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(12) United States Design Patent

Desberg

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(54) **VORTEX SIMULATOR**

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

(21) Appl. No.: **29/378,867**

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(51) **LOC (9) Cl.** **24-02**

(52) **U.S. Cl.** **D24/232**; D9/503

(58) **Field of Classification Search** D24/232, D24/108, 121, 224, 220, 216; D23/356; D9/503–504, 500, 529, 549; D21/483, 403; 434/276, 300, 370, 393; 422/292, 295, 291, 422/299; 206/235, 449; 222/106; 210/497.1; D19/62, 64; 221/63; 362/96; 40/406–407
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,589,044	A *	6/1971	Morrison et al.	434/217
D233,886	S *	12/1974	Hamstrote	D24/232
D248,373	S *	7/1978	Allen	D9/503
4,328,907	A *	5/1982	Beard	221/63
D292,932	S *	11/1987	McGinley	D19/62
D306,649	S *	3/1990	Lapicola et al.	D24/121
D321,477	S *	11/1991	Gunter	D9/503
D336,117	S *	6/1993	Studer et al.	D21/483
5,272,604	A *	12/1993	Lin	362/96
6,241,359	B1 *	6/2001	Lin	362/96
D448,290	S *	9/2001	Schultz et al.	D9/503
6,481,128	B1 *	11/2002	Lin	40/407
D513,797	S *	1/2006	Wang	D23/356
D548,329	S *	8/2007	Cimino	D24/108
D561,907	S *	2/2008	Py et al.	D24/224
D561,908	S *	2/2008	Py et al.	D24/224
D569,008	S *	5/2008	Lundqvist et al.	D24/232
7,905,728	B2 *	3/2011	Piontek	434/276
D637,729	S *	5/2011	Tompkin	D24/215
D641,088	S *	7/2011	Giraud et al.	D24/224

* cited by examiner

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(57) **CLAIM**

I claim the ornamental design for a vortex simulator, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a vortex simulator.

FIG. **2** is a is a front elevation view of the vortex simulator illustrated in FIG. **1**.

FIG. **3** is a rear elevation view of the vortex simulator illustrated in FIG. **1**.

FIG. **4** is an elevation view of left side of the vortex simulator illustrated in FIG. **1**.

FIG. **5** is an elevation view of the right side of the vortex simulator illustrated in FIG. **1**.

FIG. **6** is a top view of the vortex simulator illustrated in FIG. **1**; and,

FIG. **7** is a bottom view of the vortex simulator illustrated in FIG. **1**.

The broken lines shown in figures represent portions of the vortex simulator that form no part of the claimed design.

