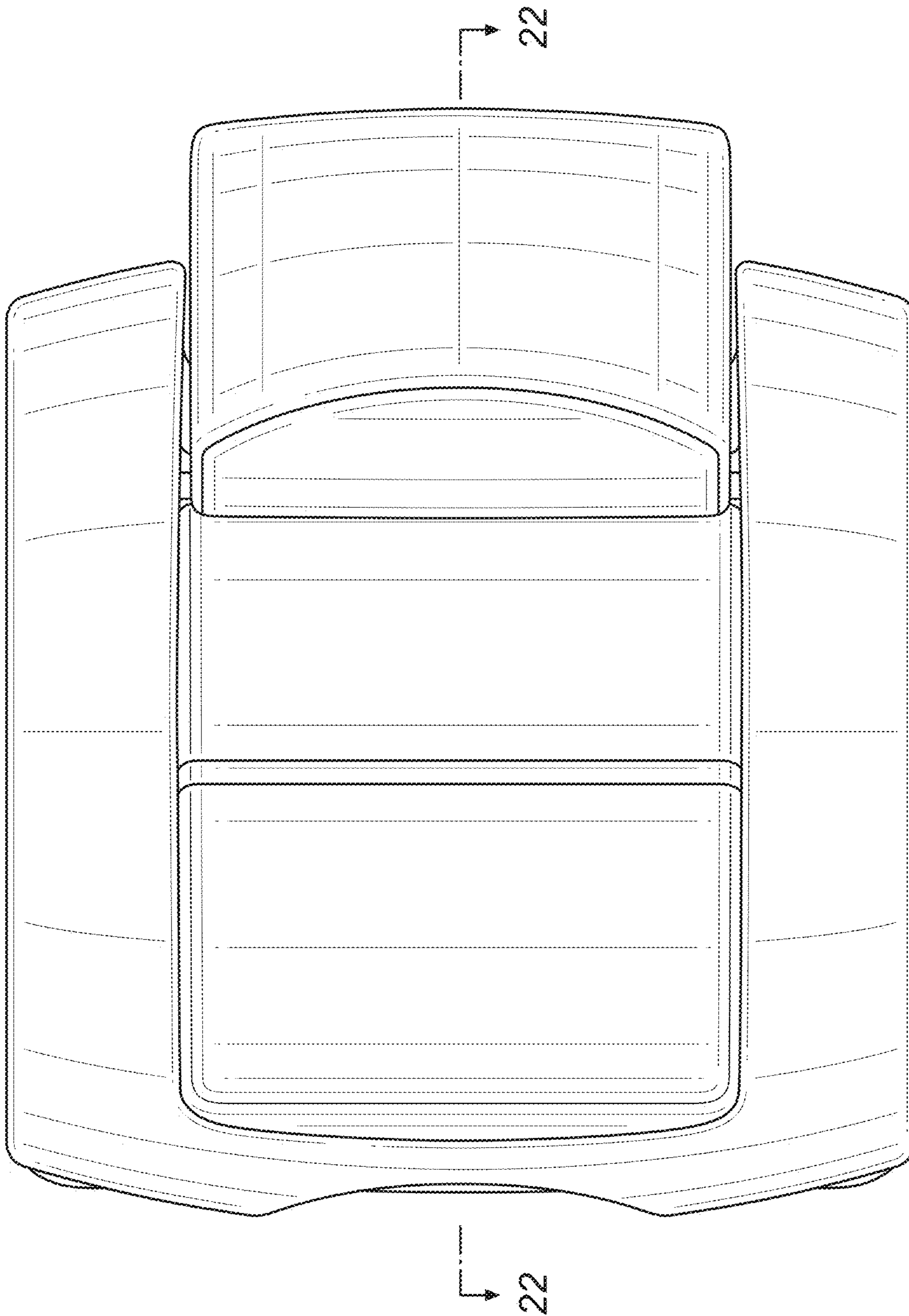


**FIG. 14**

