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(12) **United States Design Patent**
Knapp

(10) **Patent No.:** **US D633,157 S**

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(54) **MUSCULAR STRENGTHENING DEVICE**

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

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(51) **LOC (9) Cl.** **21-02**

(52) **U.S. Cl.** **D21/684**

(58) **Field of Classification Search** D21/662,
D21/684, 692-694; 482/44, 49, 82, 109,
482/114, 118, 119, 121, 126, 128, 139, 141;
D8/303

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,026,215	A *	5/1912	Korth	.....	482/50
4,262,898	A *	4/1981	Lee	.....	482/49
D264,737	S	6/1982	Cooper		
4,433,364	A *	2/1984	Noble	.....	482/8
4,558,864	A *	12/1985	Medwedeff	.....	273/148 B
4,623,141	A *	11/1986	Salvino	.....	482/49
4,714,245	A *	12/1987	Cho	.....	482/82
4,753,434	A *	6/1988	Salvino	.....	482/49
4,798,377	A	1/1989	White		
4,943,047	A *	7/1990	Noble	.....	482/49
5,060,934	A *	10/1991	Winston	.....	482/49

5,308,299	A	5/1994	Winston		
5,360,385	A	11/1994	Wang		
5,409,436	A	4/1995	Chang		
5,472,400	A	12/1995	Royer		
5,599,256	A	2/1997	Hughes, Jr.		
5,833,580	A	11/1998	Chiu		
D431,060	S *	9/2000	Wyrick	.....	D21/684
7,077,787	B1	7/2006	Wiesman		
D626,188	S *	10/2010	Bisson	D21/684

* cited by examiner

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(57) **CLAIM**

The ornamental design for a muscular strengthening device, as shown and described.

DESCRIPTION

FIG. 1 is a right elevation view of a muscular strengthening device showing my new design, the opposite side being a mirror image of the shown;

FIG. 2 is a front elevation view thereof;

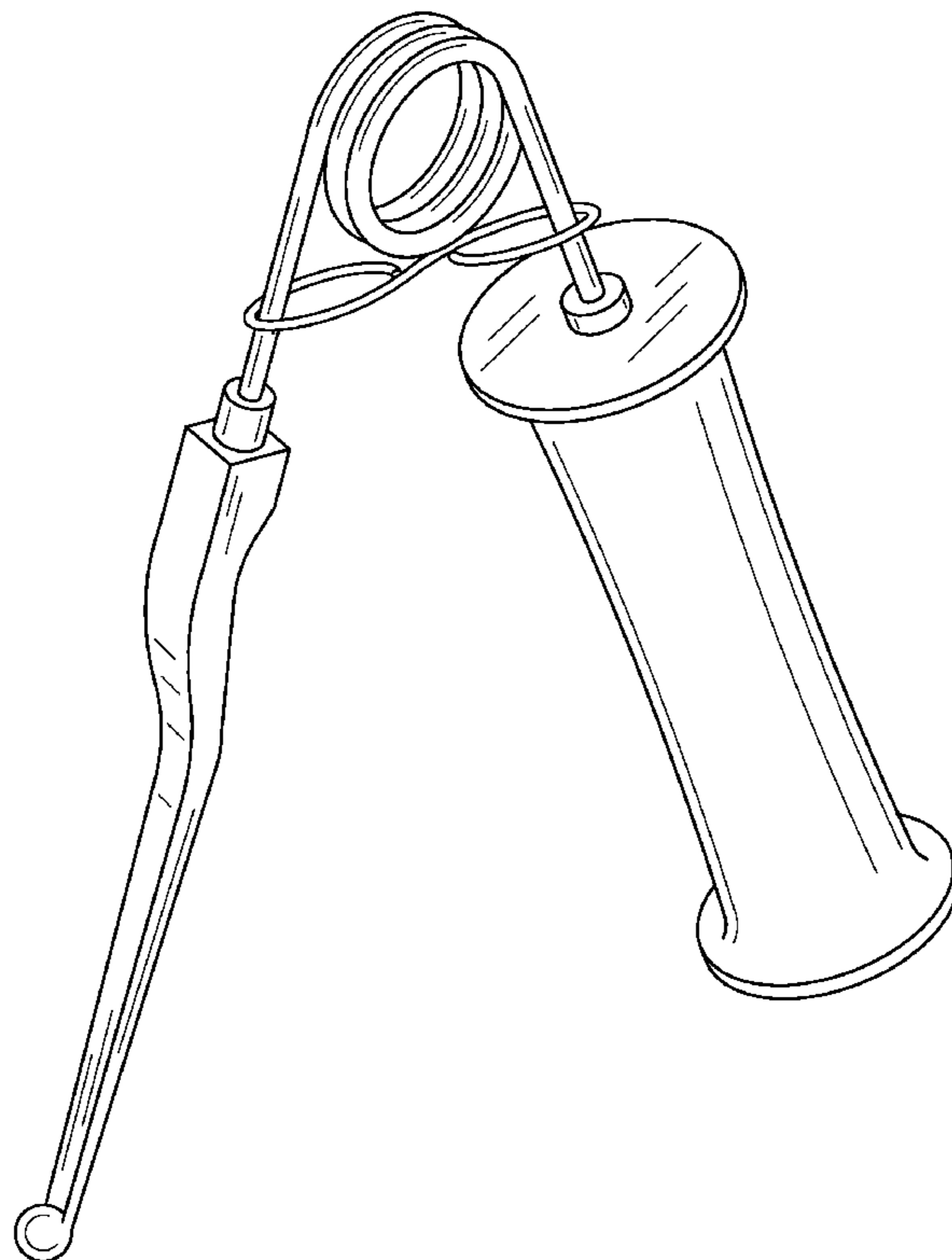
FIG. 3 is a rear elevation view thereof;

FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view thereof; and,

FIG. 6 is an isometric view thereof.

1 Claim, 4 Drawing Sheets



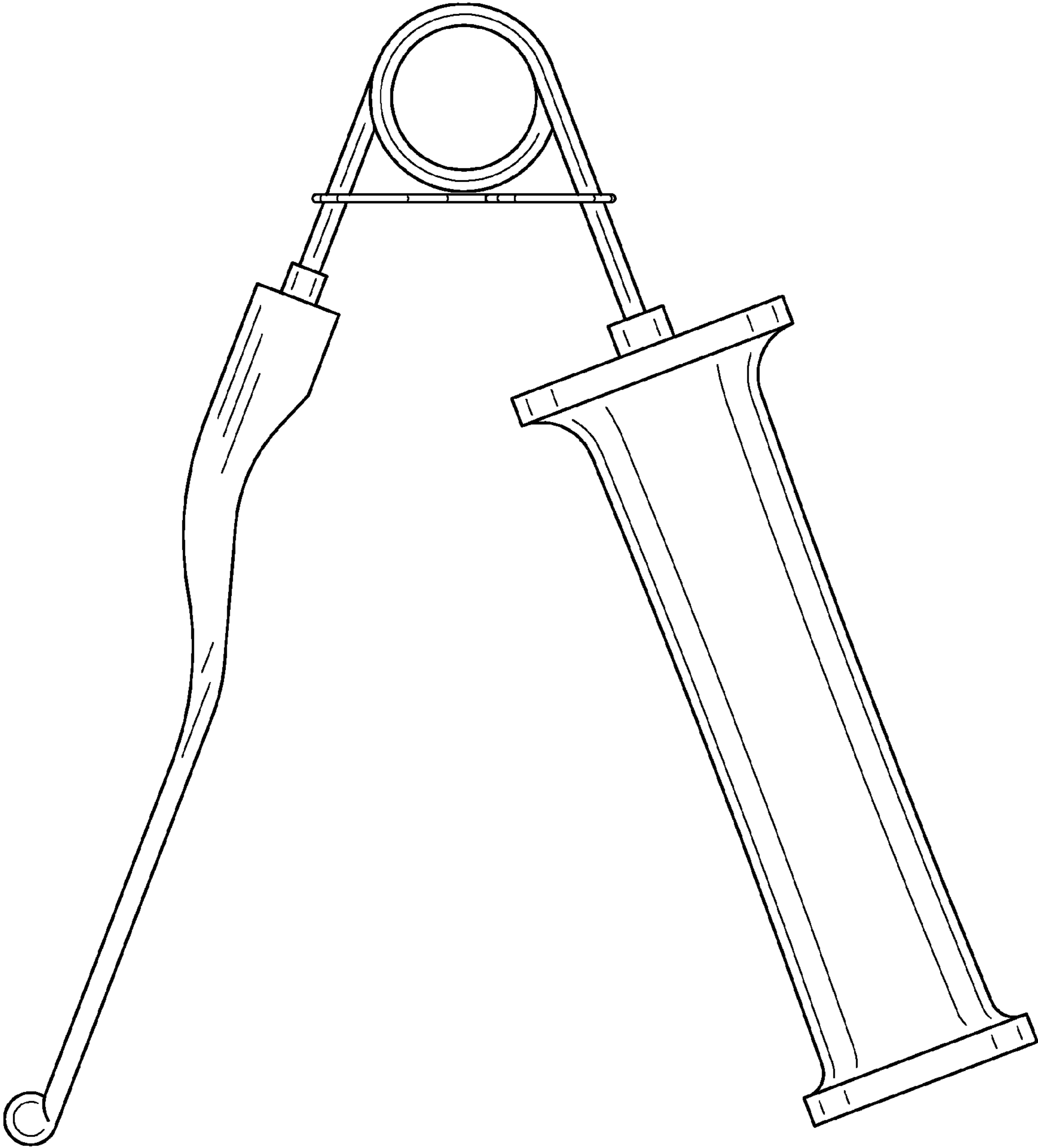


FIG. 1

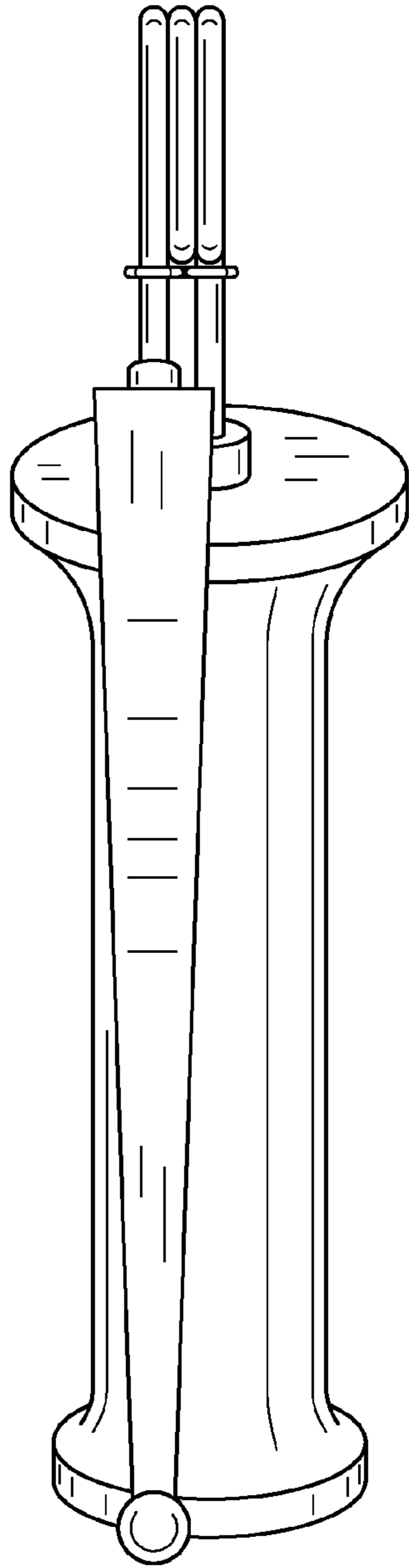


