



US00D390955S

United States Patent [19]

[11] Patent Number: **Des. 390,955**

Sjostrom et al.

[45] Date of Patent: ****Feb. 17, 1998**

[54] HUB FOR A SURGICAL INSTRUMENT

[75] Inventors: **Douglas D. Sjostrom**, Reading, Mass.;
Peter M. Cesarini, Londonderry, N.H.

[73] Assignee: **Smith & Nephew, Inc.**, Andover, Mass.

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

[21] Appl. No.: **61,397**

[22] Filed: **Oct. 23, 1996**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 45,832, Oct. 31, 1995, Pat. No. Des. 381,425.

[51] LOC (6) Cl. **24-02**

[52] U.S. Cl. **D24/146**

[58] Field of Search D24/146, 145;
D15/138, 139; 606/79, 80, 96, 170, 181;
128/751

[56] References Cited

U.S. PATENT DOCUMENTS

Re. 34,556	3/1994	Sjostrom et al.	606/170
D. 285,343	8/1986	Duarte-Martins, Jr.	D24/147
D. 287,031	12/1986	Anspach, Jr.	D24/147
D. 303,148	8/1989	Rexroth et al.	D24/28
D. 307,472	4/1990	Soderberg	D24/146
D. 317,045	5/1991	Edwardson	D24/146
D. 322,479	12/1991	Miyaguchi	D24/146
D. 323,556	1/1992	Miyaguchi	D24/146

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

2916221	3/1980	Germany
3341876	10/1992	Germany

OTHER PUBLICATIONS

Product brochure, "Aesculap Integral Shaver System," Aesculap AG, Orthopaedic Division.

"Unidrive—A New Shaver System for Surgical Arthroscopy," Endo World, Art No. 3-E, 1994, Karl Storz GmbH & Co., Tuttlingen, Germany and Karl Storz Endoscopy, America.

Product brochure, "A Revolutionary New Shaver System With Quality You Can Count On," Arthrex, Inc., 1994.

Product brochure, "Apex. Peak Performance With Striking Power," Linvatec Corporation, 1995.

1996 Products Catalog, Smith & Nephew Endoscopy, Jan. 1, 1996.

Primary Examiner—Doris Clark

Attorney, Agent, or Firm—Fish & Richardson P.C.

[57] CLAIM

The ornamental design for a hub for a surgical instrument, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a hub for a surgical instrument showing our new design, with empty first and second holes on the top of the hub;

FIG. 2 is a side elevation view thereof;

FIG. 3 is a side elevation view thereof, opposite that shown in FIG. 2;

FIG. 4 is a front elevation view thereof;

FIG. 5 is a rear elevation view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is a perspective view of the hub for a surgical instrument shown in FIG. 1, with a magnet positioned in the first hole on the top of the hub;

FIG. 9 is a top plan view thereof;

FIG. 10 is a side elevation view thereof;

FIG. 11 is a perspective view of the hub for a surgical instrument shown in FIG. 1, with a magnet positioned in the second hole on the top of the hub;

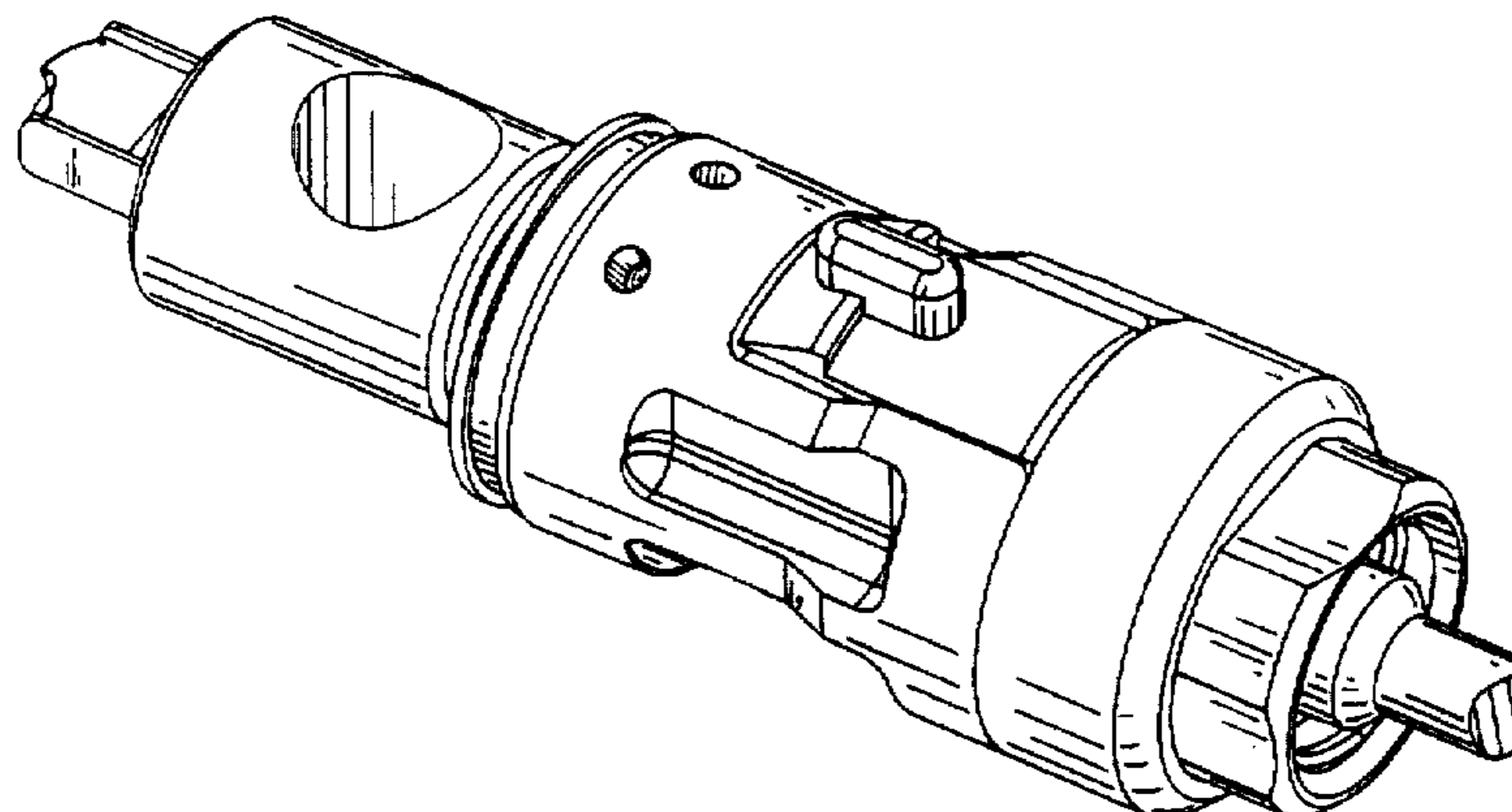
FIG. 12 is a top plan view thereof;

FIG. 13 is a side elevation view thereof;

FIG. 14 is a perspective view of the hub for a surgical instrument shown in FIG. 1, with magnets positioned in the first and second holes on the top of the hub; and,

FIG. 15 is a top plan view thereof.

