



US00D768758S

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

(10) **Patent No.:** **US D768,758 S**
(45) **Date of Patent:** **** Oct. 11, 2016**

(54) **HOUSING FOR OPTICAL COMPONENTS**

(71) Applicant: **QUALITY ASPIRATORS, INC.**,
Duncanville, TX (US)

(72) Inventors: **Keith B. Wiley**, Red Oak, TX (US);
Corless Wiley, Duncanville, TX (US);
Tim M. Fennell, Midlothian, TX (US);
John B. Fisher, Grand Prairie, TX (US)

(73) Assignee: **QUALITY ASPIRATORS, INC.**,
Duncanville, TX (US)

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

(21) Appl. No.: **29/495,937**

(22) Filed: **Jul. 7, 2014**

Related U.S. Application Data

(63) Continuation-in-part of application No. 14/225,294,
filed on Mar. 25, 2014, now Pat. No. 9,176,297.

(51) **LOC (10) Cl.** **16-06**

(52) **U.S. Cl.**
USPC **D16/309**; D16/136

(58) **Field of Classification Search**
USPC D16/101, 130, 131, 132, 136, 302, 305,
D16/309, 317, 330, 900; D24/138, 158,
D24/160, 172; 351/57, 159.48, 159.63;
359/361, 409, 737, 811, 831
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; G02B 25/02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

872,120 A * 11/1907 Gray G02B 23/00
359/399
3,522,983 A * 8/1970 Daniels G02B 7/002
351/58
5,129,717 A * 7/1992 Feinbloom G02B 7/002
351/158

5,291,229 A * 3/1994 Feinbloom G02B 7/002
351/158
5,428,474 A * 6/1995 Murphy A61F 9/022
351/159.48
5,627,690 A * 5/1997 Caplan G02B 7/002
359/362
5,644,425 A 7/1997 Palmer
5,867,313 A 2/1999 Schweitzer et al.

(Continued)

OTHER PUBLICATIONS

<https://www.q-optics.com/prism-loupe> Retrieved Jan. 19, 2016.*
(Continued)