1 Claim, 4 Drawing Sheets

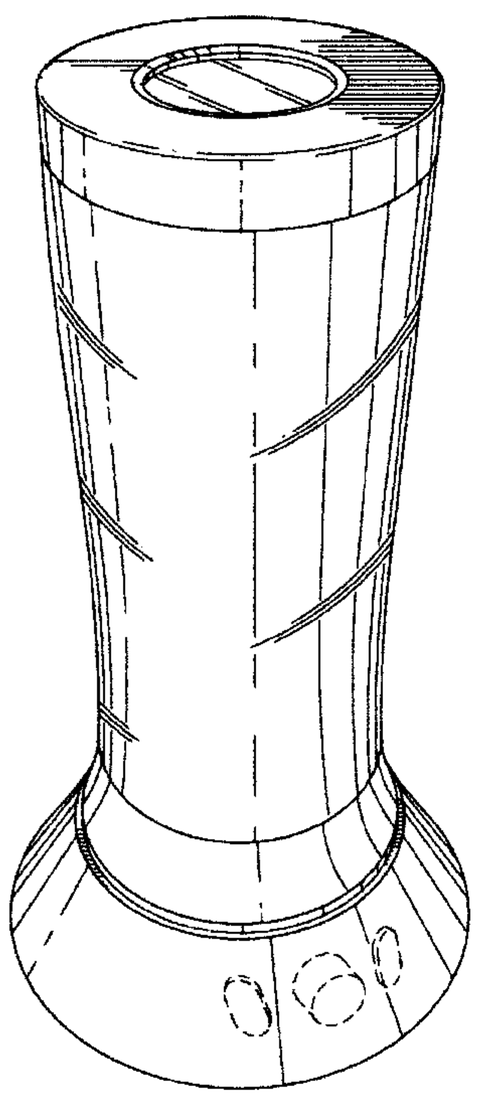
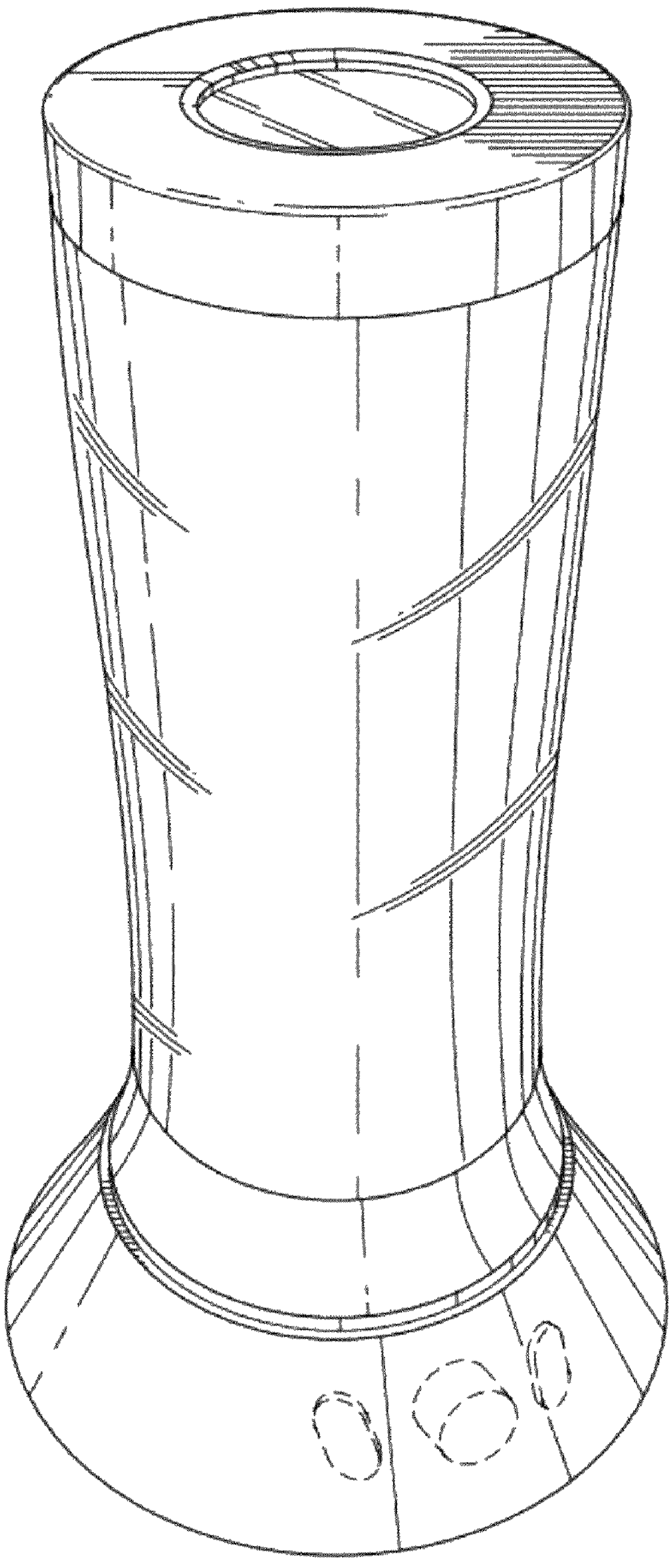


