



US00D558061S

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

(10) **Patent No.:** **US D558,061 S**

(45) **Date of Patent:** **\*\* Dec. 25, 2007**

(54) **TUBE AND VALVE ASSEMBLY**

(75) Inventors: **Daniel Py**, Stamford, CT (US); **Julian V. Chan**, Spring Valley, NY (US)

(73) Assignee: **Medical Instill Technologies, Inc.**,  
New Milford, CT (US)

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

(21) Appl. No.: **29/273,719**

(22) Filed: **Mar. 12, 2007**

**Related U.S. Application Data**

(62) Division of application No. 29/191,510, filed on Oct. 7, 2003, now Pat. No. Des. 538,158.

(51) **LOC (8) Cl.** ..... **09-03**

(52) **U.S. Cl.** ..... **D9/695**

(58) **Field of Classification Search** ..... D9/711,  
D9/521, 695-699, 7, 544, 435, 440, 442,  
D9/454, 723-724; 222/92, 107, 527-529,  
222/215; 206/438, 822; D28/7, 76, 82;  
220/DIG. 7; D24/111, 112

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,128,035 A	8/1938	Boetel	221/60
3,412,910 A	11/1968	Hahn	222/494
3,648,903 A	3/1972	Marchant	222/212
3,669,323 A	6/1972	Harker et al.	222/490
3,963,814 A	6/1976	Cospen et al.	264/23
4,002,516 A	1/1977	Gaborieau et al.	156/69
4,102,476 A	7/1978	Loeffler	222/209
4,141,474 A	2/1979	Nilson	222/493
4,513,891 A	4/1985	Hain et al.	222/213
4,699,300 A	10/1987	Blake	222/494
4,737,148 A	4/1988	Blake	604/126
4,739,906 A	4/1988	LoTurco	222/153

4,842,165 A	6/1989	Van Coney	222/95
4,895,279 A	1/1990	Schultz	222/321
4,923,480 A	5/1990	Monestere	8/507
4,949,877 A	8/1990	Hanna et al.	222/341
4,978,036 A	12/1990	Burd	222/207

(Continued)

**FOREIGN PATENT DOCUMENTS**

EP 0649795 B1 6/1999 ..... 47/20

(Continued)

*Primary Examiner*—Joel A. Sincavage

*Assistant Examiner*—Abraham Bahta

(74) *Attorney, Agent, or Firm*—McCarter & English, LLP

(57) **CLAIM**

The ornamental design for a tube and valve assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the tube and valve assembly showing our new invention;

FIG. 2 is a front elevational view of the tube and valve assembly of FIG. 1. The rear view is identical to the view of FIG. 2;

