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

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(54) **MILLING HEAD FOR THREAD WHIRLING**

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(73) **Assignee:** **REM Sales, Inc.**, East Granby, CT  
(US)

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

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(51) **LOC (7) Cl.** ..... **15-09**

(52) **U.S. Cl.** ..... **D15/139**

(58) **Field of Search** ..... D15/139; 409/132,  
409/200, 131, 199, 66, 74, 231, 136; 83/54,  
875; 407/35, 43, 46-50, 53, 114-119; 408/226,  
97, 56

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,691,921 A	10/1954	Burgsmuller	.....	90/11.64
2,713,282 A	7/1955	Burgsmuller	.....	82/1
2,739,510 A	3/1956	Burgsmuller	.....	90/11.64
3,209,652 A	10/1965	Burgsmuller	.....	90/11.42
4,063,837 A	12/1977	Ditson	.....	403/307
4,278,374 A	7/1981	Wolosianski	.....	409/74
4,606,683 A	* 8/1986	Link et al.	.....	409/66

4,831,906 A	5/1989	Sugimoto et al.	.....	82/118
5,238,337 A	* 8/1993	Nussbaumer et al.	.....	409/132
D376,158 S	* 12/1996	Hessman et al.	.....	D15/139
5,868,051 A	2/1999	Pakos	.....	82/110
6,049,965 A	4/2000	Perkins, Jr.	.....	29/558
6,318,937 B1	* 11/2001	Lind	.....	409/231
6,328,509 B1	* 12/2001	Lind	.....	409/231
6,450,738 B1	* 9/2002	Ripley	.....	407/35
6,511,264 B2	* 1/2003	Ripley	.....	407/36

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a milling head for thread whirling, as shown and described.

**DESCRIPTION**

FIG. 1 is a top view of a milling head for thread whirling, showing my new design;  
FIG. 2 is a bottom view thereof;  
FIG. 3 is side view thereof;  
FIG. 4 is an alternative embodiment of the top view thereof;  
FIG. 5 is another alternative embodiment of the top view thereof; and,  
FIG. 6 is a bottom view of the embodiment of FIG. 5.

