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(12) United States Design Patent

Muramatsu

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(54) **HYBRID SEAL MEMBER**

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

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (9) Cl.** **23-01**
(52) **U.S. Cl.** **D23/269**
(58) **Field of Classification Search** ..... D13/133, D13/148, 154, 184, 199; D23/200, 211.1, D23/259, 262, 269; 174/23 R, 31.5, 50.52, 174/59, 60, 64, 520, 539, 554, 650; 277/301, 277/304, 310, 311, 351, 597, 907–910, 913, 277/926–927, 930
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,550,983	A *	8/1925	Pratt	474/252
3,660,192	A *	5/1972	Smith et al.	156/155
6,341,782	B1 *	1/2002	Etsion	277/399
D534,253	S *	12/2006	Sandman et al.	D23/269

(Continued)

FOREIGN PATENT DOCUMENTS

JP	11201288	A	7/1999
JP	1272633	S	6/2006
JP	1361604	S	11/2008
JP	1361605	S	11/2008

(Continued)

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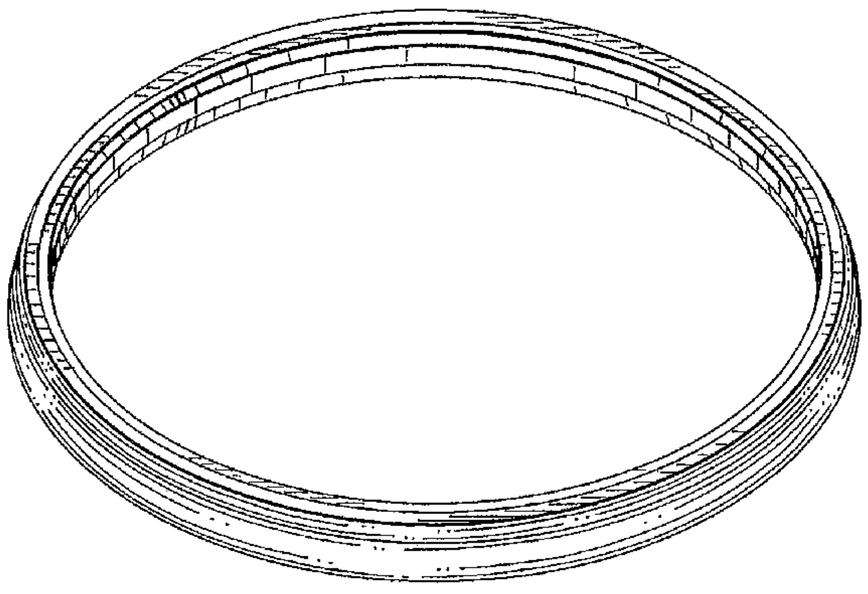
(57) **CLAIM**

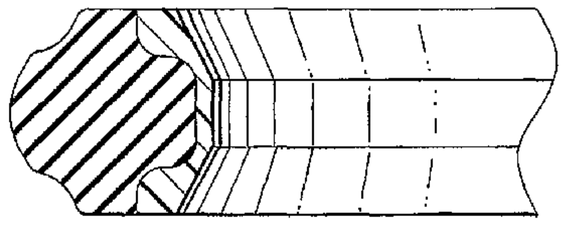
The ornamental design for a hybrid seal member, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a hybrid seal member in an assembled position, with the first portion disposed on the outer side of the seal, and the second portion disposed on the inner side of the seal, showing my new design;
FIG. **2** is a front elevation view thereof, with the rear elevation view being identical thereto;
FIG. **3** is a right side elevation view thereof, with the left side elevation view being identical thereto;
FIG. **4** is a top plan view thereof, with the bottom plan view being identical thereto;
FIG. **5** is a cross-sectional view thereof, taken along lines "I-I" of FIG. **4**;
FIG. **6** is a front elevation view of the first portion of a hybrid seal member, with the rear elevation view being identical thereto;
FIG. **7** is a right side elevation view thereof, with the left side elevation view being identical thereto;
FIG. **8** is a top plan view thereof, with the bottom plan view being identical thereto;
FIG. **9** is a cross-sectional view thereof, taken along lines "III-III" of FIG. **8**;
FIG. **10** is a front elevation view of the second portion of the hybrid seal member, with the rear elevation view being identical thereto;
FIG. **11** is a right side elevation view thereof, with the left side elevation view being identical thereto;
FIG. **12** is a top plan view thereof, with the bottom plan view being identical thereto;
FIG. **13** is a cross-sectional view thereof, taken along lines "IV-IV" of FIG. **12**; and,
FIG. **14** is an enlarge sectional view of area "II" of FIG. **5**.

