



US00D598903S

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

(10) **Patent No.:** **US D598,903 S**

(45) **Date of Patent:** **** Aug. 25, 2009**

(54) **ELLIPTICAL SATELLITE RECEIVE ANTENNA**

(75) Inventor: **Kesse Ho**, Westminster, CA (US)

(73) Assignee: **The DIRECTV Group, Inc.**, El Segundo, CA (US)

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

(21) Appl. No.: **29/253,322**

(22) Filed: **Feb. 3, 2006**

(51) **LOC (9) Cl.** **12-03**

(52) **U.S. Cl.** **D14/231**

(58) **Field of Classification Search** D14/218,
D14/230, 231, 238, 232, 234, 235, 237; 343/878,
343/880, 840, 872, 881, 763, 720, 912, 908,
343/907, 761, 882, 786

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D322,254 S *	12/1991	Su	.....	D14/231
D362,443 S *	9/1995	Inoue	.....	D14/231
D362,444 S *	9/1995	Schneeman	.....	D14/231
D389,155 S *	1/1998	Inoue	.....	D14/231
D409,622 S *	5/1999	Inoue	.....	D14/231
D411,999 S *	7/1999	Inoue	.....	D14/231
D433,014 S *	10/2000	Rogers	.....	D14/231
D440,962 S *	4/2001	Inoue	.....	D14/231
D441,741 S *	5/2001	Inoue	.....	D14/231
D452,229 S *	12/2001	Sato	.....	D14/231
D458,598 S *	6/2002	Sato	.....	D14/231
6,445,361 B2 *	9/2002	Liu et al.	.....	343/882
6,570,542 B2 *	5/2003	Jan et al.	.....	343/778
6,864,850 B2 *	3/2005	Imaizumi et al.	.....	343/776
6,864,855 B1 *	3/2005	Fujita	.....	343/882

2001/0054984 A1 *	12/2001	Spiritus	.....	343/840
2002/0140617 A1 *	10/2002	Luly et al.	.....	343/781 CA
2004/0021614 A1 *	2/2004	Moheb	.....	343/840
2005/0057428 A1 *	3/2005	Fujita	.....	343/882
2007/0210980 A1 *	9/2007	Shen	.....	343/912
2007/0247390 A1 *	10/2007	Lin et al.	.....	343/892
2008/0062059 A1 *	3/2008	Freni et al.	.....	343/840

* cited by examiner

Primary Examiner—T. Chase Nelson

Assistant Examiner—Ania K Dworzecka

(57) **CLAIM**

The ornamental design for an elliptical satellite receive antenna, as shown and described.

DESCRIPTION

FIG. 1 illustrates a front perspective view of an elliptical satellite receive antenna of the present invention;

FIG. 2 illustrates another front perspective view thereof;

FIG. 3 illustrates a right side elevational view thereof;

FIG. 4 illustrates a top plan view thereof;

FIG. 5 illustrates an enlarged front perspective view of the Low Noise Block Amplifier (LNB) strip portion of the antenna of the present invention;