Primary Examiner — Susan Bennett Hattan

Assistant Examiner — Leanne Was

(74) *Attorney, Agent, or Firm* — Jackson Walker LLP;
Christopher J. Rourk

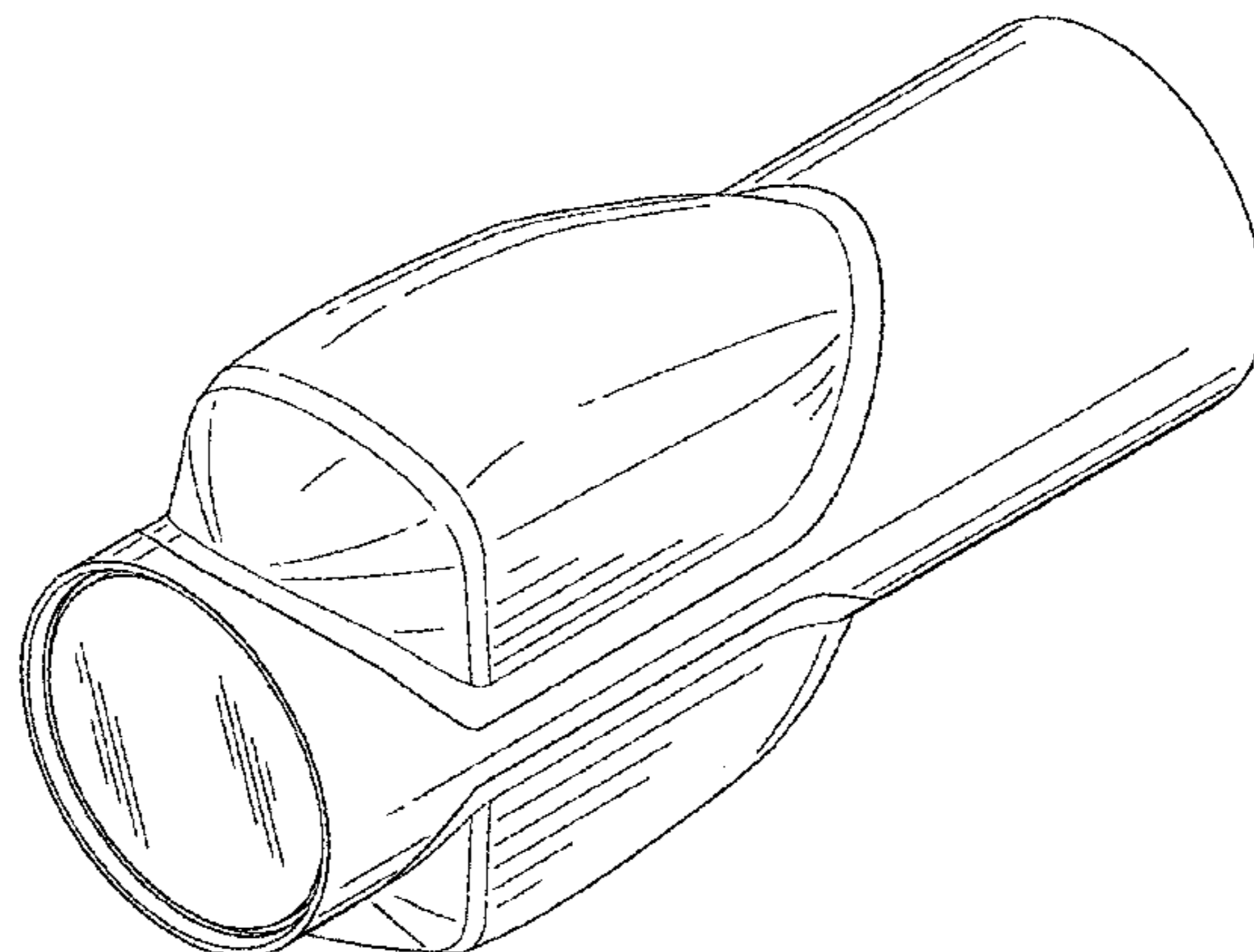
(57) **CLAIM**

The ornamental design for a housing for optical components, as shown and described.

DESCRIPTION

FIG. 1 shows a perspective view of a housing for optical components;
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 components illustrated in FIG. 1; and,
FIG. 7 shows a bottom view of the housing for optical components illustrated in FIG. 1.
The broken lines depict a portion of the housing for optical components that forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,930,036 A 7/1999 Cluff
 5,943,174 A 8/1999 Bryant et al.
 6,338,557 B1* 1/2002 Grendelmeier G02C 7/088
 351/158
 6,513,929 B2* 2/2003 Chang A61F 9/029
 351/158
 D484,264 S * 12/2003 Dalton D26/37
 6,667,833 B1* 12/2003 Fay G02C 7/088
 351/158
 D492,334 S * 6/2004 Hines D16/132
 6,799,847 B2* 10/2004 Caplan G02C 7/088
 351/128
 7,072,124 B2* 7/2006 Wilt G02B 7/002
 351/158
 7,375,881 B2* 5/2008 Regan G02B 7/04
 359/399
 D588,623 S * 3/2009 Janik D16/309
 D592,691 S * 5/2009 Chang D16/309
 D592,692 S * 5/2009 Chang D16/309
 D592,693 S * 5/2009 Chang D16/309
 7,673,989 B2* 3/2010 Chang G02B 7/002
 351/57
 8,116,015 B2 2/2012 Hamilton

9,052,455 B2* 6/2015 Chang
 D746,354 S * 12/2015 Chang D16/309
 2001/0019459 A1* 9/2001 Denpo G02B 7/14
 359/808
 2002/0131015 A1* 9/2002 Caplan G02C 7/088
 351/124
 2004/0212878 A1* 10/2004 Regan G02B 7/04
 359/402
 2004/0263954 A1* 12/2004 Wilt G02B 7/002
 359/362
 2007/0068058 A1 3/2007 Remo
 2009/0231699 A1* 9/2009 Nakamura G02B 7/002
 359/481
 2012/0320454 A1* 12/2012 Chang G02B 5/208
 359/385
 2015/0277078 A1* 10/2015 Wiley G02B 7/025
 359/737
 2015/0286076 A1* 10/2015 Nakamura G02C 13/005
 351/204