**1 Claim, 2 Drawing Sheets**

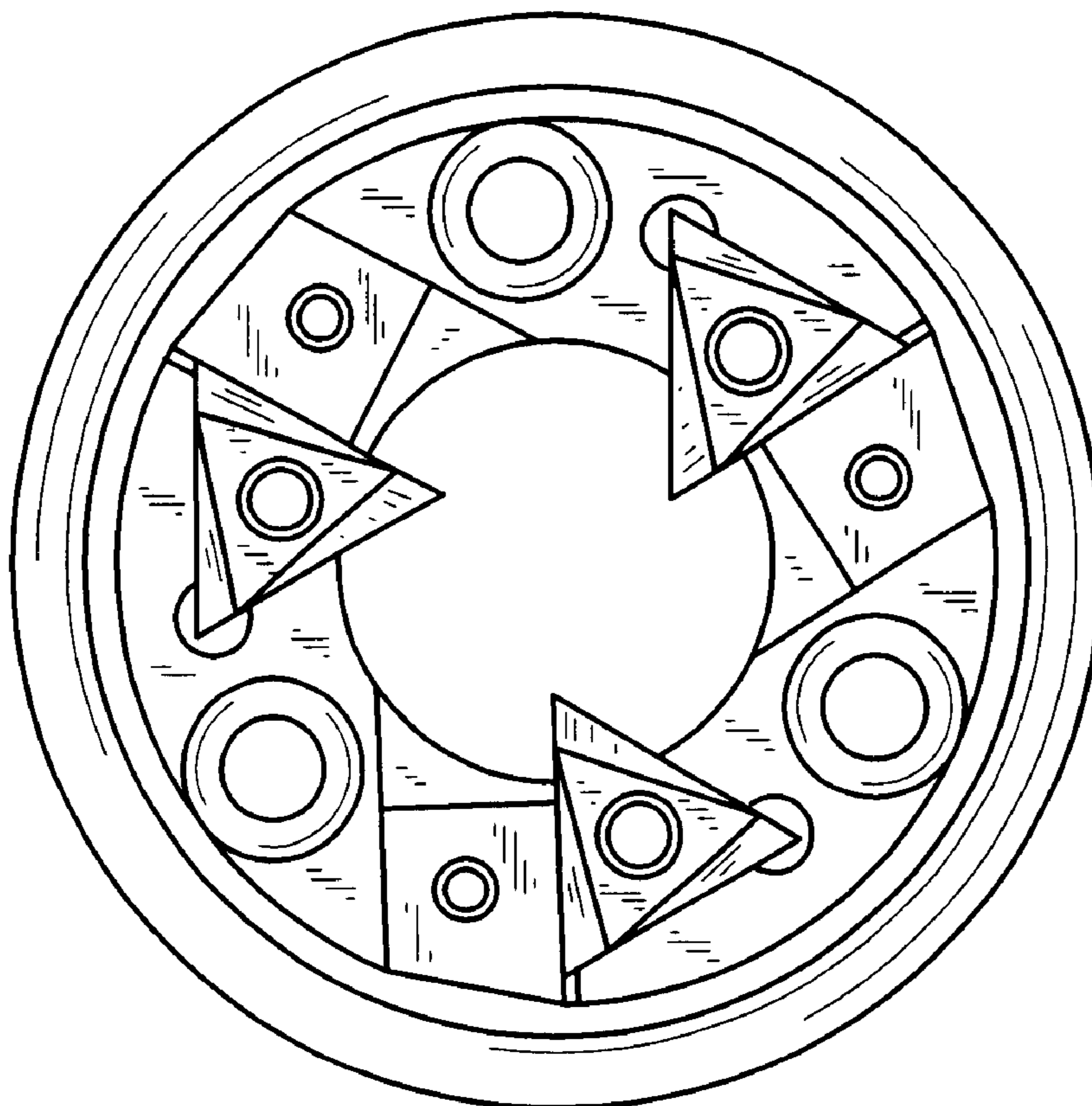


