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(12) **United States Design Patent**
Dirneder

(10) **Patent No.:** **US D594,938 S**
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(54) **HIGH TEMPERATURE DISCONNECT UNION**

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(73) Assignee: **Praher Canada Products, Ltd.**, Ontario (CA)

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

(21) Appl. No.: **29/329,426**

(22) Filed: **Dec. 15, 2008**

D406,881 S *	3/1999	Kuwabara	D23/262
D407,802 S	4/1999	Hatfield et al.	
D413,967 S	9/1999	Yuen	
D427,667 S	7/2000	Stout, Jr.	
D427,668 S	7/2000	Stout, Jr.	
D430,482 S	9/2000	Stout, Jr.	
D438,603 S	3/2001	Chao	
D439,637 S	3/2001	Davies	
D441,436 S	5/2001	Chao	
D452,299 S	12/2001	Aldred et al.	
D453,815 S	2/2002	Hoenig	
D457,604 S	5/2002	Chen	

(Continued)

Related U.S. Application Data

(62) Division of application No. 29/320,946, filed on Jul. 8, 2008, now Pat. No. Des. 583,026.

(51) **LOC (9) Cl.** **23-01**

(52) **U.S. Cl.** **D23/262**

(58) **Field of Classification Search** D23/259-262;
285/34-35, 38, 158.22, 144.1, 145.2, 148.1,
285/148.22, 272, 322

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,390,898 A *	7/1968	Sumida	284/34
D229,496 S	12/1973	Hand	
D235,343 S	6/1975	Otto	
D263,163 S	2/1982	Olde	
D265,418 S	7/1982	Chow et al.	
D267,506 S	1/1983	Evans	
4,690,436 A	9/1987	Hehl	
D299,267 S	1/1989	Roman	
D320,841 S *	10/1991	Breadmont	D23/262
5,110,160 A	5/1992	Brozovic	
5,197,770 A	3/1993	Knapp	
D334,617 S	4/1993	Roman	
5,346,262 A	9/1994	Liebig	
D359,797 S	6/1995	Saito	
D377,969 S	2/1997	Grantham	
5,636,876 A	6/1997	Eidsmore	
D397,413 S	8/1998	Sapp	

OTHER PUBLICATIONS

Praher Parts Catalog, pp. 1-78, dated Jan. 2008.

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(57) **CLAIM**

I claim the ornamental design for a high temperature disconnect union, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of my high temperature disconnect union;

FIG. 2 is a rear perspective view of the high temperature disconnect union of FIG. 1;

