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

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(54) **INSULIN PUMP**

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(73) Assignee: **CeQur ApS**, Nordborg (DK)

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

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.** ..... **D24/108; D24/111**

(58) **Field of Classification Search** ..... D24/111,  
D24/107-108, 169; 604/131, 151-152, 154;  
128/DIG. 2, DIG. 13

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,201,207	A	5/1980	Buckles et al.	
4,386,929	A	6/1983	Peery et al.	
4,752,289	A	6/1988	Balding et al.	
4,898,579	A	2/1990	Groshong et al.	
4,994,035	A	2/1991	Mokros et al.	
5,105,983	A	4/1992	Sancoff et al.	
5,120,315	A	6/1992	Hessel	
5,211,626	A	5/1993	Frank et al.	
5,317,269	A	5/1994	Mills et al.	
5,395,320	A	3/1995	Padda et al.	
5,492,533	A	2/1996	Kriesel	
5,791,880	A	8/1998	Wilson	
5,843,014	A	12/1998	Lattin et al.	
D469,176	S *	1/2003	Hall et al. ....	D24/111
6,555,986	B2	4/2003	Moberg	
D475,454	S *	6/2003	Gillespie et al. ....	D24/111
6,589,229	B1	7/2003	Connelly et al.	
6,659,980	B2	12/2003	Moberg et al.	

6,740,059	B2	5/2004	Flaherty	
6,852,104	B2 *	2/2005	Blomquist .....	604/504
6,872,200	B2 *	3/2005	Mann et al. ....	604/890.1
6,901,293	B2	5/2005	Rogers et al.	

(Continued)

**FOREIGN PATENT DOCUMENTS**

DE 198 58 426 9/1999

(Continued)

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(57) **CLAIM**

The ornamental design for an insulin pump, as shown and described.

**DESCRIPTION**

FIG. 1 is a top view of an insulin pump comprising a new, original and ornamental design;

FIG. 2 is a rear view of the insulin pump comprising the new, original and ornamental design;

FIG. 3 is a bottom view of the insulin pump comprising the new, original and ornamental design;

FIG. 4 is top, rear exploded perspective view of the insulin pump comprising the new, original and ornamental design;

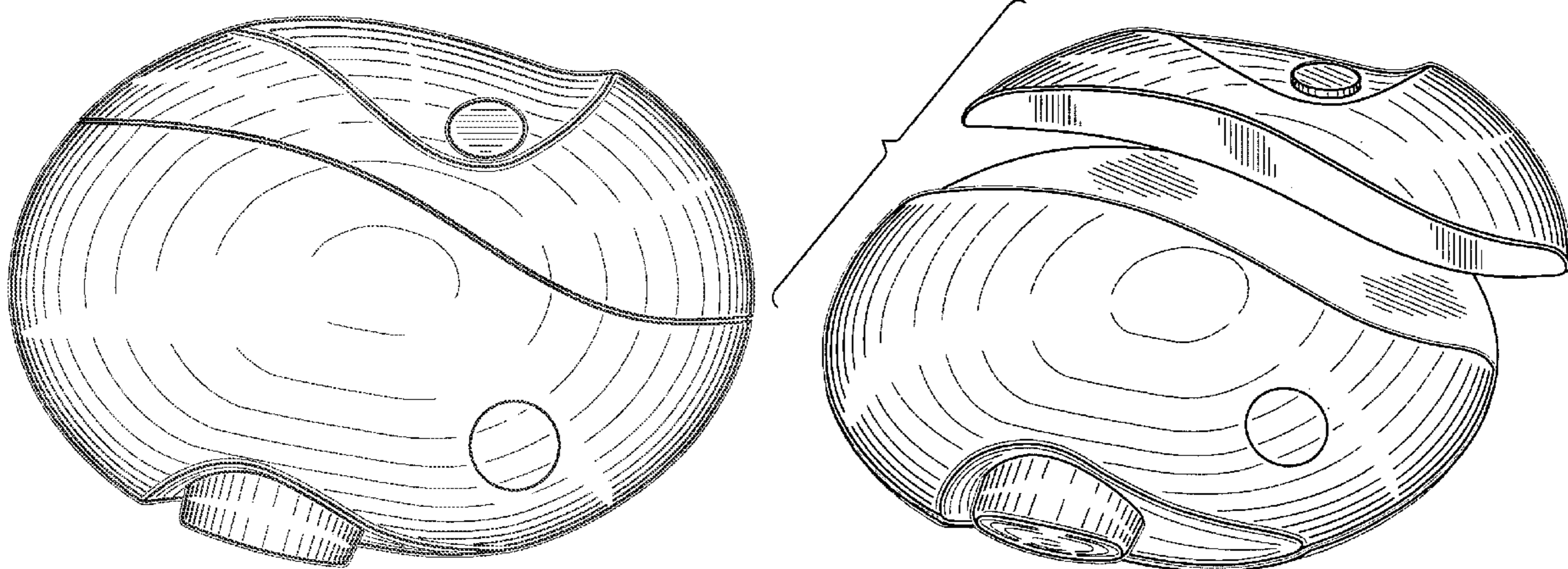
FIG. 5 is a front view of the insulin pump comprising the new, original and ornamental design;