FIG. 1

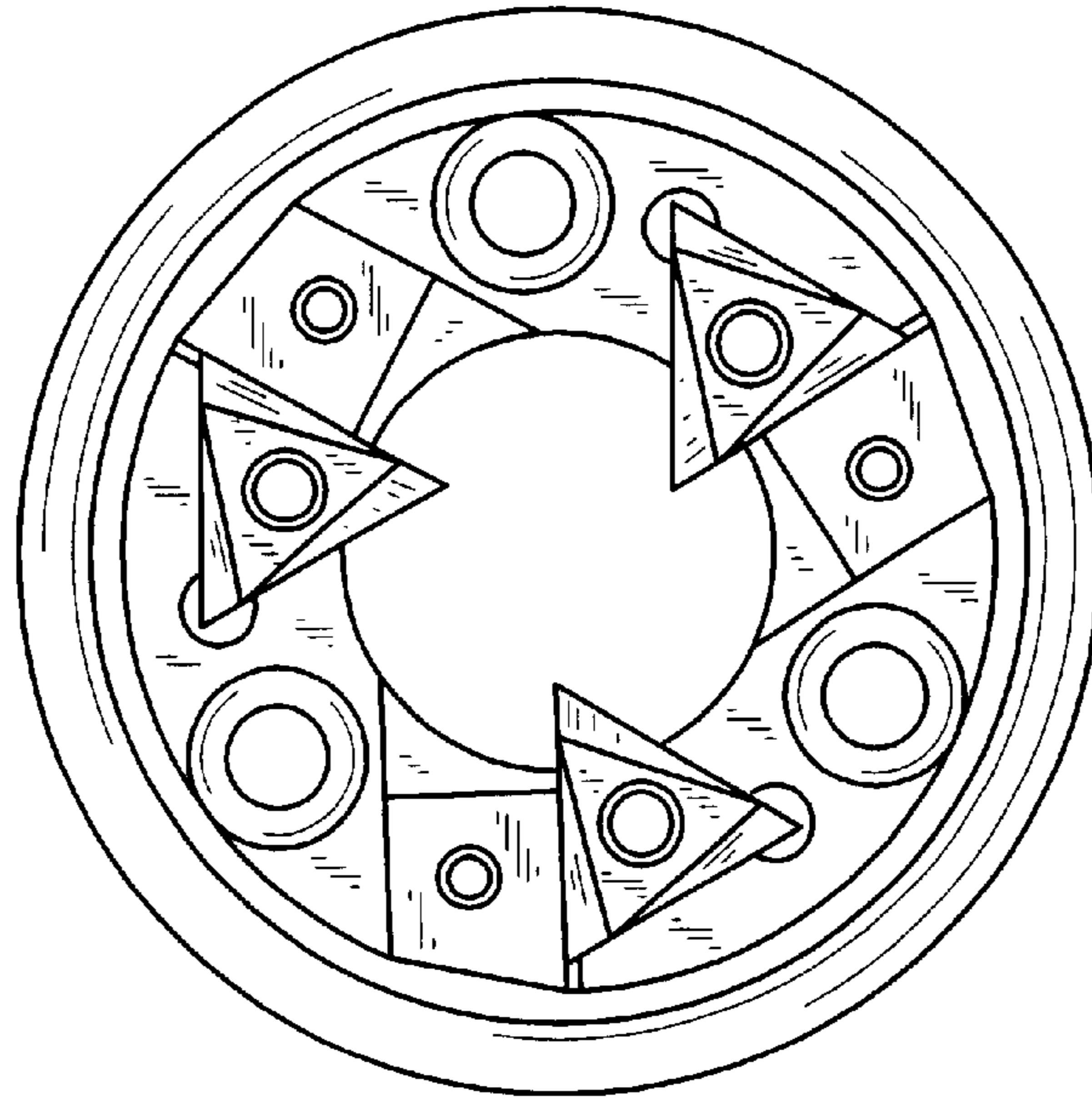


FIG. 2

