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

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(45) **Date of Patent:** **\*\* Feb. 9, 2016**

(54) **MEDICAL REHAB LIFT ACTUATOR**

5,893,367 A 4/1999 Dubats et al.  
6,204,620 B1 3/2001 McGee et al.  
6,269,944 B1 8/2001 Taylor

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(Continued)

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FOREIGN PATENT DOCUMENTS

GB 1207697 10/1970  
JP 11004858 1/1999

(73) Assignee: **Gorbel, Inc.**, Fishers, NY (US)

OTHER PUBLICATIONS

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

International Search Report and Written Opinion for PCT/US14/12434 filed Jan. 22, 2014; Inventor James G. Stockmaster Jun. 18, 2014.

(21) Appl. No.: **29/508,480**

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(51) **LOC (10) Cl.** ..... **24-04**

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

USPC ..... **D24/188**

(58) **Field of Classification Search**

USPC ..... D24/188, 190

CPC ..... A61H 1/0218; A61H 1/0229

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a “medical rehab lift actuator,” as shown and described.

(56) **References Cited**

**DESCRIPTION**

U.S. PATENT DOCUMENTS

1,961,119	A *	5/1934	Ettinger	.....	A61G 7/1015 248/122.1
2,590,739	A *	3/1952	Wagner	.....	A61F 5/04 602/39
3,222,029	A *	12/1965	Hildemann	.....	A61G 7/1017 254/124
3,654,922	A *	4/1972	Outcalt	.....	A61H 1/0218 602/32
D269,701	S *	7/1983	Miller	.....	D21/688
4,602,619	A *	7/1986	Wolf	.....	A61H 1/0222 606/241
D285,137	S *	8/1986	Svensson	.....	5/81.1 R
4,607,625	A *	8/1986	Schenck	.....	A61H 1/0288 606/55
4,776,581	A *	10/1988	Shepherdson	.....	A63B 5/11 4/493
4,981,307	A	1/1991	Walsh		
5,054,137	A *	10/1991	Christensen	.....	A61G 7/1038 5/81.1 RP
D372,982	S *	8/1996	Williams	.....	D24/188

FIG. 1 is a perspective view of the bottom, front and left side of the actuator;

FIG. 2 is a left side elevation view of the actuator;

FIG. 3 is a front elevation view of the actuator;

FIG. 4 is a right side elevation view of the actuator;

FIG. 5 is a rear elevation view of the actuator;

