US00D590481S

(12) United States Design Patent

Stimpson

(10) Patent No.: US D590,481 S
(45) Date of Patent: ** Apr. 14, 2009

(54) **PIPE COUPLING WITH FLOW SENSOR AND FILTER**

(75) Inventor: **Robert William Stimpson**, Douglas (GB)

(73) Assignee: **DLP Limited**, Isle of Man (GB)

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

(21) Appl. No.: **29/284,485**

(22) Filed: **Sep. 10, 2007**

(30) **Foreign Application Priority Data**

Aug. 4, 2007 (EM) 000773478

(51) **LOC (9) Cl.** **23-01**
(52) **U.S. Cl.** **D23/262**
(58) **Field of Classification Search** D23/259–262, D23/264, 266; 137/614.04; 251/149, 343; 285/242–243, 369, 372, 373, 417; 138/109
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

318,356	A *	5/1885	Cogan	285/148.6
940,098	A *	11/1909	Wherle	285/372
1,153,002	A *	9/1915	Wright	285/235
4,147,383	A *	4/1979	Schluter	285/373
4,220,360	A *	9/1980	Jacek et al.	285/317
4,424,991	A *	1/1984	Hill et al.	285/381.2
D291,482	S *	8/1987	Vassallo et al.	D23/262
5,316,041	A *	5/1994	Ramacier et al.	137/614.04
6,106,031	A *	8/2000	Guginsky	285/369
6,405,761	B1 *	6/2002	Shimizu et al.	138/109
6,951,227	B1 *	10/2005	Su	138/115
D517,665	S *	3/2006	Wilk et al.	D23/262
D524,427	S *	7/2006	Wilk et al.	D23/262
7,125,053	B2 *	10/2006	Hashem	285/333
7,416,227	B1 *	8/2008	Earnest	285/419
2003/0051763	A1 *	3/2003	Buttner et al.	138/121
2004/0007875	A1 *	1/2004	Bishop et al.	285/369
2005/0229989	A1 *	10/2005	Su	138/115
2006/0011249	A1 *	1/2006	Arima et al.	138/109

* cited by examiner

Primary Examiner—T. Chase Nelson
Assistant Examiner—Eric L Goodman
(74) *Attorney, Agent, or Firm*—Martin Fleit; Paul D. Bianco

(57) **CLAIM**

The ornamental design for a pipe coupling with flow sensor and filter, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a pipe coupling with flow sensor and filter, showing our new design;

FIG. **2** is a plan view from above of the pipe coupling with flow sensor and filter, as shown in FIG. **1**;

FIG. **3** is an elevational side view of the pipe coupling with flow sensor and filter, as shown in FIG. **1**, the other side matches;

