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# United States Patent [19]

Price et al.

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[54] **EXTERNAL FIXATION WIRE RETAINER**

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[73] Assignee: **Zimmer, Inc.**, Warsaw, Ind.

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

[21] Appl. No.: **25,126**

[22] Filed: **Jun. 27, 1994**

[52] U.S. Cl. .... **D24/127; D24/128; D24/130; D24/145**

[58] Field of Search ..... **D24/143, 145, D24/130, 140, 128, 127; 606/54, 53, 59, 72, 73, 104, 103, 96**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 342,134	12/1993	Mongeon	.....	D24/127
4,308,863	1/1982	Fischer	.....	128/92 A
4,365,624	12/1982	Jaquet	.....	128/92 A
4,535,763	8/1985	Jaquet	.....	128/92 A
4,620,533	11/1986	Mears	.....	128/92 Z
4,624,249	11/1986	Cambras	.....	128/92 ZK
4,688,560	8/1987	Schultz	.....	606/59
4,768,524	9/1988	Hardy	.....	128/92 Z
4,784,125	11/1988	Monticelli et al.	.....	128/92 Z
4,889,111	12/1989	Ben-Dov	.....	128/419 F
4,923,458	5/1990	Fischer	.....	606/59
4,936,843	6/1990	Sohngen	.....	606/54
4,941,481	7/1990	Wagenknecht	.....	606/59
4,976,712	12/1990	Vander Slik	.....	606/59
5,021,054	6/1991	Monfardini et al.	.....	606/54
5,067,954	11/1991	Ilizarov	.....	606/58
5,087,258	2/1992	Schewior	.....	606/56
5,095,919	3/1992	Monticelli et al.	.....	606/56

5,098,432	3/1992	Wagenknecht	.....	606/54
5,112,331	5/1992	Miletich	.....	606/53
5,167,661	12/1992	Wagenknecht	.....	606/54
5,275,598	1/1994	Cook	.....	606/54
5,300,072	4/1994	Aghion	.....	606/59
5,300,075	4/1994	Gordon	.....	606/53 X
5,330,476	7/1994	Hiot et al.	.....	606/59 X

**FOREIGN PATENT DOCUMENTS**

2499400	8/1982	France	.....	A61B 17/18
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**OTHER PUBLICATIONS**

Zimmer, Inc.—Brochure—Torus External Fixation System—Lit. No. 97-2613-01 Rev. 1—1993.

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[57] **CLAIM**

The ornamental design for an external fixation wire retainer, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an external fixation wire retainer;

FIG. 2 is an end view thereof;

FIG. 3 is an end view thereof of the end opposite the end shown in FIG. 2;

