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

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(54) **BIRD AND LARGE INSECT VENT CAP FOR EXHAUST PIPES FOR HIGH EFFICIENCY FURNACES**

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

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**Related U.S. Application Data**

(62) Division of application No. 29/442,224, filed on Jan. 8, 2013, which is a division of application No. 29/373,116, filed on Mar. 2, 2011, now Pat. No. Des. 677,376.

(51) **LOC (10) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/393**

(58) **Field of Classification Search**  
USPC ..... D22/119; D23/323, 330, 335-336, 341, D23/370-371, 385-393; 52/16, 101, 244; 210/162; 285/46; 454/275, 279-280  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,937,732	A *	12/1933	Tverdak	.....	210/162
2,005,408	A	6/1935	Allin		
2,224,485	A	12/1940	Pekkala		
D180,658	S *	7/1957	Jackes	.....	D23/336
3,324,590	A	6/1967	Richardson		
D233,605	S	11/1974	Holt et al.		
D255,488	S *	6/1980	Kanarek	.....	D23/370
5,102,537	A	4/1992	Jones		
5,120,454	A	6/1992	Wieties		
D341,417	S *	11/1993	Wortham	.....	D23/336

5,291,707	A	3/1994	McDonald		
5,341,767	A *	8/1994	Smith	.....	454/275
5,427,417	A	6/1995	Lechuga		
5,507,691	A	4/1996	Nishizawa		
D370,723	S	6/1996	Nishizawa		
D372,068	S *	7/1996	Disanto	.....	D22/119
5,581,934	A *	12/1996	Arnold, Sr.	.....	210/162
D404,459	S *	1/1999	Furner et al.	.....	D22/119
6,061,950	A *	5/2000	Carey et al.	.....	43/125
D427,303	S	6/2000	Brown		
D462,436	S	9/2002	Bennett et al.		
D466,605	S	12/2002	Ziegler		
D537,519	S *	2/2007	Sigillo	.....	D23/393
7,685,778	B2	3/2010	Edell		
8,347,424	B2	1/2013	Wroblewski et al.		
D677,376	S	3/2013	Wolff		
2004/0003547	A1	1/2004	Beedle		
2007/0157531	A1	7/2007	Whitaker		

**OTHER PUBLICATIONS**

[http://inspectapedia.com/plumbing/Plumbing\\_Vents.htm](http://inspectapedia.com/plumbing/Plumbing_Vents.htm); photograph of a wallvent next to an outdoor chair. Copyright 2011.\*

