



US00D347498S

United States Patent [19]

[11] Patent Number: **Des. 347,498**

Cannon

[45] Date of Patent: **** May 31, 1994**

[54] **PIPE CLEANING APPARATUS**

4,257,139	3/1981	Yeo	15/104.35 N
4,771,500	9/1988	Kovacs	15/104.33
4,974,280	12/1990	Ward	15/104.31

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Tulsa, Okla. 74136

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

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Assistant Examiner—Ruth McInroy
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[21] Appl. No.: **479,584**

[57] **CLAIM**

[22] Filed: **Feb. 13, 1990**

The ornamental design for a pipe cleaning apparatus, as shown and described.

[52] U.S. Cl. **D32/14**

[58] Field of Search 15/104.03, 104.05, 104.31,
15/104.32, 104.33; D32/1, 14

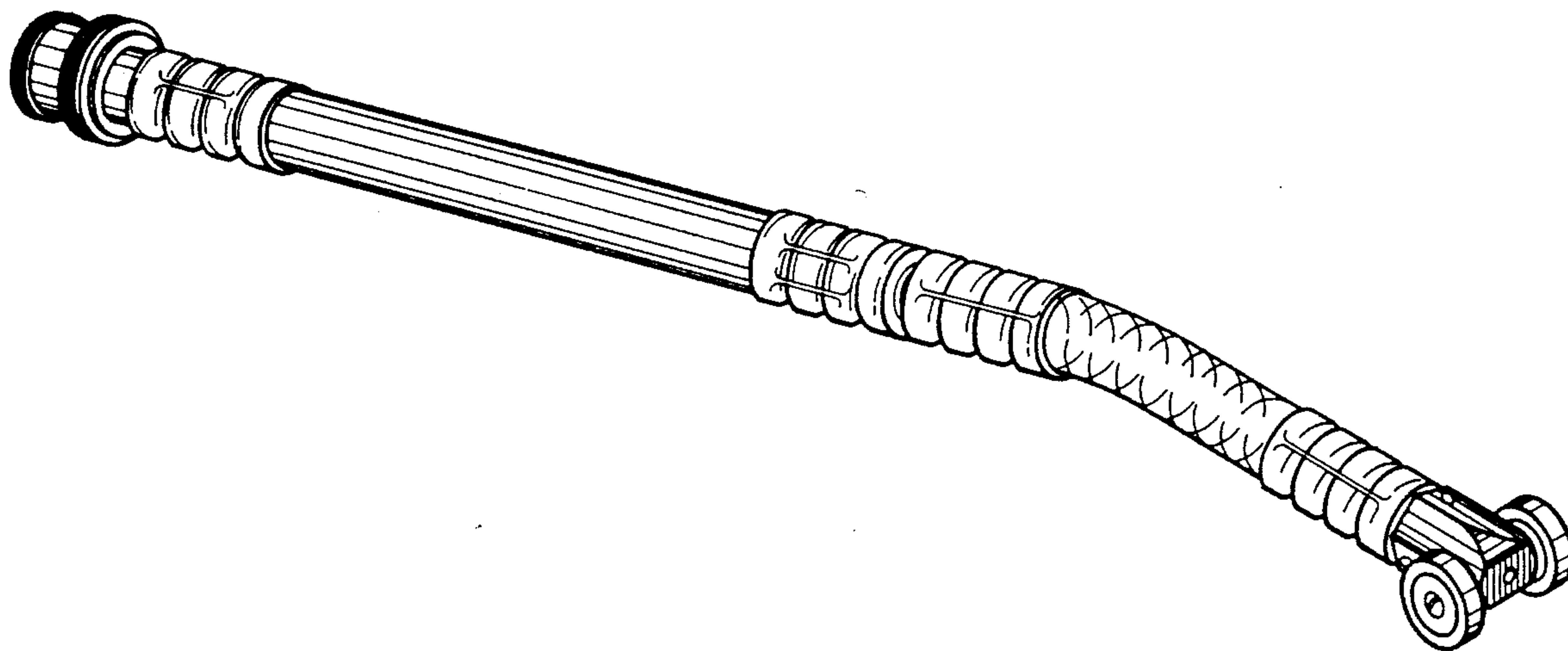
DESCRIPTION

[56] **References Cited**

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D. 315,621	3/1991	Layman et al.	D32/14
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FIG. 1 is a side perspective view of a pipe cleaning apparatus showing my new design;
FIG. 2 is a side elevational view taken from the right of FIG. 3;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a side elevational view taken from the left of FIG. 3;
FIG. 6 is a bottom view of FIG. 3;
FIG. 7 is a top view of FIG. 3; and,
FIG. 8 is a side elevational view thereof.