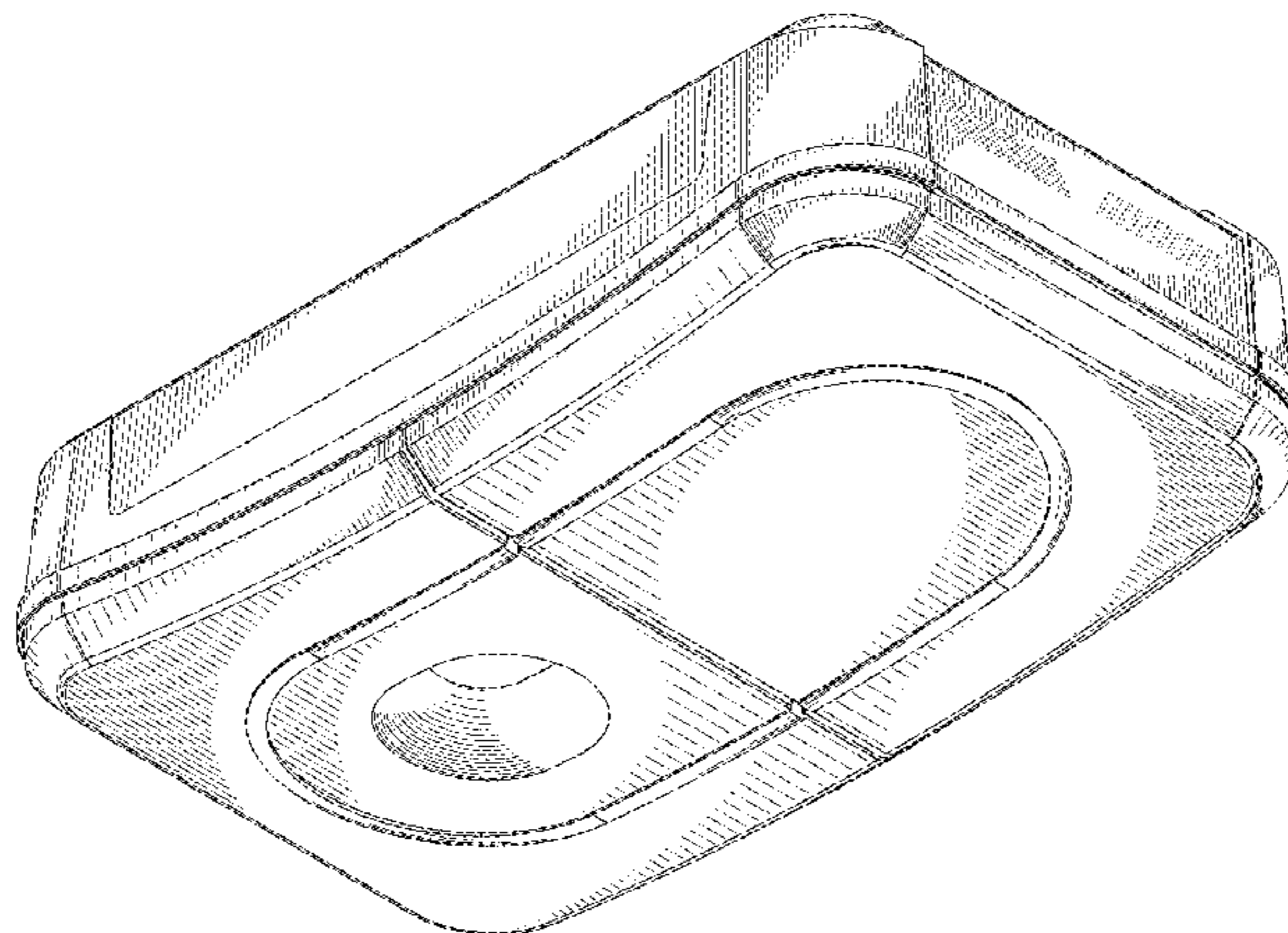
FIG. 6 is a bottom view looking upwardly at the actuator from below; and,

FIG. 7 is a top plan view of the actuator.

The claimed “medical rehab lift actuator” is a component of a body-weight support system providing vertical support via a strap (not shown) extending from the bottom thereof, and the top of the actuator may be suspended from a track or other structure.

The broken line showing portions of the medical rehab lift actuator illustrates the environment of the claimed design and forms no part thereof.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

6,313,595	B2	11/2001	Swanson et al.	7,298,385	B2	11/2007	Kazi et al.
6,612,449	B1	9/2003	Otani et al.	7,461,753	B1	12/2008	Gatta et al.
6,738,691	B1	5/2004	Colgate et al.	7,526,847	B1	5/2009	Arthur et al.
6,813,542	B2	11/2004	Peshkin et al.	7,608,847	B2	10/2009	Rees
6,907,317	B2	6/2005	Peshkin et al.	7,756,601	B1	7/2010	Van Dyke et al.
6,928,336	B2	8/2005	Peshkin et al.	7,883,450	B2	2/2011	Hidler
7,043,337	B2	5/2006	Colgate et al.	7,973,299	B2	7/2011	Rees
7,120,508	B2	10/2006	Peshkin et al.	2002/0066711	A1	6/2002	Taylor
7,185,774	B2	3/2007	Colgate et al.	2007/0004567	A1	1/2007	Shetty et al.
				2010/0137772	A1	6/2010	Tanaka et al.
				2011/0100249	A1	5/2011	Ipsen

