



US00D638523S

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

(10) **Patent No.:** **US D638,523 S**

(45) **Date of Patent:** **\*\* \*May 24, 2011**

(54) **SEAL RING FOR STERN TUBE**

(75) Inventors: **Hisashi Yoshida**, Toyama (JP);  
**Motofumi Inaba**, Toyama (JP); **Minoru Takayasu**, Toyama (JP)

(73) Assignee: **Wärtsilä Japan Ltd.** (JP)

(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/366,131**

(22) Filed: **Jul. 20, 2010**

(51) **LOC (9) Cl.** ..... **23-01**

(52) **U.S. Cl.** ..... **D23/269**

(58) **Field of Classification Search** ..... D23/262,  
D23/269; 277/351–359, 572, 563, 504  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,064,984	A *	11/1962	Mickle et al. ....	277/606
3,565,447	A *	2/1971	Joachim et al. ....	277/504
3,645,546	A *	2/1972	Kaufman et al. ....	277/504
4,337,956	A *	7/1982	Hopper ..... ..	277/552
4,461,487	A *	7/1984	Matsumoto ..... ..	277/359
4,478,463	A *	10/1984	Takai et al. ....	384/482
D289,078	S *	3/1987	Vassallo et al. ....	D23/269

D347,885	S *	6/1994	Gustafsson ..... ..	D23/269
D374,710	S *	10/1996	Gustafsson ..... ..	D23/269
D379,493	S *	5/1997	Woods ..... ..	D23/269
D437,034	S *	1/2001	Stout, Jr. .... ..	D23/269
D447,223	S *	8/2001	Mattsson et al. .... ..	D23/269
D515,675	S *	2/2006	Tremoulet et al. .... ..	D23/269
D534,253	S *	12/2006	Sandman et al. .... ..	D23/269
D556,867	S *	12/2007	Darce ..... ..	D23/269
2005/0035554	A1 *	2/2005	Roberts et al. .... ..	277/358
2009/0206553	A1 *	8/2009	Kanzaki ..... ..	277/351

\* cited by examiner

*Primary Examiner* — T. Chase Nelson

*Assistant Examiner* — Eric L Goodman

(74) *Attorney, Agent, or Firm* — Rossi, Kimms & McDowell LLP

(57) **CLAIM**

We claim the ornamental design for a seal ring for a stern tube, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a seal ring for a stern tube.

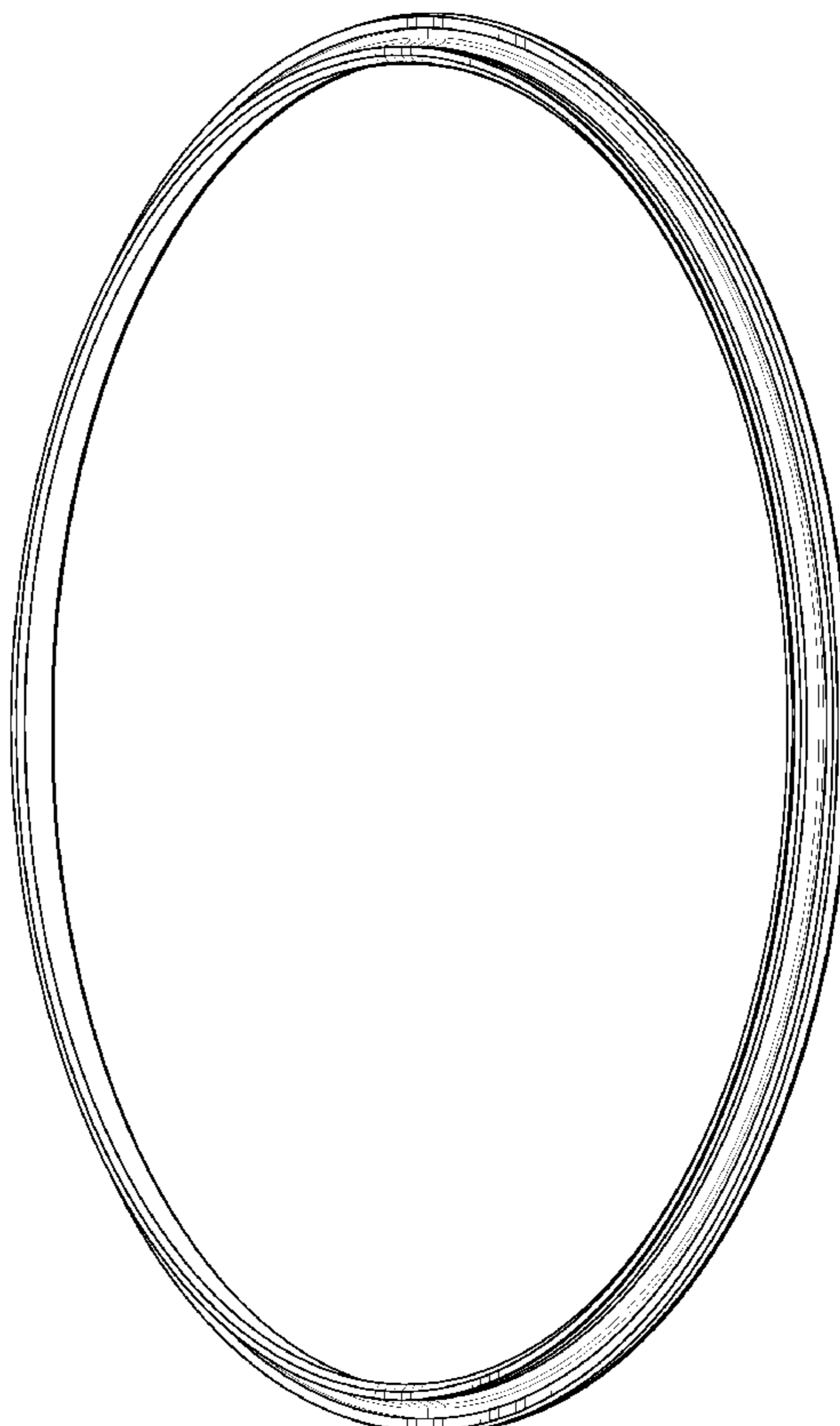
FIG. 2 is a right-side view of the seal ring, the left-side view being a mirror image of the right-side view, and the top and bottom view being identical thereto.

