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# United States Patent [19]

Lawrence et al.

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[54] **SYRINGE AND SENSOR ASSEMBLY**

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[73] Assignee: **Advanced Cardiovascular Systems, Inc.**, Santa Clara, Calif.

[\*\*] Term: **14 Years**

[21] Appl. No.: **36,337**

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[52] U.S. Cl. .... **D24/114**; 604/121; 604/207; 604/187

[58] Field of Search ..... D24/114, 130, D24/194, 196, 197, 198; 604/118, 121, 124, 125, 187, 190, 207, 68, 127, 218, 219; 128/DIG. 12, DIG. 13

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

3,078,850	2/1963	Schein et al. ....	604/187 X
4,370,982	2/1983	Reilly .....	604/98
4,439,185	3/1984	Lindquist .....	604/97
4,583,974	4/1986	Kokernak .....	604/211
4,651,738	3/1987	Demer et al. ....	128/344
4,654,027	3/1987	Dragan et al. ....	604/99
4,655,749	4/1987	Fischione .....	604/98
4,694,409	9/1987	Lehman .....	364/558
4,723,938	2/1988	Goodin et al. ....	604/99
4,743,230	5/1988	Nordquest .....	604/97
4,758,223	7/1988	Rydell .....	604/98

4,781,192	11/1988	Demer .....	128/344
4,795,431	1/1989	Walling .....	604/97
4,801,293	1/1989	Jackson .....	604/118 X
4,802,479	2/1989	Haber et al. ....	128/344
4,808,165	2/1989	Carr .....	604/97
4,832,692	5/1989	Box et al. ....	604/99
4,838,864	6/1989	Peterson .....	604/100
5,308,341	5/1994	Chanoch .....	604/207 X
5,449,345	9/1995	Taylor et al. ....	604/121 X

**FOREIGN PATENT DOCUMENTS**

2153012	8/1985	United Kingdom .....	604/187
WO90/04987	5/1990	WIPO .....	A61M 5/155
WO92/06735	4/1992	WIPO .....	A61M 29/02
WO92/15359	9/1992	WIPO .....	A61M 29/00