1 Claim, 6 Drawing Sheets



U.S. PATENT DOCUMENTS

2,842,131	7/1958	Smith	606/80	5,171,245	12/1992	Cezana	606/86
4,188,942	2/1980	Fehlberg	128/6	5,217,478	6/1993	Rexroth	606/180
4,456,010	6/1984	Reimels et al.	606/80	5,312,411	5/1994	Steele et al.	606/79
4,895,570	1/1990	Larkin	604/411	5,344,428	9/1994	Griffiths	128/751
				5,380,333	1/1995	Meloul et al.	606/80
				5,496,323	3/1996	Pye	606/79

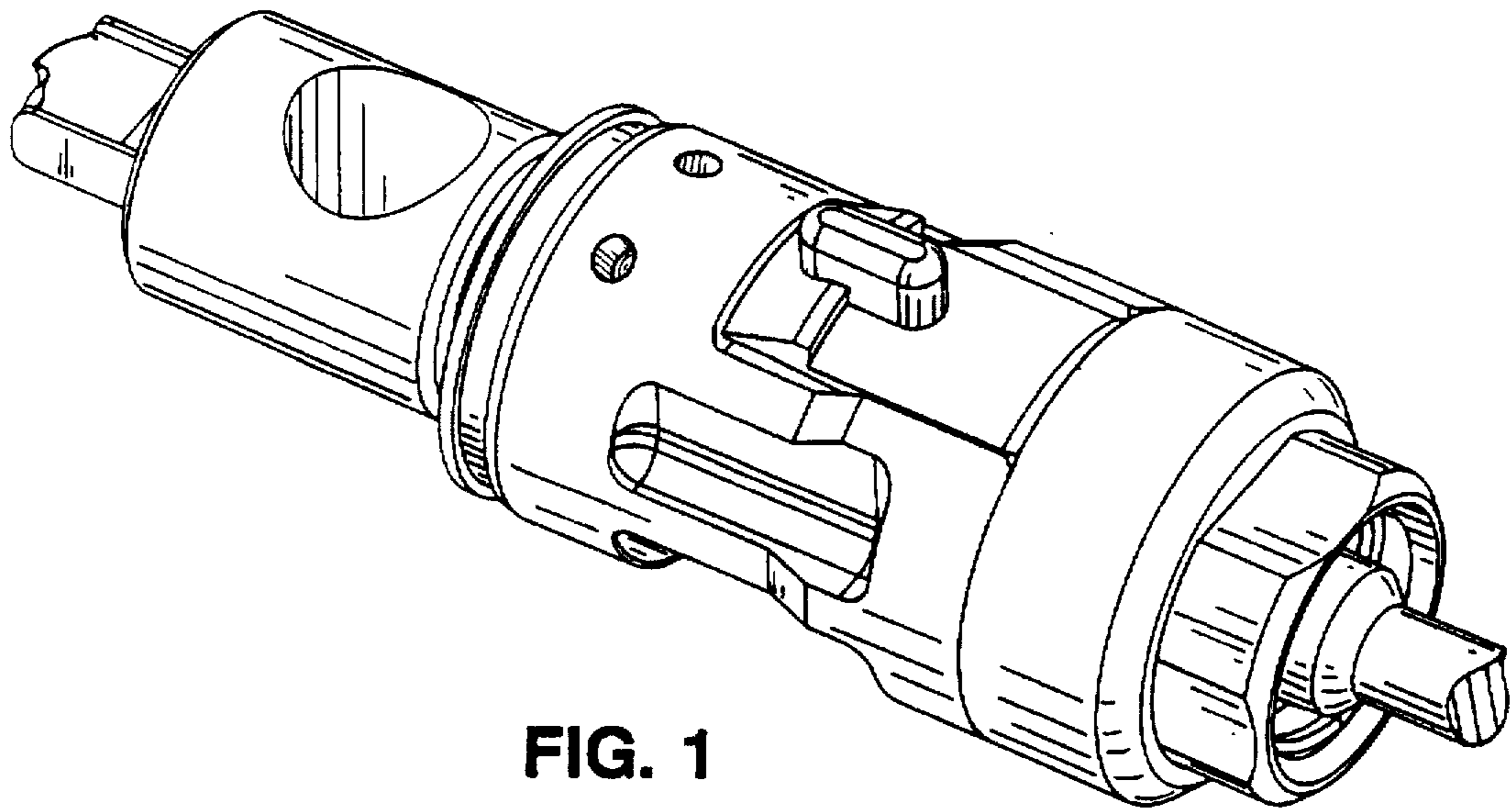


FIG. 1

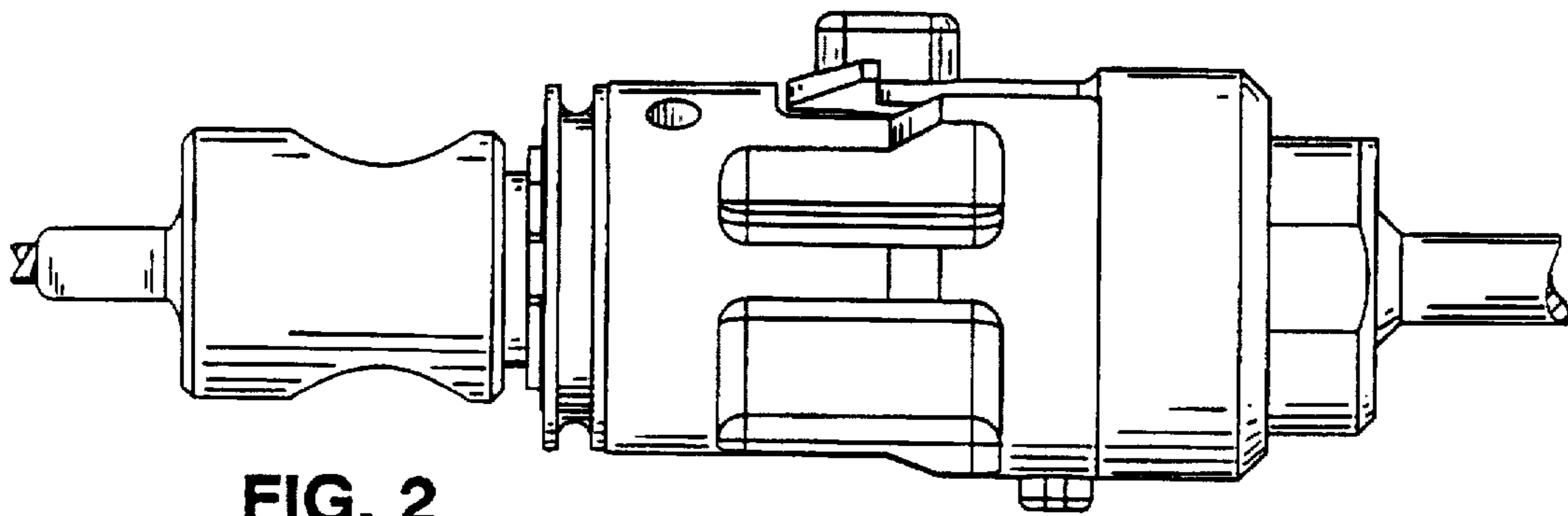


FIG. 2