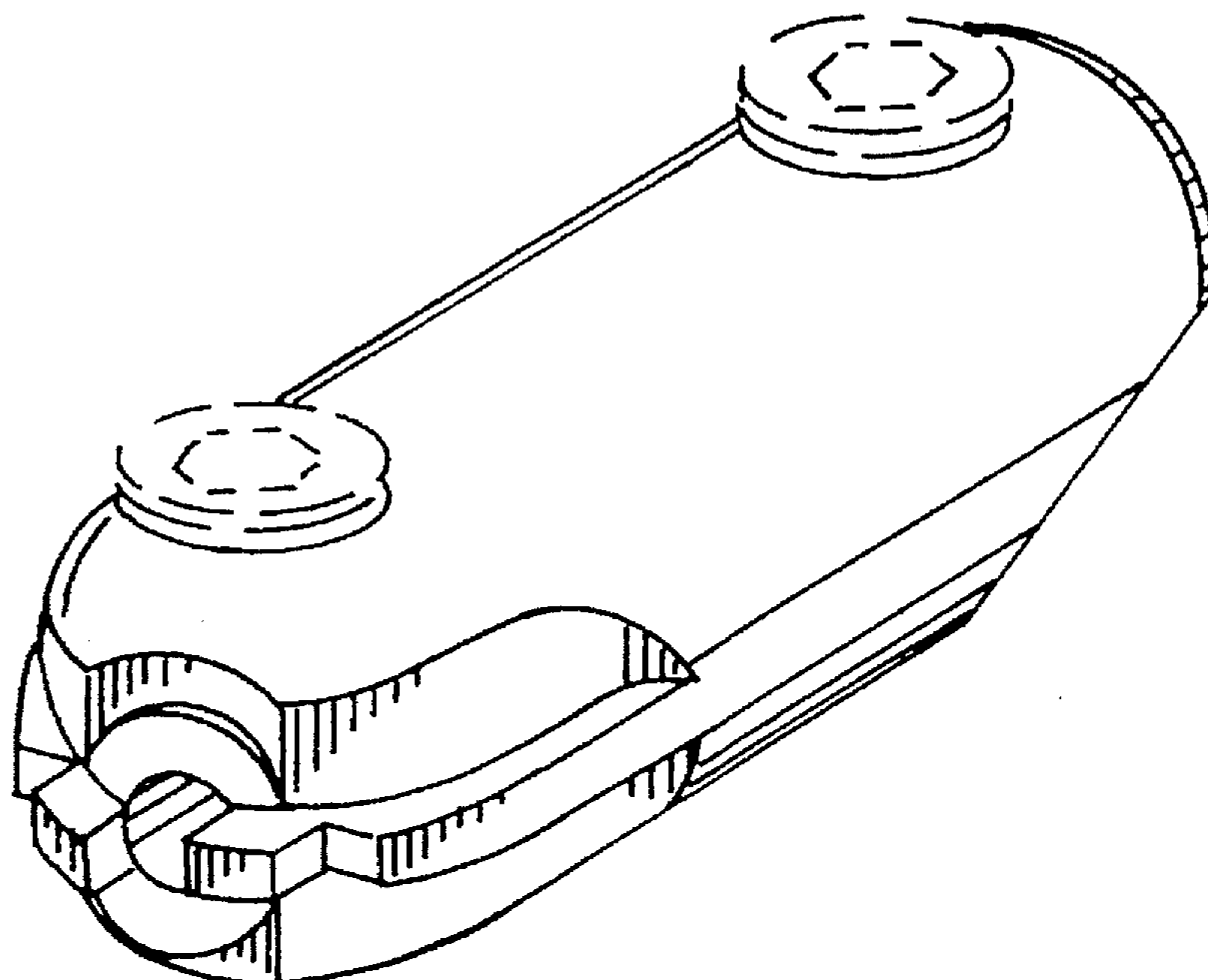
FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view thereof;

FIG. 6 is a side elevational view thereof; and,

FIG. 7 is a side elevational view thereof of the side opposite the side shown in FIG. 6.

