



US00D594117S

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

(10) **Patent No.:** **US D594,117 S**
(45) **Date of Patent:** **** Jun. 9, 2009**

(54) **FLOW-THROUGH MEDICAL FLUID RESERVOIR**

(75) Inventors: **Charles R. Patzer**, Columbus, OH (US);
John C. Toomey, Carlsbad, CA (US)

(73) Assignee: **Smiths Medical ASD, Inc.**, Rockland, MA (US)

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

(21) Appl. No.: **29/280,832**

(22) Filed: **Jun. 8, 2007**

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

(52) **U.S. Cl.** **D24/129**

(58) **Field of Classification Search** D24/112,
D24/129, 224; 604/4.01, 6.09, 125, 127,
604/158, 164.01, 131, 133, 181, 184, 186-188,
604/190, 195, 197, 218, 256, 403-408, 533,
604/539; 600/573

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

544,014 A	8/1895	Terramorse	
554,614 A	2/1896	Beyer	
2,876,775 A *	3/1959	Barr, Sr. et al.	600/577
3,050,059 A	8/1962	Wall et al.	
3,253,592 A	5/1966	von Pechmann	
3,965,897 A	6/1976	Lundquist	
4,373,535 A	2/1983	Martell	
4,457,755 A	7/1984	Wilson	
4,615,341 A	10/1986	Marzolf et al.	
4,643,200 A	2/1987	Jennings, Jr.	
4,685,910 A	8/1987	Schweizer	
4,774,963 A	10/1988	Ichikawa et al.	
4,781,702 A	11/1988	Herrli	
4,838,855 A	6/1989	Lynn	
4,936,315 A	6/1990	Lineback	
D311,249 S *	10/1990	Kasai	D24/121
D319,698 S *	9/1991	Arioka et al.	D24/117
D320,449 S *	10/1991	Shah	D24/130
5,095,914 A	3/1992	Sarstedt	

D325,444 S *	4/1992	Murashita et al.	D24/224
5,135,489 A	8/1992	Jepson et al.	
5,148,811 A	9/1992	Messinger	
D335,535 S *	5/1993	Arioka et al.	D24/117
5,265,621 A	11/1993	Simpson et al.	
5,324,266 A	6/1994	Ambrisco et al.	
D369,214 S *	4/1996	Nason	D24/130
5,522,804 A	6/1996	Lynn	
5,540,557 A	7/1996	Carson	
5,788,677 A	8/1998	Botich et al.	
5,858,253 A	1/1999	Holm	
5,938,637 A	8/1999	Austin et al.	
5,976,112 A	11/1999	Lyza, Jr.	
6,086,559 A	7/2000	Enk	
6,224,561 B1	5/2001	Swendson et al.	
6,254,576 B1	7/2001	Shekalim	
6,481,679 B1	11/2002	Bennett et al.	
7,097,633 B2 *	8/2006	Botich et al.	604/110
2003/0106917 A1	6/2003	Shetler et al.	

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0 575 917 B1 12/1993

(Continued)

OTHER PUBLICATIONS

Photograph of Secure system.

(Continued)

Primary Examiner—T. Chase Nelson
Assistant Examiner—Eric L Goodman
(74) *Attorney, Agent, or Firm*—Wood, Herron & Evans, LLP

(57) **CLAIM**

The ornamental design for a flow-through medical fluid reservoir, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an embodiment of our new, original and ornamental design;

FIG. 2 is a front view thereof;

FIG. 3 is a left side view thereof;