OTHER PUBLICATIONS

<http://www.dentaltown.com/dentaltown/Article.aspx?i=369&aid=5036> Posted Sep. 2014.*

* cited by examiner

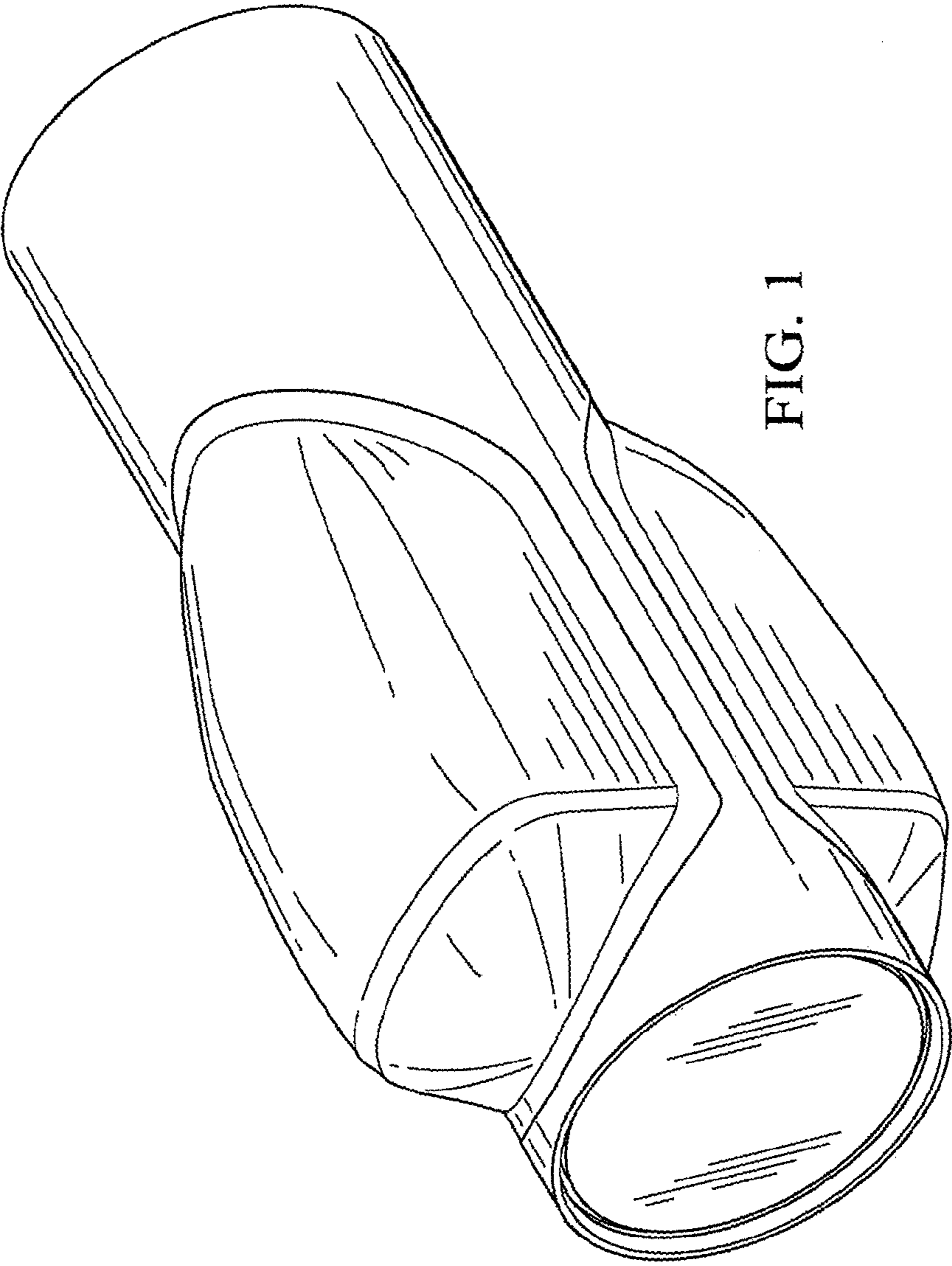