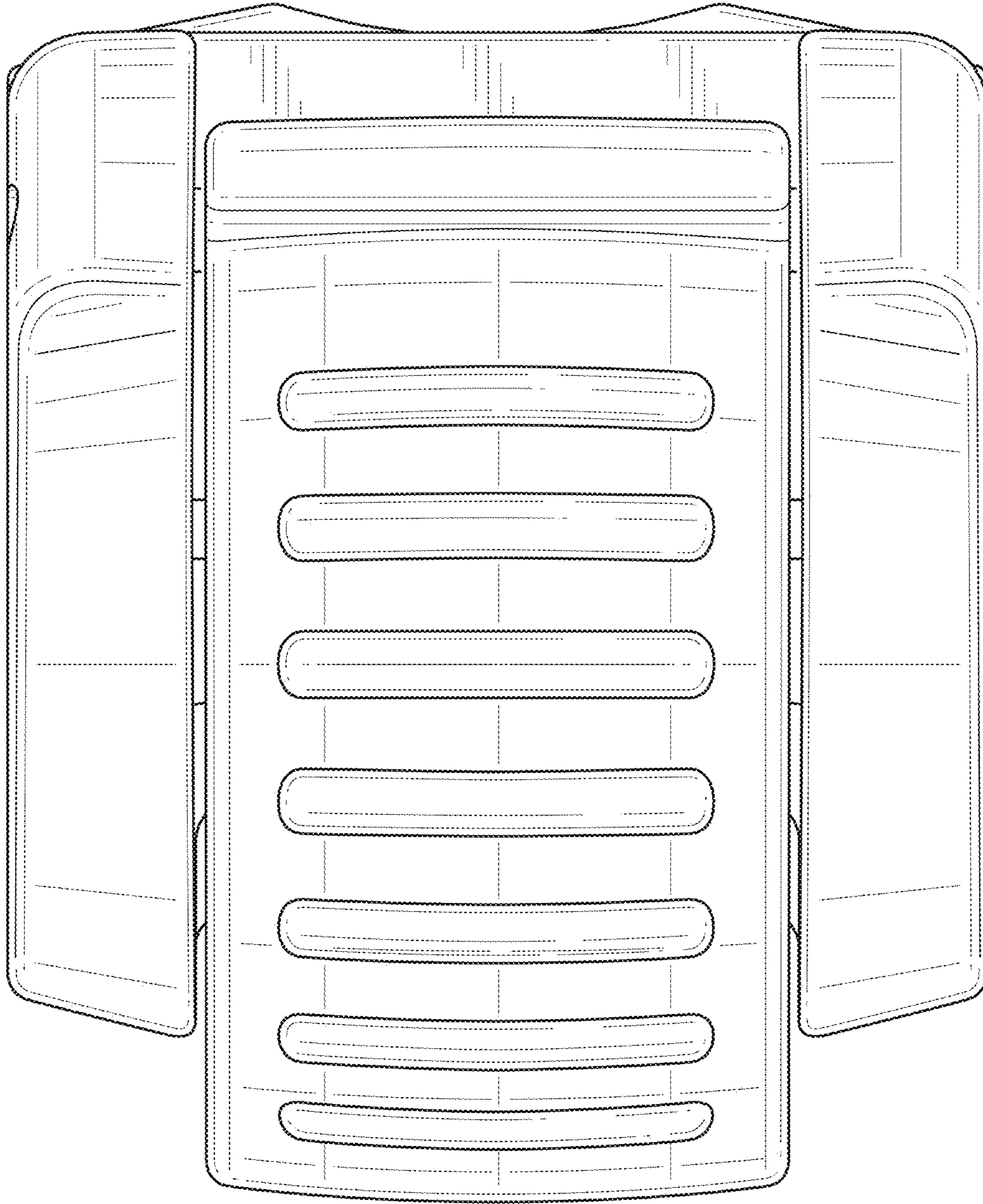




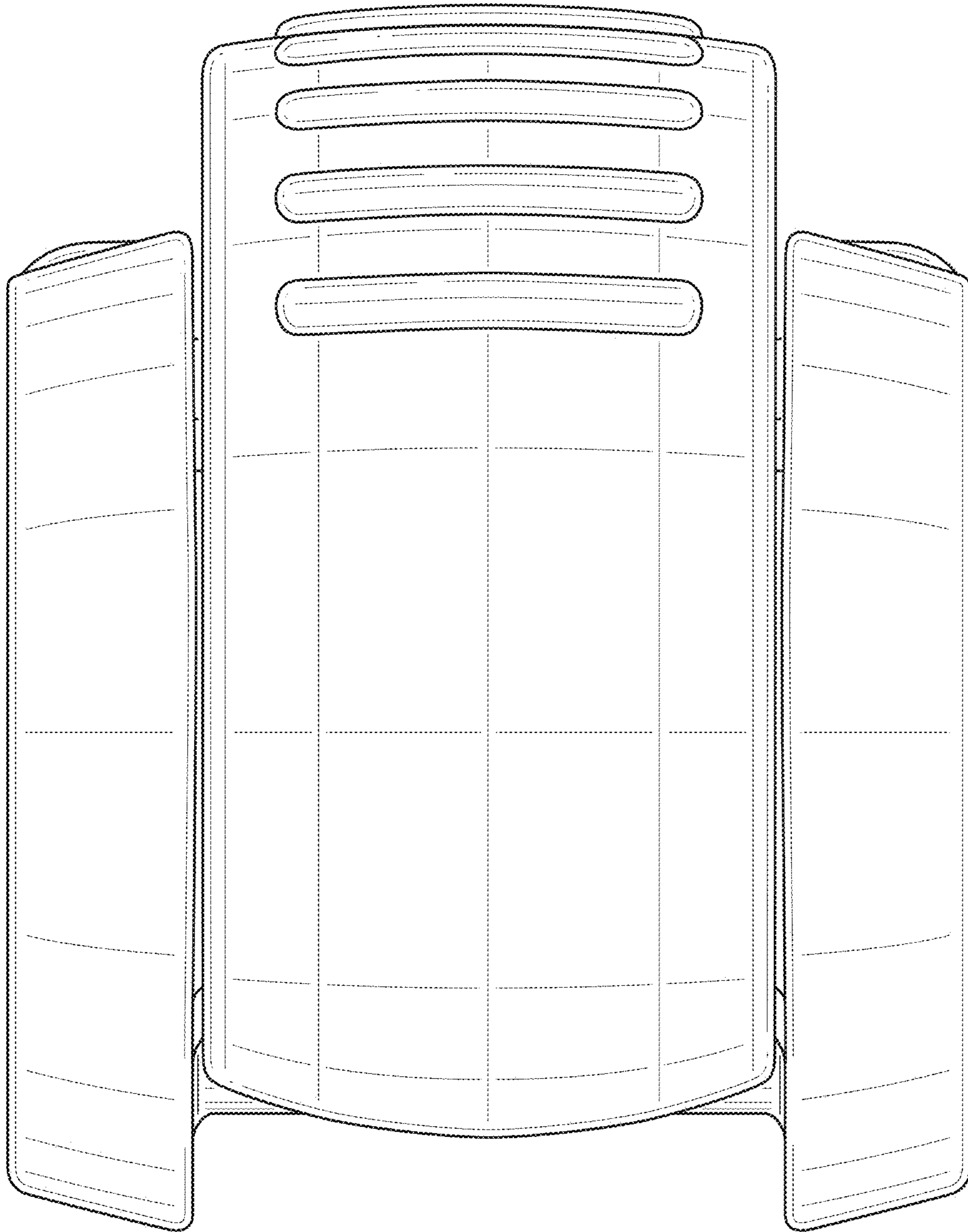
