



US00D480960S

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

(10) **Patent No.: US D480,960 S**

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(54) **DISPENSER FOR COMPARTMENTALIZED CONSTITUENTS**

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

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(52) **U.S. Cl. D9/341**

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D9/420, 424, 430, 499, 524; D7/509, 513,
670; 206/216, 217, 527, 822; 215/6, 10,
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529, 549; D34/39; 220/665

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,863,782 A 6/1932 Young
D185,388 S * 6/1959 Peters D83/1
2,941,696 A 6/1960 Homm

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

FR 1353494 11/1962
WO WO 00/10423 3/2000
WO WO 02/02240 1/2002

OTHER PUBLICATIONS

Aramino two can system—Photographs and advertisement. Hoyu Company Ltd. Hair coloring package and associated information from “Spray Technology & Marketing,” Jul. 1997.

(List continued on next page.)

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(57) **CLAIM**

The ornamental design for a dispenser for compartmentalized constituents, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a dispenser for compartmentalized constituents according to a first embodiment of the present invention;

FIG. 2 is a front view of the dispenser for compartmentalized constituents according to the first embodiment of the present invention;

FIG. 3 is a back view of the dispenser for compartmentalized constituents according to the first embodiment of the present invention;

FIG. 4 is a side view of the dispenser for compartmentalized constituents according to the first embodiment of the present invention;

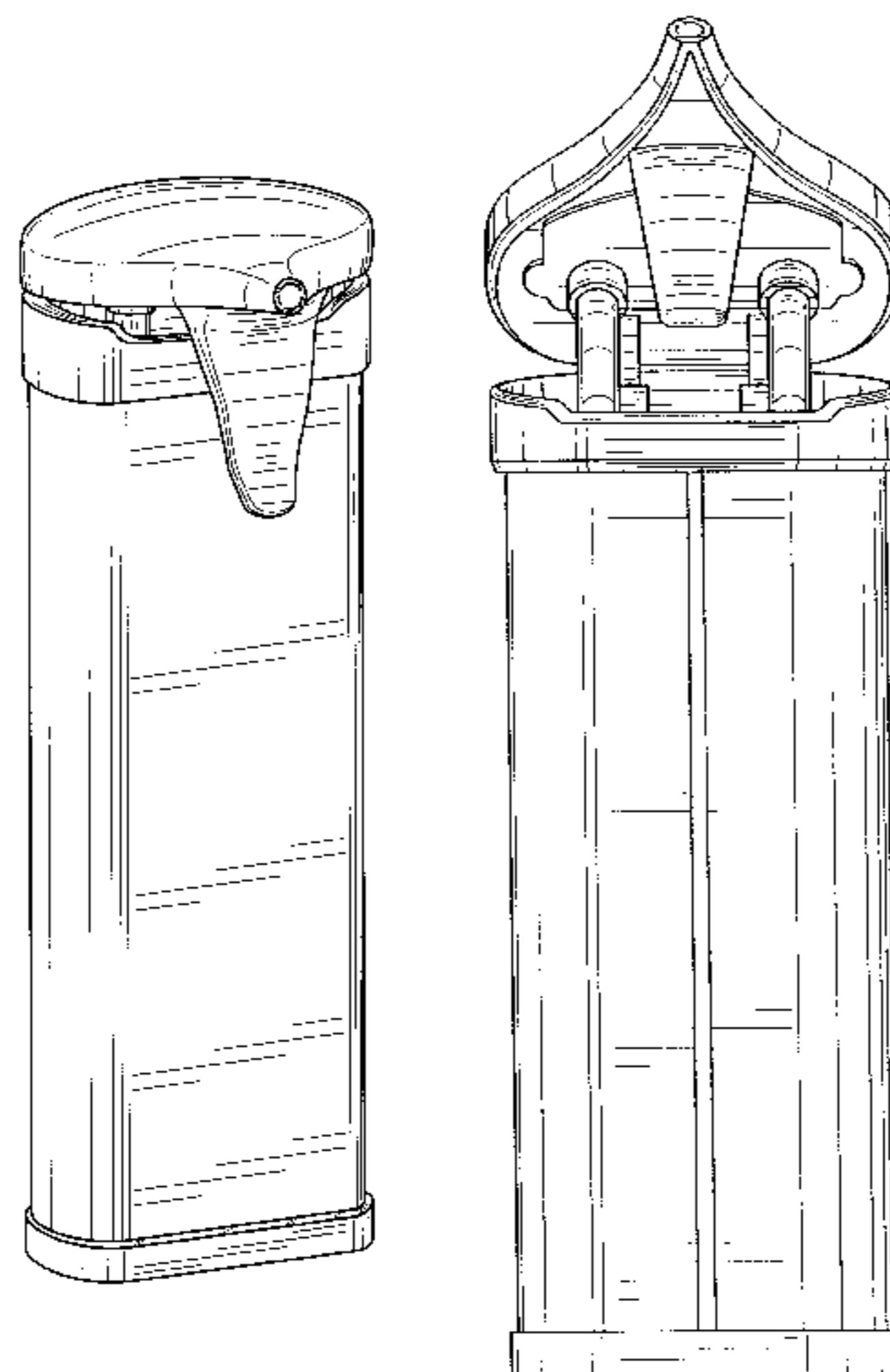
FIG. 5 is a top view of the dispenser for compartmentalized constituents according to the first embodiment of the present invention;

