



US00D686896S

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

(10) **Patent No.:** **US D686,896 S**
(45) **Date of Patent:** **** Jul. 30, 2013**

(54) **REAMER WITH A CUTTING SURFACE AT THE ENDS OF THE CROSS-BAR**

(75) Inventor: **Didier Guelat**, Bure (CH)

(73) Assignee: **Greatbatch Medical S.A.**, Orvin (CH)

(**) Term: **14 Years**

(21) Appl. No.: **29/419,113**

(22) Filed: **Apr. 25, 2012**

(51) **LOC (9) Cl.** **08-03**

(52) **U.S. Cl.**

USPC **D8/70**; D15/139

(58) **Field of Classification Search**

USPC D8/70; D15/138, 139; D24/131, D24/146; 175/344, 399; 408/83, 127, 145, 408/199, 224, 705, 713; 606/79-81, 84, 89, 606/96, 180

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D272,648	S *	2/1984	Bolesky et al.	.....	D24/147
4,813,413	A *	3/1989	Gray	.....	606/84
4,936,848	A *	6/1990	Bagby	.....	623/17.16
4,944,759	A *	7/1990	Mallory et al.	.....	623/22.31
5,376,092	A	12/1994	Hein et al.		
D400,547	S *	11/1998	Albrektsson et al.	.....	D15/139
D483,382	S *	12/2003	Brady	.....	D15/21
7,118,575	B2	10/2006	Wolford		
7,220,264	B1	5/2007	Hershberger		
D547,778	S *	7/2007	Hodges	.....	D15/139
7,572,259	B2 *	8/2009	Desarzens et al.	.....	606/81
7,588,572	B2 *	9/2009	White et al.	.....	606/80
7,608,076	B2 *	10/2009	Ezzedine	.....	606/81
7,918,856	B2	4/2011	Guelat et al.		

7,922,721	B2	4/2011	Lechot et al.		
8,075,563	B2 *	12/2011	Guelat et al.	.....	606/80
8,361,163	B2 *	1/2013	Quaid	.....	623/23.12
2003/0078587	A1	4/2003	Lechot et al.		
2006/0095041	A1	5/2006	Fehlbaum et al.		
2009/0157192	A1 *	6/2009	Stuart	.....	623/22.15
2009/0163921	A1 *	6/2009	Lechot et al.	.....	606/81
2011/0202060	A1 *	8/2011	White et al.	.....	606/80
2011/0202061	A1	8/2011	Lechot et al.		

FOREIGN PATENT DOCUMENTS

JP	2009000518	A *	1/2009
WO	2007049113		5/2007
WO	WO 2007107842	A2 *	9/2007

* cited by examiner

Primary Examiner — Philip S Hyder

Assistant Examiner — Darlington Ly

(74) *Attorney, Agent, or Firm* — Steven W. Winn

(57) **CLAIM**

The ornamental design for a reamer with a cutting surface at the ends of the cross-bar, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of the reamer with a cutting surface at the ends of the cross-bar.

FIG. 2 is a left side elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a right side elevation view thereof;

