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

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(54) **MEMBRANE FOR FLUID HANDLING CASSETTE**

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

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(51) **LOC (9) Cl.** **24-02**

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

(58) **Field of Classification Search** D24/111,
D24/232, 231, 108, 107; 604/153, 30, 34,
604/113, 82, 114; 417/474; D9/732

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D215,649	S	*	10/1969	MacLachlan et al.	.....	D9/732
D331,799	S	*	12/1992	Kramer et al.	.....	D24/111
5,302,093	A	*	4/1994	Owens et al.	.....	417/474
D350,822	S	*	9/1994	Lanigan	.....	D24/111
D350,823	S	*	9/1994	Lanigan	.....	D24/111
5,350,357	A		9/1994	Kamen et al.		
D357,312	S	*	4/1995	Riquier et al.	.....	D24/111
5,421,823	A		6/1995	Kamen et al.		
5,431,626	A		7/1995	Bryant et al.		
5,438,510	A		8/1995	Bryant et al.		
5,474,683	A		12/1995	Bryant et al.		
5,540,808	A		7/1996	Vincent et al.		
5,628,908	A		5/1997	Kamen et al.		
5,634,896	A		6/1997	Bryant et al.		
D398,051	S		9/1998	Lanigan		
5,938,634	A		8/1999	Packard		

5,989,423	A	11/1999	Kamen et al.	
6,416,293	B1	7/2002	Bouchard et al.	
6,743,201	B1 *	6/2004	Donig et al.	..... 604/114
2006/0241550	A1	10/2006	Kamen et al.	
2008/0015493	A1	1/2008	Childers et al.	
2008/0208111	A1	8/2008	Kamen et al.	
2008/0240929	A1	10/2008	Kamen et al.	

FOREIGN PATENT DOCUMENTS

EP	0829266	A2	3/1996
EP	0815882	A2	1/1998
WO	2009/09418	A1	7/2009
WO	2009/09418	A2	7/2009

* cited by examiner

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(57) **CLAIM**

The ornamental design for a membrane for fluid handling cassette, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of the membrane for fluid handling cassette;

FIG. 2 is a rear perspective view thereof;

FIG. 3 is a left side view, the right side view being a mirror image thereof;