\* cited by examiner

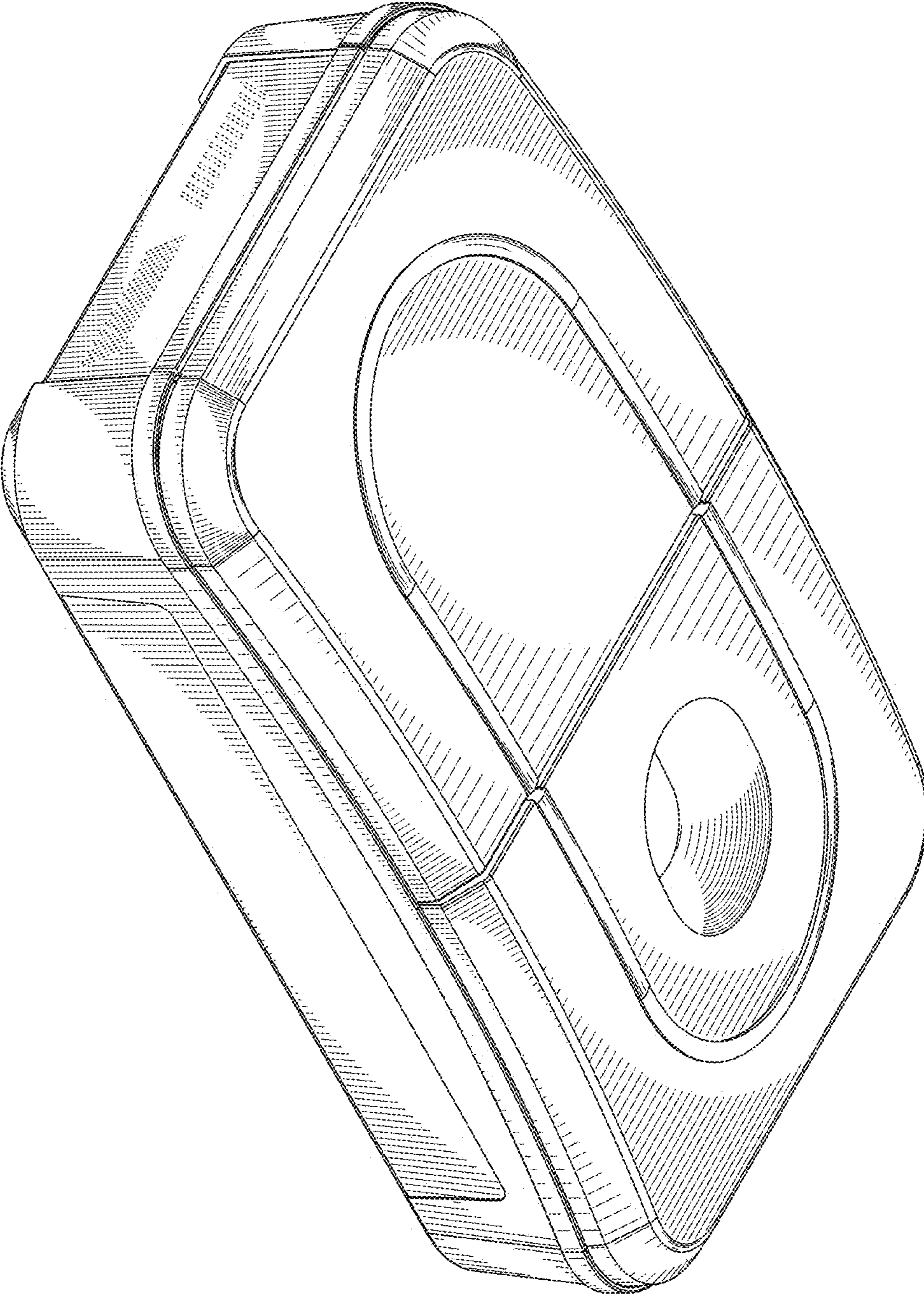