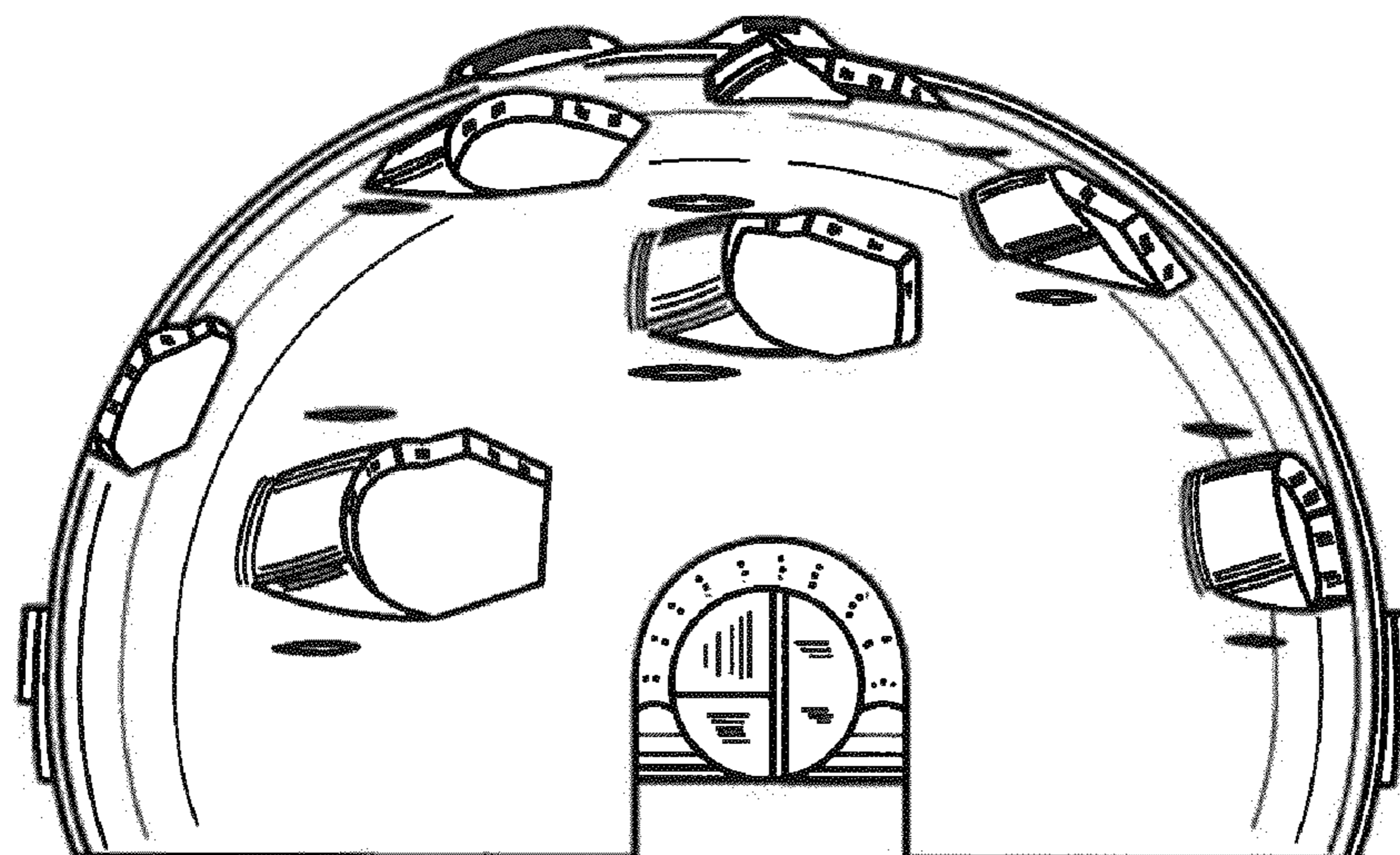
FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof; and,

FIG. 7 is a magnified perspective view of the cutting surface at the end of the cross-bar as shown in FIGS. 1-4.

The broken lines shown in the drawings illustrate portions of the reamer with a cutting surface at the ends of the cross-bar that forms no part of claimed design.