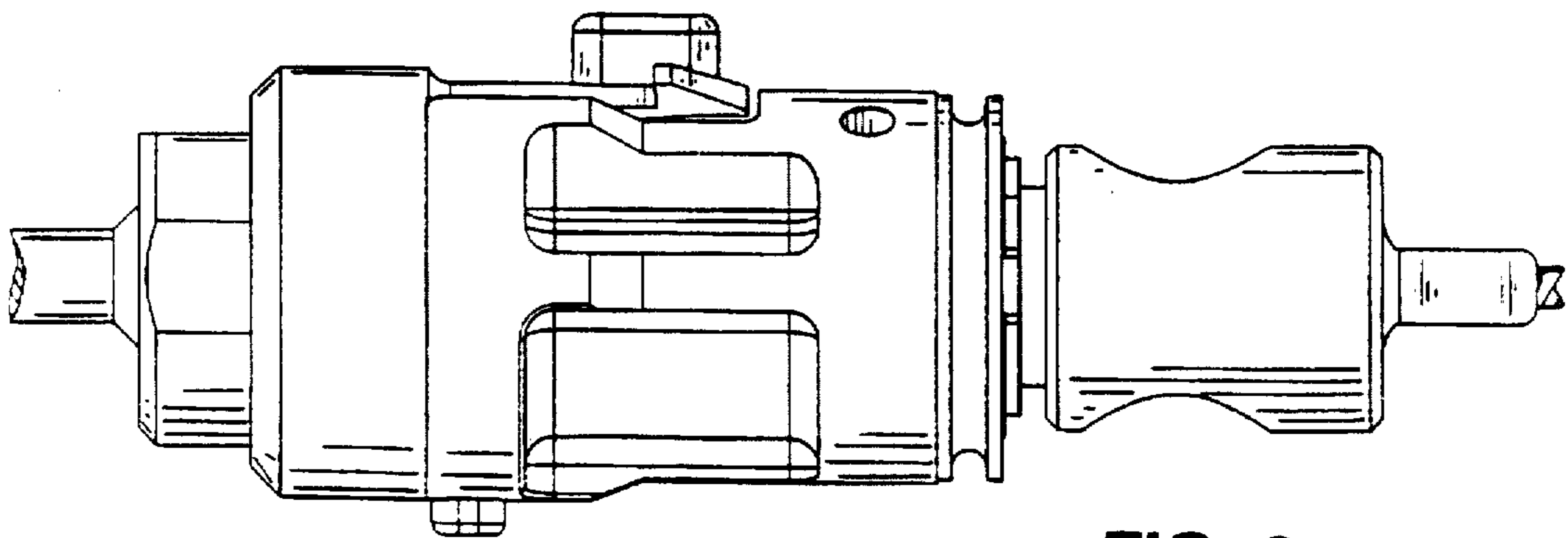


FIG. 3

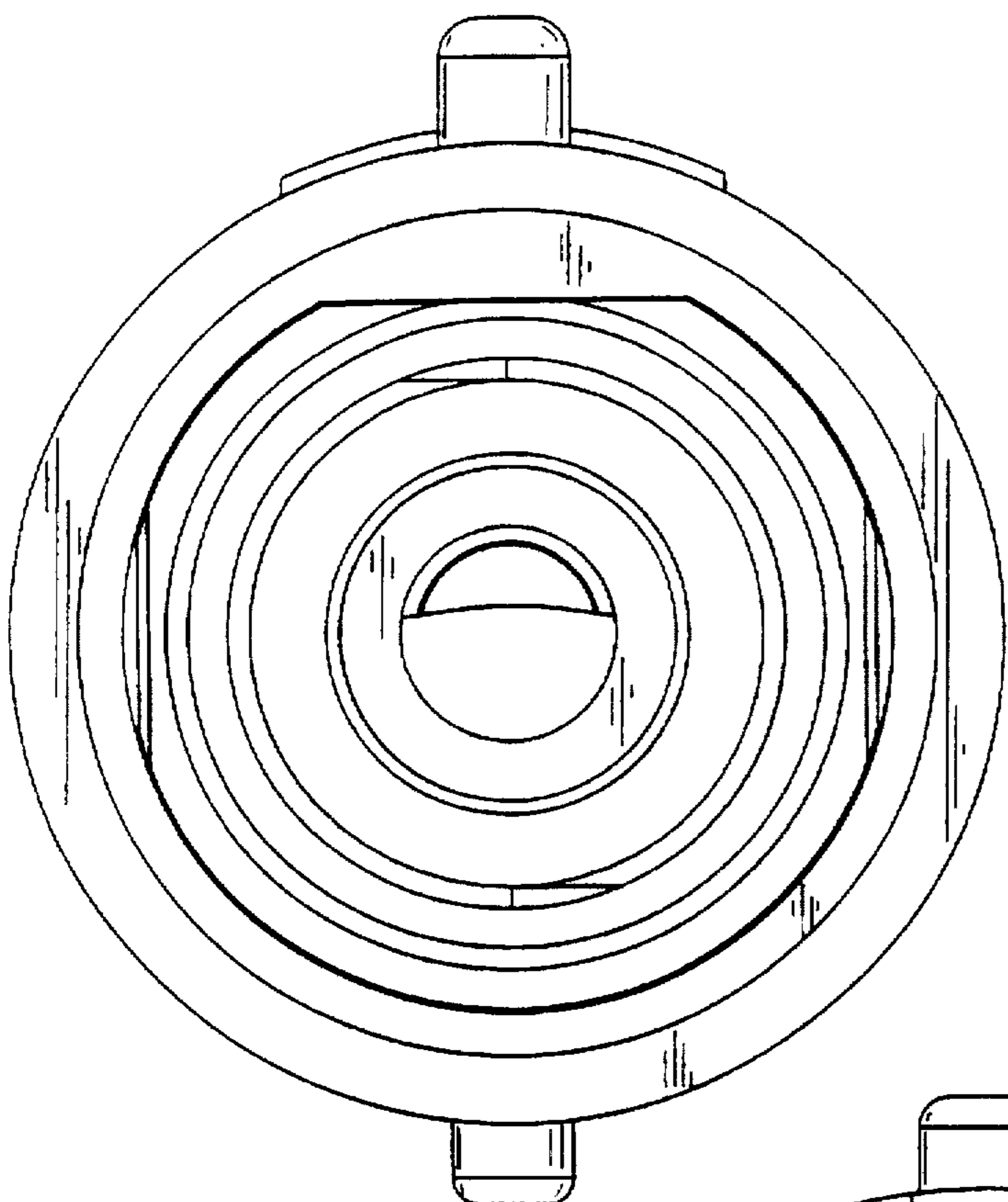


FIG. 4

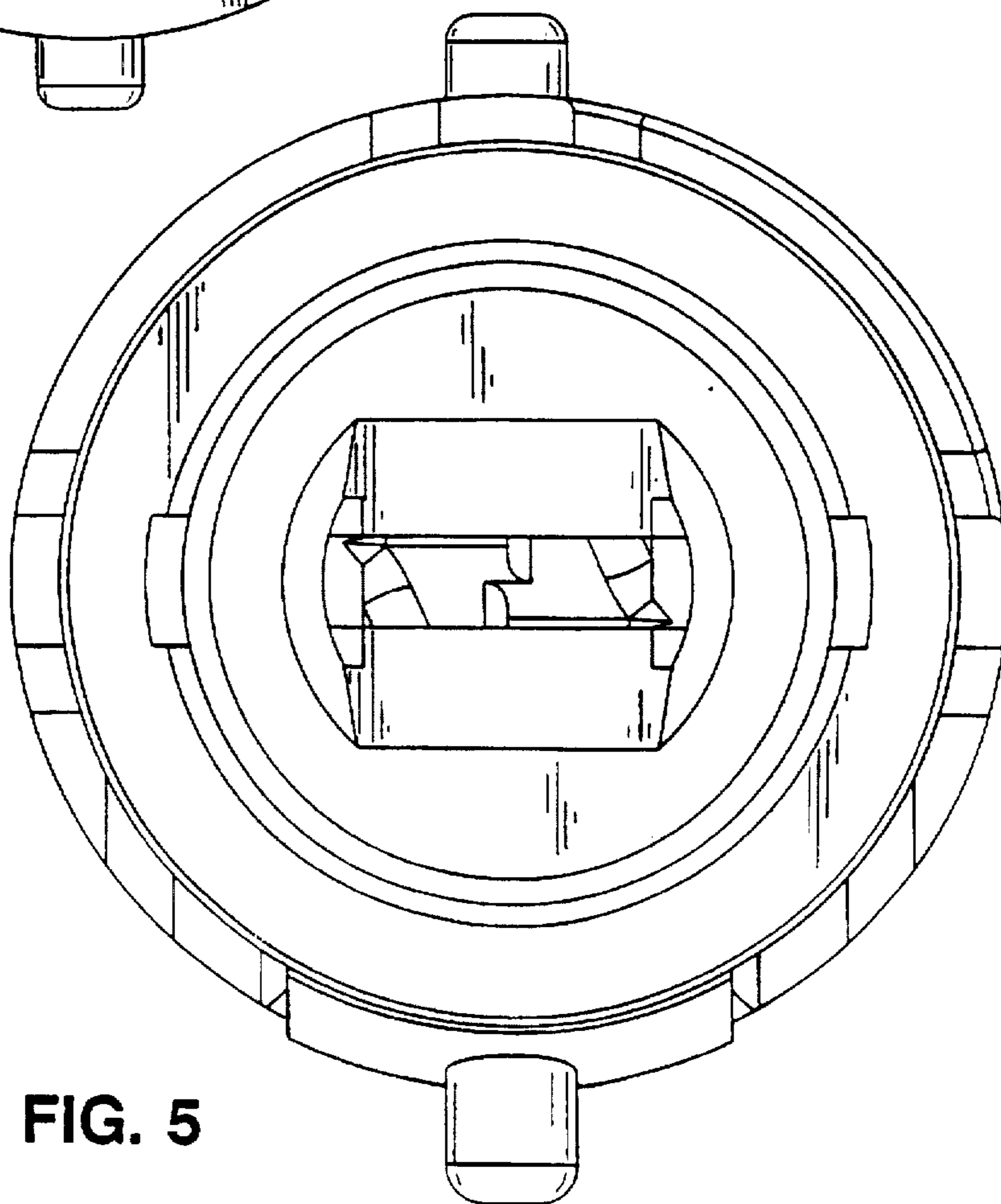


FIG. 5

