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(12) **United States Design Patent** (10) **Patent No.:** **US D866,631 S**  
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(54) **HOUSING FOR OPTICAL COMPONENTS**

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(\*\*) Term: **15 Years**

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**Related U.S. Application Data**

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Jul. 7, 2014, now Pat. No. Des. 768,758, which is a  
continuation-in-part of application No. 14/225,294,  
filed on Mar. 25, 2014, now Pat. No. 9,176,297.

(51) **LOC (12) Cl.** ..... **16-06**

(52) **U.S. Cl.**  
USPC ..... **D16/136**

(58) **Field of Classification Search**  
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D16/309, 317, 330, 900; D24/138, 158,  
D24/160, 172  
CPC ... G02B 7/00; G02B 7/02; G02B 7/04; G02B  
25/00; G02B 25/002; G02B 25/004;  
G02B 25/007; G02B 25/008  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

872,120 A 11/1907 Gray  
3,522,983 A 8/1970 Daniels  
5,129,717 A 7/1992 Feinbloom

5,291,229 A 3/1994 Feinbloom  
5,428,474 A 6/1995 Murphy  
5,627,690 A 5/1997 Caplan et al.  
5,644,425 A 7/1997 Palmer  
5,867,313 A 2/1999 Schweitzer et al.  
(Continued)

**OTHER PUBLICATIONS**

<http://www.dentaltown.com/dentaltown/Article.aspx?i=369&aid=5036> (Posted Sep. 2014).  
<https://www.q-optics.com/prism-loupe> (2015).

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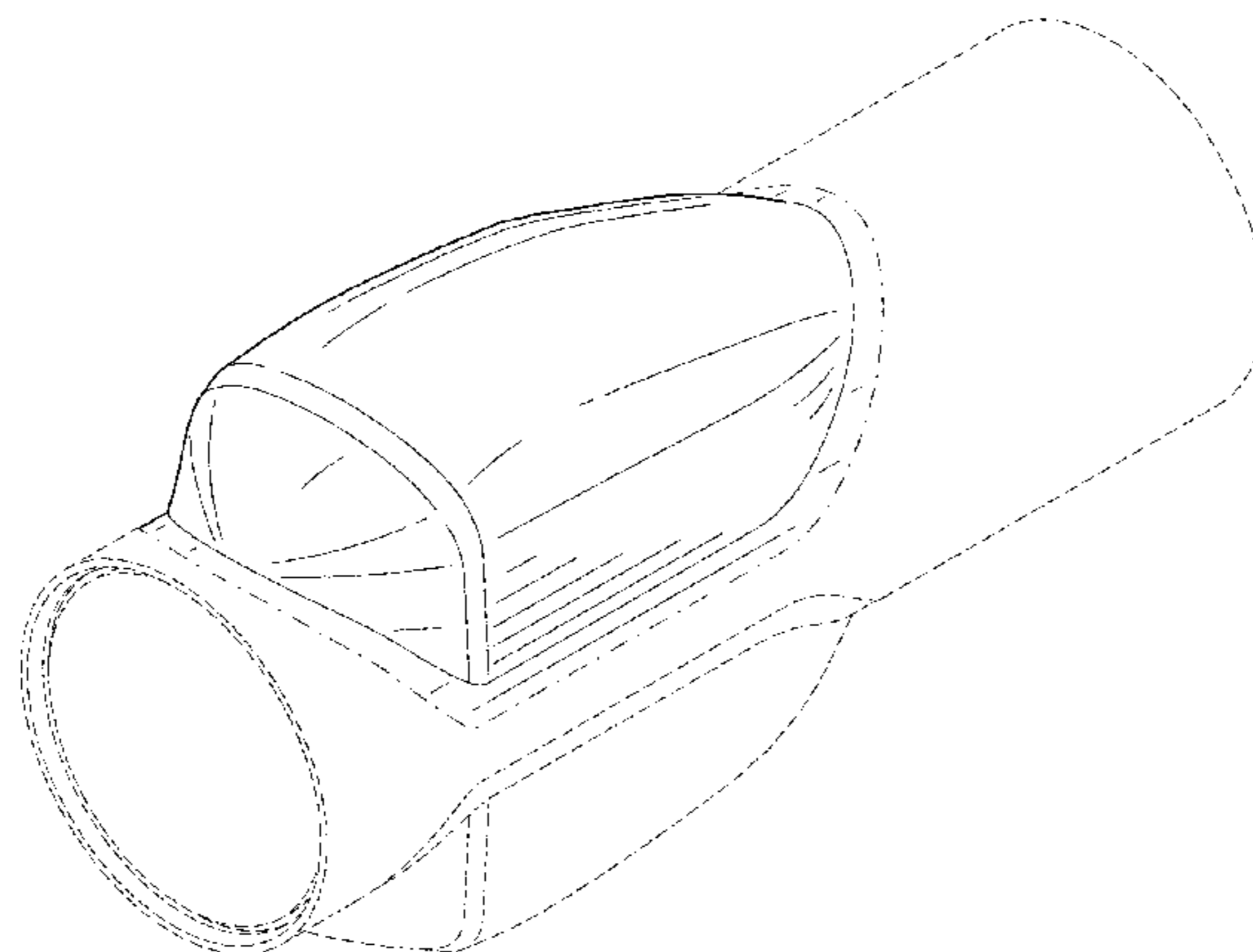
(57) **CLAIM**

