



US00D920486S

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

(10) **Patent No.:** **US D920,486 S**

(45) **Date of Patent:** **\*\* May 25, 2021**

(54) **TRANSPARENTLY-WRAPPED  
ELECTROSTATIC SPRAYER FLUID TUBE**

(71) Applicant: **Graco Minnesota Inc.**, Minneapolis,  
MN (US)

(72) Inventors: **Mark C. Richter**, River Falls, WI  
(US); **Mark E. Ulrich**, Oak Grove, MN  
(US)

(73) Assignee: **Graco Minnesota Inc.**, Minneapolis,  
MN (US)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/690,575**

(22) Filed: **May 9, 2019**

(51) **LOC (13) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/266**

(58) **Field of Classification Search**  
USPC ..... D23/269–261, 266, 324; 138/108–109,  
138/118, 118.1, 129, 137  
CPC ..... F16L 11/12  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,021,871	A *	2/1962	Rodgers	.....	F16L 11/06 138/118
3,623,513	A *	11/1971	Dinkelkamp	.....	F16L 33/01 138/114
4,846,794	A *	7/1989	Hertzer	.....	A61M 39/08 604/83
D379,404	S *	5/1997	Spelts	.....	D23/266
6,910,505	B2 *	6/2005	Weck	.....	F16L 11/12 138/109
D586,435	S *	2/2009	Reckseen	.....	D23/266
D611,576	S *	3/2010	Tokuno	.....	D23/266
D642,245	S *	7/2011	Mezzalira	.....	D23/266

2001/0010339	A1 *	8/2001	Thomas	.....	F16L 11/12 239/195
2002/0000720	A1 *	1/2002	Knowles	.....	F16L 35/005 285/308
2011/0303317	A1 *	12/2011	Montalvo	.....	F16L 11/112 138/129

(Continued)

FOREIGN PATENT DOCUMENTS

JP D 1476155 S 8/2013

OTHER PUBLICATIONS

First Search Report for ROC (Taiwan) Design Application No.  
108306904, Jul. 3, 2020, pp. 5.

(Continued)

*Primary Examiner* — Amy C Wierenga

(74) *Attorney, Agent, or Firm* — Kinney & Lange, P.A.