FIG. 6 is a front view of a dispenser for compartmentalized constituents according to the first embodiment of the present invention with the head portion of the dispenser partially open; and,

FIG. 7 is a front view of a dispenser for compartmentalized constituents according to a second embodiment of the present invention with the head portion of the dispenser partially open.

In a first embodiment of the invention, the main body encases the separate containers. In a second embodiment of the invention, the main body of the dispenser is formed of the two separate containers as illustrated in FIG. 7. It being understood that the side and top views of the second embodiment are the same as the first embodiment shown in FIGS. 4 and 5.

1 Claim, 7 Drawing Sheets



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U.S. PATENT DOCUMENTS

3,190,511 A	6/1965	Daly	5,291,905 A	3/1994	Busch et al.
3,451,593 A	6/1969	Dillarstone	5,311,887 A	5/1994	Ramsey
3,595,440 A	7/1971	Prussin	5,316,159 A *	5/1994	Douglas et al. 215/10
D221,523 S	8/1971	Mason et al.	D348,802 S	7/1994	Miller, III
3,608,781 A	9/1971	Flynn	5,337,764 A	8/1994	McKay
3,782,600 A	1/1974	Columbus	5,339,839 A	8/1994	Forcelledo et al.
3,960,160 A	6/1976	Hogan	5,392,947 A *	2/1995	Gentile 220/665
3,961,635 A	6/1976	Miya	5,483,979 A	1/1996	Bertieri
3,964,501 A	6/1976	Matchett	D378,041 S *	2/1997	Stovall D7/670
4,057,901 A	11/1977	Bloem	5,645,193 A	7/1997	Gentile et al.
4,121,602 A	10/1978	Young	5,873,492 A	2/1999	Sullivan
4,277,193 A	7/1981	Knaus	D409,442 S *	5/1999	Kilpatrick et al. D7/513
4,294,270 A	10/1981	Cochran	5,927,554 A	7/1999	Bartlow
D264,053 S	4/1982	Ma et al.	D413,798 S	9/1999	LaMarra
4,376,441 A	3/1983	Duncan	5,954,213 A *	9/1999	Gerhart et al. 215/10
4,388,936 A	6/1983	Roberts	D454,068 S *	3/2002	Hanson D9/524
4,423,097 A	12/1983	Mons et al.			
4,516,591 A	5/1985	Hierholzer			
4,605,026 A	8/1986	Nolin			
D286,380 S	10/1986	Harman			
4,691,720 A	9/1987	Schmitz			
4,692,047 A	9/1987	Endo			
4,773,562 A	9/1988	Gueret			
4,799,456 A	1/1989	Young			
4,840,493 A	6/1989	Horner			
4,850,705 A	7/1989	Horner			
4,934,855 A	6/1990	Recchelbacher			
4,958,647 A	9/1990	Busch et al.			
5,005,736 A *	4/1991	Portas 222/135			
D328,710 S *	8/1992	Deflander D9/515			
5,167,347 A	12/1992	Wiegner et al.			
D335,745 S *	5/1993	Schilthuizen D34/39			
D336,846 S	6/1993	Proctor			
5,289,835 A	3/1994	Harlan et al.			
5,289,944 A	3/1994	Wiegner et al.			