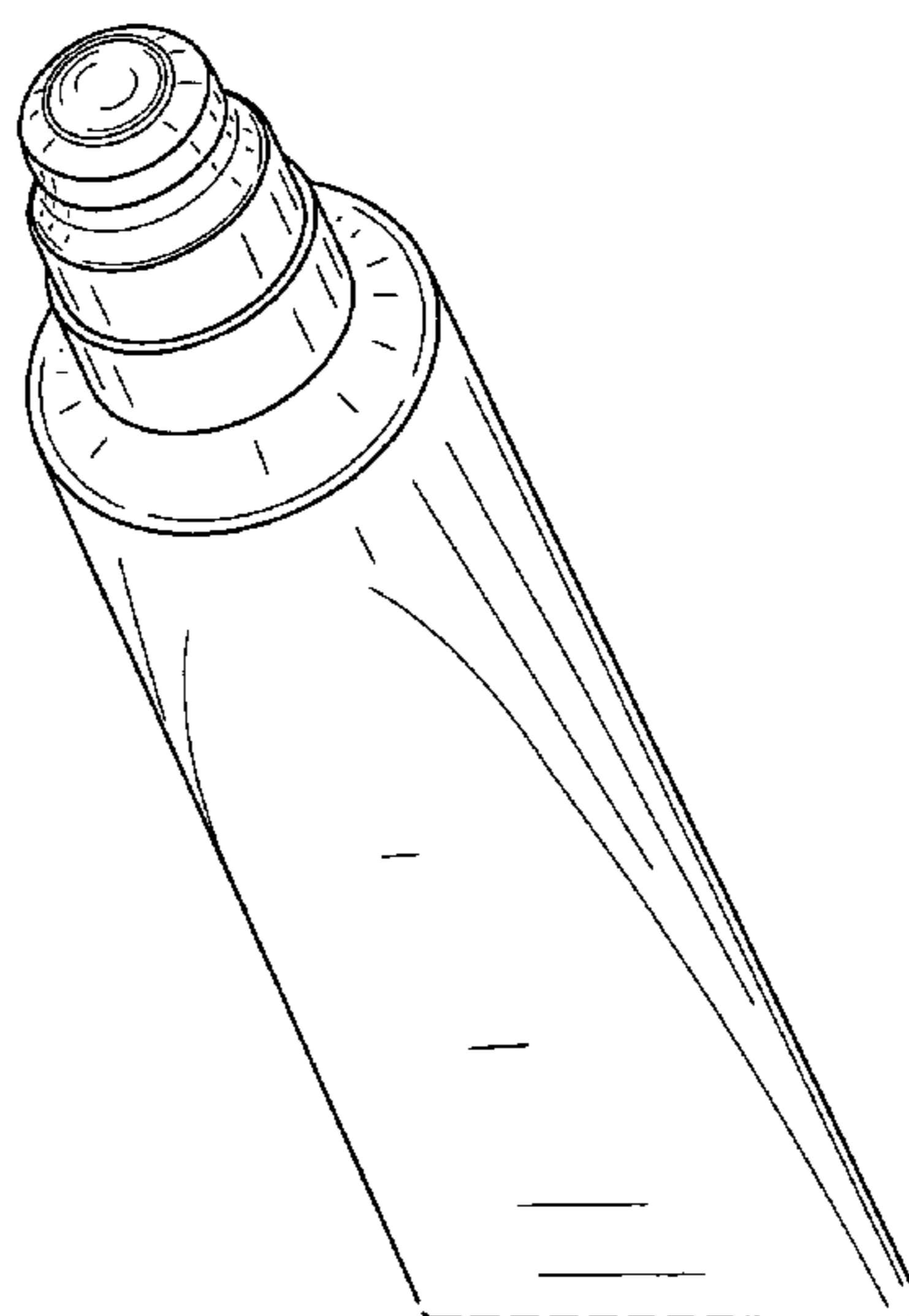
FIG. 3 is a side elevational view of the tube and valve assembly of FIG. 1. The opposite side view is identical to the view of FIG. 3;

FIG. 4 is a top plan view of the tube and valve assembly of FIG. 1, out of scale with the other provided views of the assembly; and,

FIG. 5 is a bottom plan view of the tube and valve assembly of FIG. 1.

The broken lines in the figures show boundaries of the invention and form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