1 Claim, 5 Drawing Sheets



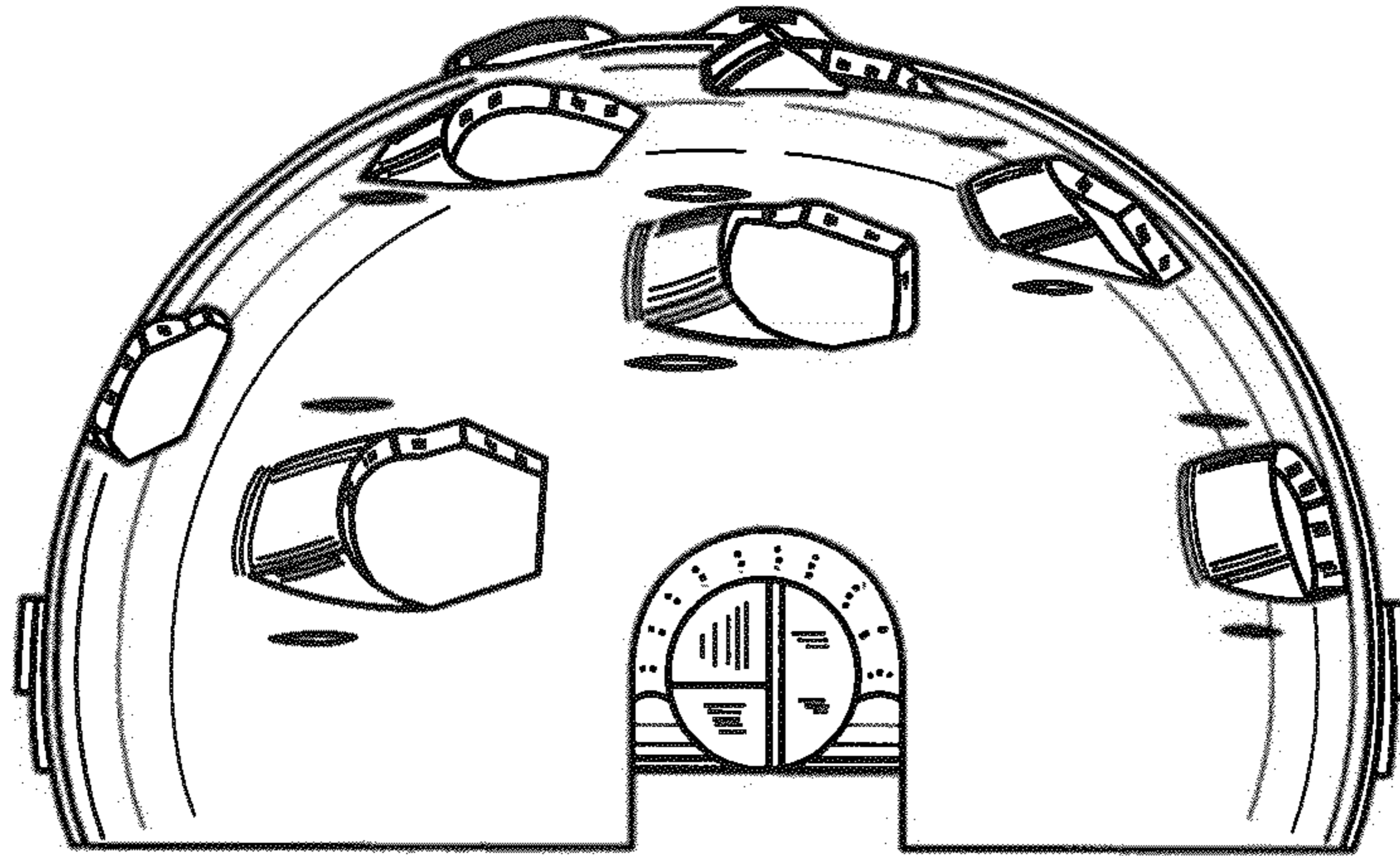


