



(12) **United States Design Patent**
Searle

(10) **Patent No.:** **US D459,297 S**
(45) **Date of Patent:** **** Jun. 25, 2002**

(54) **BATTERY**

(75) **Inventor:** **Gary M. Searle**, Norfolk, MA (US)

(73) **Assignee:** **The Gillette Company**, Boston, MA (US)

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

(21) **Appl. No.:** **29/129,671**

(22) **Filed:** **Sep. 19, 2000**

(51) **LOC (7) Cl.** **13-02**

(52) **U.S. Cl.** **D13/103**

(58) **Field of Search** D13/103; 429/96–100, 429/159, 163, 170

6,232,007 B1 * 5/2001 Payne et al. 429/27
6,326,102 B1 * 12/2001 Getz 429/132

FOREIGN PATENT DOCUMENTS

EP	0 940 866 A2	8/1999	
EP	0 940 869 A2	8/1999	
EP	0 940 870 A2	8/1999	
EP	0 940 871 A2	8/1999	
EP	0 940 872 A2	8/1999	
EP	0 940 873 A2	8/1999	
EP	0 940 874 A2	8/1999	
EP	0 940 875 A2	8/1999	
FR	2146210 *	2/1973	 H01M/12/06
JP	60-9070 A	1/1985	
JP	60062069 *	1/1985	 H01M/12/06
JP	05-144482	11/1991	

(List continued on next page.)

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,163,163 A	* 12/1915	Lutz	 429/167
2,759,038 A	8/1956	Marsal	
3,754,997 A	* 8/1973	Ralston	 429/168
3,840,404 A	10/1974	Porter et al.	
3,963,519 A	* 6/1976	Louie	 429/29
4,105,830 A	8/1978	Kordesch	
4,112,198 A	9/1978	Przybyla et al.	
4,591,539 A	5/1986	Oltman et al.	
4,592,972 A	6/1986	Juergens et al.	
4,871,627 A	10/1989	Strong et al.	
4,877,694 A	10/1989	Solomon et al.	
4,950,561 A	8/1990	Niksa et al.	
5,242,763 A	9/1993	Konishi et al.	
5,328,777 A	7/1994	Bentz et al.	
5,443,924 A	* 8/1995	Spellman	 429/65
5,447,805 A	9/1995	Harats et al.	
5,554,452 A	9/1996	Delmolino et al.	
5,560,999 A	10/1996	Pedicini et al.	
5,650,241 A	7/1997	McGee	
5,663,007 A	9/1997	Ikoma et al.	
5,795,667 A	8/1998	McKenzie et al.	
5,817,435 A	10/1998	Shimakawa et al.	
5,891,589 A	4/1999	Witizgreuter et al.	
5,904,998 A	5/1999	Dopp et al.	
5,916,707 A	6/1999	Omaru et al.	
D413,565 S	* 9/1999	Nakayama	 D13/103

OTHER PUBLICATIONS

Cretzmeyer et al., “Commercial Zinc–Air Batteries”, pp. 269–290.

Gibbard et al., “Mechanisms of Operation of the Zinc–Air Battery”, pp. 232–241.

Espig et al., “Primary Zinc–Air Batteries”, pp. 327–343.

Bender et al., “Zinc/Air Cells”, pp. 10–2—10–24.

Primary Examiner—Joel Sincavage

(74) *Attorney, Agent, or Firm*—Fish & Richardson P.C.

(57) **CLAIM**

The ornamental design for a battery, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the battery design of the invention;

FIG. 2 is a top view of the battery of FIG. 1;