**1 Claim, 1 Drawing Sheet**



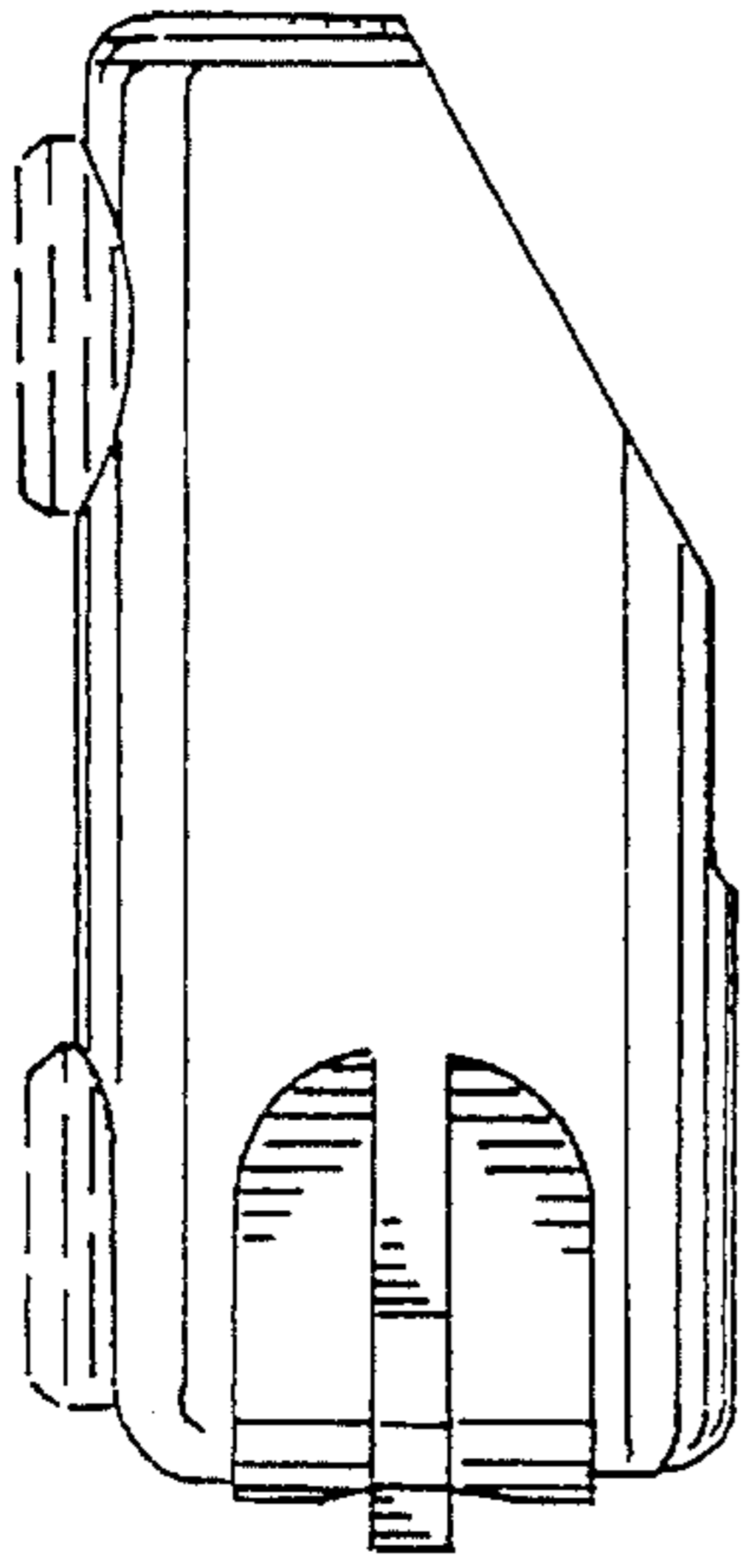