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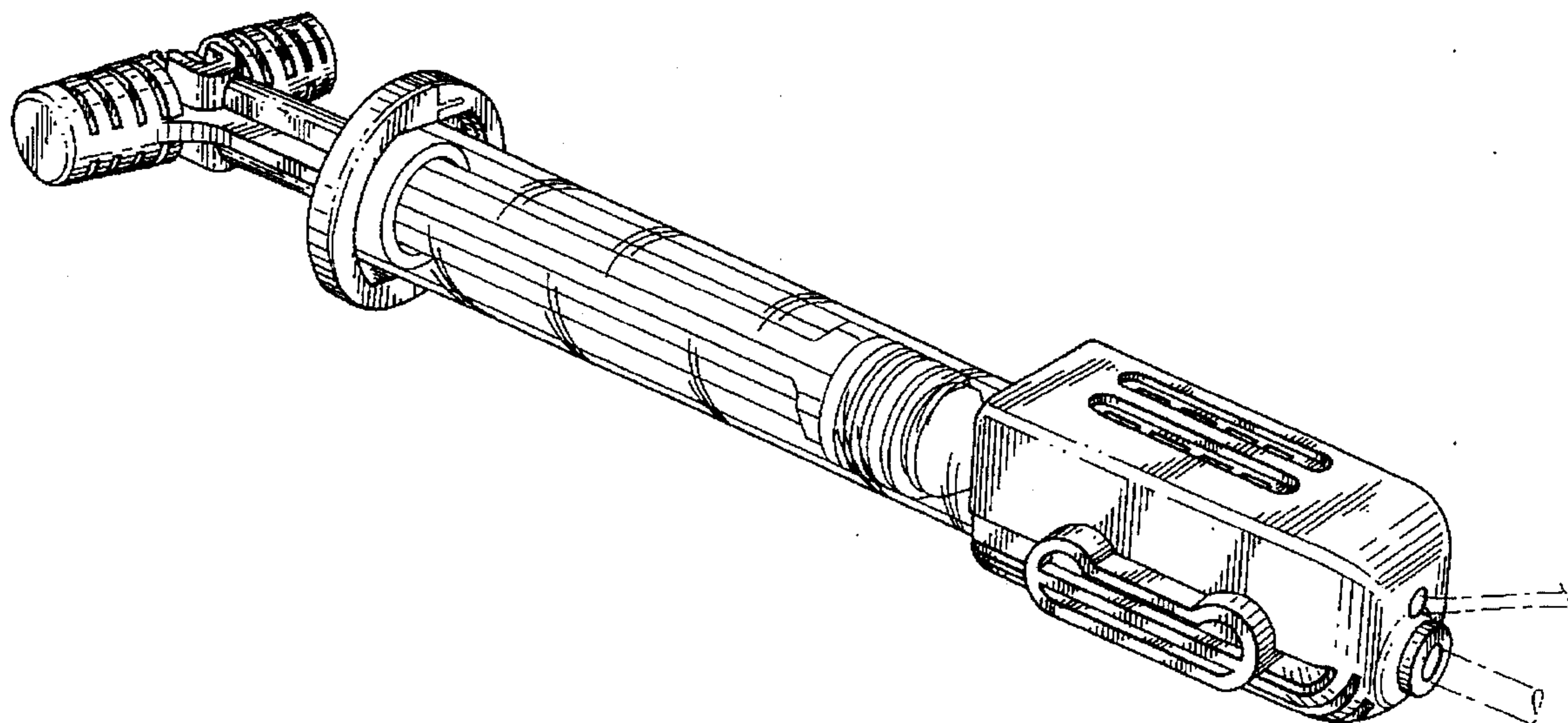
[57] **CLAIM**

The ornamental design for a syringe and sensor assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view showing the front, top and right side of a syringe and sensor assembly of our new design, the dotted line showing of tubing and wire are for illustrative purposes only and form no part of the claimed design; FIG. 2 is a top plan view thereof; FIG. 3 is a bottom plan view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a front elevational view thereof; and, FIG. 6 is a rear elevational view thereof.