The ornamental design for a housing for optical compo-  
nents, as shown and described.

**DESCRIPTION**

FIG. 1 shows a perspective view of a housing for optical  
components according to the present invention;  
FIG. 2 shows a front view of the housing for optical  
components illustrated in FIG. 1;  
FIG. 3 shows a back view of the housing for optical  
components illustrated in FIG. 1;  
FIG. 4 shows a right side view of the housing for optical  
components illustrated in FIG. 1;  
FIG. 5 shows a left side view of the housing for optical  
components illustrated in FIG. 1;  
FIG. 6 shows a top view of the housing for optical compo-  
nents illustrated in FIG. 1; and,  
FIG. 7 shows a bottom view of the housing for optical  
components illustrated in FIG. 1.  
The dashed lines in FIGS. 1-7 depict portions of the housing  
for optical components that form no part of the claimed  
design. The dot-dashed lines in FIGS. 1, 4, 5 and 6 depict a  
boundary that forms no part thereof.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

5,930,036 A	7/1999	Cluff		8,116,015 B2	2/2012	Hamilton	
5,943,174 A	8/1999	Bryant et al.		D663,337 S	7/2012	Chan et al.	
6,338,557 B1	1/2002	Grendelmeier et al.		9,052,455 B2	6/2015	Chang	
6,513,929 B2	2/2003	Chang		9,176,297 B2 *	11/2015	Wiley	..... G02B 7/021
D476,437 S *	6/2003	Dalton	..... D26/37	D746,354 S	12/2015	Chang	
D484,264 S	12/2003	Dalton et al.		9,335,567 B2 *	5/2016	Nakamura	..... G02C 13/005
6,667,833 B1	12/2003	Fay		D768,758 S *	10/2016	Wiley	..... D16/136
D492,334 S	6/2004	Hines et al.		9,465,235 B2 *	10/2016	Chang	..... G02B 25/00
6,799,847 B2	10/2004	Caplan		D795,989 S *	8/2017	Horton	..... D22/109
D519,537 S *	4/2006	Regan	..... D16/132	9,726,908 B2 *	8/2017	Yang	..... G02C 7/08
7,072,124 B2	7/2006	Wilt et al.		9,910,191 B2 *	3/2018	Janik	..... G02B 23/00
D564,011 S *	3/2008	Beate	..... D16/309	2001/0019459 A1	9/2001	Denpo	
7,375,881 B2	5/2008	Regan et al.		2002/0131015 A1	9/2002	Caplan	
D588,623 S	3/2009	Janik		2004/0212878 A1	10/2004	Regan	
D592,691 S	5/2009	Chang		2004/0263954 A1	12/2004	Wilt et al.	
D592,692 S	5/2009	Chang		2007/0068058 A1	3/2007	Remo	
D592,693 S	5/2009	Chang		2009/0231699 A1	9/2009	Nakamura	
D603,436 S *	11/2009	Hamilton	..... D16/132	2012/0250145 A1 *	10/2012	Feinbloom	..... G02B 25/004 359/361
7,673,989 B2	3/2010	Chang		2012/0320454 A1	12/2012	Chang	
D617,825 S *	6/2010	Chang	..... D16/309	2015/0277078 A1	10/2015	Wiley et al.	
				2015/0286076 A1	10/2015	Nakamura	