FIG. 6

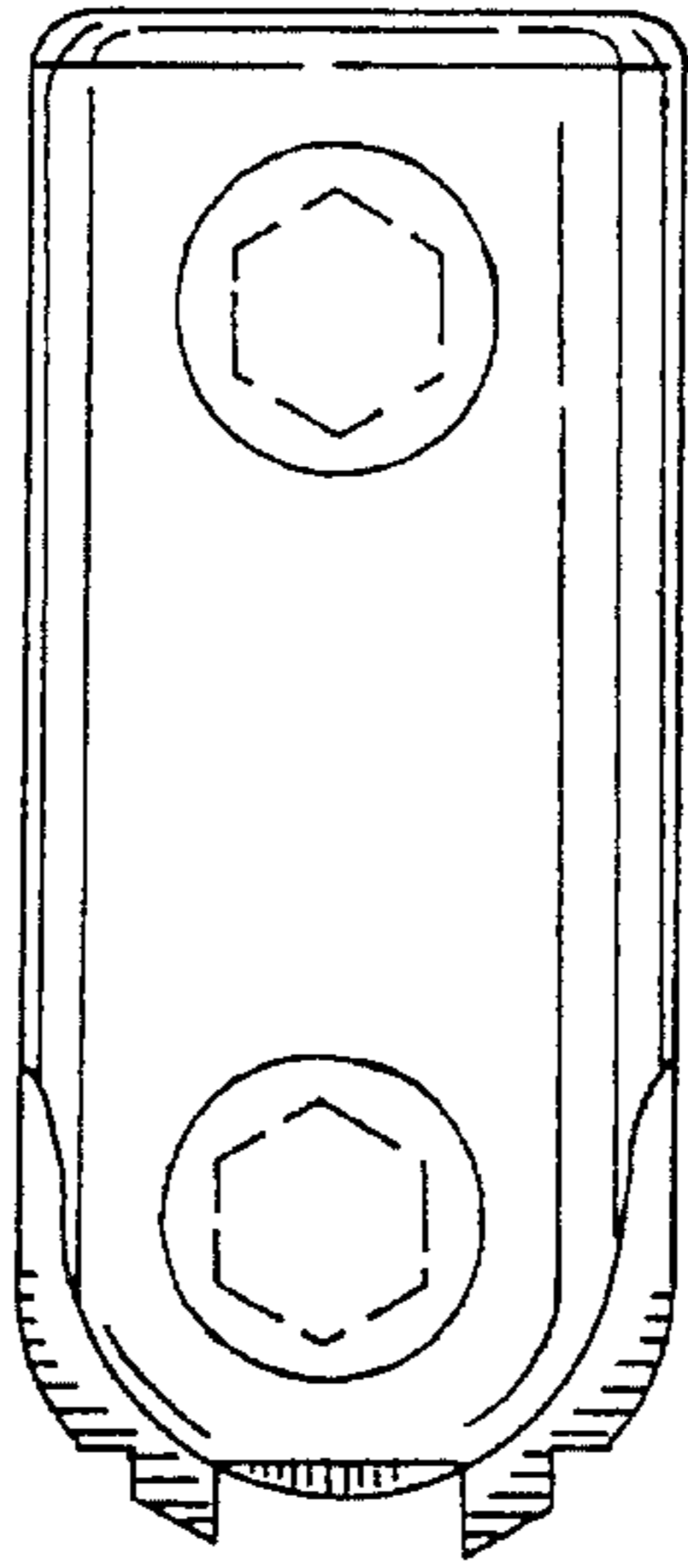