FIG. 6 is a right-hand side view of the insulin pump comprising the new, original and ornamental design; and,

FIG. 7 is a left-hand side view of the insulin pump comprising the new, original and ornamental design.

The broken line showing the circle shape in FIG. 3 is included for the purpose of illustrating environmental structure and forms no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



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## U.S. PATENT DOCUMENTS

D516,217 S \* 2/2006 Brown et al. .... D24/186  
6,997,920 B2 2/2006 Mann et al.  
7,291,126 B2 11/2007 Shekalim et al.  
D564,087 S \* 3/2008 Yodfat et al. .... D24/108  
7,341,572 B2 3/2008 Bridle et al.  
7,377,907 B2 5/2008 Shekalim  
D580,047 S \* 11/2008 Pukall et al. .... D24/108  
D580,285 S \* 11/2008 Hendrickson et al. .... D10/78  
D585,136 S \* 1/2009 Kurokawa et al. .... D24/169  
D585,137 S \* 1/2009 Onoda et al. .... D24/169  
D586,463 S \* 2/2009 Evans et al. .... D24/111  
2003/0204274 A1 10/2003 Ullestad et al.  
2003/0212379 A1 11/2003 Bylund et al.  
2004/0133166 A1 7/2004 Moberg et al.  
2004/0158207 A1 8/2004 Hunn et al.  
2004/0167464 A1 8/2004 Ireland et al.  
2005/0101932 A1 5/2005 Cote et al.  
2006/0184121 A1 8/2006 Brockman et al.  
2006/0224141 A1 10/2006 Rush et al.

2007/0032891 A1 2/2007 Choi  
2007/0060870 A1 3/2007 Tolle et al.  
2007/0083153 A1 4/2007 Haar  
2007/0250007 A1 10/2007 Shekalim  
2008/0051710 A1 2/2008 Moberg et al.  
2008/0051738 A1 2/2008 Griffin  
2008/0058718 A1 3/2008 Adams et al.  
2008/0086086 A1 4/2008 Field et al.  
2008/0147044 A1 6/2008 Palmer et al.  
2008/0172031 A1\* 7/2008 Blomquist ..... 604/500  
2008/0183060 A1 7/2008 Steil et al.  
2009/0005729 A1\* 1/2009 Hendrixson et al. .... 604/67