OTHER PUBLICATIONS

International Preliminary Examination Report, PCT/US99/18738, Nov. 2000.

"Mixing right in the can," COSSMA, vol. 10, No. 5-2002, Jun. 2002.

"Perfect mix," Spray Technology & Marketing, Mar. 2002.

"How to Mix Profitability Into Your Products," Mixtek, 2002.

"Mixing it up," Spray Technology & Marketing, Jun. 2002.

Technology & Marketing, Dec. 1998.

"The New Standard in Aerosol Spray-Through-Cap Technology," Arich, Inc., 1999.

"Co-Dispensing Cap Mixes Product From Separate Containers," Arich, Inc.

"Compartmentalized Aerosols," Spray Technology & Marketing, Jul. 1997.

* cited by examiner

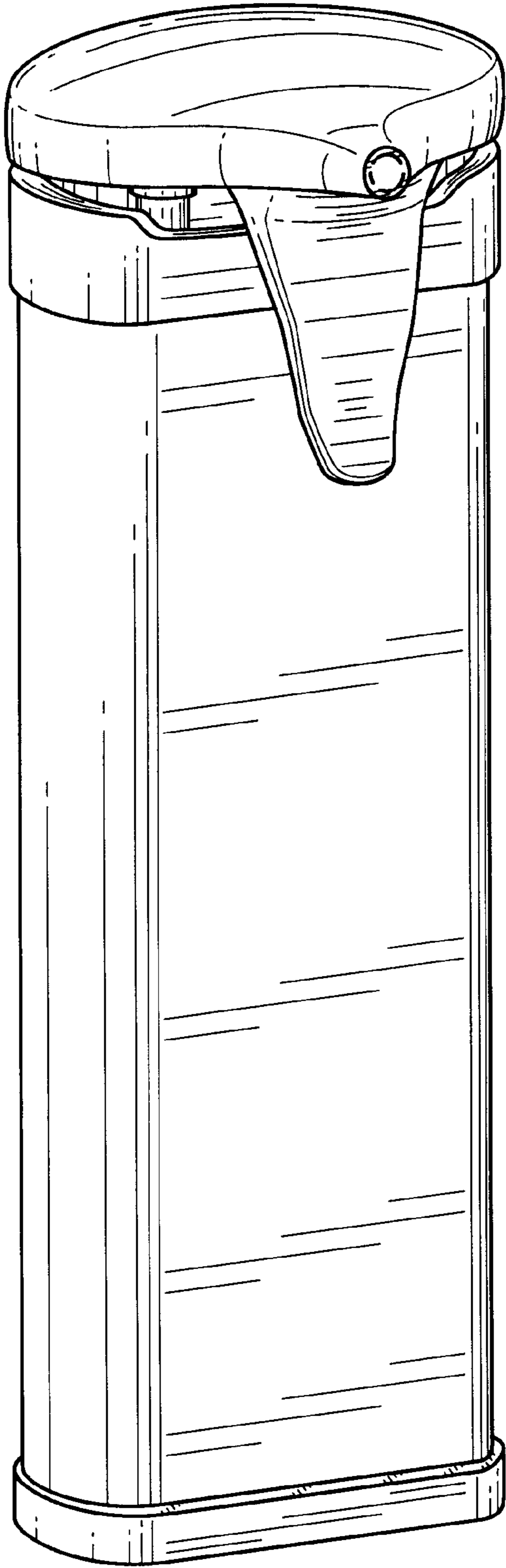


FIG. 1



