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

(10) **Patent No.:** **US D633,991 S**

(45) **Date of Patent:** **** Mar. 8, 2011**

(54) **GATE VALVE SEAL**

(74) *Attorney, Agent, or Firm* — The Webb Law Firm

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(73) Assignee: **Nippon Valqua Industries, Ltd.**, Tokyo (JP)

(57) **CLAIM**

The ornamental design for a gate valve seal, as shown and described.

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

(21) Appl. No.: **29/337,562**

(22) Filed: **May 26, 2009**

(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.

DESCRIPTION

(56) **References Cited**

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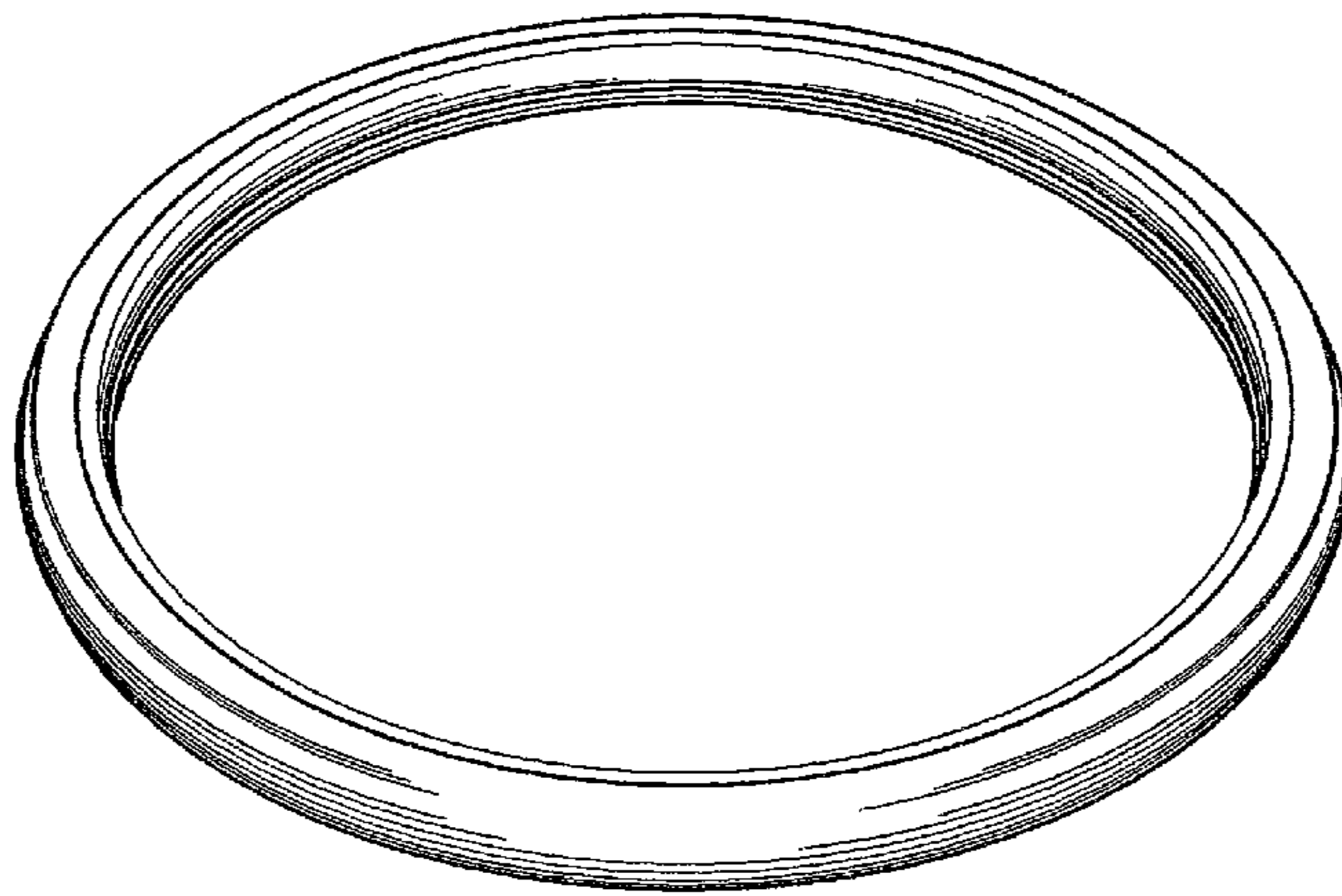
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(Continued)