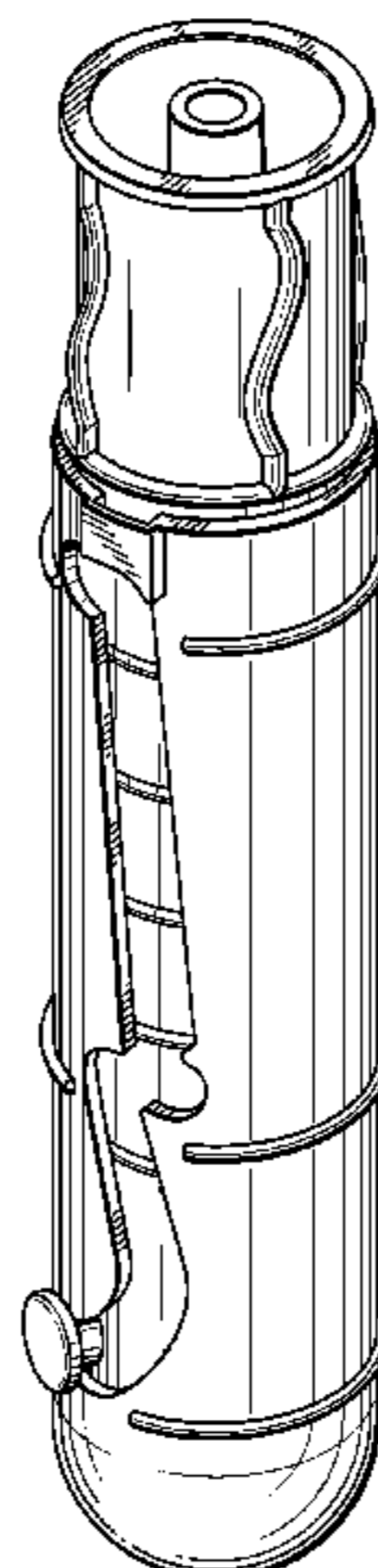


FIG. 4 is a right side view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

The portions of the design shown in broken lines form no part of the claimed design.

1 Claim, 3 Drawing Sheets

U.S. PATENT DOCUMENTS

2003/0181825	A1	9/2003	Büttner	
2004/0049892	A1	3/2004	Messina	
2004/0133146	A1	7/2004	Broek et al.	
2005/0187532	A1	8/2005	Thurau et al.	
2005/0197626	A1*	9/2005	Moberg et al.	604/131
2006/0284036	A1	12/2006	Aube	
2007/0180640	A1*	8/2007	Knopow et al.	15/210.1

FOREIGN PATENT DOCUMENTS

EP	1726867	A	11/2006
EP	1 316 289	A1	6/2007
NL	0076771		11/1954
WO	2005021069	A	3/2005

OTHER PUBLICATIONS

Photograph of Kids Kit system.
Photograph of Vamp system.
Photograph of Vamp Plus system.
Photograph of Safeset system.
European Search Report from counterpart European Application No. 07253114.8 (2 pages).
European Written Opinion from counterpart European Application No. 07253114.8 (3 pages).

