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(12) **United States Design Patent** (10) **Patent No.:** **US D500,671 S**
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(54) **SELF-ENGAGING BUNDLING STRAP
PROVIDED WITH MACHINE READABLE
CODE**

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(51) **LOC (7) Cl.** **08-07**

(52) **U.S. Cl.** **D8/396**; D20/22

(58) **Field of Search** D8/396, 394; 20/22,
20/27; D18/24; 40/665, 637, 305, 299.01,
367; 24/30.5 R, 30.5 S, 31 U, 304, 306,
450, 16 R, 68 R

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,086,529 A	4/1963	Munz et al.	
4,088,136 A	5/1978	Hasslinger et al.	
4,437,269 A	3/1984	Shaw	
D284,291 S	* 6/1986	Levine	D20/27
4,706,914 A	11/1987	Ground	
4,815,172 A	3/1989	Ward	
D305,097 S	* 12/1989	Converse	D8/394
4,893,381 A	1/1990	Frankel	
4,939,818 A	7/1990	Hahn	
4,963,410 A	10/1990	Bryant	
5,005,264 A	4/1991	Breen	
5,018,286 A	* 5/1991	Zahner	40/299.01
5,136,759 A	8/1992	Armour, II	
5,200,245 A	4/1993	Brodrick, Jr.	
5,732,495 A	3/1998	Lowe et al.	
5,733,652 A	3/1998	Stowman et al.	
5,827,589 A	10/1998	Auttersen	
5,878,520 A	3/1999	Milbrandt et al.	
5,913,619 A	6/1999	Lowe	

5,943,804 A	8/1999	Linguist et al.	
6,038,743 A	* 3/2000	Chapman	40/665
D424,417 S	* 5/2000	Axelson	D8/394
6,058,639 A	5/2000	Tinklenberg et al.	
6,106,922 A	8/2000	Cejka et al.	
D432,176 S	* 10/2000	Stevens et al.	D20/22
6,174,476 B1	1/2001	Kennedy et al.	
6,205,623 B1	3/2001	Shepard et al.	
6,279,255 B1	8/2001	Larsen	
6,349,493 B1	* 2/2002	Newman et al.	40/665

FOREIGN PATENT DOCUMENTS

WO	WO 01/67911 A2	9/2001
WO	WO 02/25789 A2	3/2002

* cited by examiner

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(57) **CLAIM**

The ornamental design for a self-engaging bundling strap
provided with machine readable code, as shown and
described.

DESCRIPTION

FIG. 1 is a perspective view of a self-engaging bundling
strap provided with machine readable code showing our new
design in use;

FIG. 2 is a perspective view of a self-engaging bundling
strap provided with machine readable code showing our new
design in use;

FIG. 3 is a fragmentary top view thereof;

FIG. 4 is a bottom view thereof;

FIG. 5 is a side view thereof;