Primary Examiner — T. Chase Nelson
Assistant Examiner — Eric L. Goodman

FIG. 1 is a perspective view of a gate valve seal, in accordance with a first embodiment of the present invention;
 FIG. 2 is a top plan view of the gate valve seal shown in FIG. 1, wherein the bottom plan view is identical to the top plan view;
 FIG. 3 is a front plan view of the gate valve seal shown in FIG. 1, wherein the rear and side plan views are identical to the front plan view;
 FIG. 4 is a cross-sectional view of the gate valve seal shown in FIG. 1, taken along the line 4—4 in FIG. 2;
 FIG. 5 is a close-up view of detail 5 shown in FIG. 4;
 FIG. 6 is a perspective view of a gate valve seal, in accordance with a second embodiment of the present invention;
 FIG. 7 is a top plan view of the gate valve seal shown in FIG. 6, wherein the bottom plan view is identical to the top plan view;
 FIG. 8 is a front plan view of the gate valve seal shown in FIG. 6, wherein the rear and side plan views are identical to the front plan view;
 FIG. 9 is a cross-sectional view of the gate valve seal of FIG. 6, taken along the line 9—9 in FIG. 7; and,
 FIG. 10 is a close-up view of detail 10 shown in FIG. 9.
 Each embodiment of the present design has a uniform cross-section when taken at any point around the circumference of the seal.
 The cross hatching shown in the cross-sectional views is included to designate the material of the seal in accordance with United States patent drawing conventions, and forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



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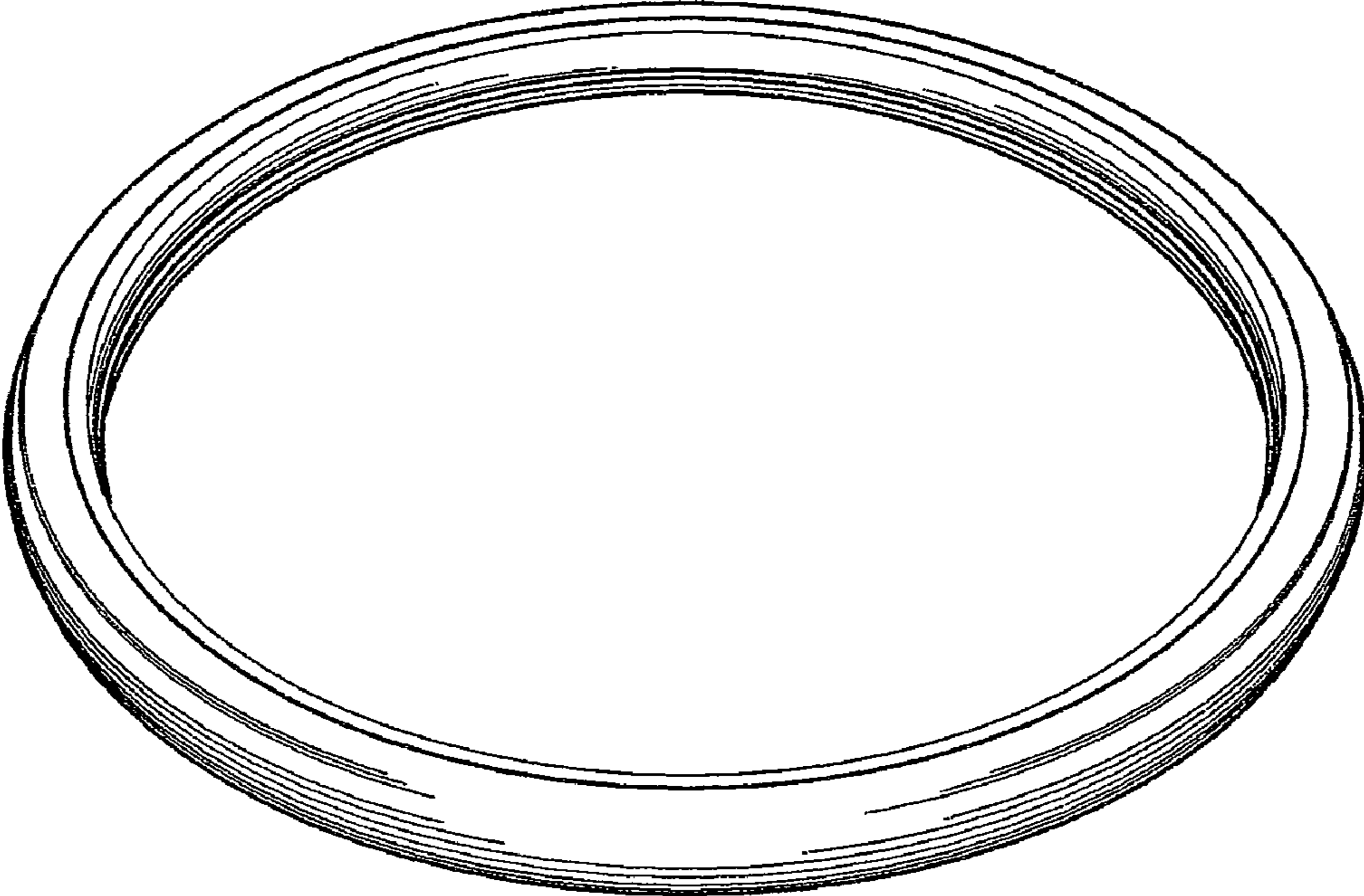