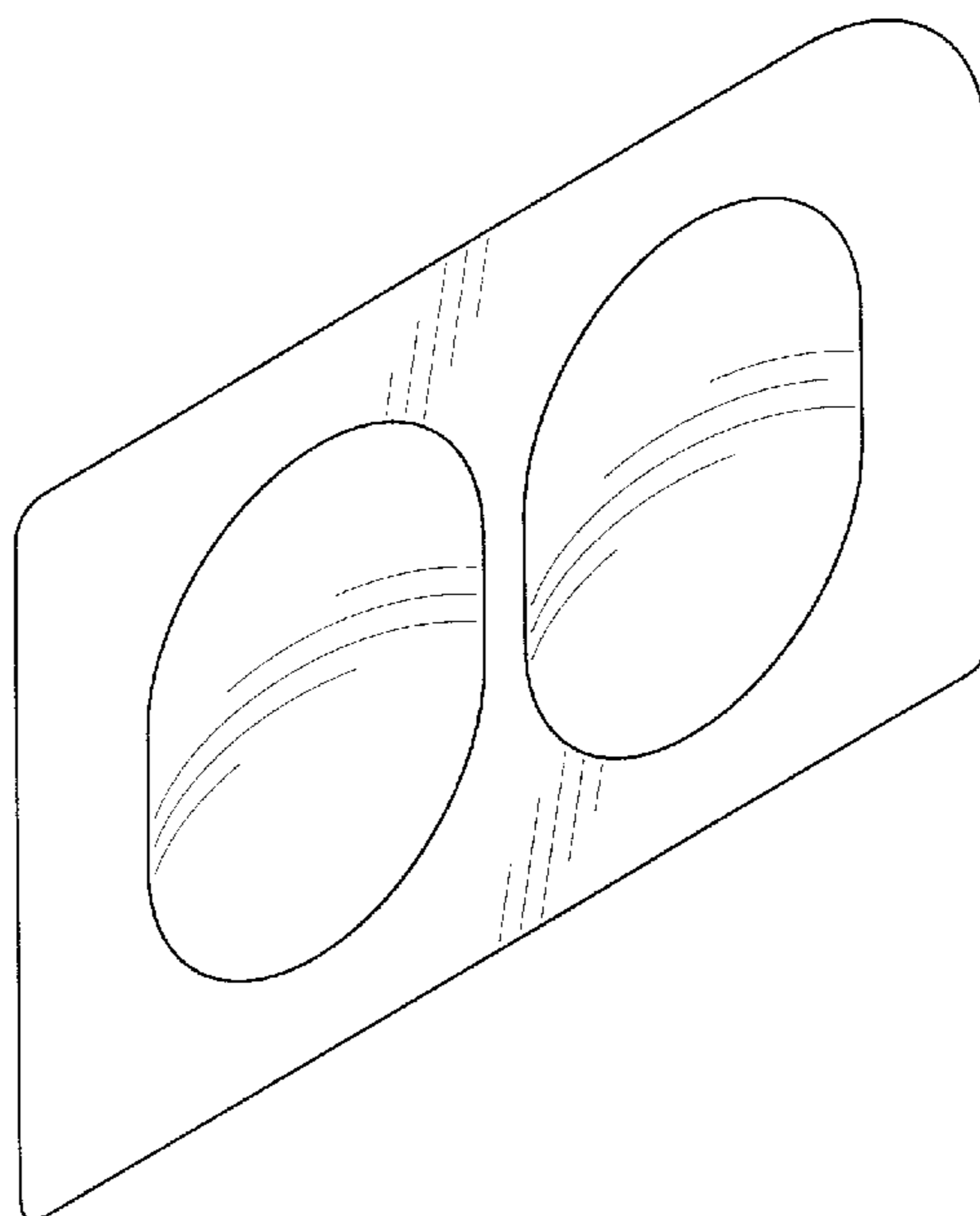
FIG. 4 is a front side view thereof;

FIG. 5 is a rear side view thereof;

FIG. 6 is a top side view thereof; and,

FIG. 7 is a bottom side view thereof.