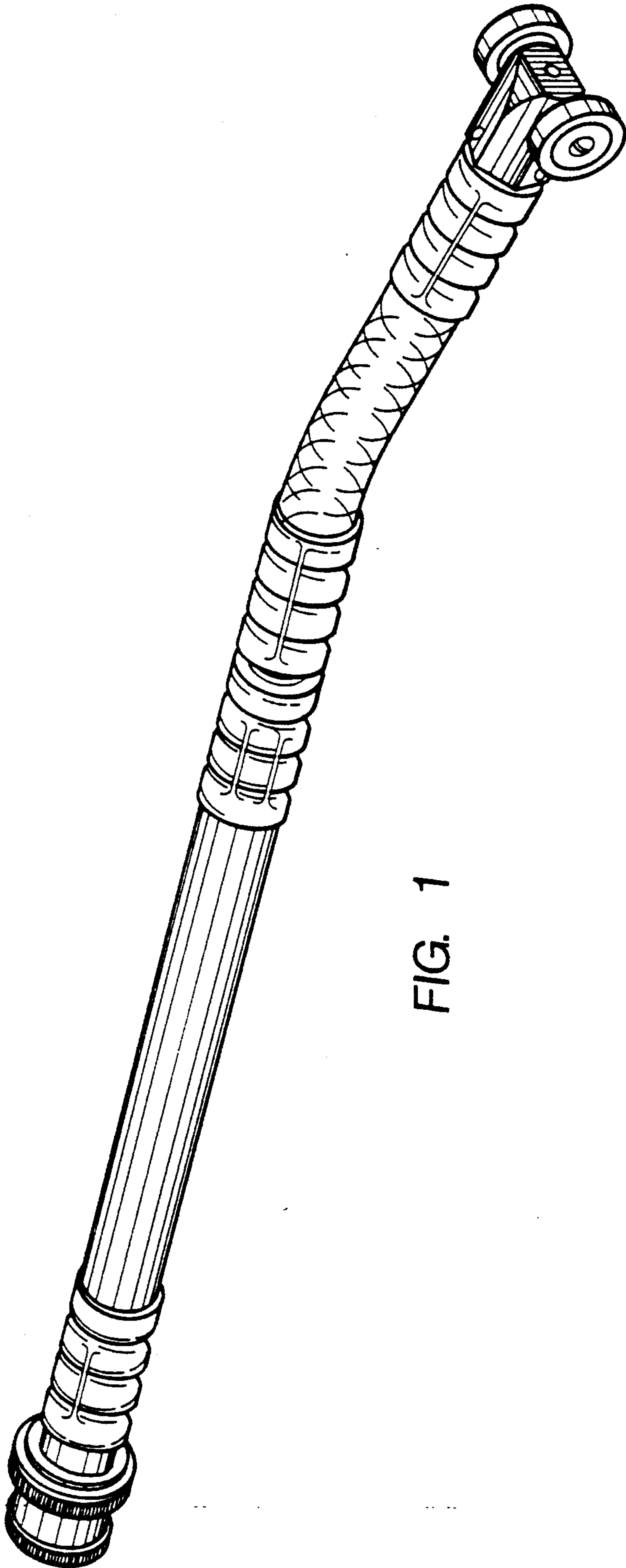


FIG. 1

