



US00D327690S

# United States Patent [19]

Ogawa et al.

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[54] **ANTENNA FOR SATELLITE COMMUNICATION SYSTEMS**

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[73] Assignee: **NEC Corporation**, Tokyo, Japan

[\*\*] Term: **14 Years**

[21] Appl. No.: **464,078**

[22] Filed: **Jan. 12, 1990**

[30] **Foreign Application Priority Data**

Jul. 13, 1989 [JP] Japan ..... 1-26062

[52] U.S. Cl. .... **D14/230; D14/231**

[58] Field of Search ..... **D14/124, 230-238, D14/299; 343/840, 872, 880, 878**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 300,531 4/1989 Higgins ..... D14/230

D. 308,521	6/1990	Lonczak	.....	D14/230
D. 320,990	10/1991	Scott et al.	.....	D14/231 X
3,045,236	7/1962	Colman et al.	.....	343/878 X
4,661,821	4/1987	Smith	.....	343/872 X
4,804,972	2/1989	Schudel	.....	343/840

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[57] **CLAIM**

The ornamental design for an antenna for satellite communication systems, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of an antenna for satellite communication systems showing our new design, the antenna being symmetrical about a vertical axis;

FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof; and,

FIG. 4 is a front and top perspective view thereof.

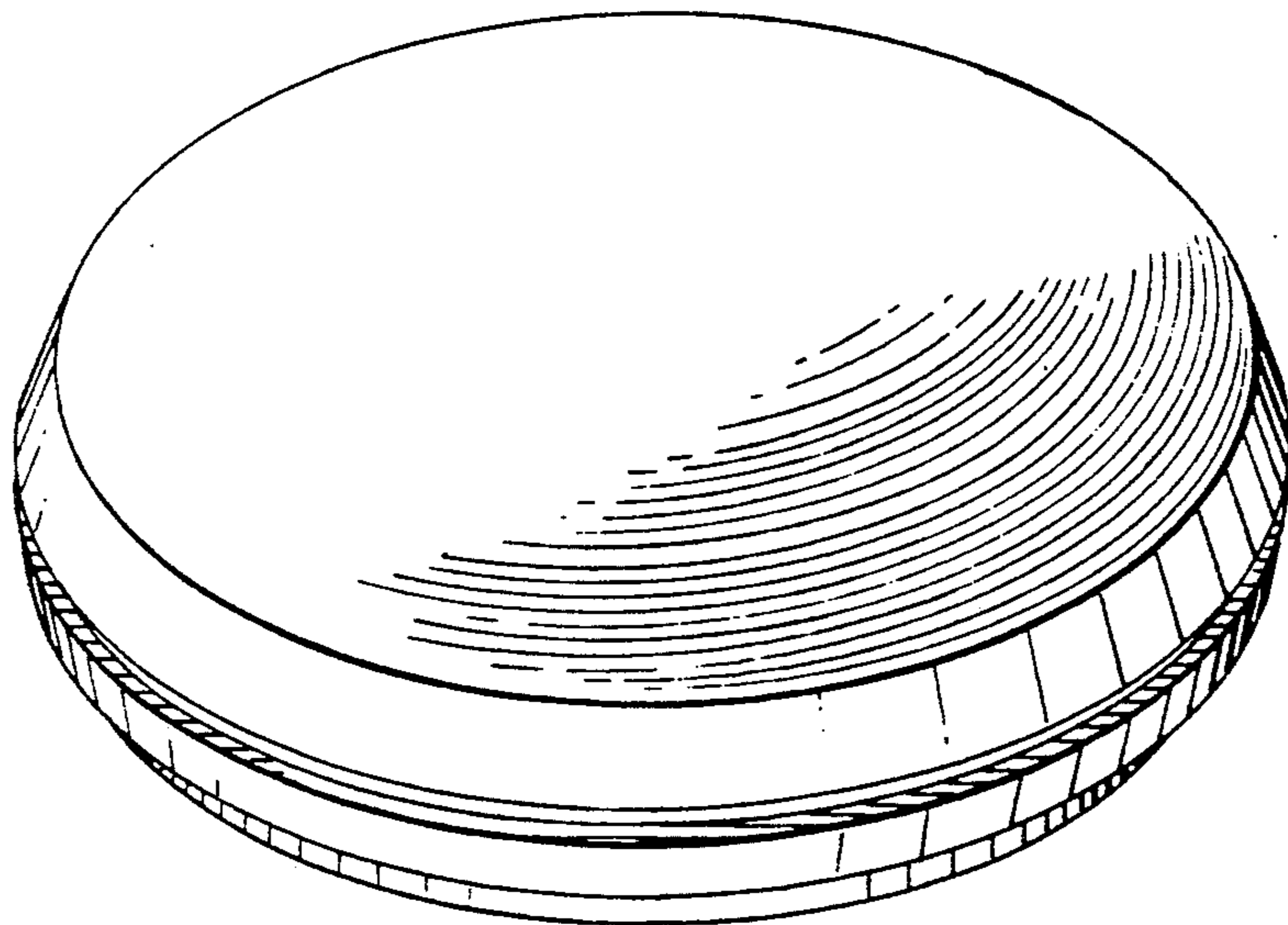
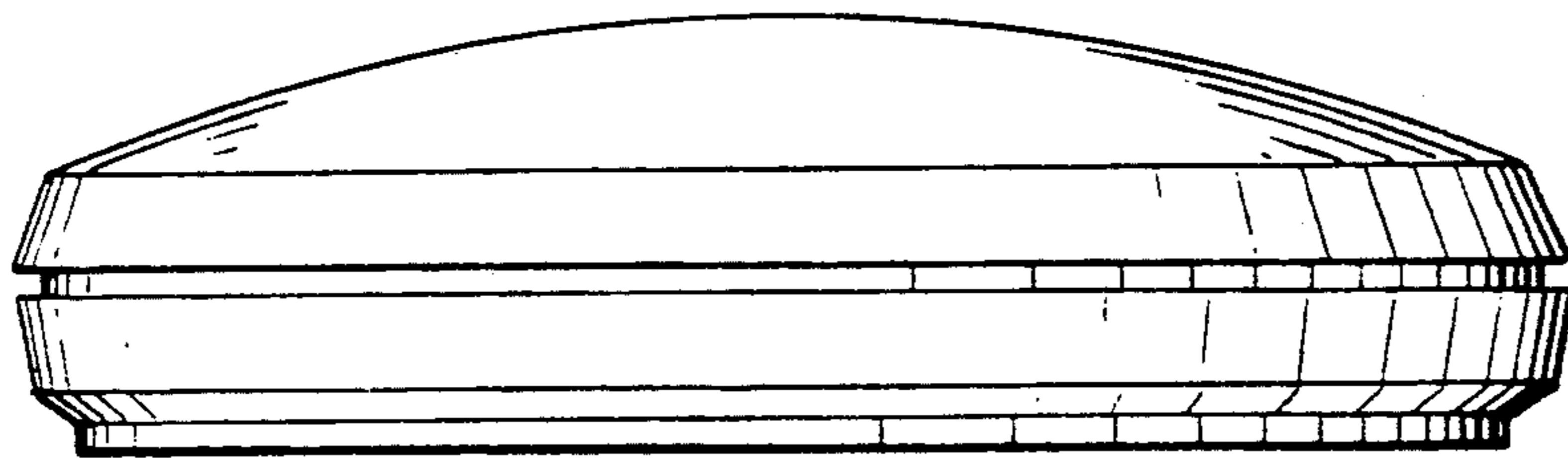


