



US00D374482S

# United States Patent [19]

[11] Patent Number: **Des. 374,482**

Goble et al.

[45] Date of Patent: **\*\*Oct. 8, 1996**

[54] **ORTHOPAEDIC WASHER**

[75] Inventors: **E. Marlowe Goble; David P. Luman,**  
both of Logan, Utah; **S. Kyle Hayes,**  
Warsaw, Ind.

[73] Assignee: **Zimmer, Inc.,** Warsaw, Ind.; by said S.  
Kyle Hayes

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

[21] Appl. No.: **47,759**

[22] Filed: **Dec. 12, 1995**

4,852,558	8/1989	Outerbridge	128/92 YF
4,913,144	4/1990	Del Medico	606/75
4,955,989	9/1990	Matsutani et al.	606/219
4,960,420	10/1990	Goble et al.	606/72
4,988,351	1/1991	Paulos et al.	606/72
5,013,316	5/1991	Goble et al.	606/72
5,053,038	10/1991	Sheehan	606/75
5,129,902	7/1992	Goble et al.	606/65
5,167,665	12/1992	McKinney	606/75
5,209,756	5/1993	Seedhom et al.	606/151
5,234,431	8/1993	Keller	606/61 X
5,250,058	10/1993	Miller et al.	606/220 X
5,269,784	12/1993	Mast	606/73 X
5,352,229	10/1994	Goble et al.	606/72

### Related U.S. Application Data

[62] Division of Ser. No. 14,648, Sep. 15, 1993, Pat. No. Des.  
368,777.

[52] U.S. Cl. .... **D24/145; D24/146; D24/147;**  
D24/155

[58] Field of Search ..... D24/145, 146,  
D24/147, 155; 606/75, 220, 219, 73, 72,  
.61, 53, 59, 96, 105, 115, 216, 232

### References Cited

#### U.S. PATENT DOCUMENTS

D. 280,550	9/1985	Pratt et al.	D24/27
D. 281,814	12/1985	Pratt et al.	D24/27
D. 284,509	7/1986	Johnson	D24/29
2,919,621	1/1960	Langdon	85/29
4,047,524	9/1977	Hall	128/69
4,263,903	4/1981	Griggs	128/92 B
4,278,091	7/1981	Borzzone	128/334 C
4,438,769	3/1984	Pratt et al.	128/334 R
4,454,875	6/1984	Pratt et al.	128/92 B
4,462,395	7/1984	Johnson	128/92 B
4,548,202	10/1985	Duncan	128/334 C
4,570,623	2/1986	Ellison et al.	128/92 B
4,592,346	6/1986	Jurgutis	128/92 B
4,607,638	8/1986	Crainich	128/335
4,655,222	4/1987	Florez et al.	128/334 R
4,723,540	2/1988	Gilmer, Jr.	128/92 YC
4,759,765	7/1988	Van Kampen	623/13
4,793,335	12/1988	Frey et al.	128/92 R
4,834,752	5/1989	Van Kampen	623/13
4,838,254	6/1989	Gauthier	128/92 YF
4,848,328	7/1989	Laboureau et al.	128/92 YC

### FOREIGN PATENT DOCUMENTS

0033641B1	8/1981	European Pat. Off.	A61B 17/00
0406014A1	1/1991	European Pat. Off.	A61B 17/064
0488906A1	6/1992	European Pat. Off.	A61B 17/064
0520177A1	12/1992	European Pat. Off.	A61F 2/08
1558965	1/1980	United Kingdom	A61B 17/18
WO90/00370	1/1990	WIPO	A61B 17/08

### OTHER PUBLICATIONS

Linvatec Catalog—pp. 77 and 81—Spiked Washers and  
Fixation Staples, respectively—1992.

Zimmer Catalog—pp. B88,B89,B90,B81,C57—Staples and  
Washers—1987.

Synthes Catalog—p. 44—Spiked Washer—1977 (Also  
related Synthes Bulletin).

Manual of Internal Fixation—p. 29—Washers—1979.