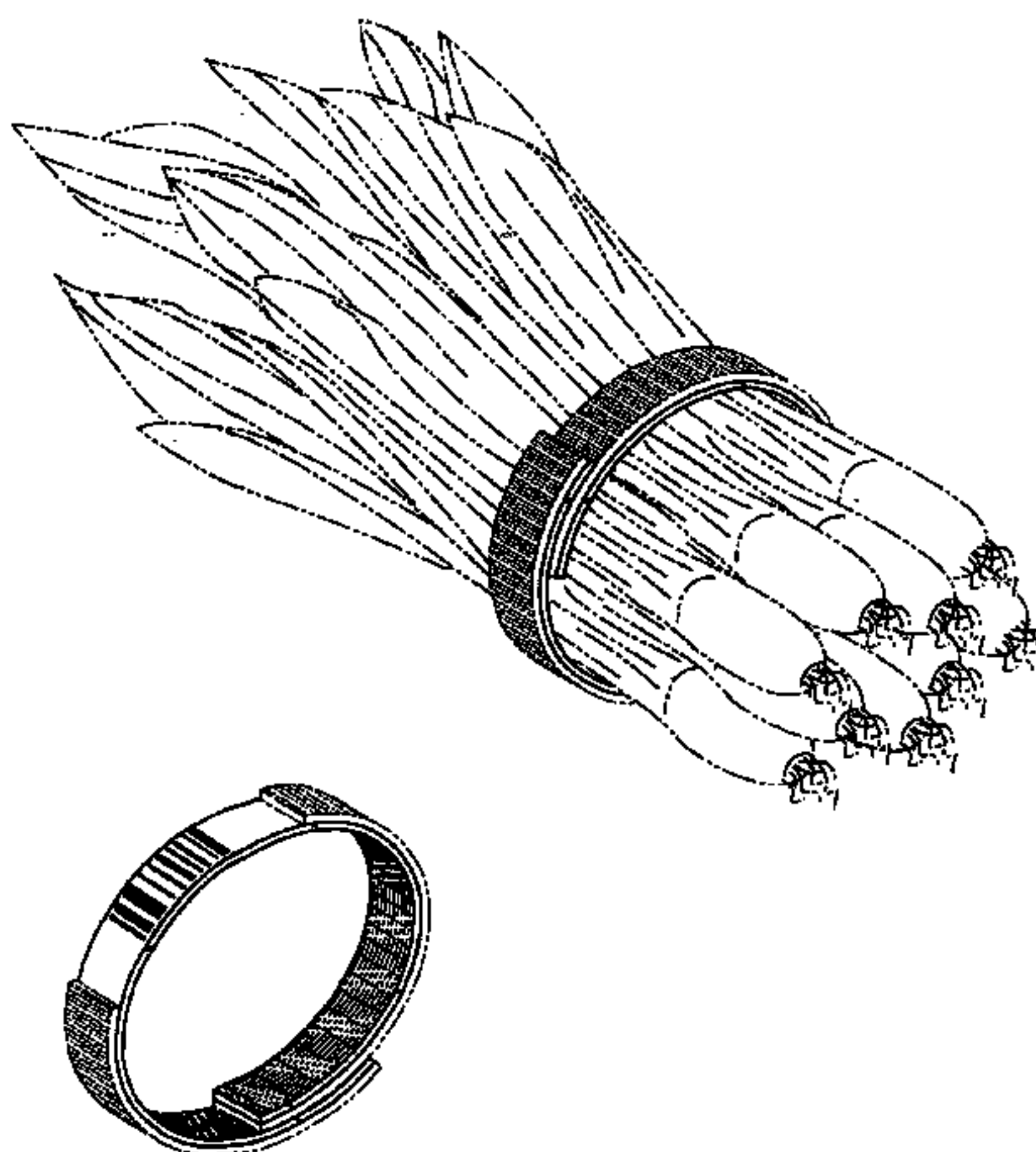
FIG. 6 is an end view;

FIG. 7 is an end view; and,

FIG. 8 is a full top view.

The broken lines showing the fastener elements in FIGS.
1–8 is for illustrative purposes only and forms no part of the
claimed design.