1 Claim, 6 Drawing Sheets





U.S. PATENT DOCUMENTS

7,299,941	B2	11/2007	McMahon, III et al.	
D561,877	S	2/2008	Hopkins et al.	
D633,991	S *	3/2011	Nakagawa	D23/269
D638,523	S *	5/2011	Yoshida et al.	D23/269
2010/0164177	A1 *	7/2010	Zheng et al.	277/355
2011/0008604	A1 *	1/2011	Boylan	428/220

FOREIGN PATENT DOCUMENTS

TW	319758	B	3/1993
TW	123319	S	5/1996
TW	253730		12/2004
TW	265252	B	11/2006

* cited by examiner

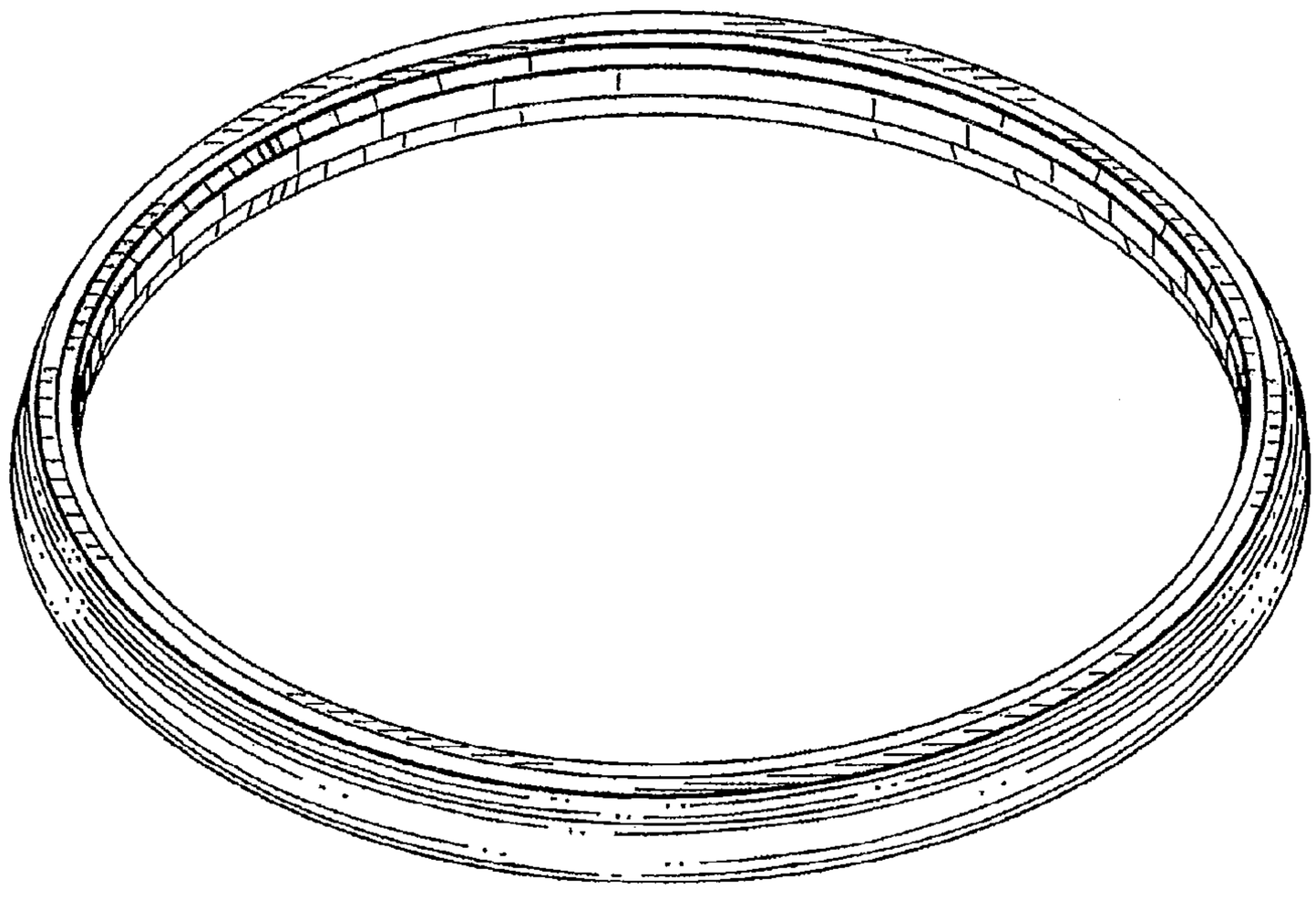


FIG.1

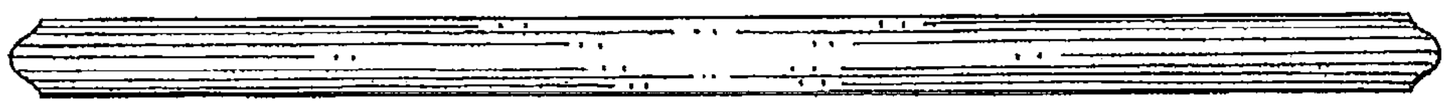


FIG.2

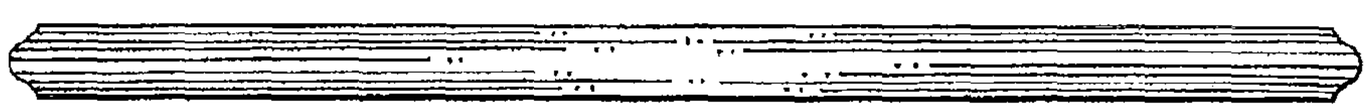