1 Claim, 7 Drawing Sheets



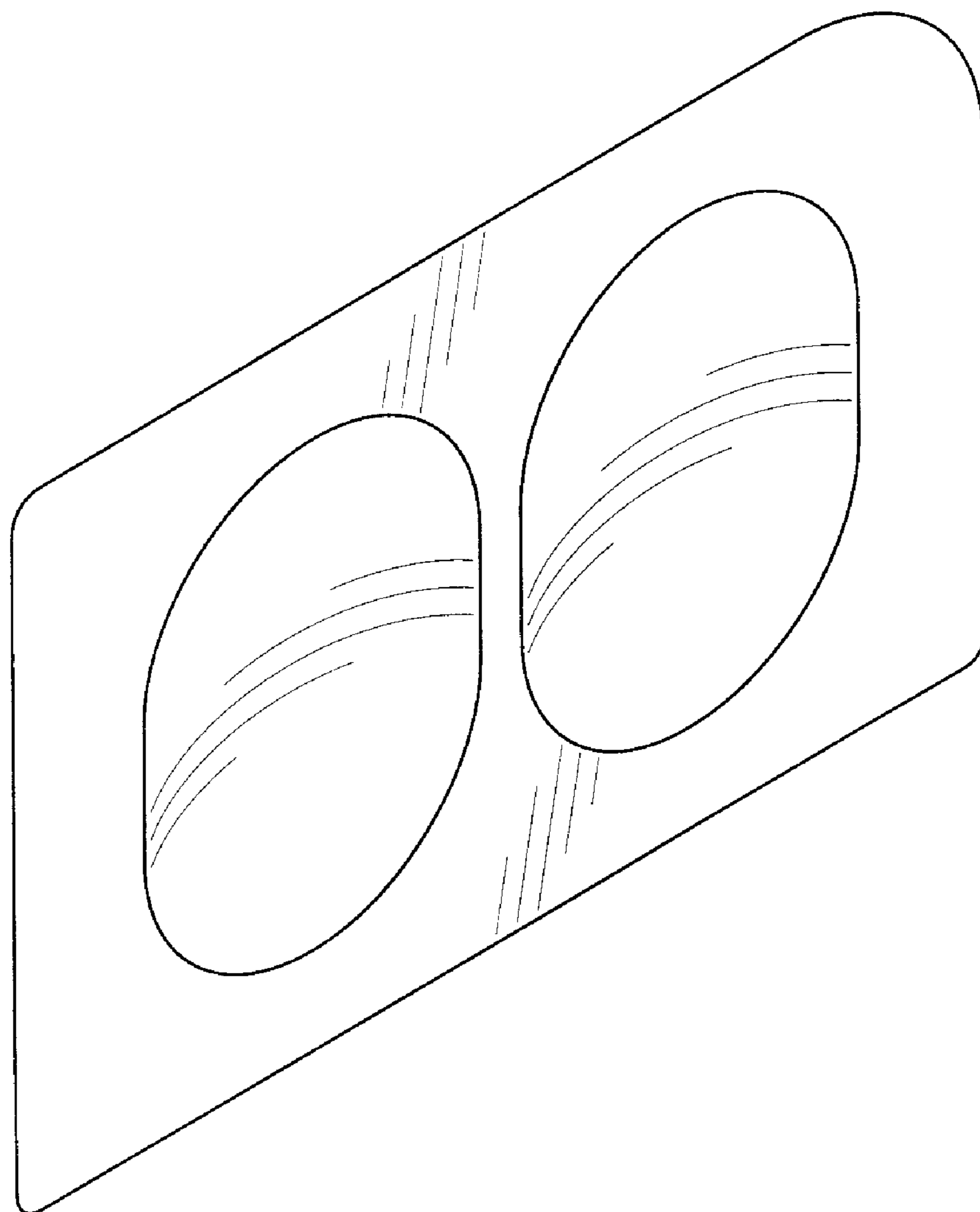


FIG. 1

