



US00D487390S

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

(10) **Patent No.:** **US D487,390 S**
(45) **Date of Patent:** **** Mar. 9, 2004**

- (54) **RETAINING RING FOR SHAFT**
- (75) Inventors: **Kouichi Tanaka**, Nagoya (JP);
Yoshichika Tanaka, Nagoya (JP)
- (73) Assignee: **Chubu Bearing Kabushikikaisha**,
Aichi-ken (JP)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/169,152**
- (22) Filed: **Oct. 15, 2002**
- (51) **LOC (7) Cl.** **08-05**
- (52) **U.S. Cl.** **D8/354**
- (58) **Field of Search** D8/71, 72, 349,
D8/354, 373, 380; D15/148, 149; D12/223;
248/300, 500, 505, 682; 285/321; 411/353,
517, 518, 520, 521, 522; 464/162, 173,
176, 179, 180

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,026,454 A	*	12/1935	Benzing	.....	411/517
2,411,761 A	*	11/1946	Stolberg	.....	411/517
D152,599 S	*	2/1949	Cronen	.....	248/300
2,487,803 A	*	11/1949	Heimann	.....	411/517
2,595,787 A	*	5/1952	Heimann	.....	411/518
2,755,698 A	*	7/1956	Wurzel	.....	411/517

3,595,123 A	*	7/1971	Wurzel	.....	411/517
3,987,697 A	*	10/1976	Wurzel	.....	411/353
4,099,444 A	*	7/1978	Millheiser et al.	.....	411/517
4,423,837 A	*	1/1984	Clements	.....	227/67
4,886,408 A	*	12/1989	Killian et al.	.....	411/522
5,127,764 A	*	7/1992	Baer	.....	411/522
5,197,841 A	*	3/1993	Tanaka	.....	411/522
5,207,462 A	*	5/1993	Bartholomew	.....	285/321

* cited by examiner

Primary Examiner—Doris V. Coles
Assistant Examiner—Elizabeth A. Albert
(74) *Attorney, Agent, or Firm*—Flynn, Thiel, Boutell & Tanis, P.C.

(57) **CLAIM**

The ornamental design for a retaining ring for shaft, as shown and described.

DESCRIPTION

FIG. 1 is a front view of the retaining ring for shaft embodying our design, the rear view being substantially identical thereto.

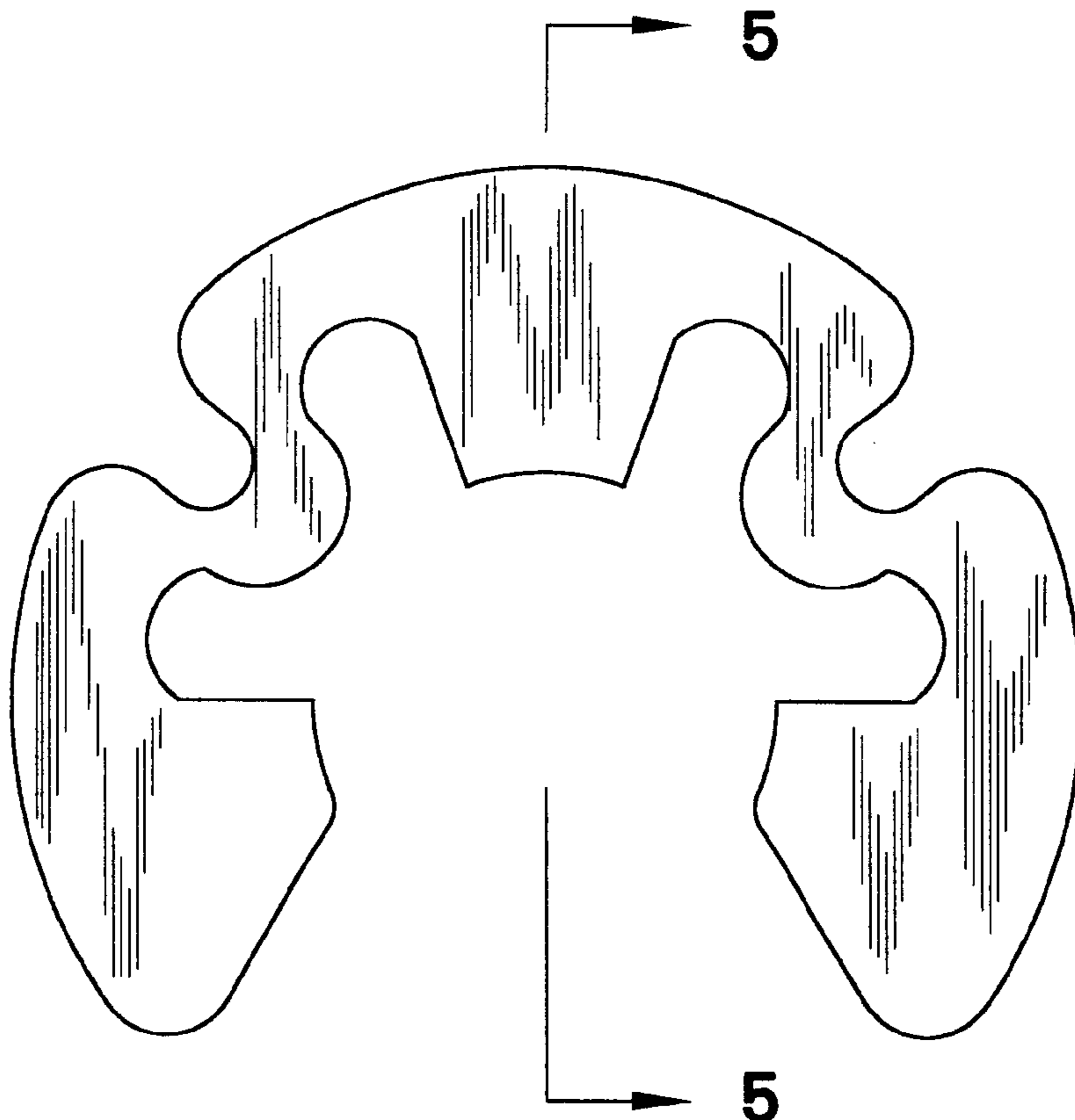
FIG. 2 is a top view thereof.

