US00D669558S

(12) United States Design Patent

Collin et al.

(10) Patent No.: US D669,558 S
(45) Date of Patent: ** Oct. 23, 2012

(54) **FLUID CONNECTOR**

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(73) Assignee: **Fluidmaster, Inc.**, San Juan Capistrano, CA (US)

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

(21) Appl. No.: **29/394,124**

(22) Filed: **Jun. 13, 2011**

(51) **LOC (9) Cl.** **23-01**
(52) **U.S. Cl.** **D23/262**
(58) **Field of Classification Search** D23/259, D23/262; 285/34–35, 38, 148, 144.1, 145.2, 285/148.1, 272, 322
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

591,062	A		10/1897	Smith	
712,905	A		11/1902	Cannon	
827,289	A		7/1906	Bowers	
907,473	A		12/1908	Detray	
D44,178	S	*	6/1913	McMurtrie	D23/262
1,136,310	A		4/1915	Burnett	
2,164,485	A		7/1939	Yantis	
2,332,972	A		10/1943	Johnson	
2,358,461	A		9/1944	Latimer	
2,826,107	A		3/1958	Woods	
2,972,271	A		2/1961	Gill	
3,145,751	A		8/1964	Boots	
3,289,524	A		12/1966	Rubin	
3,425,314	A		2/1969	Ohlson	
3,865,007	A		2/1975	Stanback	
4,068,555	A		1/1978	Volkman	
D252,208	S	*	6/1979	Ooya	D16/219
4,176,582	A		12/1979	Witte	
4,210,372	A		7/1980	McGee et al.	
D263,163	S	*	2/1982	Olde	D23/262
4,606,562	A	*	8/1986	Saraceno	285/149.1
4,687,392	A		8/1987	Bidwell	
D296,581	S	*	7/1988	Hattori	D23/262
5,154,557	A		10/1992	Houck	
5,180,265	A		1/1993	Wiese	
5,238,342	A		8/1993	Stencel	
5,460,468	A		10/1995	DiStacio	
5,538,378	A		7/1996	Van Der Drift	

(Continued)

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(74) *Attorney, Agent, or Firm* — Gordon & Rees LLP

(57) **CLAIM**

The ornamental design for a fluid connector, as shown and described.

DESCRIPTION

FIG. **1** is an assembled top perspective view of the fluid connector.

FIG. **2** is an assembled left side elevation view of the fluid connector.

FIG. **3** is an assembled right side elevation view of the fluid connector

FIG. **4** is an assembled top plan view of the fluid connector.

FIG. **5** is an assembled bottom plan view of the fluid connector.

FIG. **6** is an exploded top perspective view of the fluid connector.

FIG. **7** is an exploded left side elevation view of the fluid connector.

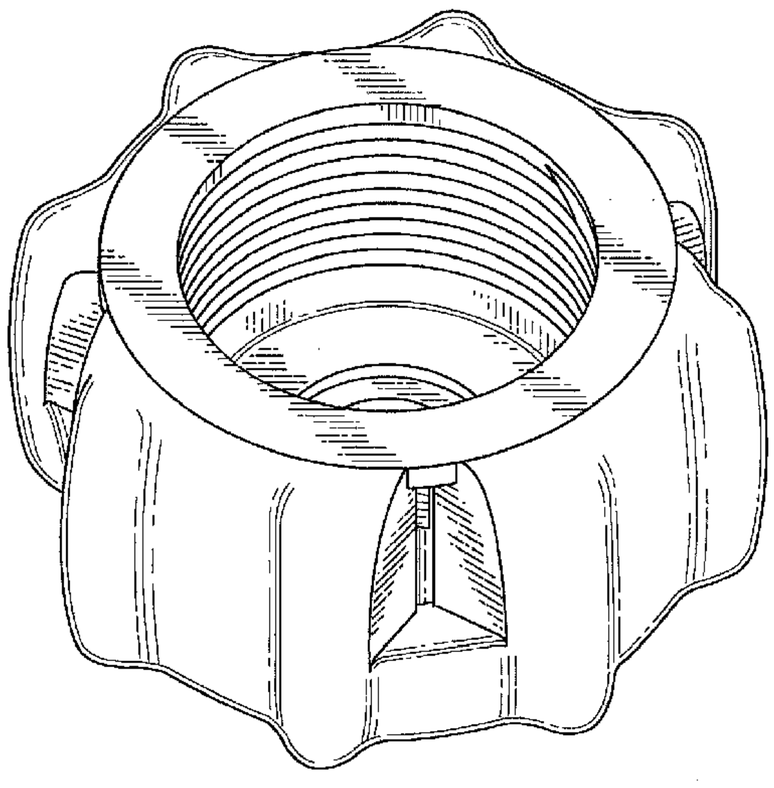
FIG. **8** is an exploded right side elevation view of the fluid connector.

FIG. **9** is an exploded top plan view of the fluid connector.

FIG. **10** is an exploded bottom plan view of the fluid connector; and,

FIG. **11** is a sectional side elevation view taken along line **11-11** in FIG. **4**.