**1 Claim, 3 Drawing Sheets**



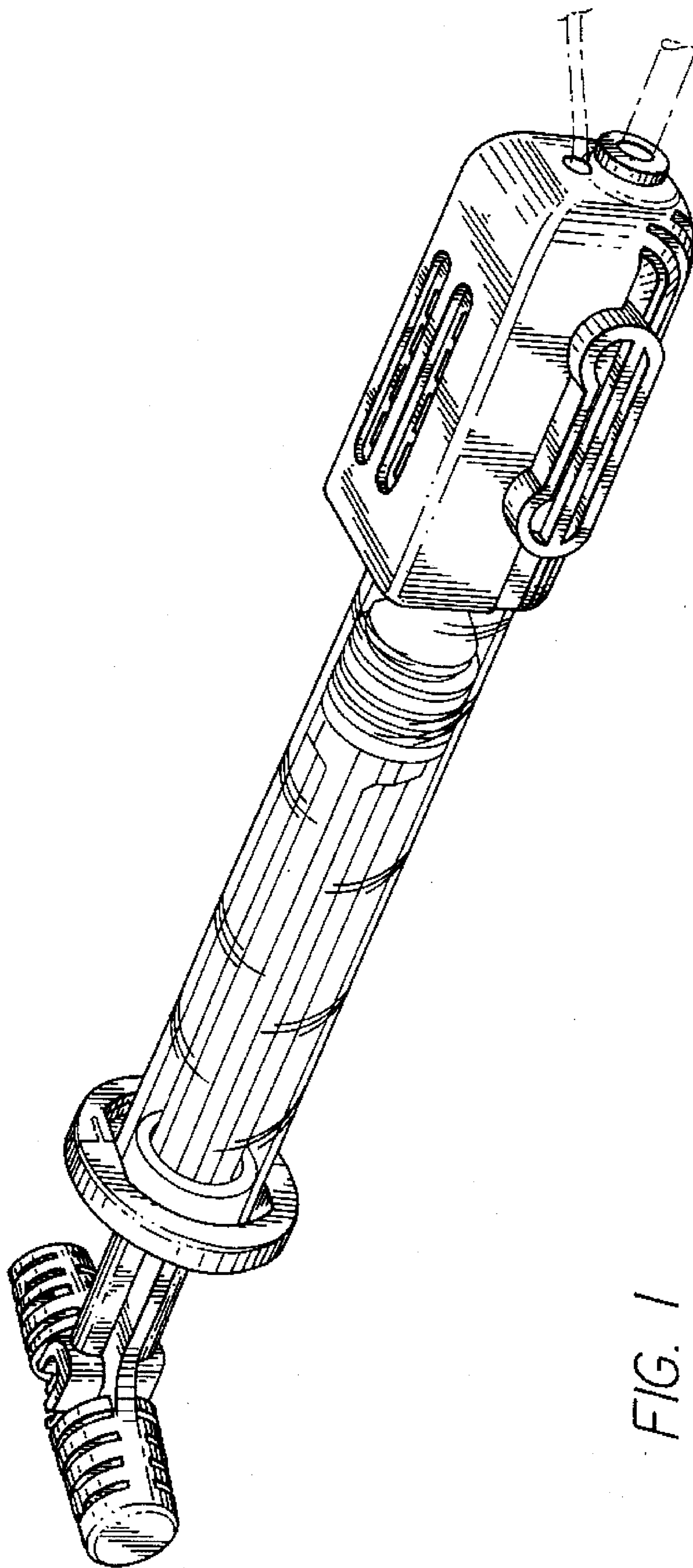


FIG. 1