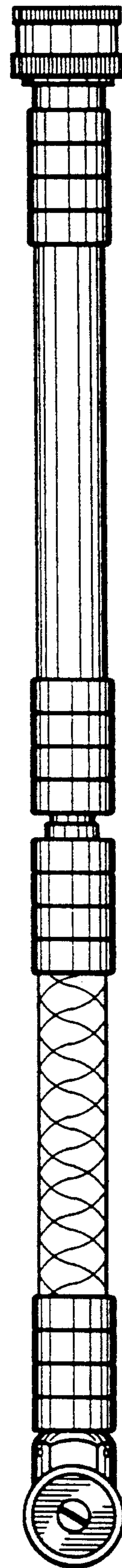


FIG. 8

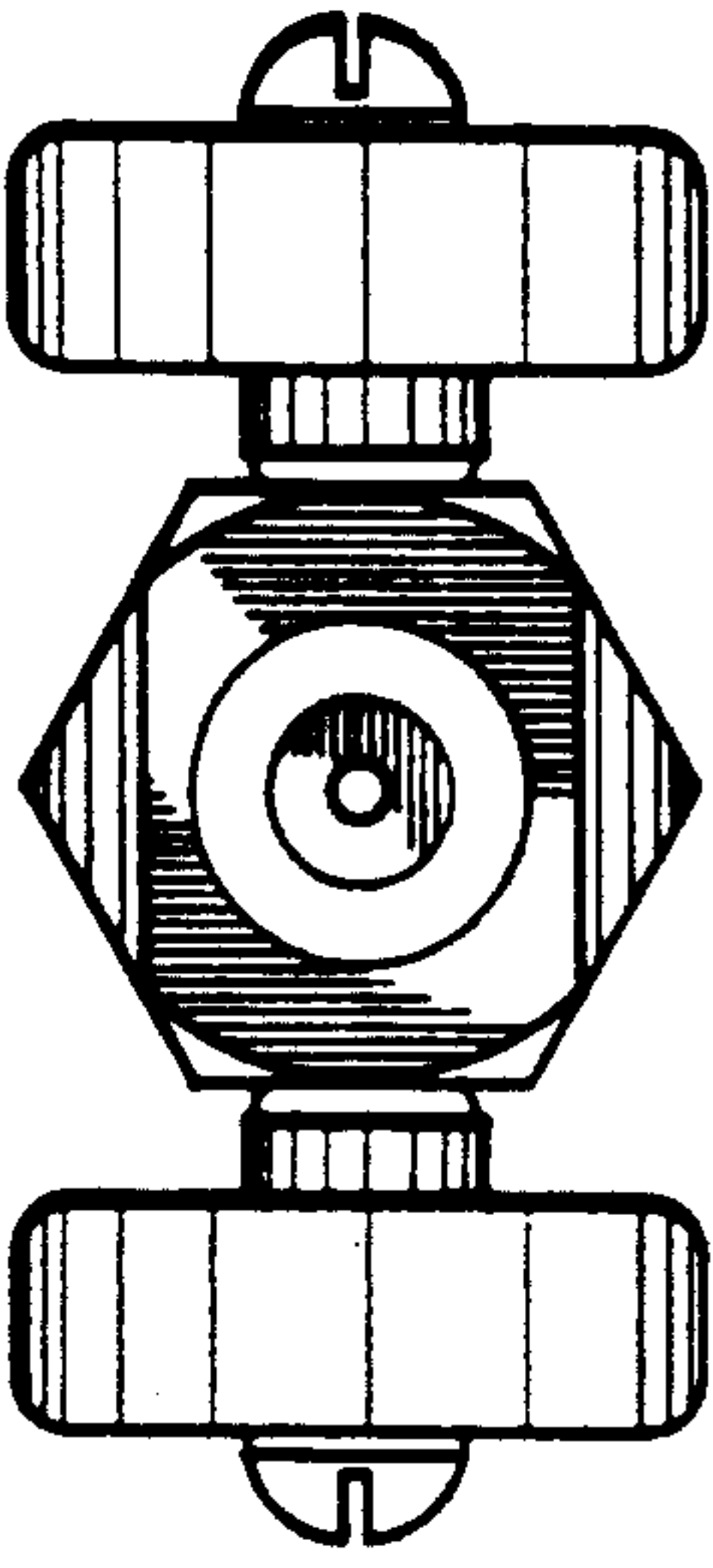


FIG. 4

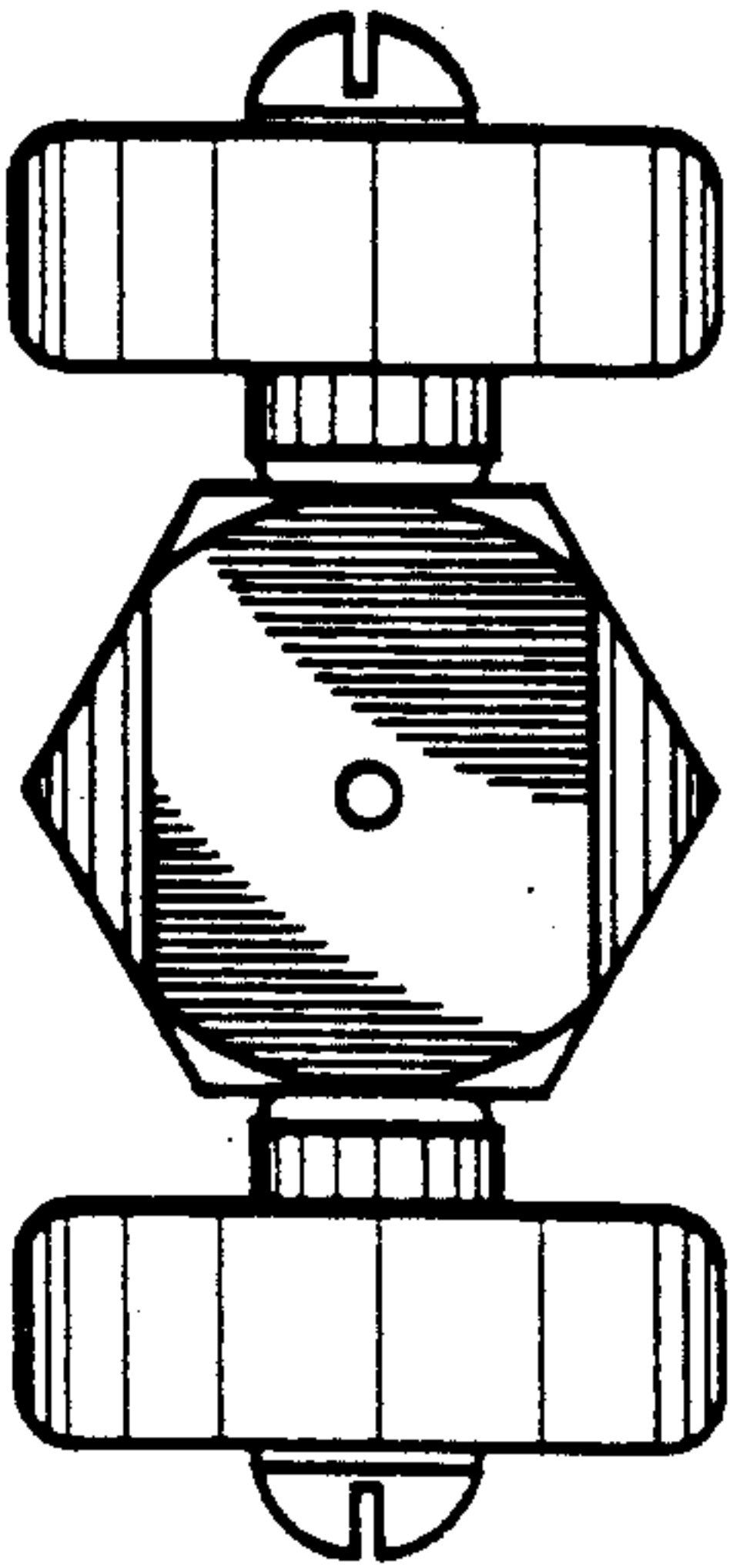