FIG. 1



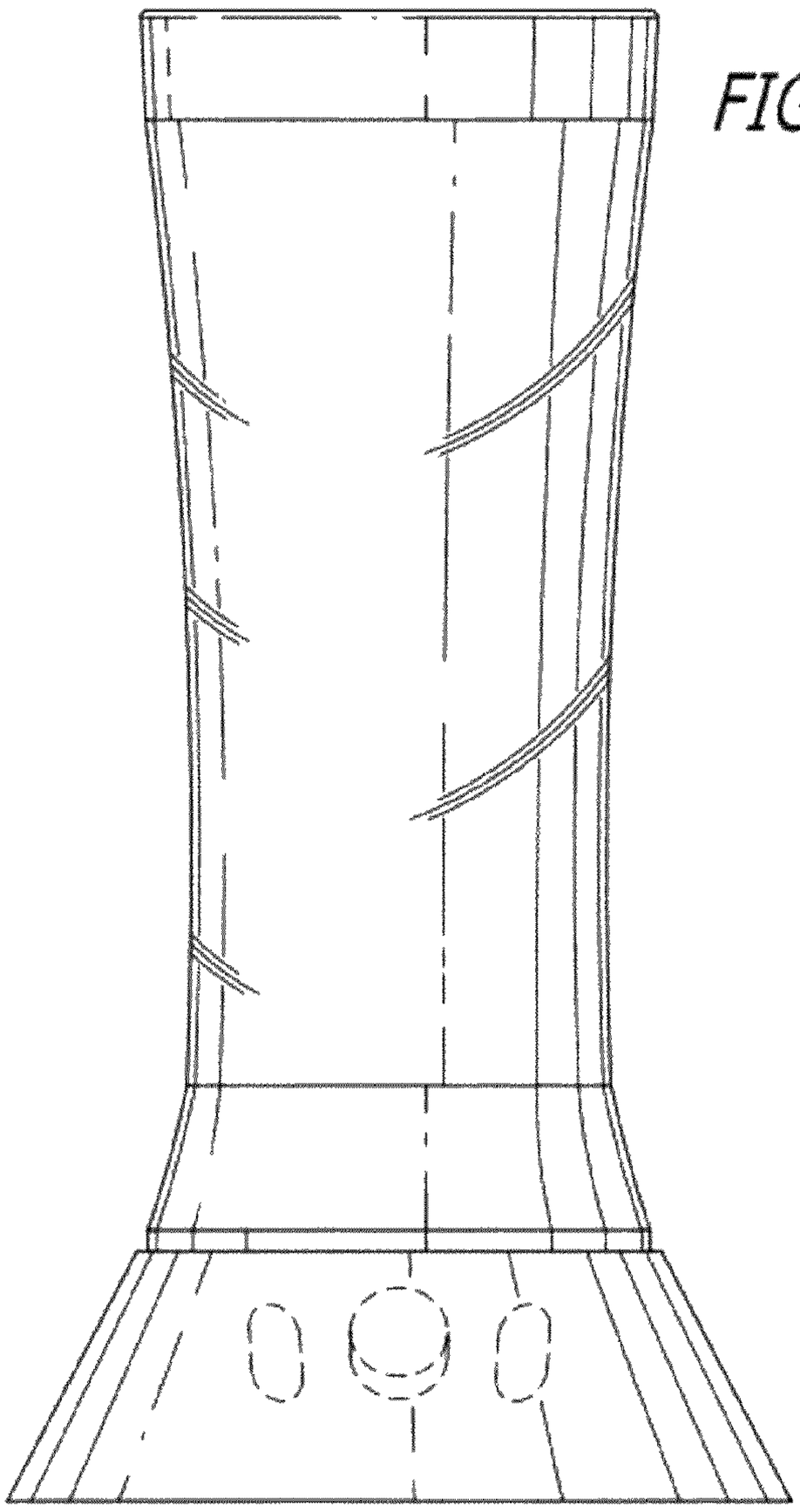


FIG. 2