\* cited by examiner

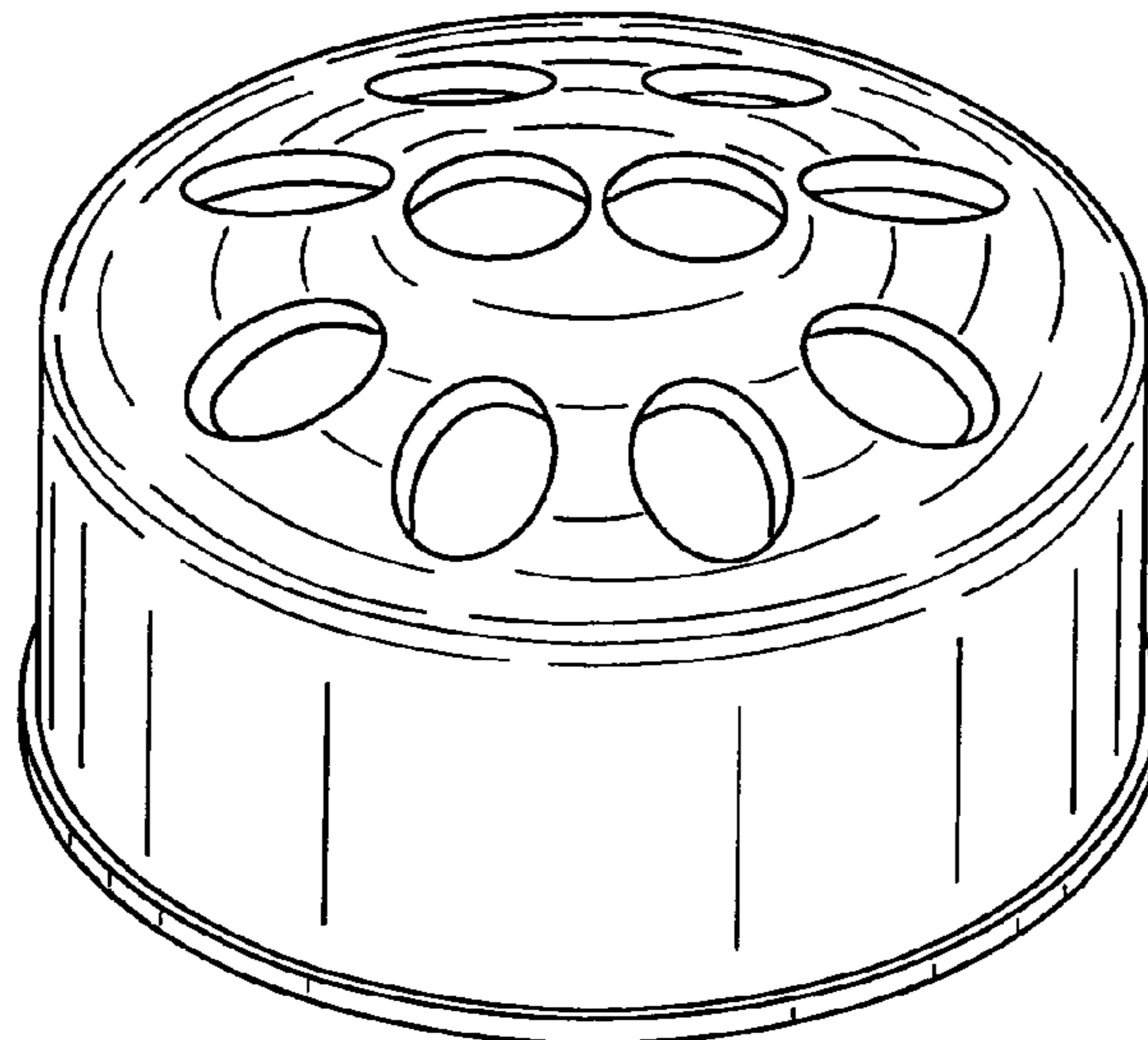
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(57) **CLAIM**  
The ornamental design for the bird and large insect vent cap for exhaust pipes for high efficiency furnaces, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a bird and large insect vent cap for exhaust pipes for high efficiency furnaces;  
FIG. 2 is a top plan view;  
FIG. 3 is a bottom view;  
FIG. 4 is a side view; and,  
FIG. 5 is a front view of the invention.