FIG. 1

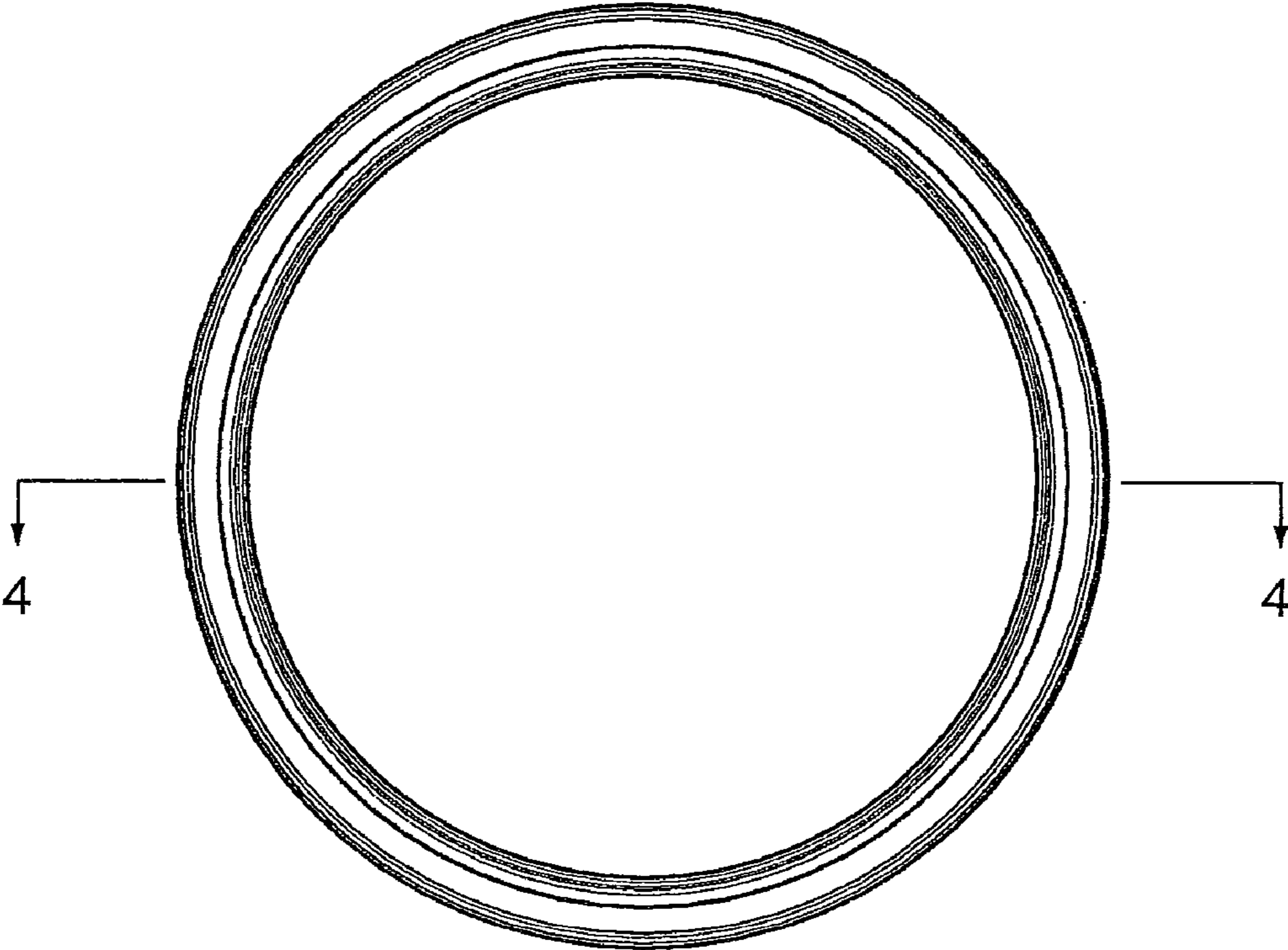


FIG. 2

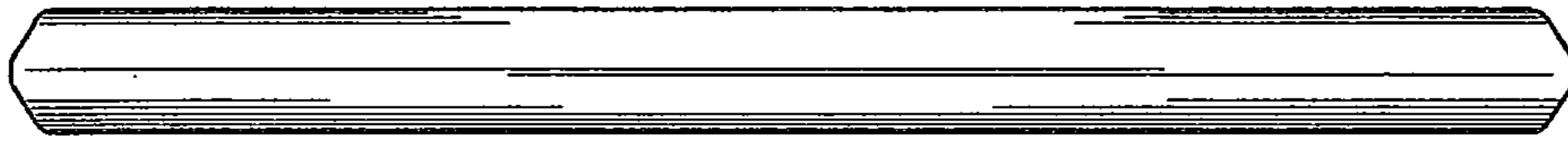


FIG. 3

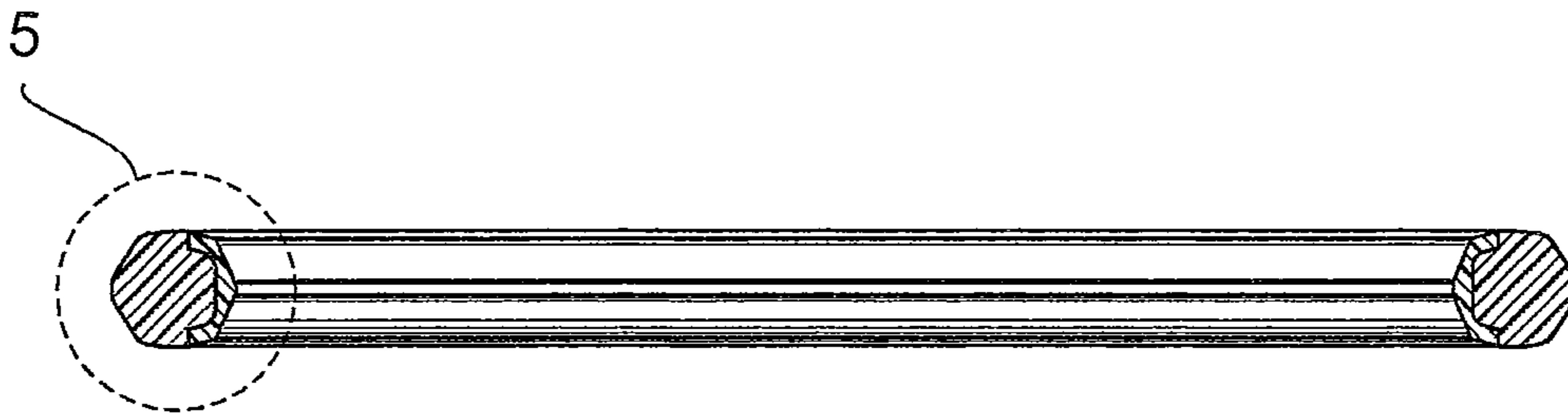