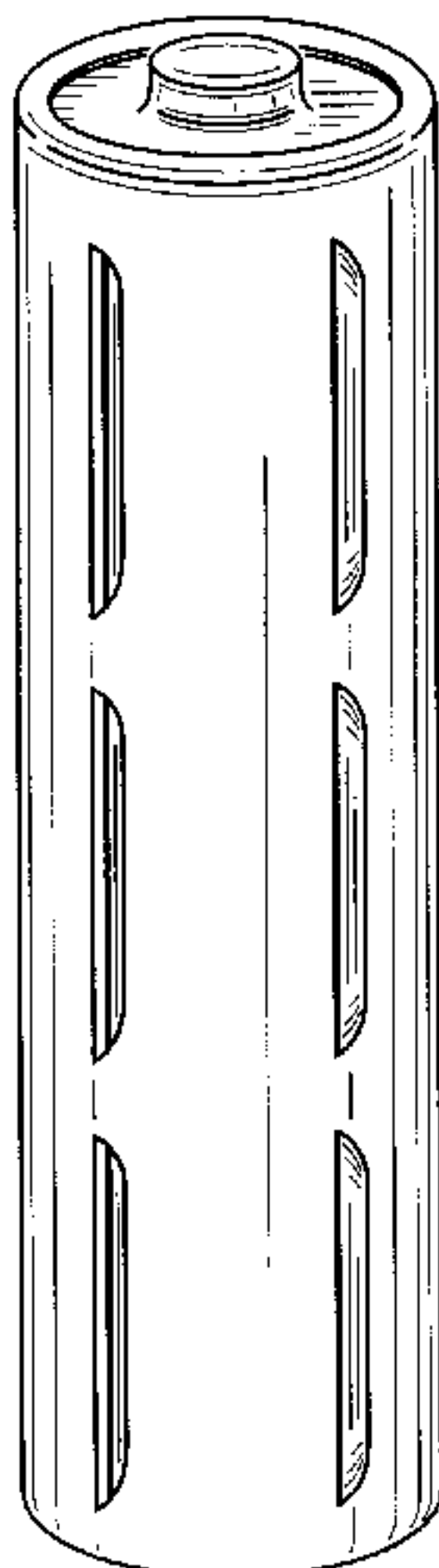
FIG. 3 is a bottom view of the battery of FIG. 1;

FIG. 4 is a side view of the battery of FIG. 1;

FIG. 5 is another side view of the battery of FIG. 1; and,

FIG. 6 is a cross-sectional view of the battery of FIG. 5, taken along line 6—6.

1 Claim, 4 Drawing Sheets



US D459,297 S

Page 2

FOREIGN PATENT DOCUMENTS						
				JP	10012288 A	1/1998
				JP	10-189064	7/1998
				JP	11-185835	7/1999
				JP	11195439	* 7/1999
						 H01M/12/06
JP	4-101352	2/1992				
JP	4-174977	6/1992				
JP	5-47422 A	2/1993				
JP	08031465 A	2/1996				
JP	09289045	* 11/1997	 H01M/12/06	* cited by examiner		