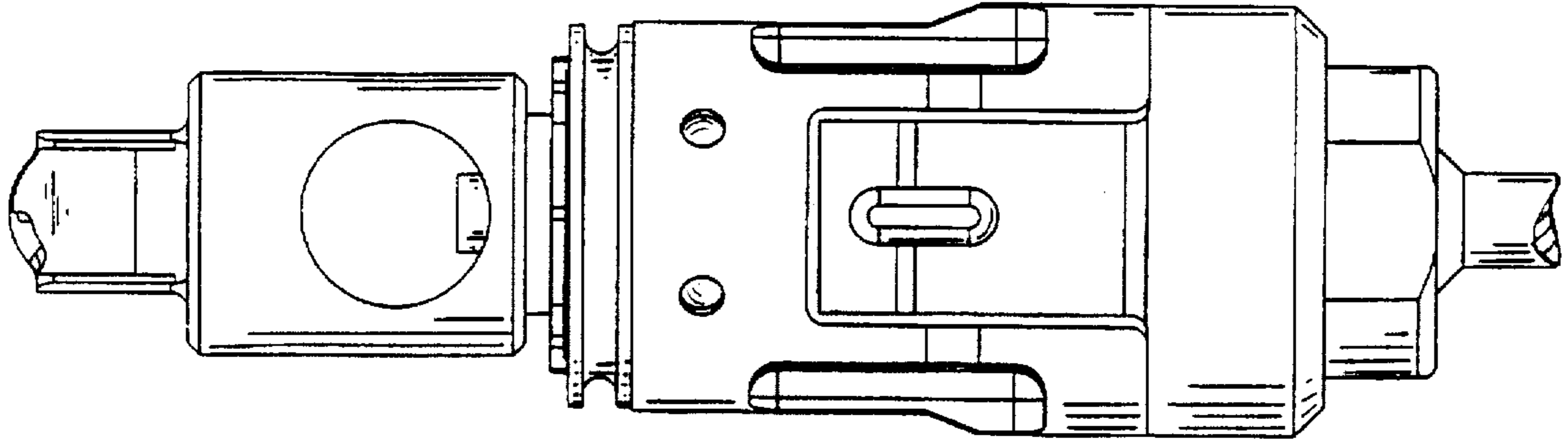


FIG. 6

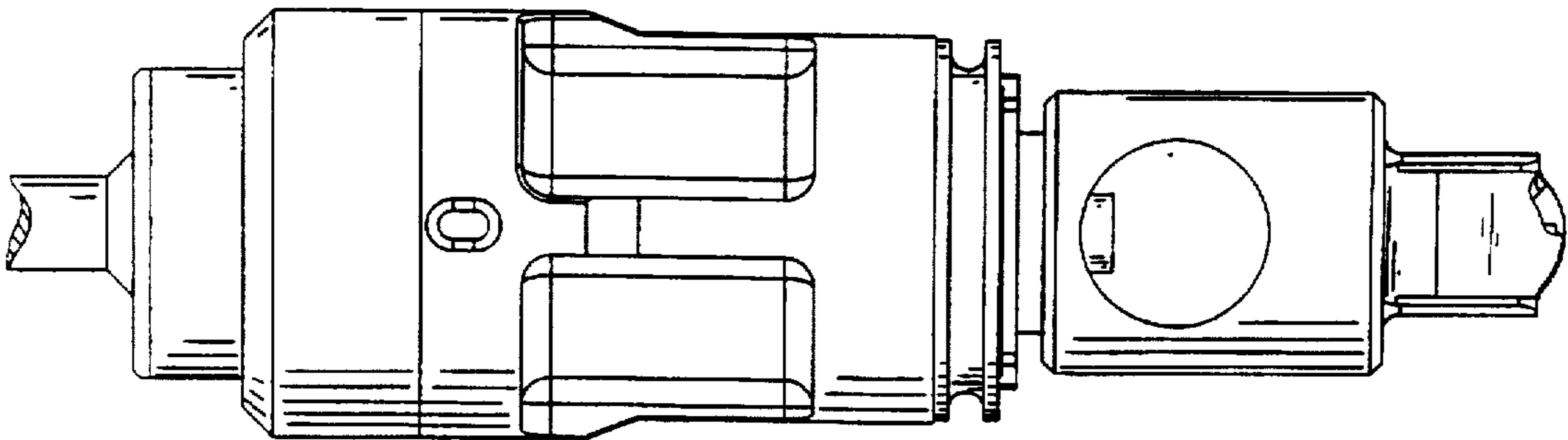


FIG. 7

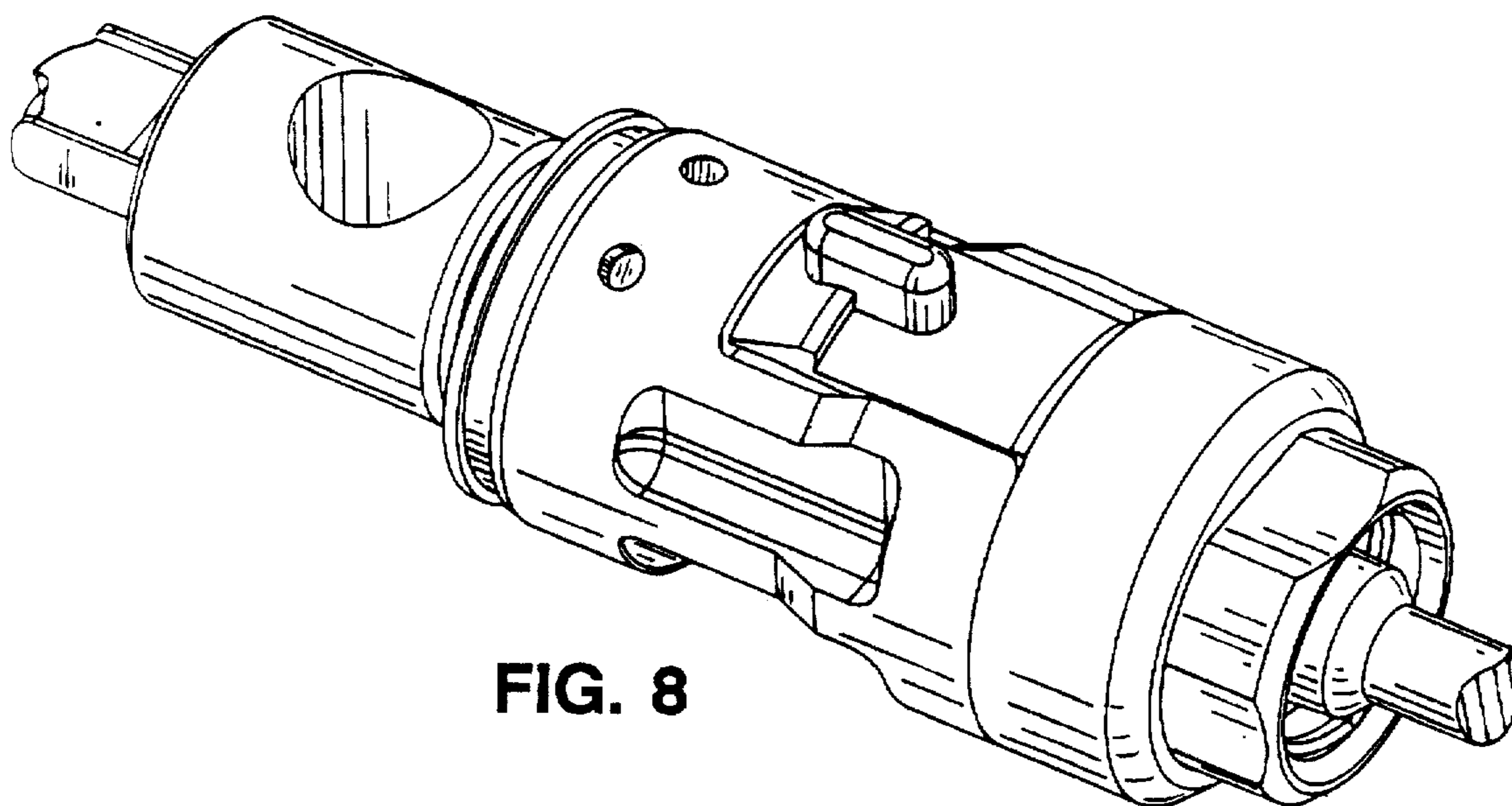


FIG. 8

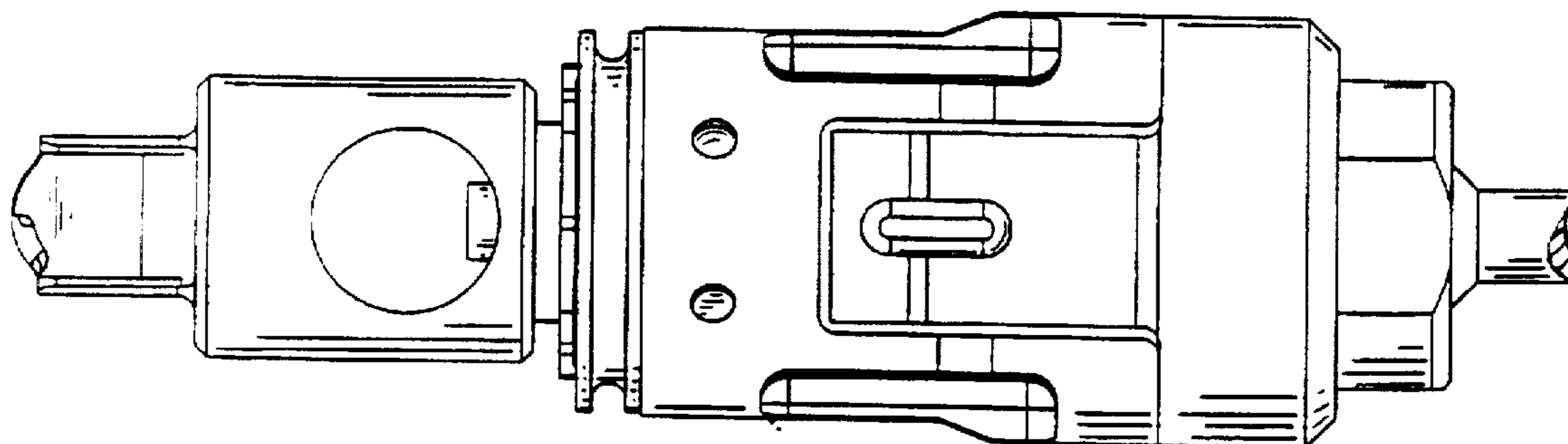