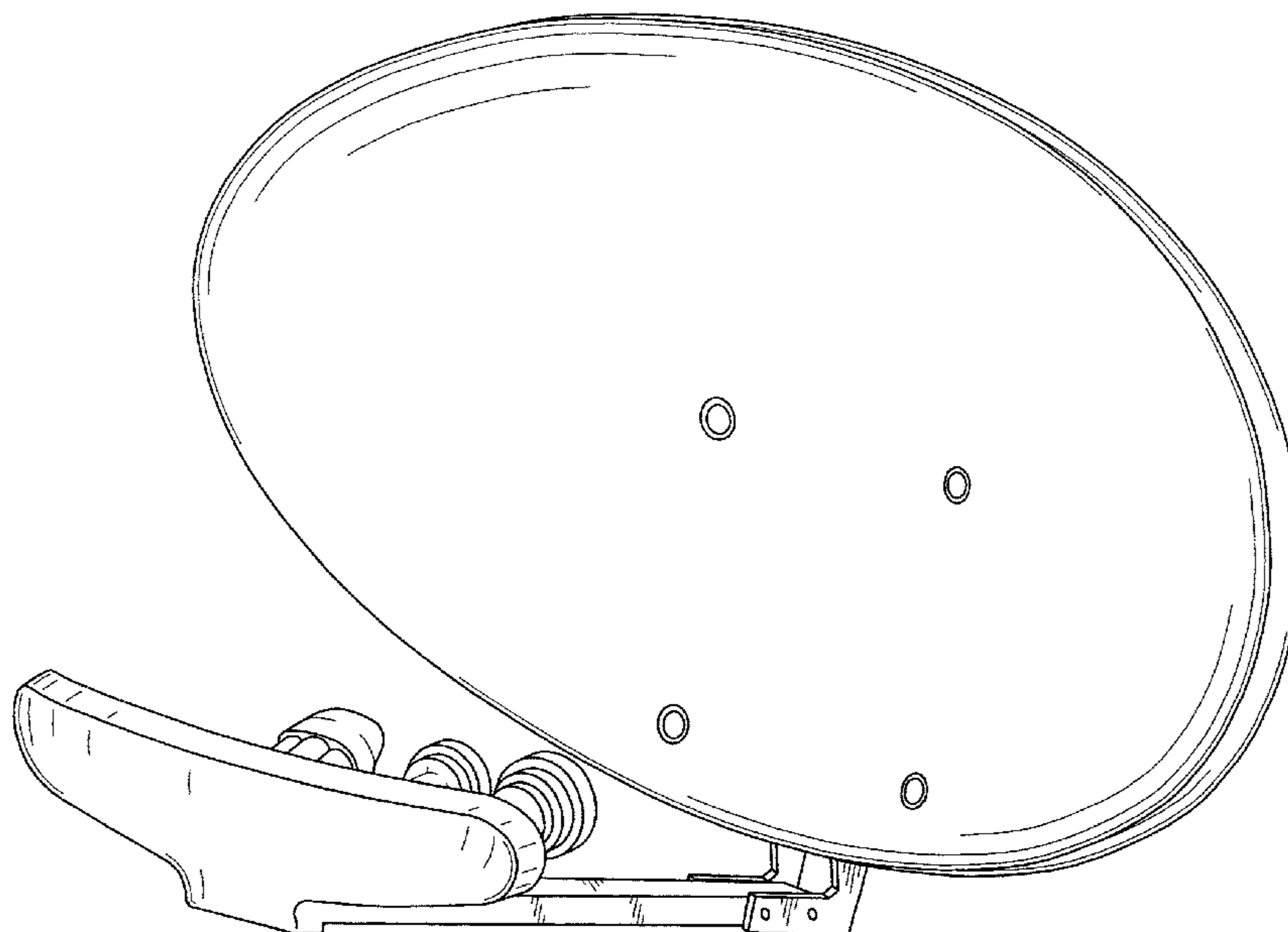
FIG. 6 illustrates a view of the LNB strip that faces toward the antenna of the present invention;

FIG. 7 illustrates a right side elevational view of the LNB strip portion of the antenna of the present invention; and,

FIG. 8 illustrates a top plan view of the LNB portion of the antenna of the present invention.

In the drawings, the broken lines depict environmental subject matter only and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