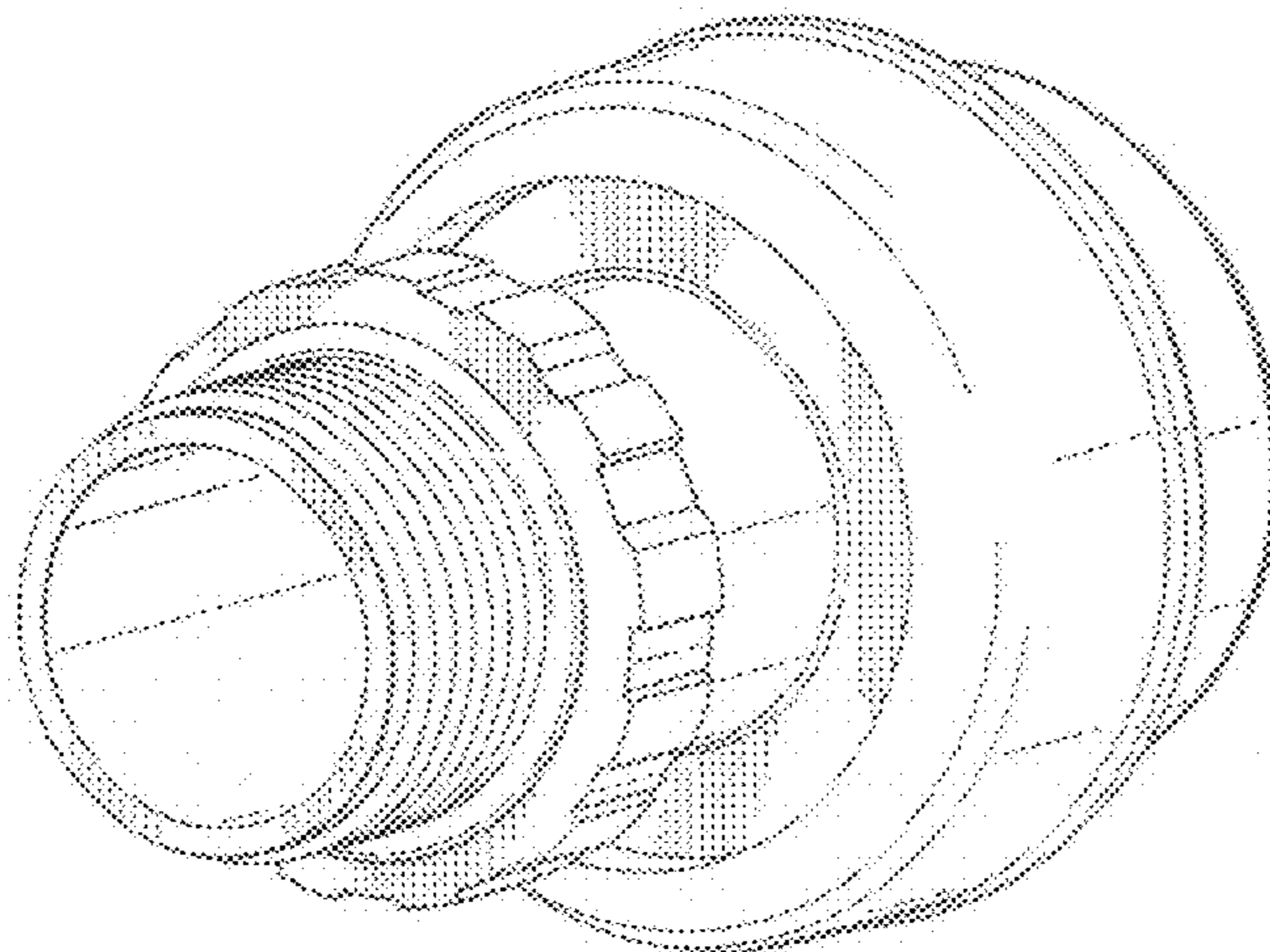
FIG. 3 is a left-side view of the high temperature disconnect union of FIG. 1;

FIG. 4 is a front view of the high temperature disconnect union of FIG. 1;

FIG. 5 is a rear view of the high temperature disconnect union of FIG. 1; and,

FIG. 6 is a right-side view of the high temperature disconnect union of FIG. 1.

1 Claim, 3 Drawing Sheets



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U.S. PATENT DOCUMENTS

D461,545 S	8/2002	Nishio	D517,665 S	3/2006	Wilk, Jr. et al.	
D464,409 S	10/2002	Nishio	D521,614 S	5/2006	Kitagawa	
6,485,064 B1	11/2002	Davidson	D524,427 S	7/2006	Wilk, Jr. et al.	
D473,633 S	4/2003	Chun-Lee	D533,259 S	12/2006	Lewis et al.	
6,581,981 B2	6/2003	Cooper	D549,804 S	8/2007	Lewis et al.	
6,604,761 B1	8/2003	Debalme et al.	D559,361 S	1/2008	Zeppetzaer	
D483,094 S	12/2003	Wilk, Jr. et al.	D559,362 S	1/2008	Zeppetzaer	
D483,095 S	12/2003	Snyder, Sr. et al.	D565,707 S	4/2008	Brockington et al.	
D483,096 S	12/2003	Gotoh et al.	D568,969 S	5/2008	Bucchi	
D483,441 S	12/2003	Dole et al.	D569,955 S	5/2008	Chen	
D493,214 S	7/2004	Snyder, Sr. et al.	D570,457 S	6/2008	Brown	
D493,512 S	7/2004	Dole et al.	7,380,841 B2	6/2008	Hall et al.	
D495,404 S	8/2004	Wilk, Jr. et al.	7,504,582 B1 *	3/2009	Chiu	285/322
D496,094 S	9/2004	Stevens	2003/0160449 A1 *	8/2003	Min-Cheol	285/322
6,988,748 B2	1/2006	Staniszewski et al.	2004/0164547 A1 *	8/2004	Cronley	285/34
			2005/0006896 A1 *	1/2005	Naito et al.	285/316