**FIG. 15**



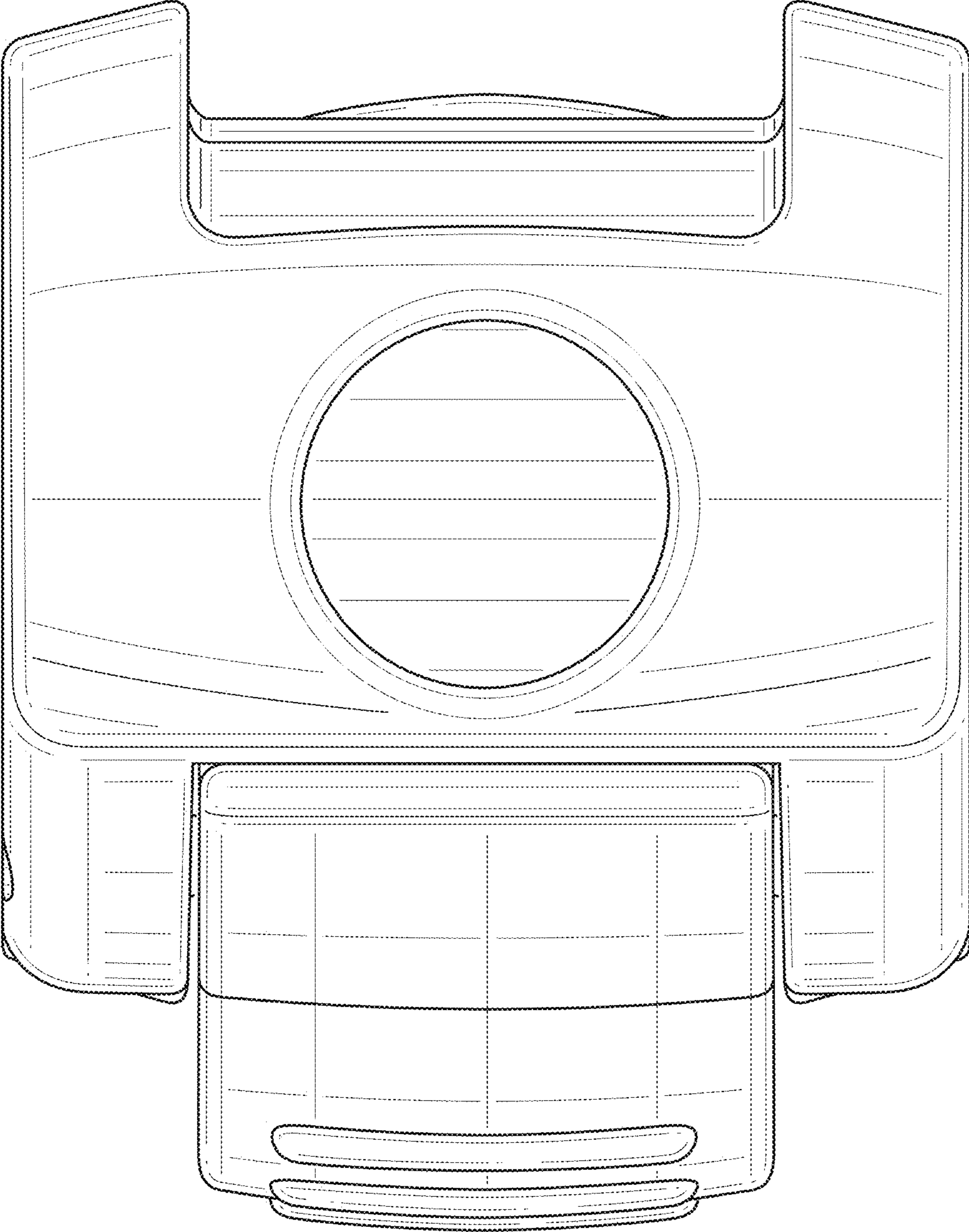