\* cited by examiner

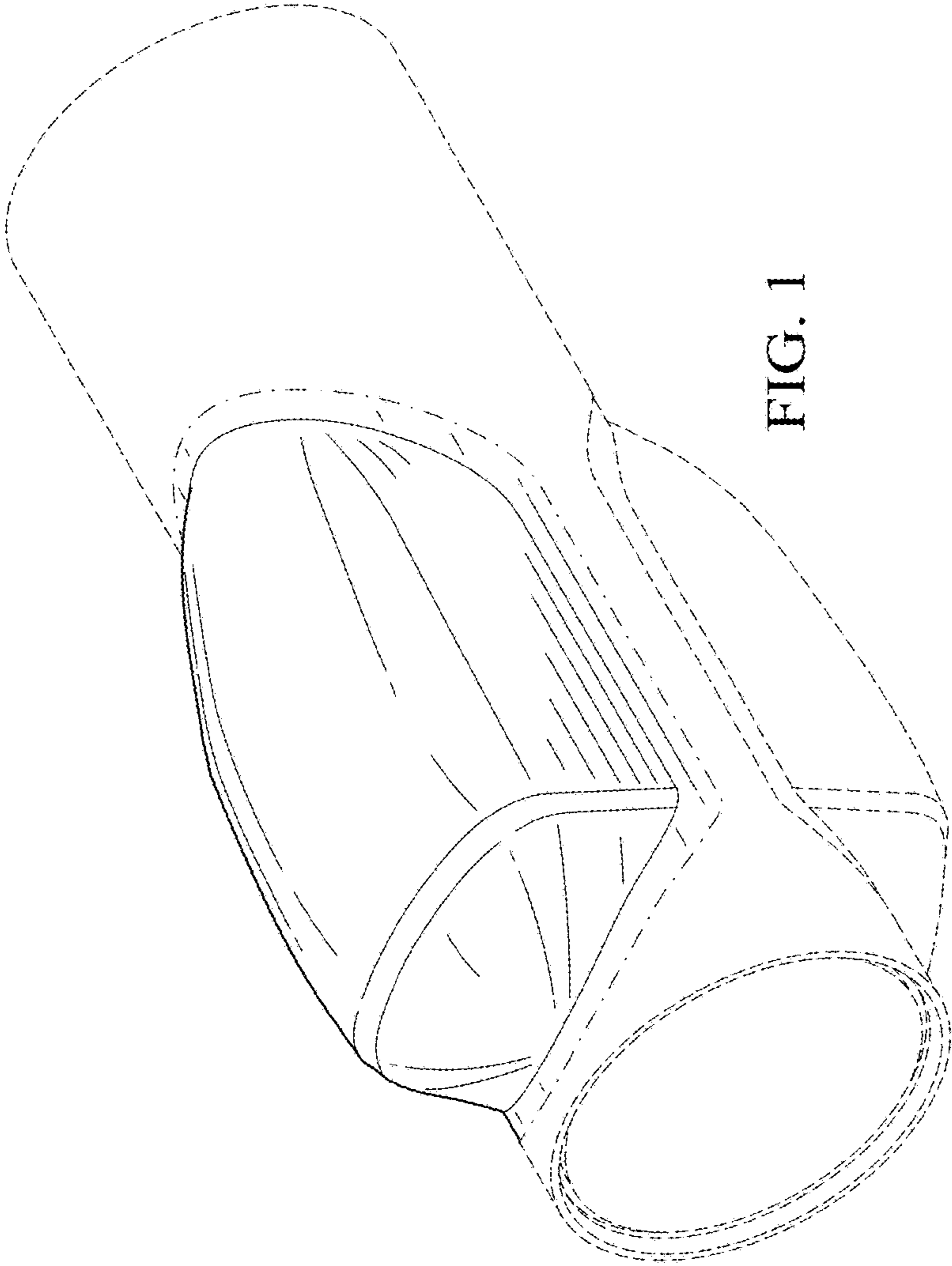