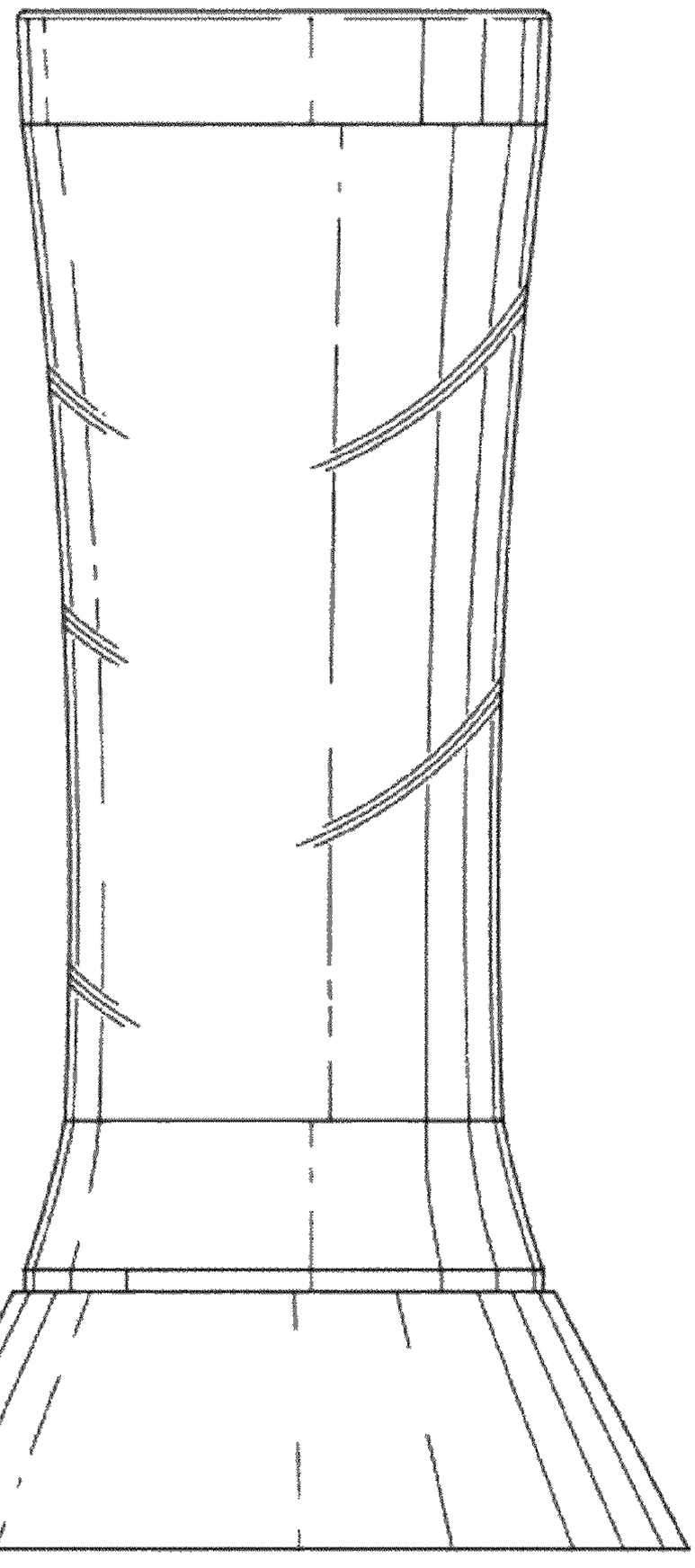


FIG. 3

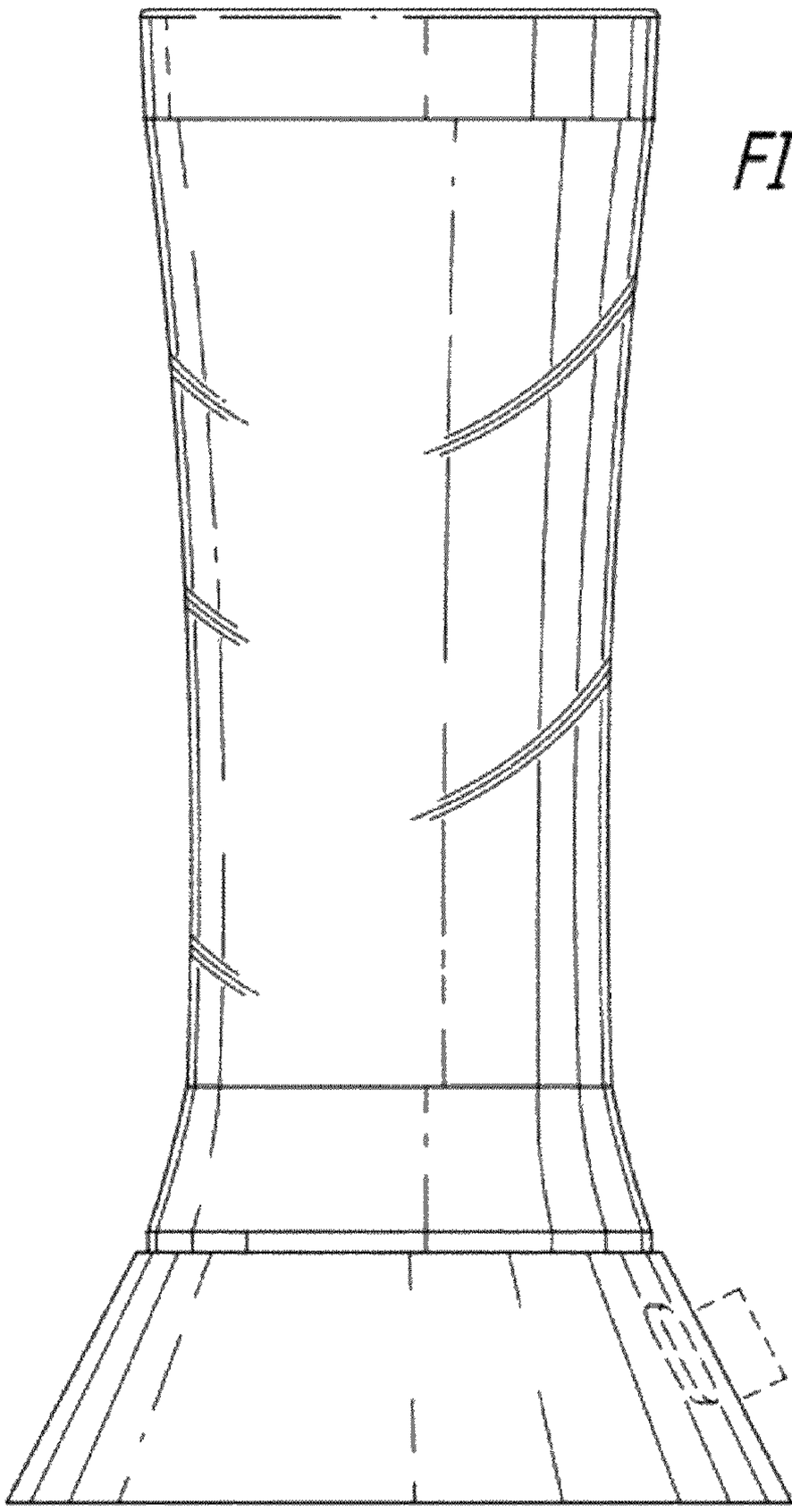