* cited by examiner

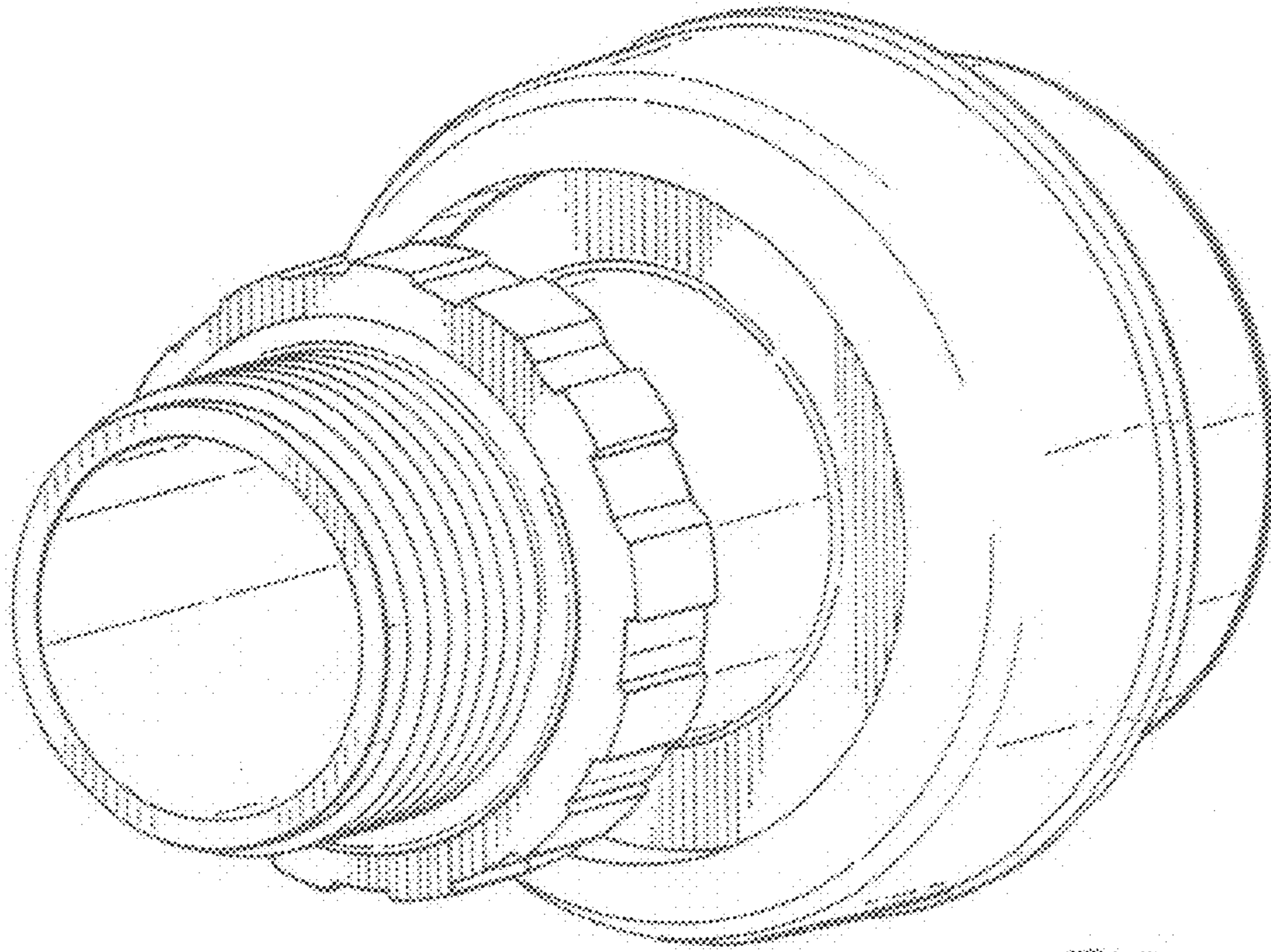


FIG. 1.