FIG. 1

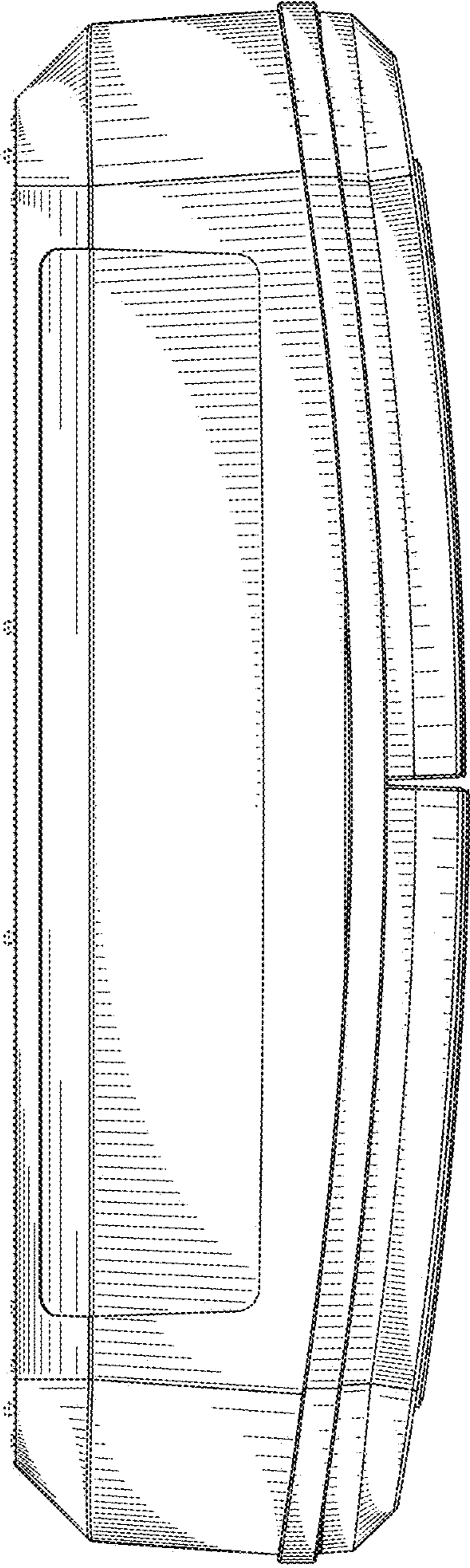


FIG. 2