FIG.3

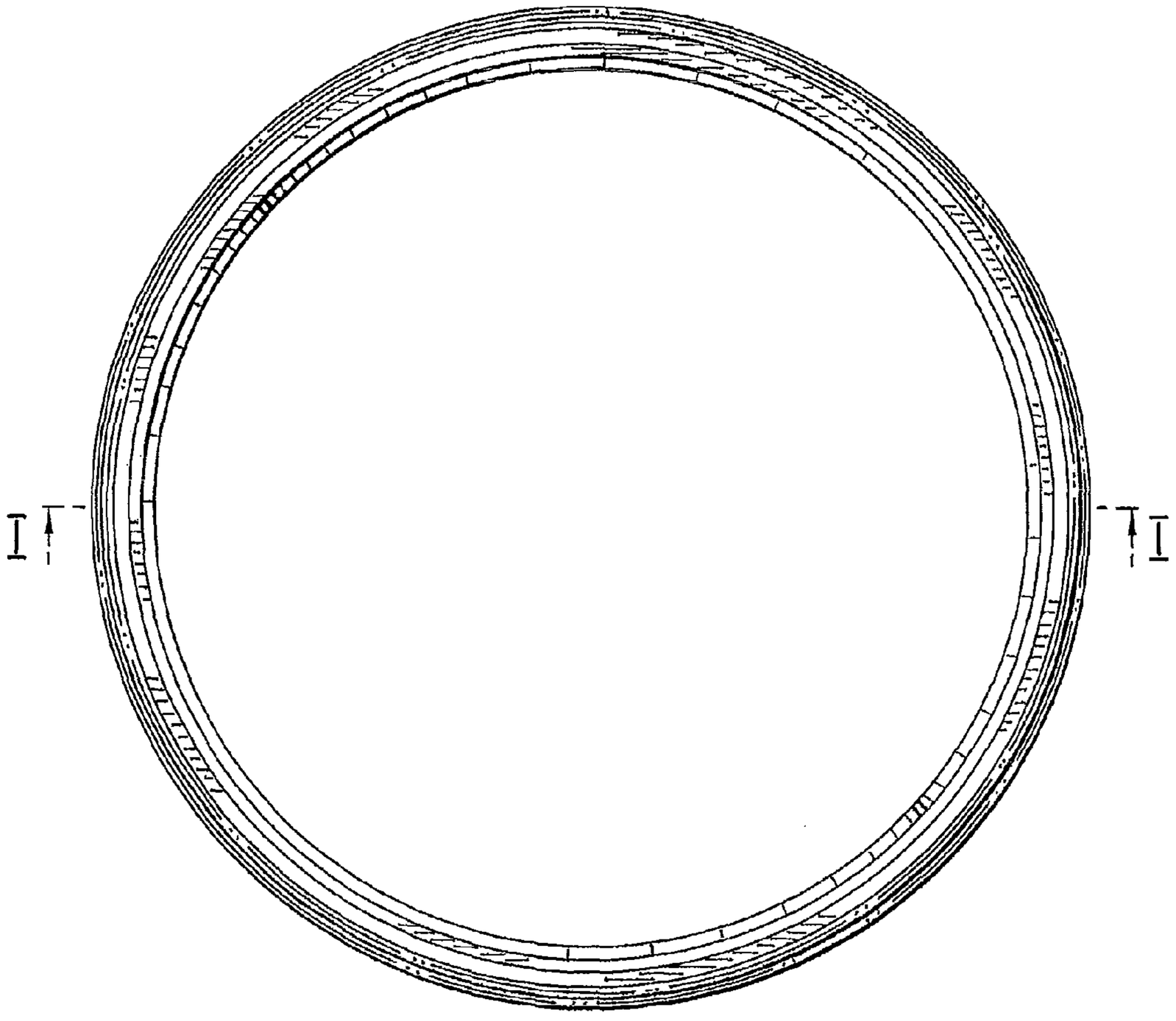


FIG.4

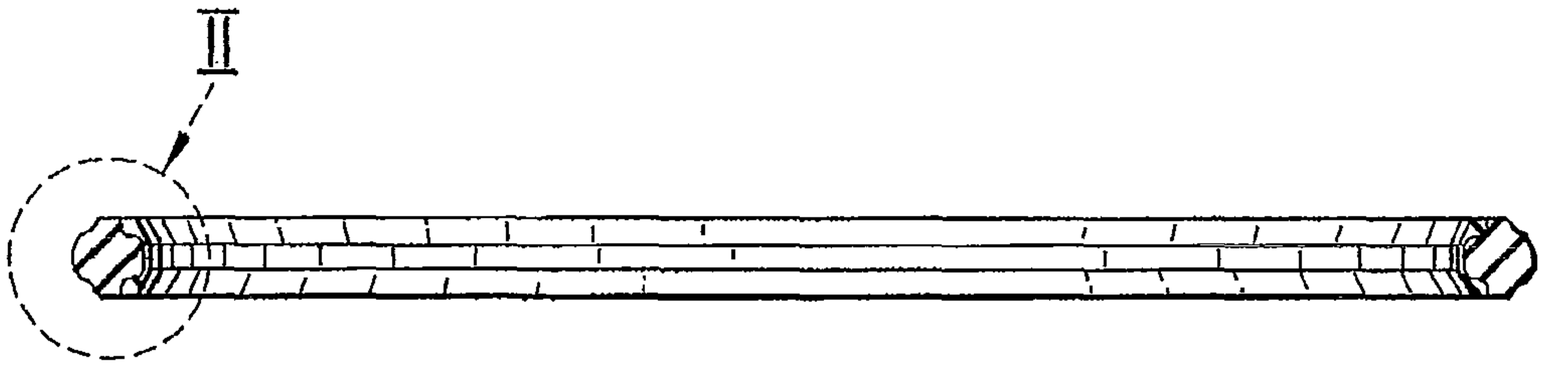


FIG.5

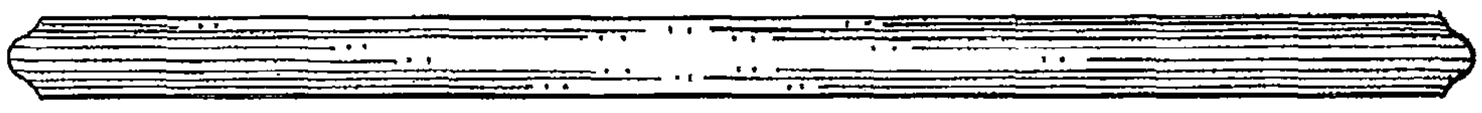


FIG.6

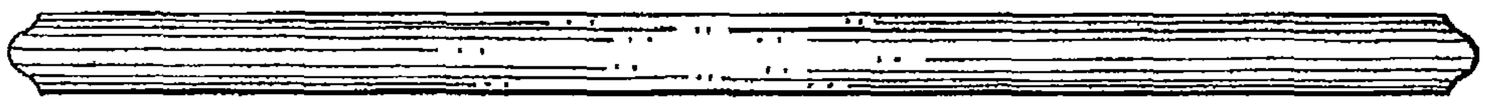