Howmedica Catalog—pp. D107,D108,E15,F28—Staples—  
1978.

Howmedica Catalog—p. G33—I.C.L.H. Staple System—  
1984.

Howmedica Ad—Ellison Staple—JBJS—Oct.—1986.

*Primary Examiner*—Louis S. Zarfes

*Assistant Examiner*—I. Simmons

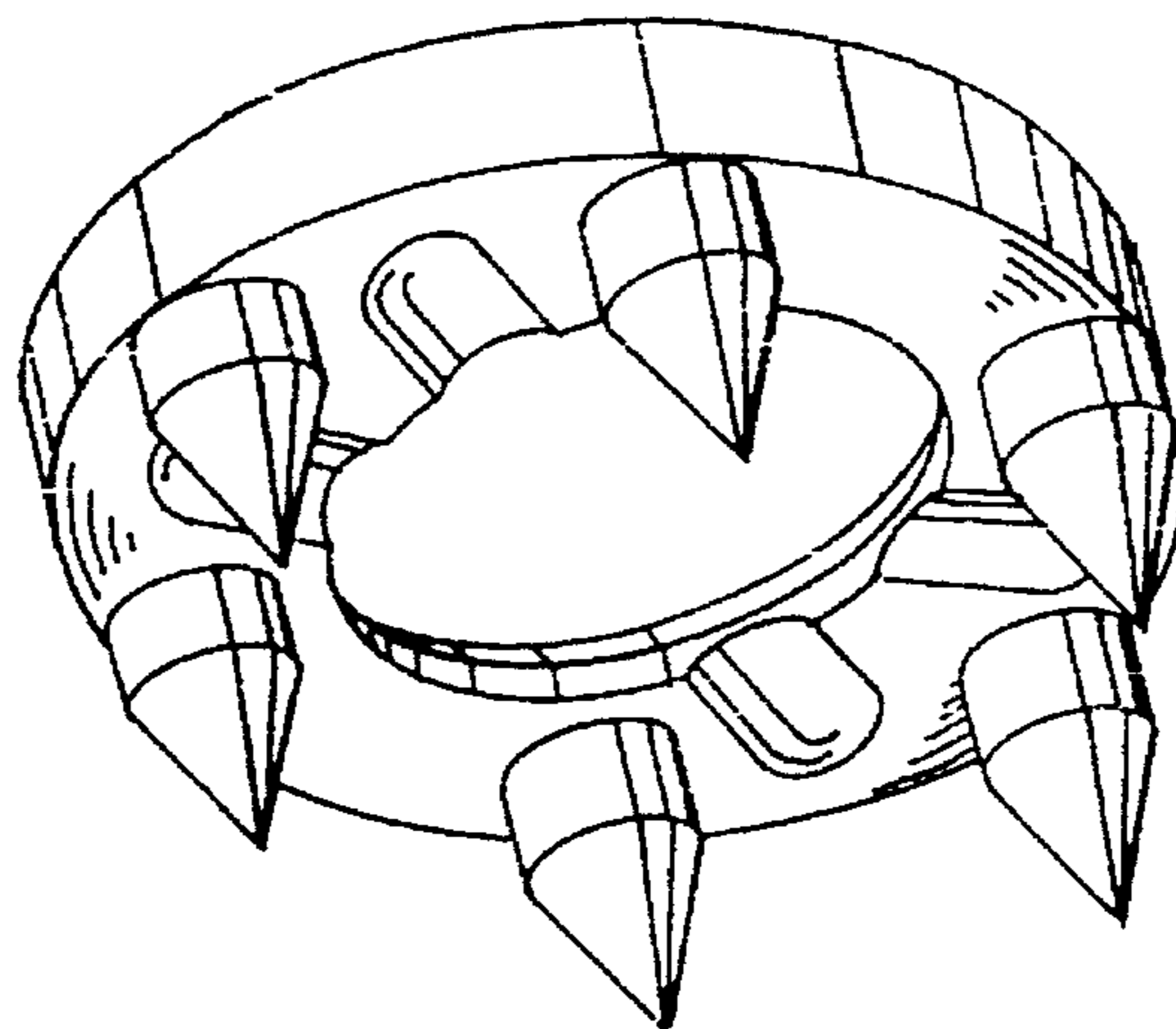
*Attorney, Agent, or Firm*—Margaret L. Geringer

### [57] CLAIM

The ornamental design for an orthopaedic washer, as shown  
and described.