**FIG. 16**



**FIG. 17**



**FIG. 18**



**FIG. 19**

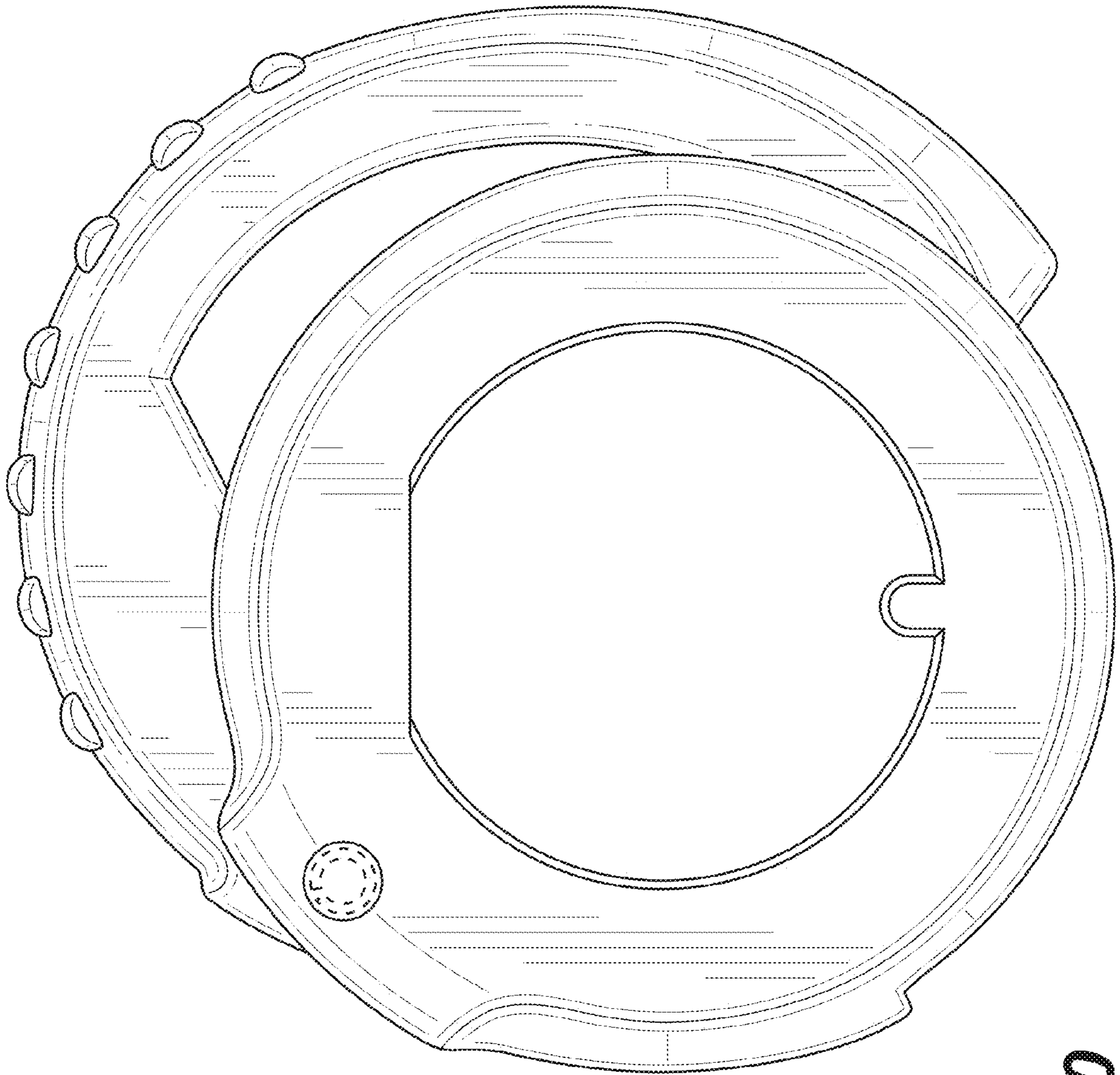
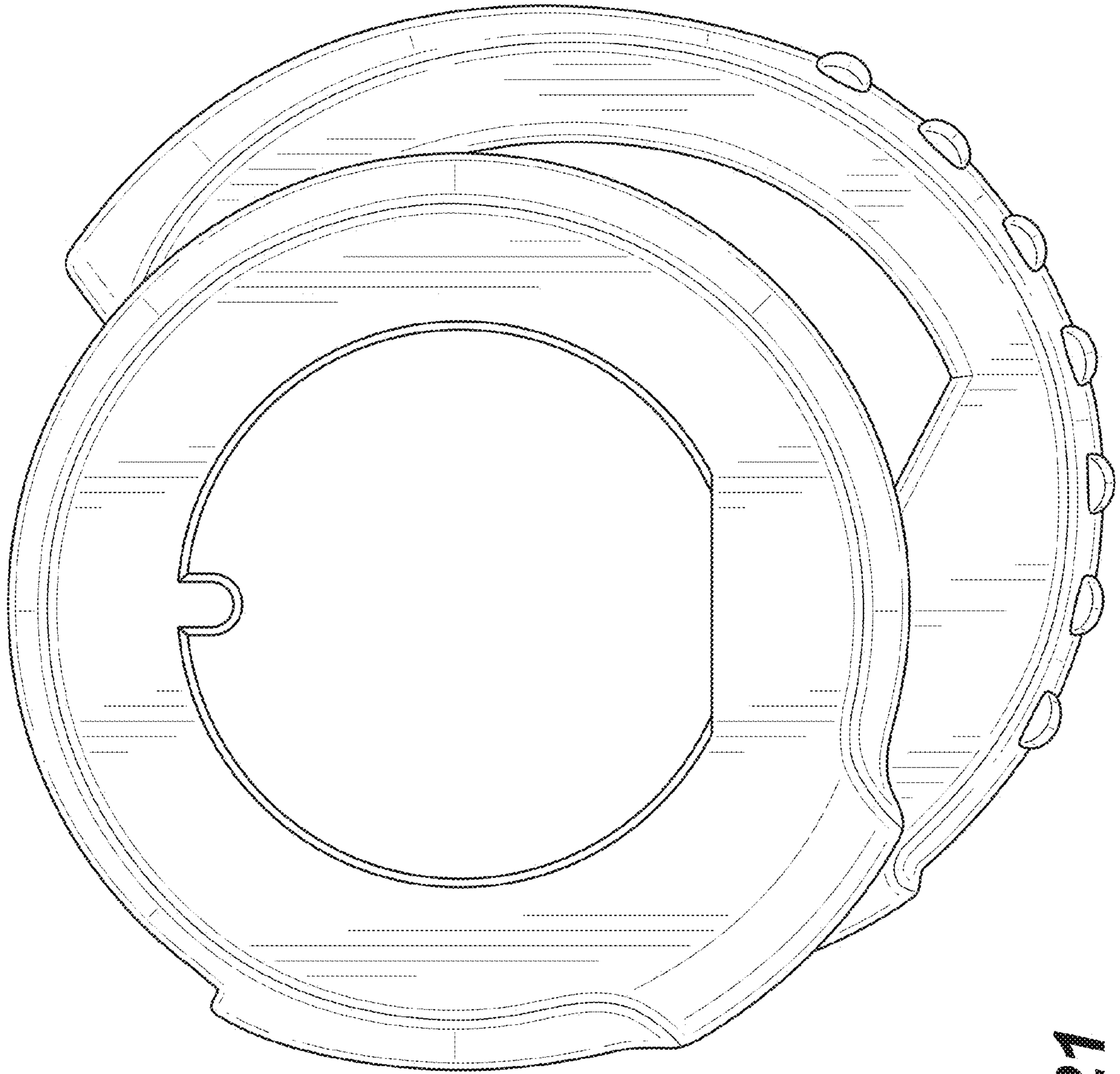