1 Claim, 3 Drawing Sheets



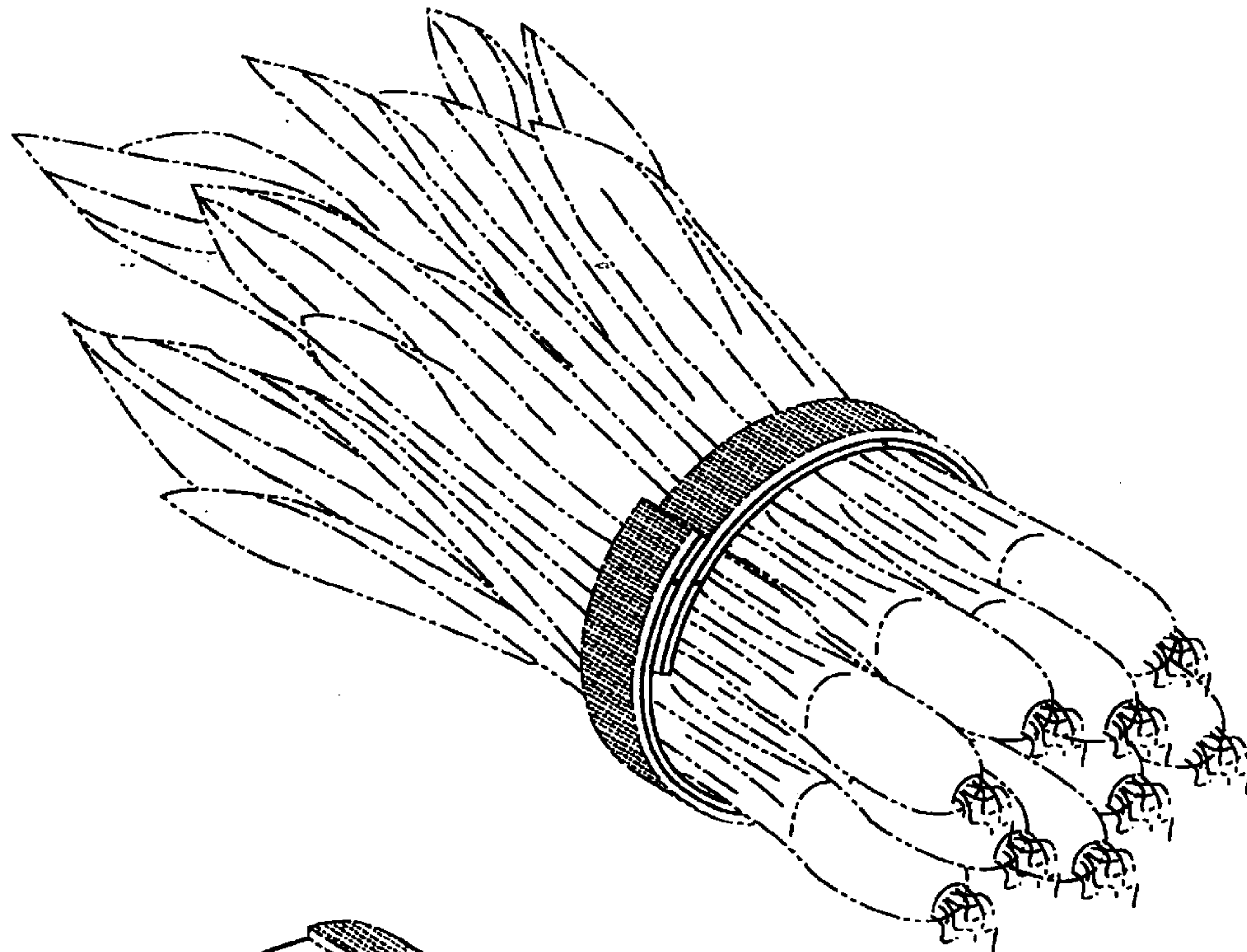


FIG. 1

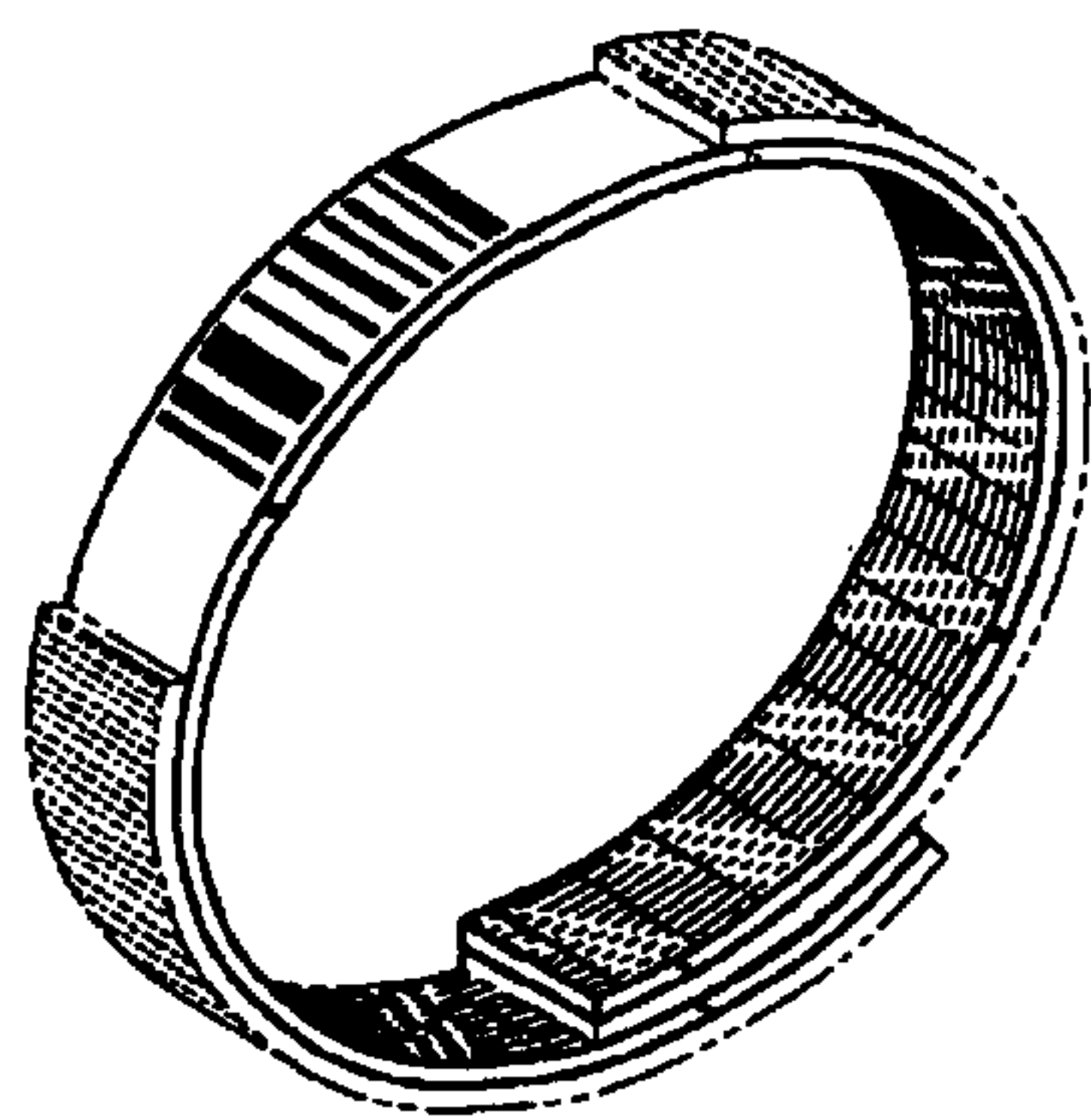


FIG. 2



FIG. 3

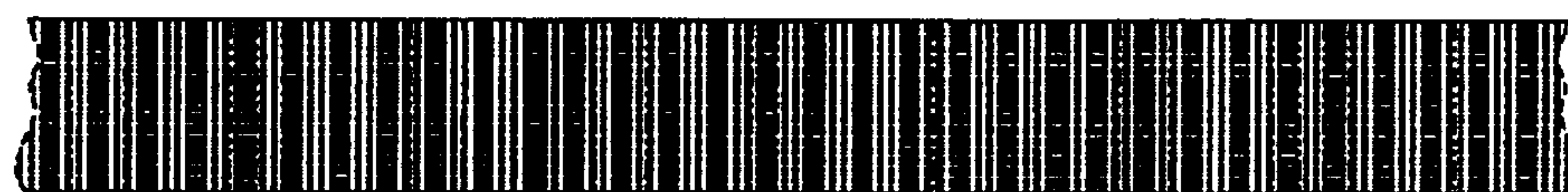


FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8