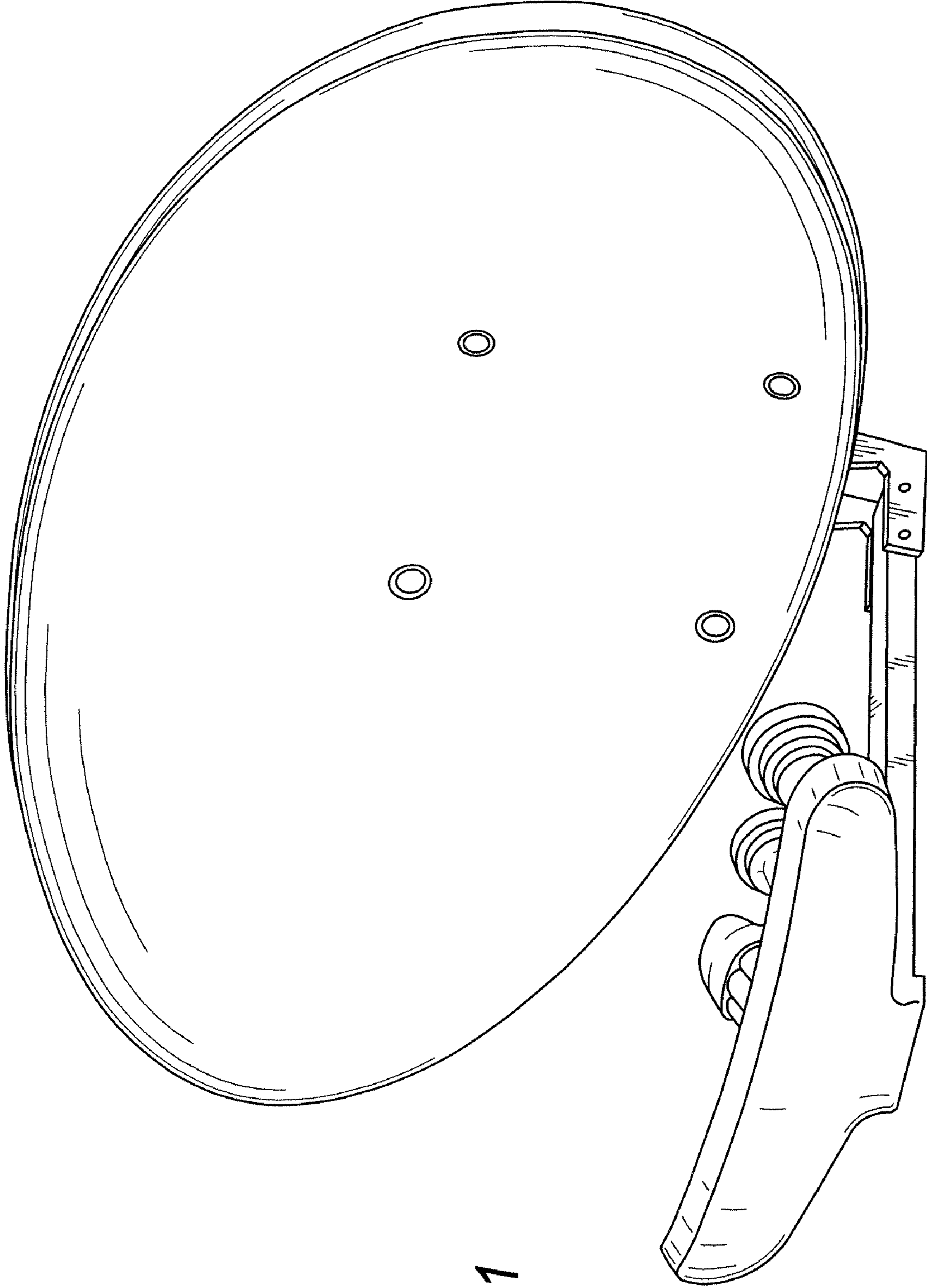


FIG. 1