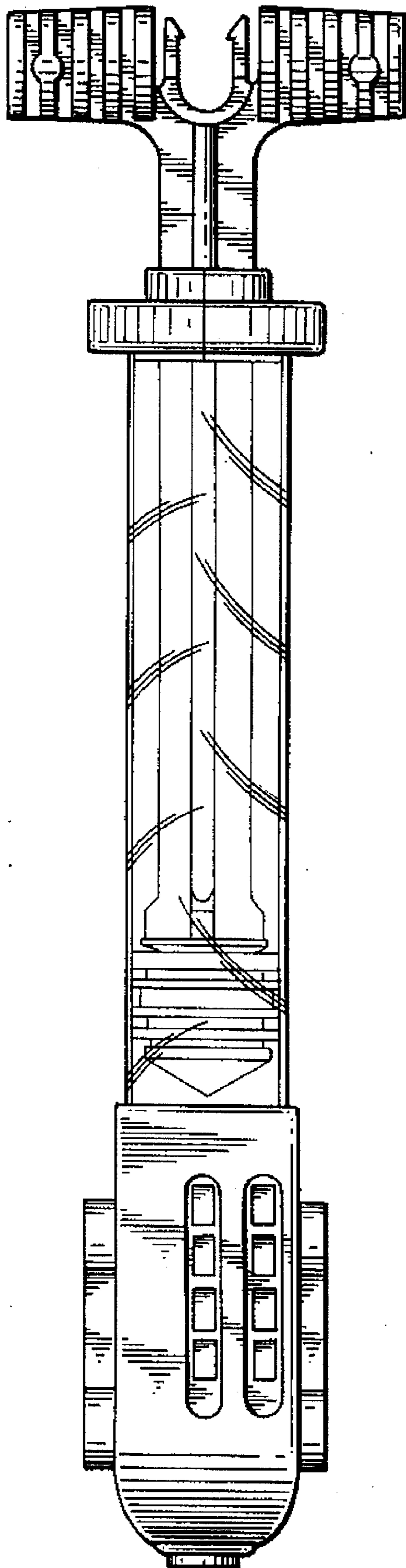


FIG. 2

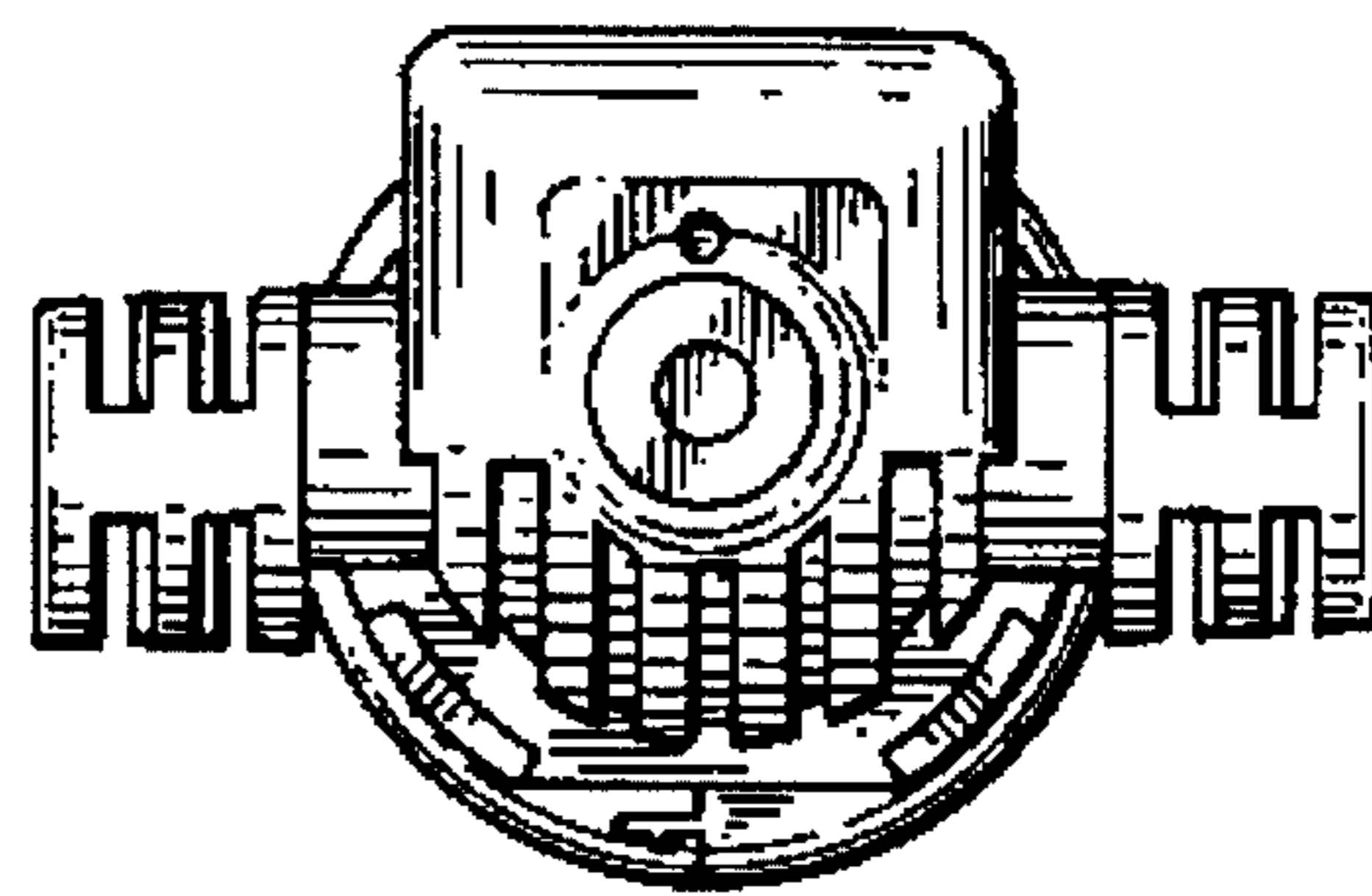