FIG. 9

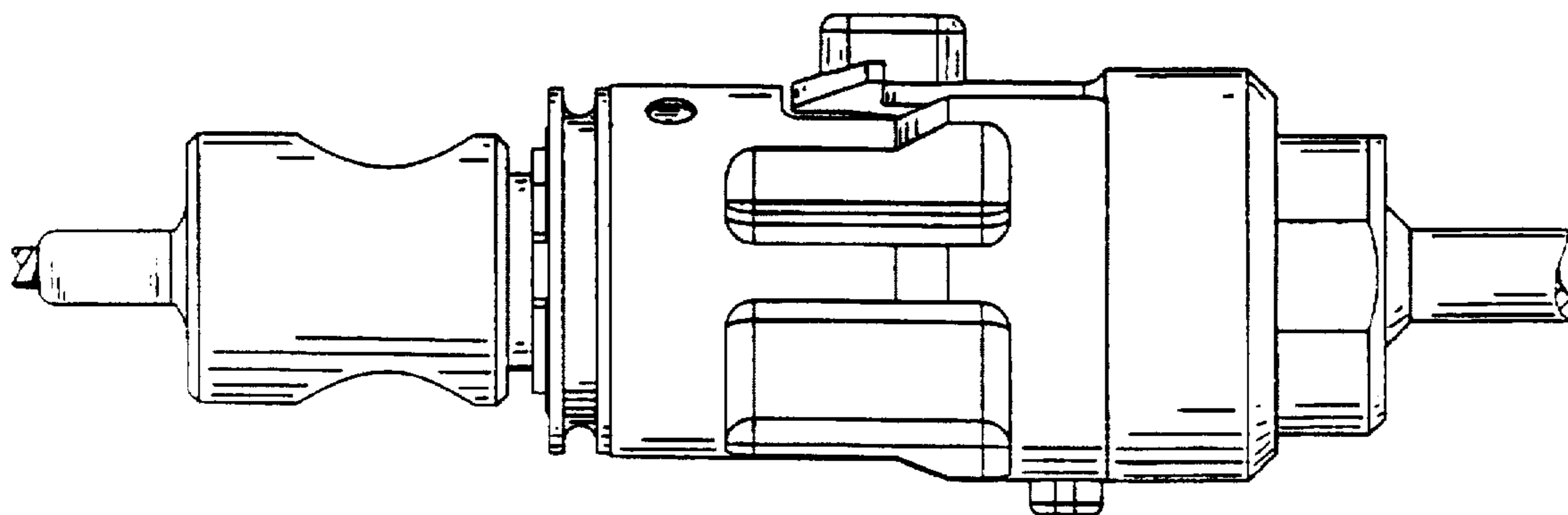


FIG. 10

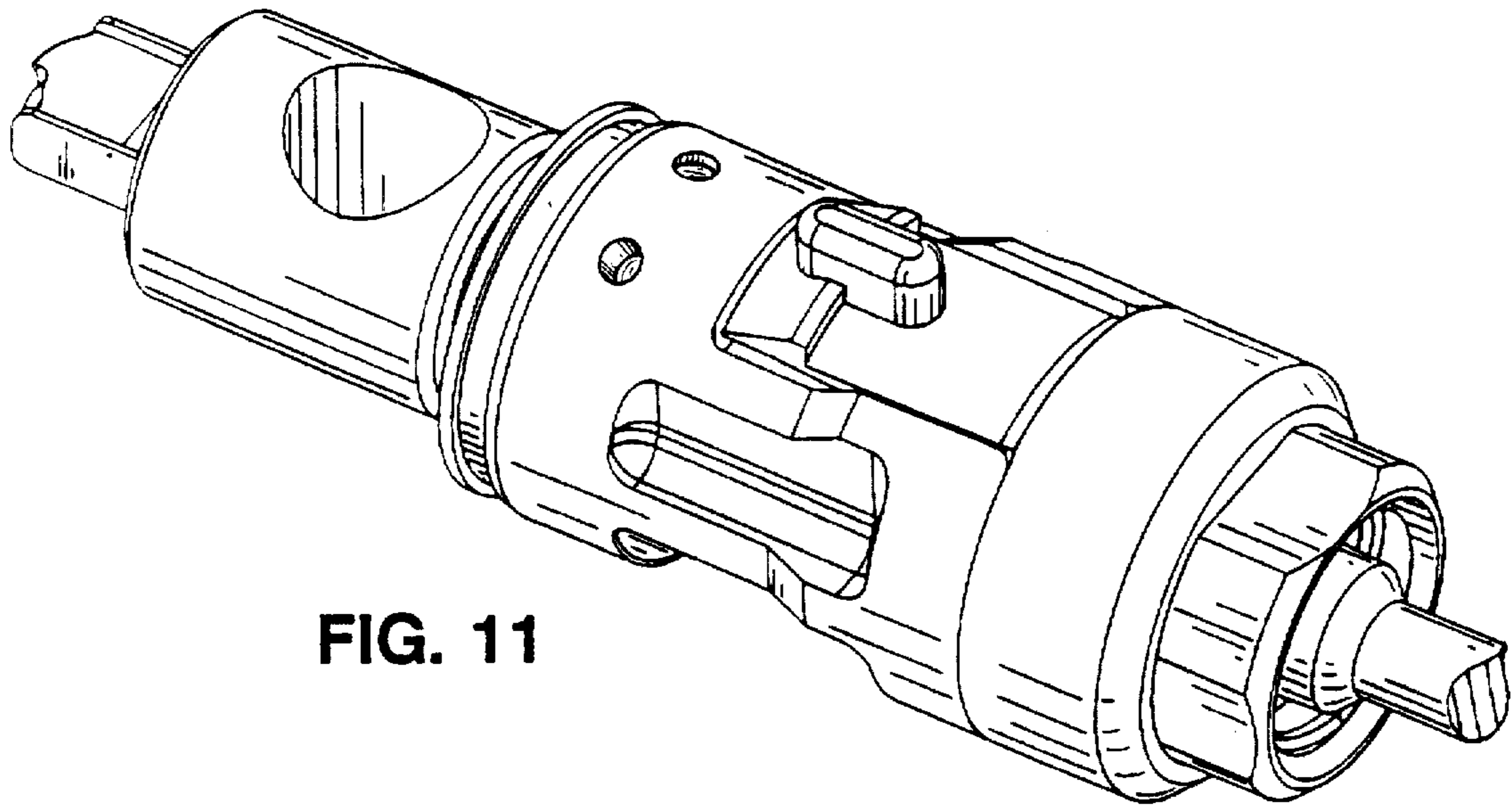


FIG. 11

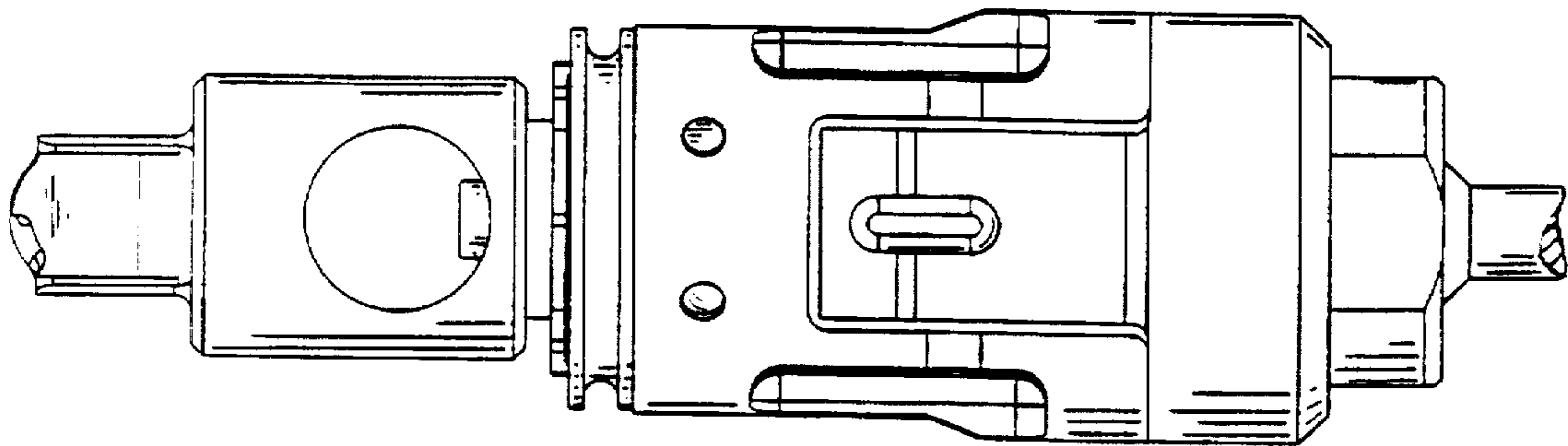