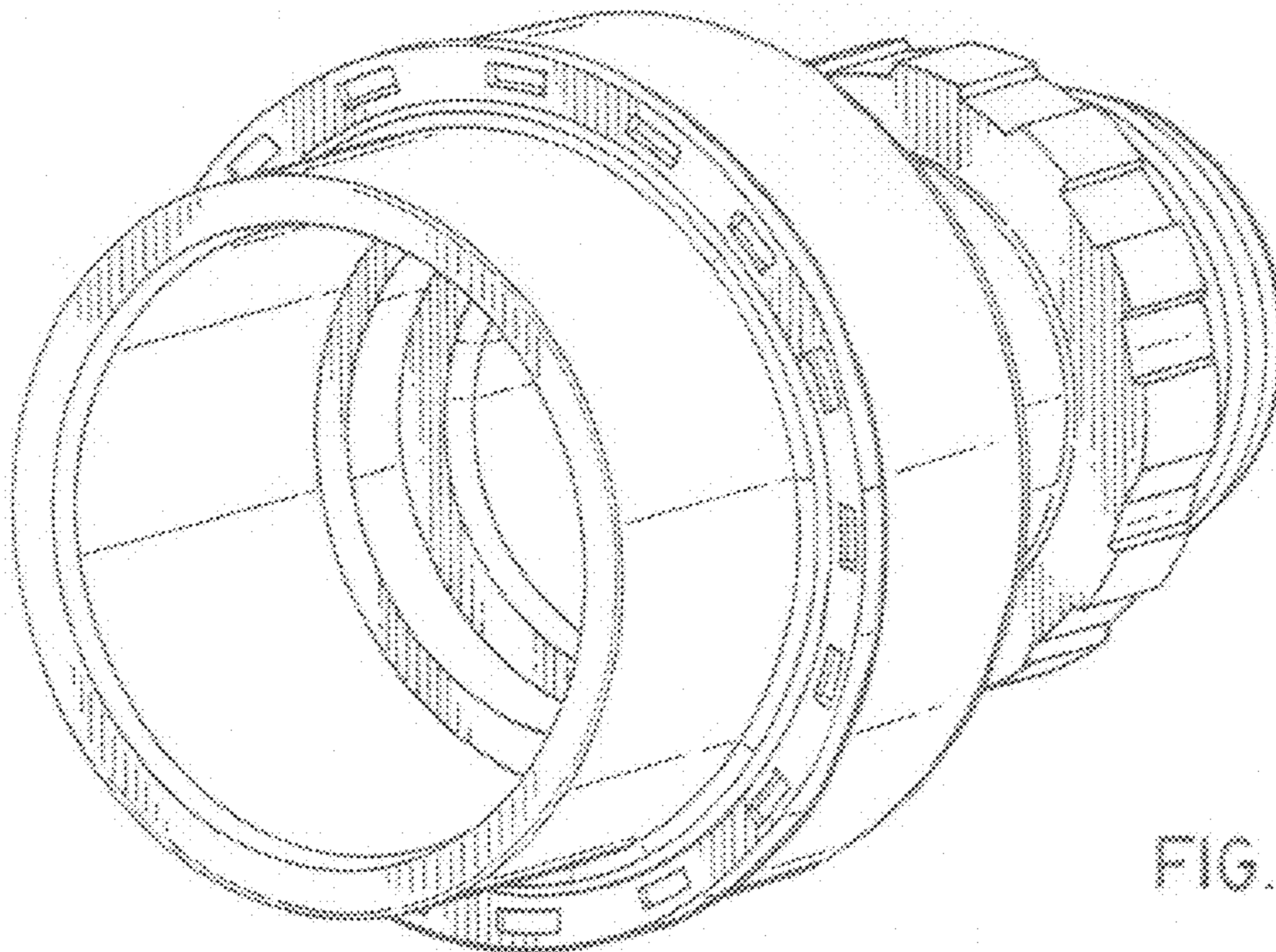


FIG. 2.