FIG. 1

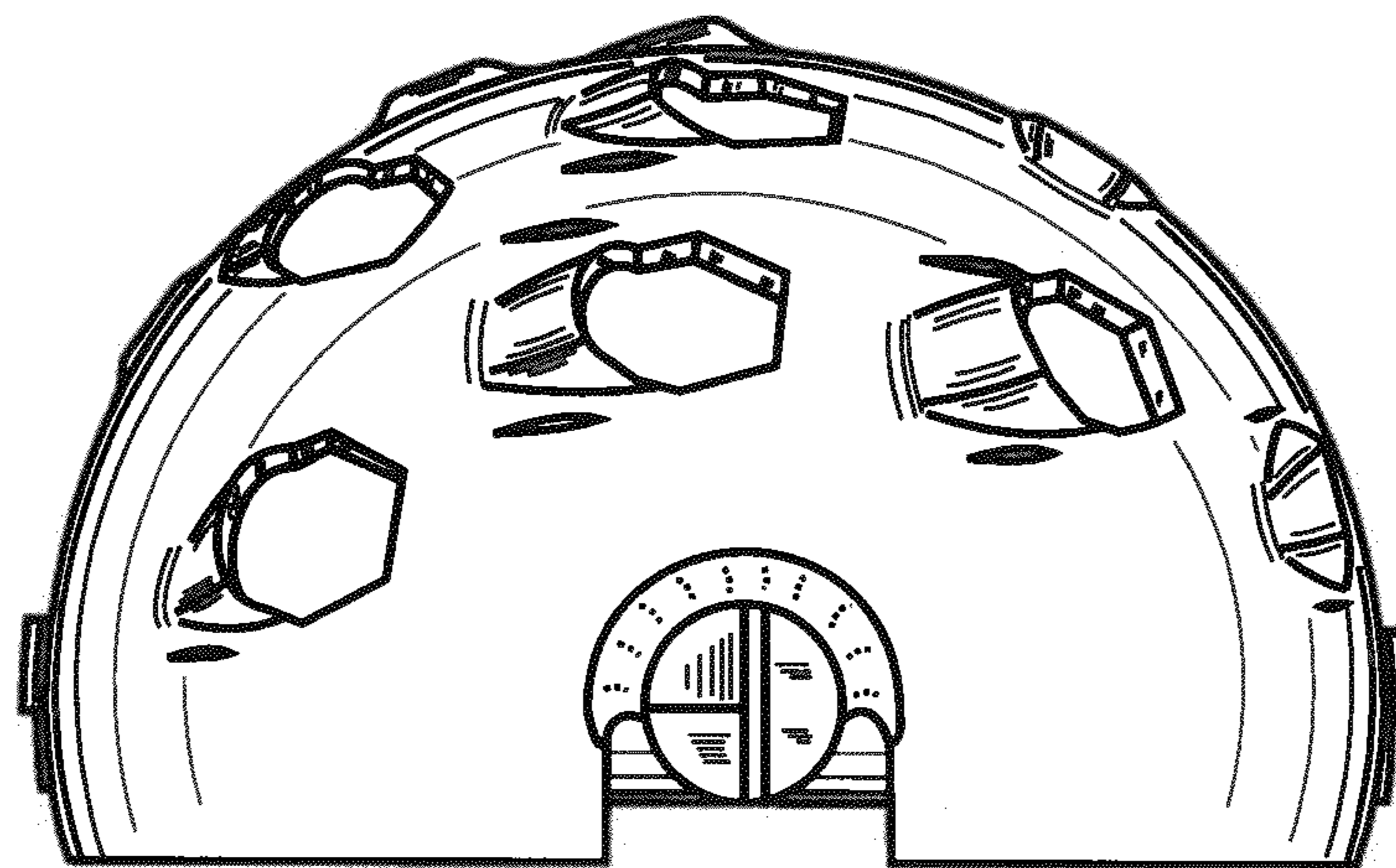