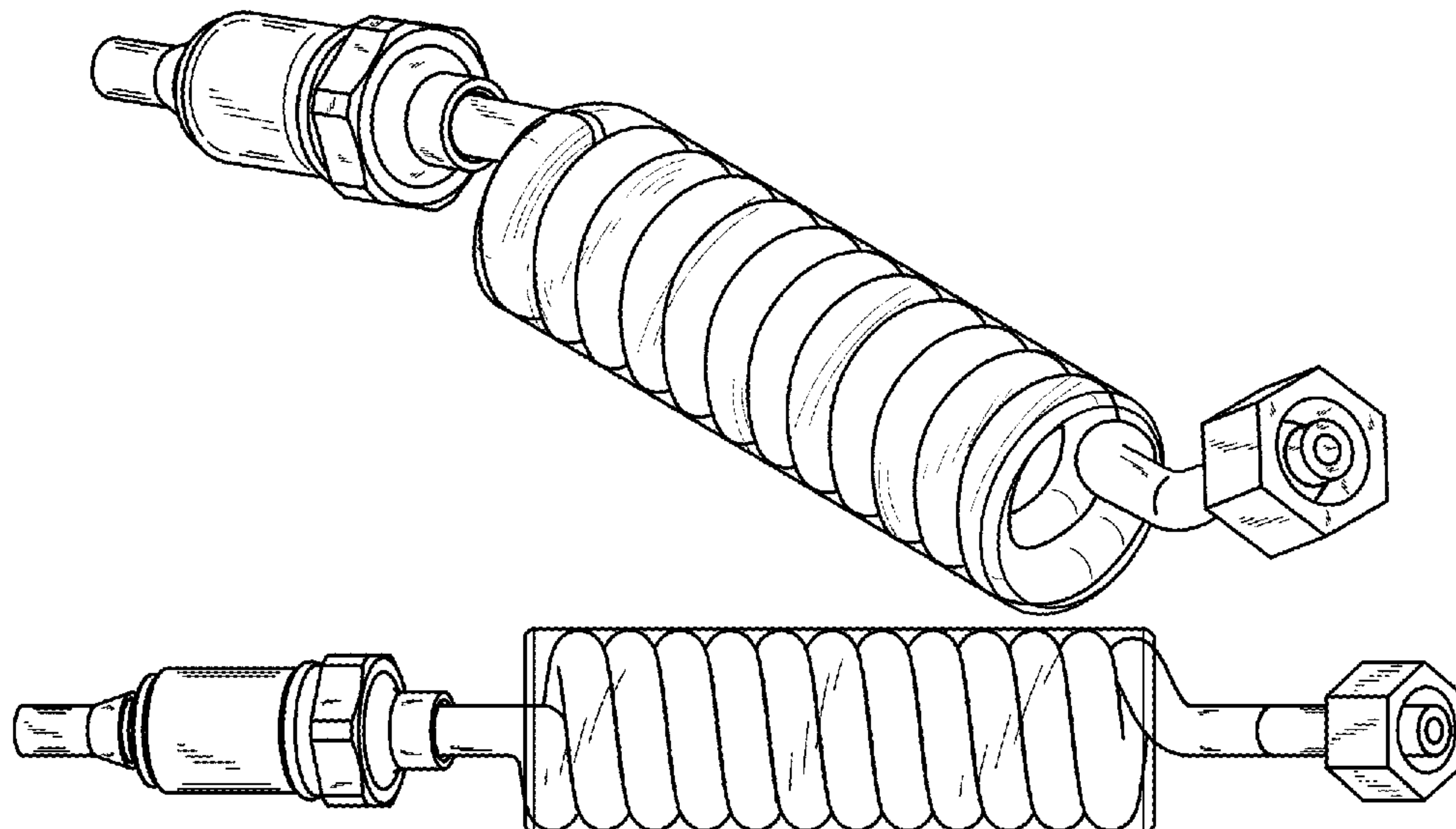
(57) **CLAIM**

The ornamental design for a transparently-wrapped electro-  
static sprayer fluid tube, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a transparently-wrapped  
electrostatic sprayer fluid tube;  
FIG. 2 is a top plan view of the transparently-wrapped  
electrostatic sprayer fluid tube;  
FIG. 3 is a left side view of the transparently-wrapped  
electrostatic sprayer fluid tube;  
FIG. 4 is a right side view of the transparently-wrapped  
electrostatic sprayer fluid tube;  
FIG. 5 is a bottom plan view of the transparently-wrapped  
electrostatic sprayer fluid tube;  
FIG. 6 is a rear elevational view of the transparently-  
wrapped electrostatic sprayer fluid tube; and,  
FIG. 7 is a front elevational view of the transparently-  
wrapped electrostatic sprayer fluid tube.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2018/0195648 A1\* 7/2018 Yeiser ..... F16L 27/04  
2018/0347738 A1\* 12/2018 Zhang ..... F16L 11/10

OTHER PUBLICATIONS

Indian Examination Report for IN Application No. 323332-001,  
Dated Dec. 30, 2019, pp. 4.