FIG. 3 is an enlarged cross-sectional view taken along line 3—3 of FIG. 5.

FIG. 4 is a front view of the seal ring; and,

FIG. 5 is a rear view of the seal ring.

**1 Claim, 5 Drawing Sheets**



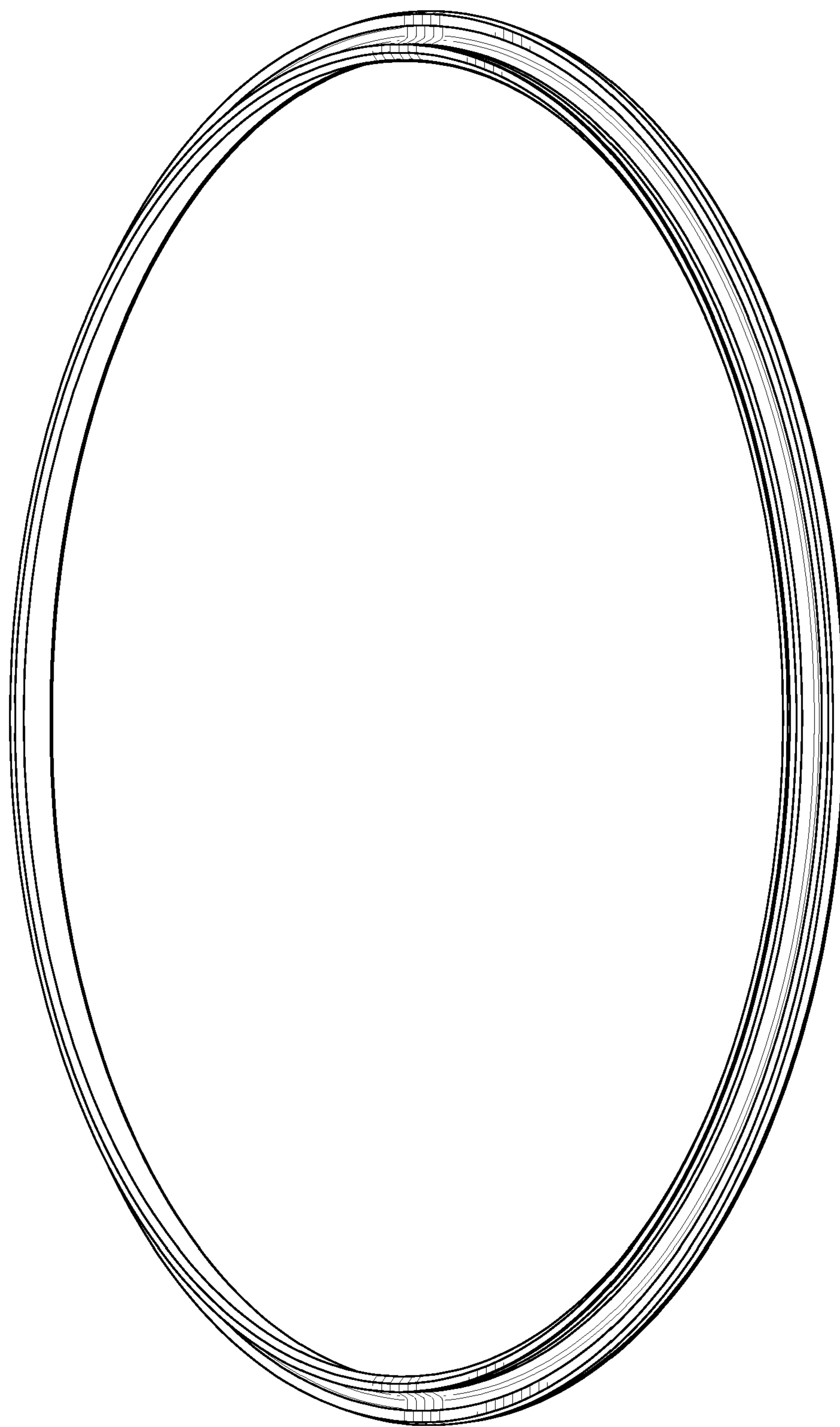