FIG. 20



**FIG. 21**

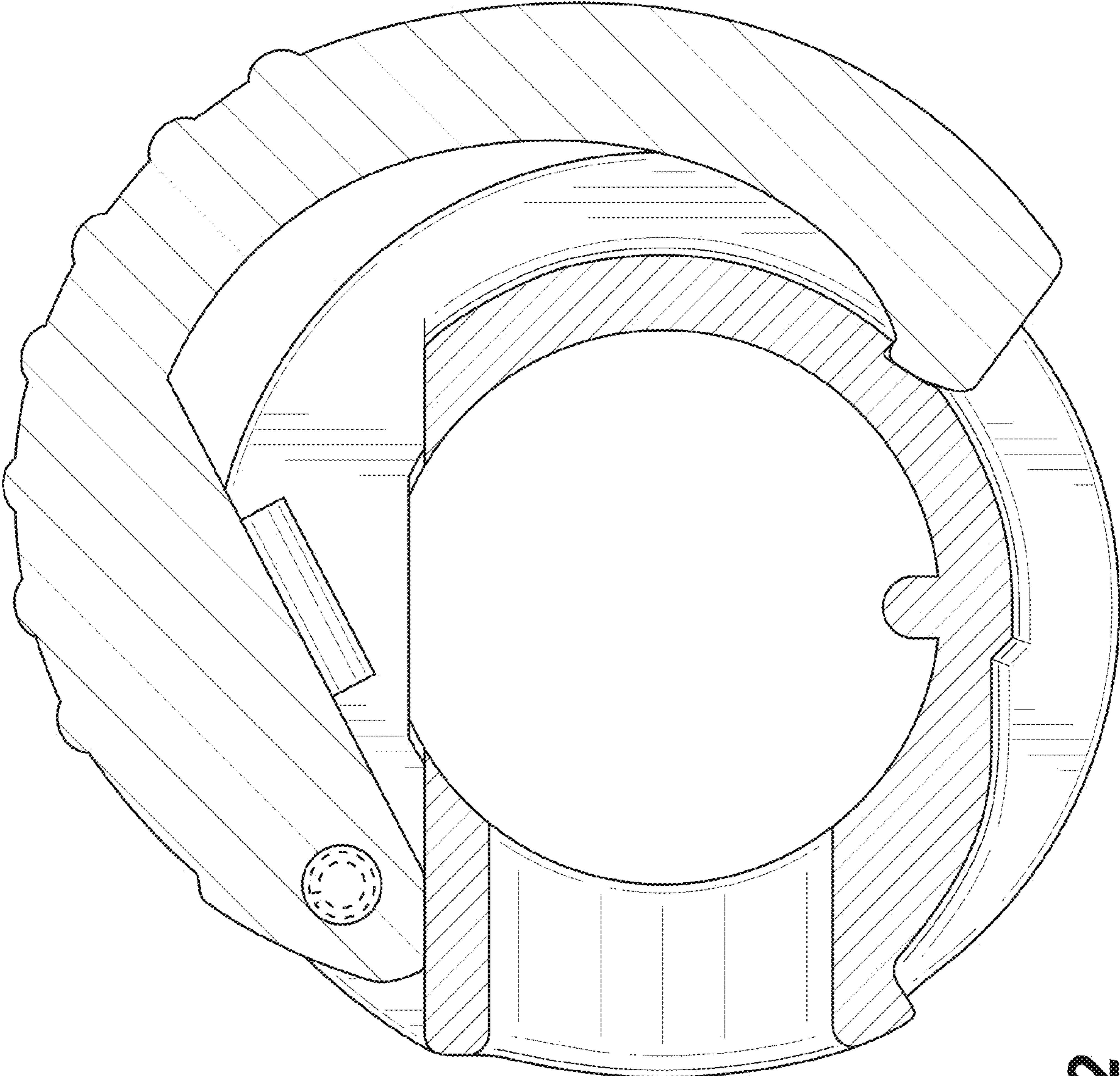
