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(12) **United States Design Patent**
Moreira et al.

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(45) **Date of Patent:** **** Jul. 14, 2015**

(54) **FUEL FILTER**

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(73) Assignee: **Mahle Metal Leve S/A**, Jundai (BR)

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

(21) Appl. No.: **29/407,725**

(22) Filed: **Dec. 1, 2011**

(30) **Foreign Application Priority Data**

Jun. 3, 2011 (BR) 7102792

(51) **LOC (10) Cl.** **15-01**

(52) **U.S. Cl.**

USPC **D15/5**; D23/209

(58) **Field of Classification Search**

USPC D15/1-5; D23/207, 209; 210/497.01, 210/498, 493.5, 282, 493.2, 450, 493.1

CPC B01D 35/153; B01D 35/30; B01D 27/08; B01D 35/027; B01D 29/114; B01D 2201/291;

F02M 37/106; F02M 63/0225; F02B 3/06;

F02B 61/045; F02B 2075/025; F02B

2075/125; F02B 75/22

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | |
|-----------|------|---------|----------------------|-------|---------|
| 2,149,745 | A * | 3/1939 | Osborn et al. | ..... | 210/312 |
| 2,583,812 | A * | 1/1952 | Briggs et al. | ..... | 210/445 |
| 3,002,870 | A * | 10/1961 | Belgarde et al. | ..... | 156/70 |
| 3,240,342 | A * | 3/1966 | Callahan, Jr. et al. | ..... | 210/232 |
| D232,551 | S * | 8/1974 | Grover | ..... | D23/209 |
| 5,543,007 | A * | 8/1996 | Takagaki et al. | ..... | 156/189 |
| 5,979,668 | A * | 11/1999 | Kane et al. | ..... | 210/446 |
| 6,171,492 | B1 * | 1/2001 | Hedgepeth et al. | ..... | 210/243 |
| 6,379,564 | B1 * | 4/2002 | Rohrbach et al. | ..... | 210/765 |

(Continued)

OTHER PUBLICATIONS

Fram Filtros Original So/Gefi; Boletim Tecnico; Lancamento de Produto; Filtro Do Comustivel Fiat Siena—Tetrafuel G9893F; No. 296; Downloaded from www.fram.com.br.; dated Jul. 12, 2011.

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(57) **CLAIM**

We claim the ornamental design for a fuel filter, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an embodiment of a fuel filter showing our new design;

FIG. 2 is a top plan view thereof, the bottom view being a mirror image;

FIG. 3 is a left side elevation view thereof;

FIG. 4 is a right side elevation view thereof;

FIG. 5 is a front elevation view thereof;

FIG. 6 is a rear elevation view thereof;

FIG. 7 is a perspective view of another embodiment of a fuel filter showing our new design;

FIG. 8 is a top plan view thereof, the bottom view being a mirror image;

FIG. 9 is a left side elevation view thereof;

FIG. 10 is a right side elevation view thereof;

FIG. 11 is a front elevation view thereof;

FIG. 12 is a rear elevation view thereof;

FIG. 13 is a perspective view of yet another embodiment of a fuel filter showing our new design;

FIG. 14 is a top plan view thereof, the bottom view being a mirror image;

FIG. 15 is a left side elevation view thereof;

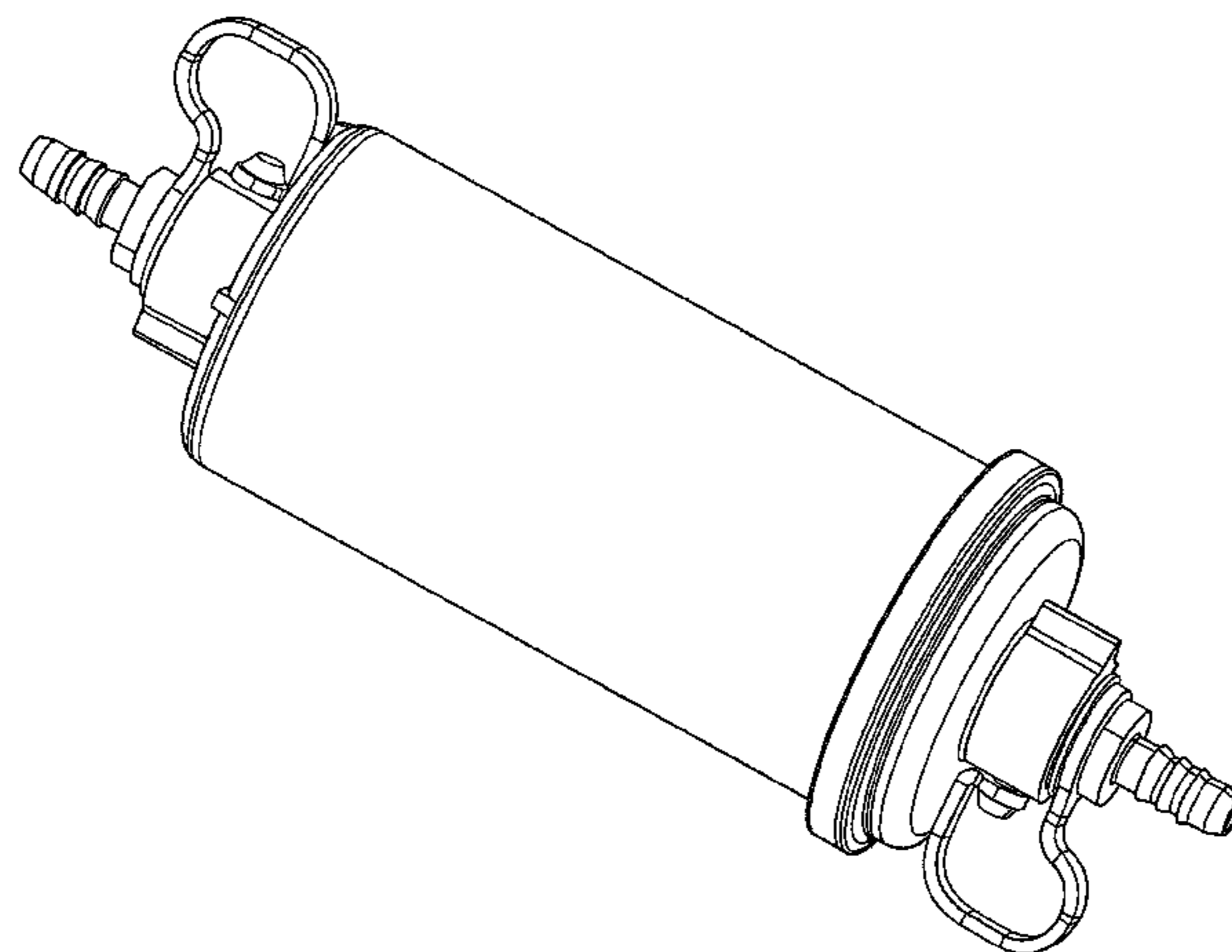
FIG. 16 is a right side elevation view thereof;

FIG. 17 is a front elevation view thereof; and,

FIG. 18 is a rear elevation view thereof.