FIG. 1

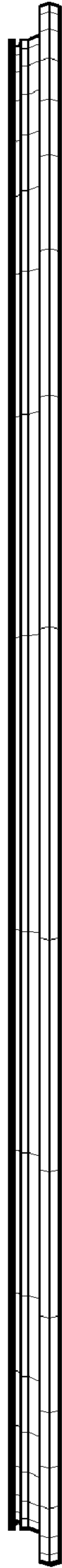


FIG. 2

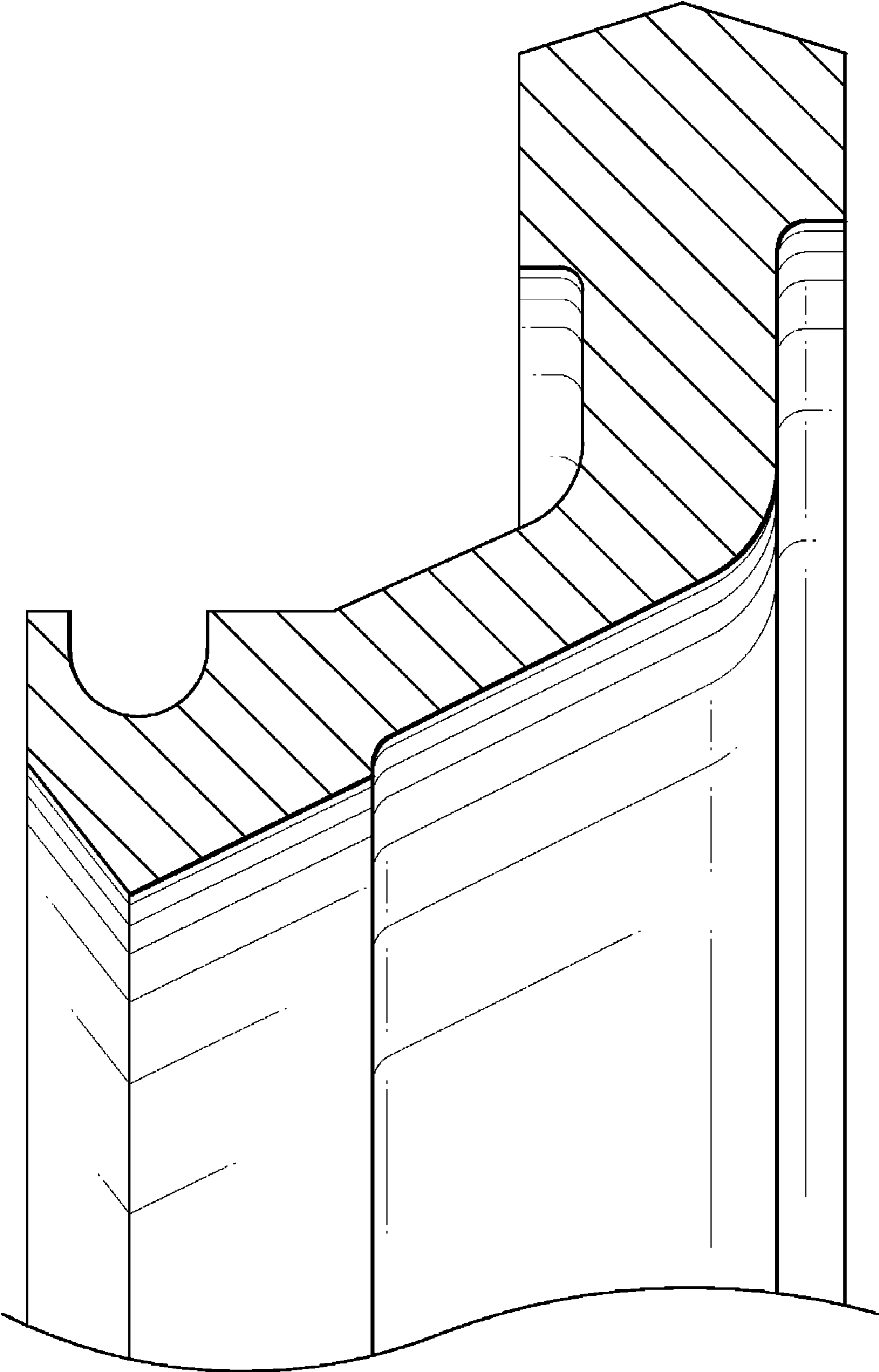