FIG. 1

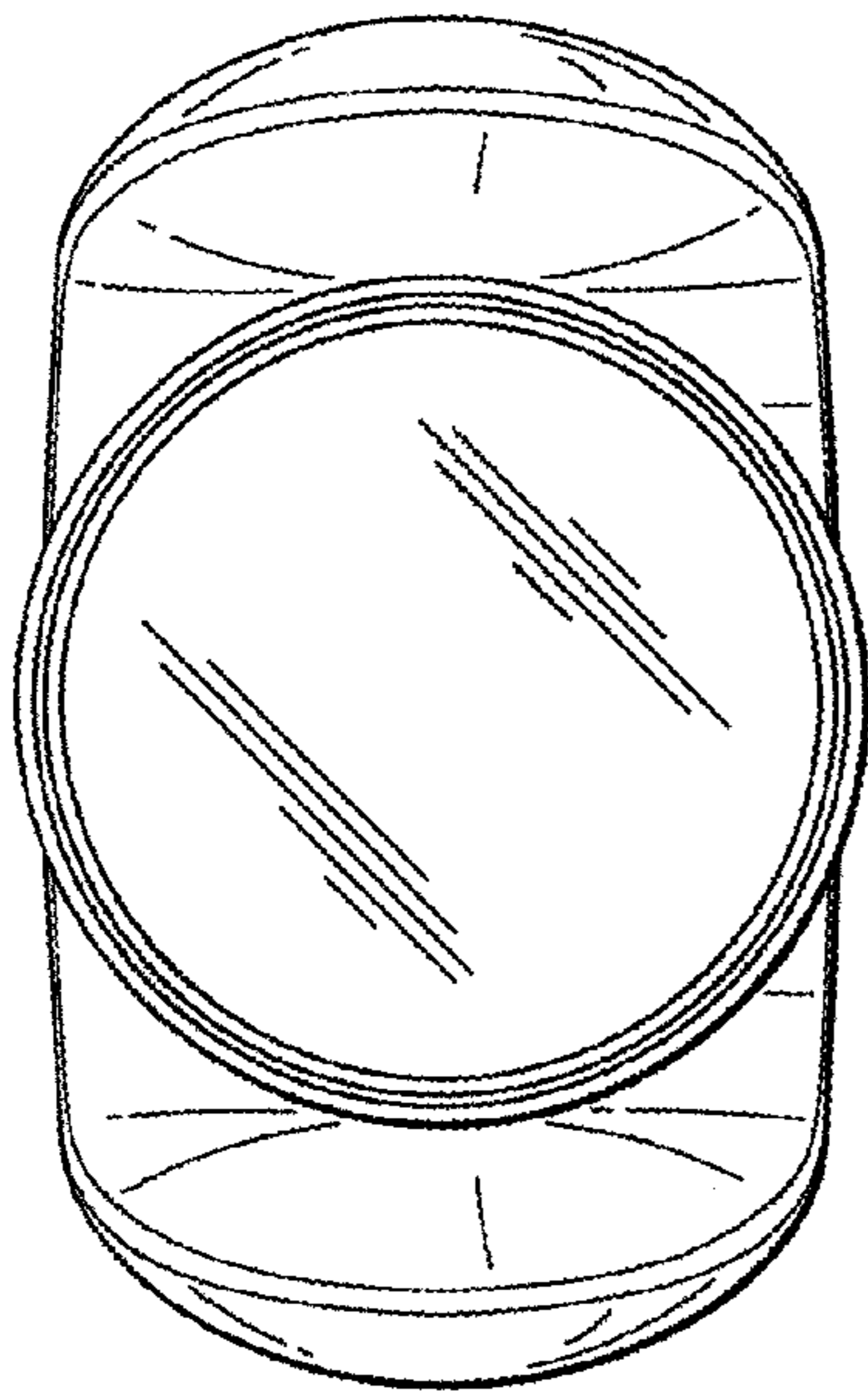


FIG. 2