1 Claim, 9 Drawing Sheets



U.S. PATENT DOCUMENTS

5,896,968	A	4/1999	Bruntz	
5,951,224	A	9/1999	DiStasio	
6,206,784	B1	3/2001	Kato	
6,318,763	B1 *	11/2001	Huang	285/256
6,439,086	B1	8/2002	Bahr	
6,679,663	B2	1/2004	DiStasio et al.	
7,029,216	B2	4/2006	McKay	
7,240,927	B2 *	7/2007	Chang	285/321
D572,998	S *	7/2008	Crain et al.	D8/305
7,484,420	B2	2/2009	Schuster et al.	
D600,094	S *	9/2009	Hwang et al.	D8/312
7,900,972	B2 *	3/2011	Wang et al.	285/315
8,181,997	B2 *	5/2012	Wang	285/314
2003/0002950	A1	1/2003	Jameson	
2008/0238087	A1 *	10/2008	Wang et al.	285/39
2010/0314862	A1 *	12/2010	Hsia et al.	285/8
2011/0121561	A1 *	5/2011	Wang	285/148.2
2012/0117784	A1 *	5/2012	Collin et al.	29/525.02

* cited by examiner

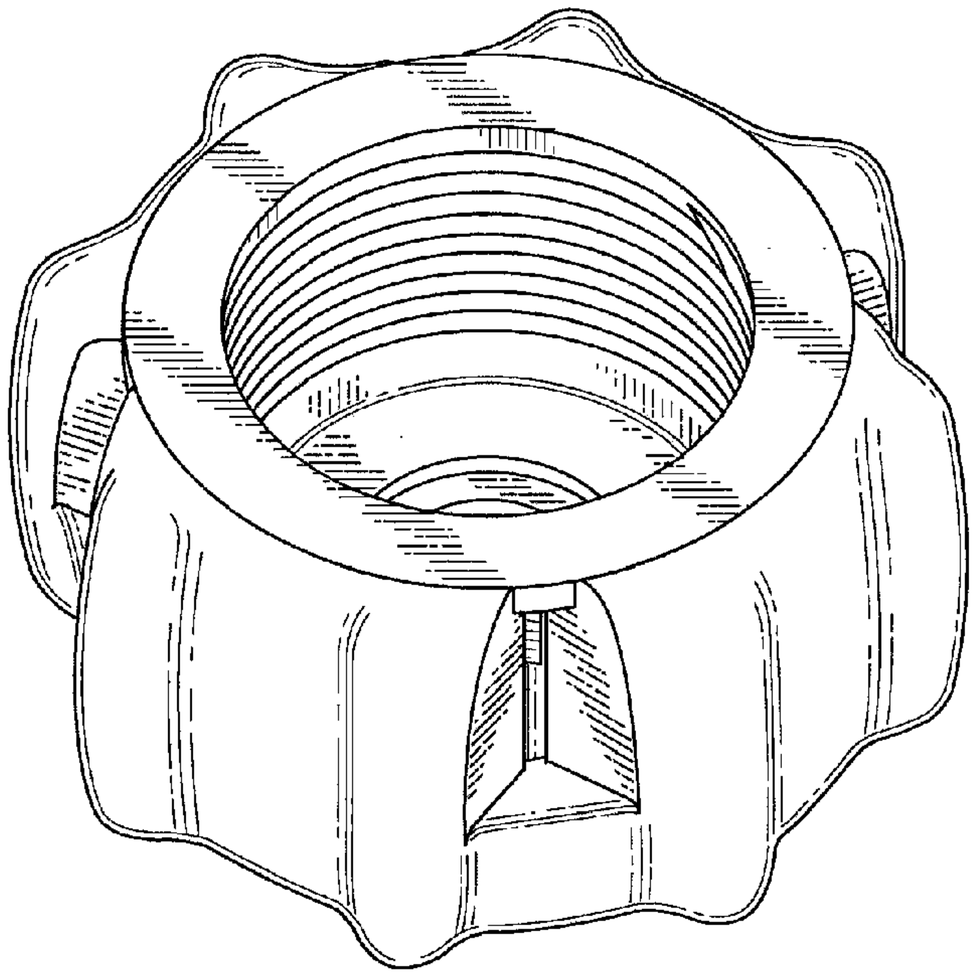


FIG. 1

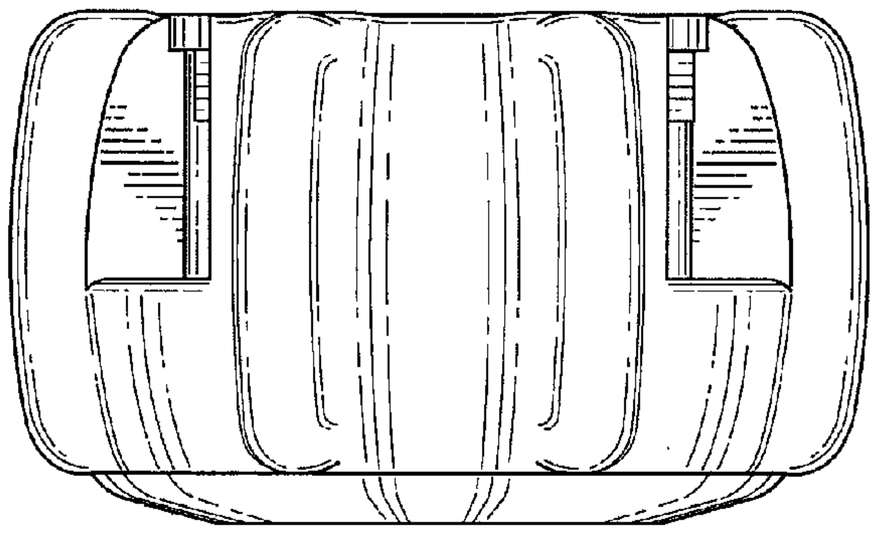


FIG. 2

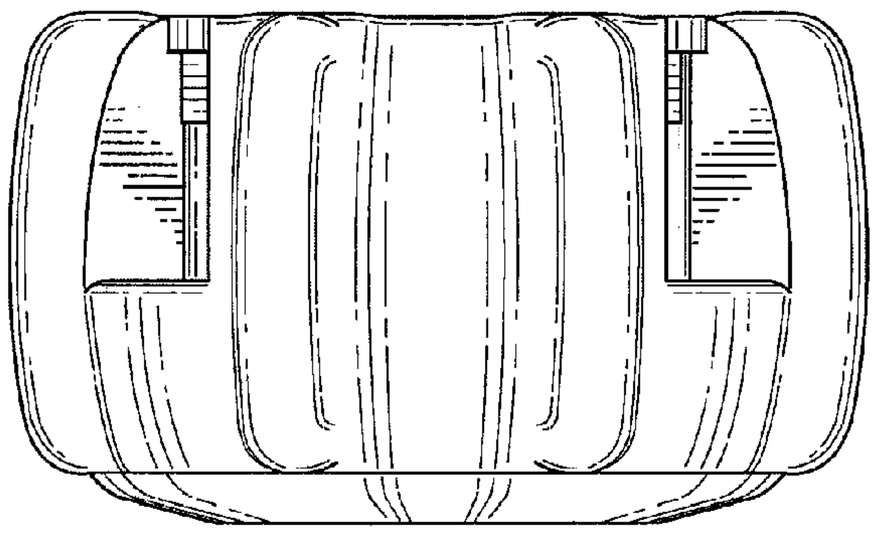


FIG. 3