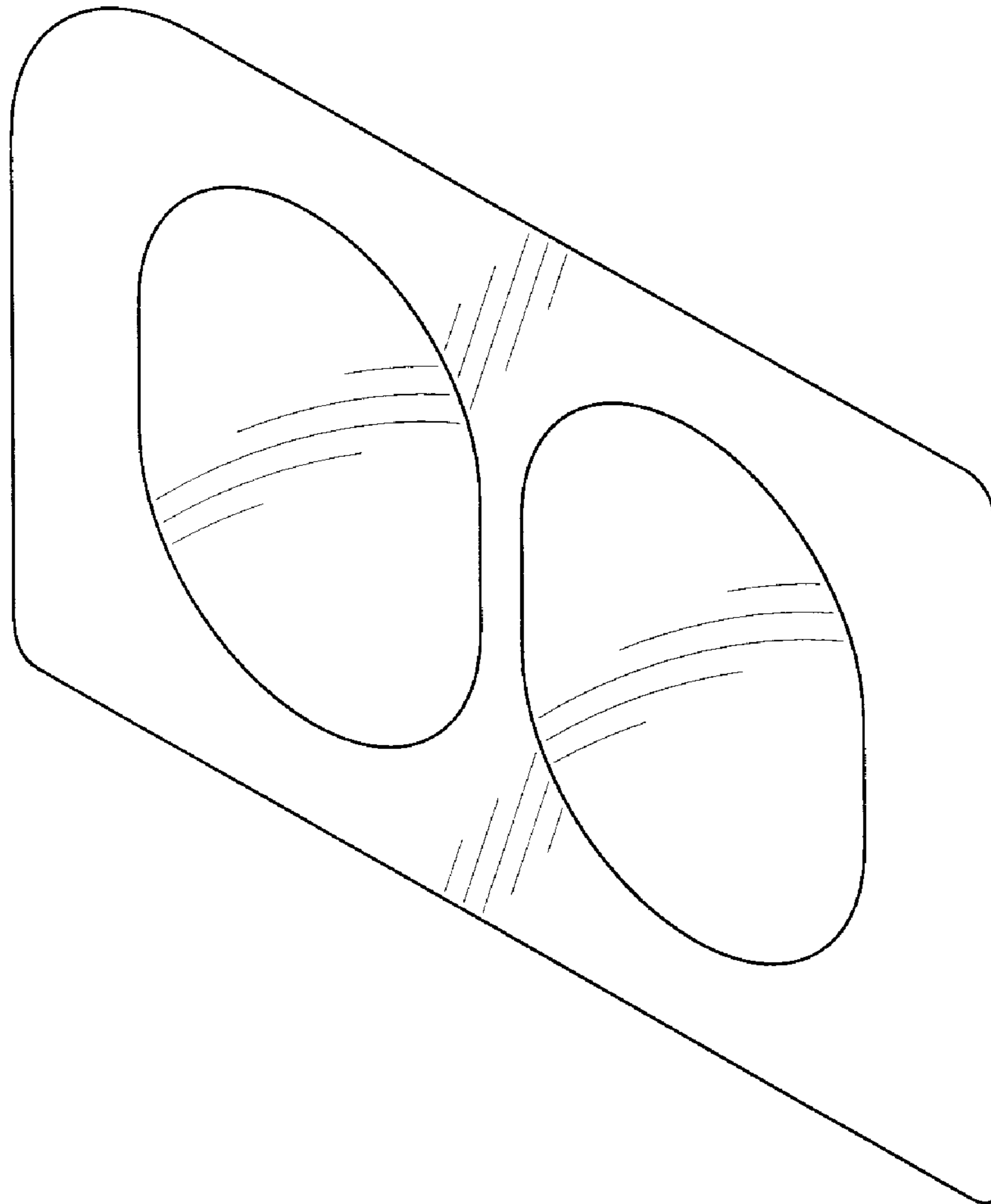


FIG. 2

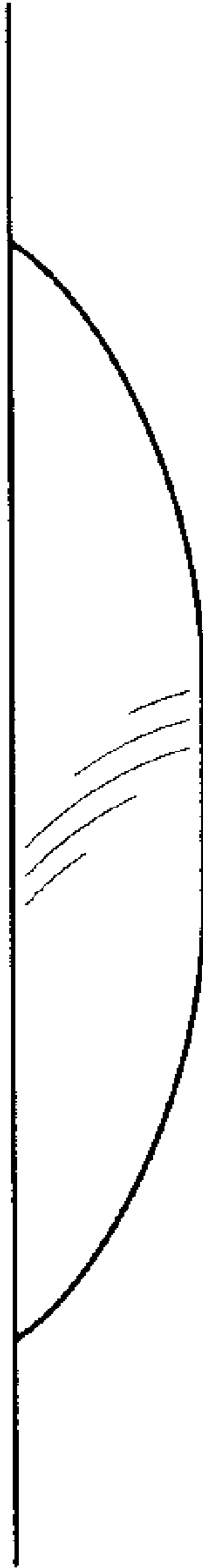


FIG. 3