FIG. 2

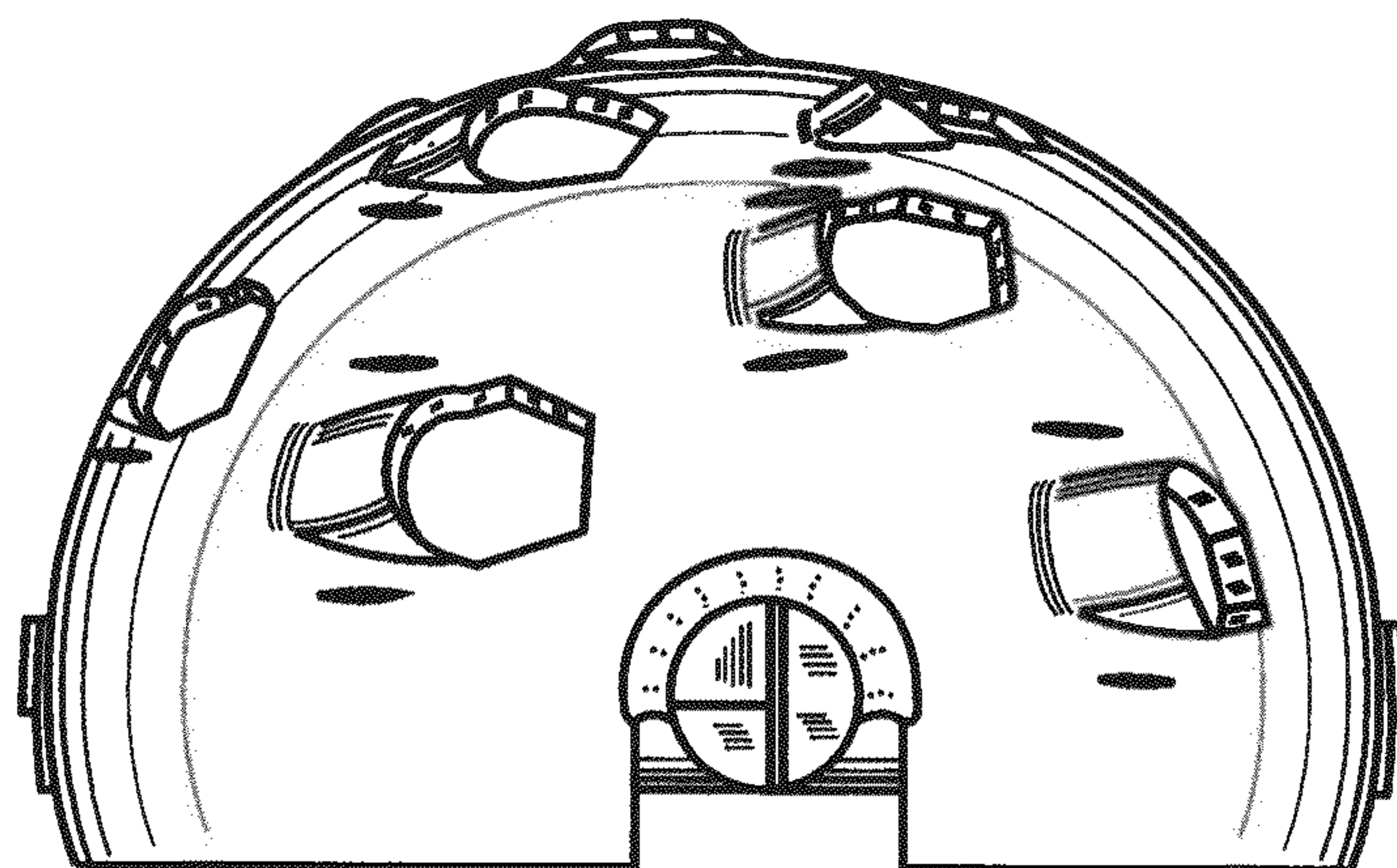


FIG. 3