FIG.7

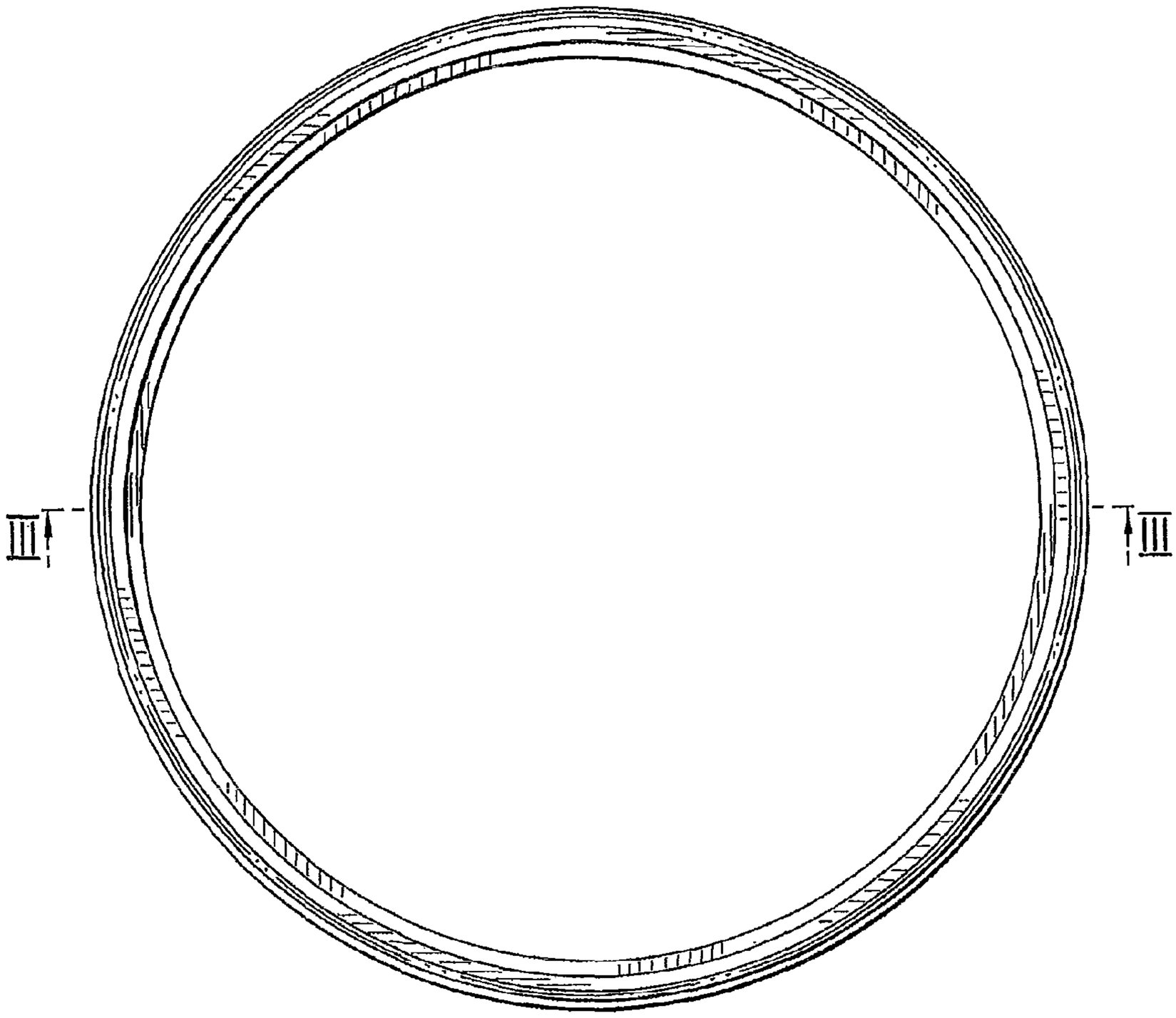


FIG.8

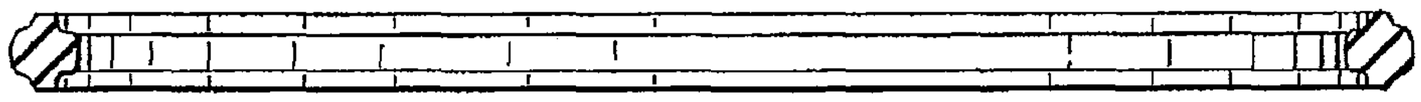


FIG.9

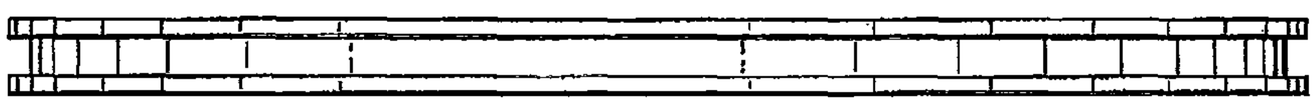


FIG. 10