FIG. 1

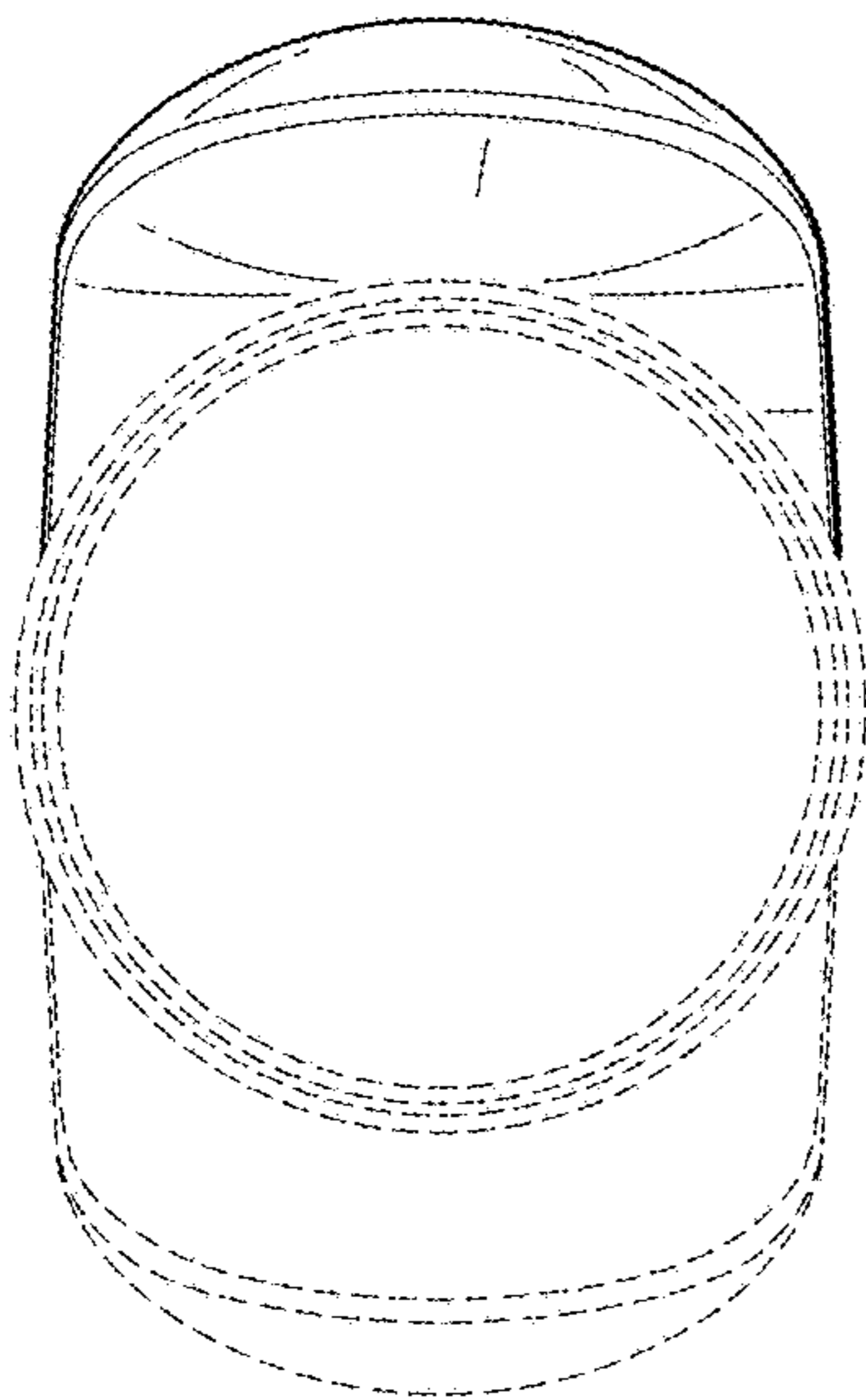


FIG. 2