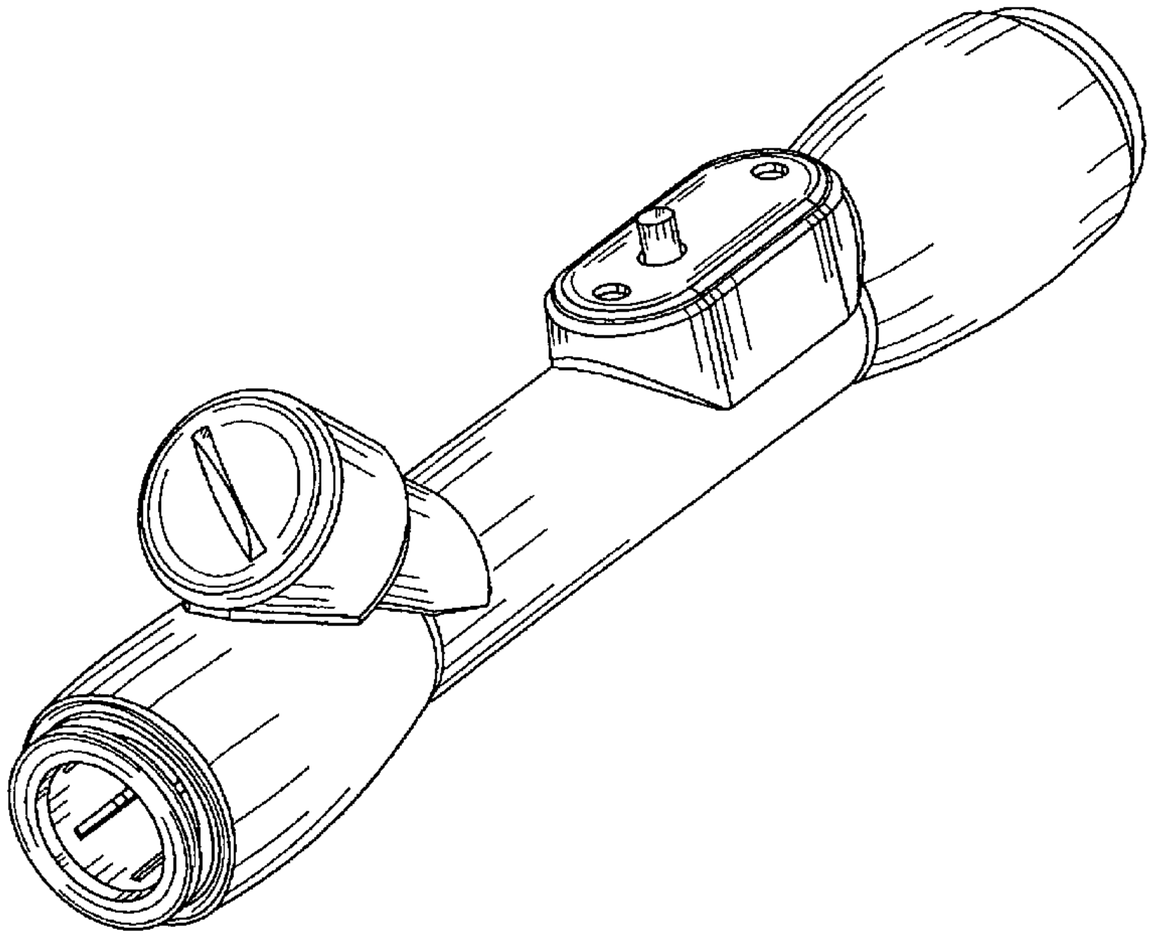
FIG. **4** is a plan view from below of the pipe coupling with flow sensor and filter, as shown in FIG. **1**;

FIG. **5** is a downstream end view of the pipe coupling with flow sensor and filter, as shown in FIG. **1**; and,

FIG. **6** is an upstream end view of the pipe coupling with flow sensor and filter, as shown in FIG. **1**.

The inner portions of the pipe coupling with flow sensor and filter shown in broken lines in FIGS. **5** and **6** form no part of the claimed design, and Applicant expressly disclaims any right to said subject matter.