FIG. 5

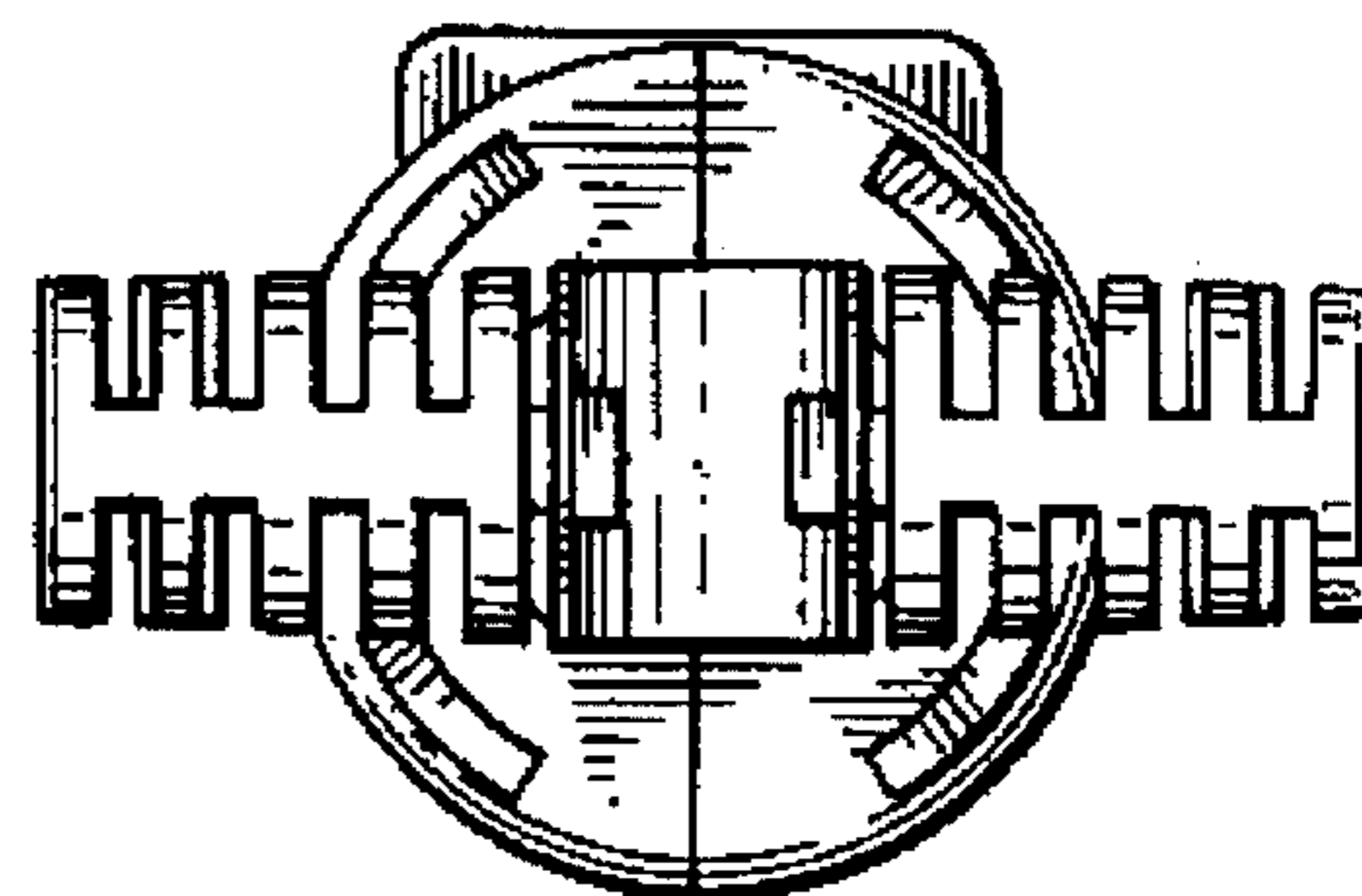


FIG. 6