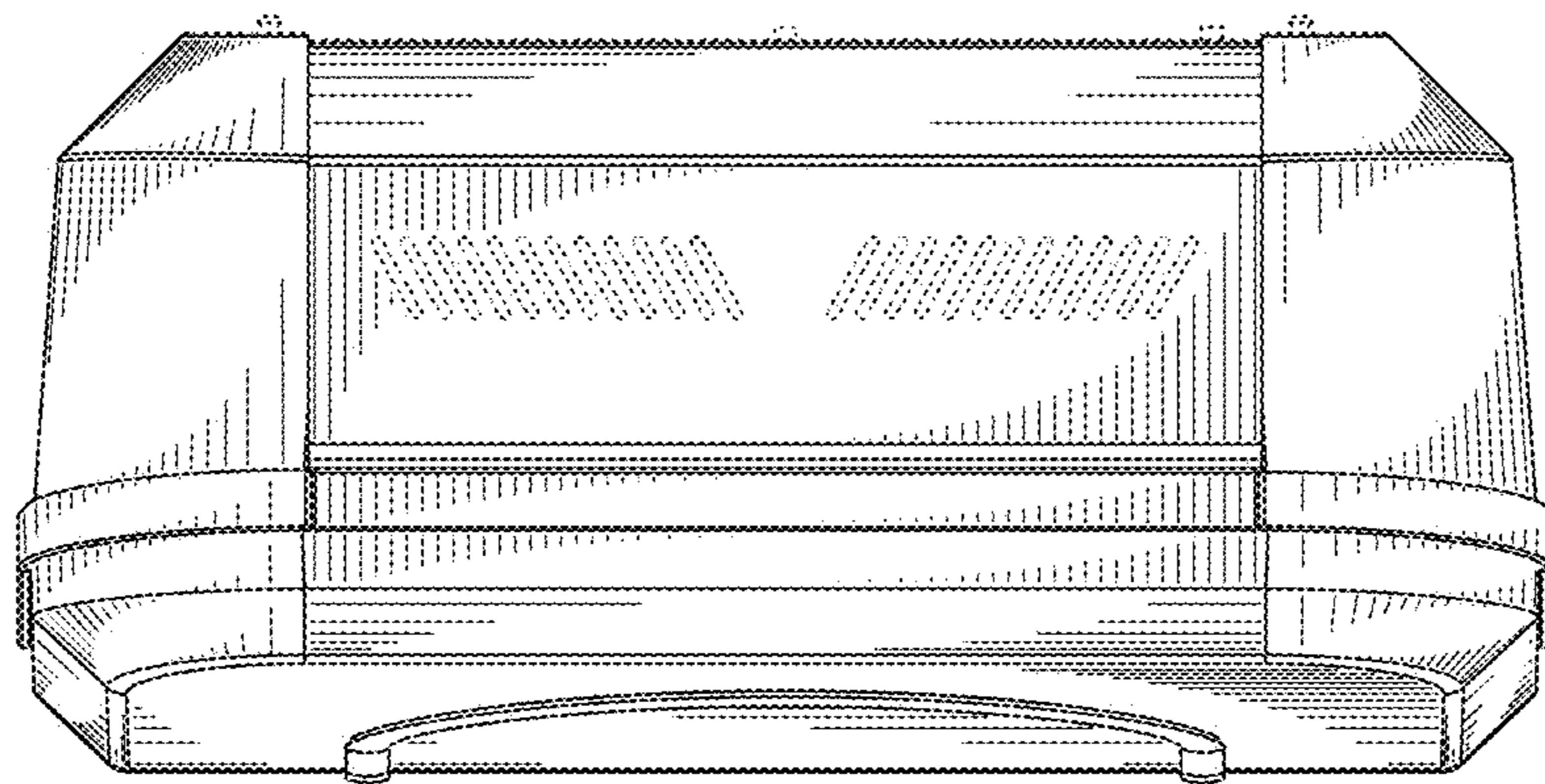


FIG. 3