1 Claim, 5 Drawing Sheets



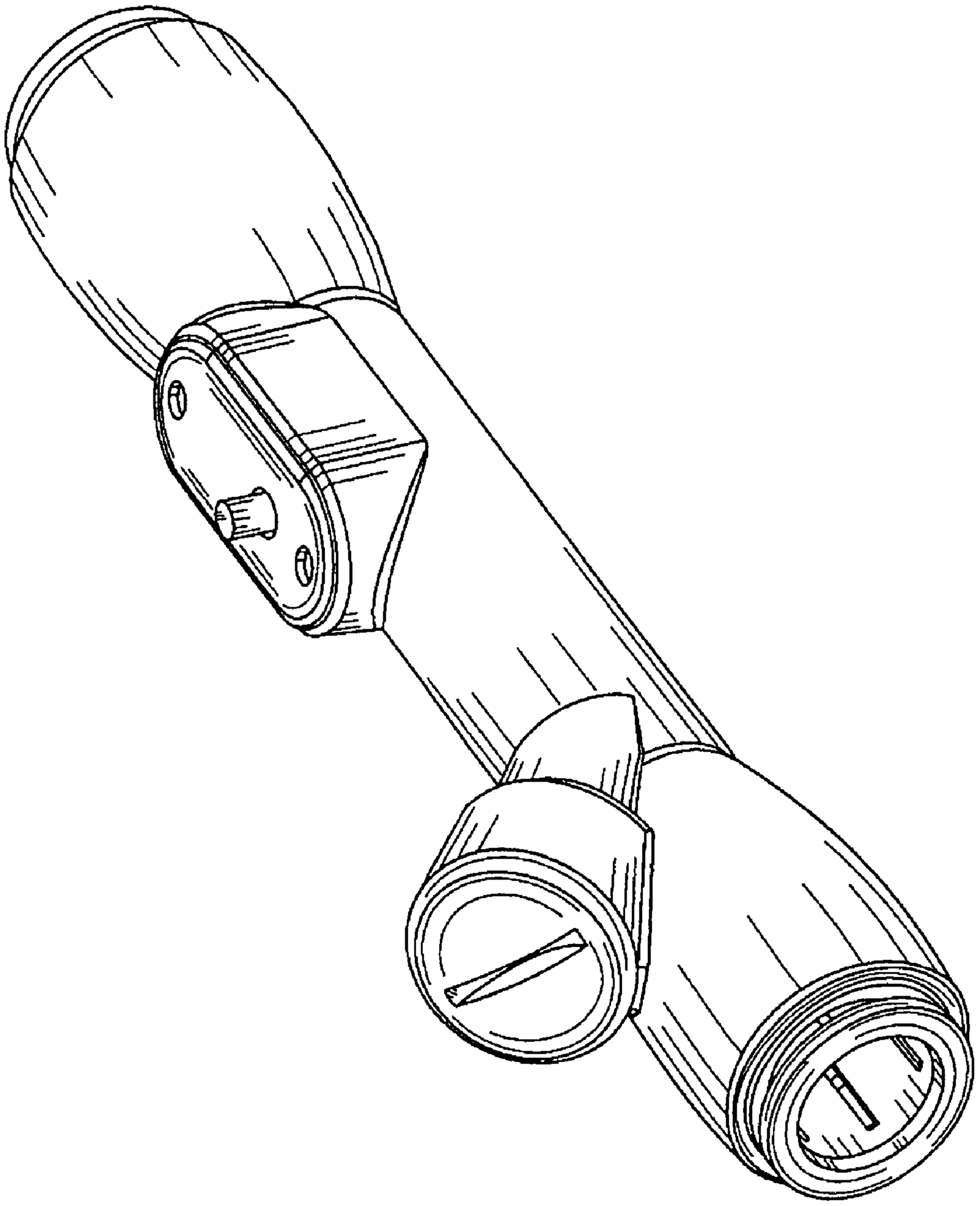


FIG. 1