**1 Claim, 2 Drawing Sheets**



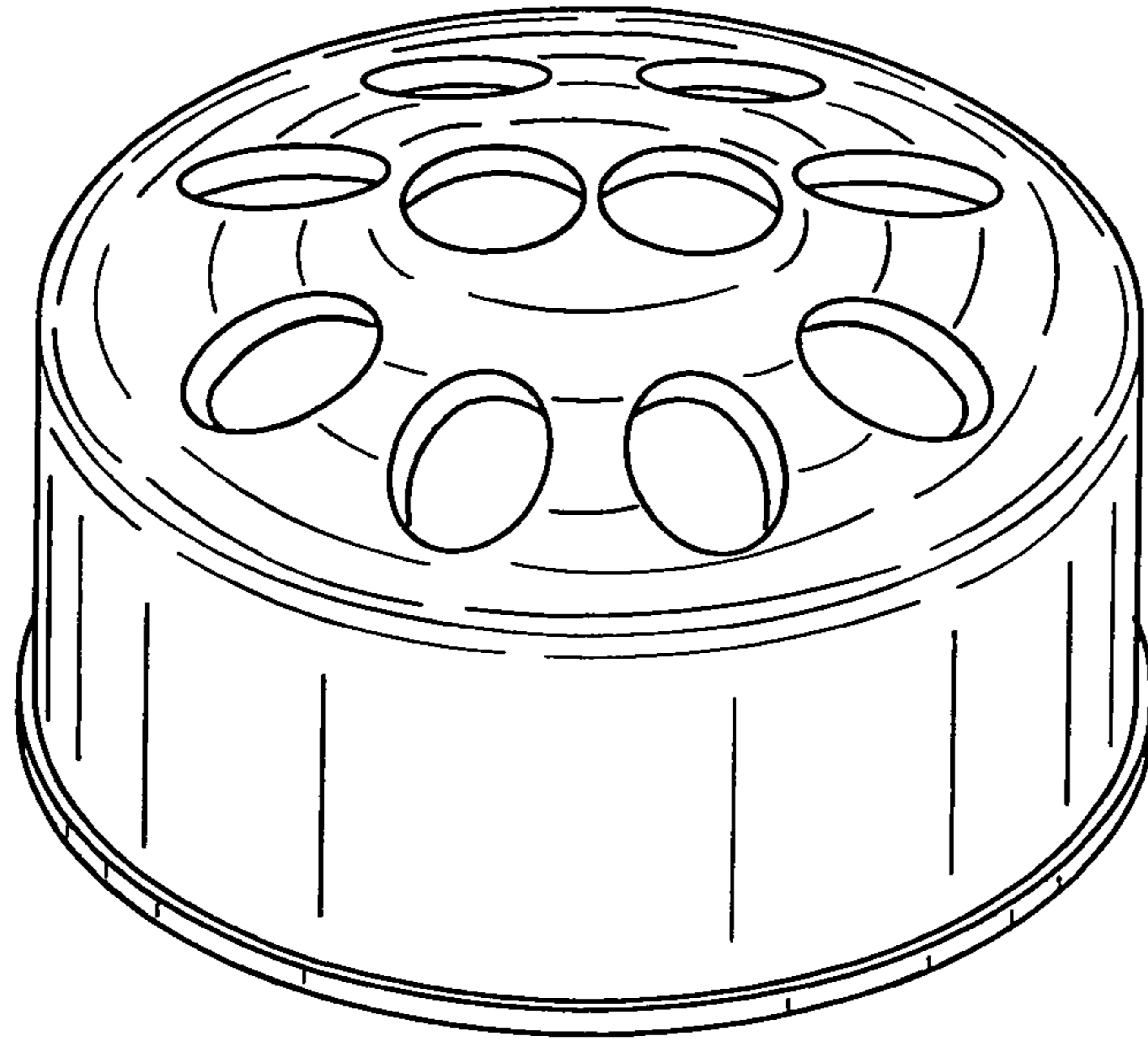