FIG. 1

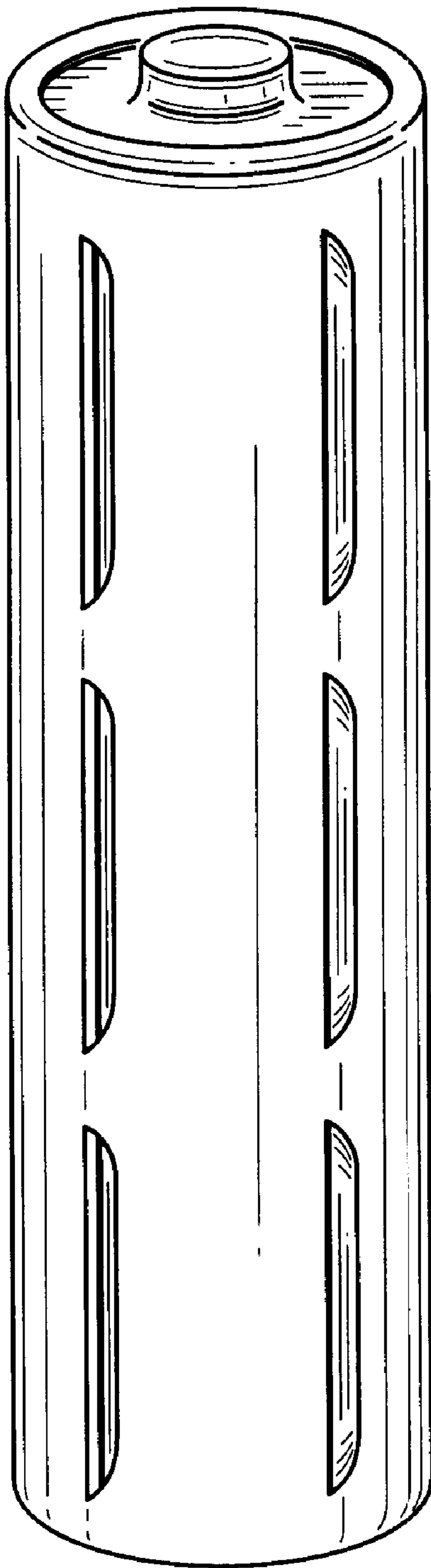


FIG. 2

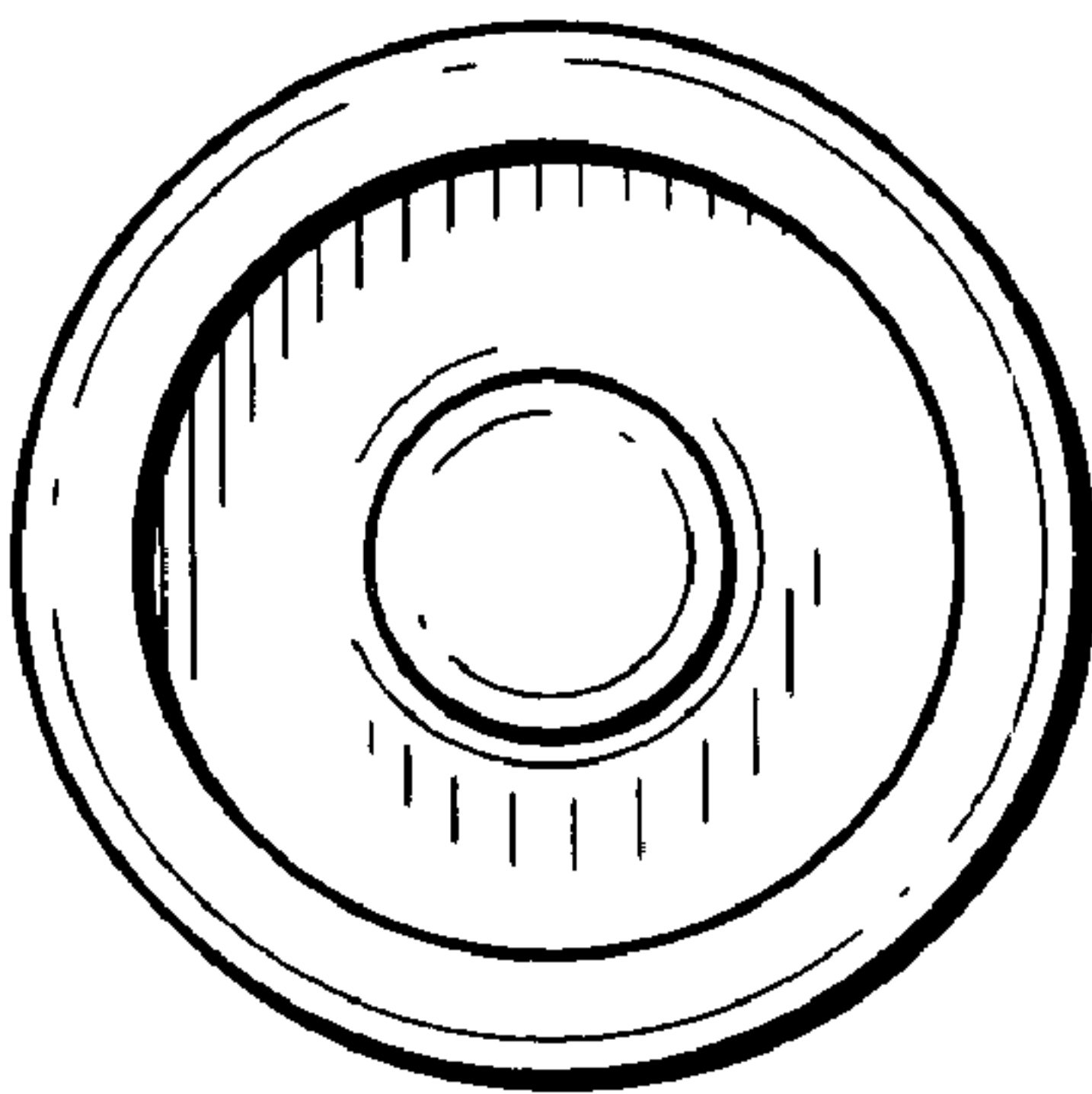