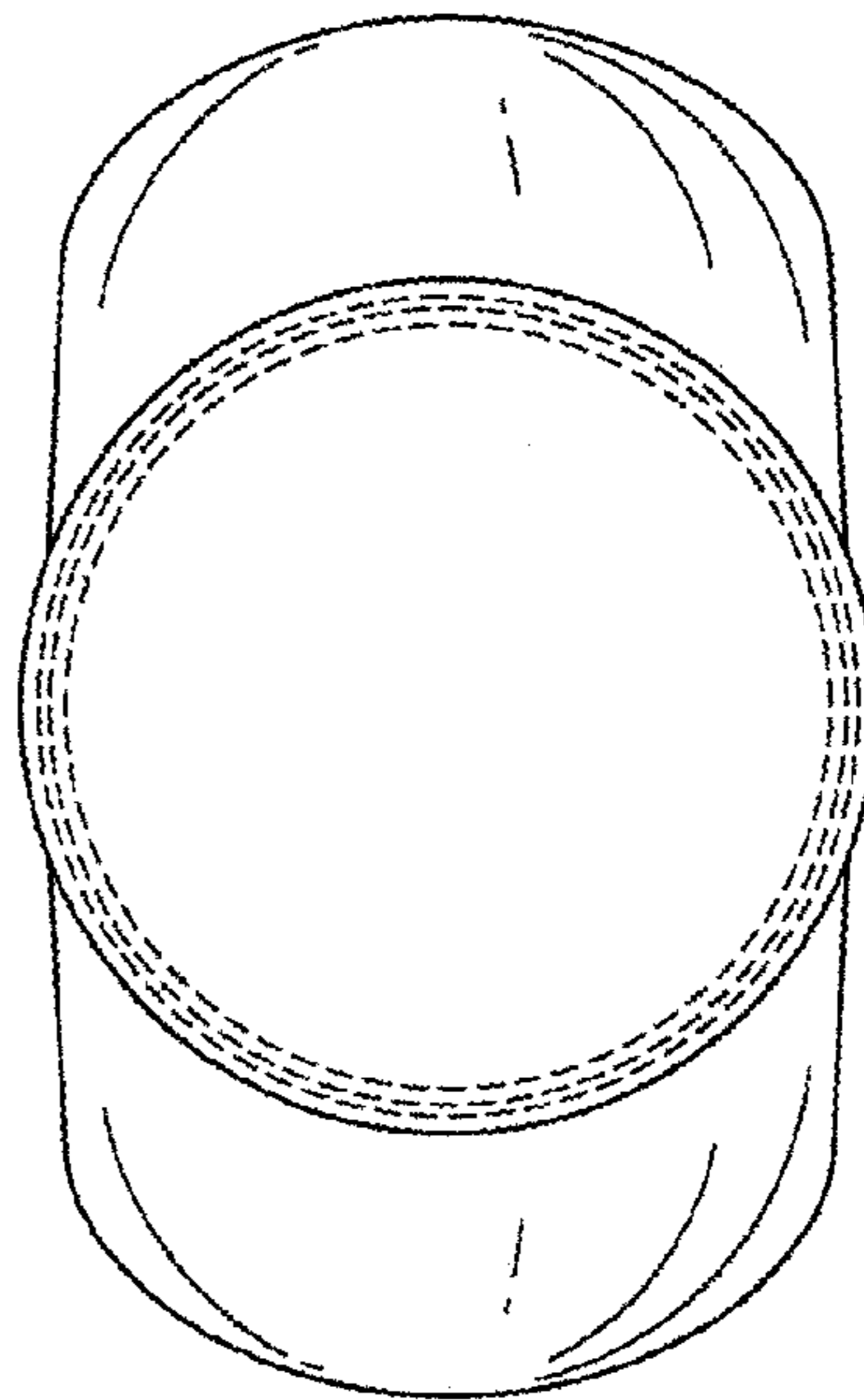


FIG. 3

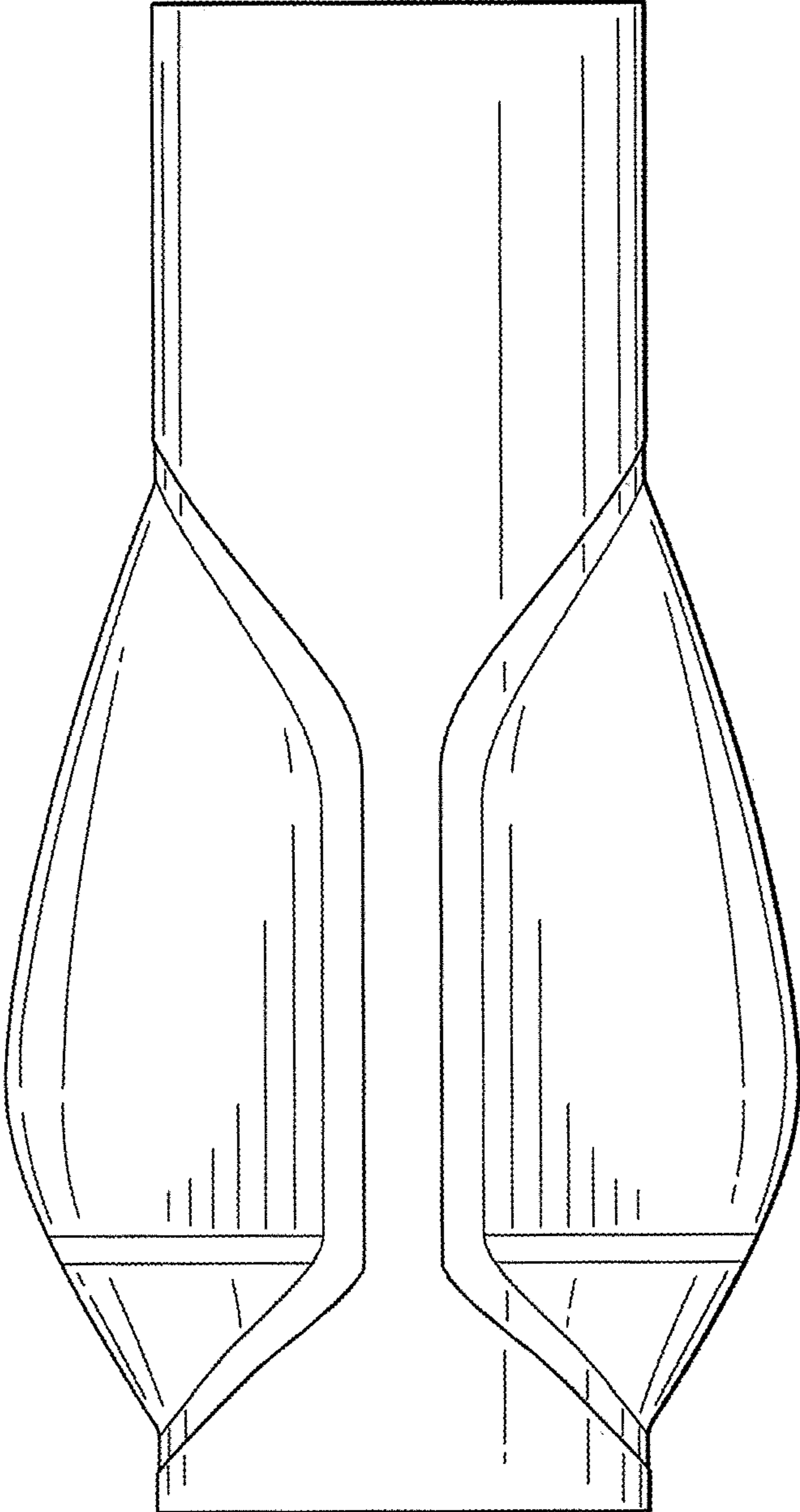