FIG. 2

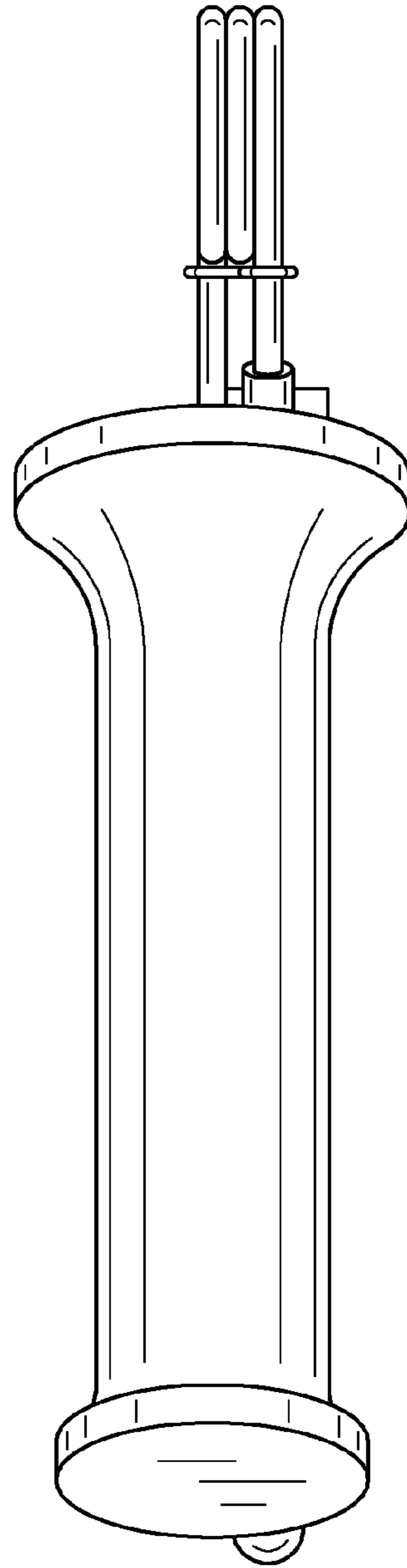


FIG. 3

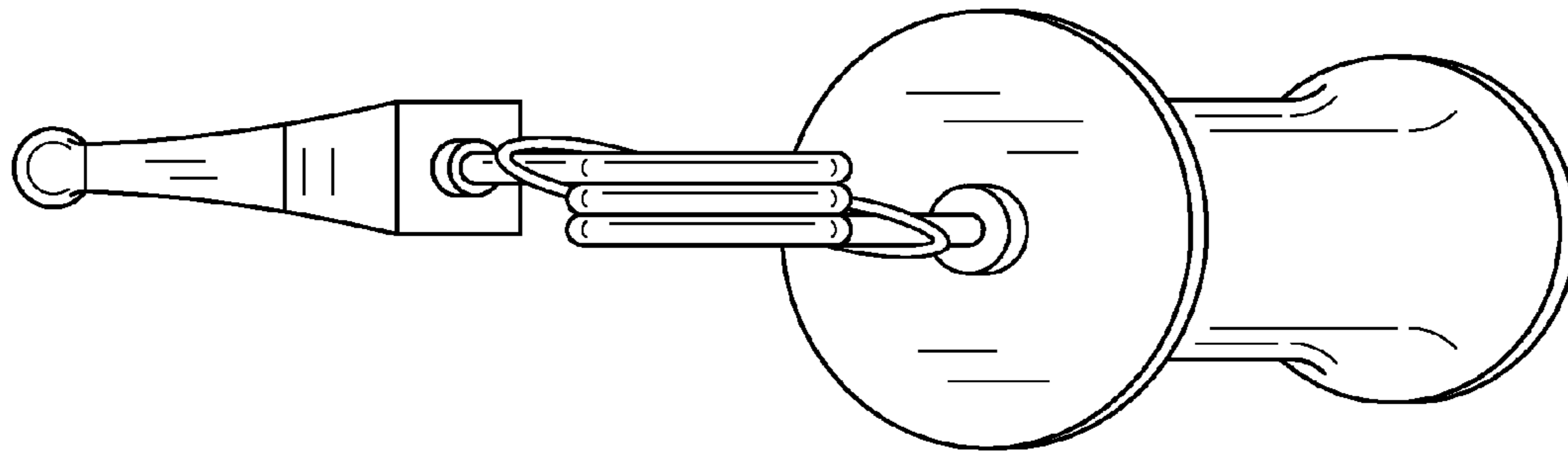