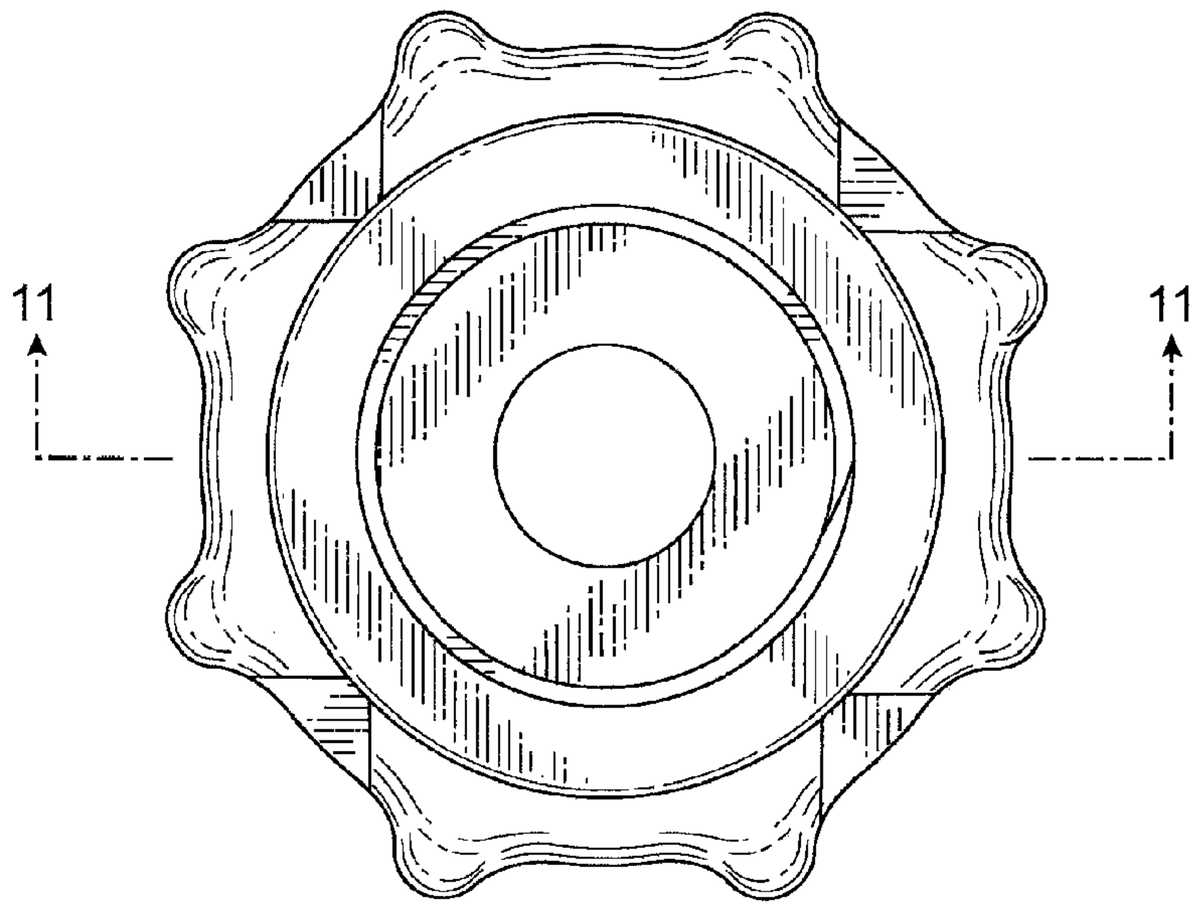


FIG. 4

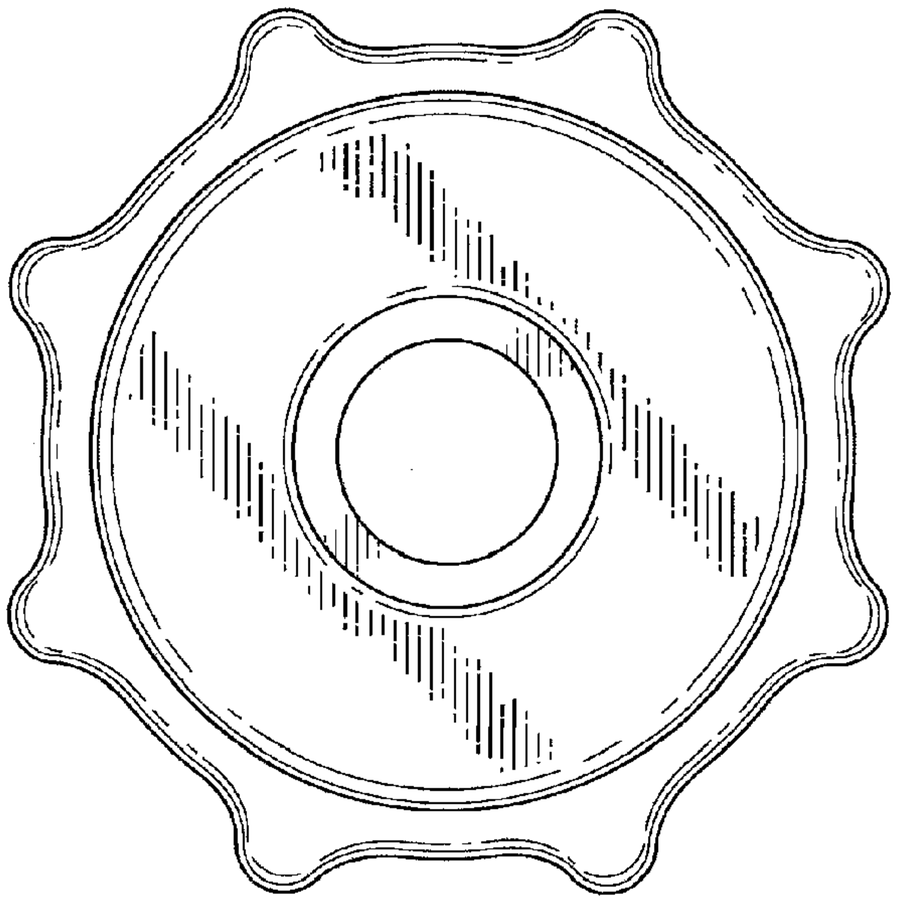


FIG. 5

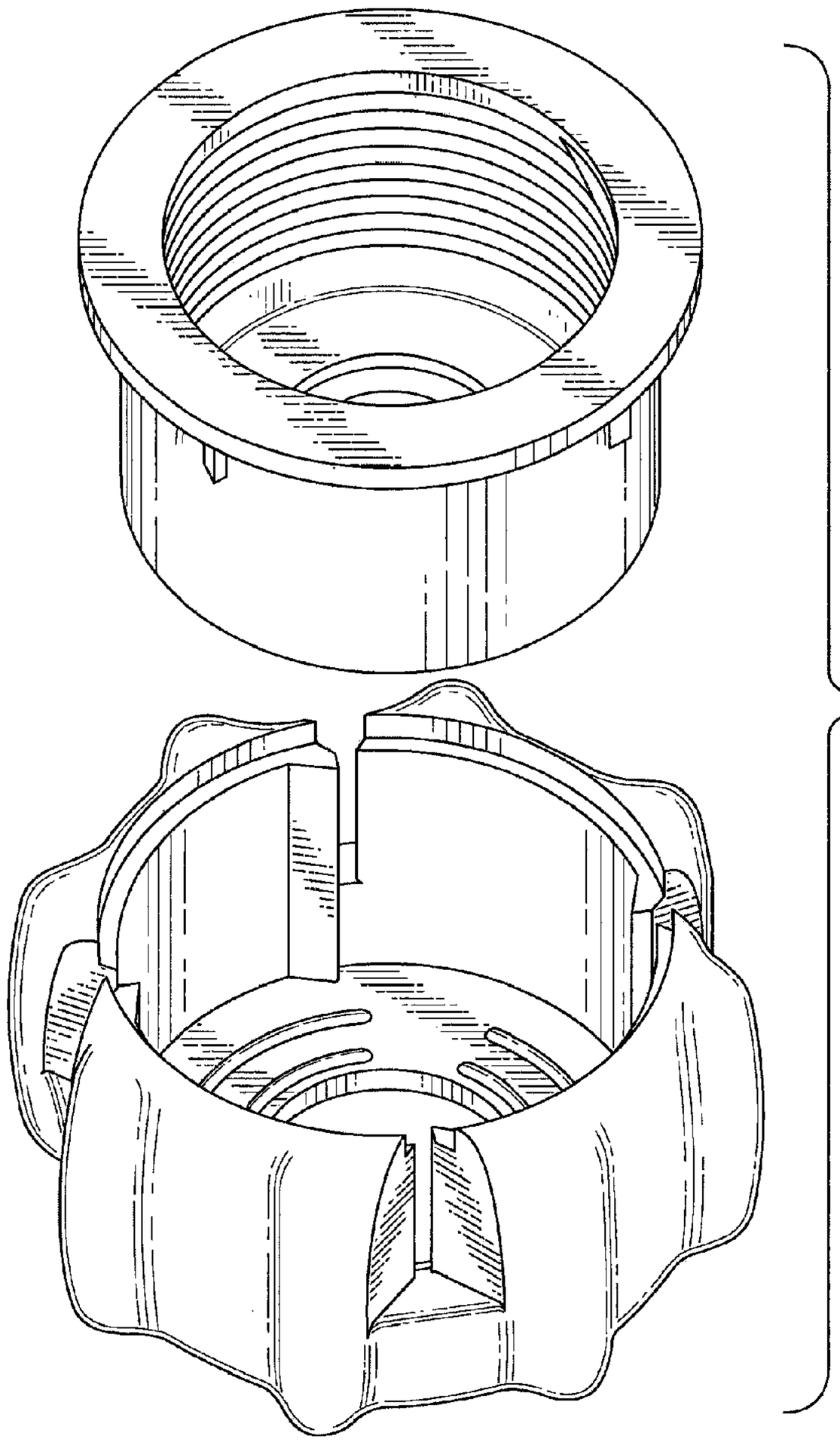


FIG. 6

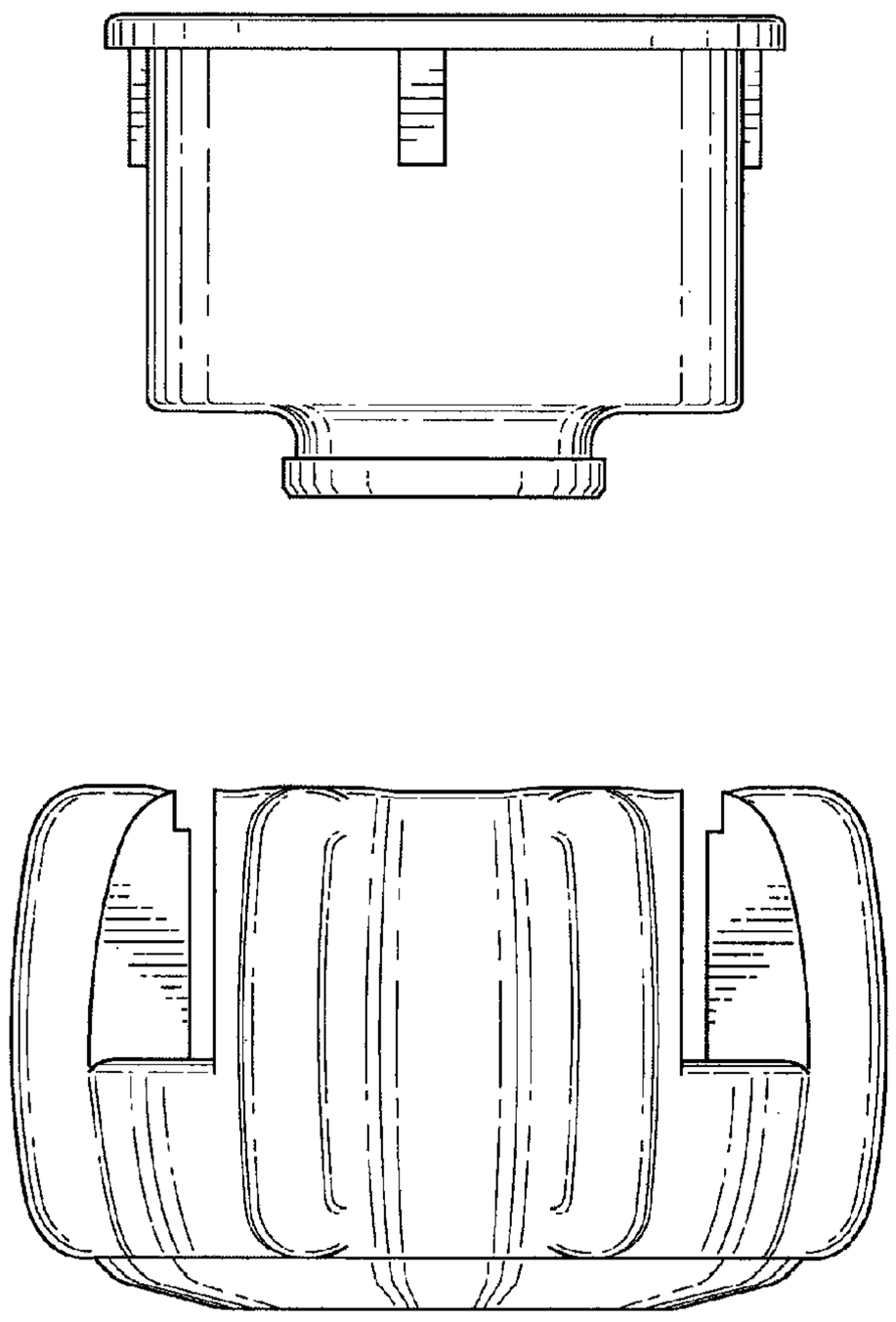
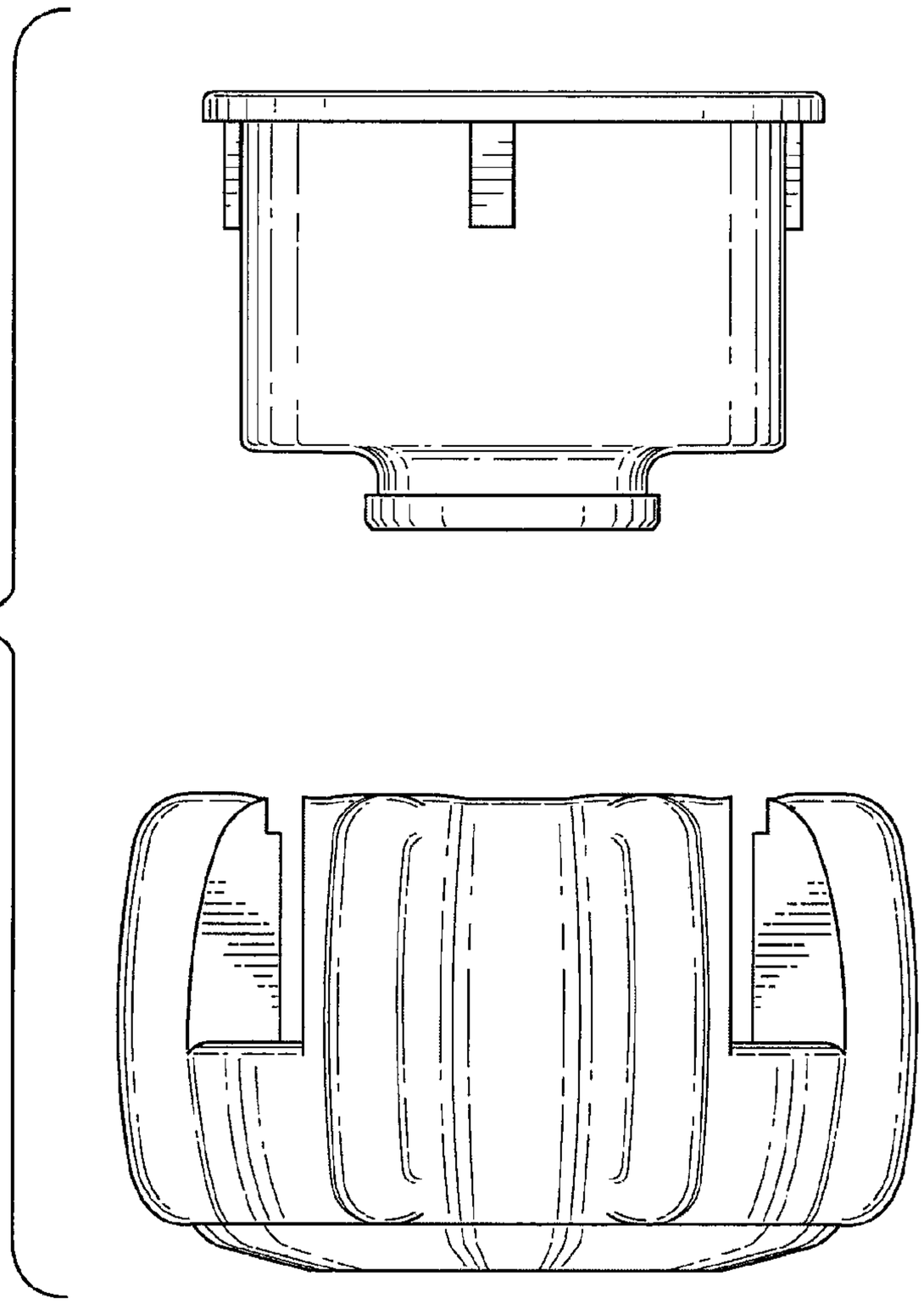