The broken lines are directed to unclaimed features and form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | | | | | | |
|--------------|------|---------|--------------|-------|---------|--------------|------|---------|---------------|-------|-----------|
| 8,303,808 | B1 * | 11/2012 | Meyers | ..... | 210/136 | 2004/0256602 | A1 * | 12/2004 | Memmer | ..... | 252/500 |
| 2001/0002007 | A1 * | 5/2001 | Zupan et al. | ..... | 210/448 | 2007/0246027 | A1 * | 10/2007 | Kobayashi | ..... | 123/557 |
| 2003/0173280 | A1 * | 9/2003 | Mathew | ..... | 210/243 | 2008/0087245 | A1 * | 4/2008 | Gignac et al. | ..... | 123/195 A |
| | | | | | | 2012/0037556 | A1 * | 2/2012 | Beard et al. | ..... | 210/232 |

* cited by examiner

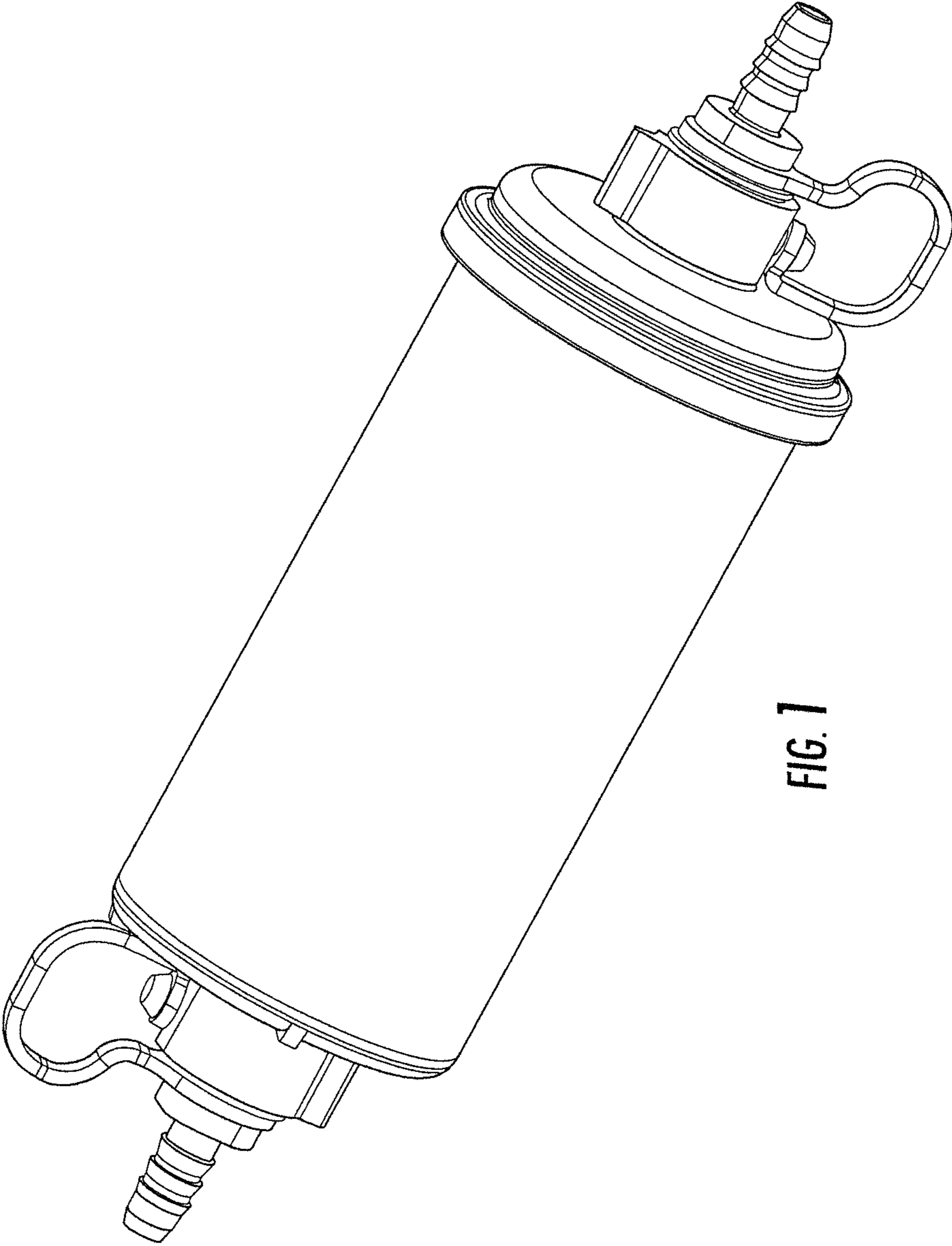


FIG. 1

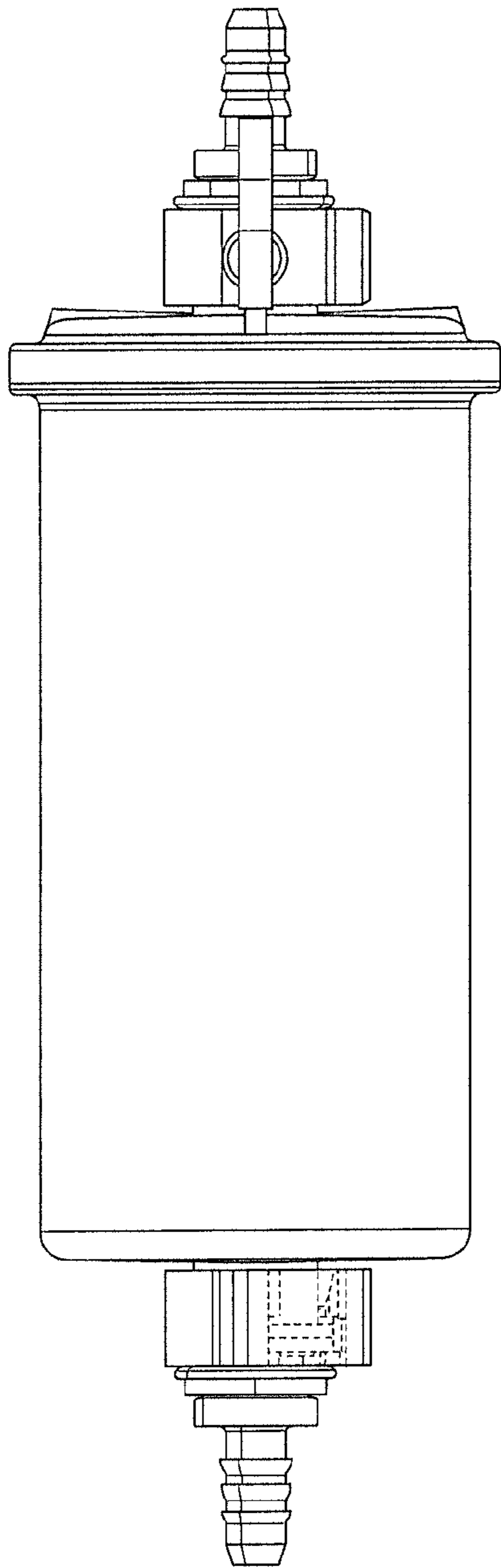


FIG. 2

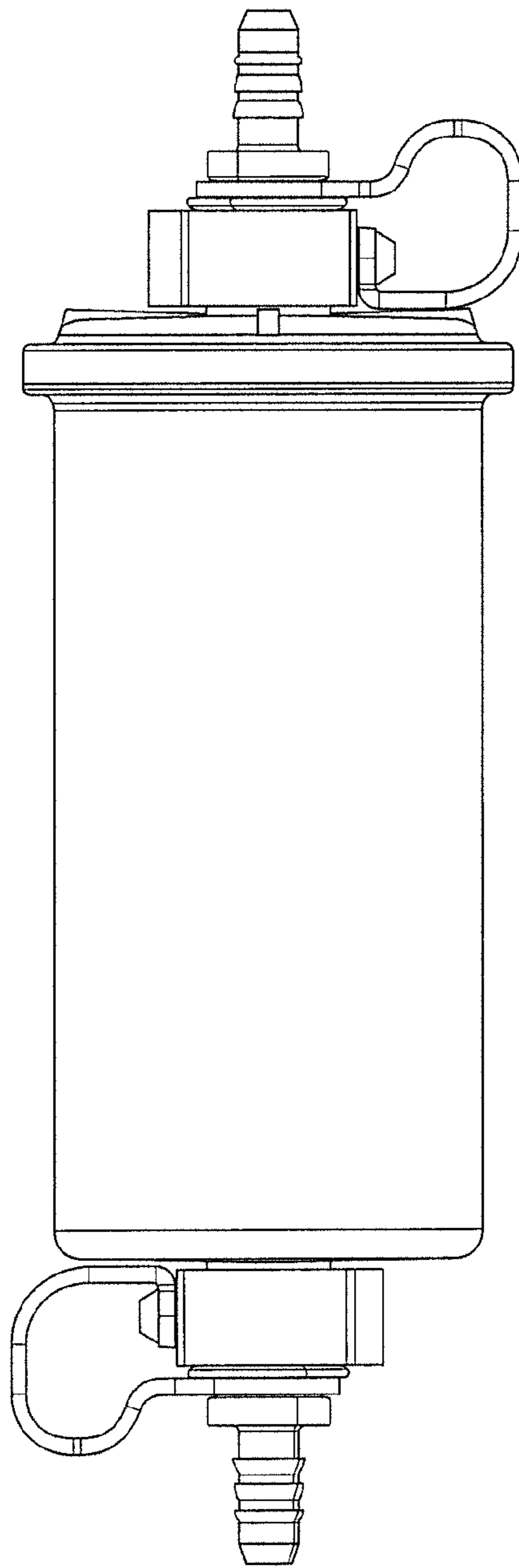


FIG. 3

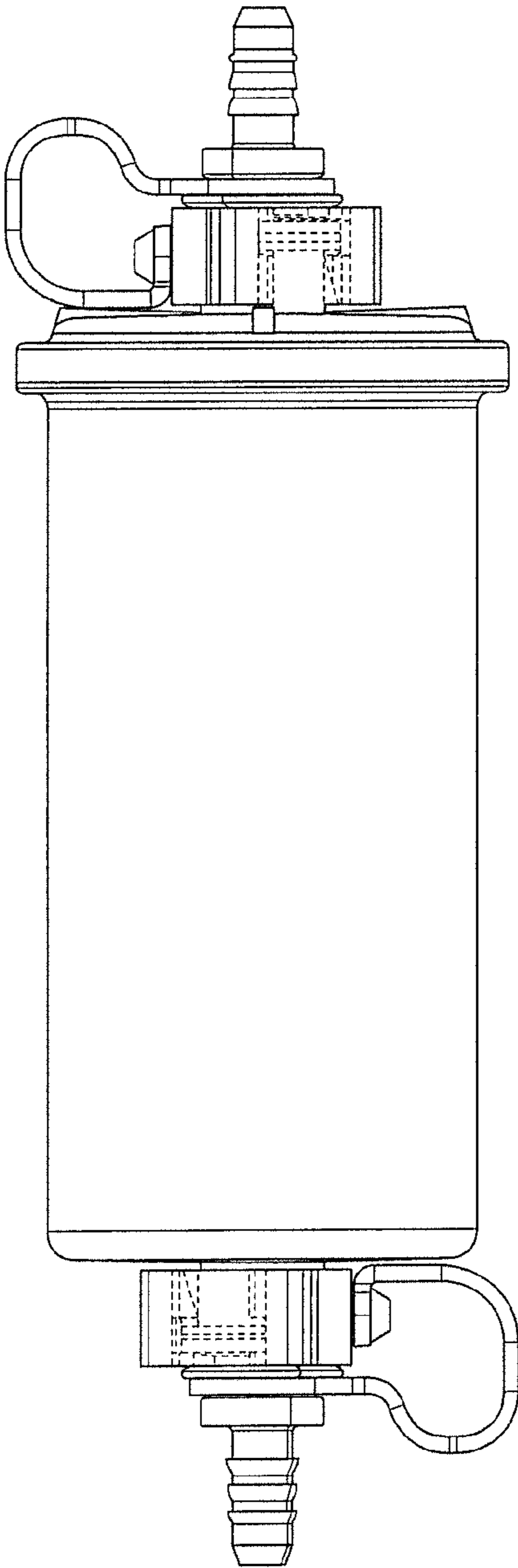


FIG. 4

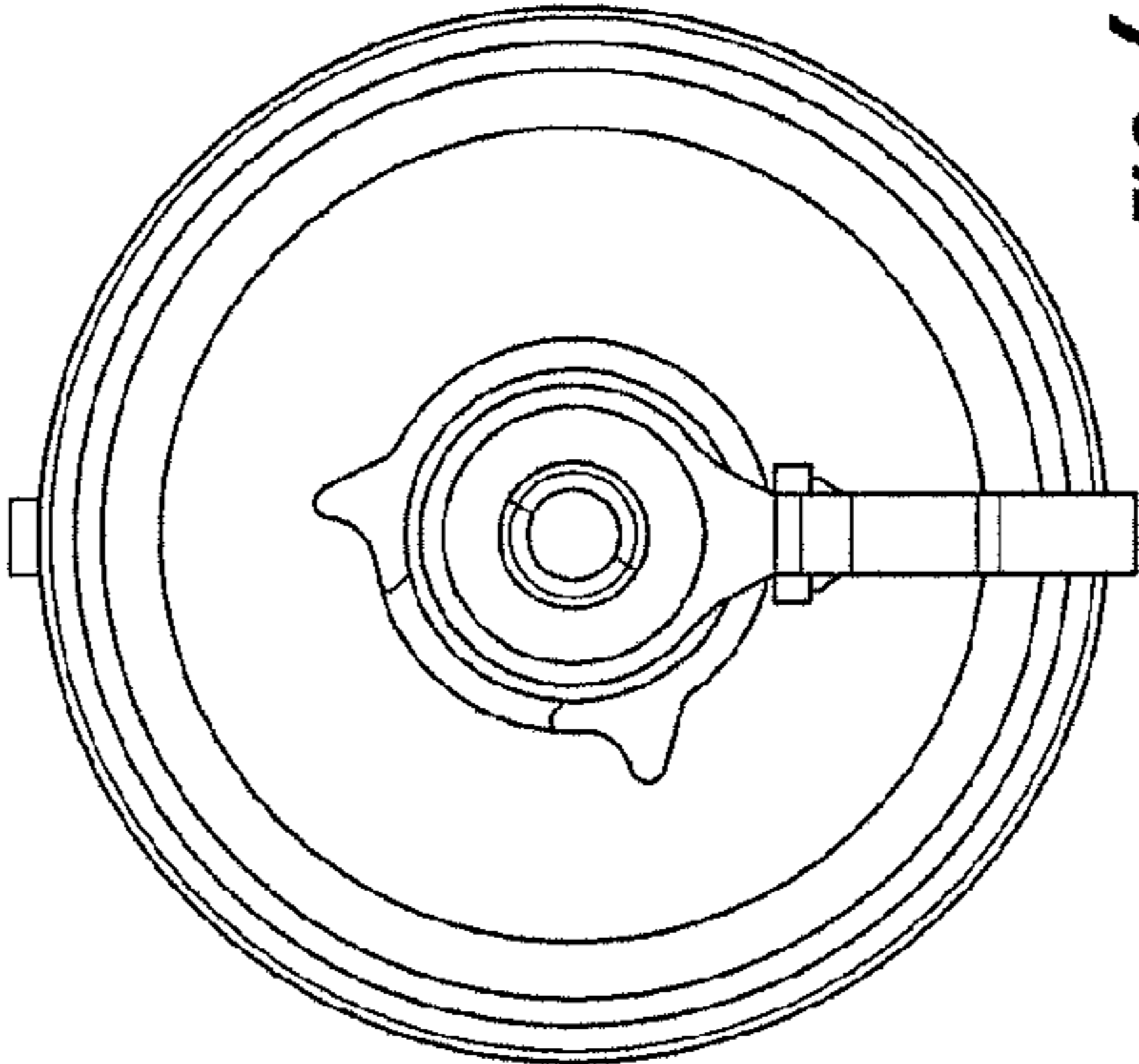