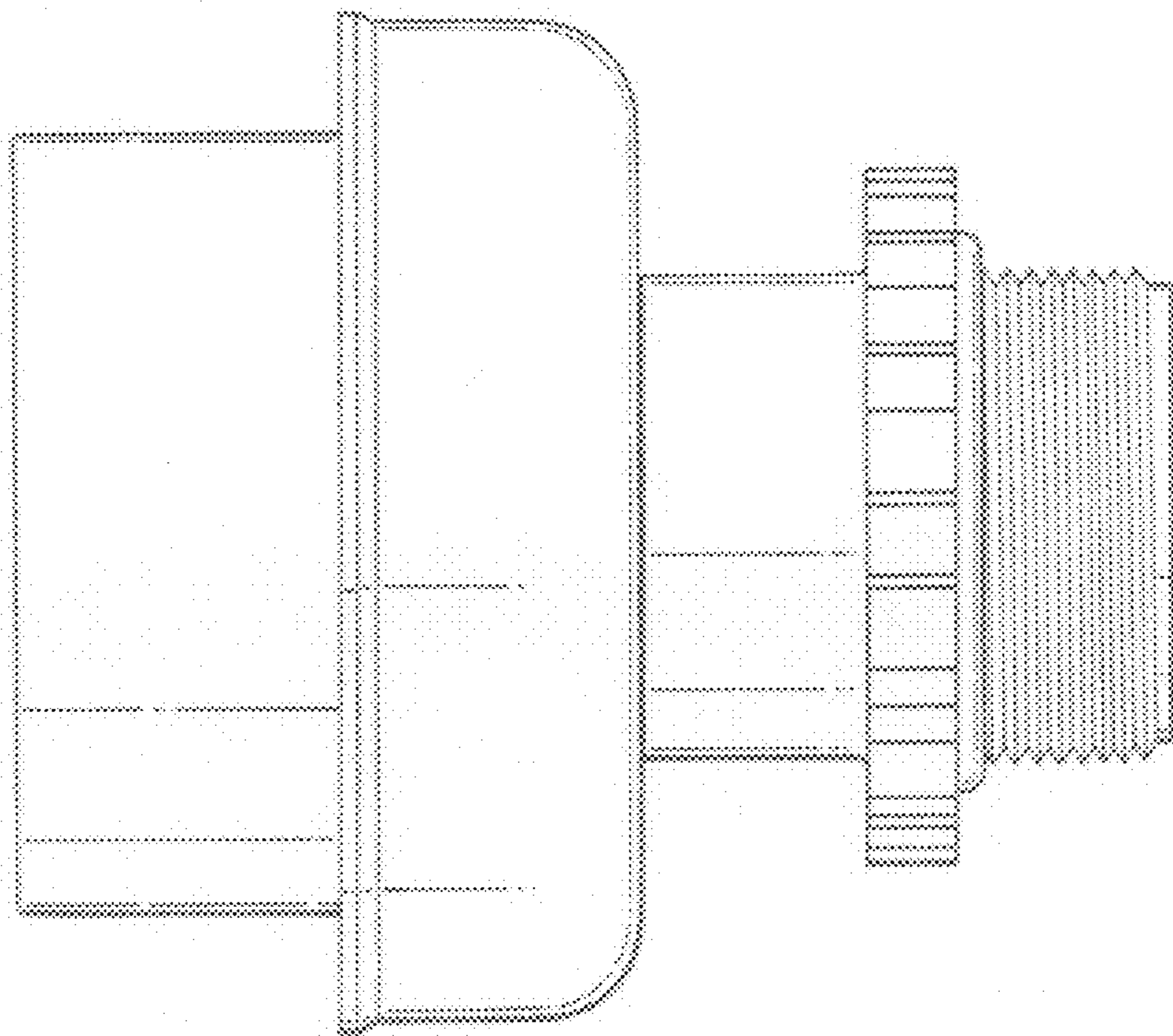


FIG. 3.