## FOREIGN PATENT DOCUMENTS

JP 8206199 8/1996  
WO WO-94/27669 12/1994  
WO WO-97/38322 12/1997  
WO WO-04/032990 4/2004  
WO W0-07/140632 12/2007

\* cited by examiner

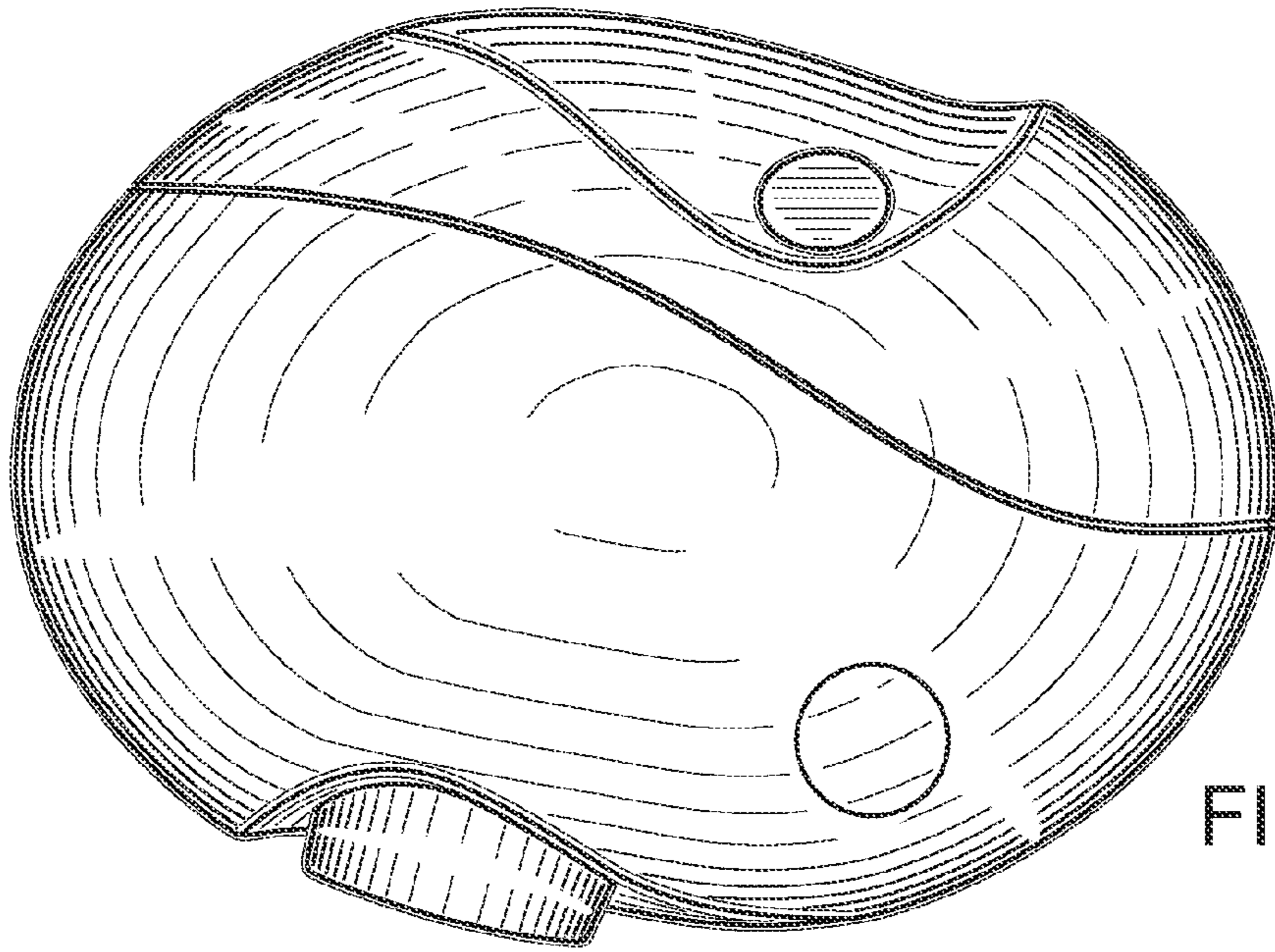