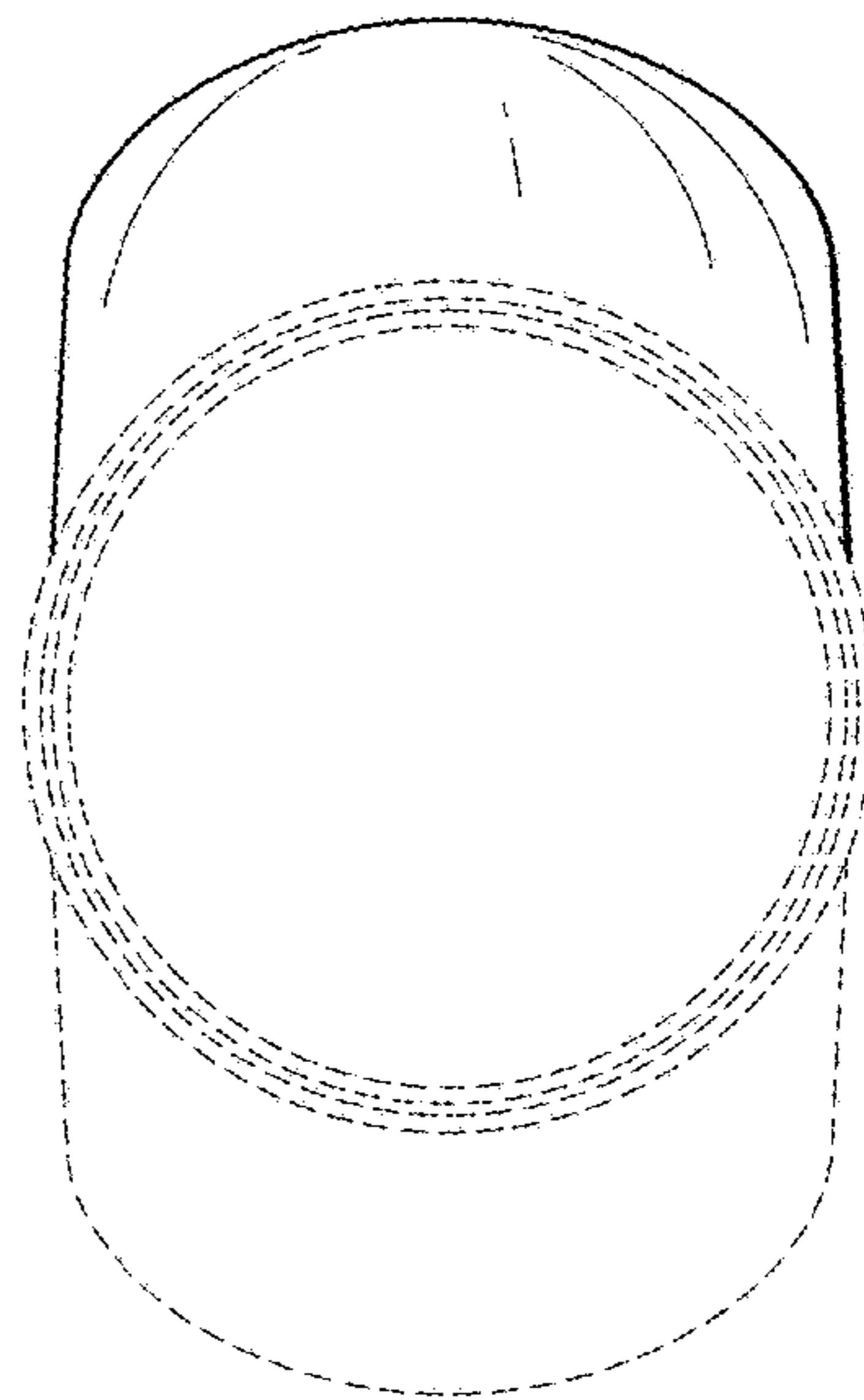


FIG. 3