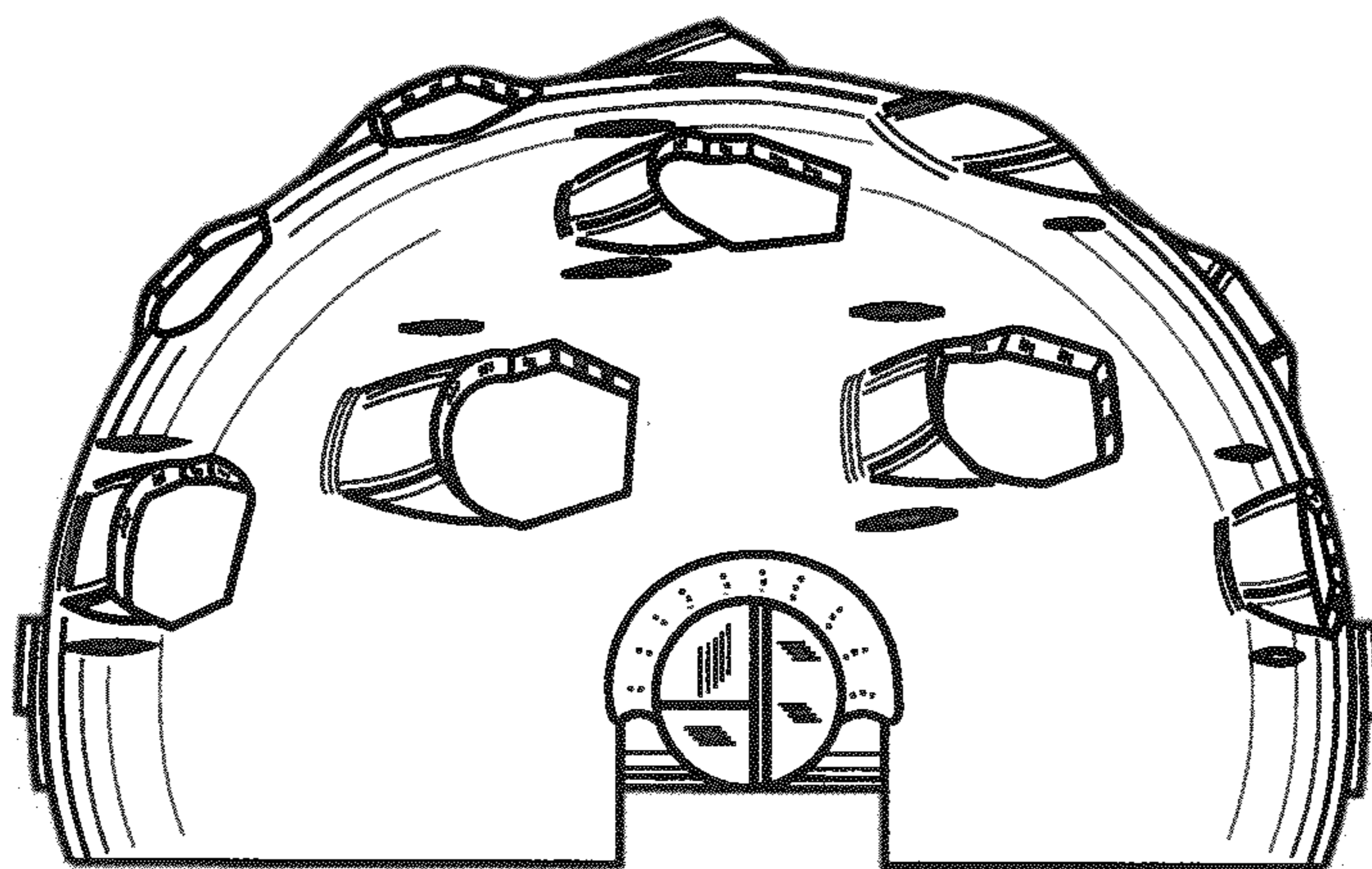
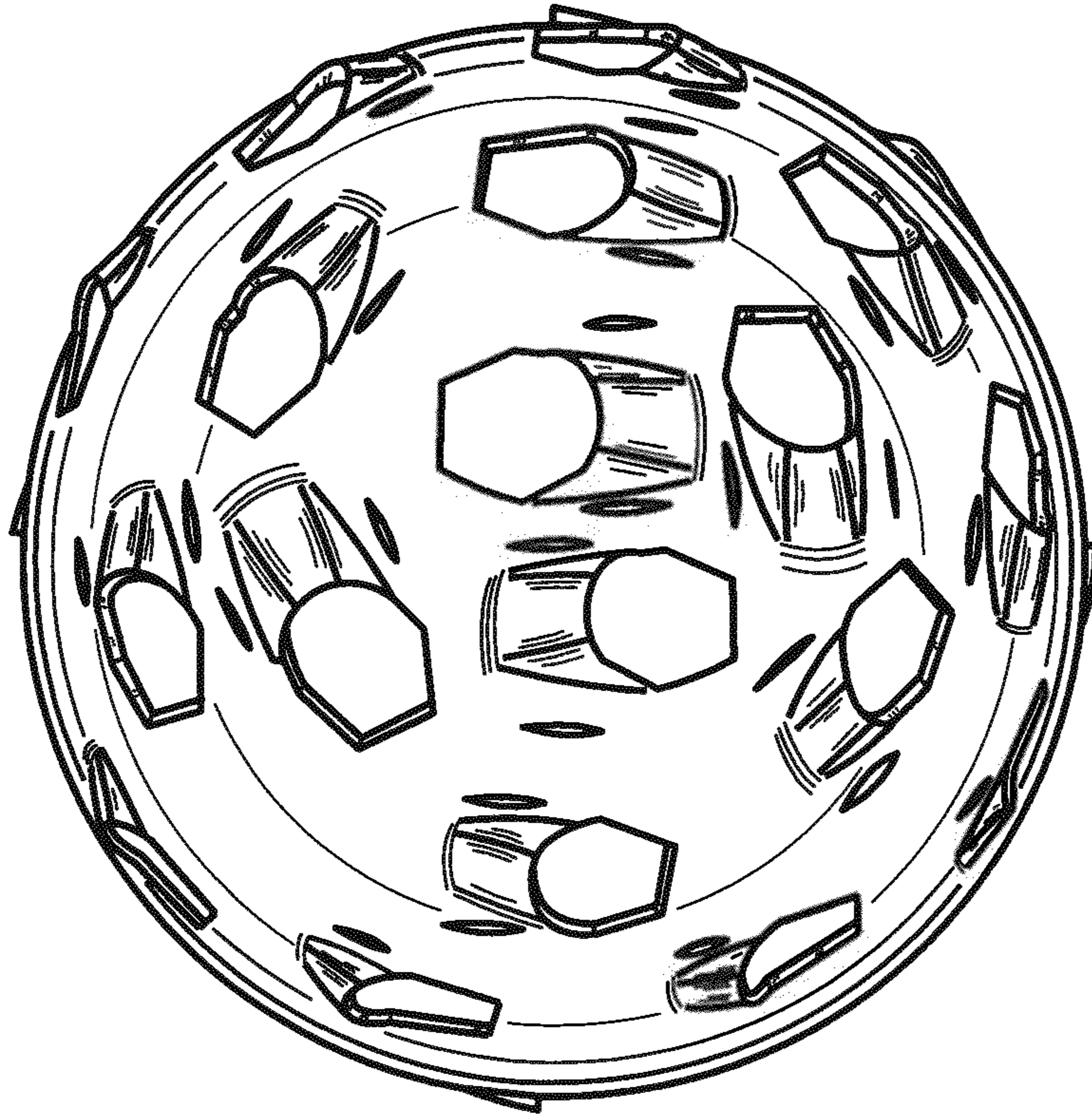