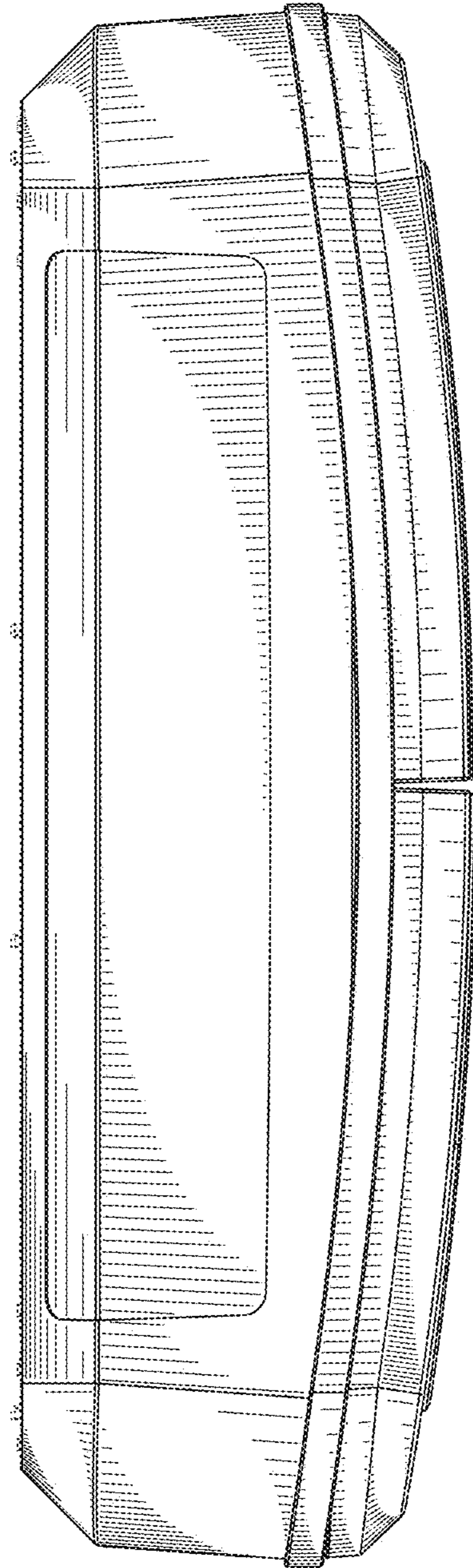


FIG. 4

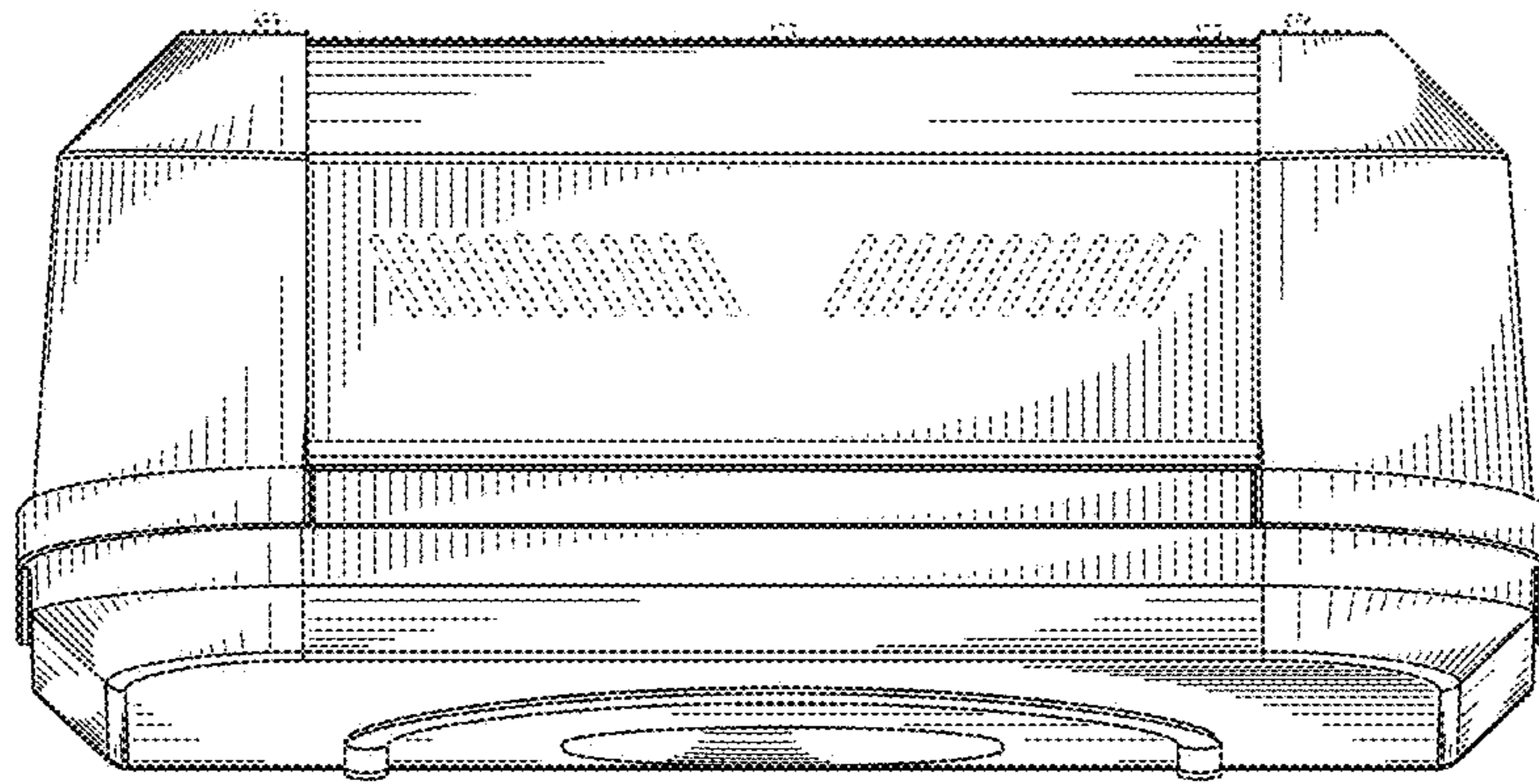