\* cited by examiner

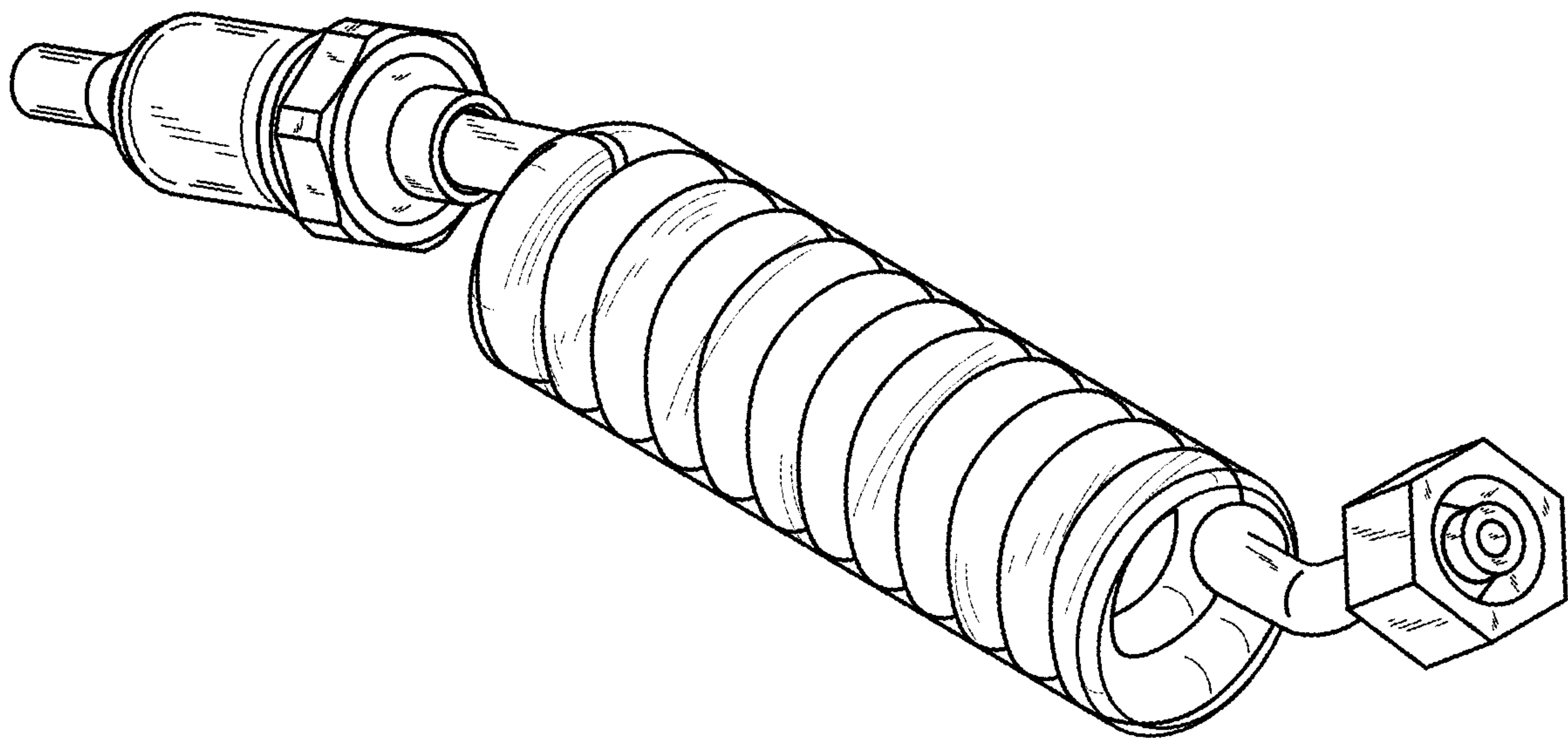


Fig. 1

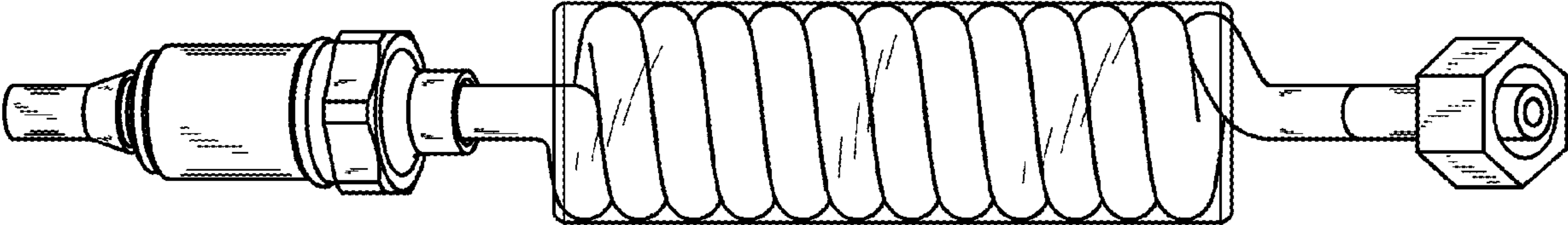