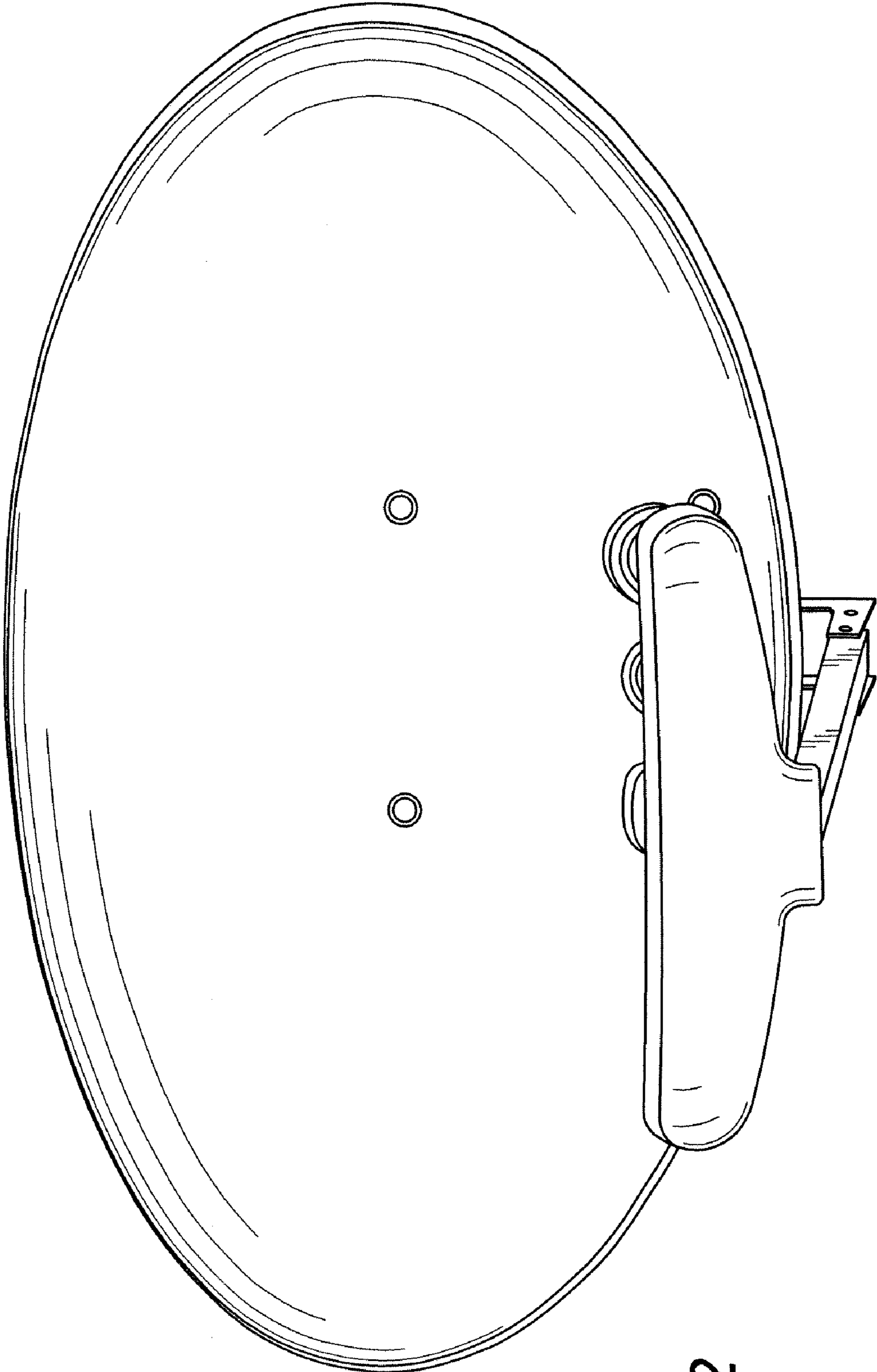


FIG. 2

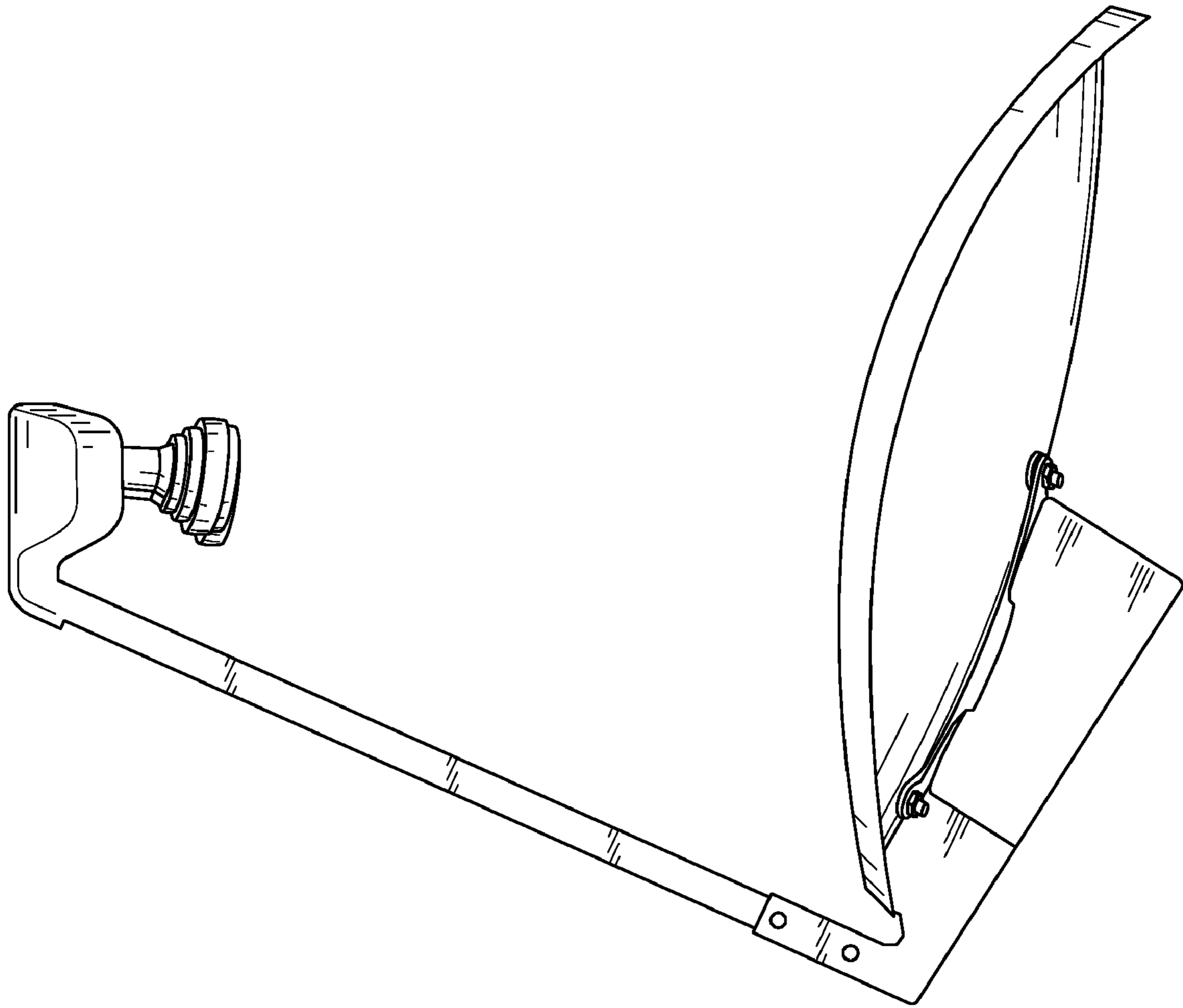