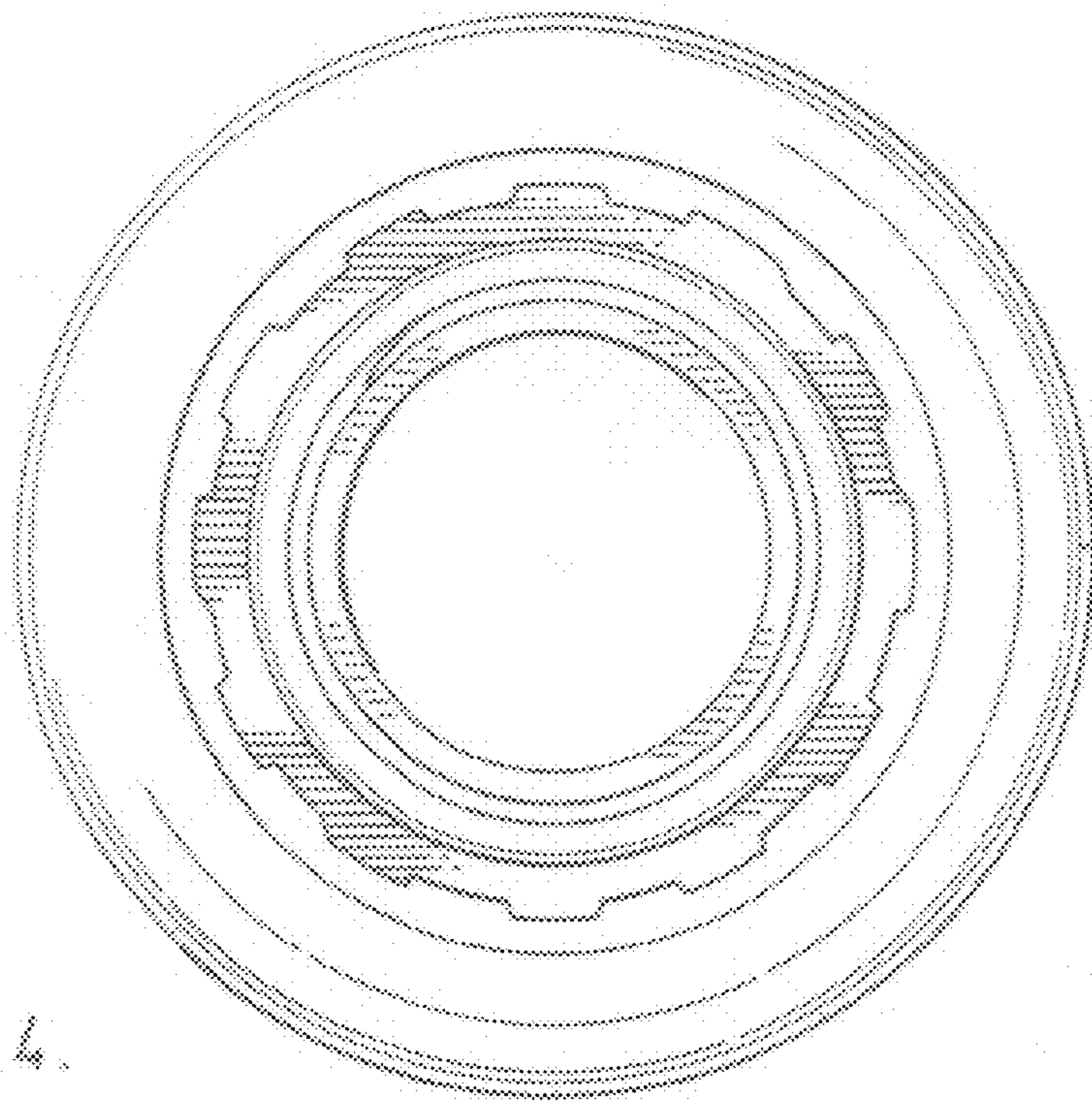


FIG. 4.