FIG. 4

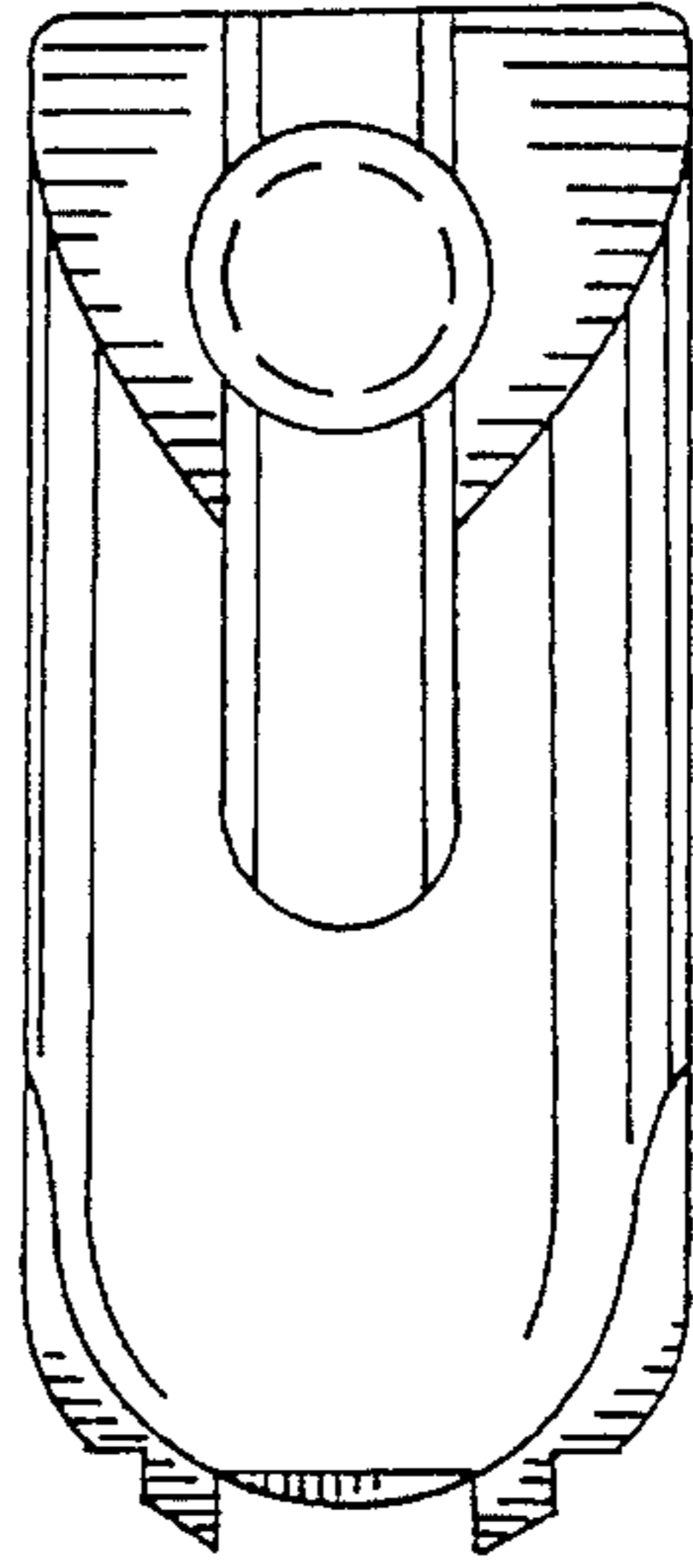


FIG. 5