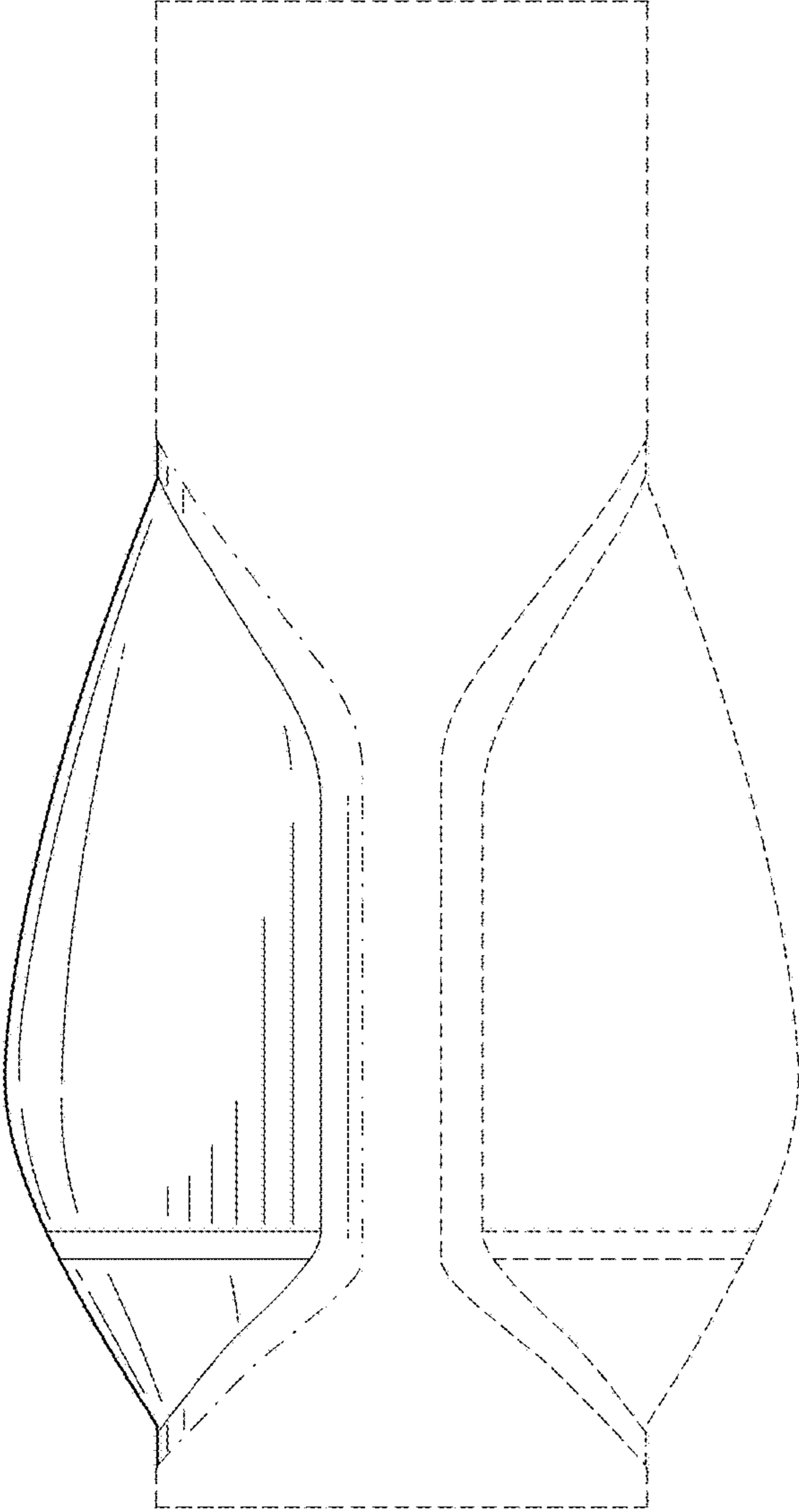


FIG. 4

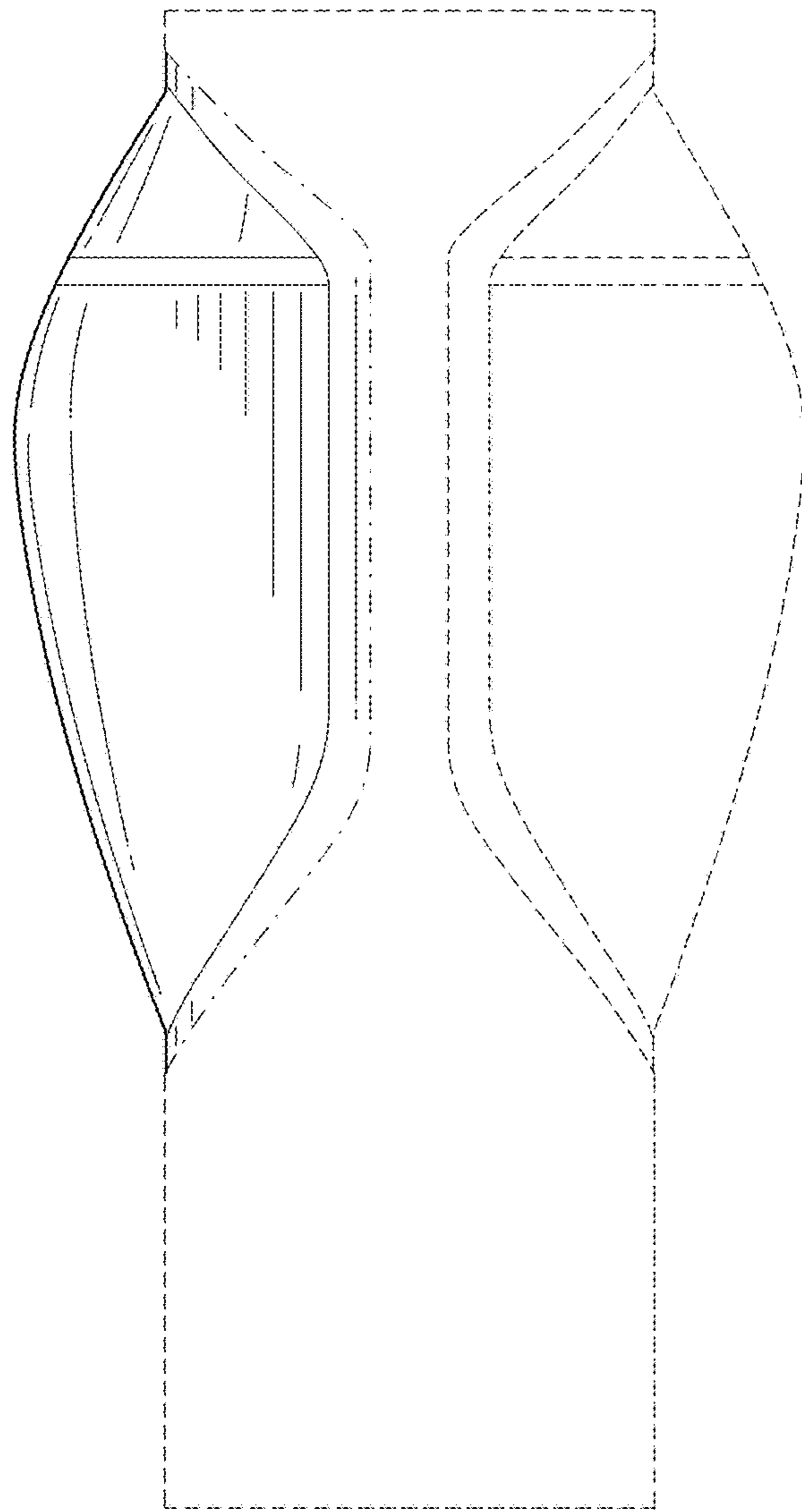