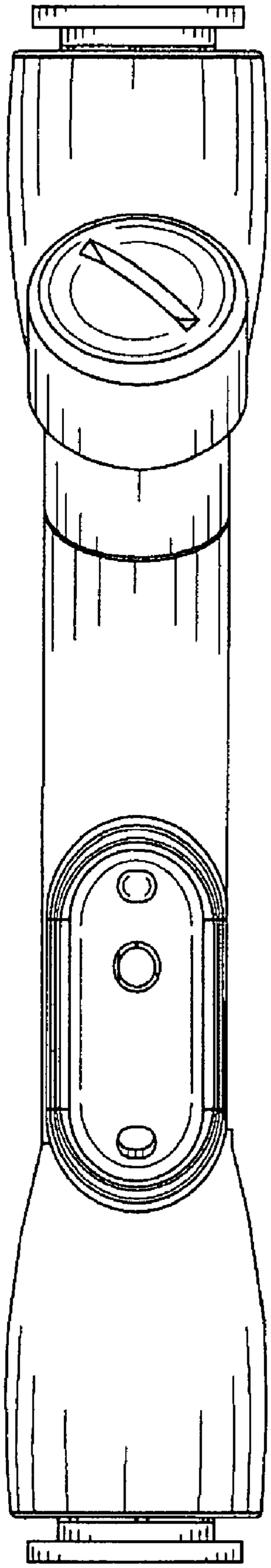


FIG. 2

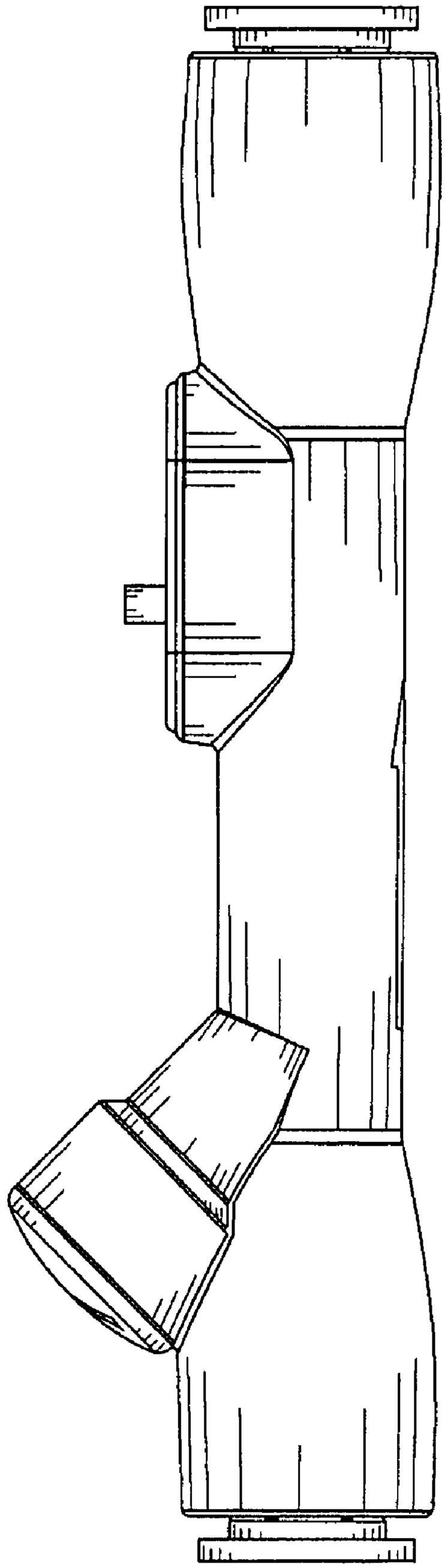