FIG. 1

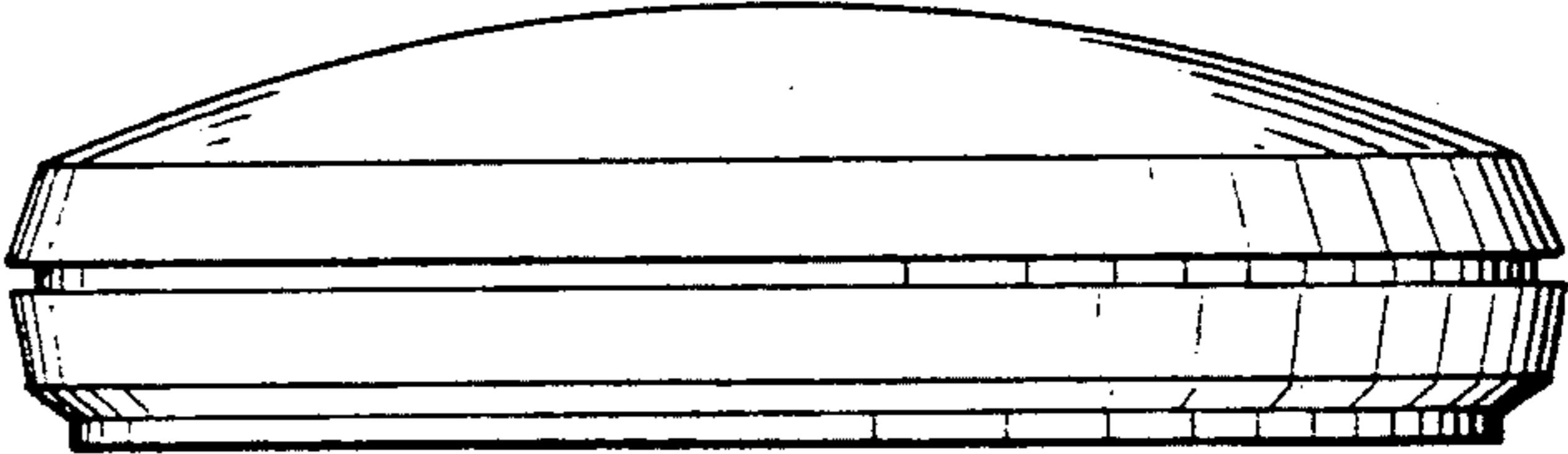


FIG. 2

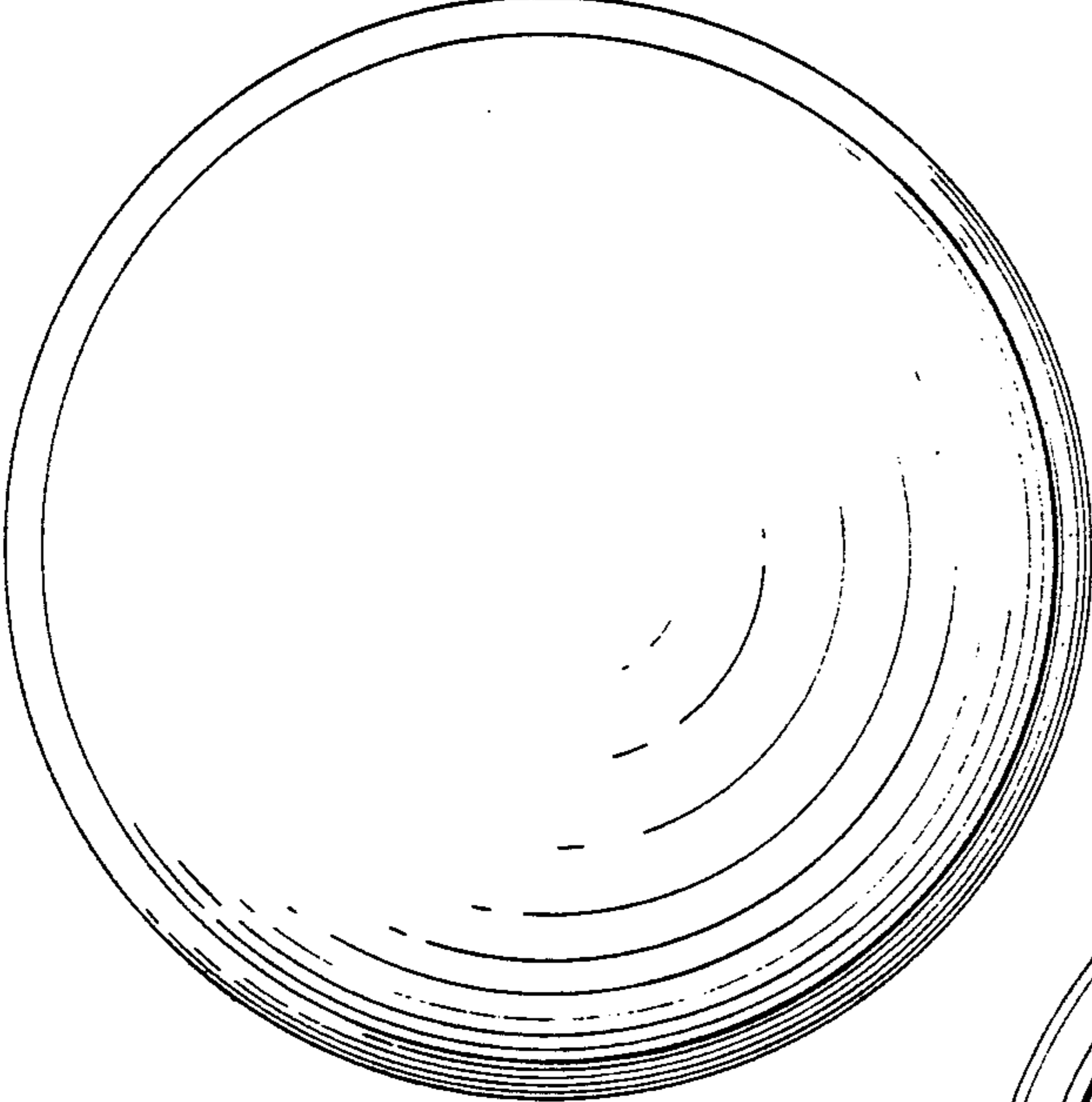