FIG. 1

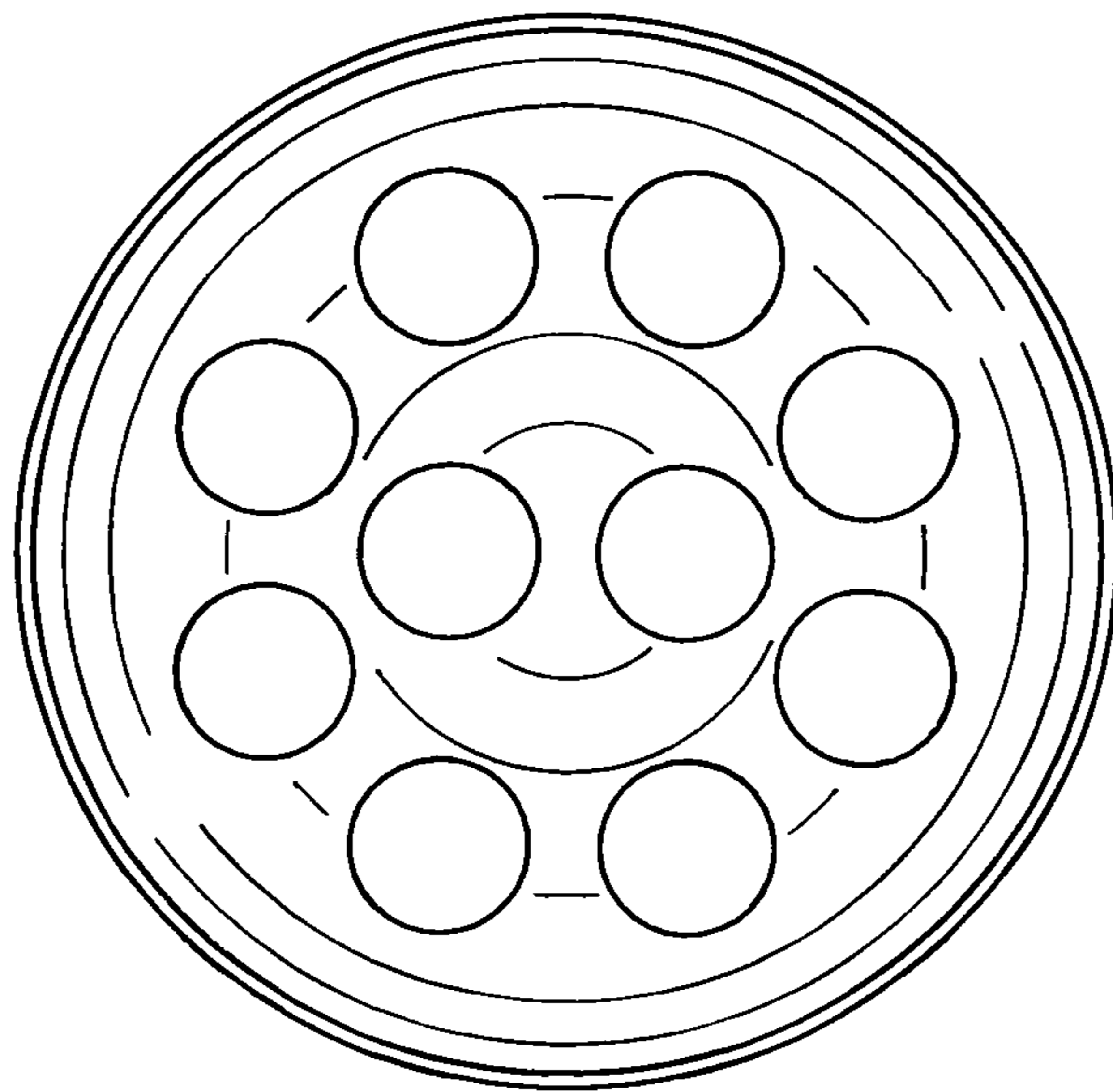


FIG. 2