* cited by examiner

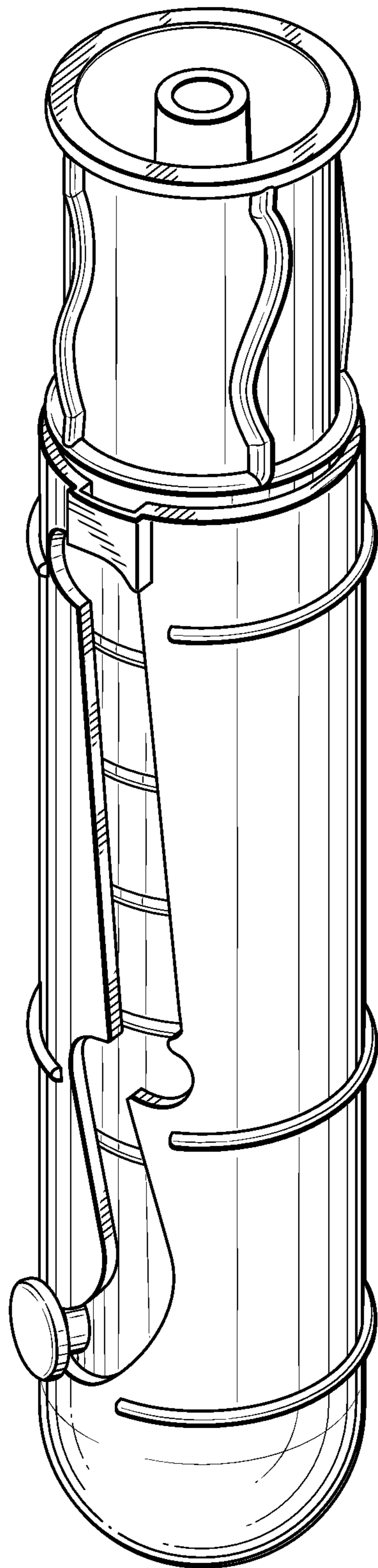


FIG. 1

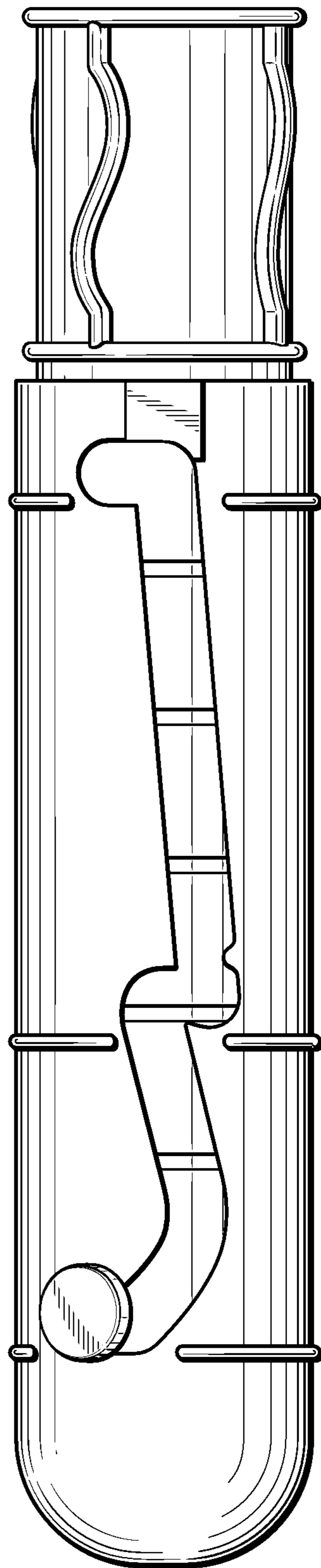