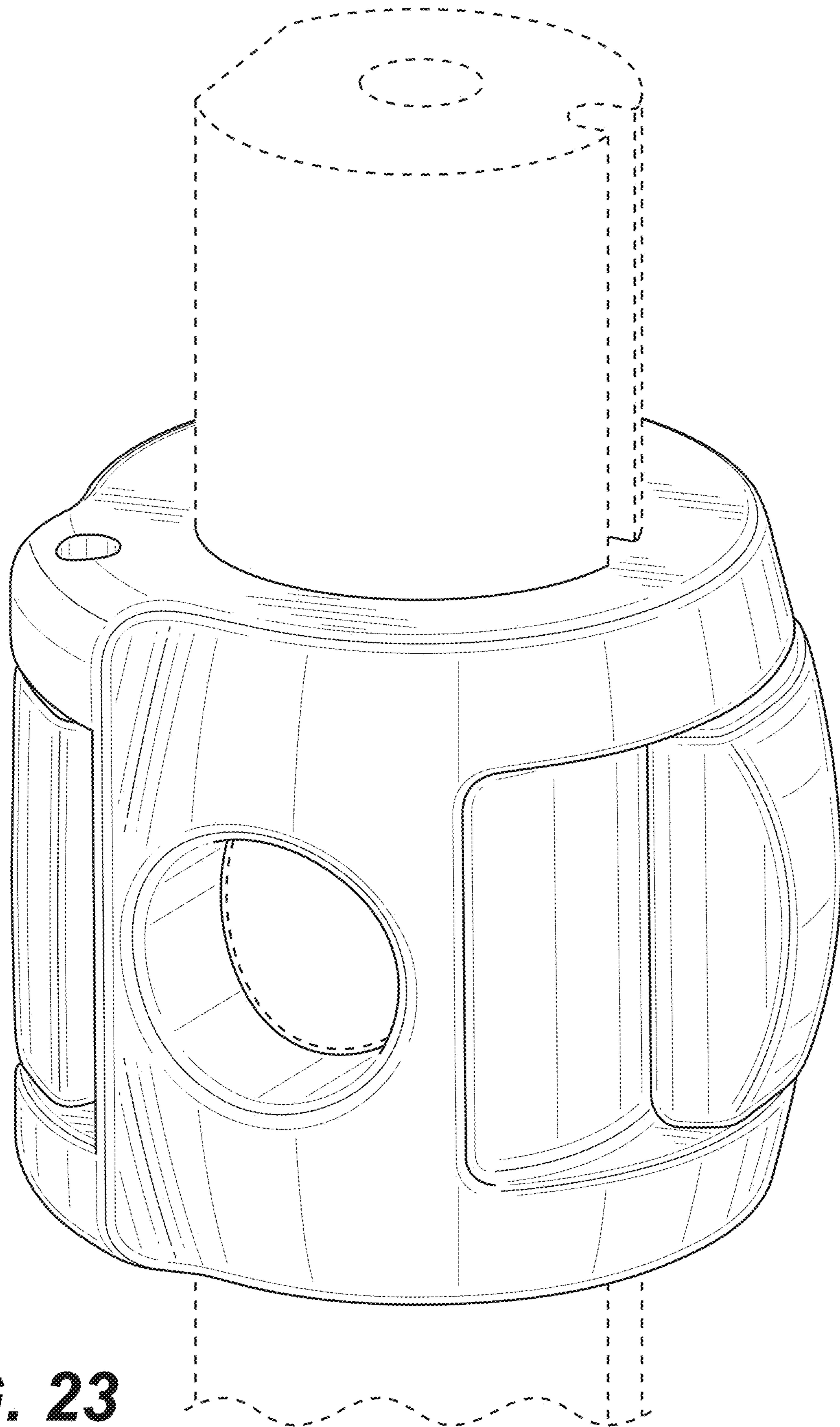