FIG. 6

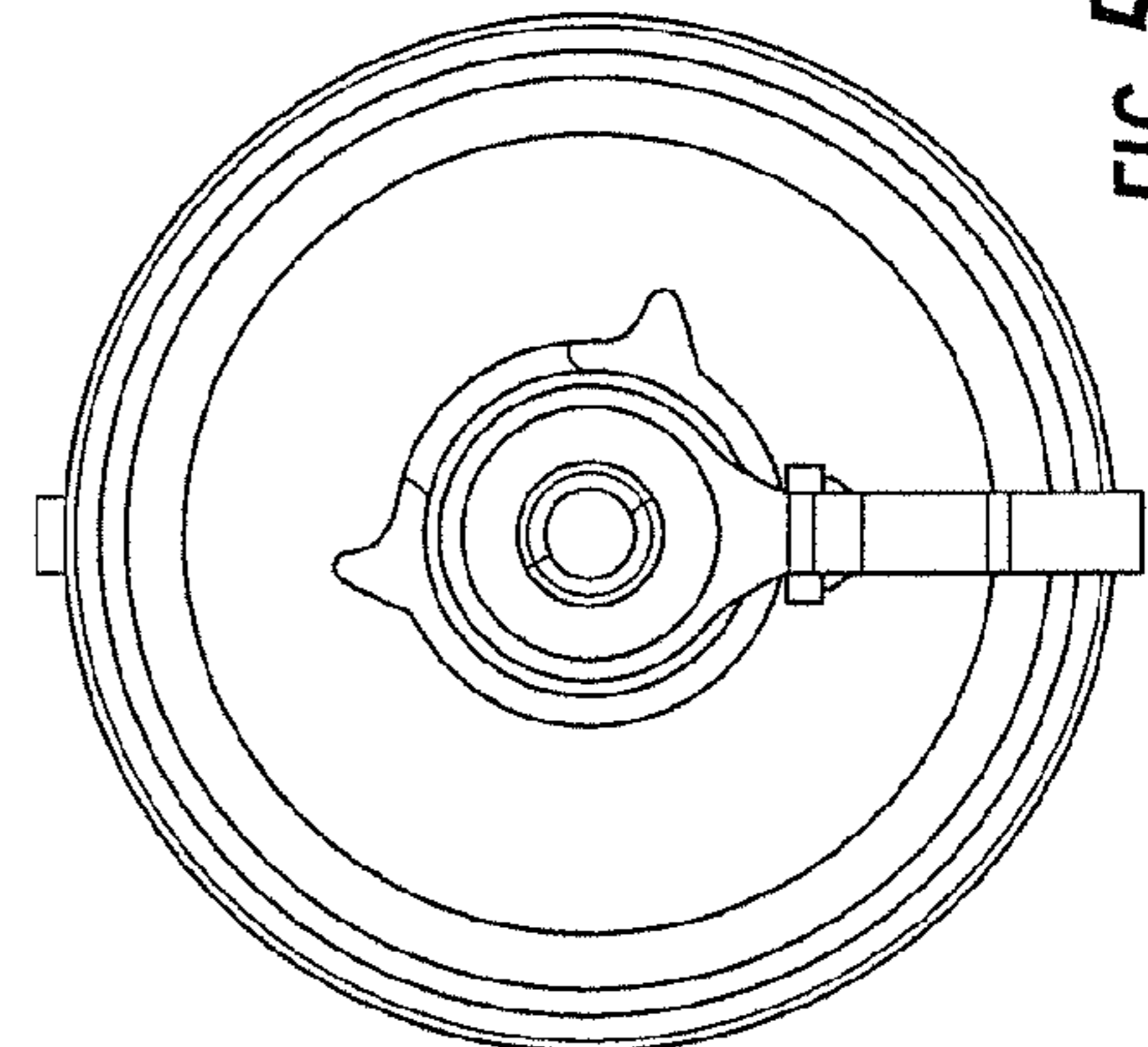


FIG. 5

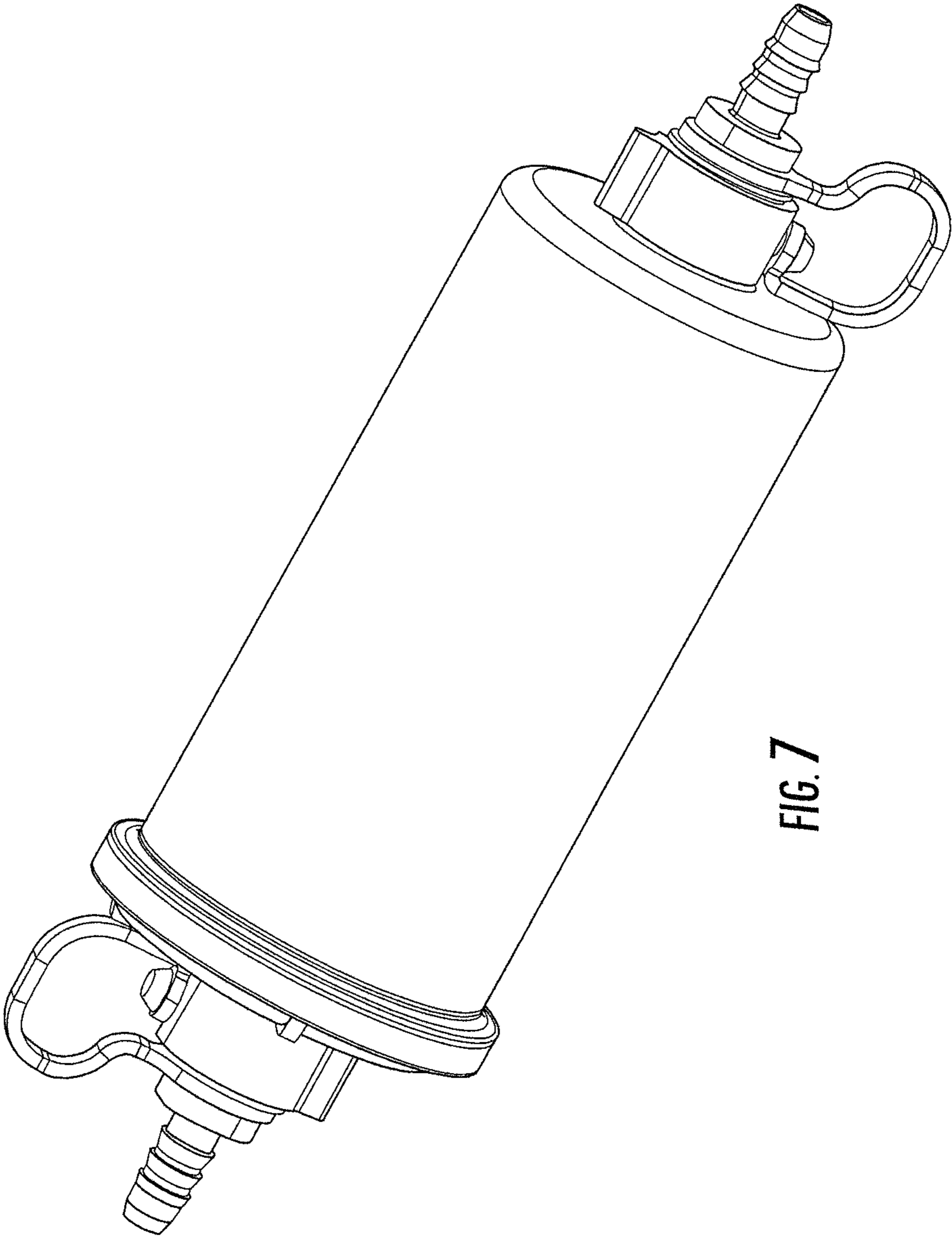


FIG. 7

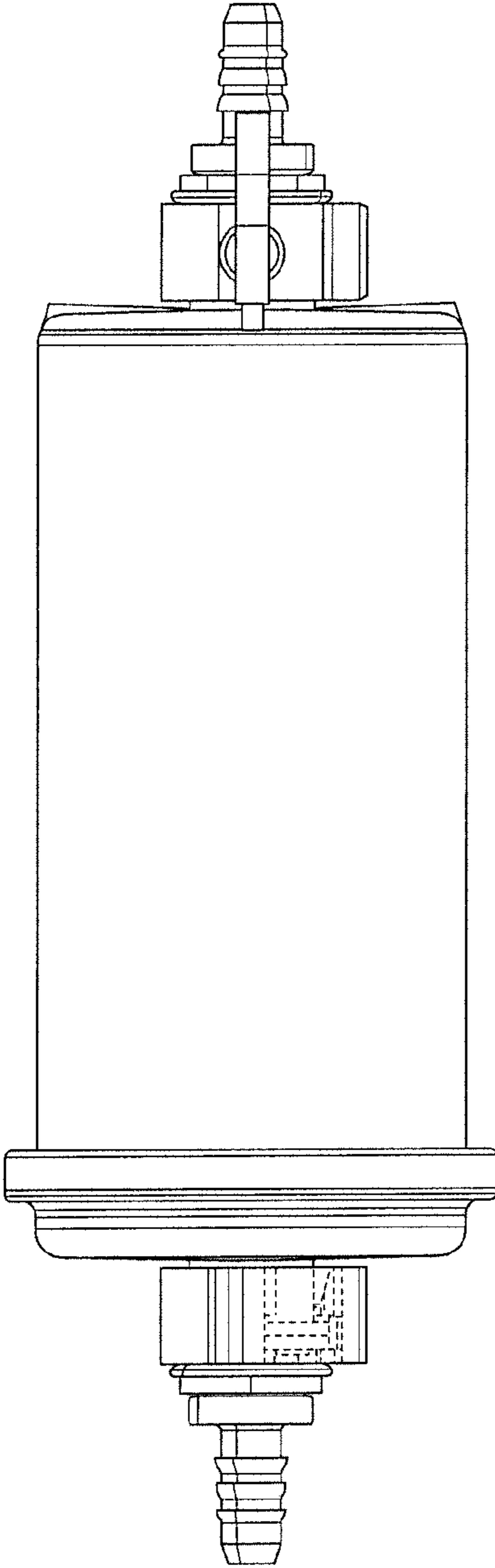


FIG. 8

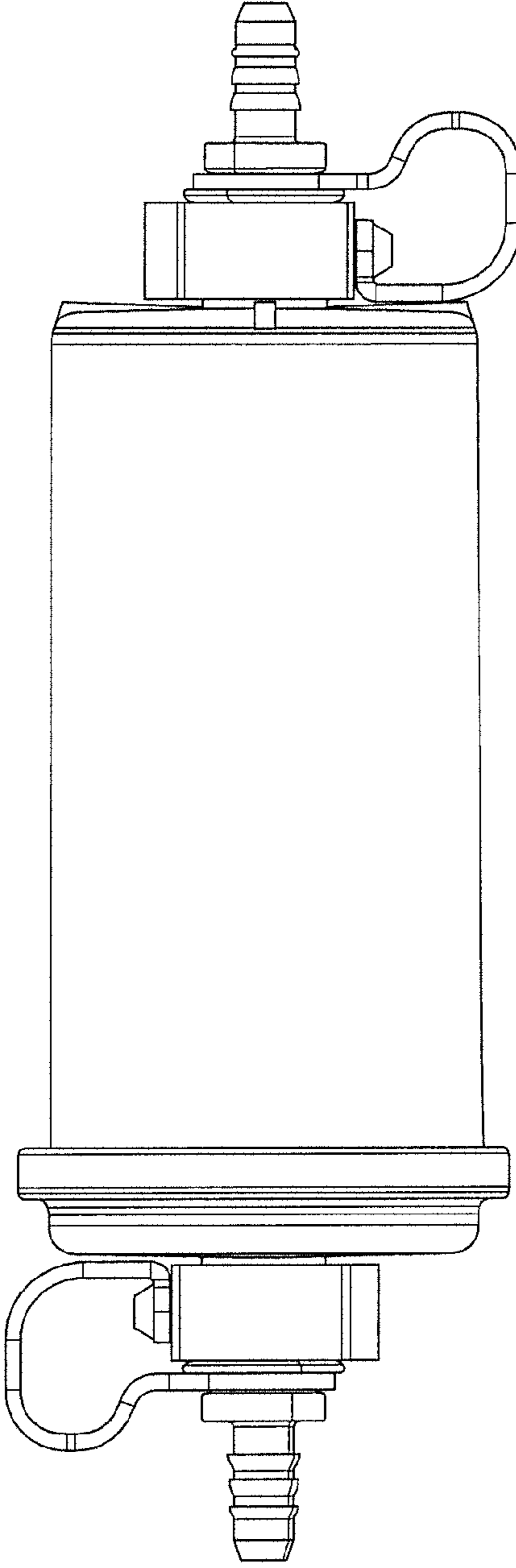


FIG. 9

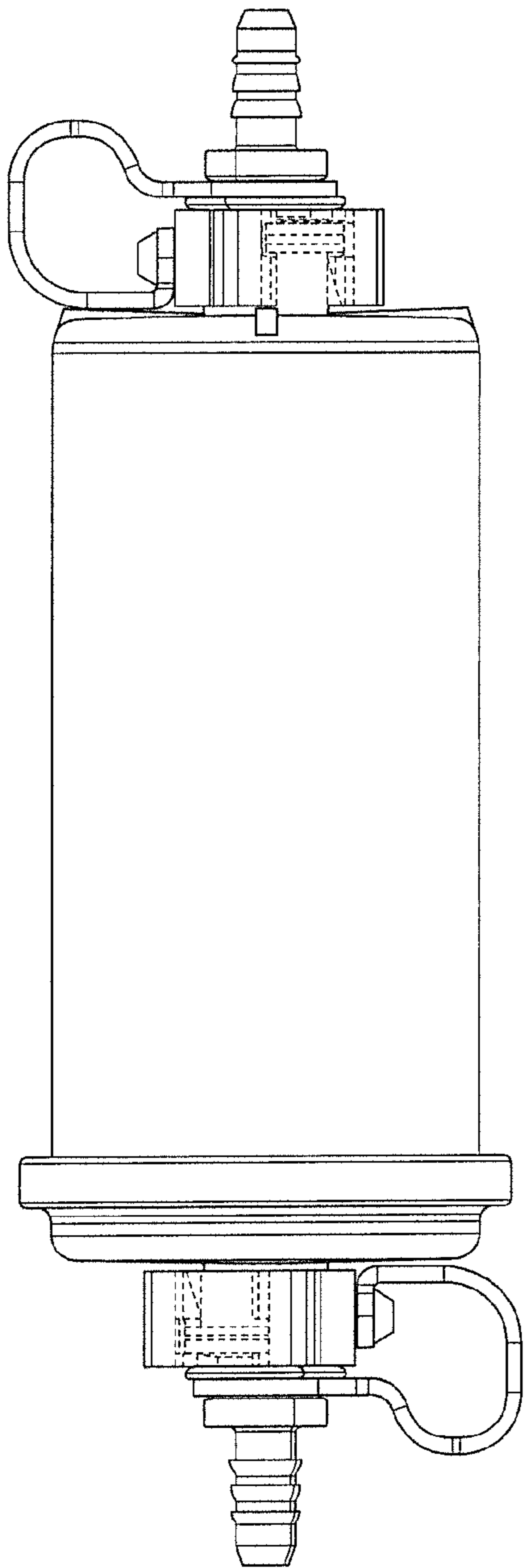