FIG. 4

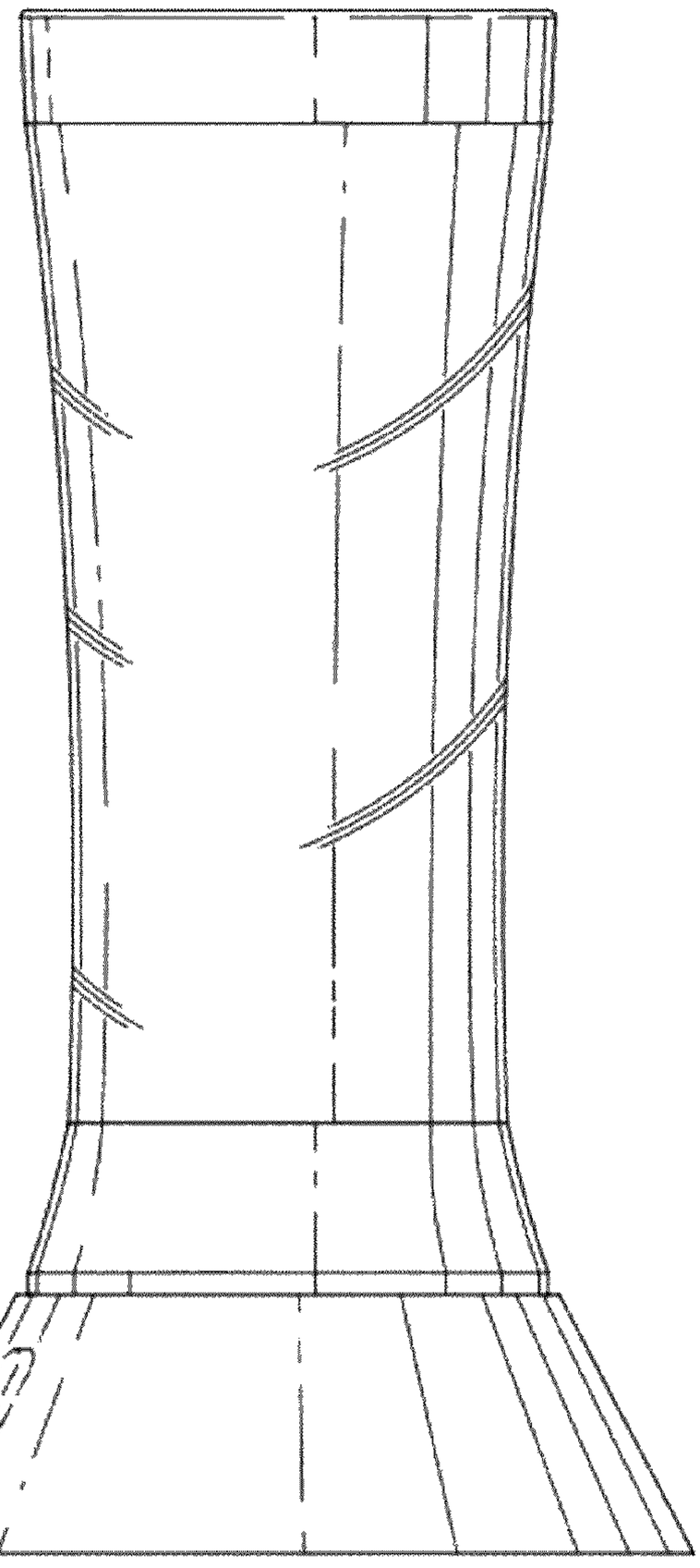