FIG. 3

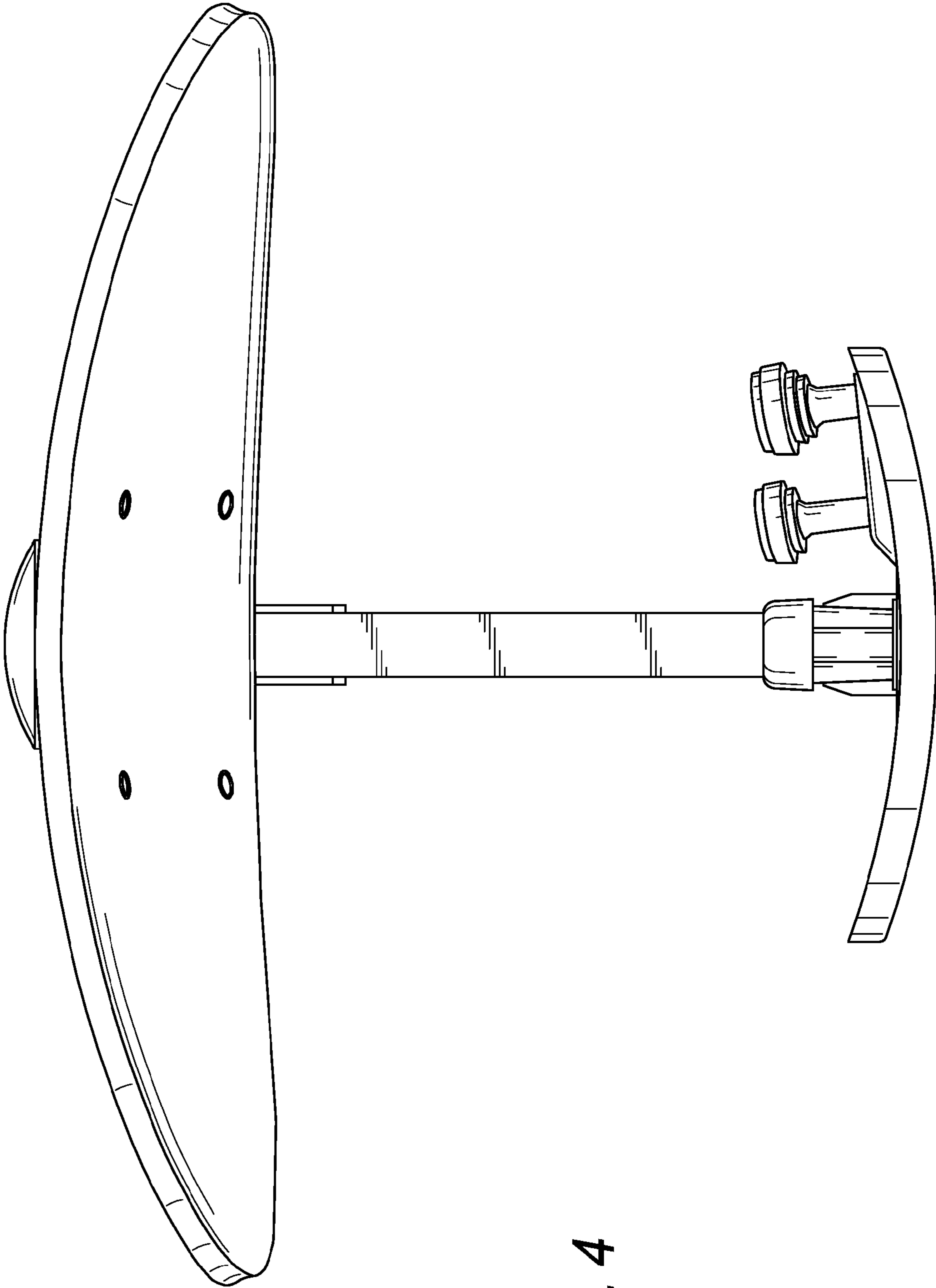


FIG. 4