FIG. 3

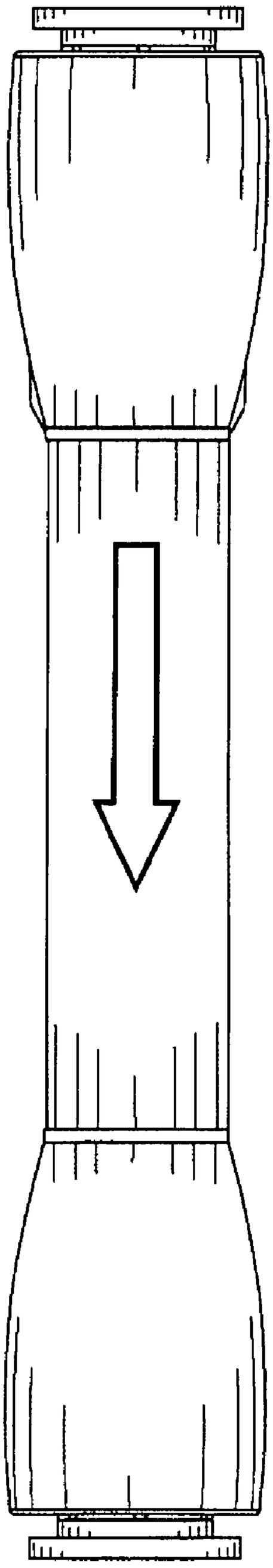


FIG. 4