FIG. 5

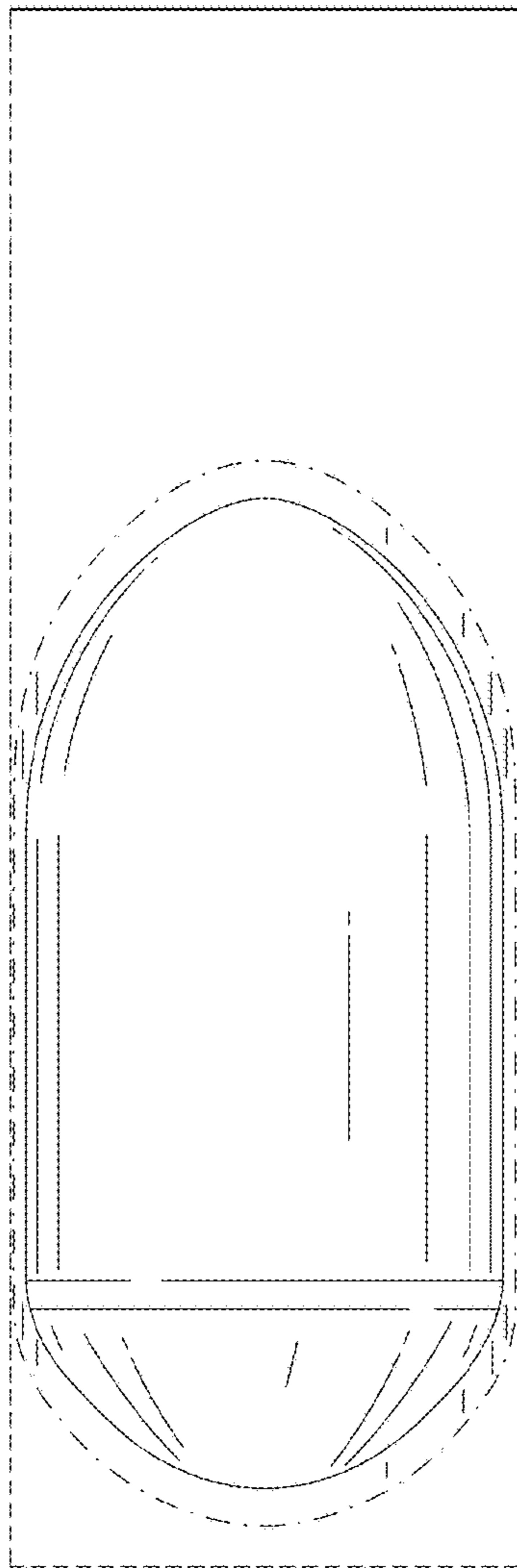