U.S. PATENT DOCUMENTS

5,033,647 A 7/1991 Smith et al. .... 222/94  
 5,083,416 A 1/1992 Schneider et al. .... 53/489  
 5,108,007 A 4/1992 Smith et al. .... 222/95  
 5,178,300 A 1/1993 Haviv et al. .... 222/95  
 5,197,638 A 3/1993 Wood ..... 222/212  
 5,226,568 A 7/1993 Newton et al. .... 222/212  
 5,318,204 A 6/1994 Davis et al. .... 222/95  
 5,320,256 A 6/1994 Wood ..... 222/212  
 5,320,845 A 6/1994 Py ..... 424/427  
 5,332,121 A 7/1994 Schmidt et al. .... 222/95  
 5,339,972 A 8/1994 Crosnier et al. .... 215/320  
 D358,760 S \* 5/1995 Sherman et al. .... D9/697  
 5,416,303 A 5/1995 Grooms et al. .... 219/633  
 5,489,026 A 2/1996 D'Aloia ..... 206/570  
 5,489,027 A 2/1996 Goerigk ..... 206/570  
 5,497,910 A 3/1996 Meadows et al. .... 222/95  
 5,556,678 A 9/1996 Jupin et al. .... 428/36.6  
 5,564,596 A 10/1996 Meadows et al. .... 222/94  
 D376,100 S \* 12/1996 Beaver ..... D9/697  
 5,582,330 A 12/1996 Iba ..... 222/212  
 5,609,273 A 3/1997 Firestone et al. .... 222/215  
 5,664,704 A 9/1997 Meadows et al. .... 222/209  
 5,692,651 A 12/1997 Fuchs ..... 222/494  
 5,718,334 A 2/1998 Demel ..... 206/438  
 5,727,892 A 3/1998 Baudin ..... 401/263  
 5,730,322 A 3/1998 Iba et al. .... 222/42  
 5,743,441 A 4/1998 Baudin et al. .... 222/212  
 5,759,218 A 6/1998 Martin et al. .... 55/385.1  
 5,799,837 A 9/1998 Firestone et al. .... 222/215  
 5,823,397 A 10/1998 Gil ..... 222/181.3  
 5,855,302 A 1/1999 Fisscher ..... 222/207  
 5,899,624 A 5/1999 Thompson ..... 401/206  
 5,921,989 A 7/1999 Deacon et al. .... 606/107  
 5,934,500 A 8/1999 Cogger et al. .... 220/495.06

D414,688 S \* 10/1999 Loeb et al. .... D9/697  
 6,050,444 A 4/2000 Sugg ..... 220/707  
 6,053,370 A 4/2000 Ludbrook et al. .... 222/207  
 6,062,437 A 5/2000 Mascitelli ..... 222/212  
 6,083,450 A 7/2000 Safian ..... 264/515  
 6,145,707 A 11/2000 Baudin ..... 222/189.09  
 6,170,705 B1 1/2001 Schneider et al. .... 222/92  
 6,202,901 B1 3/2001 Gerber et al. .... 222/494  
 6,254,579 B1 7/2001 Cogger et al. .... 604/298  
 6,267,768 B1 7/2001 Deacon et al. .... 606/107  
 6,283,976 B1 9/2001 Portney ..... 606/107  
 6,301,767 B1 10/2001 Granger et al. .... 29/469.5  
 6,306,423 B1 10/2001 Donovan et al. .... 424/423  
 6,312,708 B1 11/2001 Donovan ..... 424/423  
 6,325,253 B1 12/2001 Robinson ..... 222/212  
 D454,780 S \* 3/2002 Leboeuf et al. .... D9/697  
 6,351,924 B1 3/2002 Gustafsson et al. .... 53/425  
 6,383,509 B1 5/2002 Donovan et al. .... 424/423  
 6,386,395 B1 5/2002 Lunghetti ..... 222/213  
 6,428,545 B2 8/2002 Portney ..... 606/107  
 D462,260 S \* 9/2002 Joubert ..... D9/697  
 6,446,844 B1 9/2002 Gross ..... 222/494  
 6,450,994 B1 9/2002 Boyles et al. .... 604/294  
 D503,611 S \* 4/2005 Py et al. .... D9/697  
 D511,464 S \* 11/2005 Py et al. .... D9/695  
 D517,425 S \* 3/2006 Py et al. .... D9/697  
 D532,700 S \* 11/2006 Py et al. .... D9/697  
 D532,701 S \* 11/2006 Spencer ..... D9/699  
 D535,191 S \* 1/2007 Corker ..... D9/695  
 D538,158 S \* 3/2007 Py et al. .... D9/442