FIG. 2

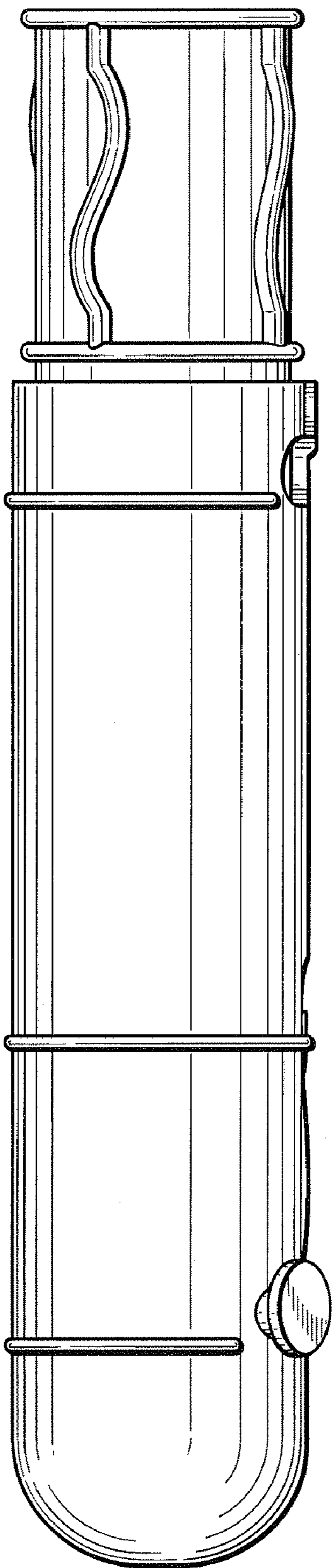


FIG. 3