FIG. 5

FIG. 6

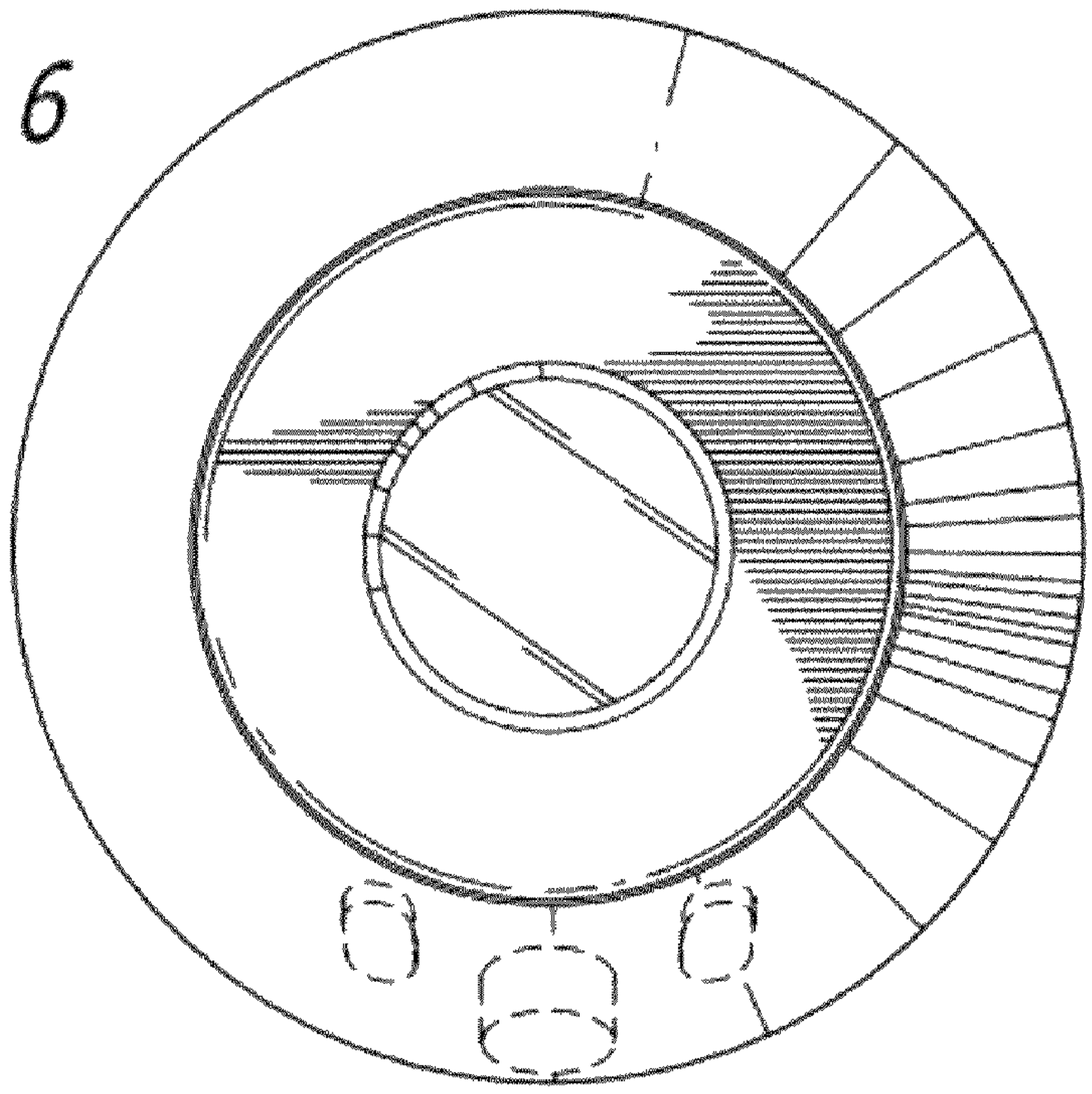


FIG. 7