FIG. 2



FIG. 3

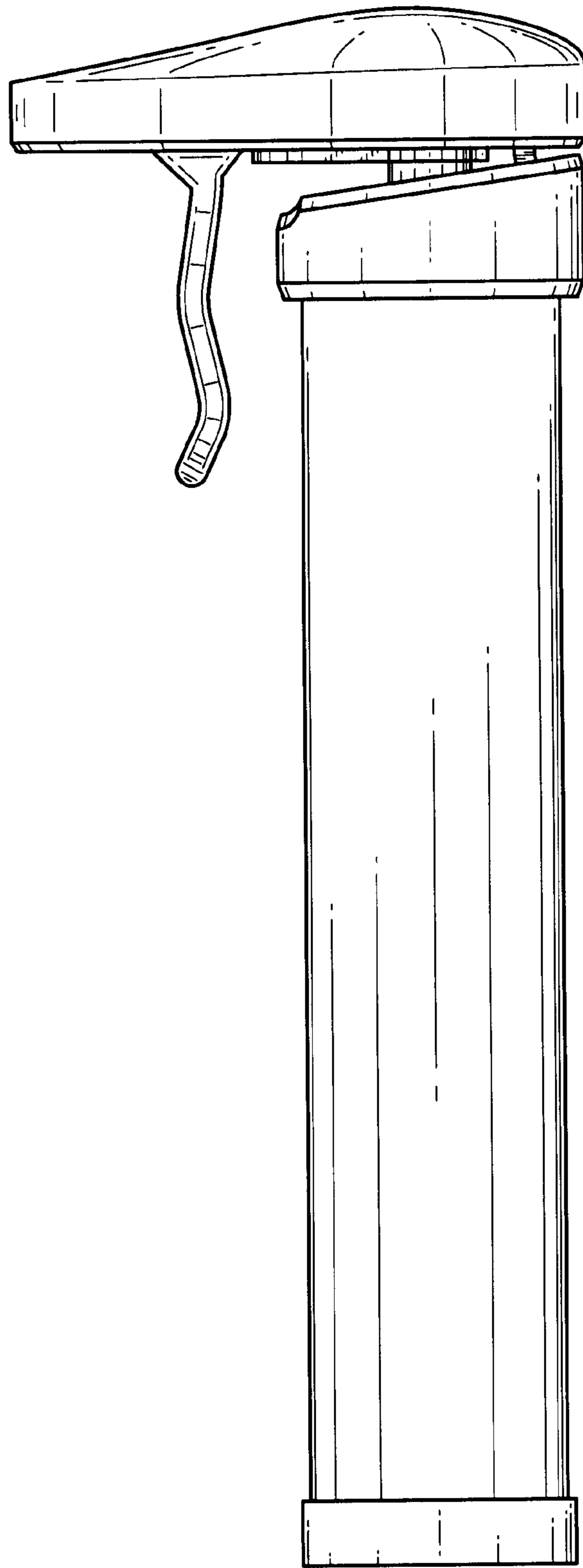


FIG. 4

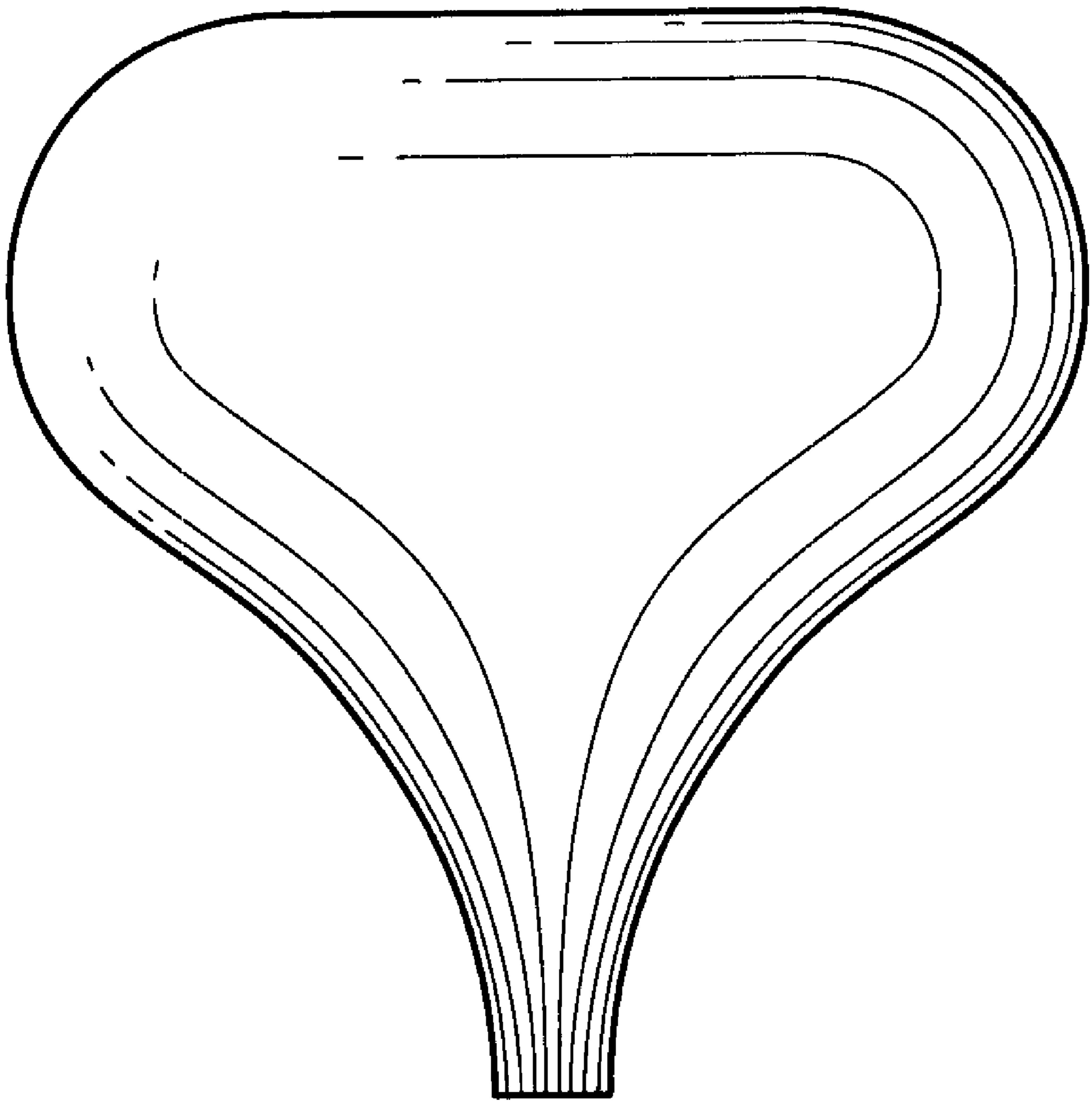


FIG. 5

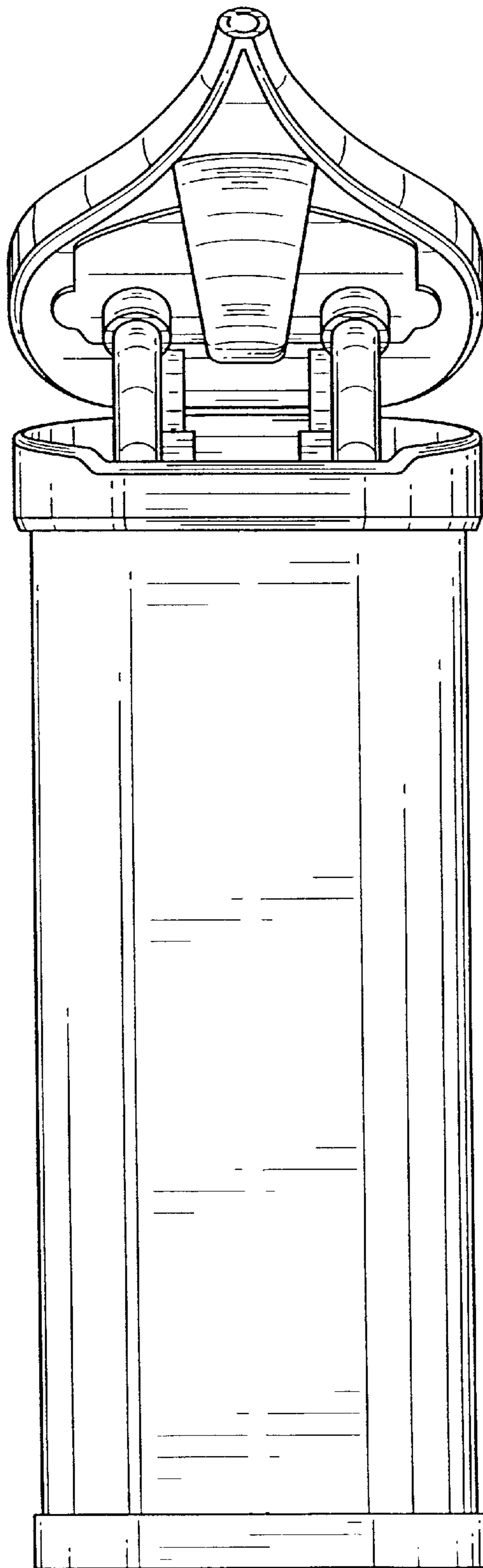


FIG. 6

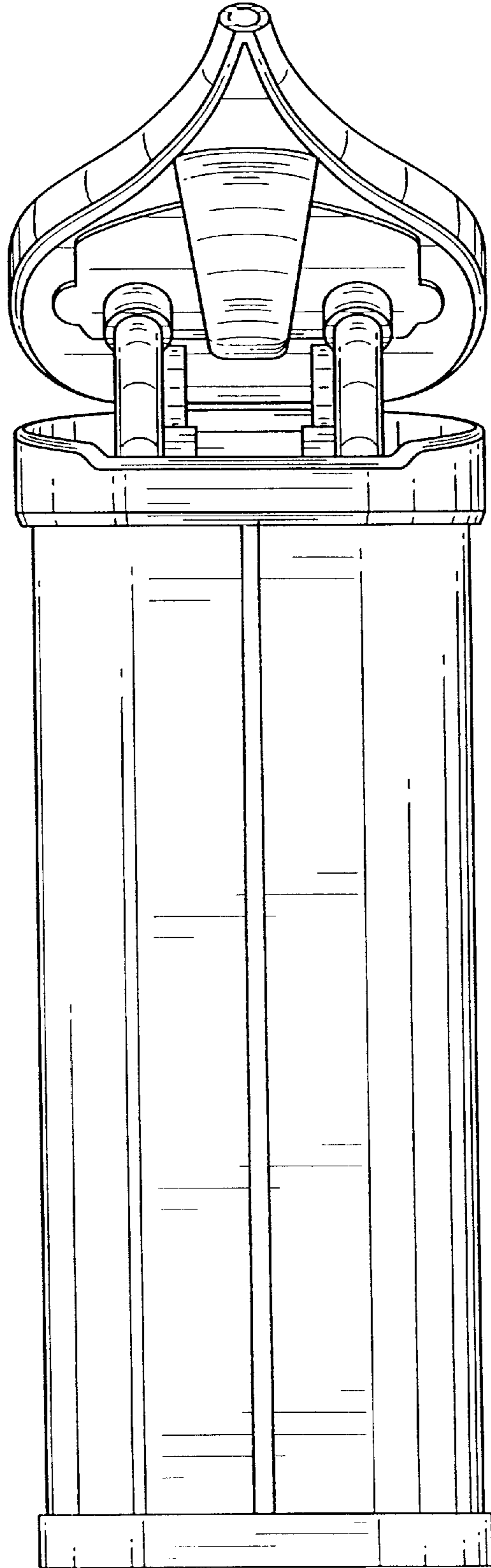


FIG. 7