FOREIGN PATENT DOCUMENTS

EP 0673852 B1 2/2000 ..... 47/20

\* cited by examiner

FIG. 1

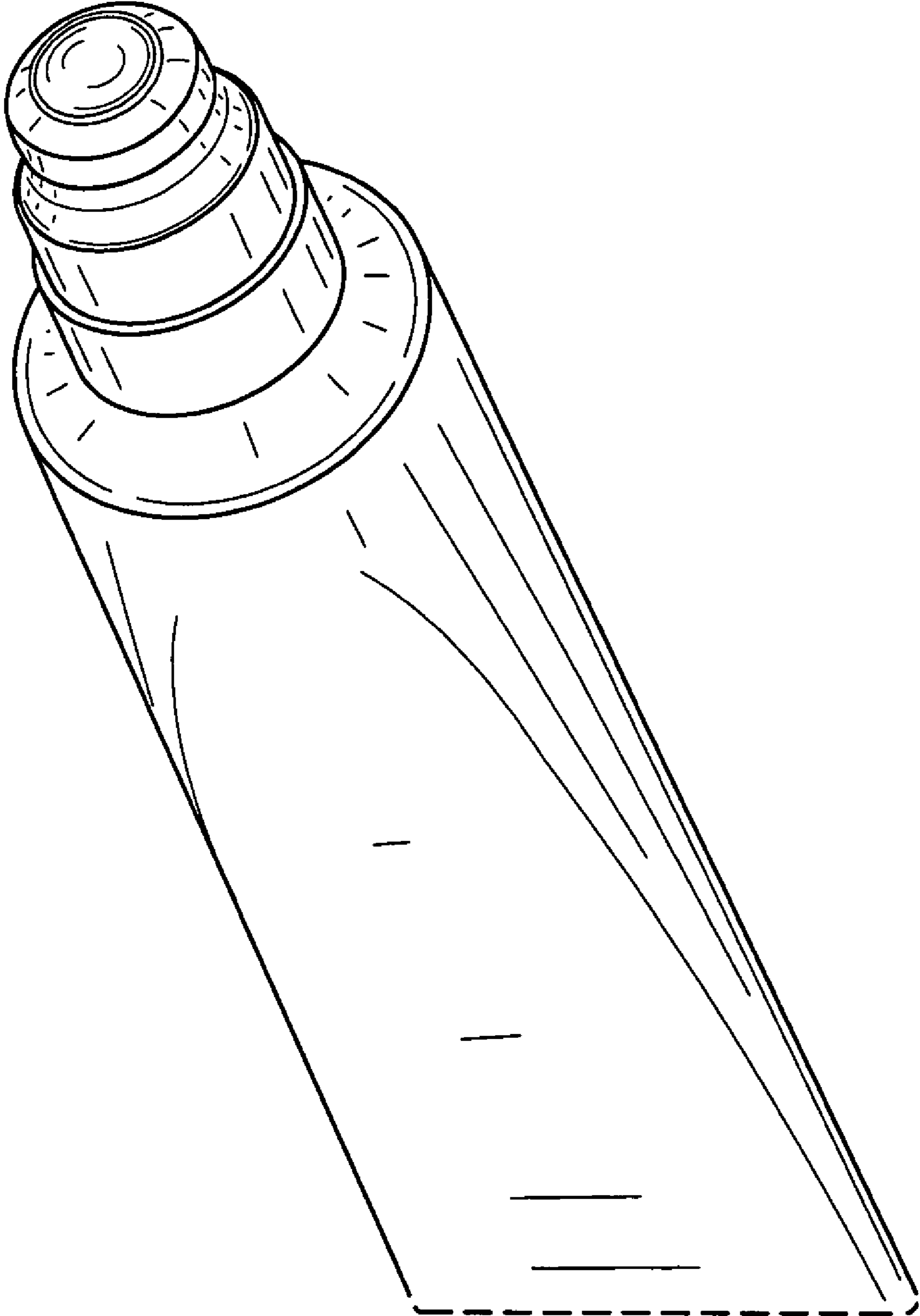


FIG. 2

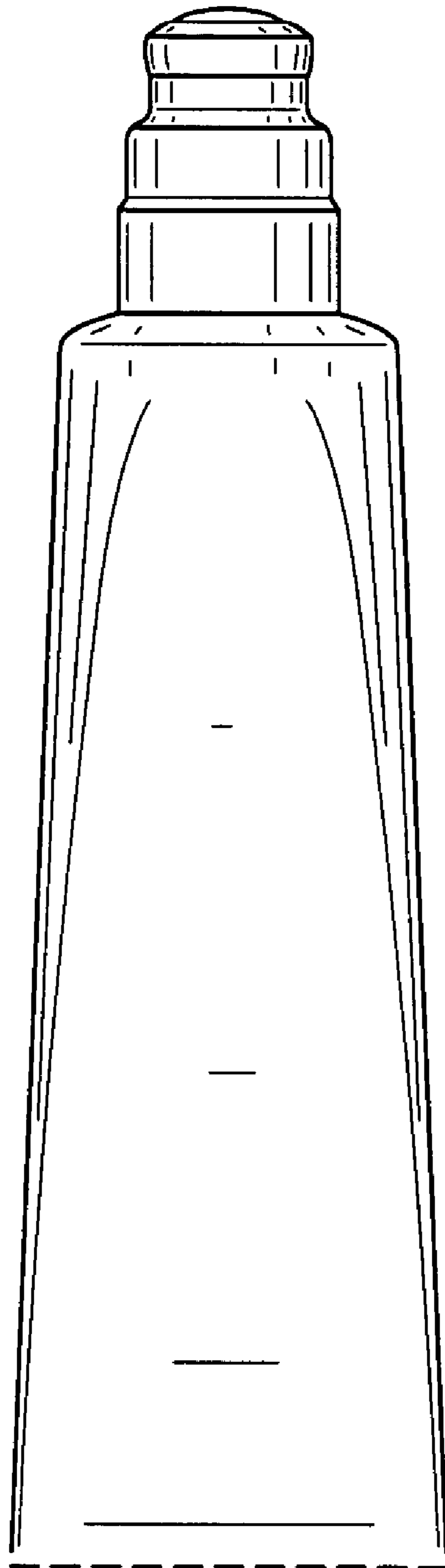


FIG. 3