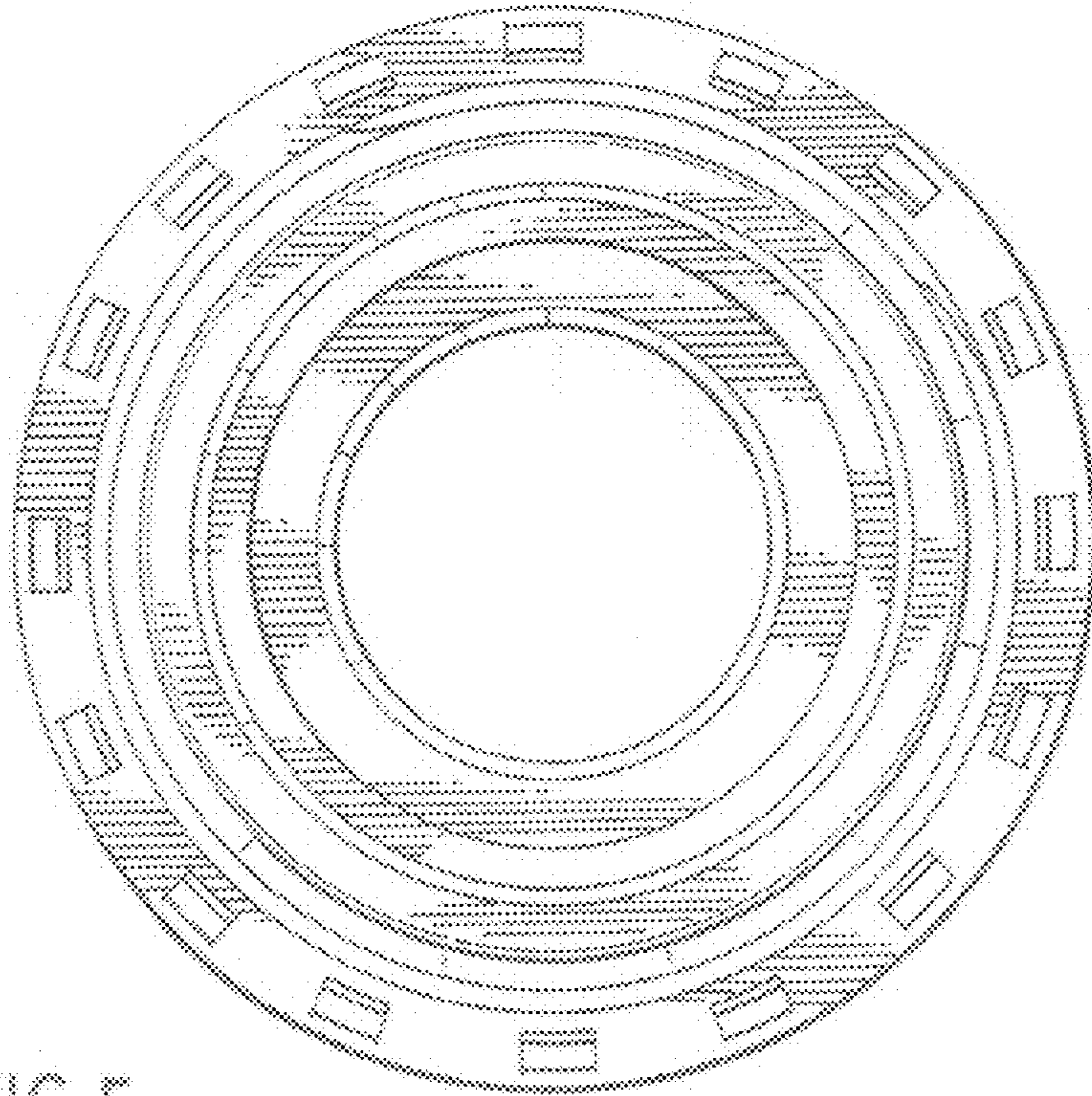


FIG. 5.