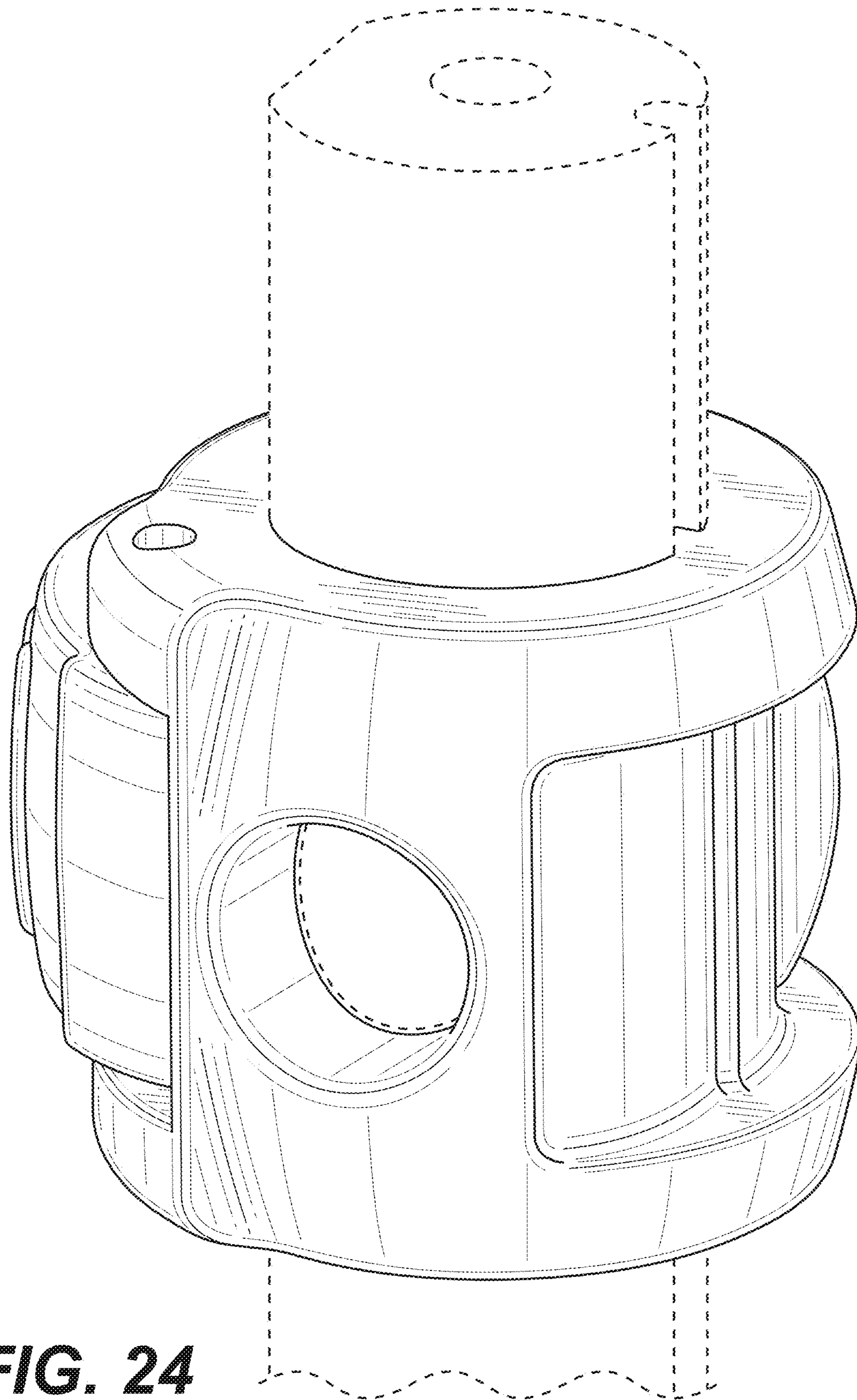


FIG. 22





**FIG. 23**



**FIG. 24**