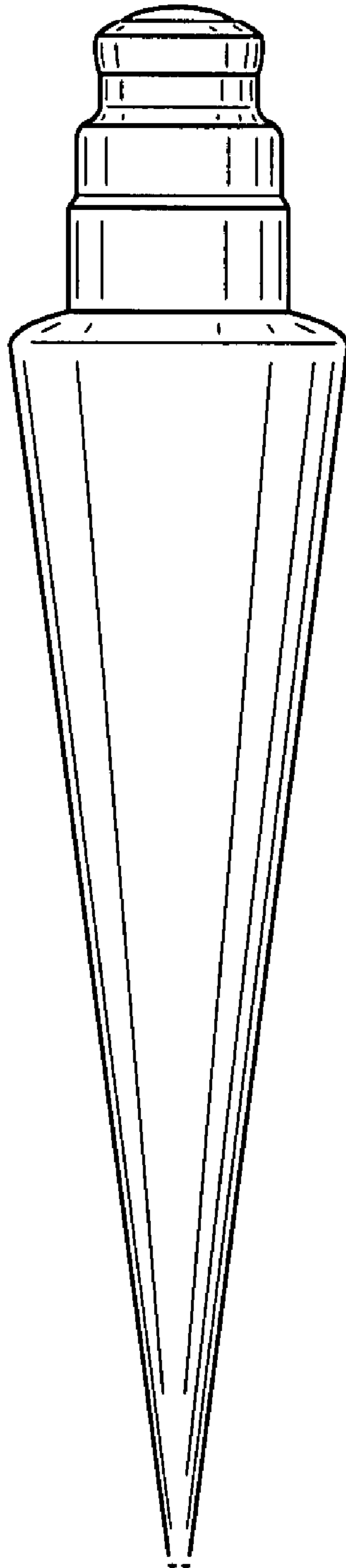


FIG. 4

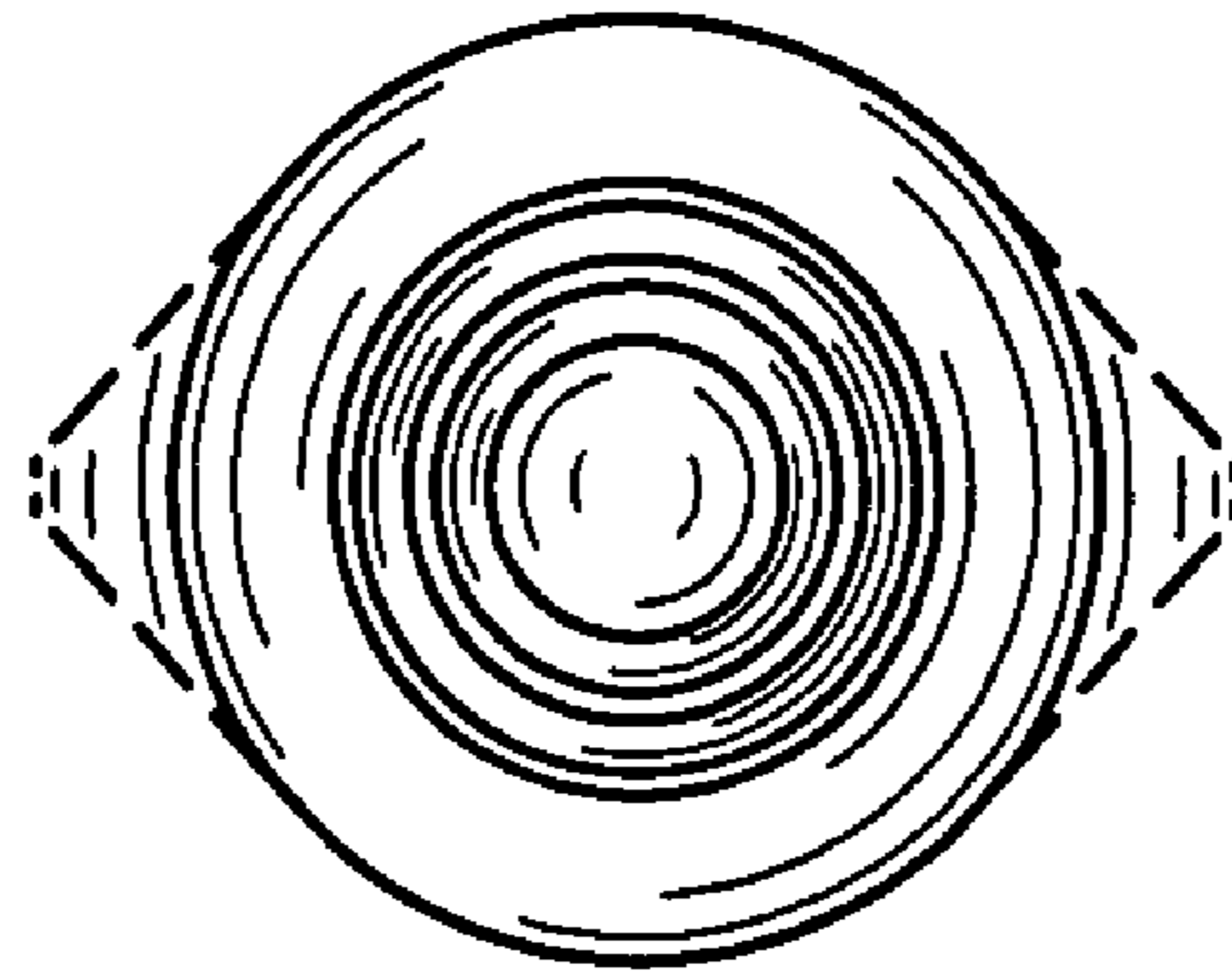


FIG. 5