FIG. 3

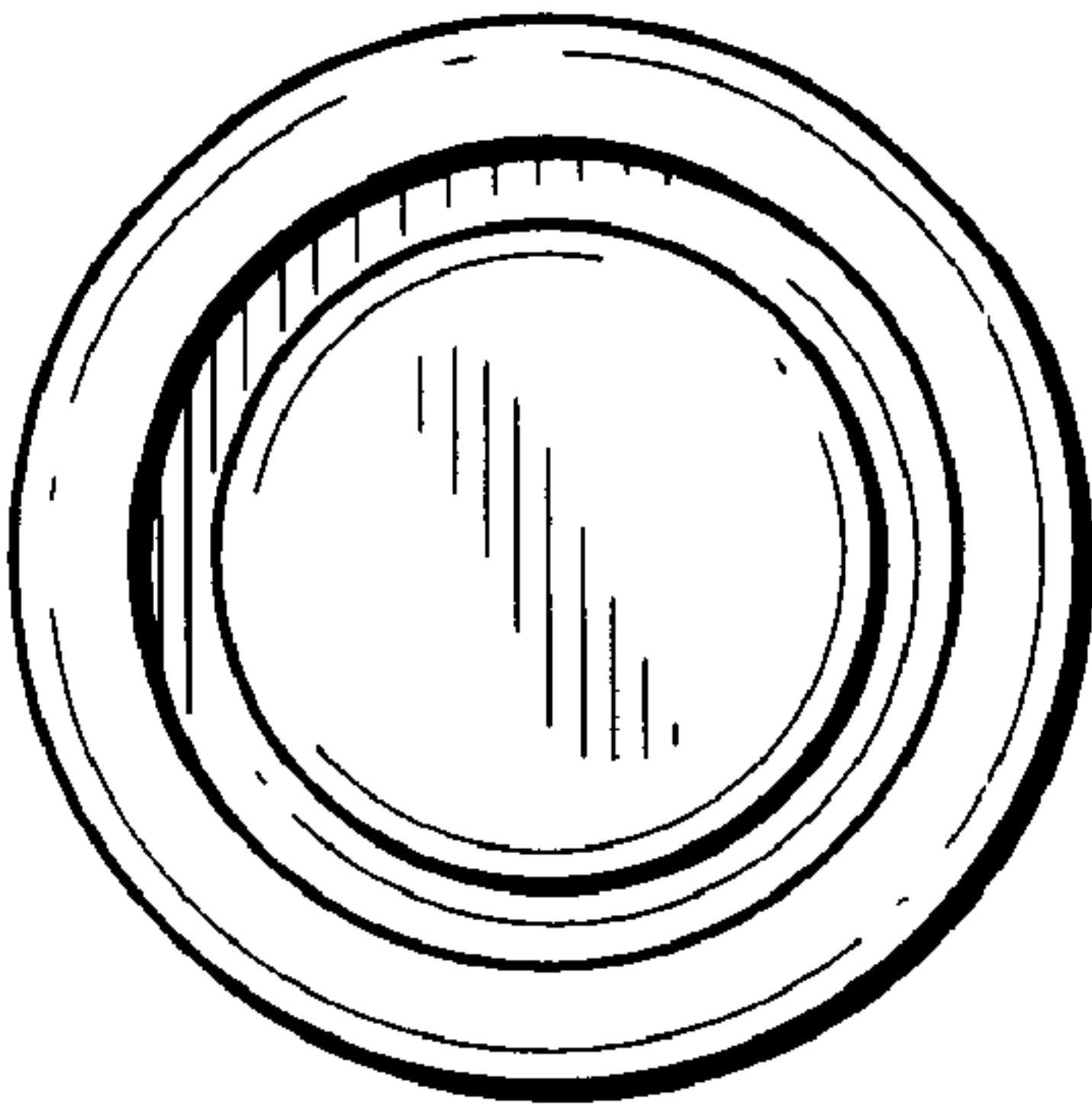


FIG. 4