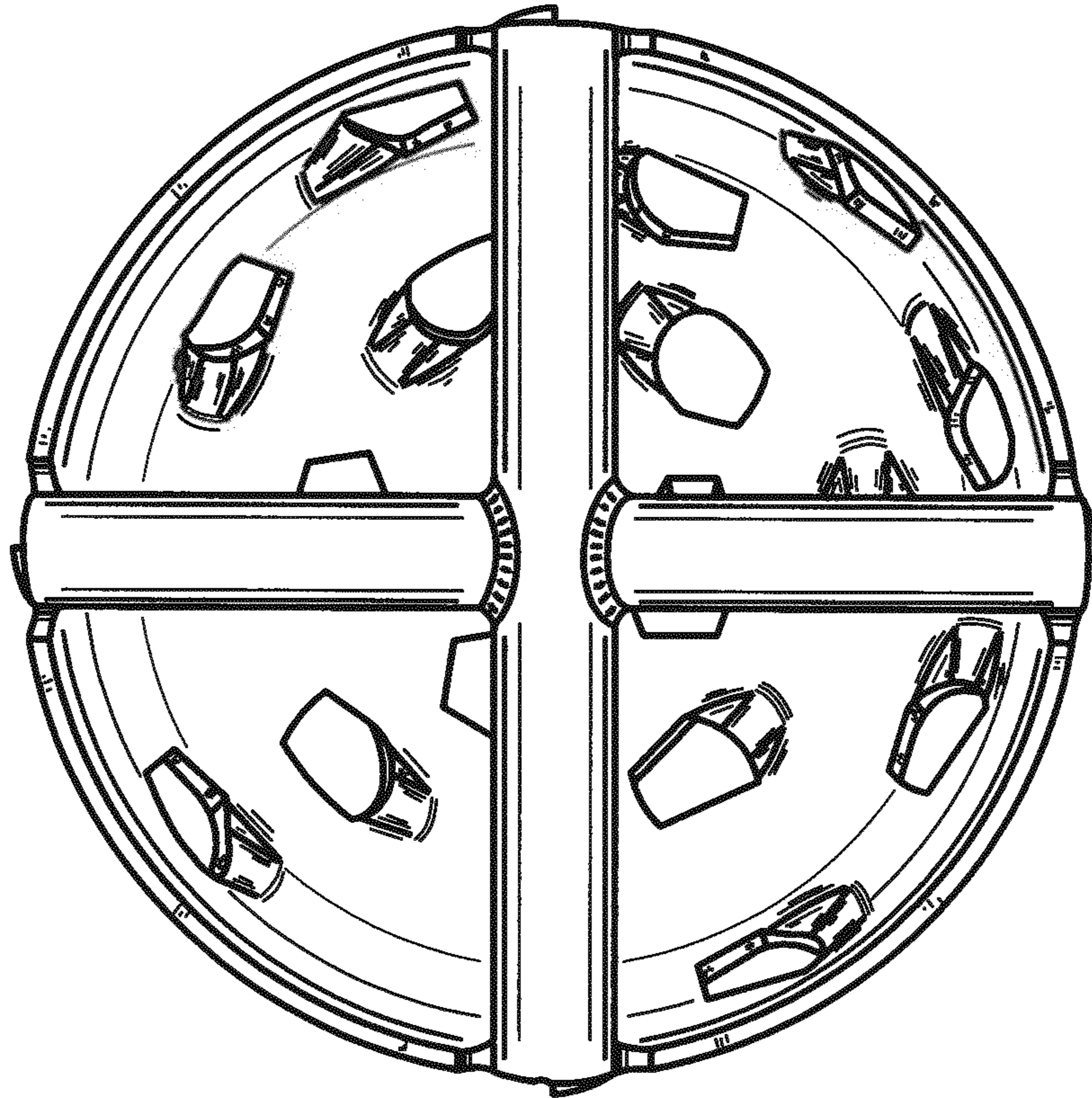