FIG. 4

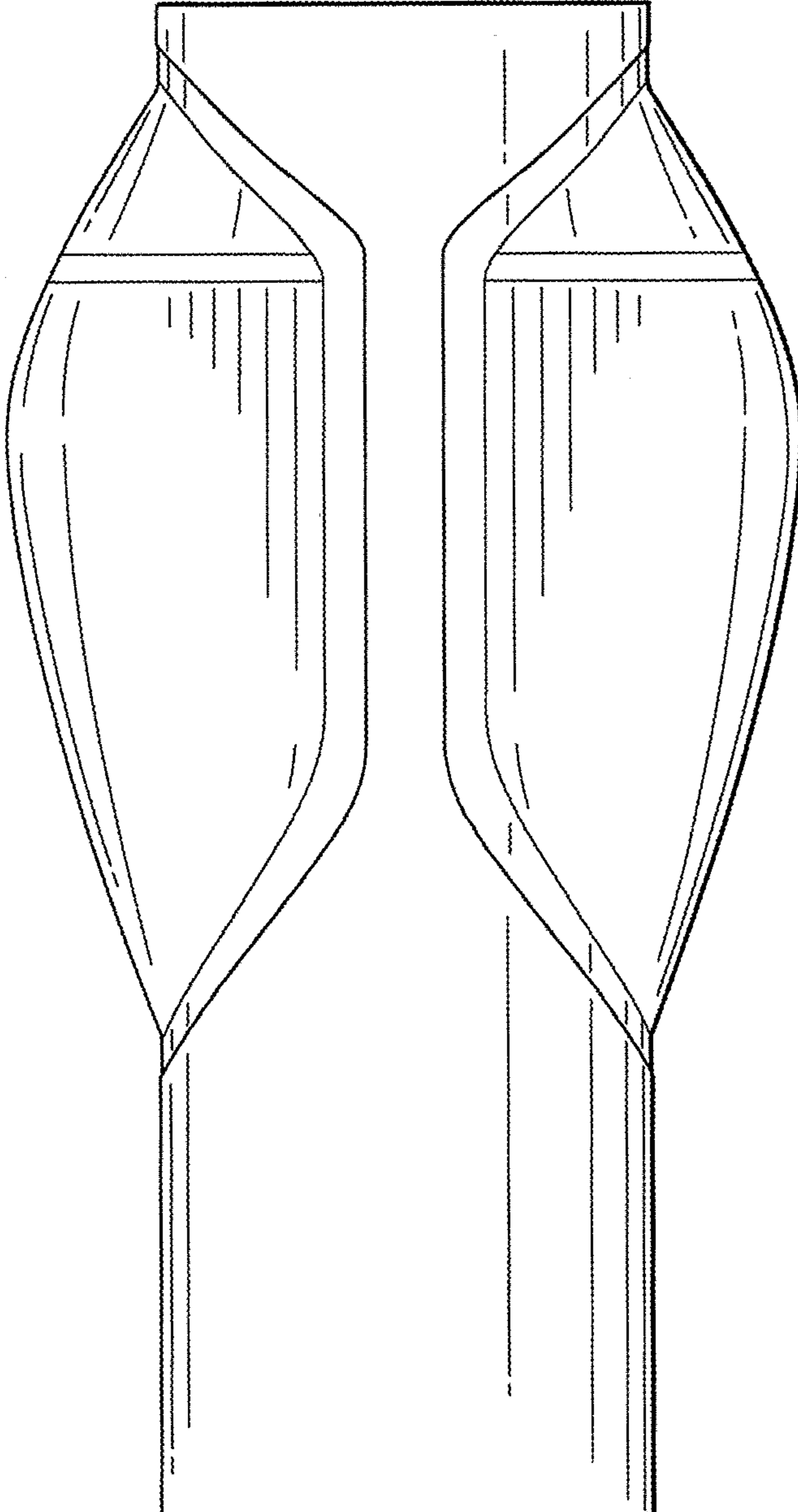


FIG. 5