Fig. 2

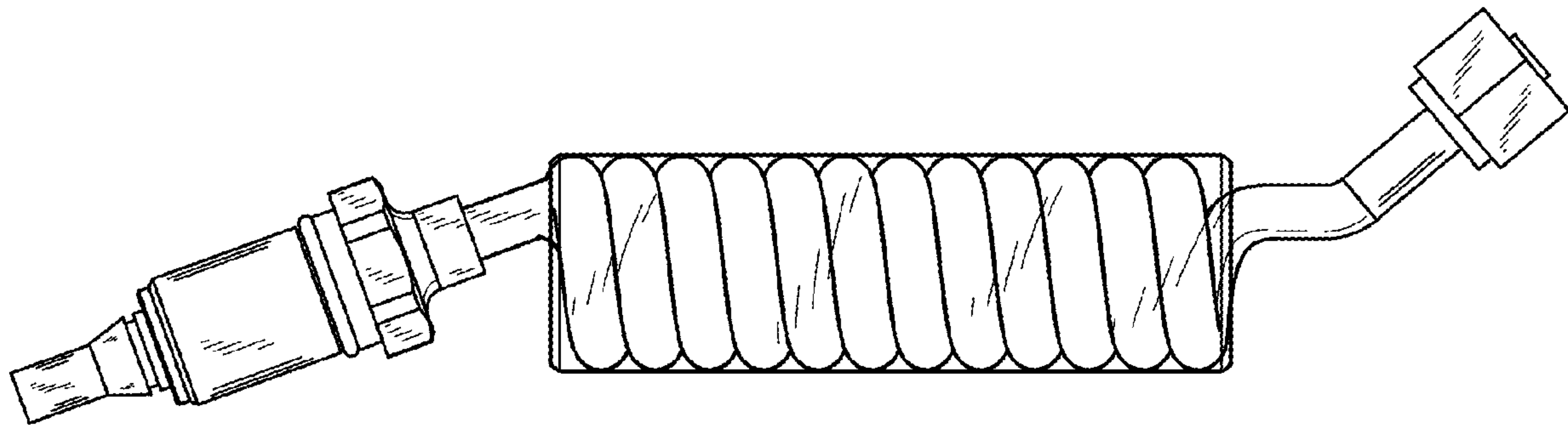


Fig. 3