FIG. 3

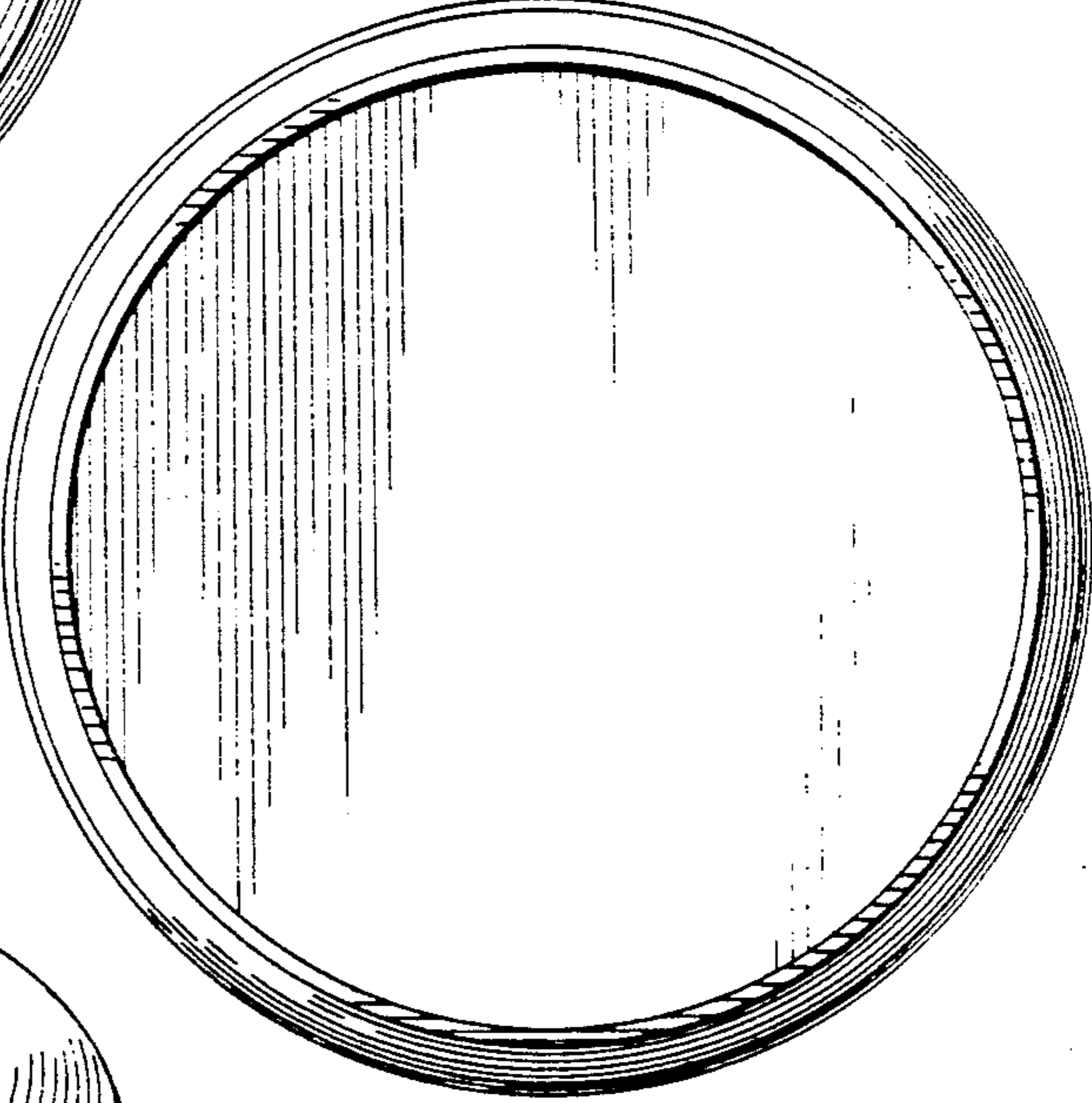


FIG. 4