### DESCRIPTION

FIG. 1 is a perspective view of an orthopaedic washer



showing our new design;  
FIG. 2 is a bottom plan view thereof;  
FIG. 3 is a side elevational view thereof;  
FIG. 4 is a top plan view thereof;  
FIG. 5 is a cross-sectional view thereof taken along lines  
5—5 of FIG. 2; and,

FIG. 6 is an end elevational view thereof.  
The broken line showing of the screw member in FIG. 3 is  
for illustrative purposes only and forms no part of the  
claimed design.

**1 Claim, 1 Drawing Sheet**

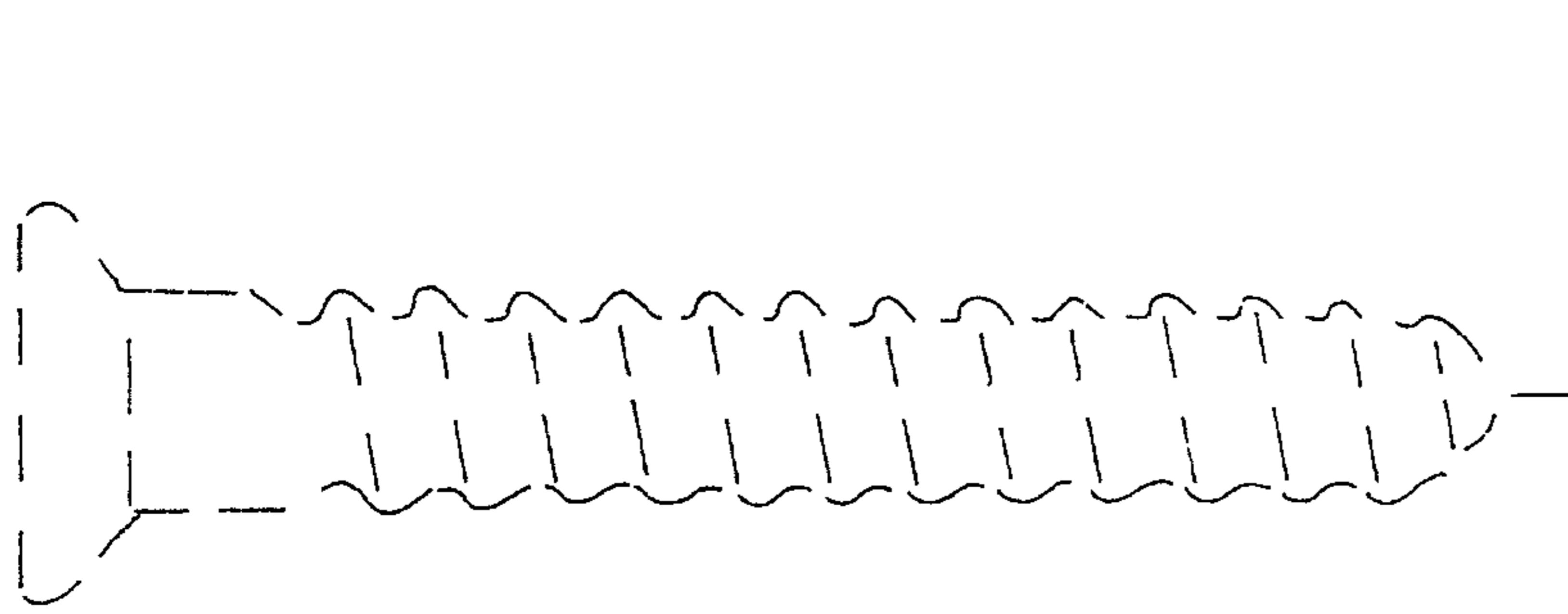


FIG. 1

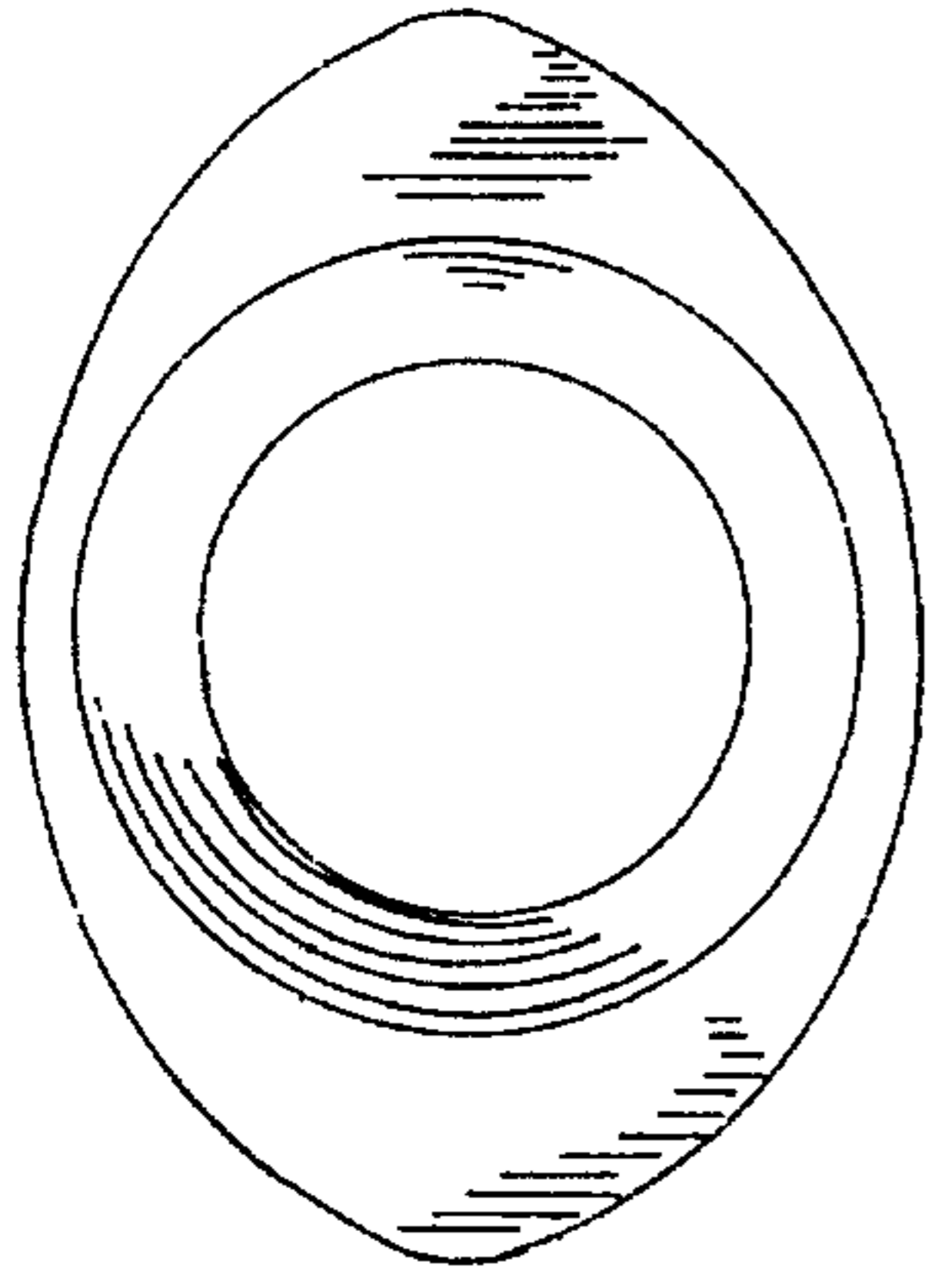


FIG. 4

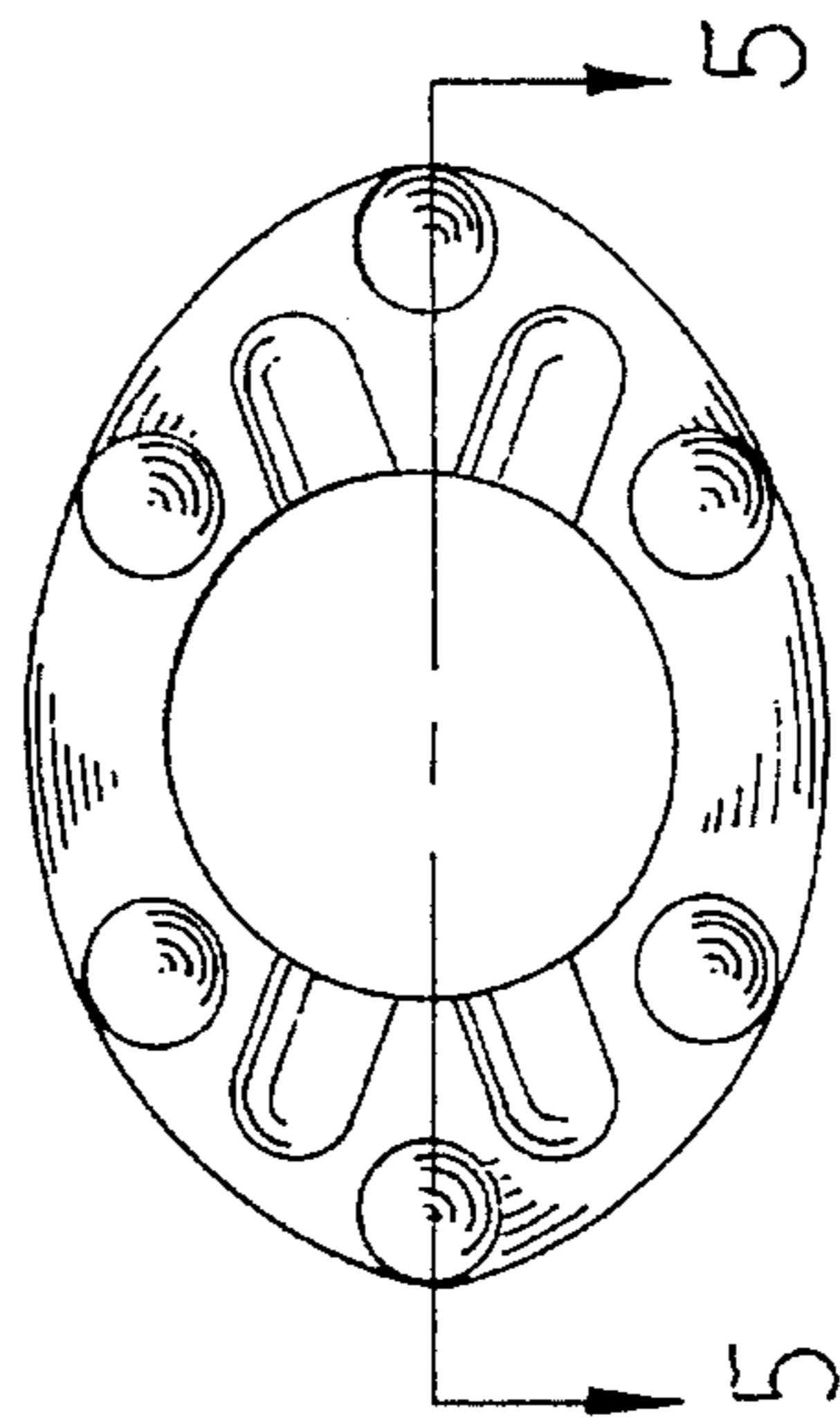