FIG. 7

FIG. 8



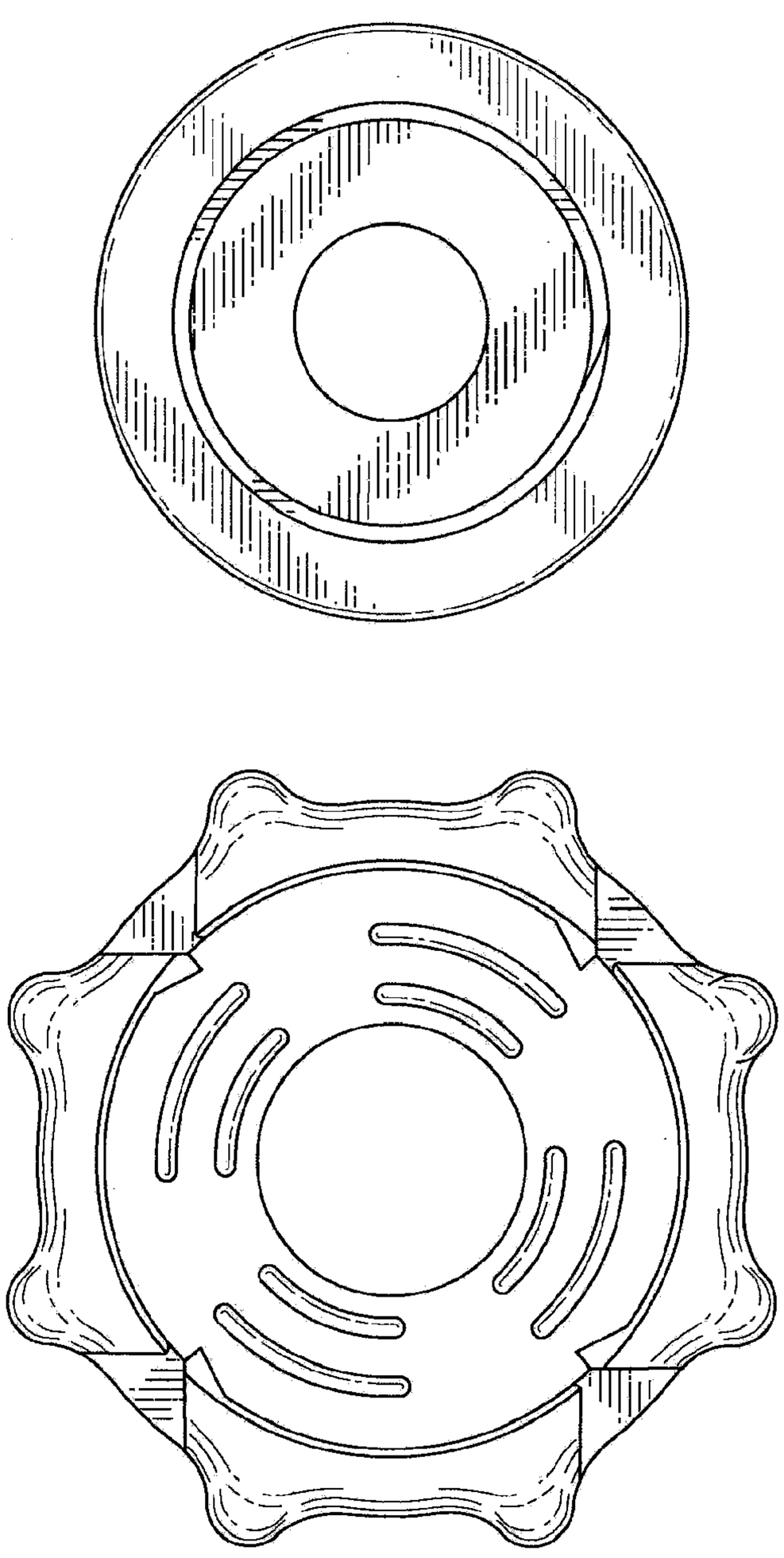


FIG. 9