FIG. 4

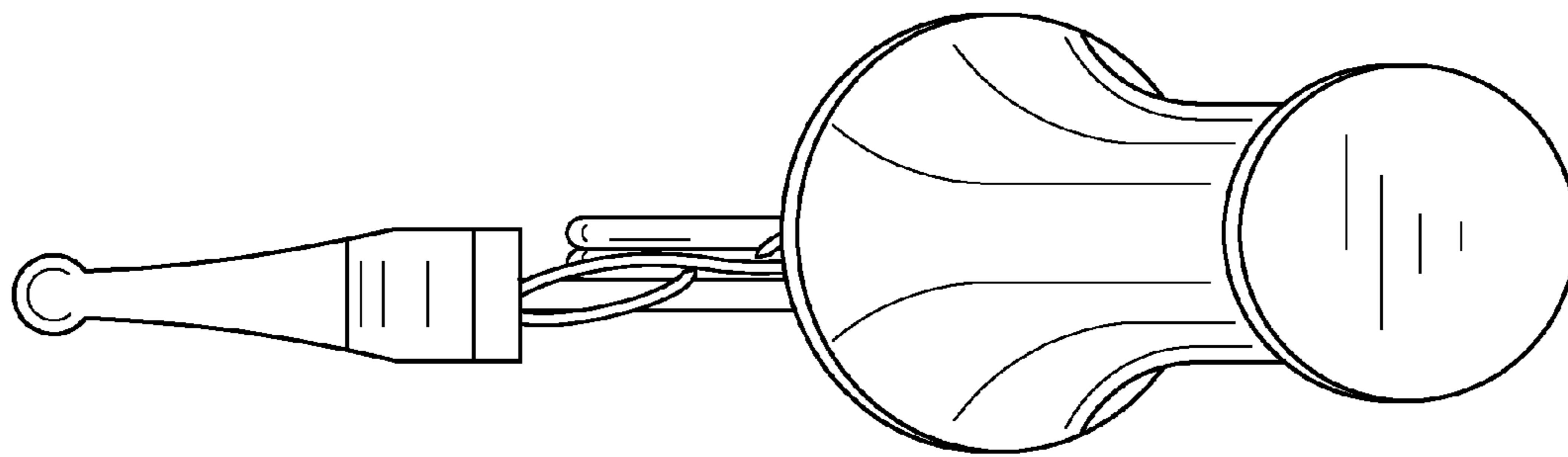


FIG. 5

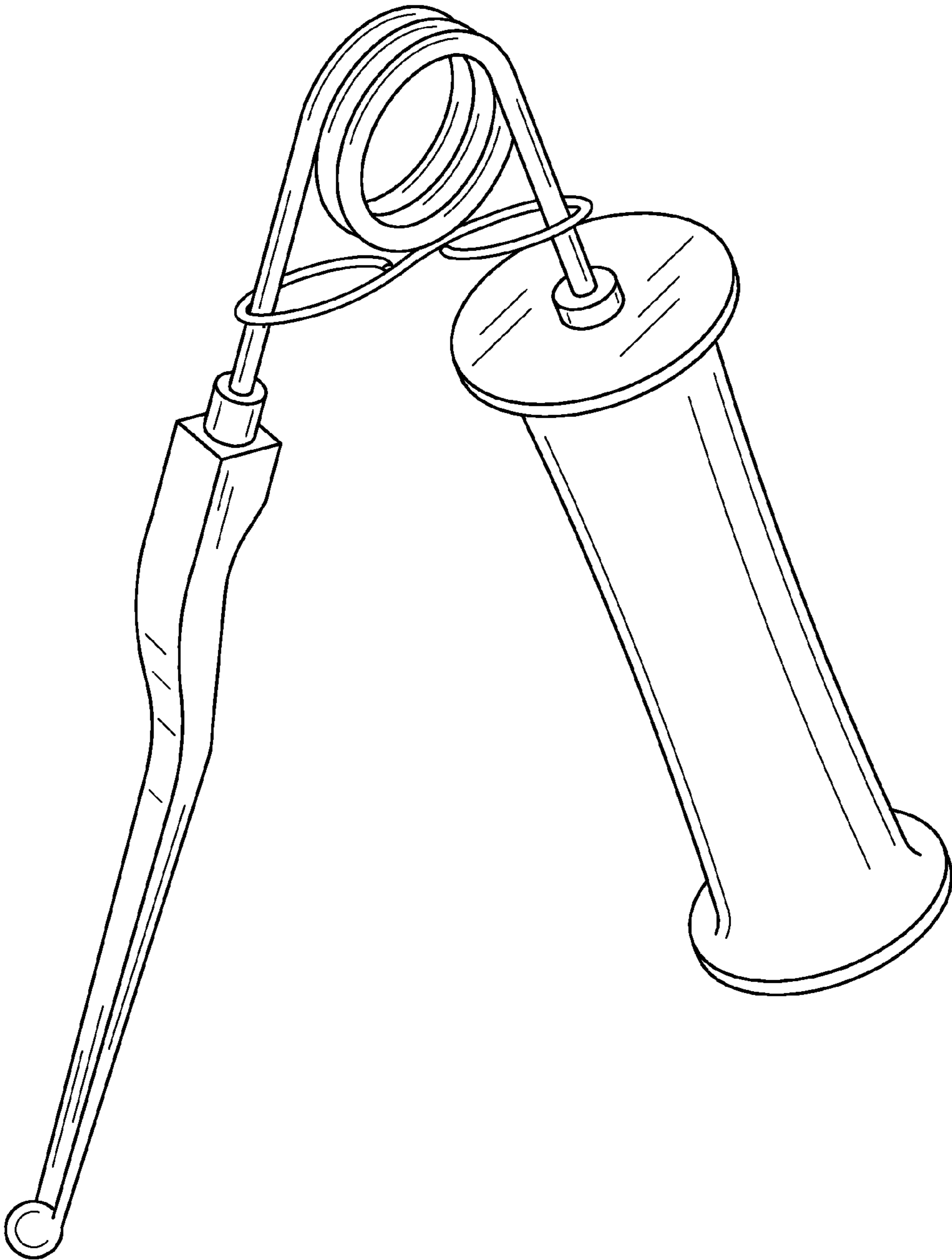


FIG. 6