FIG. 5

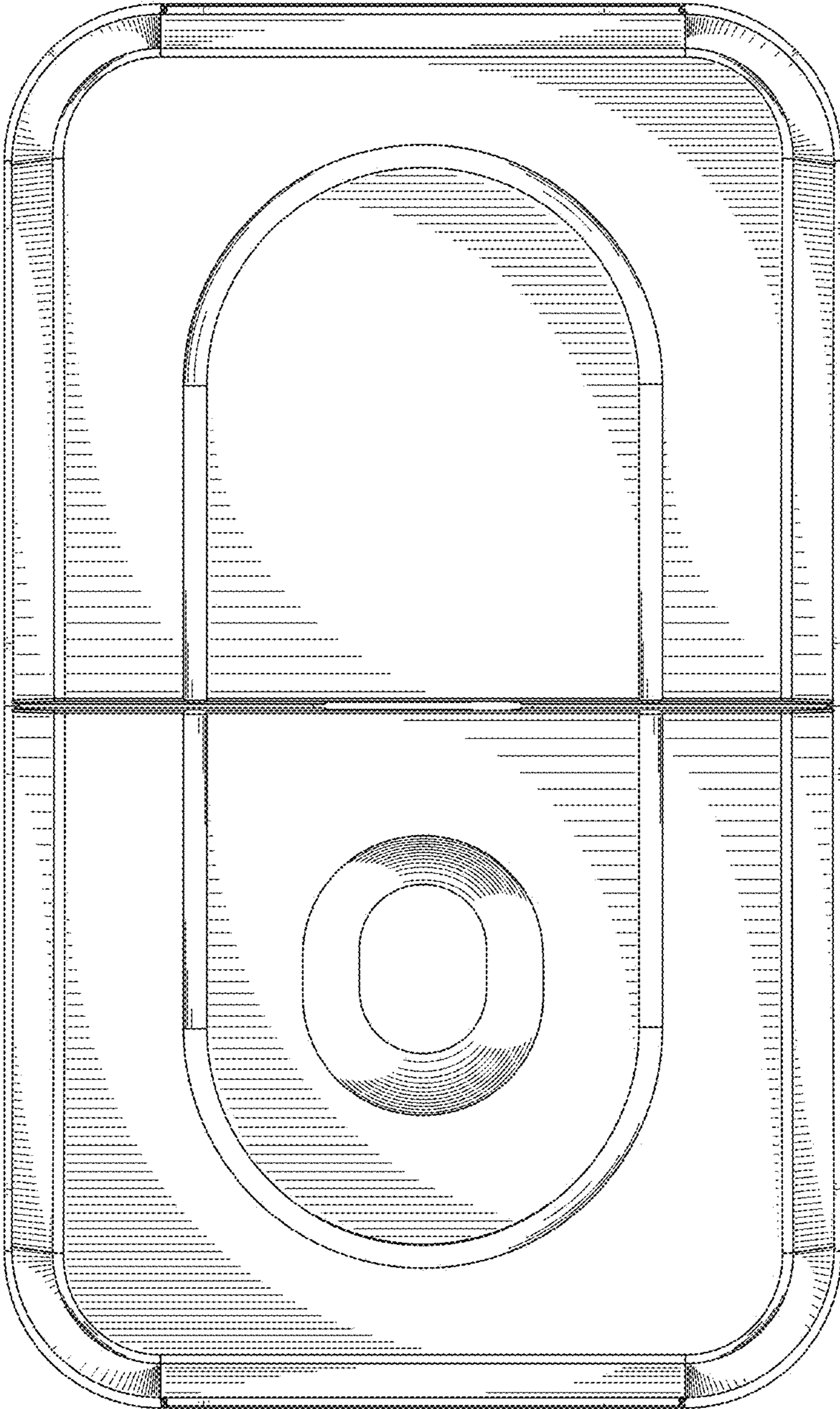