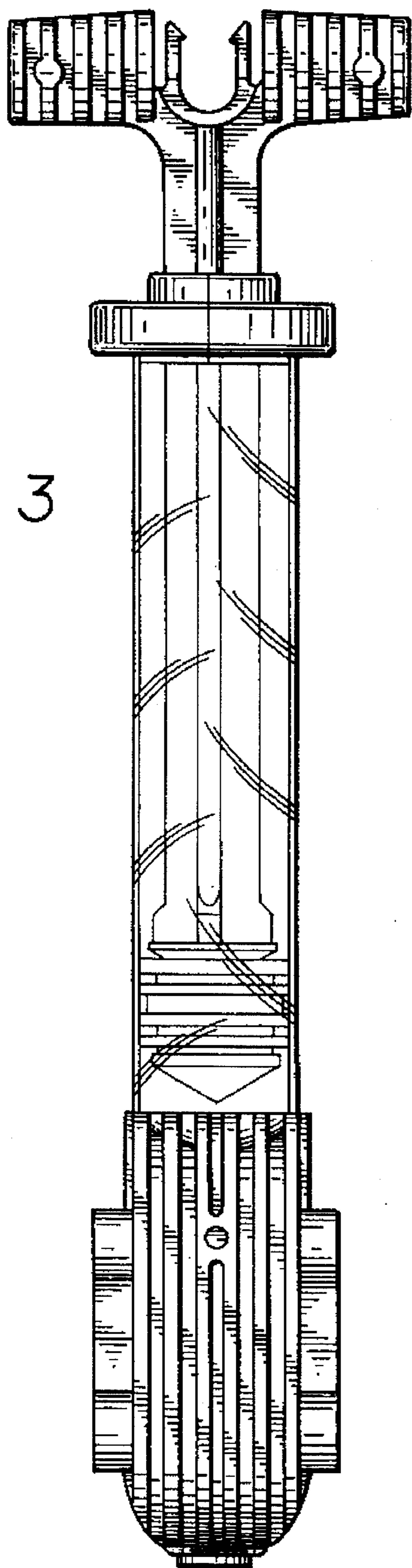


FIG. 3

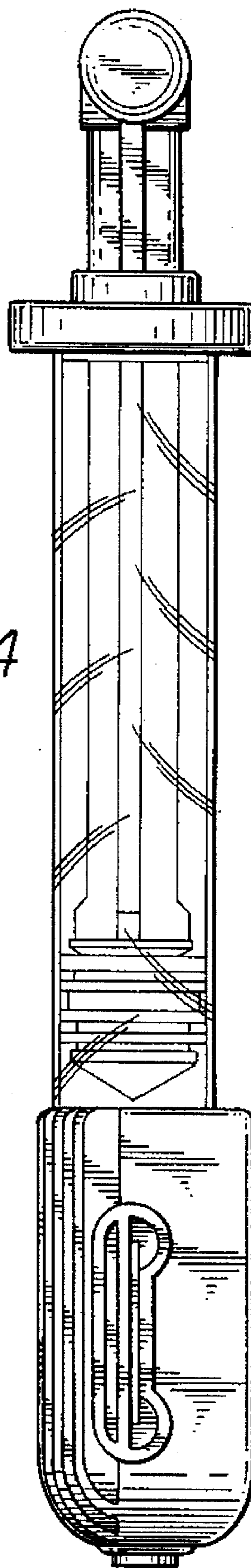


FIG. 4