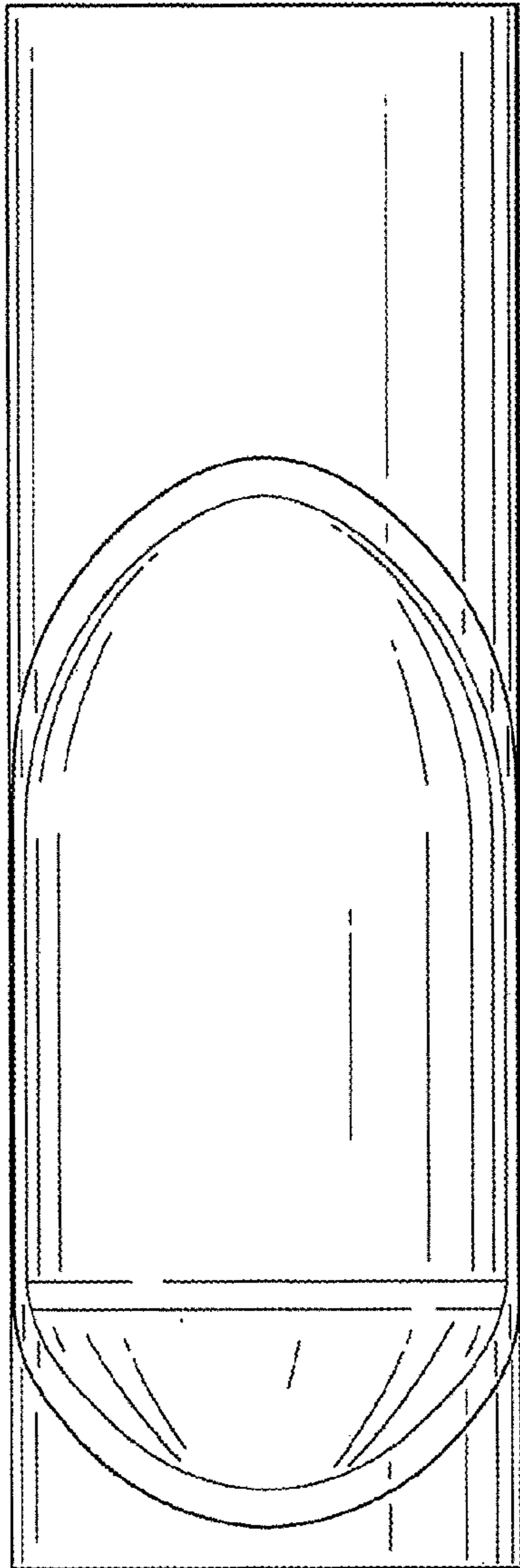


FIG. 6

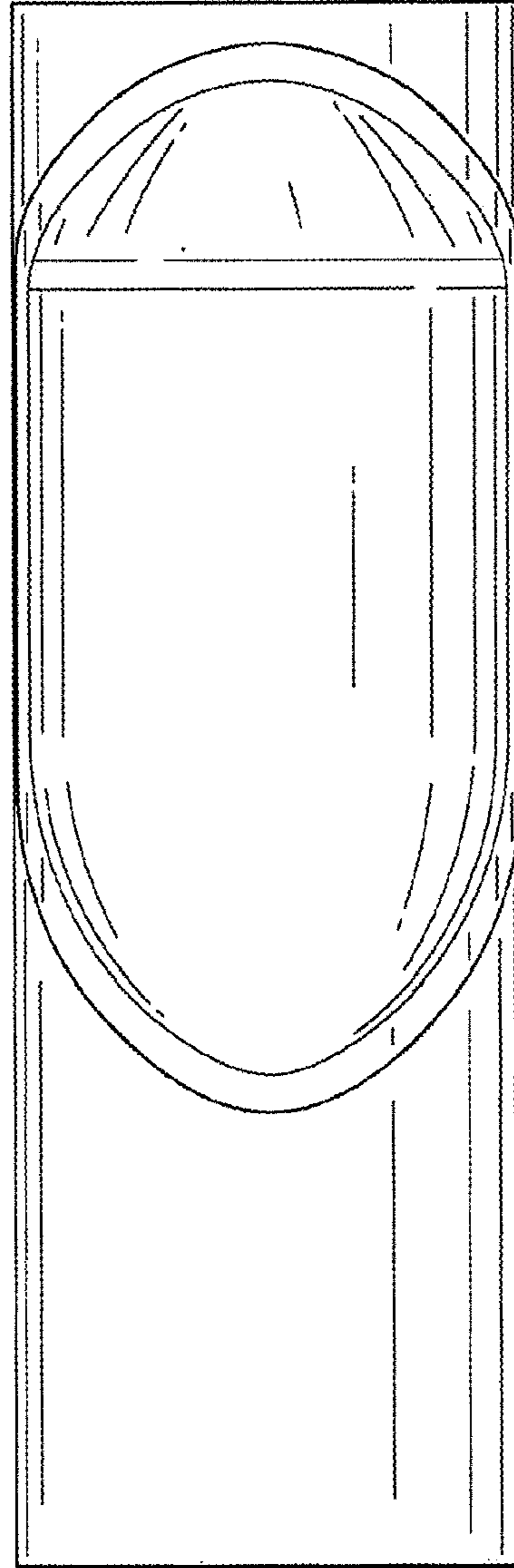


FIG. 7