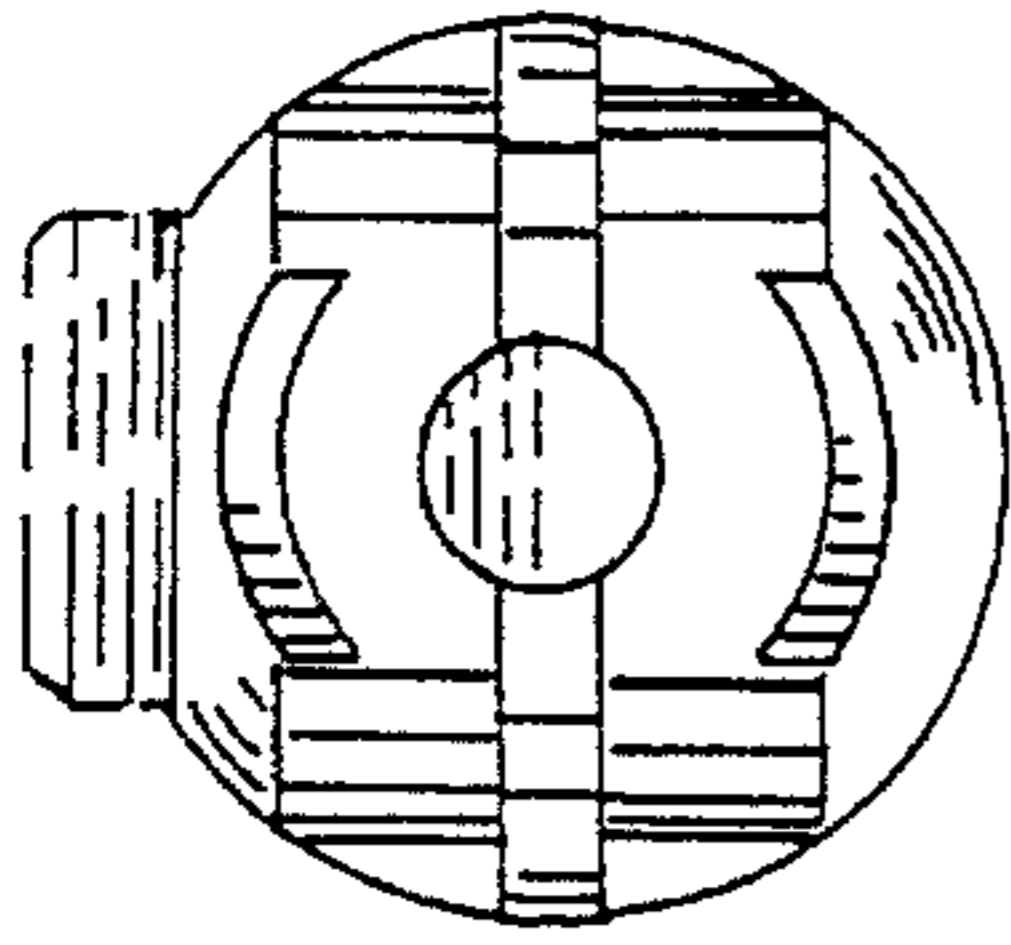


FIG. 2

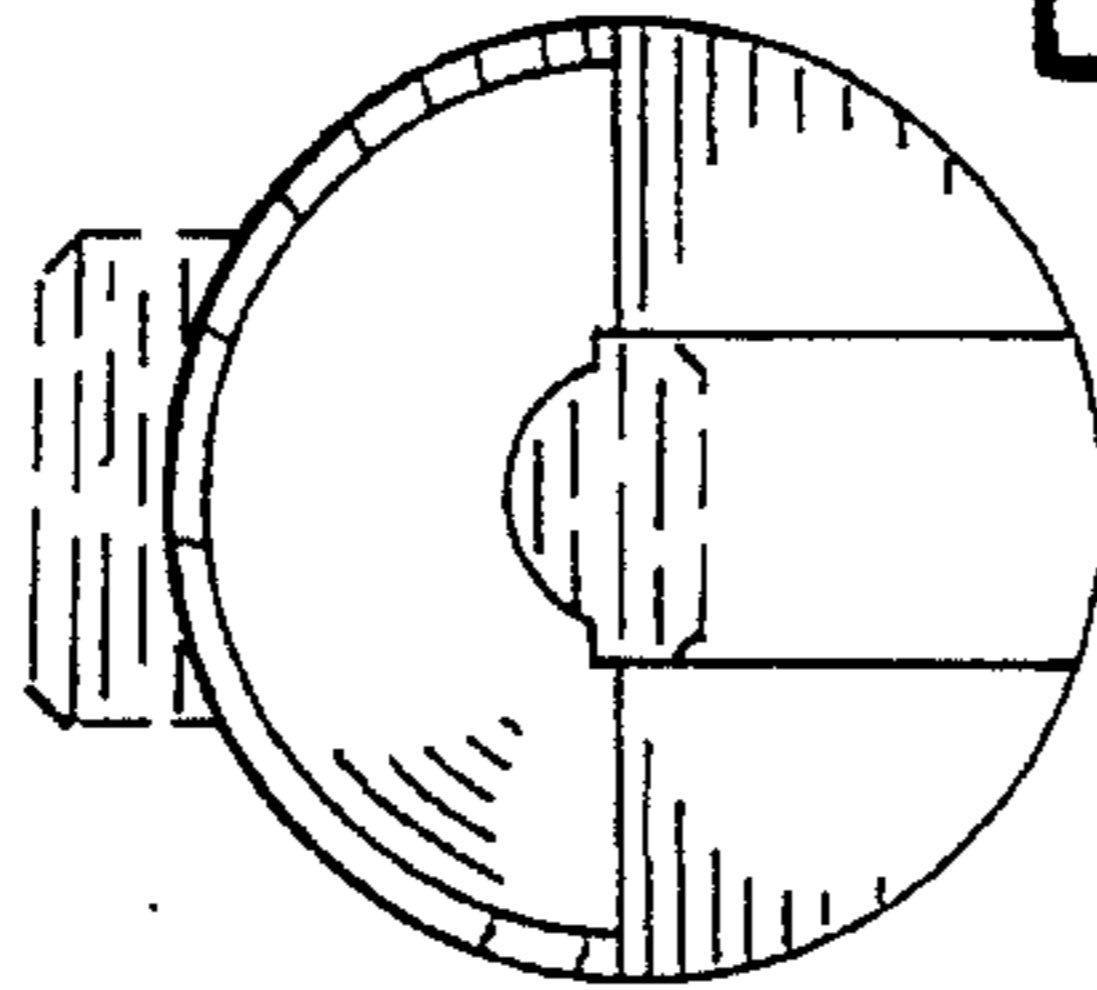