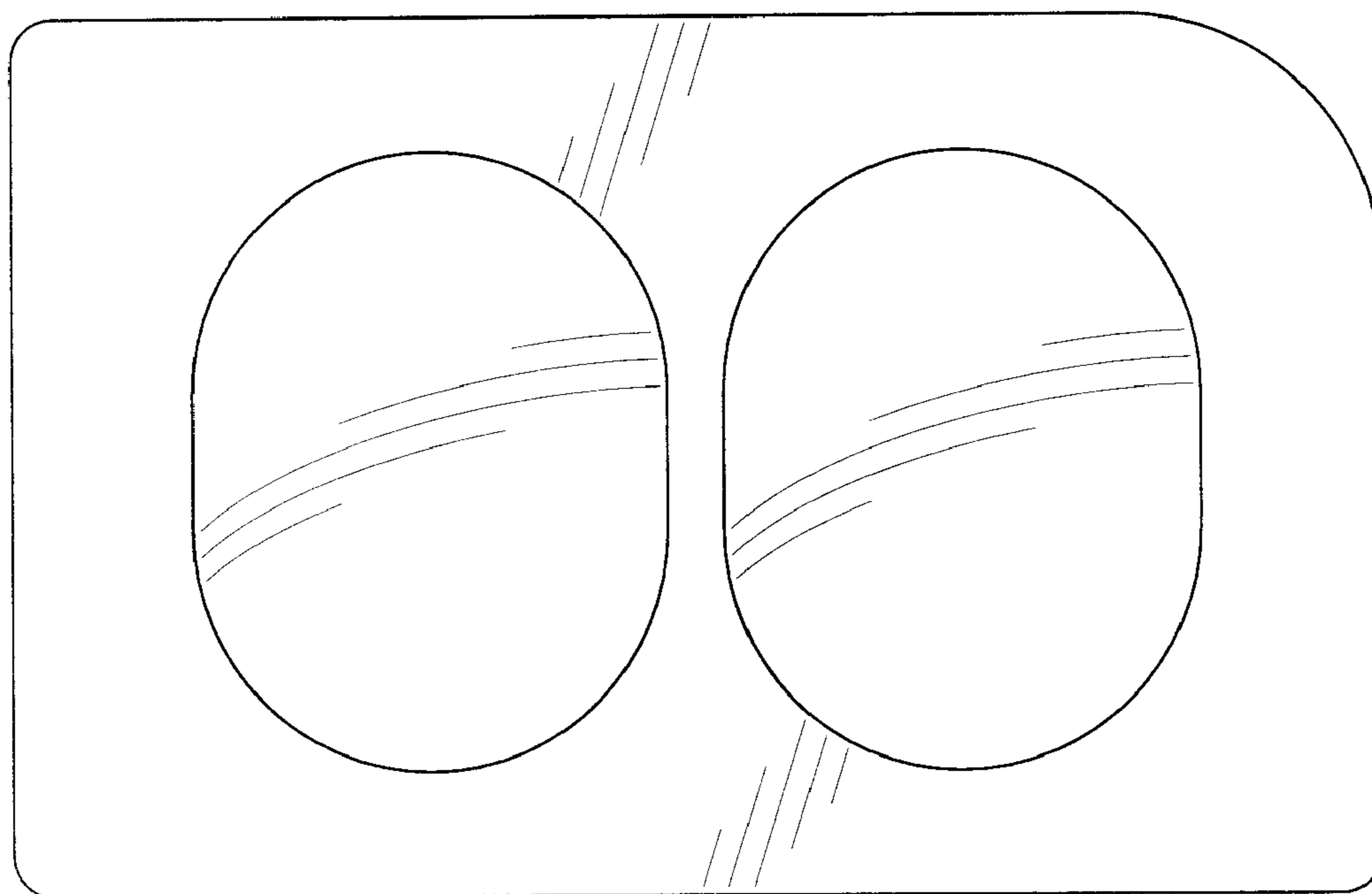


FIG. 4

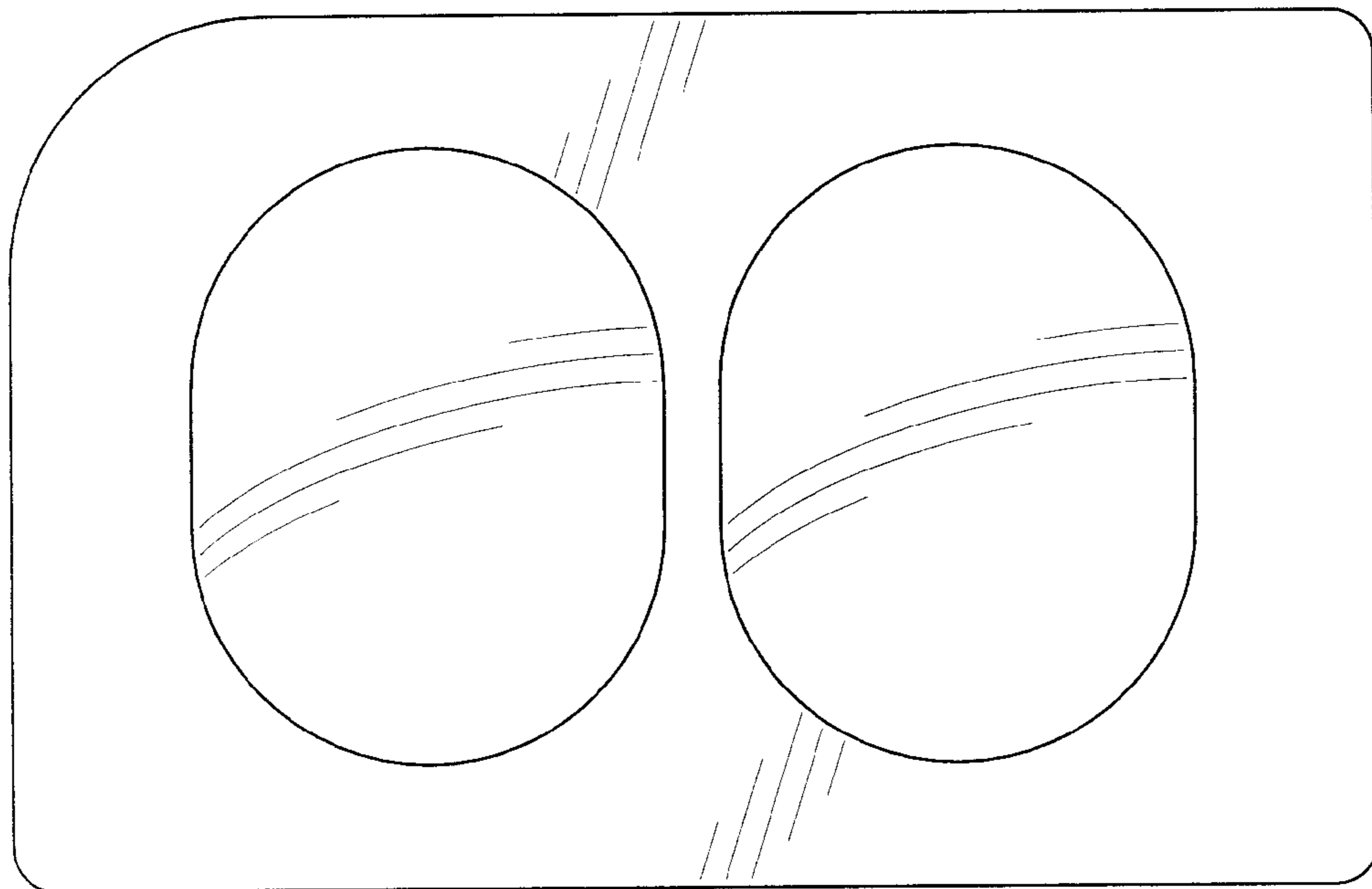


FIG. 5