FIG. 3

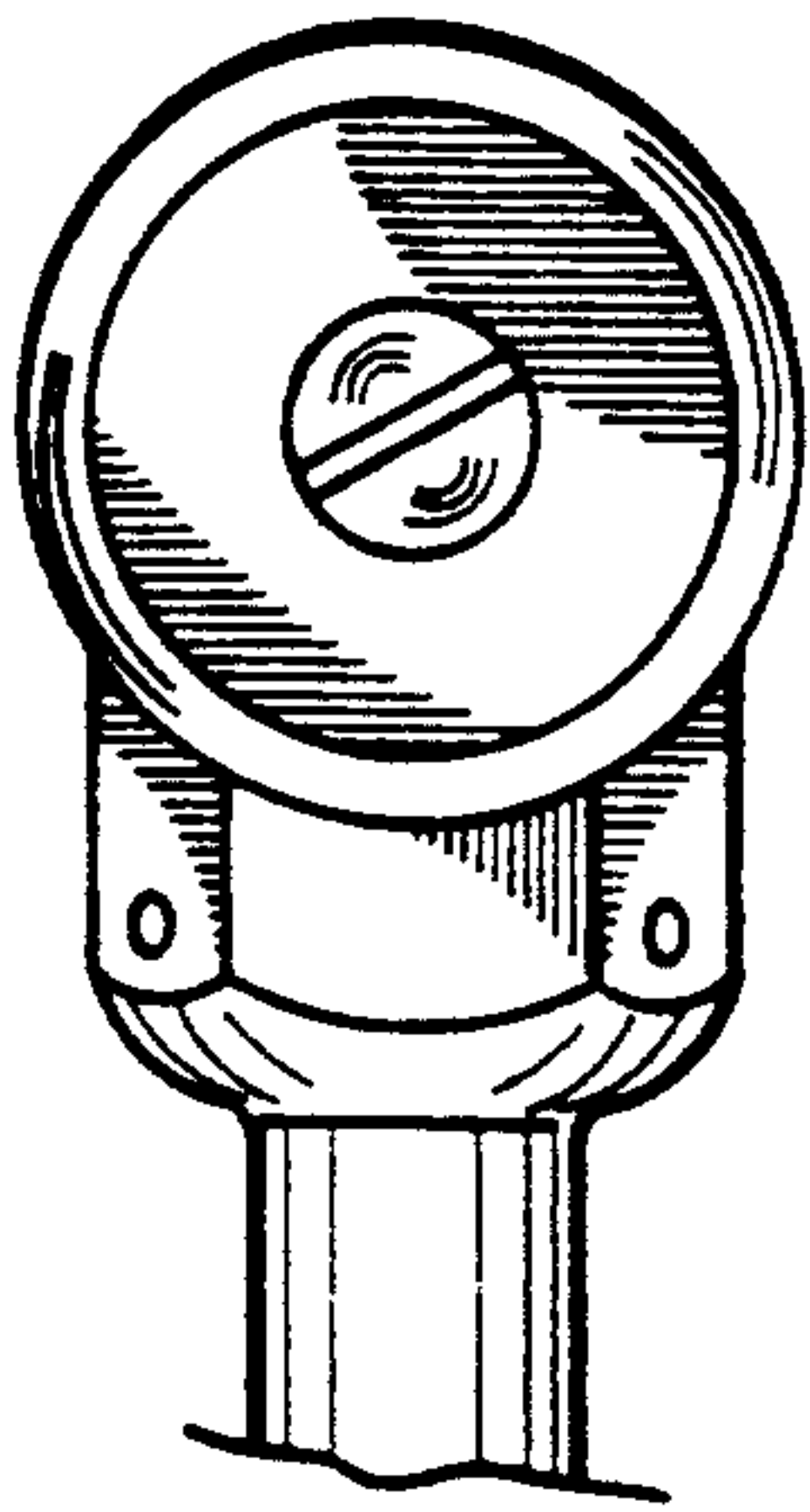