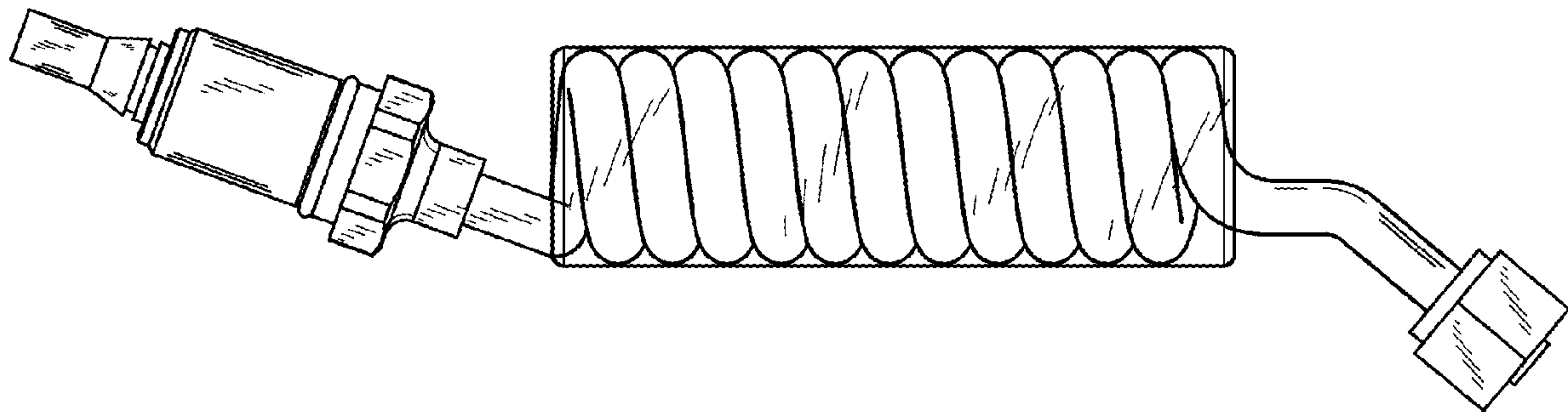


Fig. 4

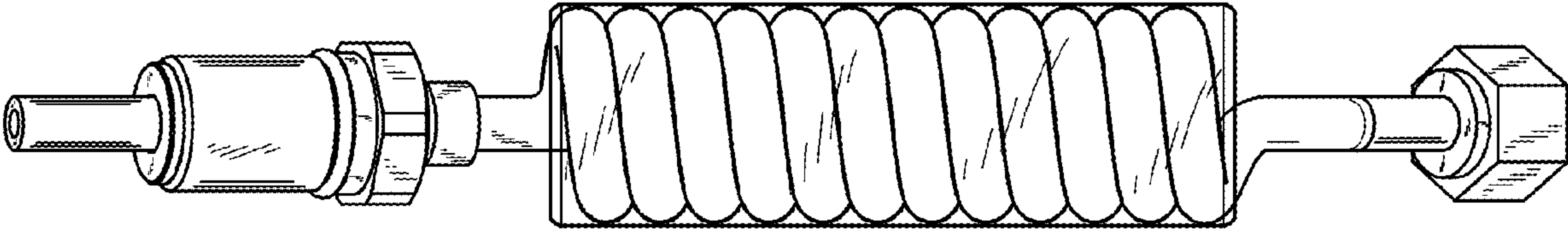


Fig. 5