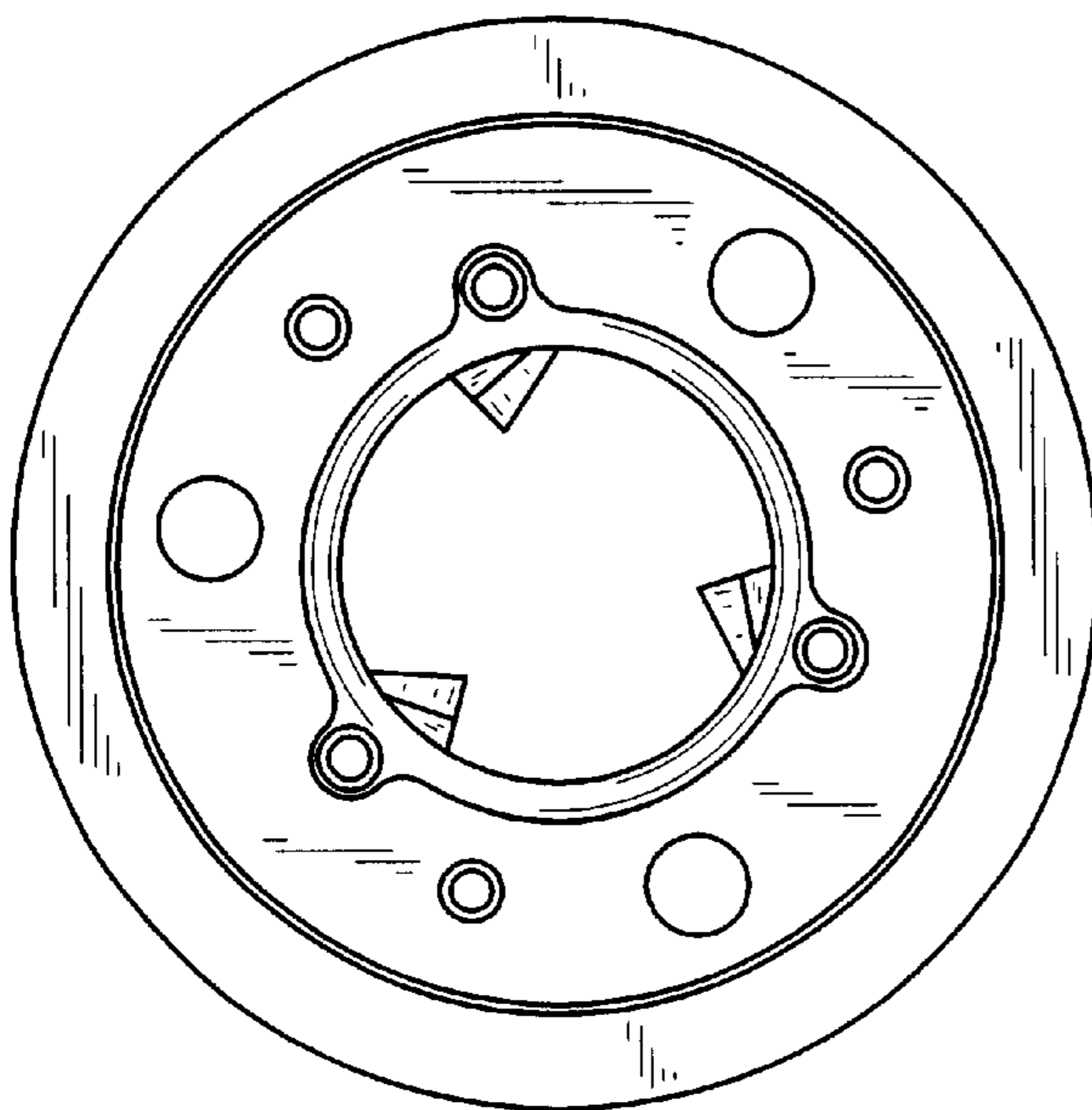


FIG. 3