FIG. 6



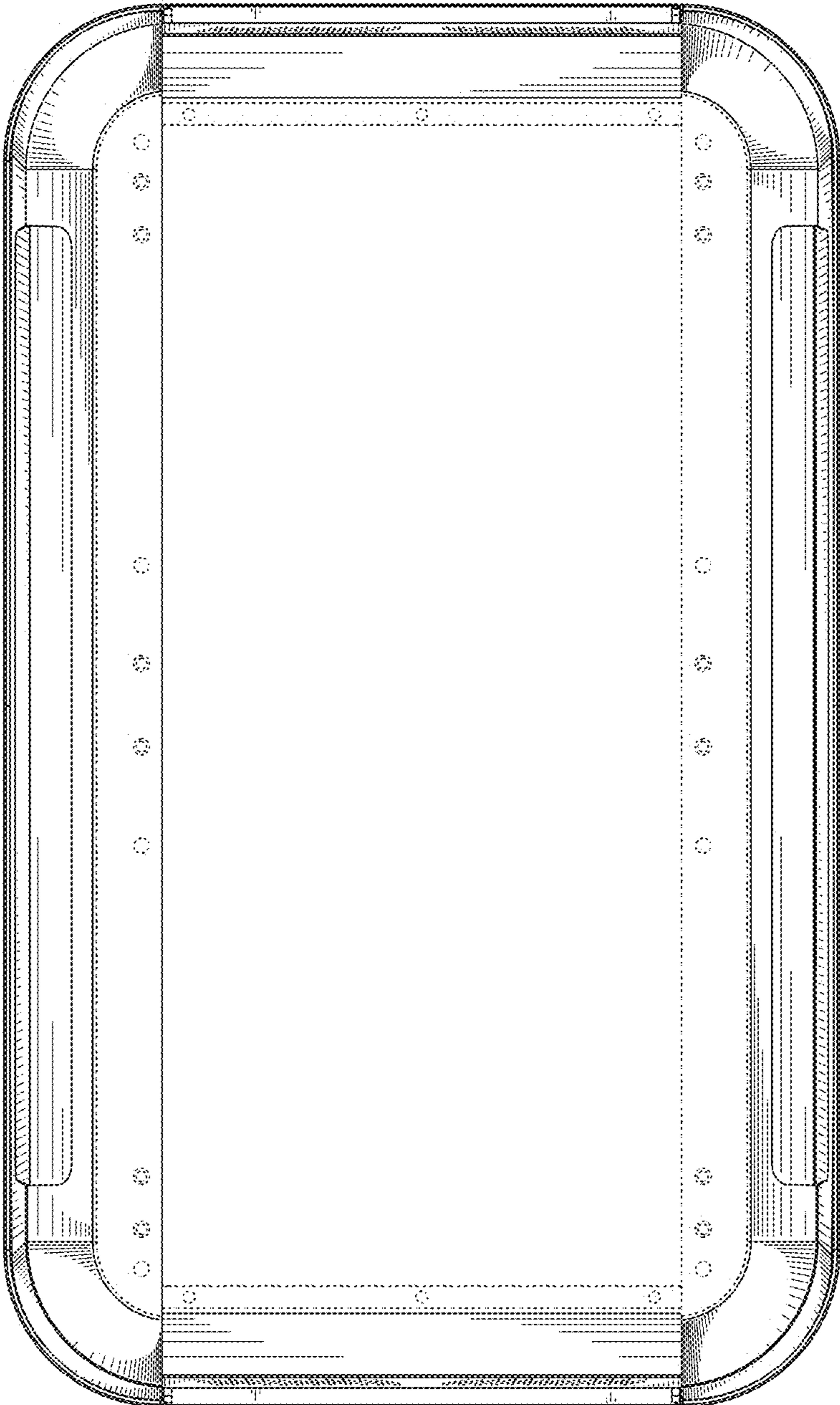


FIG. 7