FIG. 12

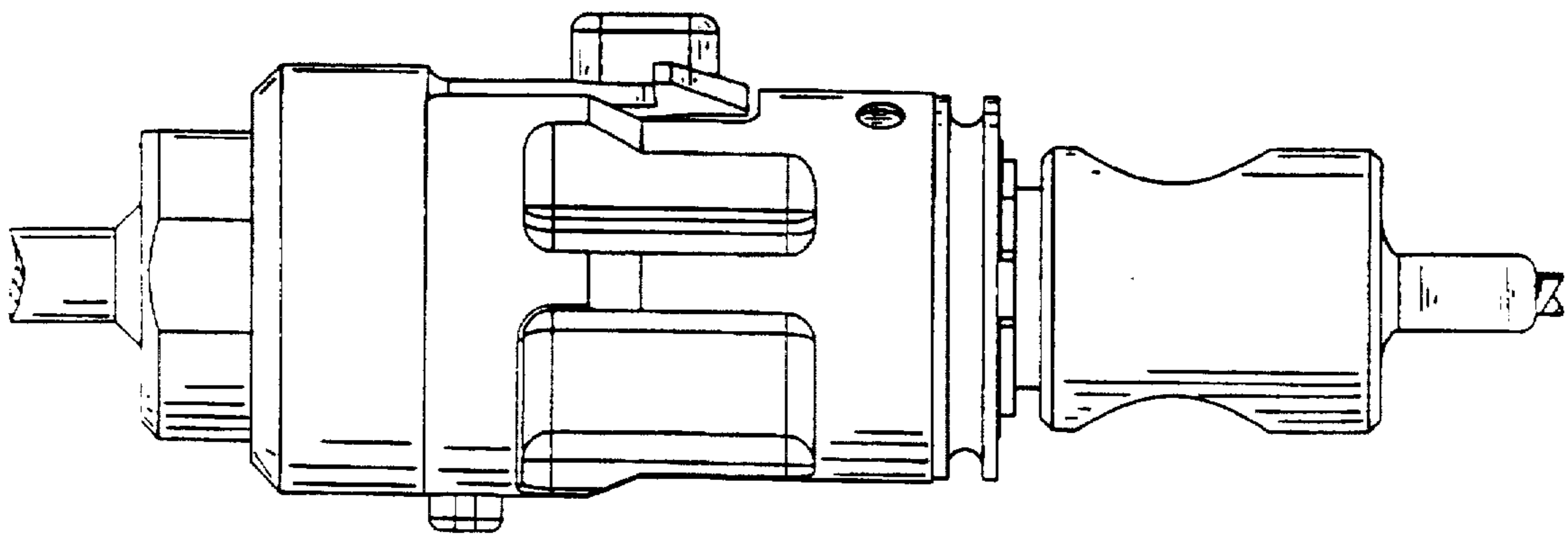


FIG. 13

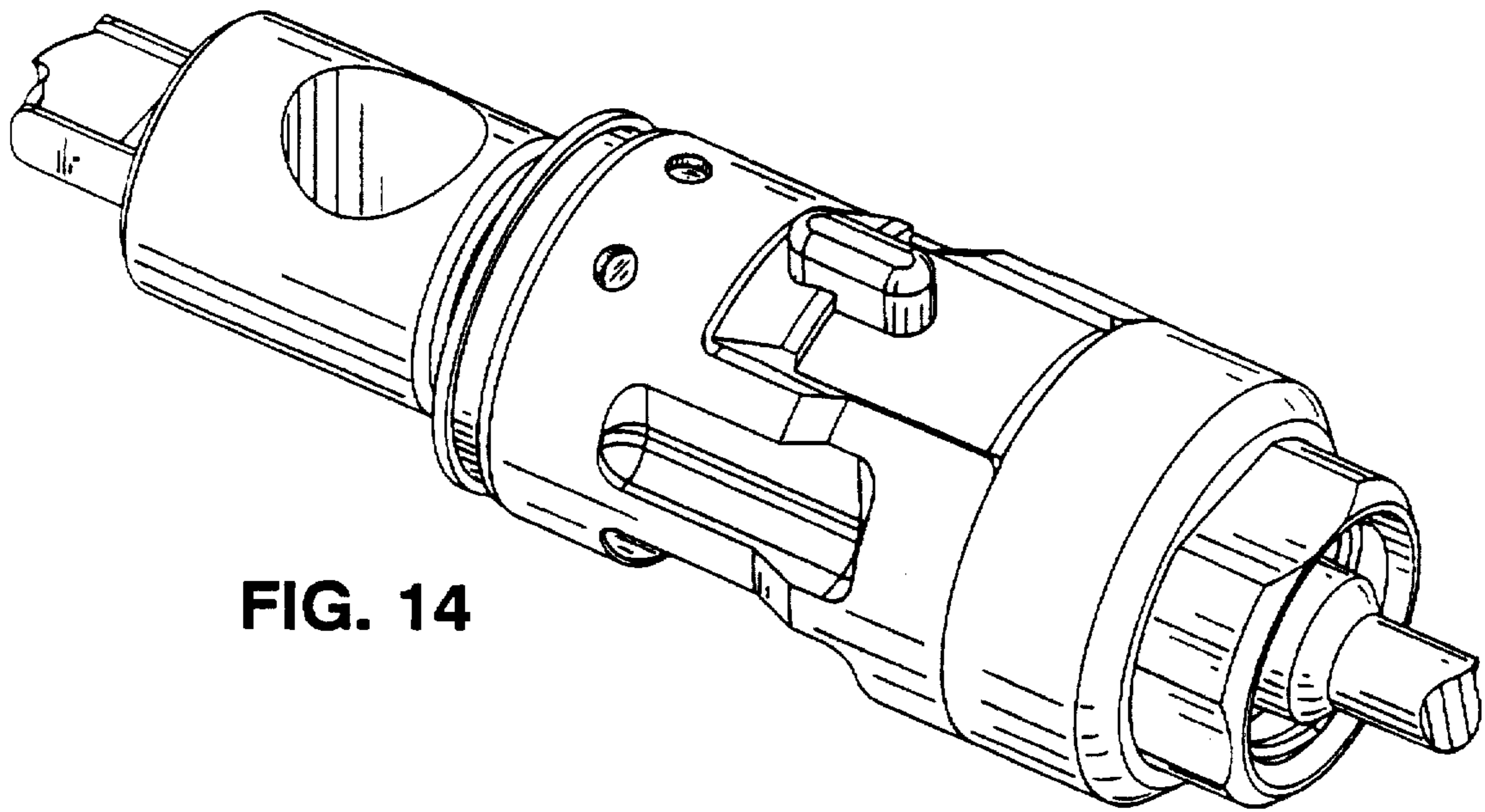


FIG. 14

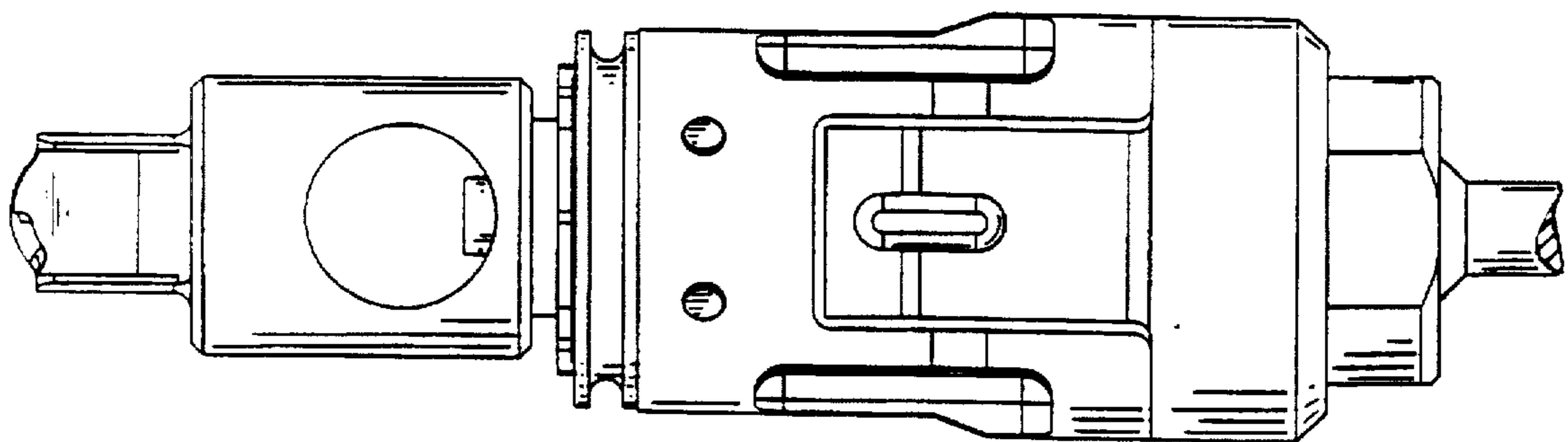


FIG. 15