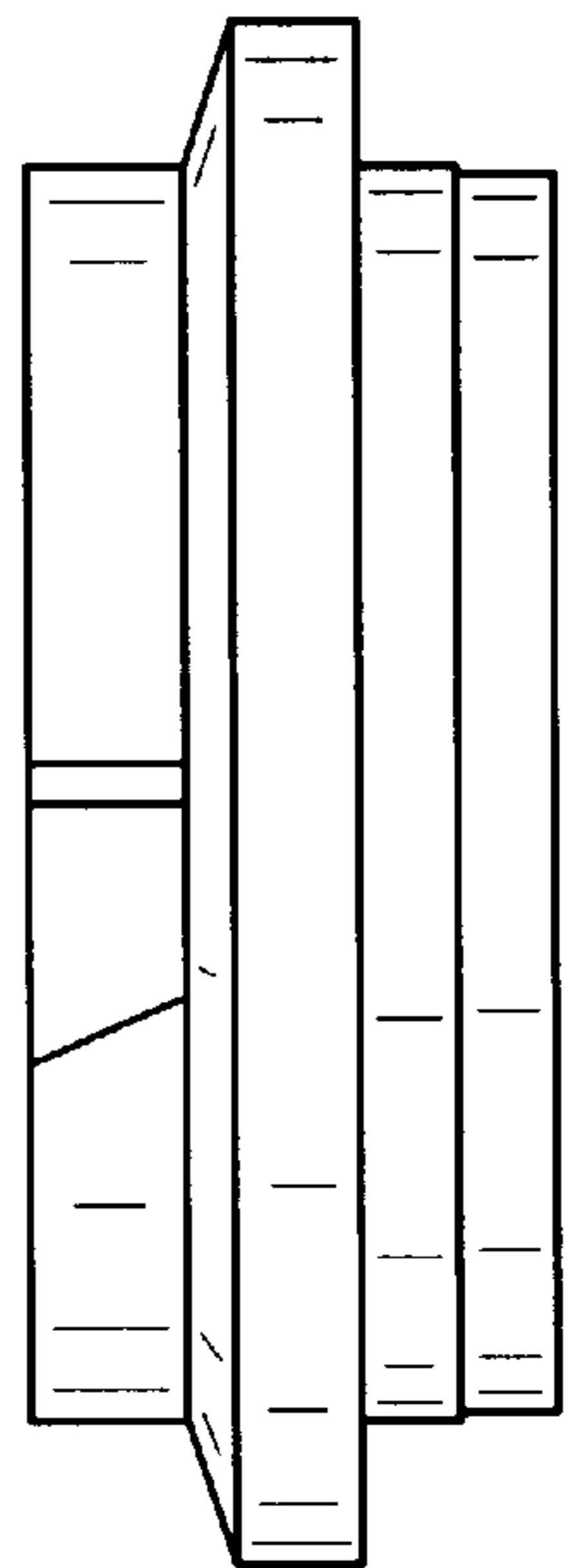


FIG. 4

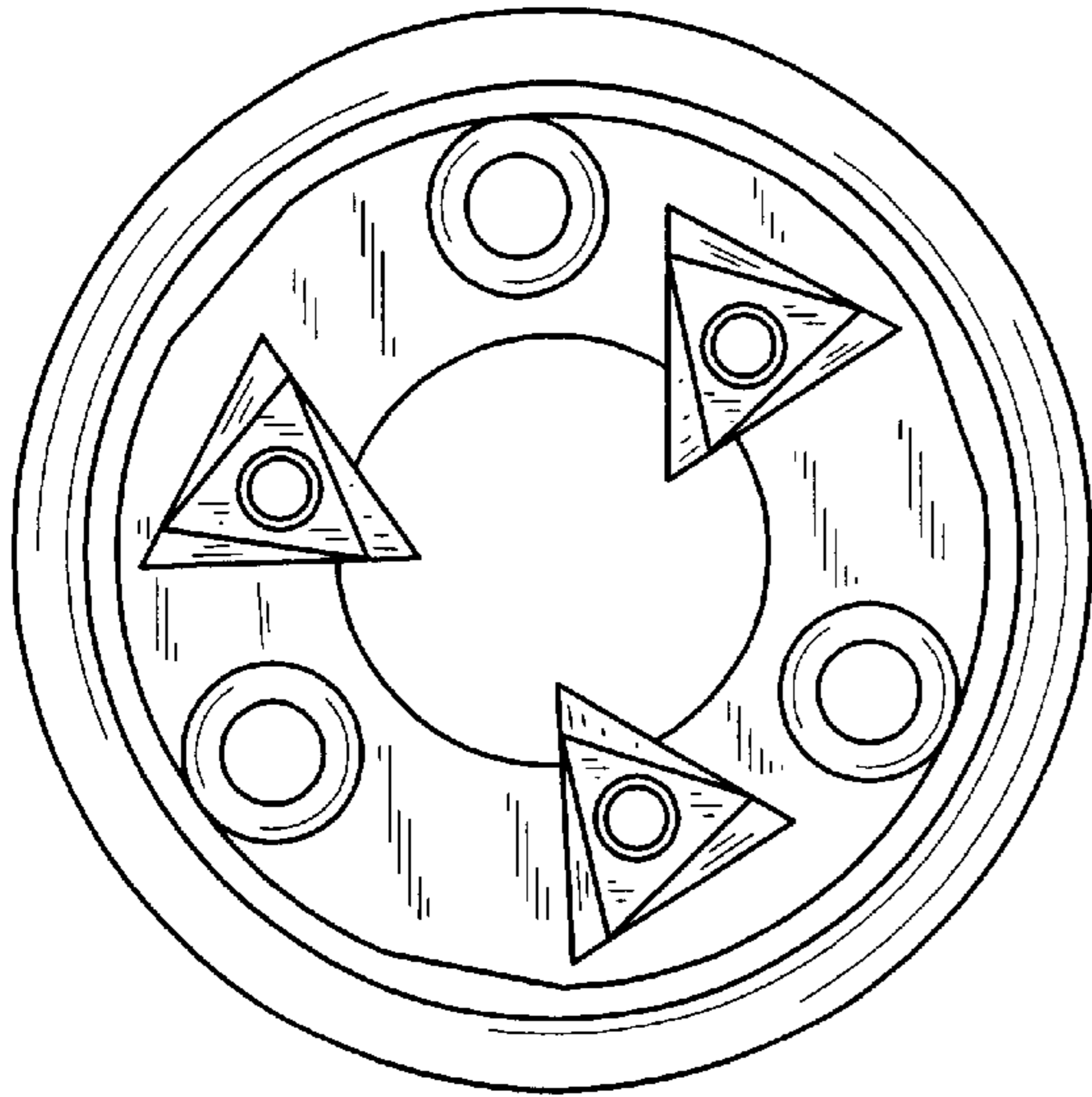