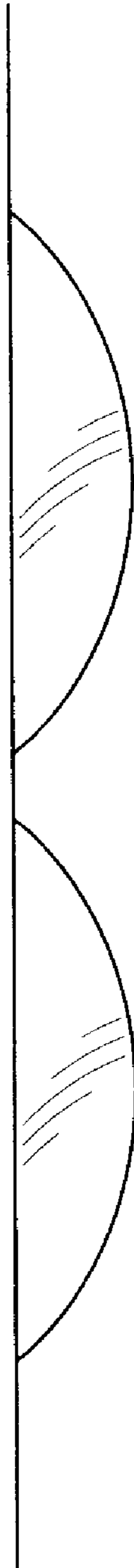


FIG. 6

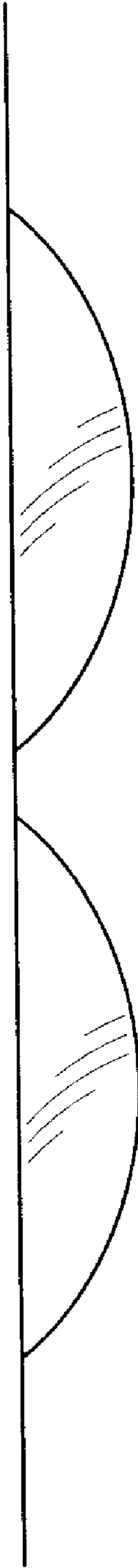


FIG. 7