FIG. 2

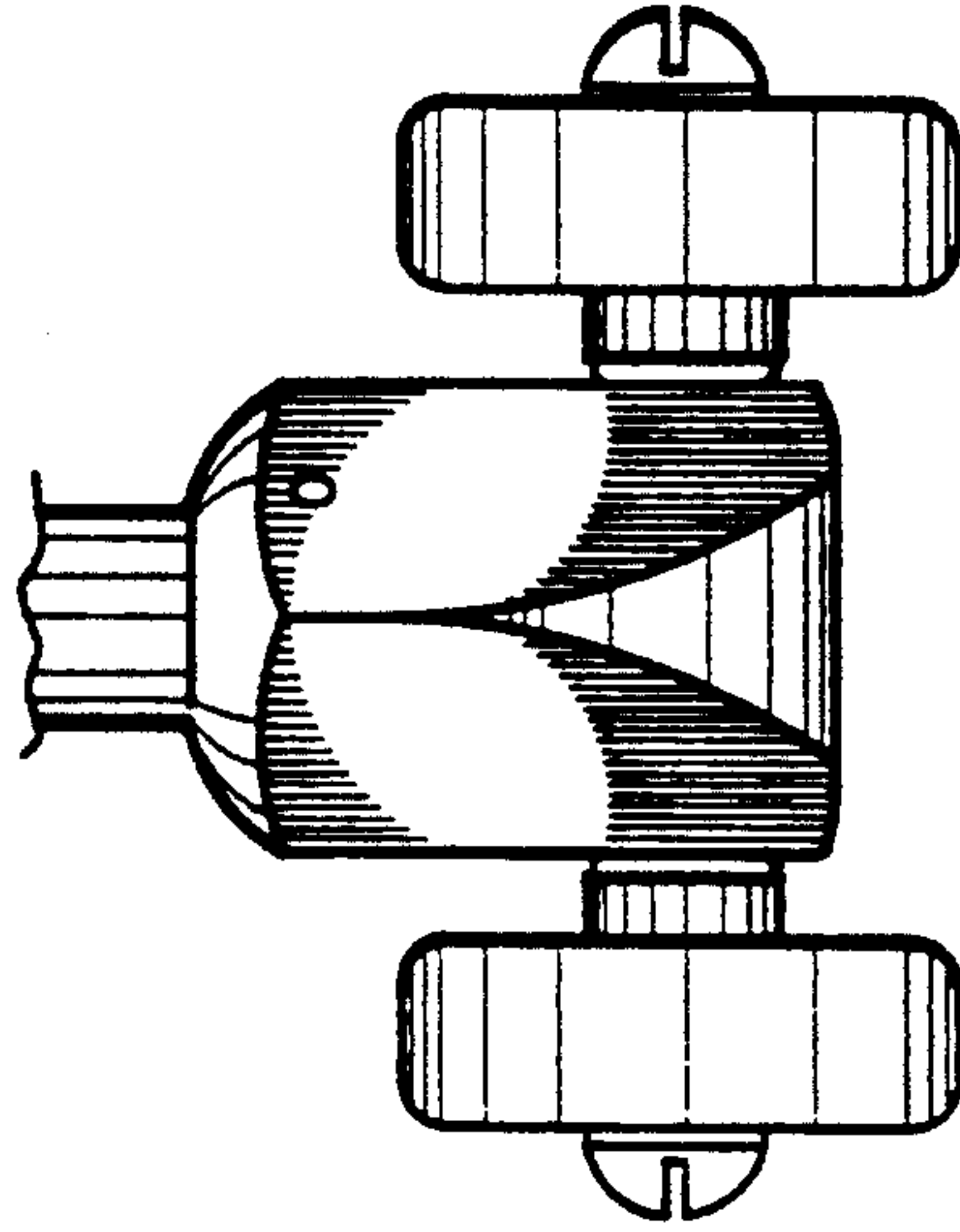