FIG. 4

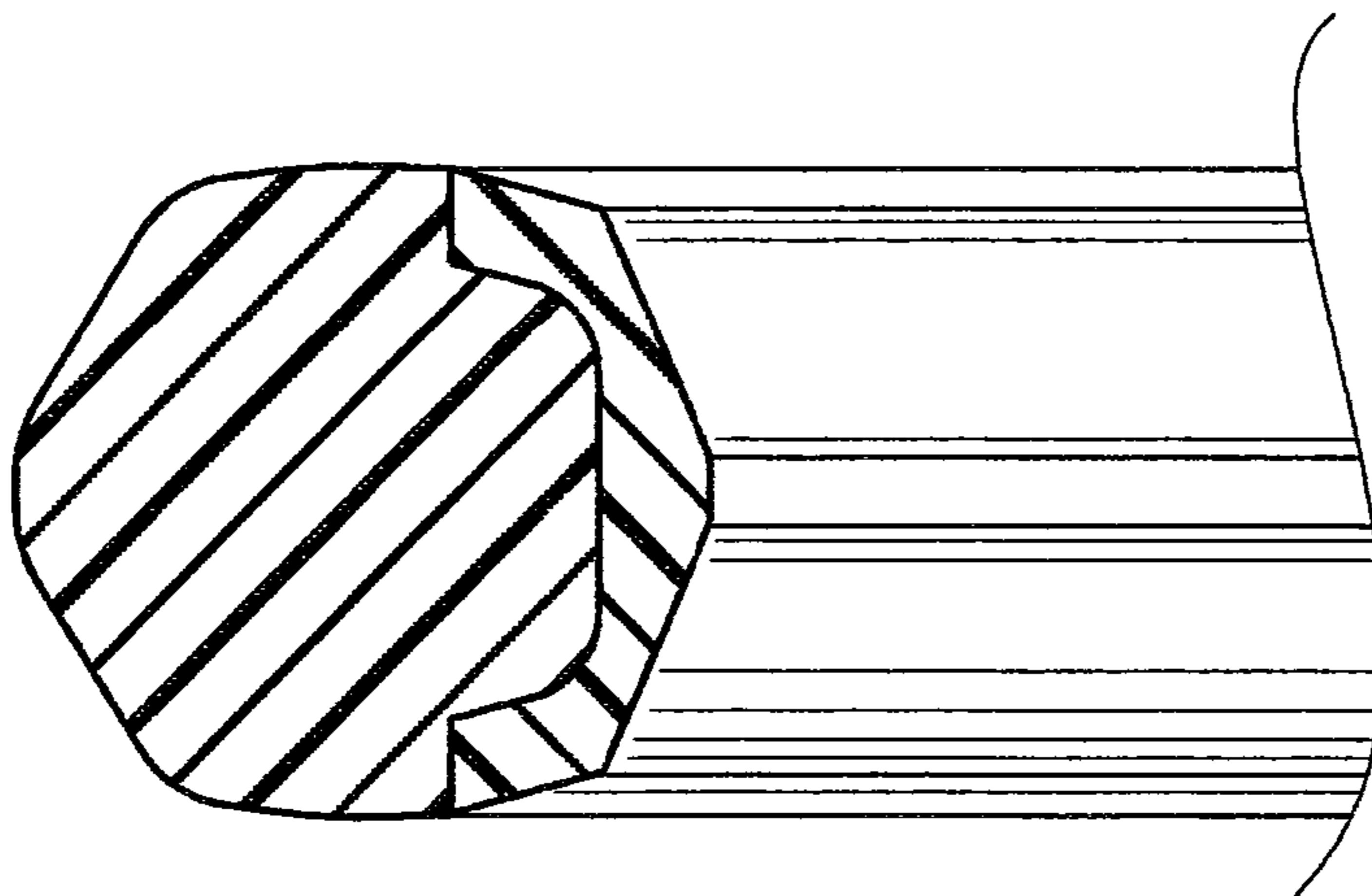


FIG. 5

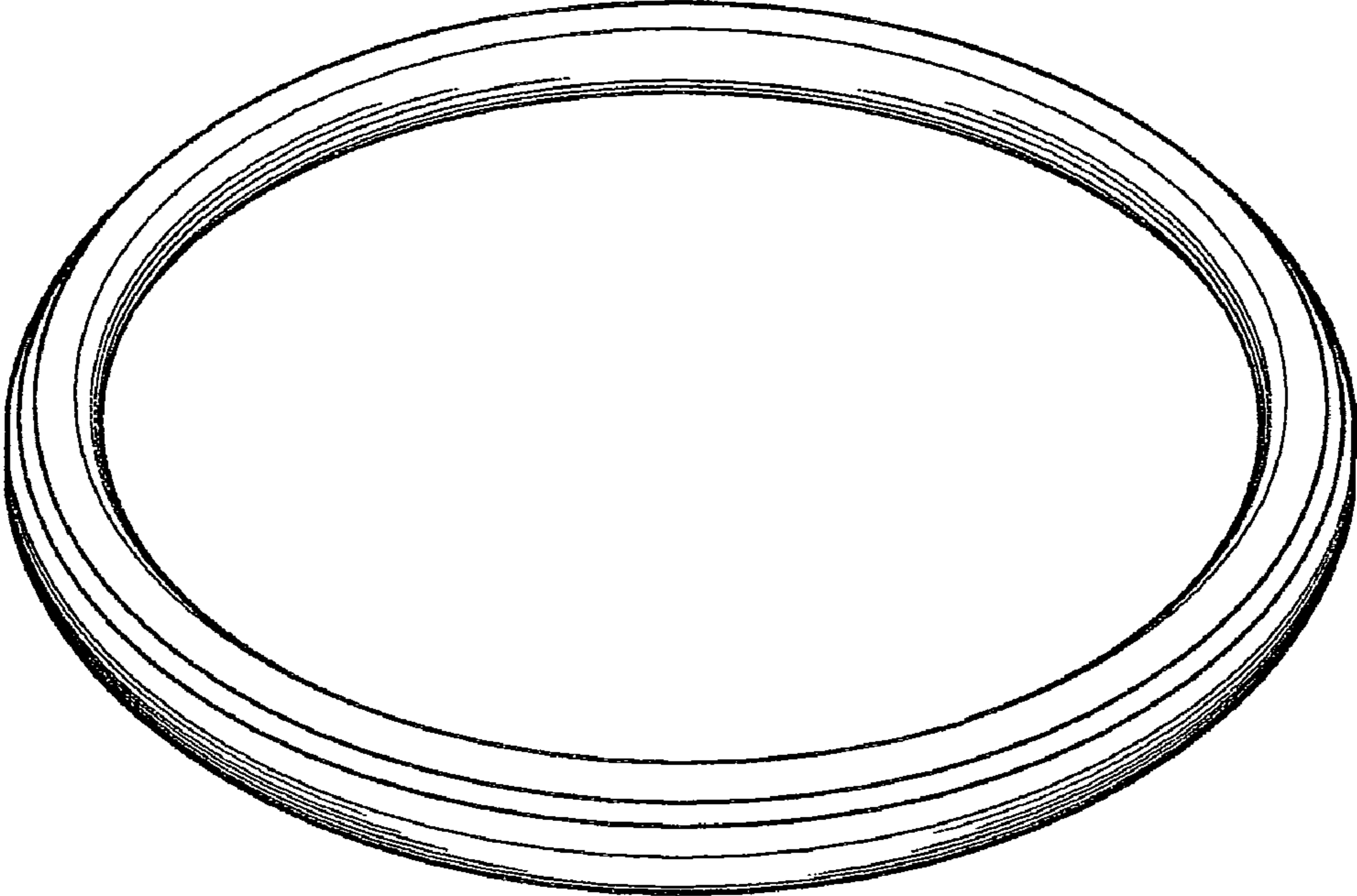


FIG. 6

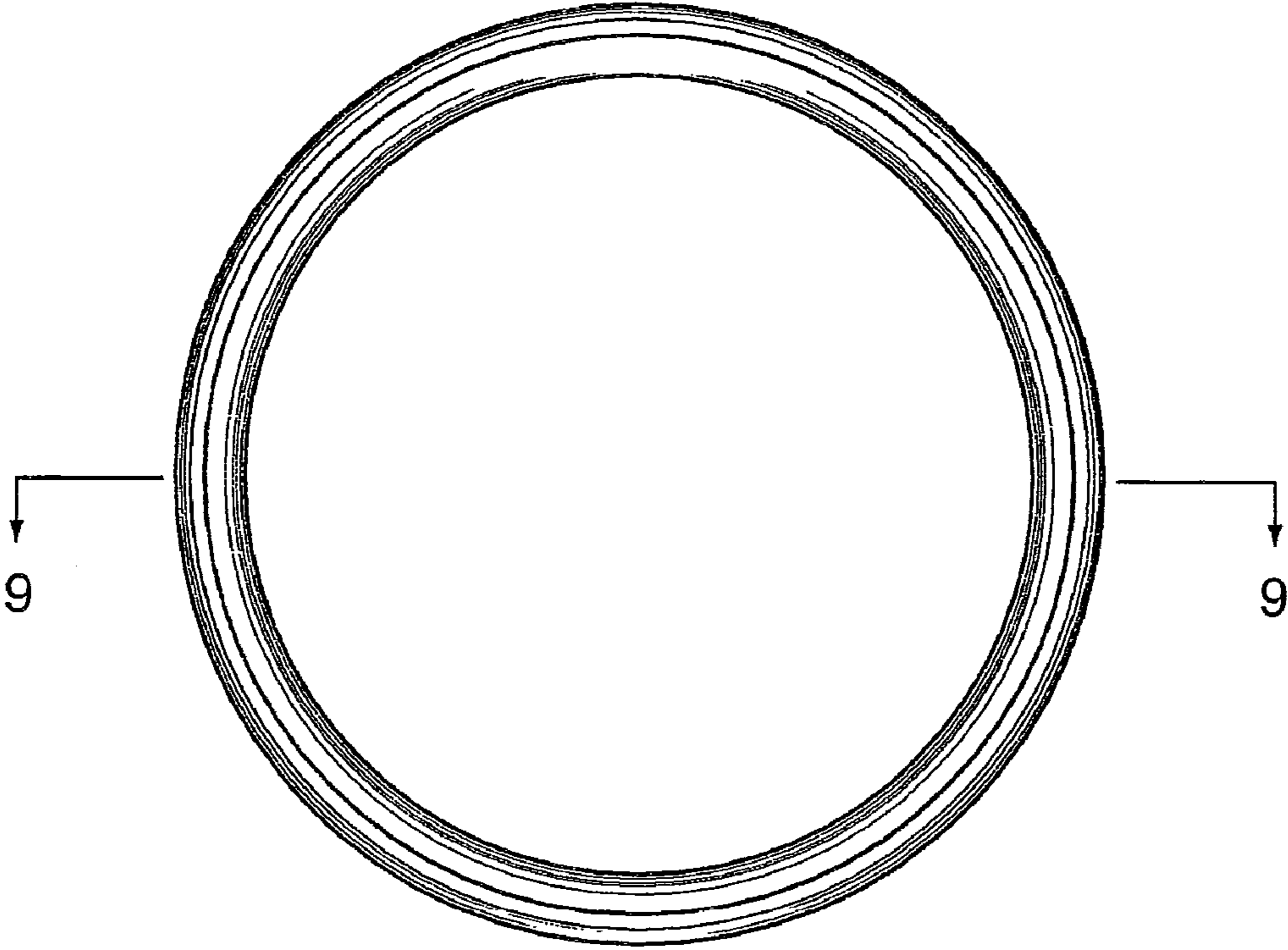