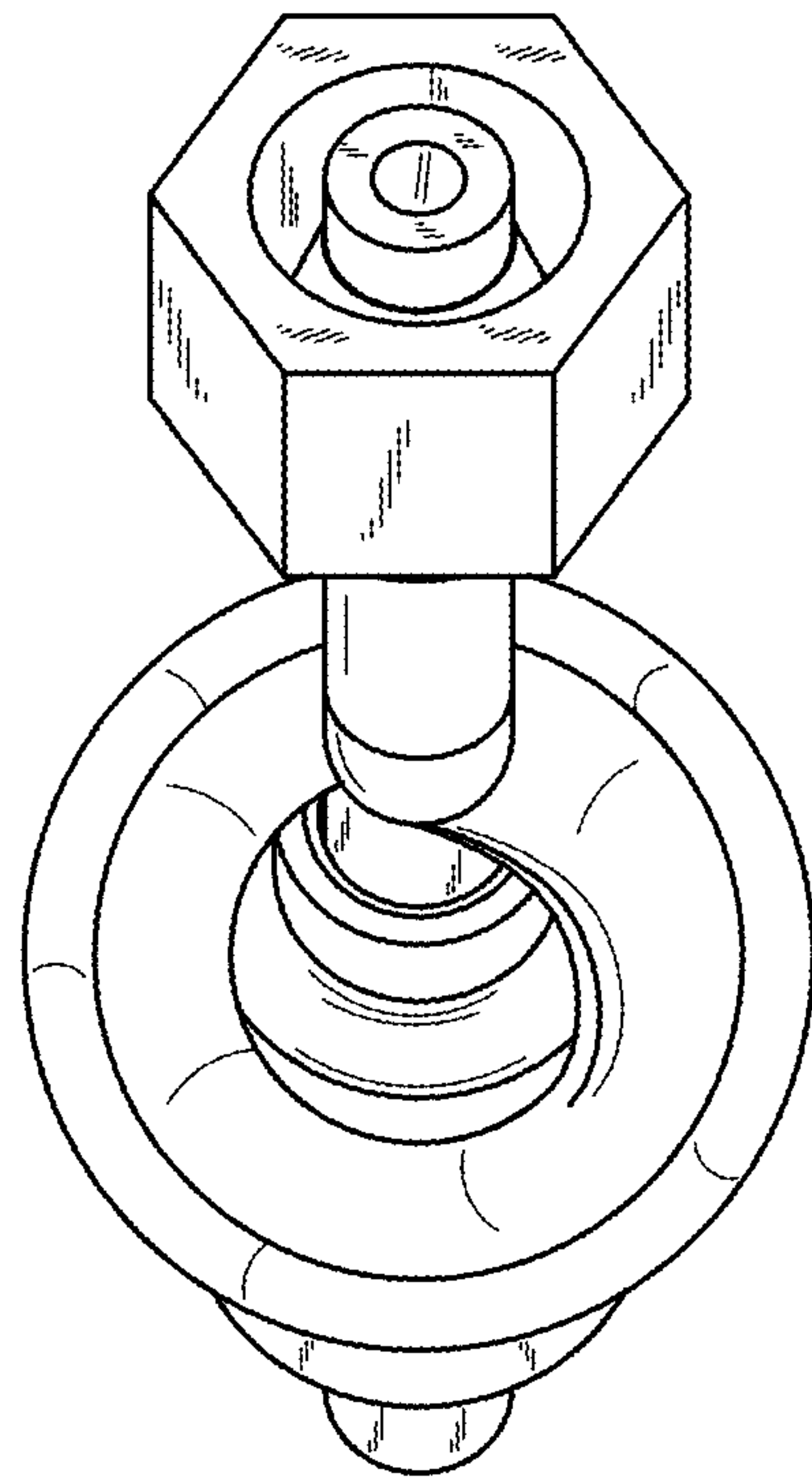


Fig. 6



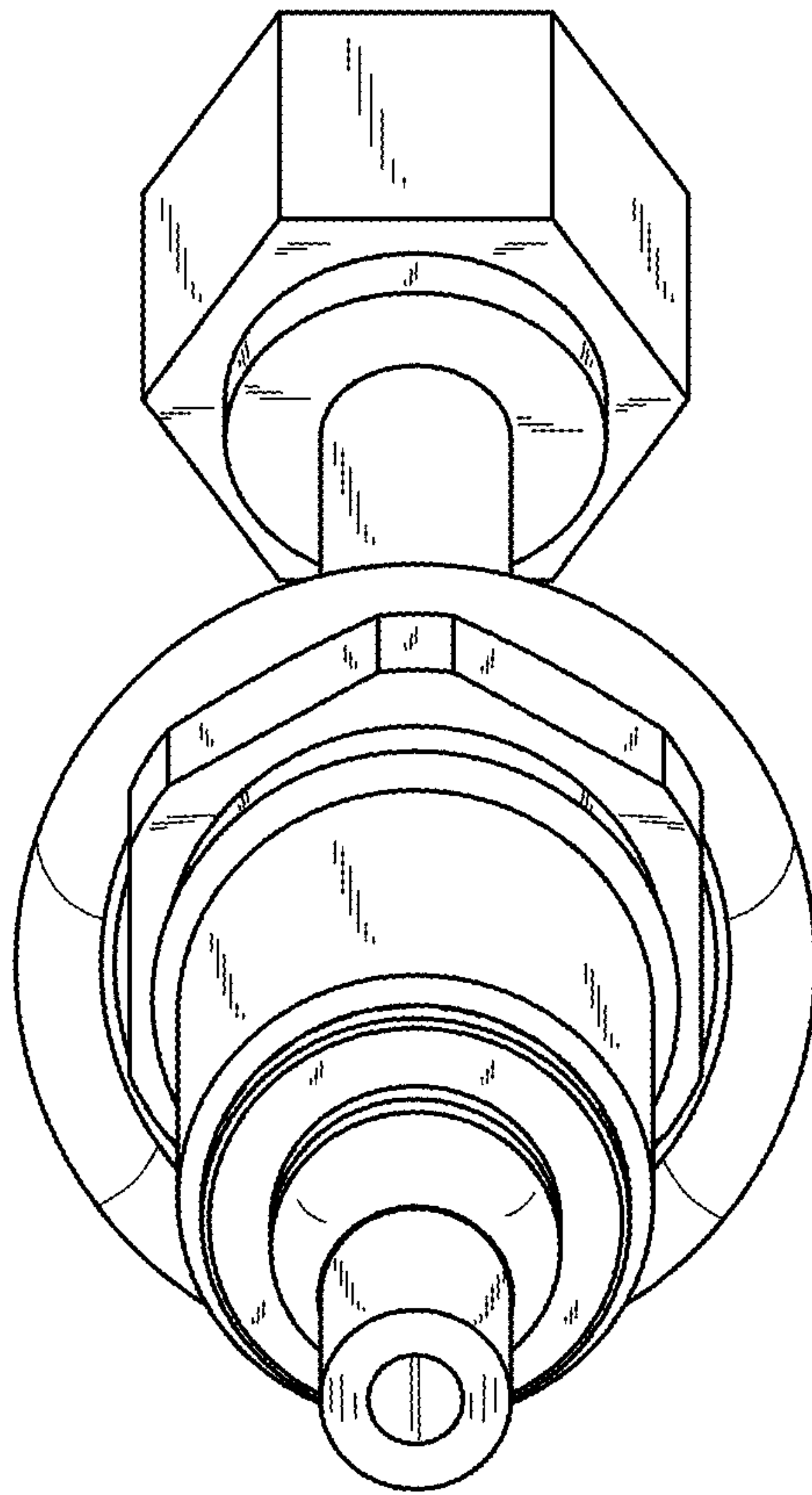


Fig. 7