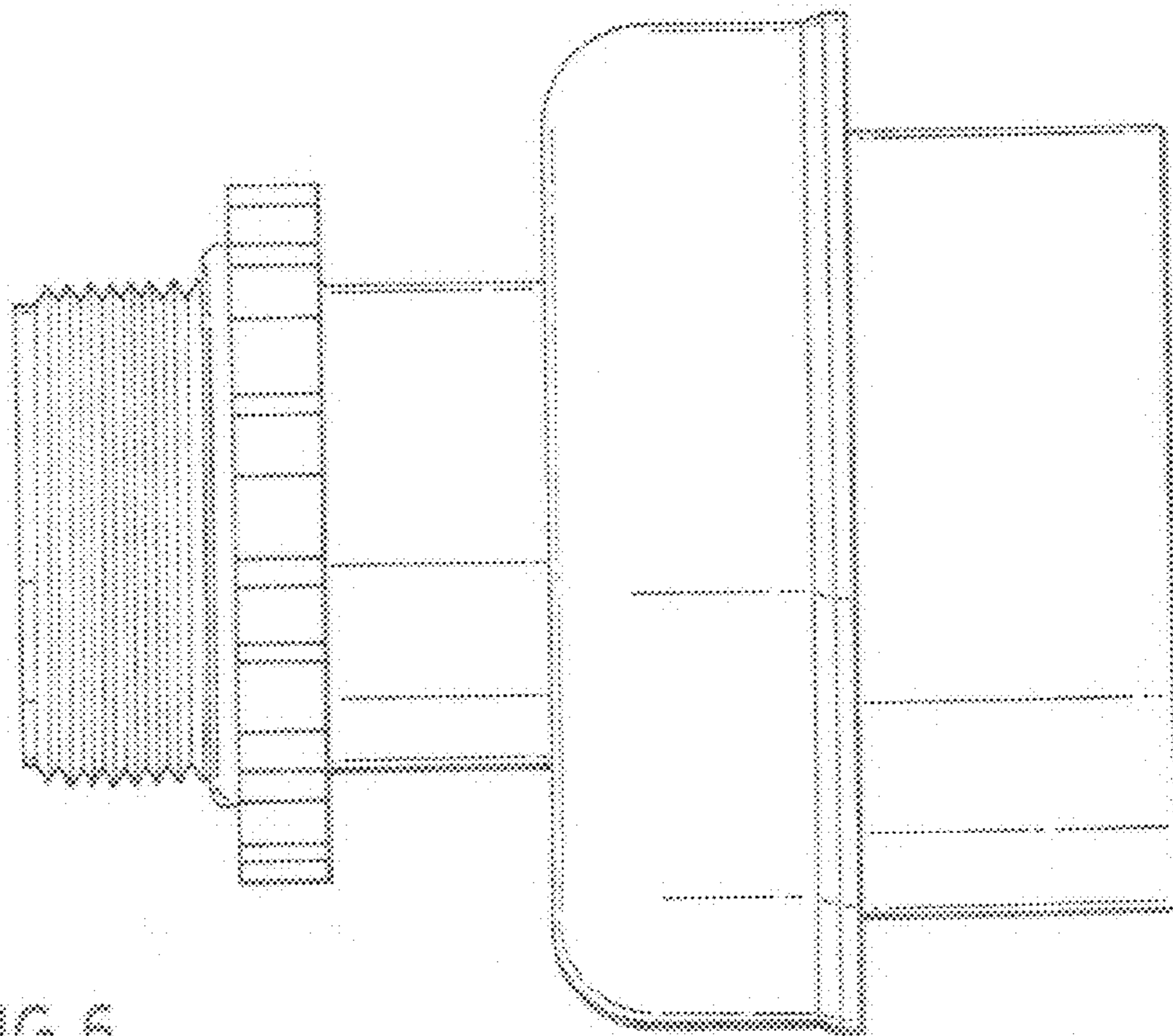


FIG. 6.