FIG. 7

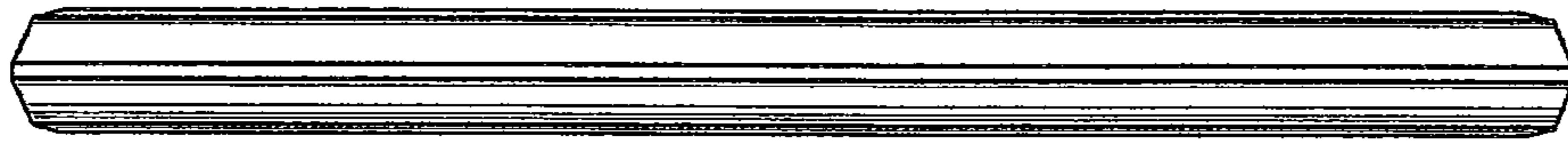


FIG. 8

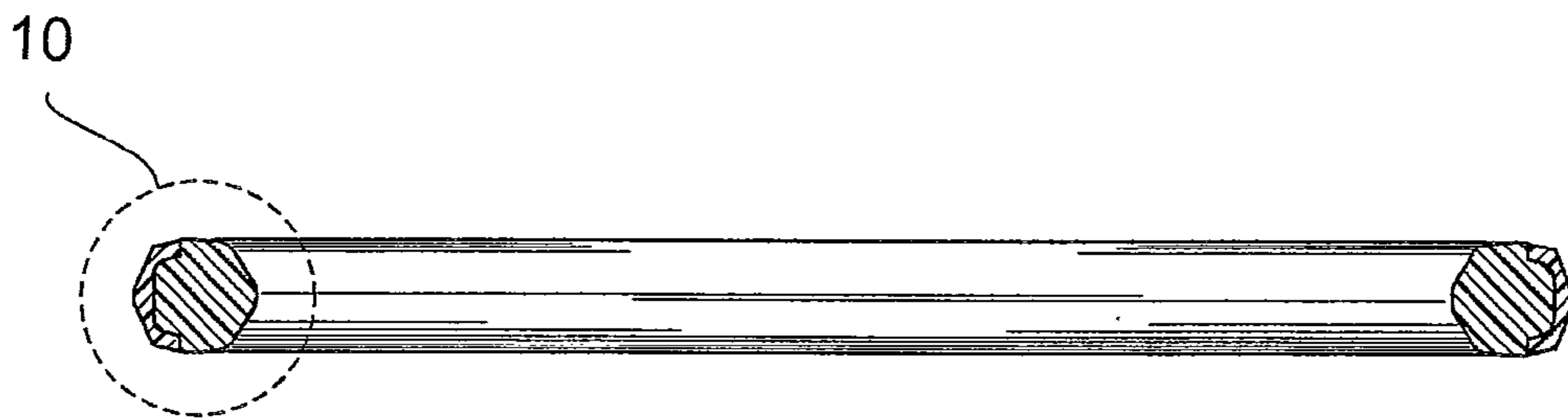


FIG. 9

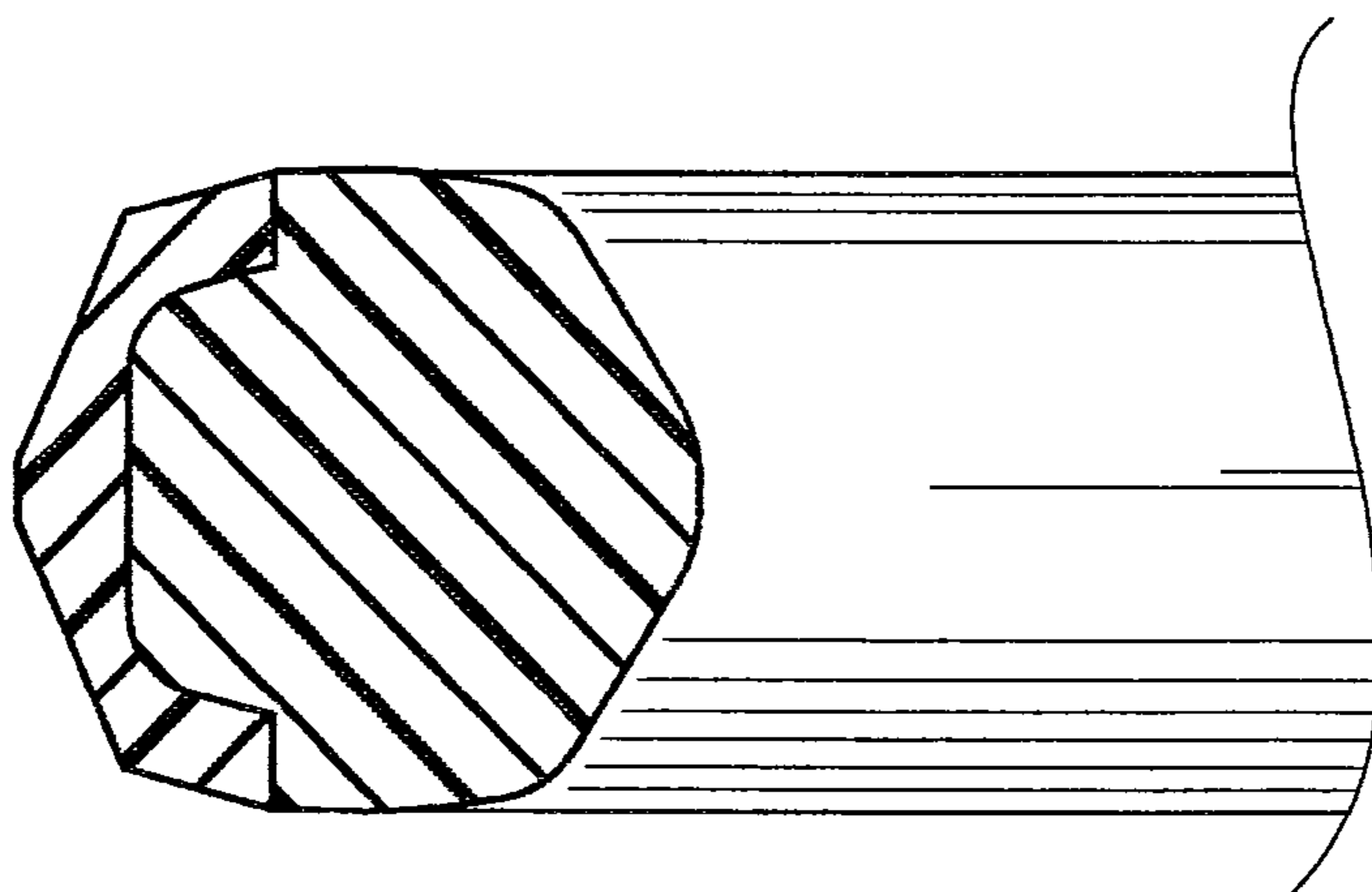


FIG. 10

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D633,991 S
APPLICATION NO. : 29/337562
DATED : March 8, 2011
INVENTOR(S) : Nakagawa

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, insert the following:

-- (30) **Foreign Application Priority Data**
Nov. 26, 2008 (JP)2008-030270
Nov. 26, 2008 (JP)2008-030271 --

Signed and Sealed this
Seventeenth Day of May, 2011



David J. Kappos
Director of the United States Patent and Trademark Office