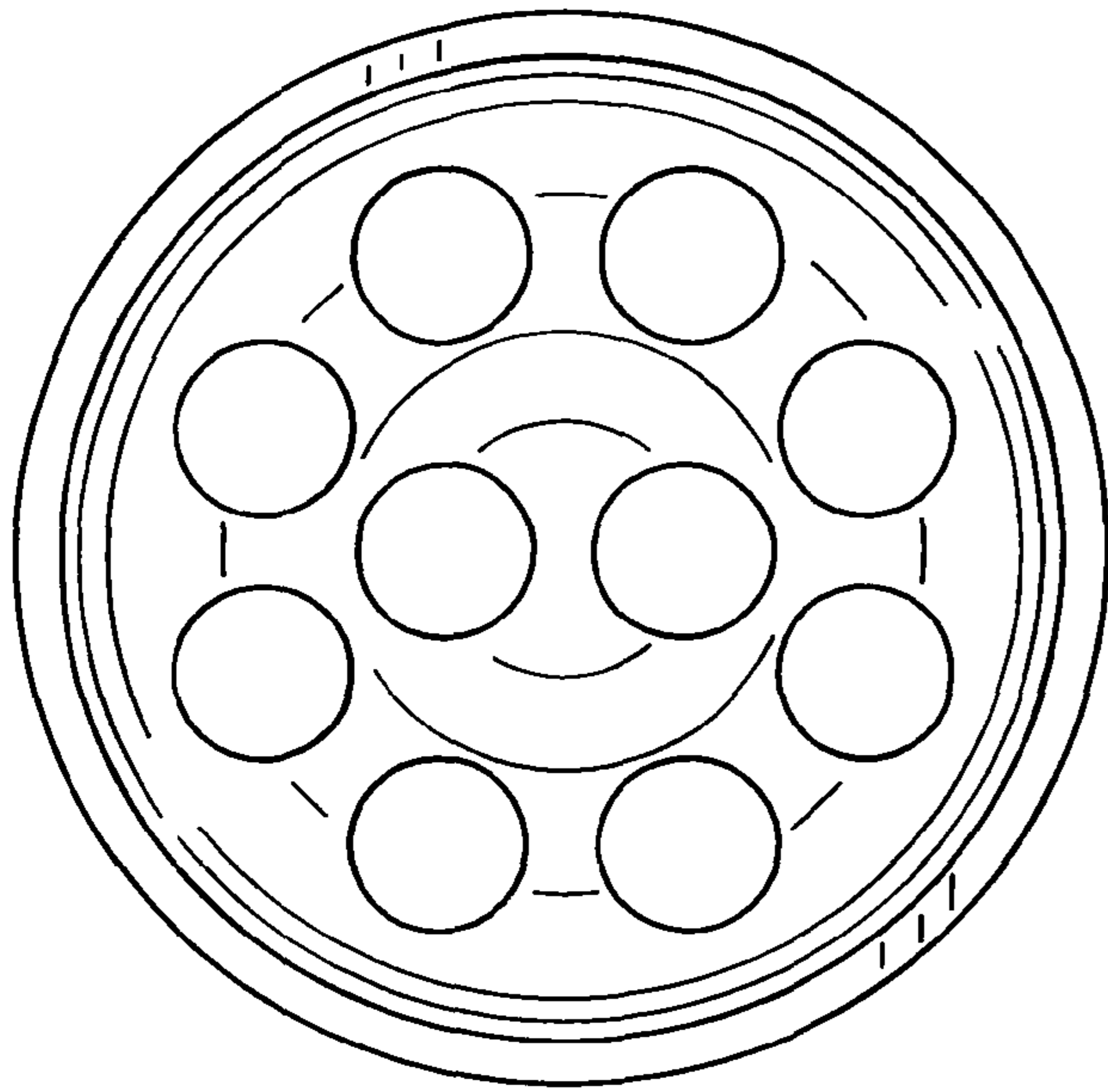


FIG. 3

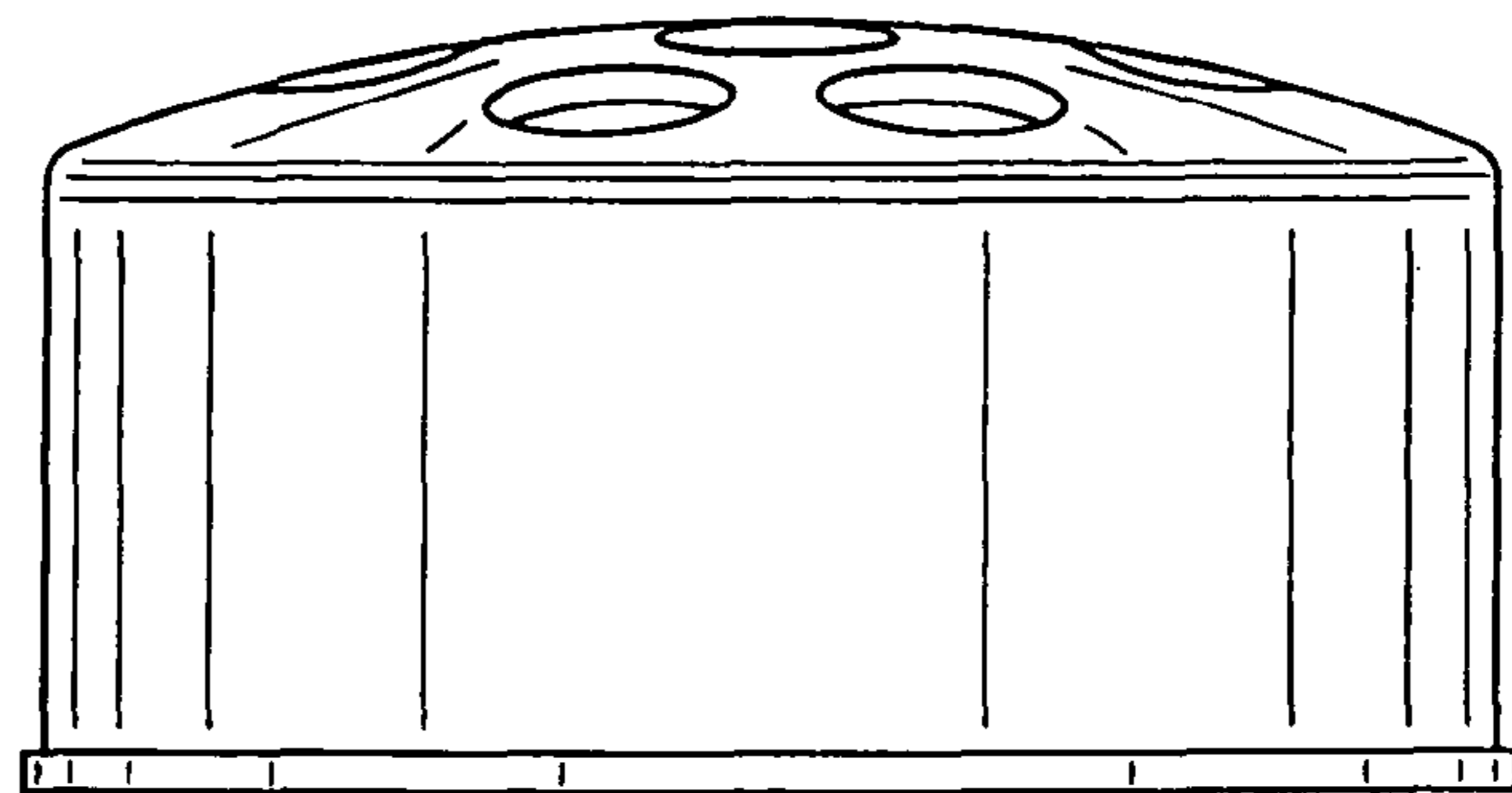