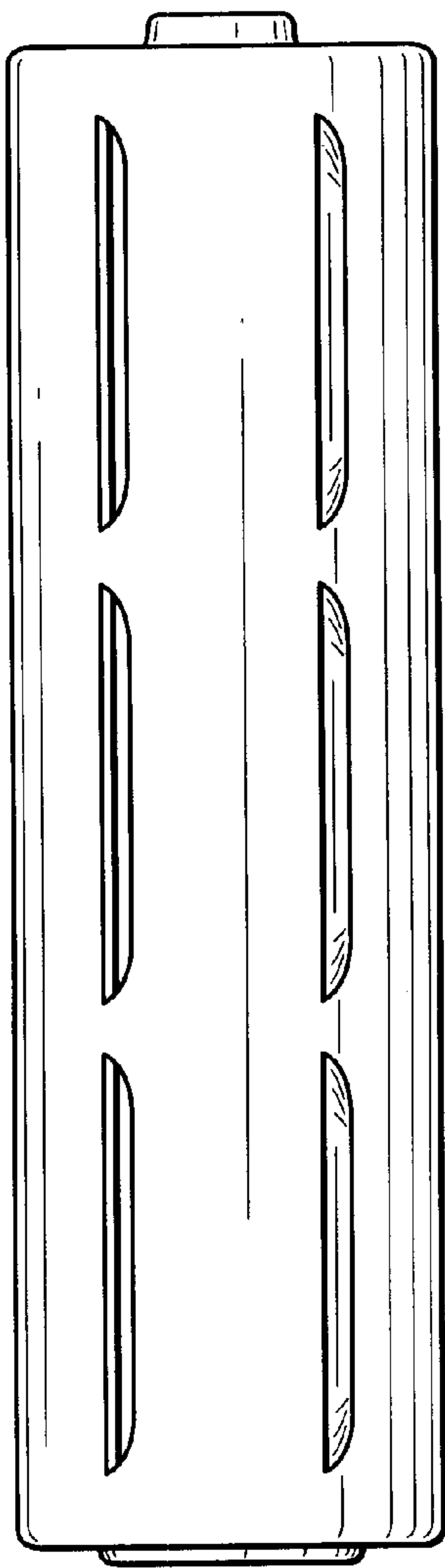


FIG. 5

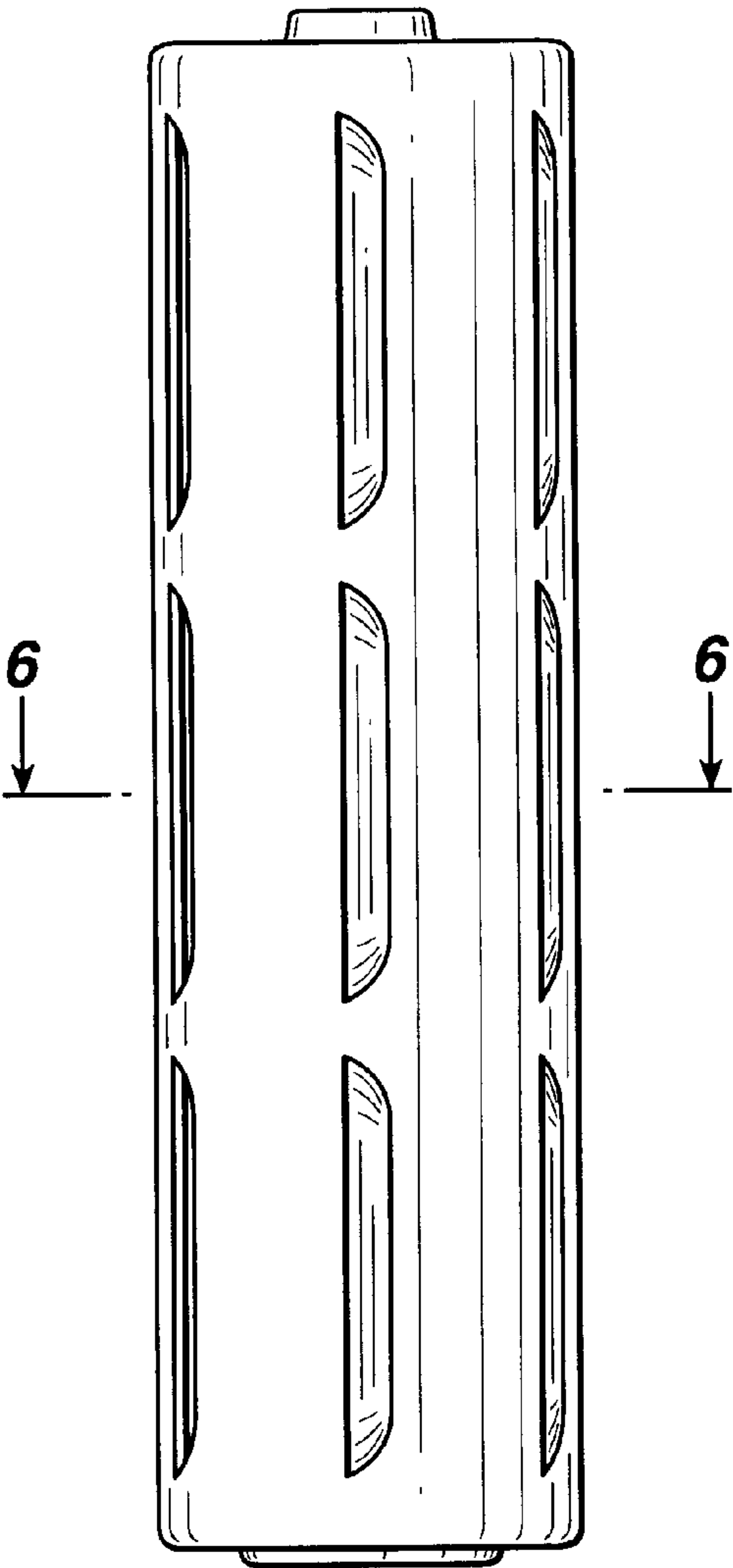


FIG. 6