FIG. 2

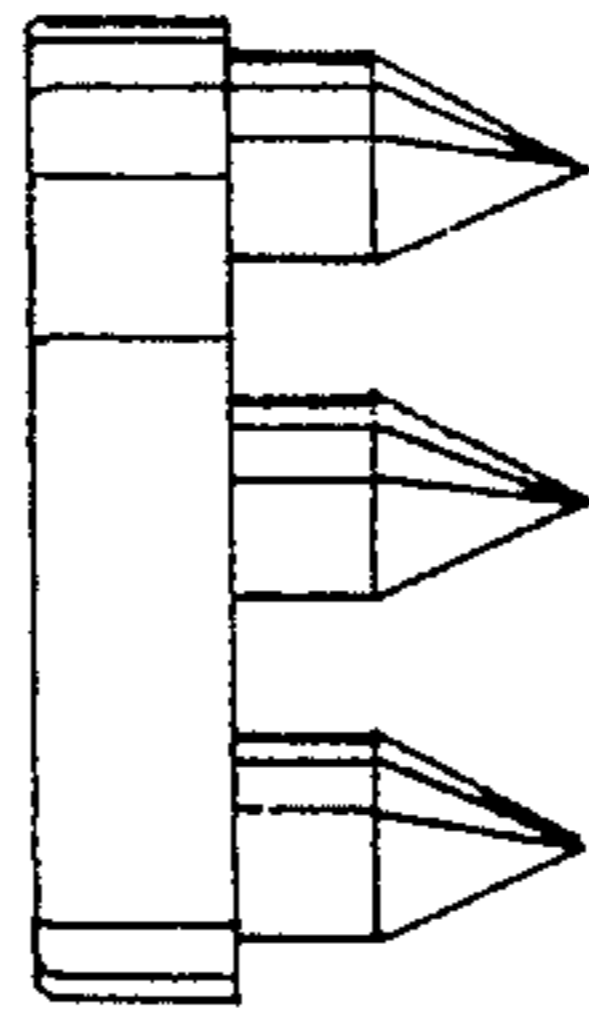


FIG. 6

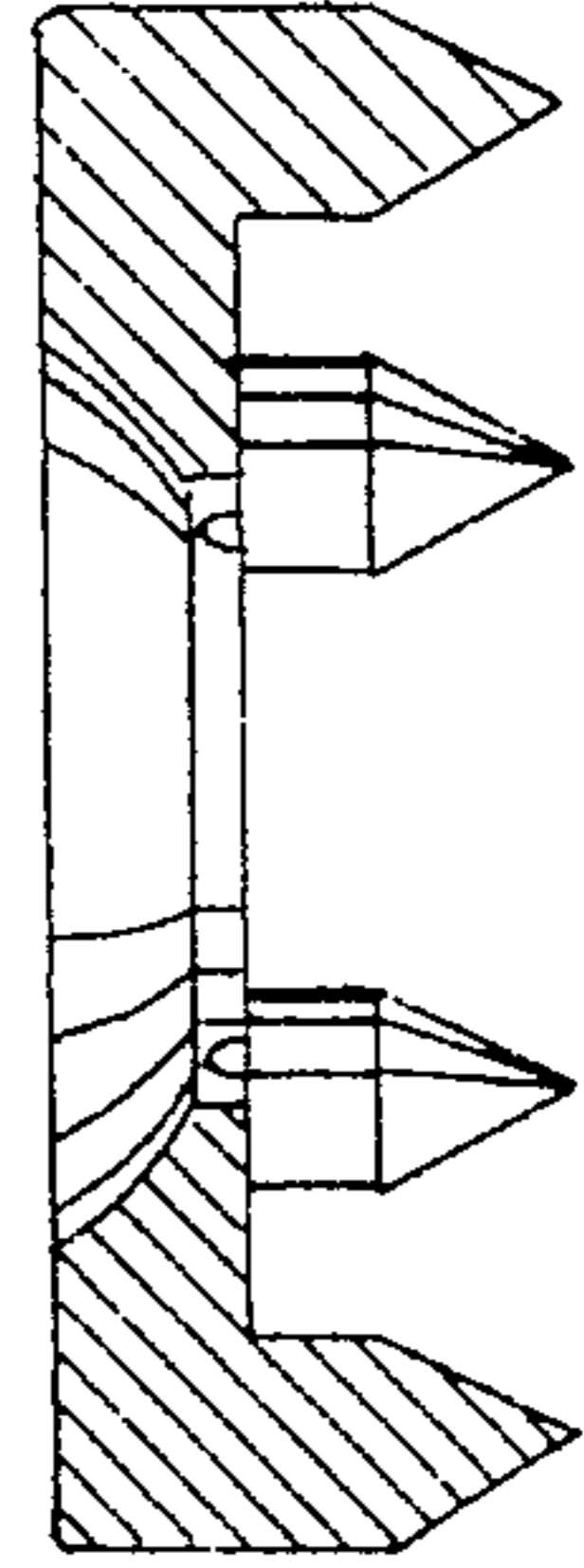


FIG. 5

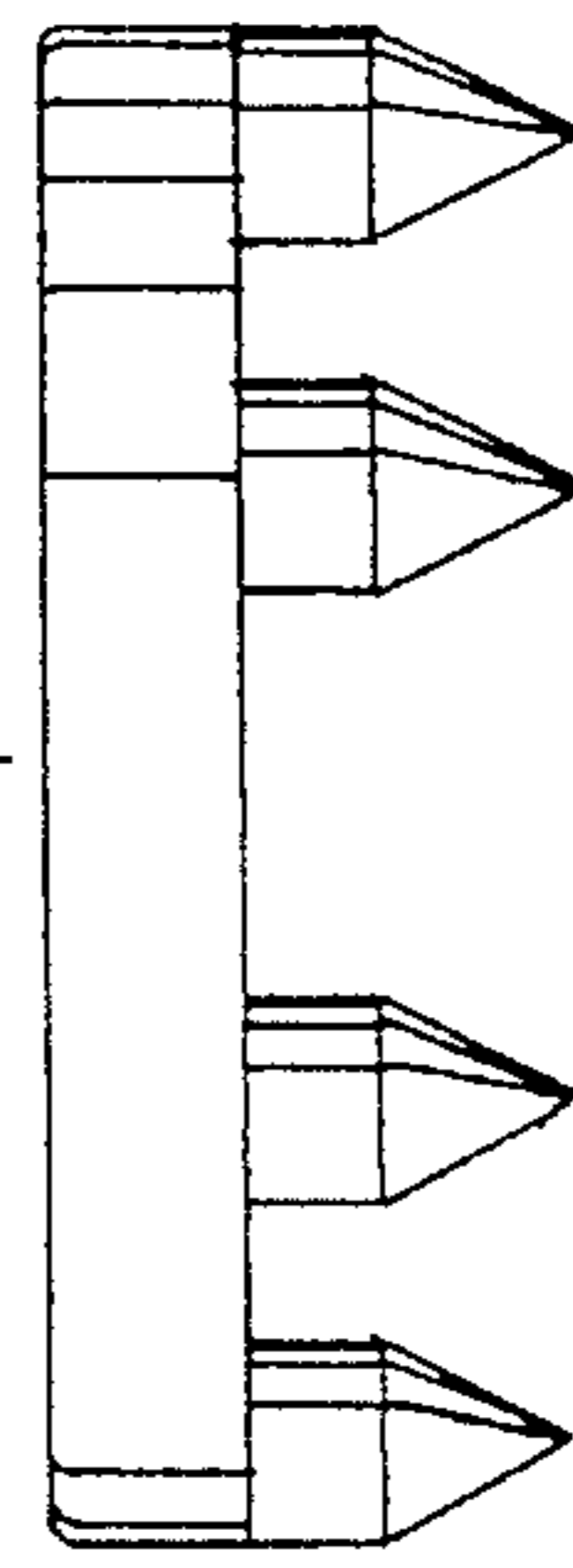


FIG. 3