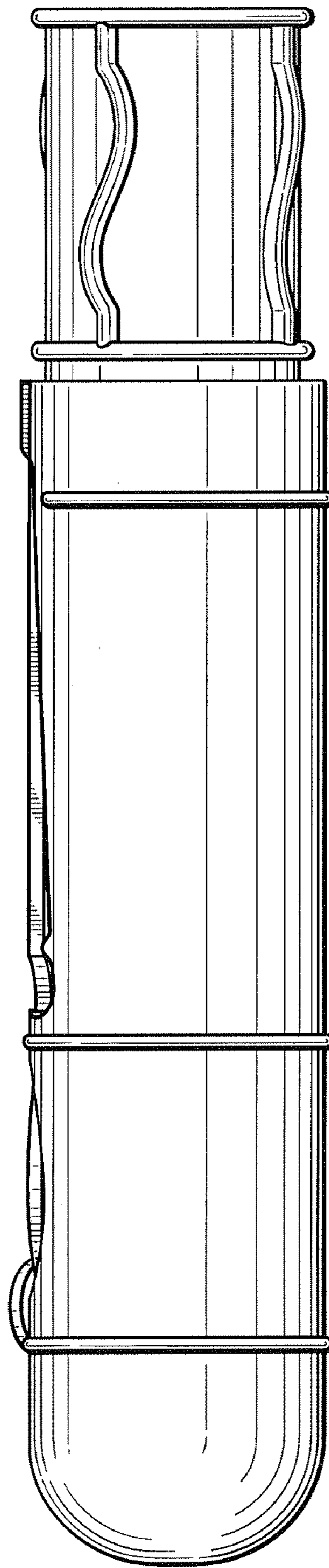


FIG. 4

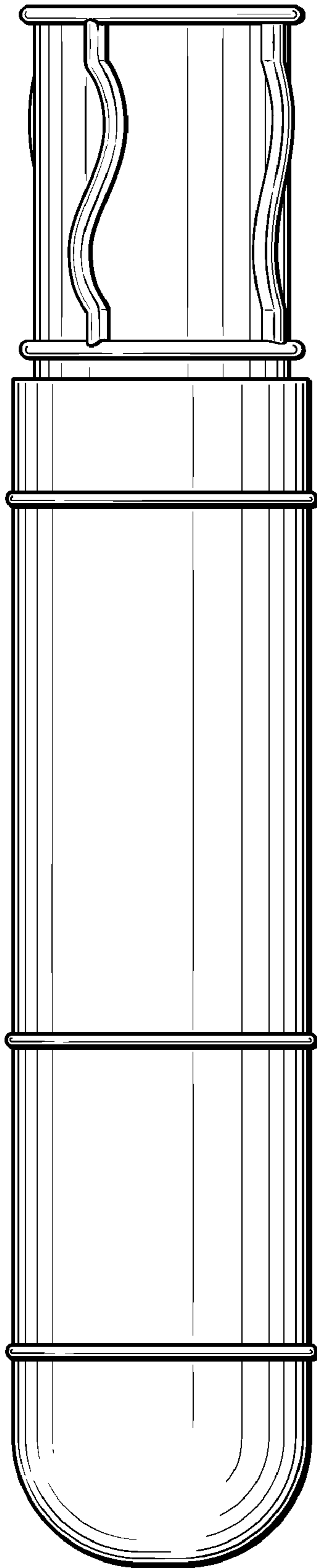


FIG. 5