FIG. 4

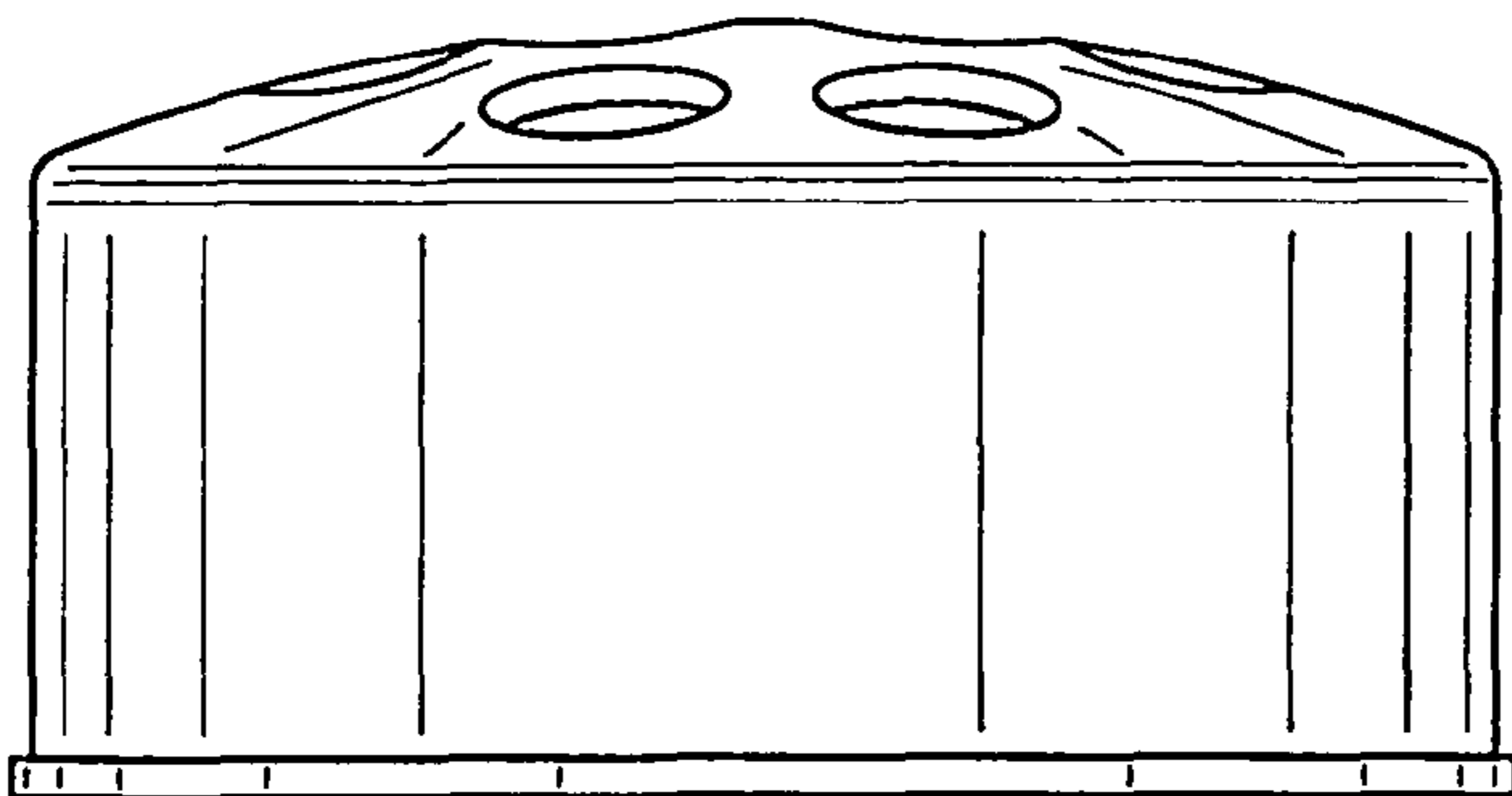


FIG. 5