FIG. 10

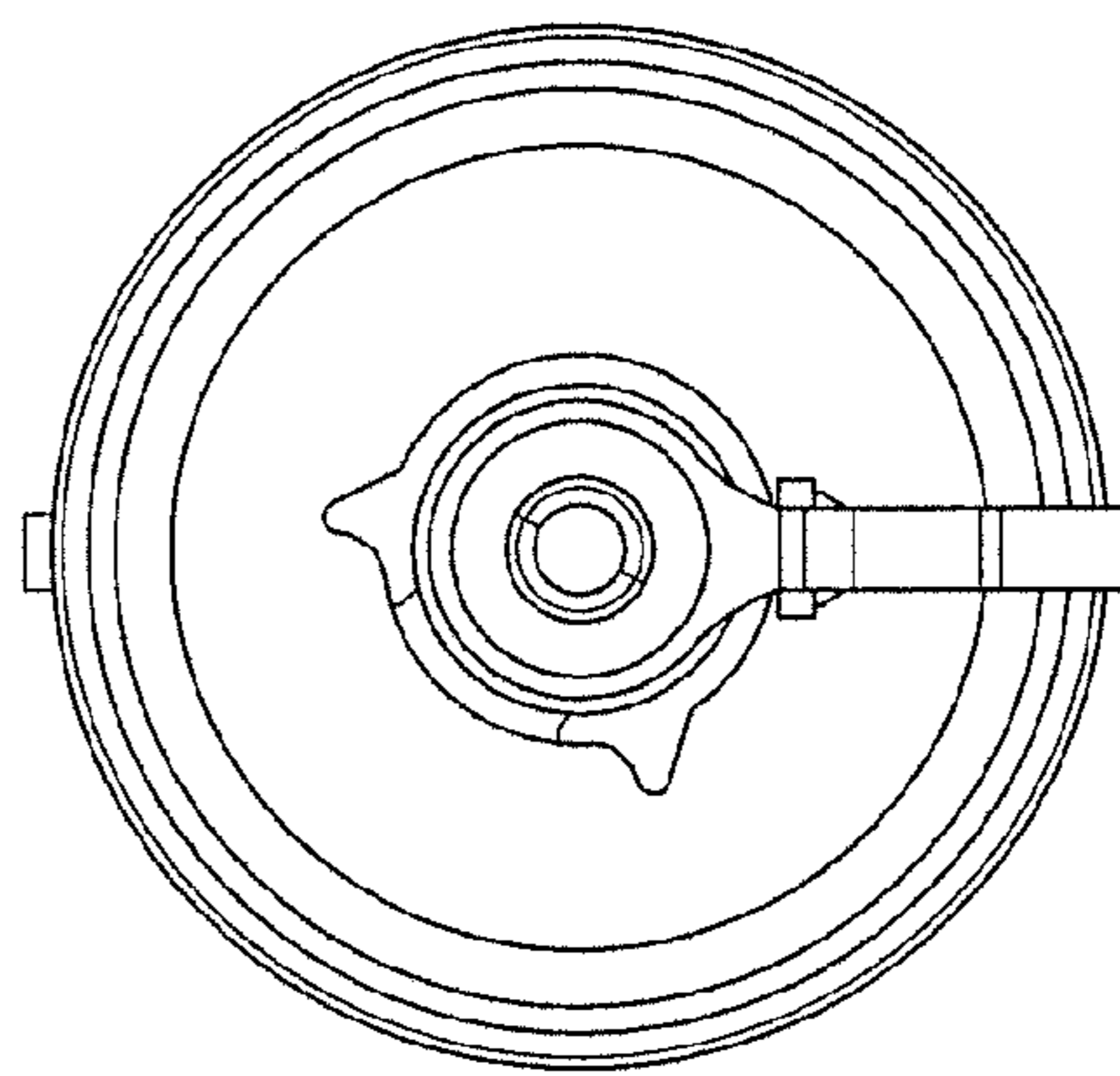


FIG. 12

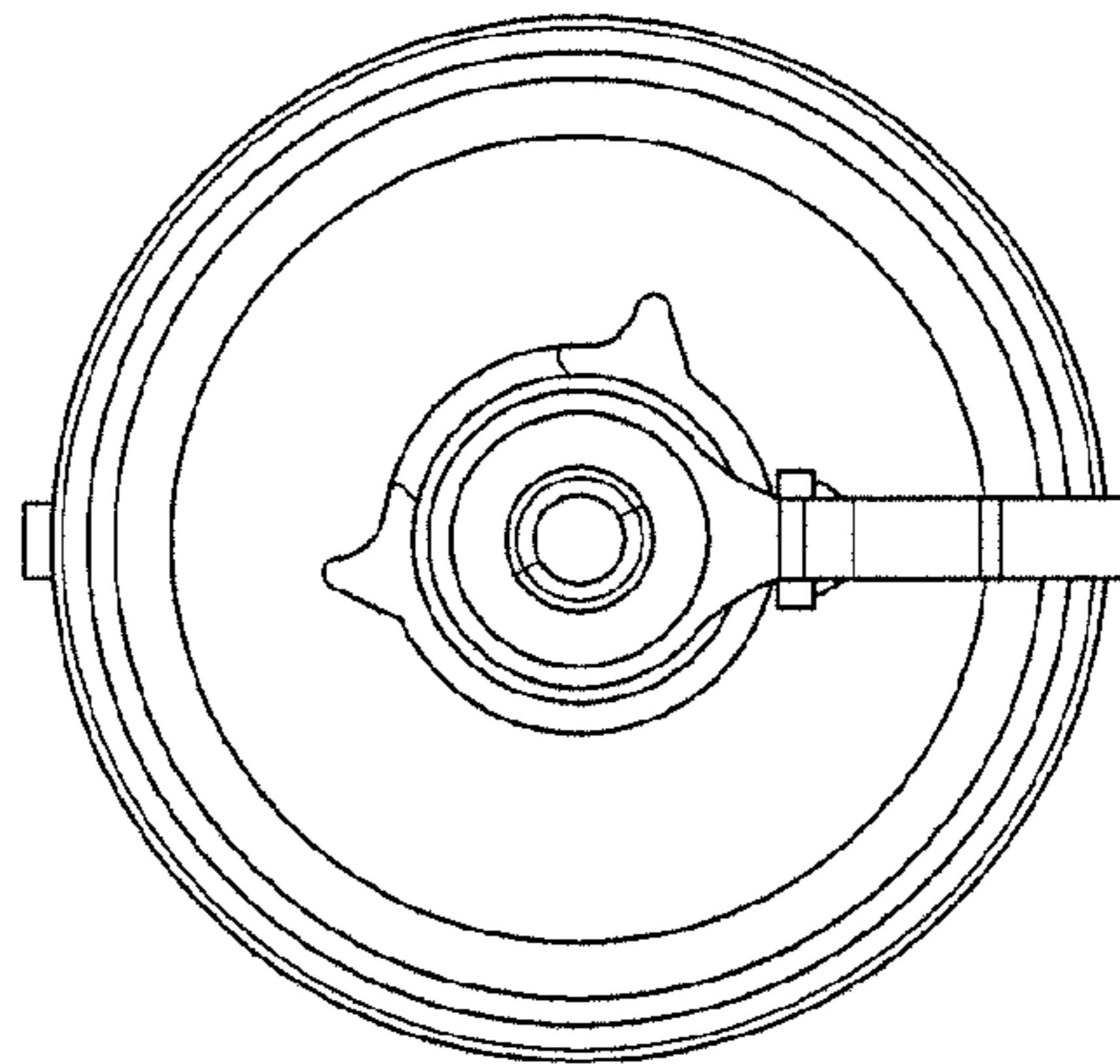


FIG. 17

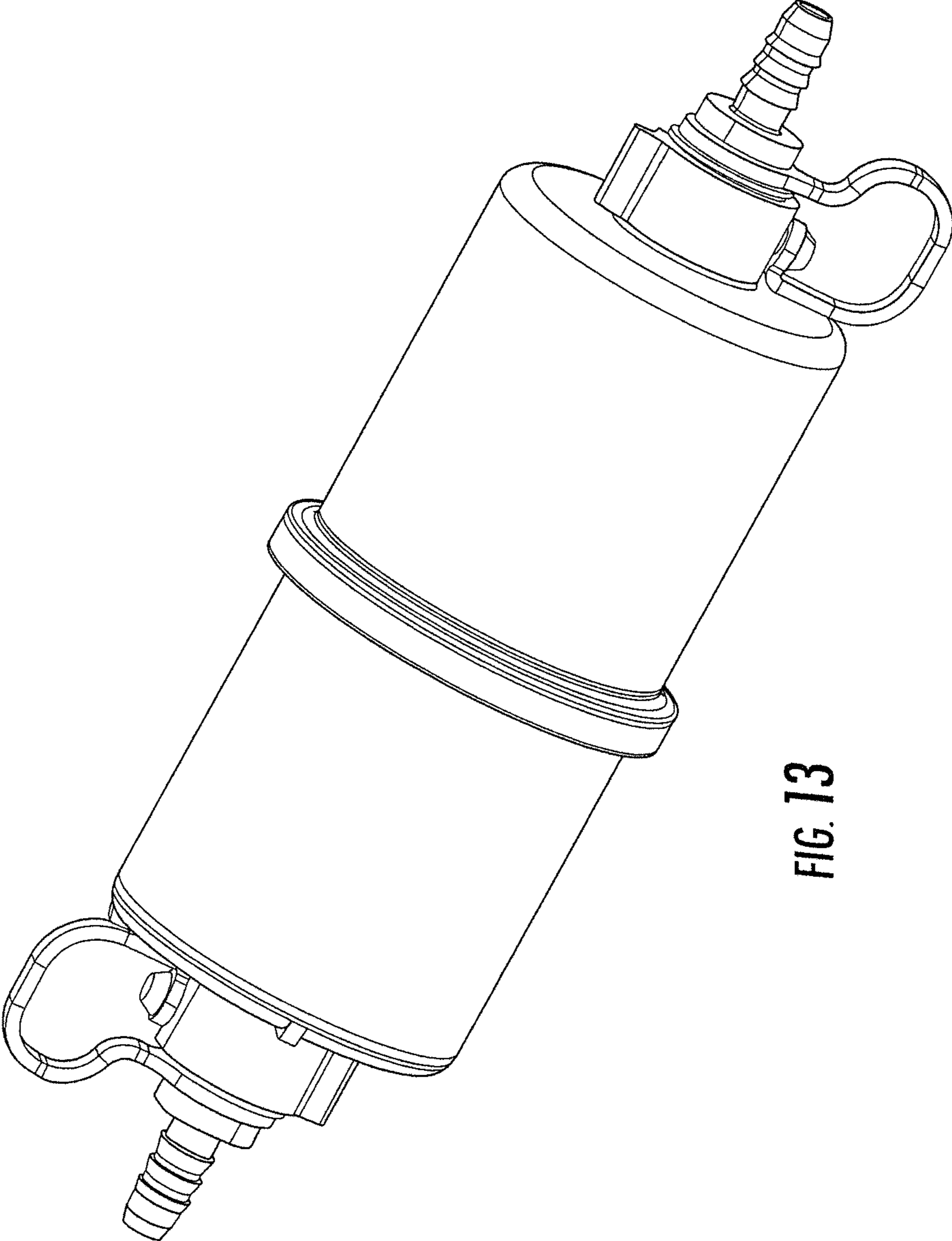
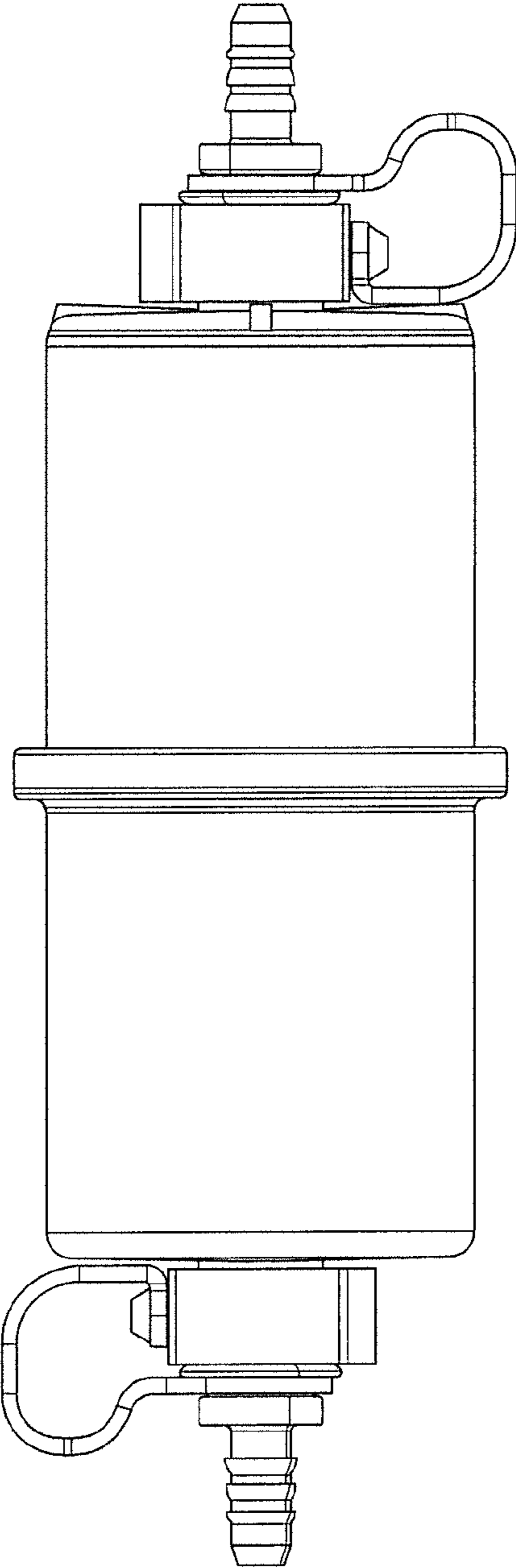
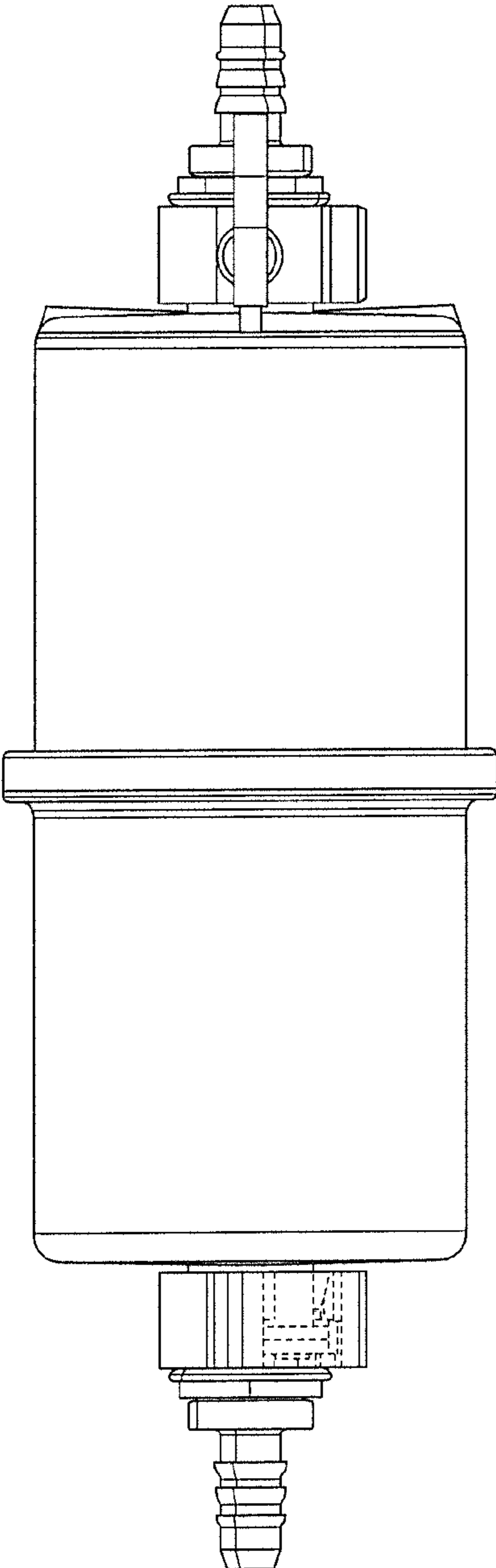