FIG. 3

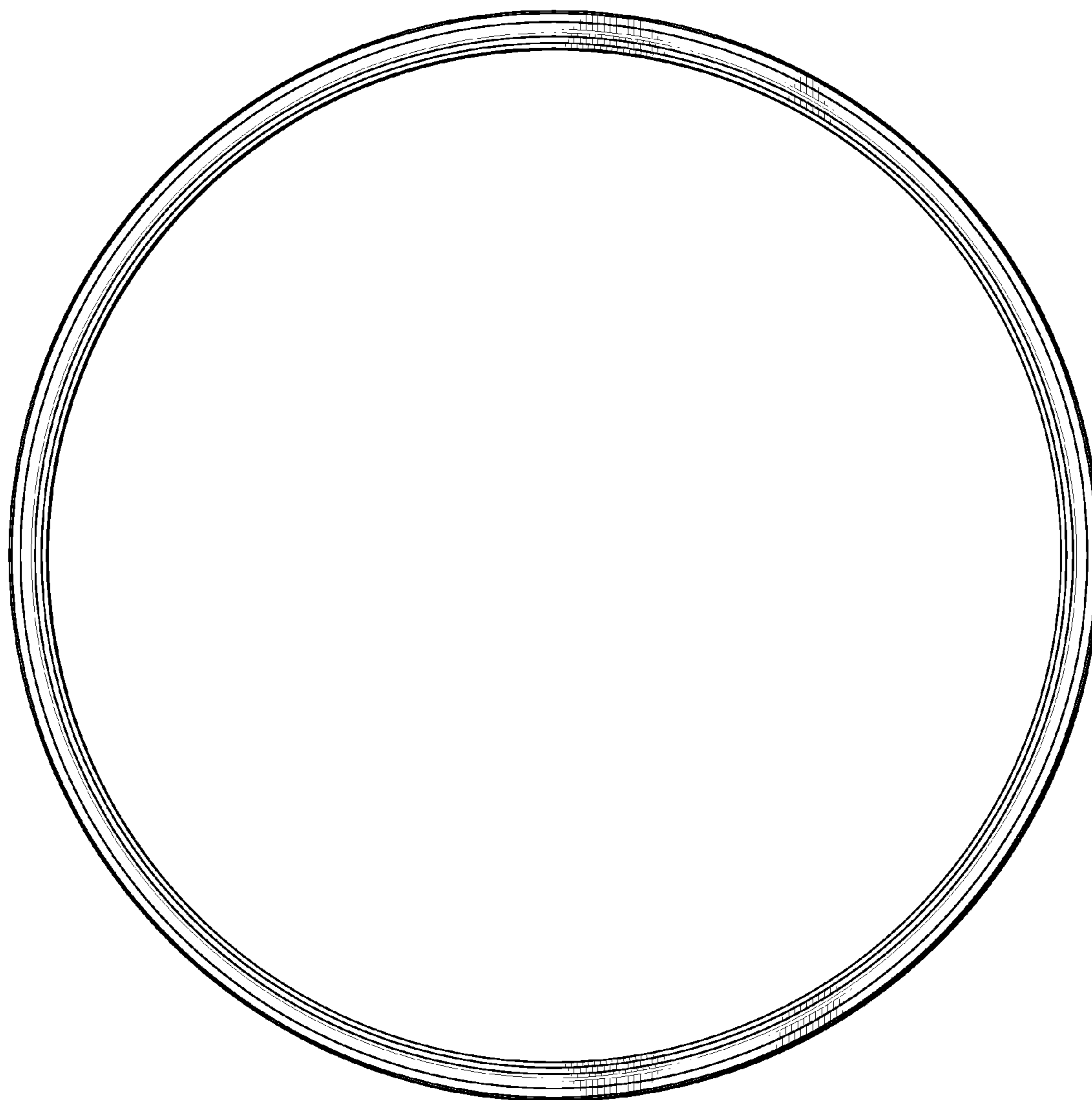


FIG. 4



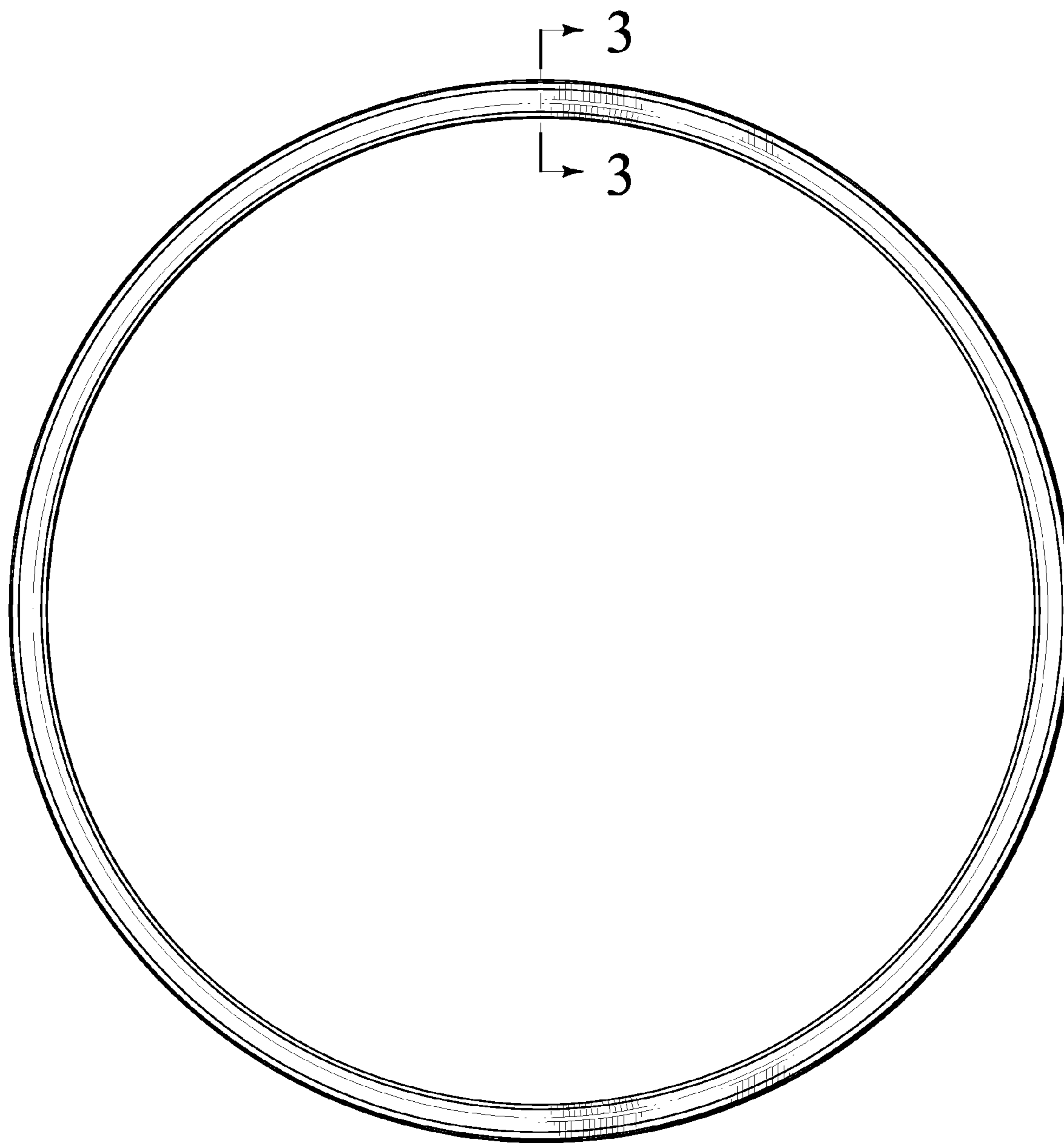


FIG. 5