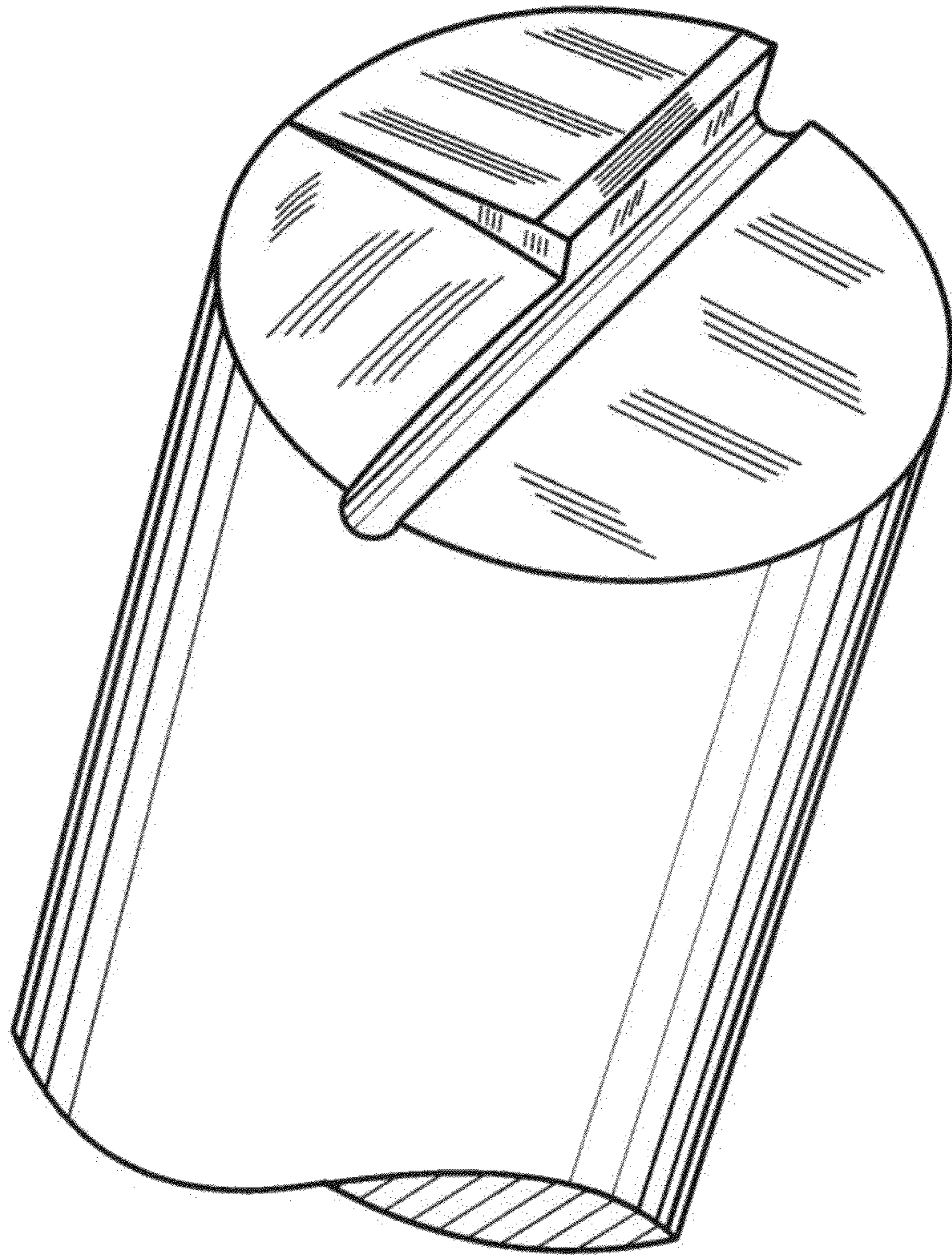
FIG. 4



—FIG. 5



—FIG. 6



—FIG. 7