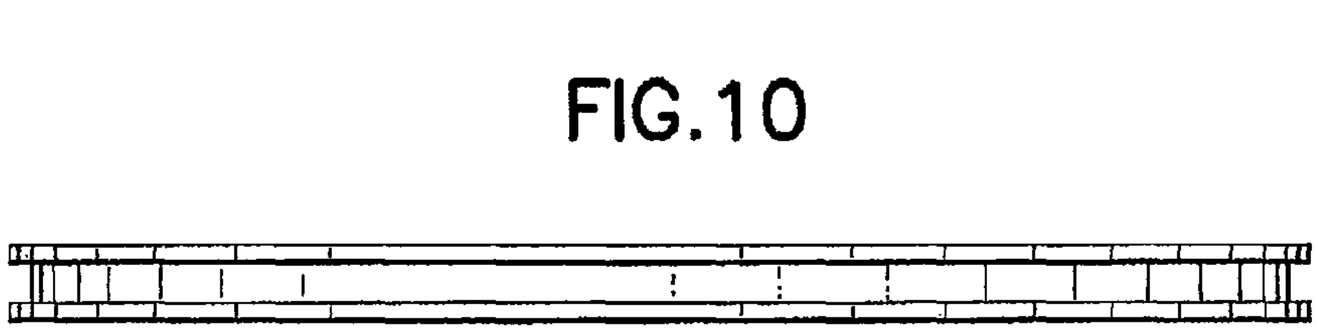


FIG. 11

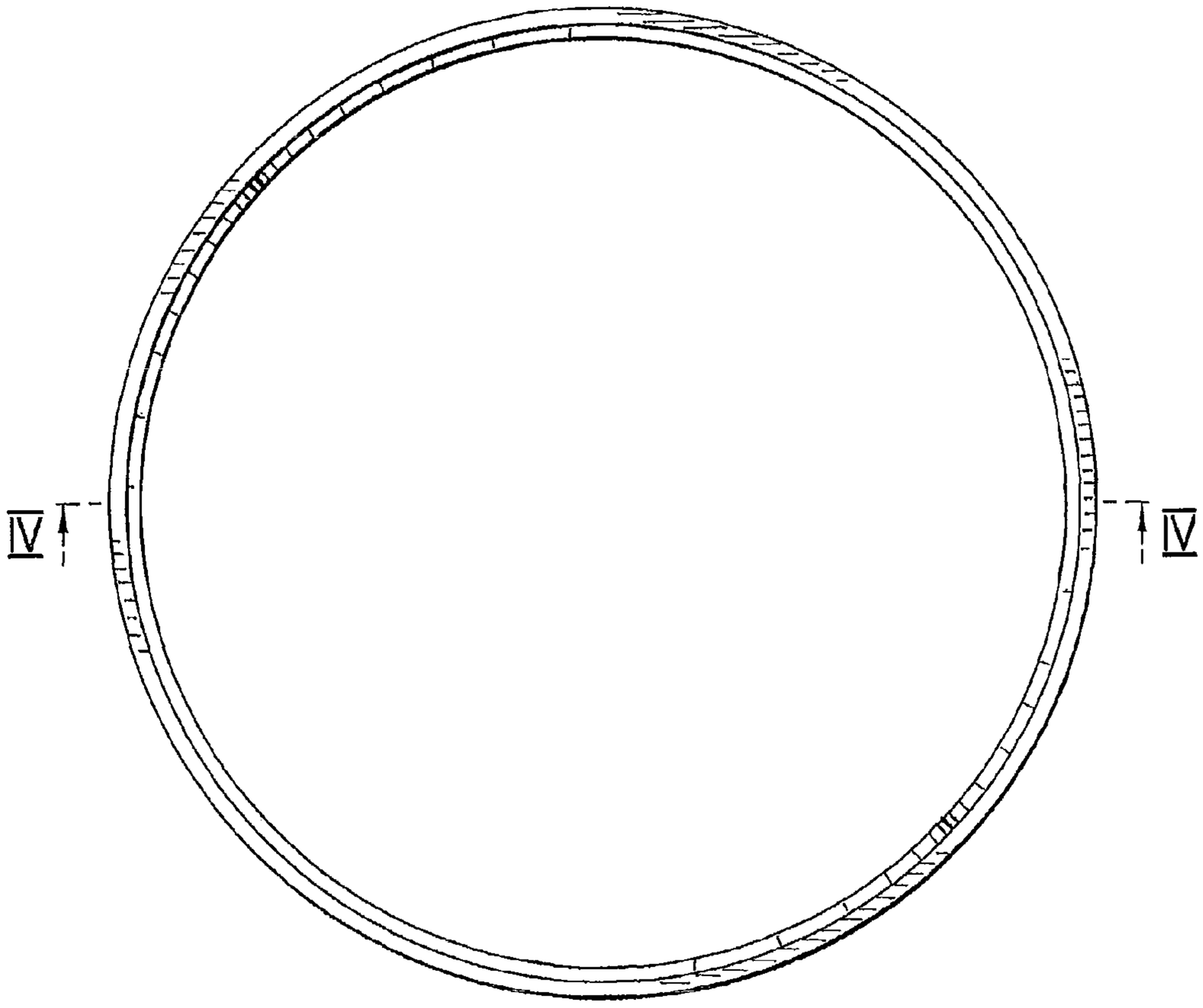


FIG. 12

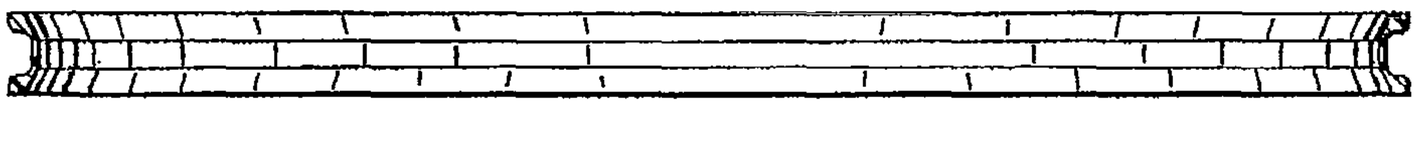


FIG. 13

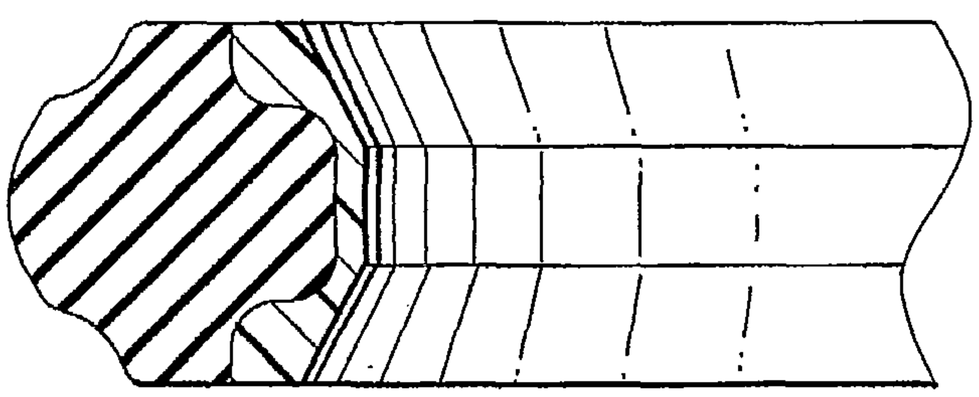


FIG. 14