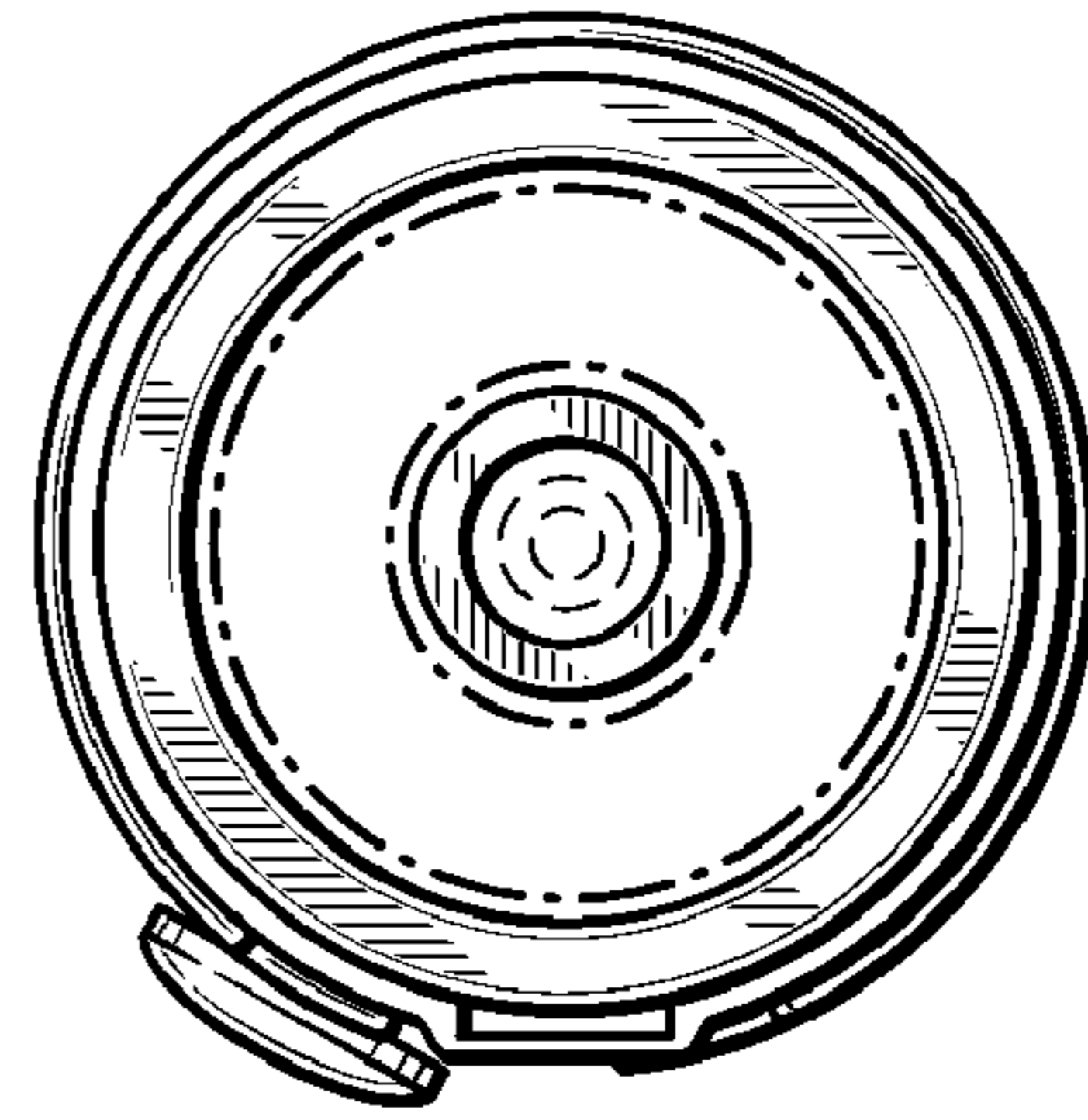


FIG. 6

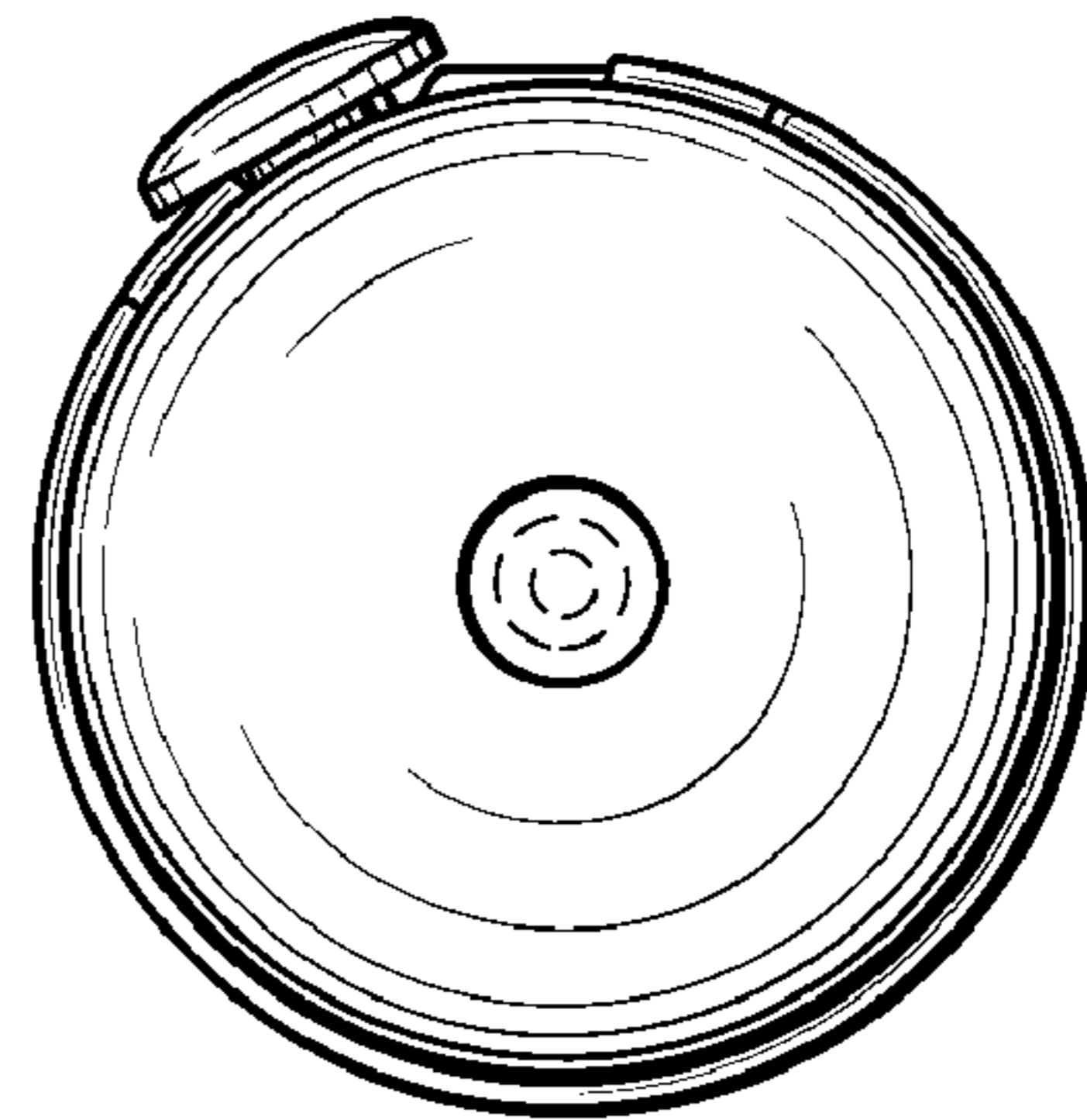


FIG. 7