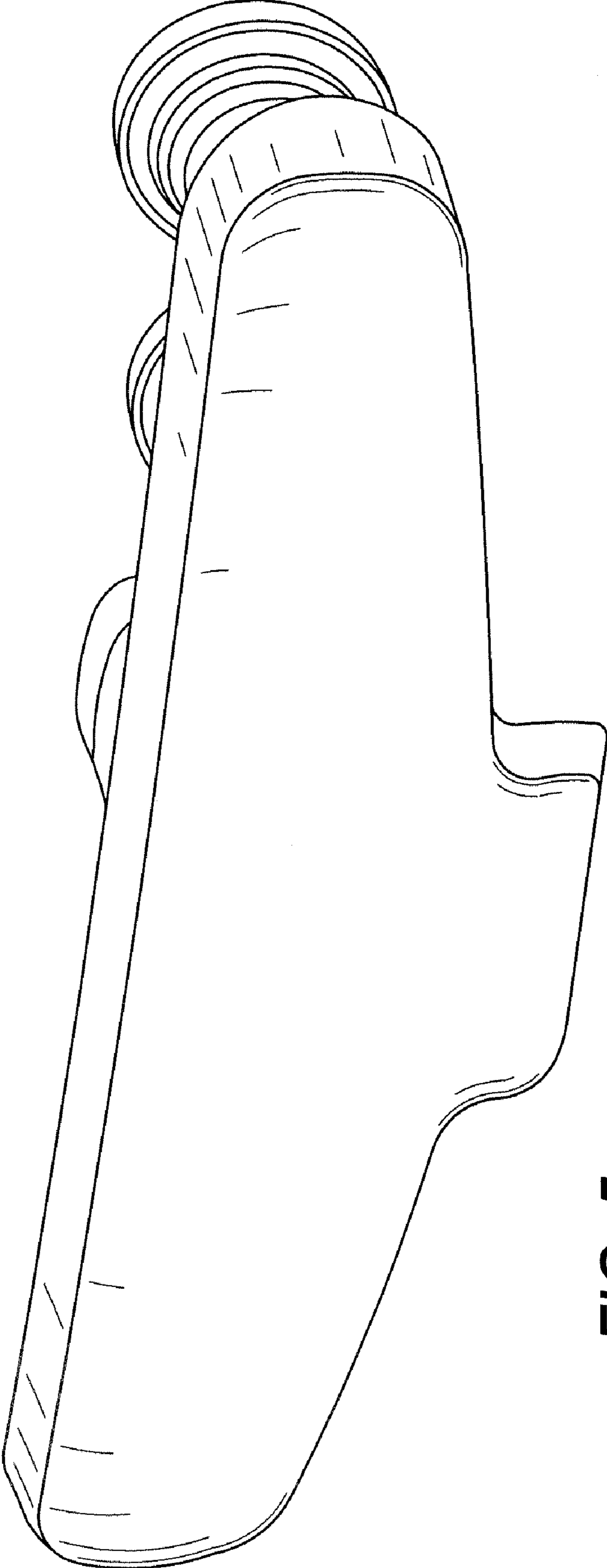


FIG. 5