FIG. 3 is a bottom view thereof.

FIG. 4 is a left side view thereof, the right side view being substantially identical thereto; and,

FIG. 5 is a sectional view taken along line 5—5 in FIG. 1.

1 Claim, 2 Drawing Sheets



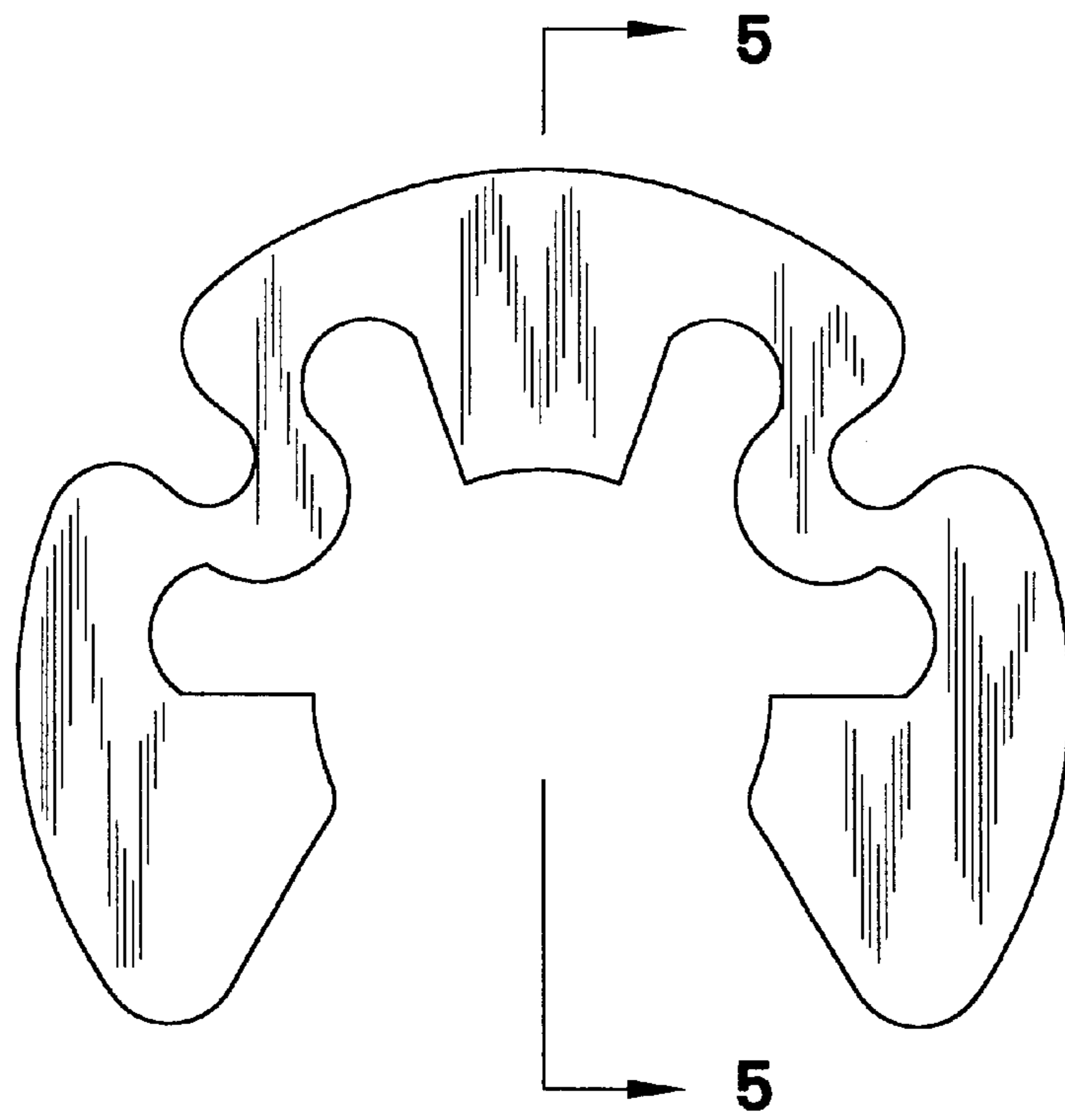


FIG. 1



FIG. 2



FIG. 3

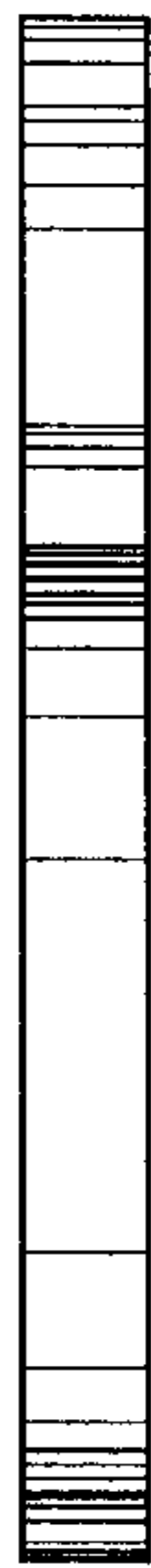


FIG. 4



FIG. 5