FIG. 1

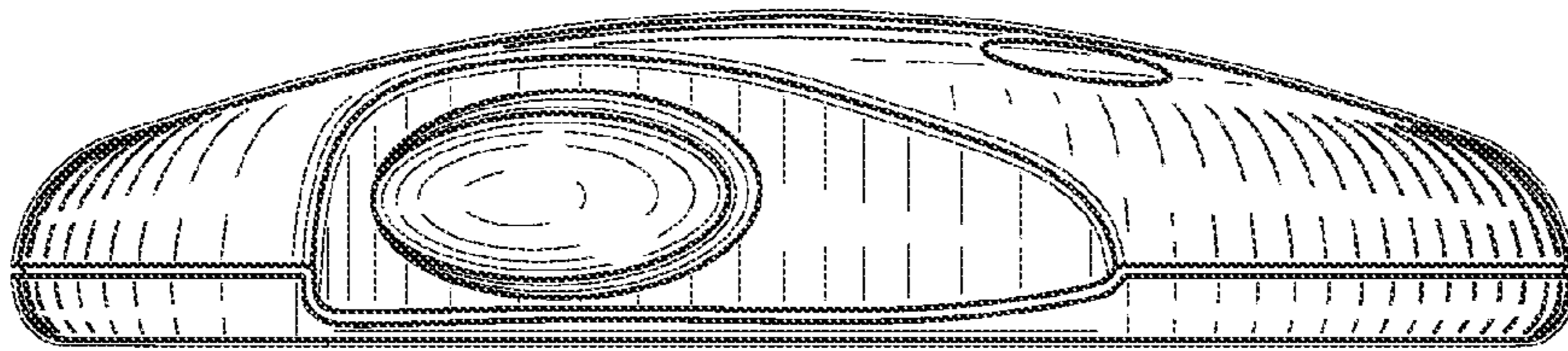


FIG. 2

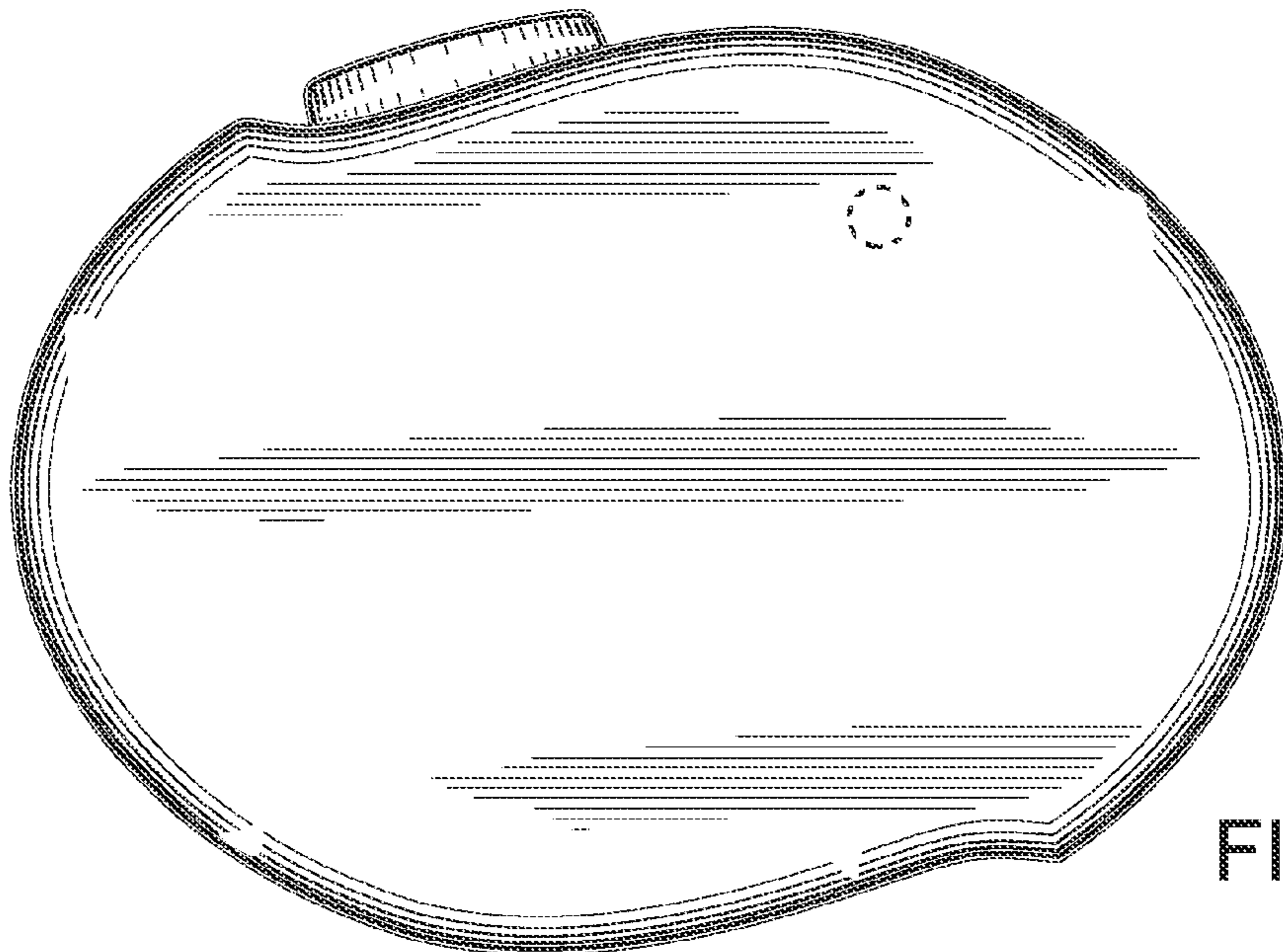