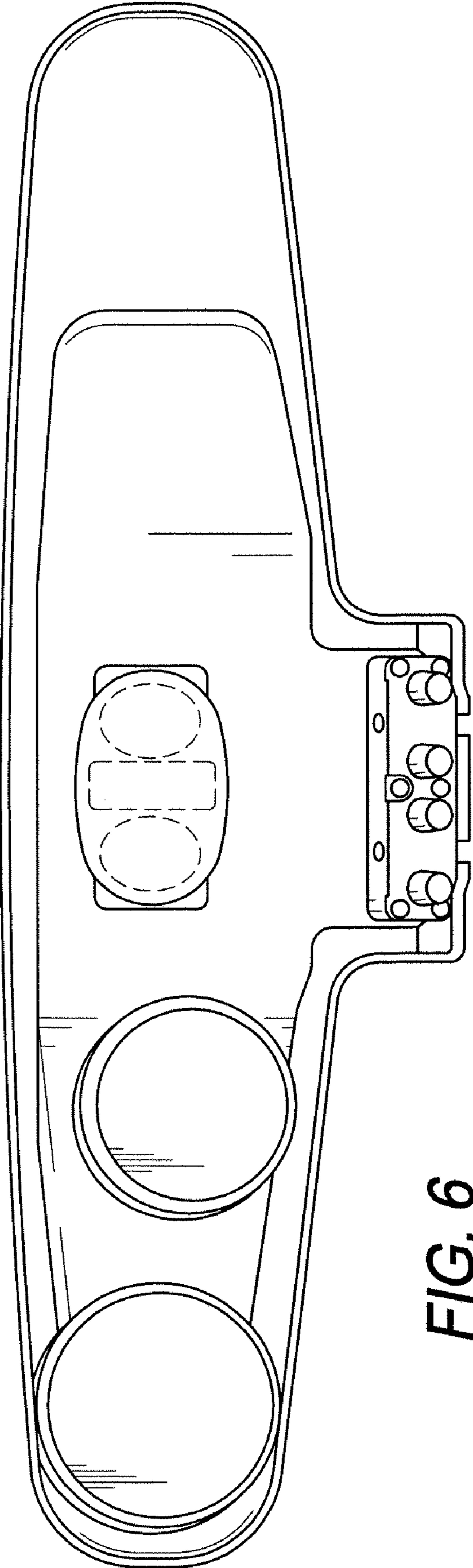


FIG. 6

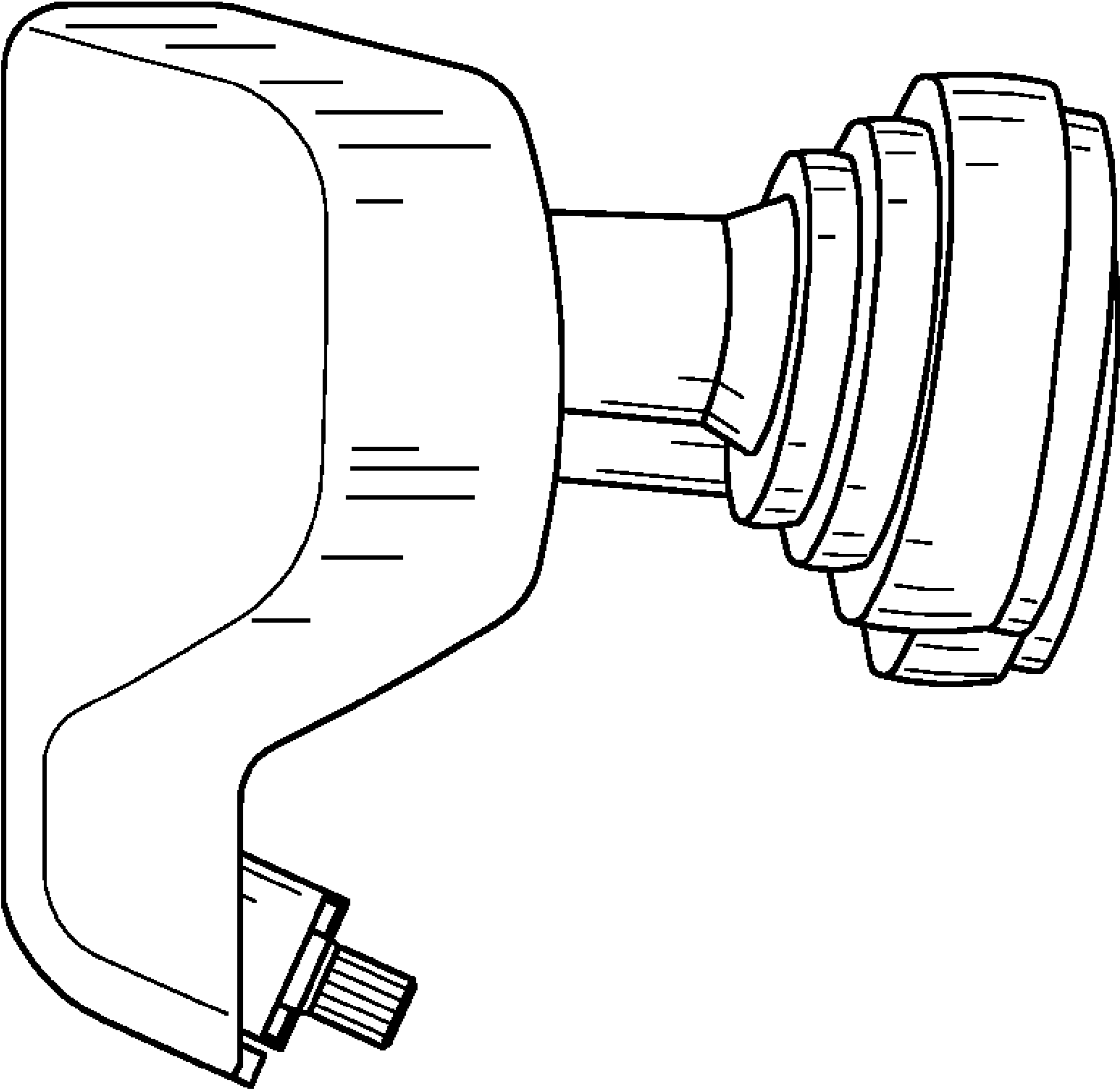