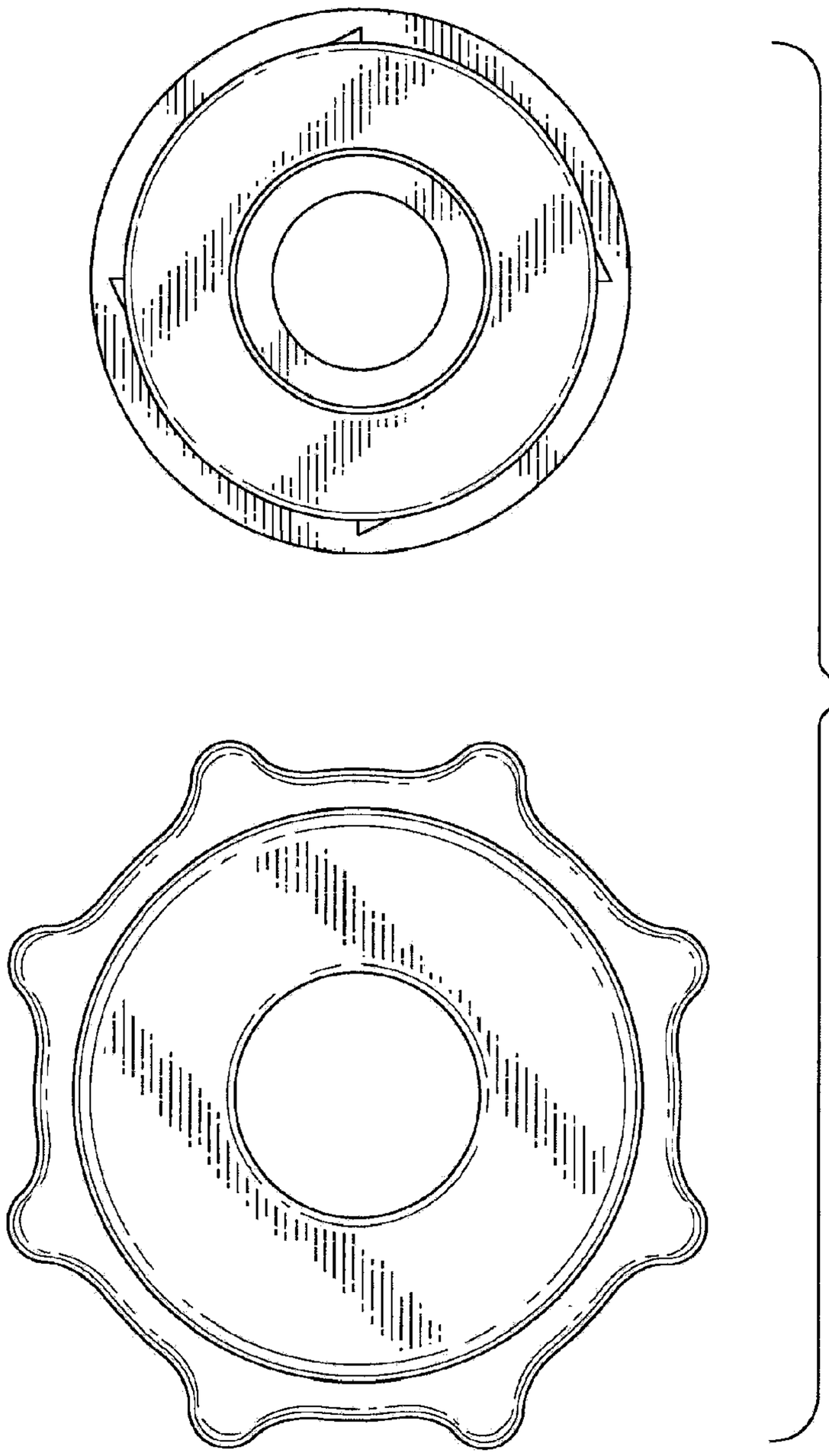


FIG. 10

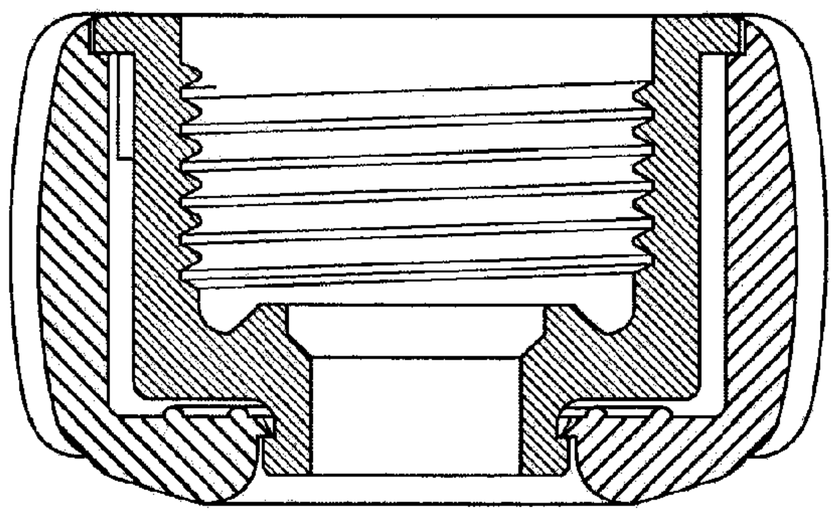


FIG. 11