FIG. 3

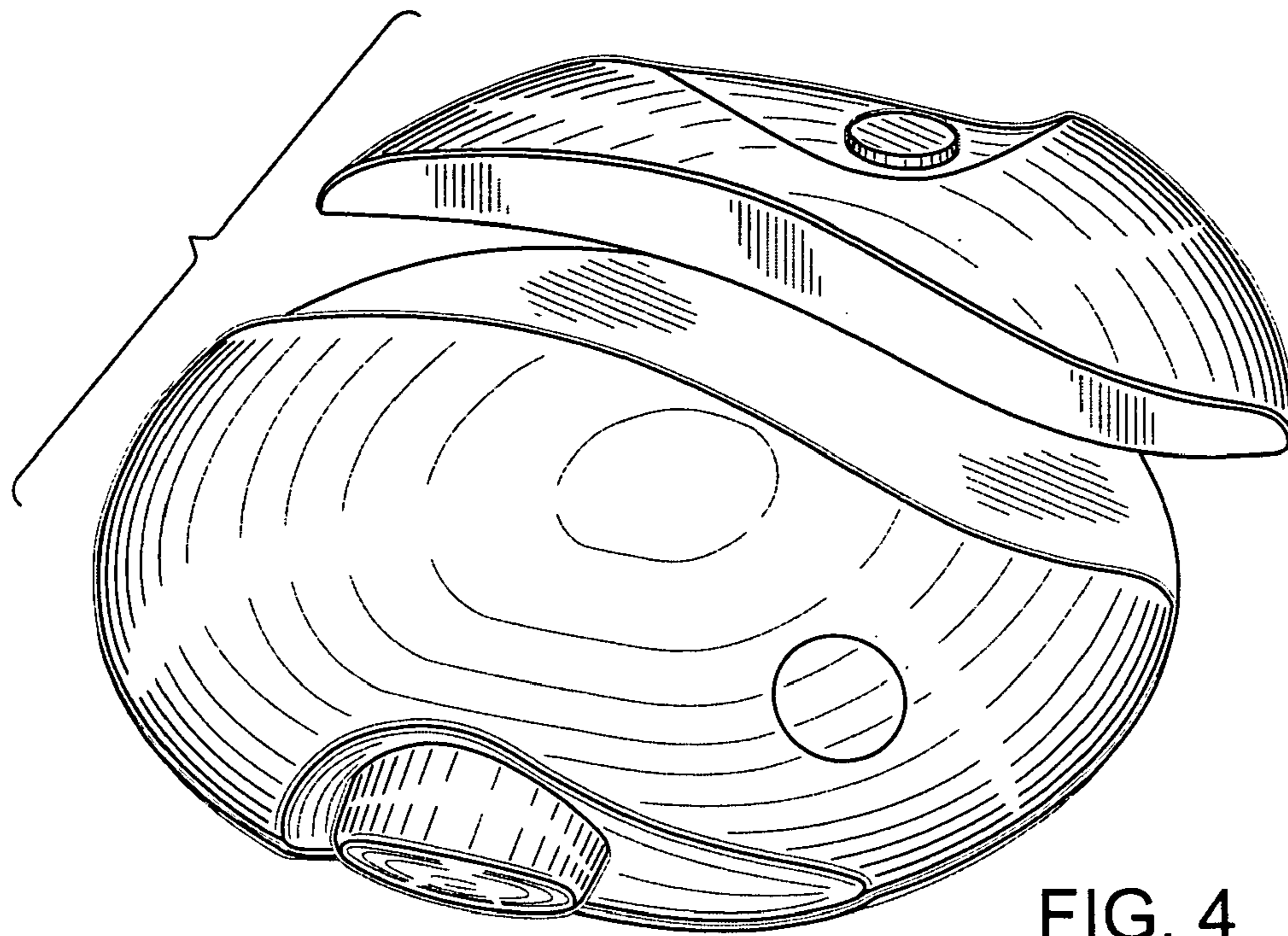


FIG. 4

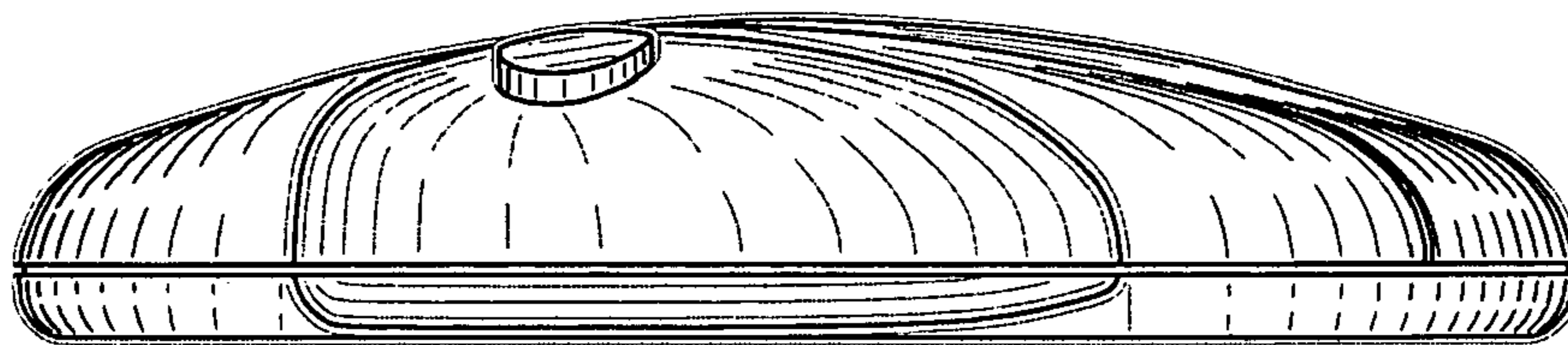