FIG. 7

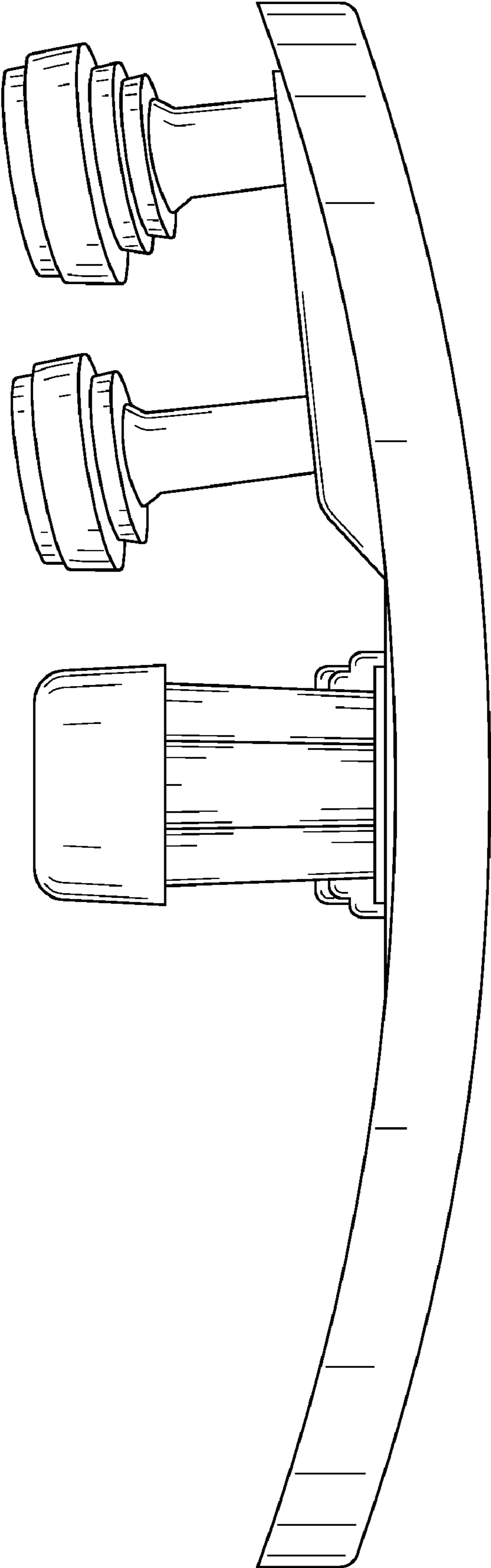


FIG. 8