FIG. 6

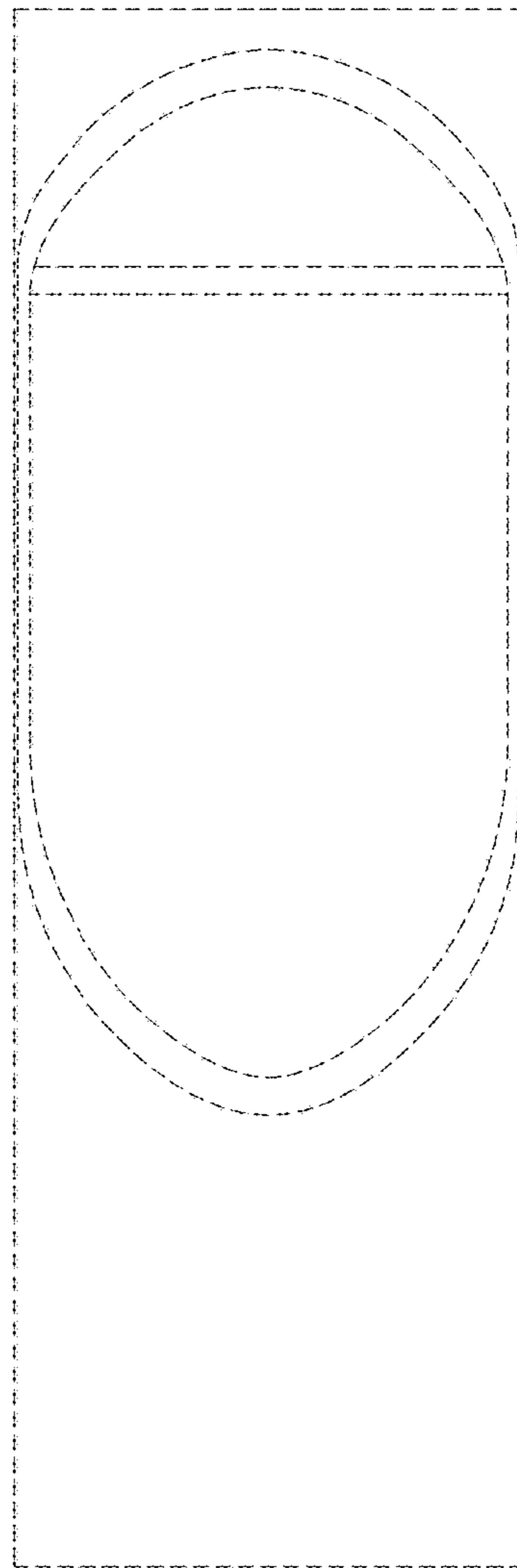


FIG. 7