FIG. 3

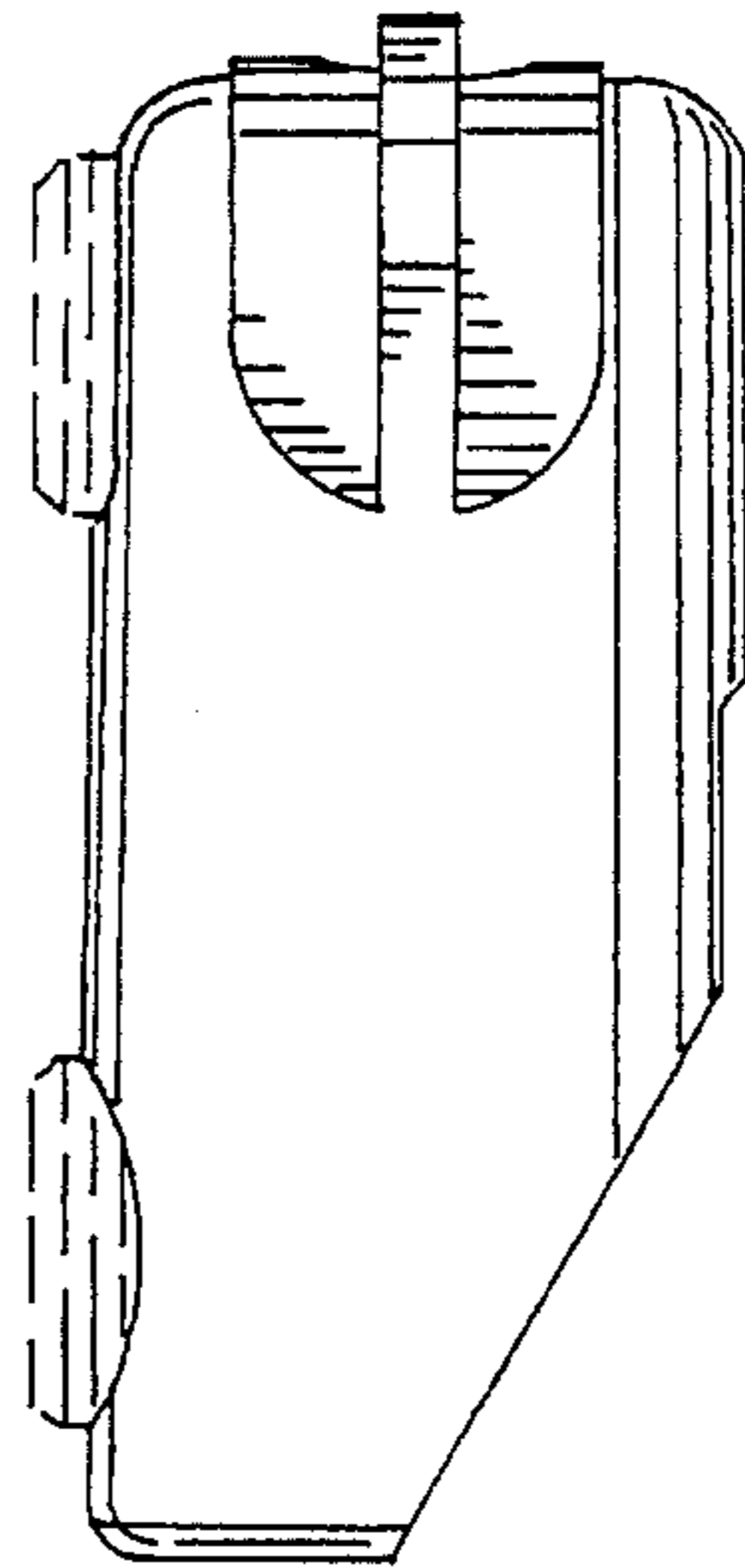