FIG. 5

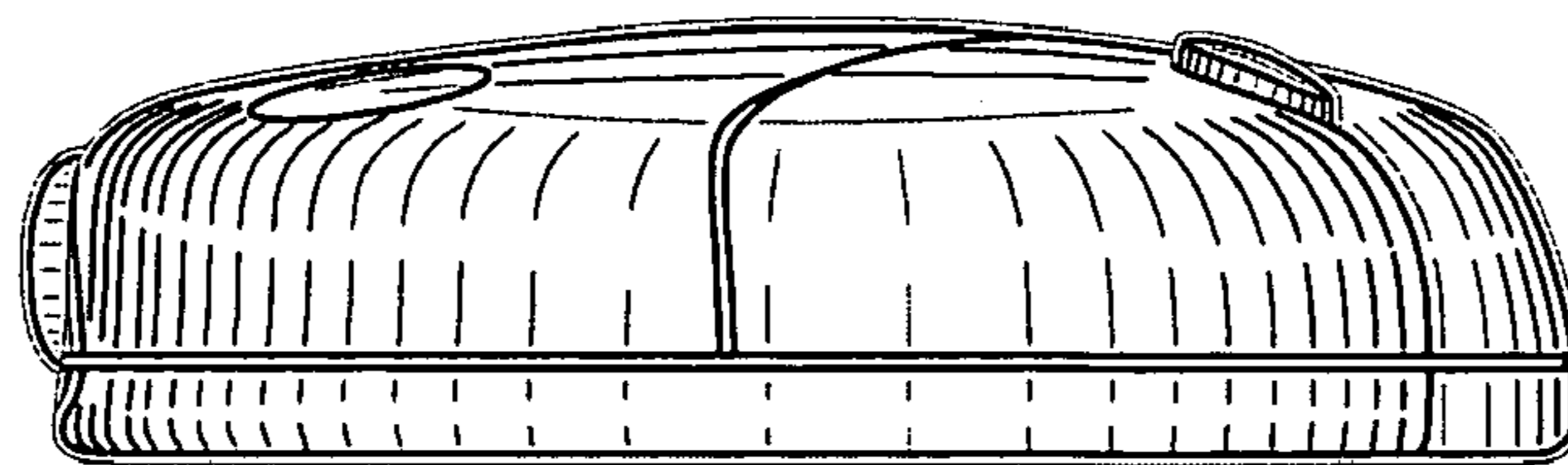


FIG. 6

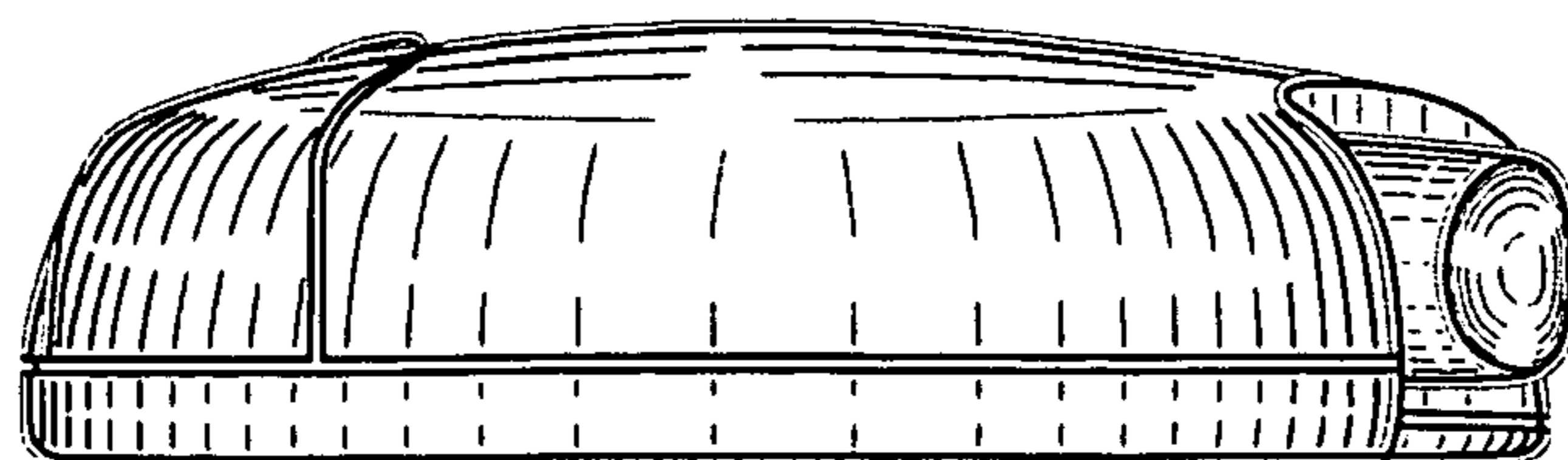


FIG. 7