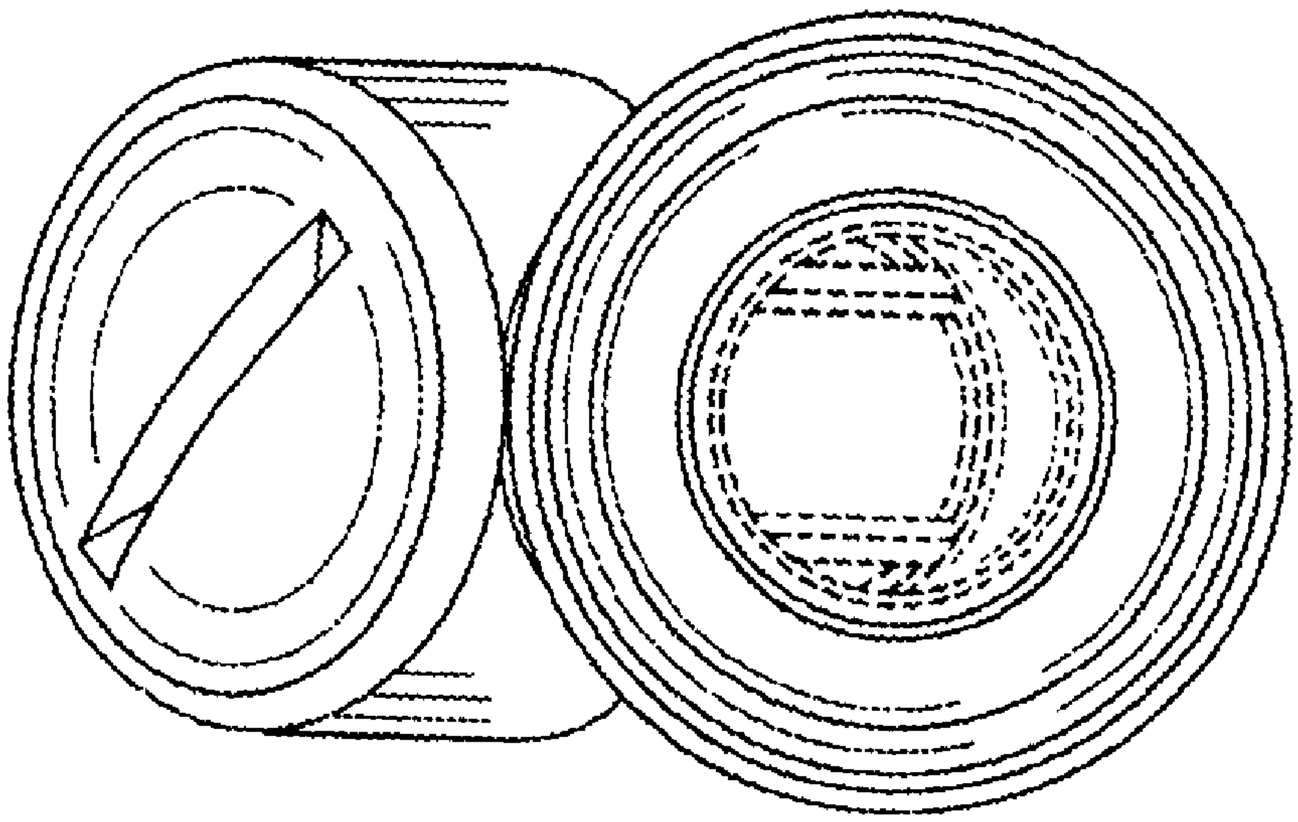


FIG. 6

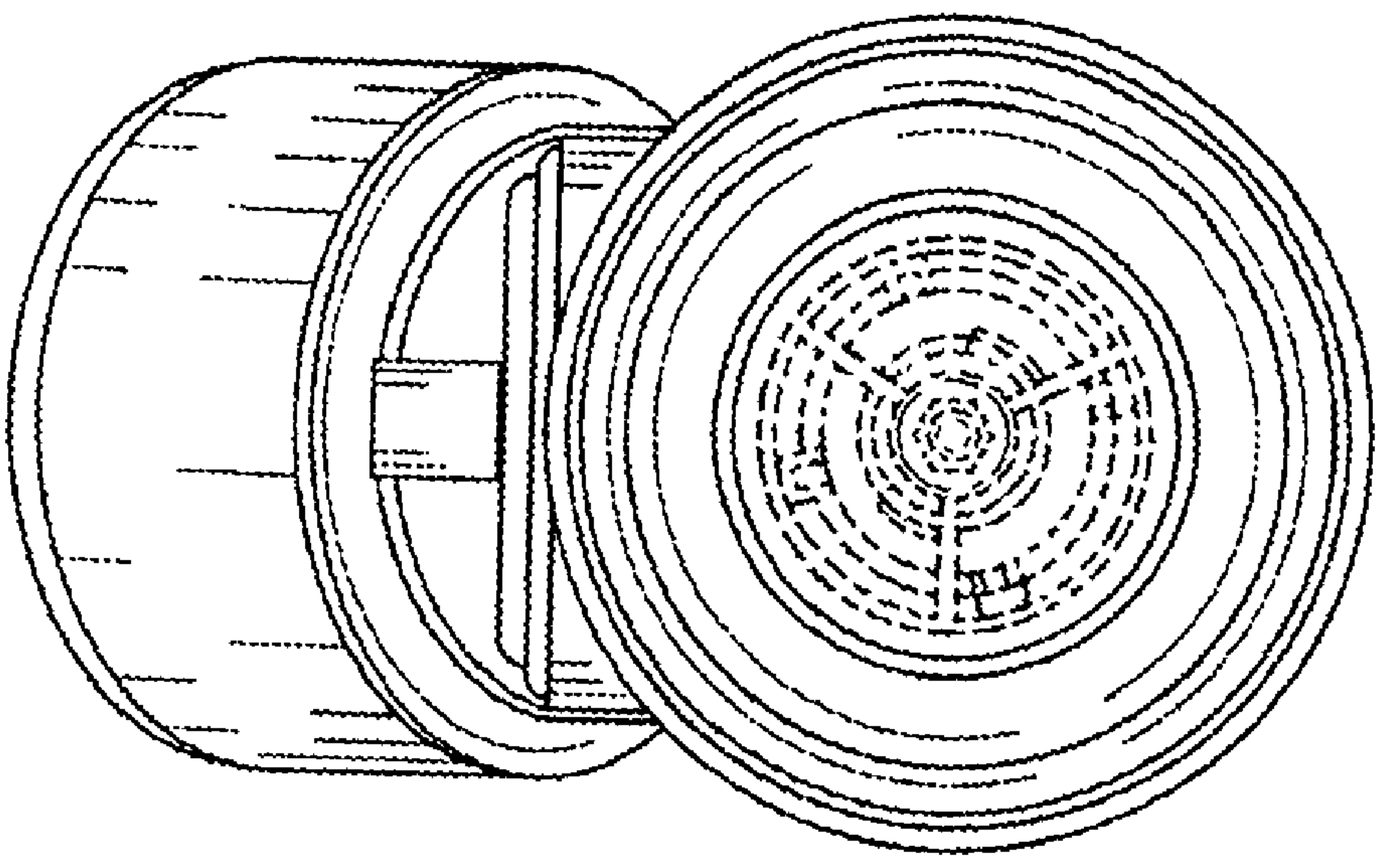


FIG. 5