FIG. 7

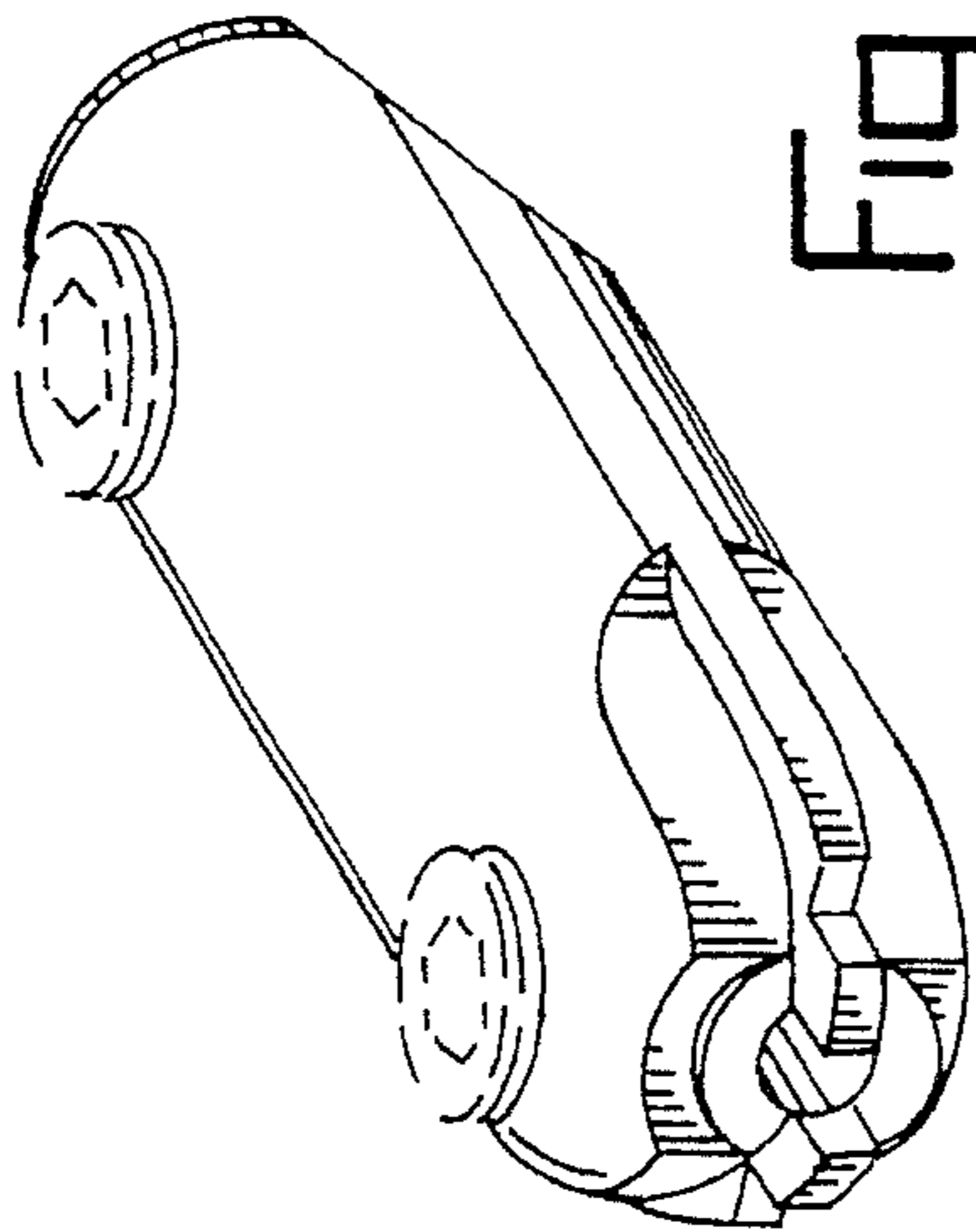


FIG. 1