FIG. 13



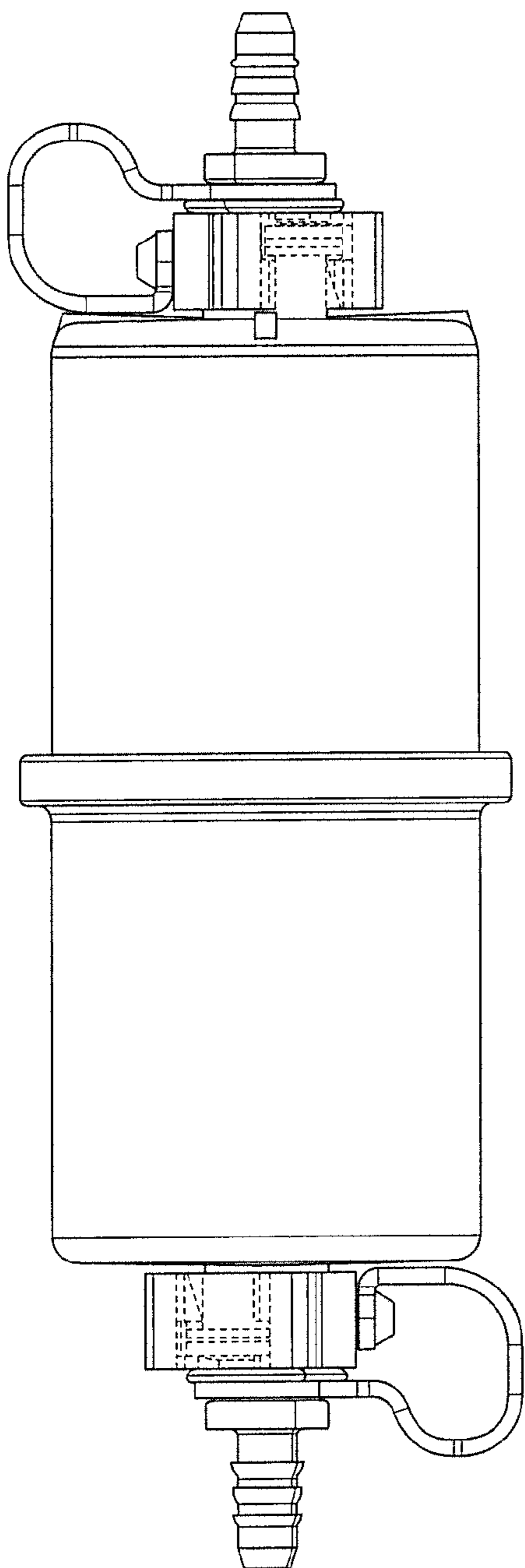


FIG. 16

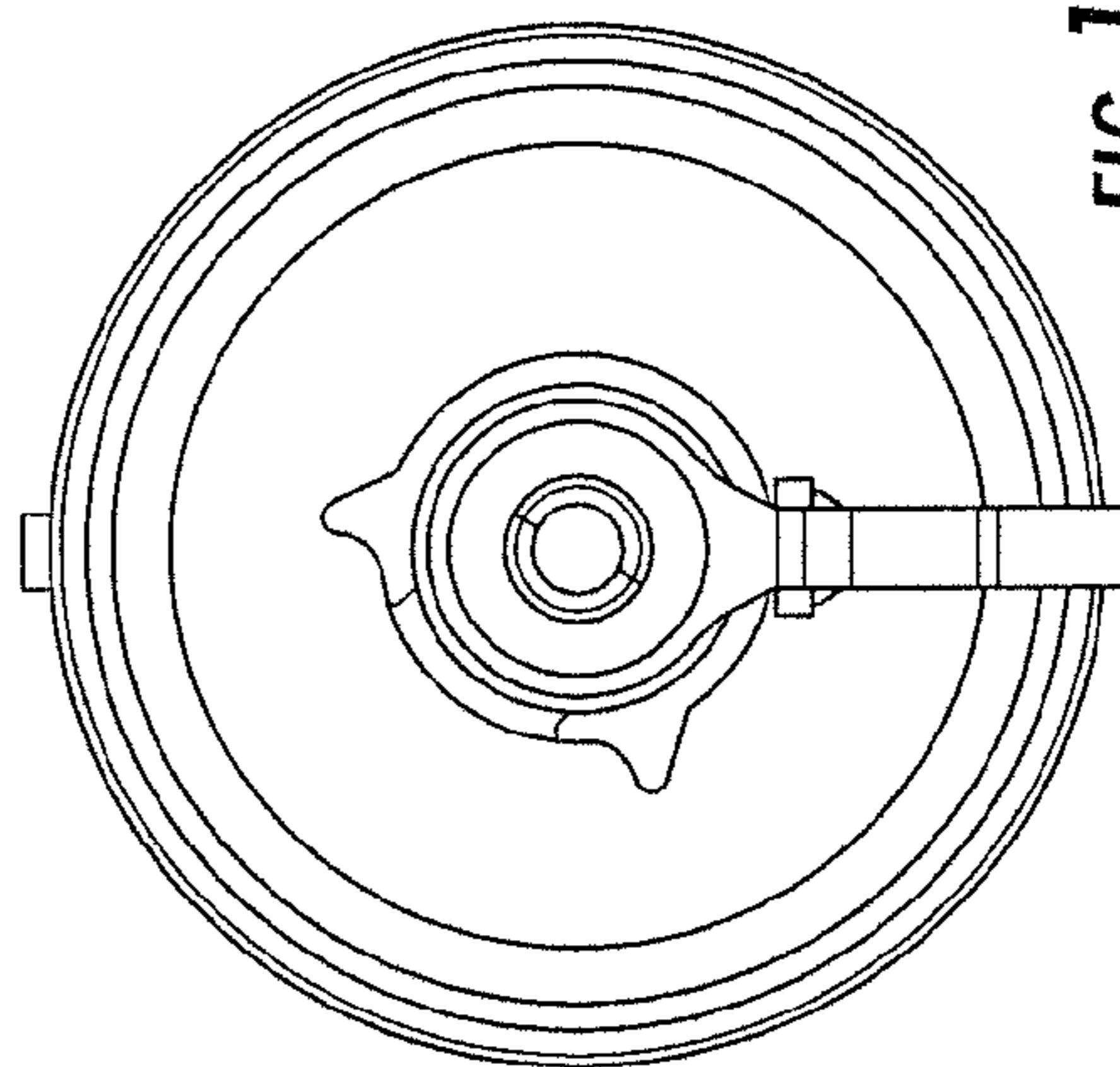


FIG. 18

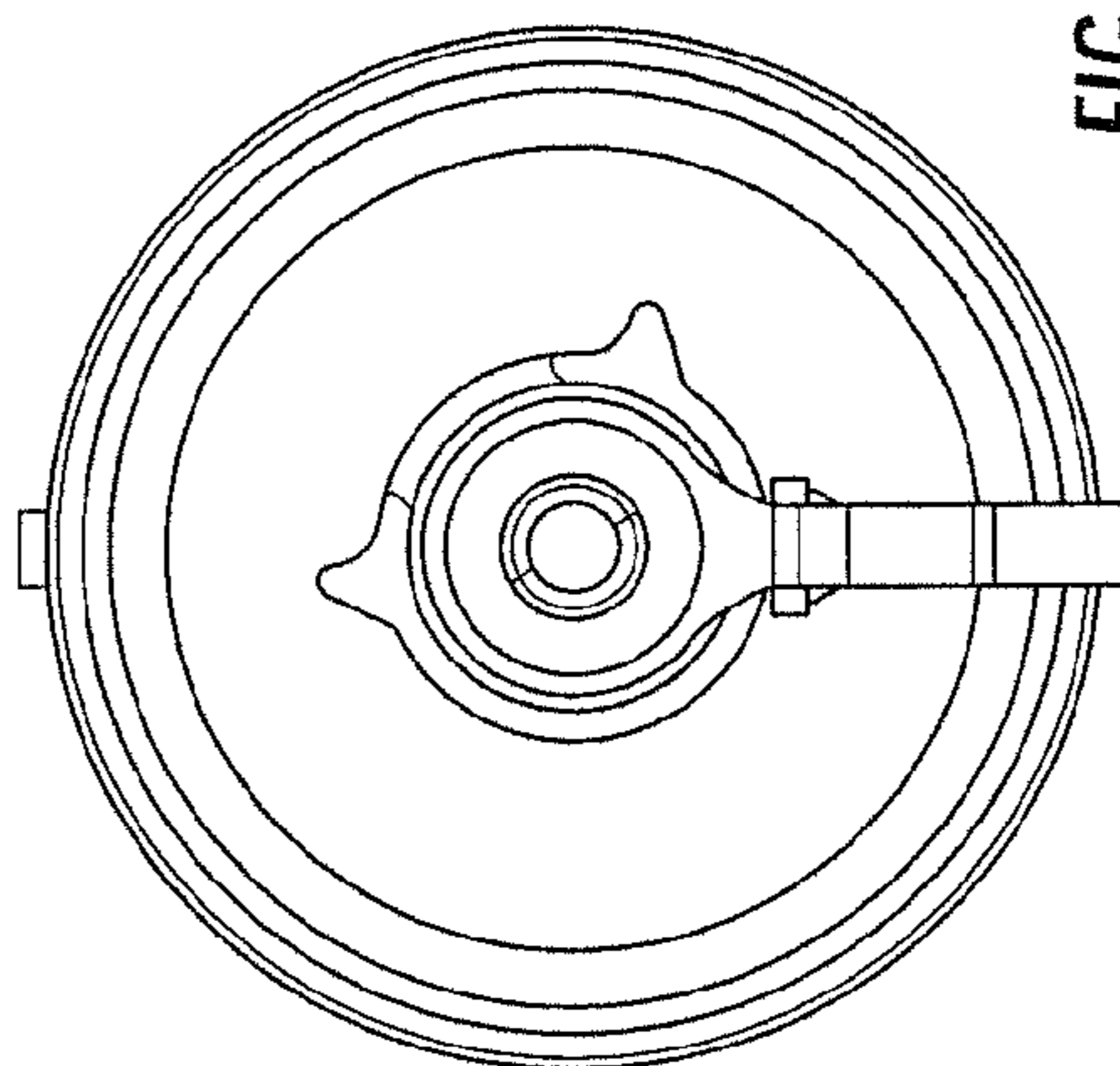


FIG. 17