FIG. 5

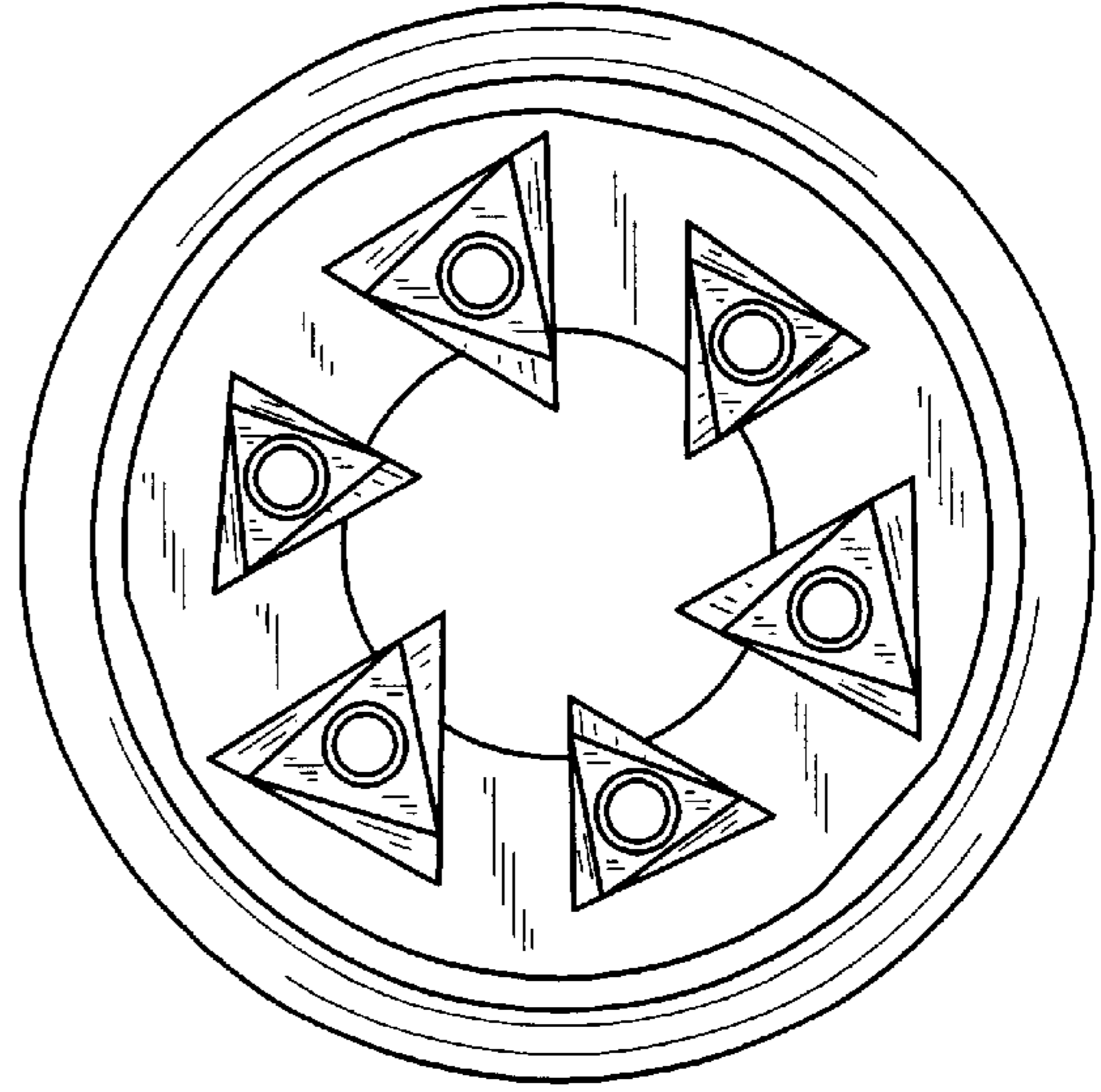


FIG. 6