FIG. 7

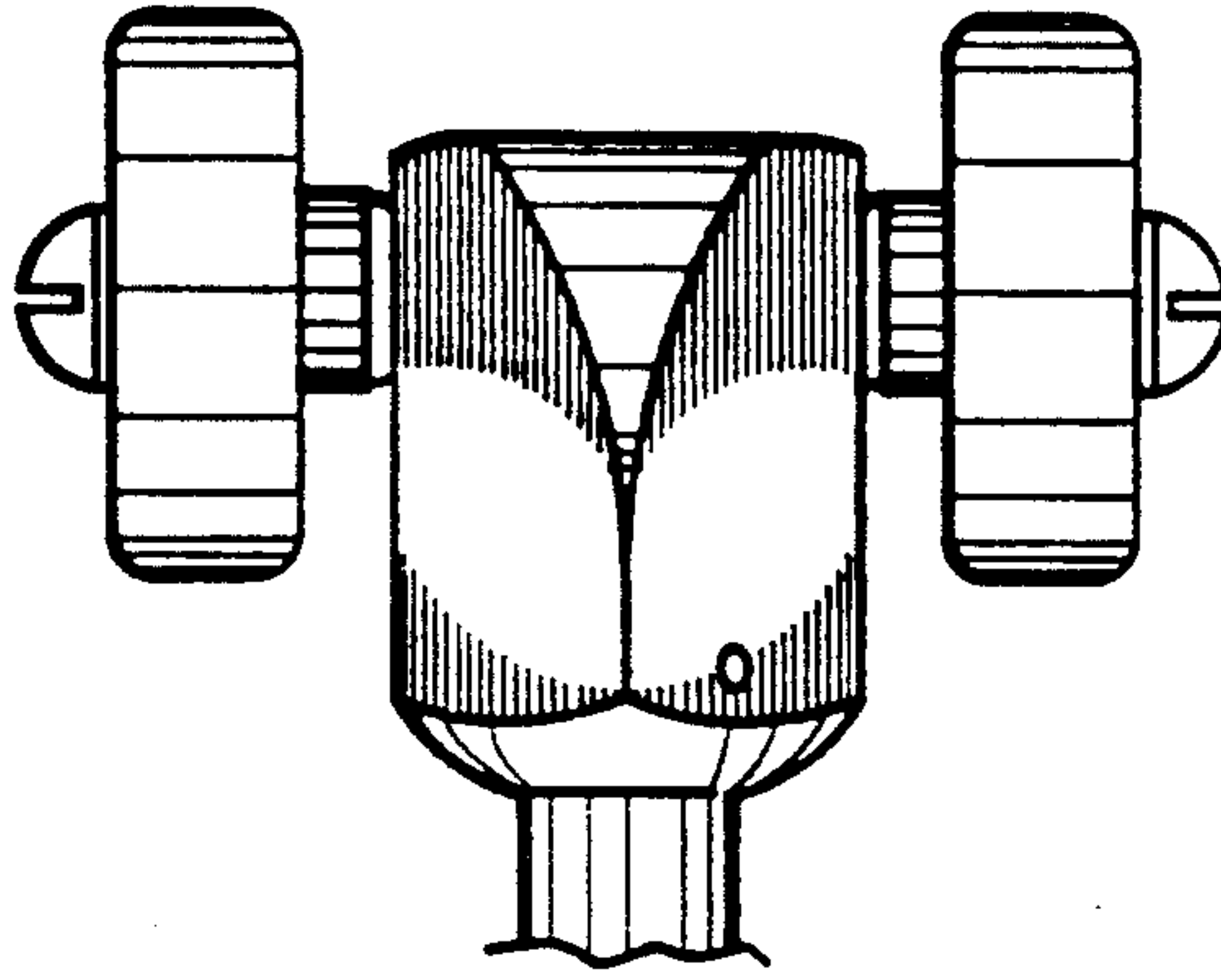


FIG. 6

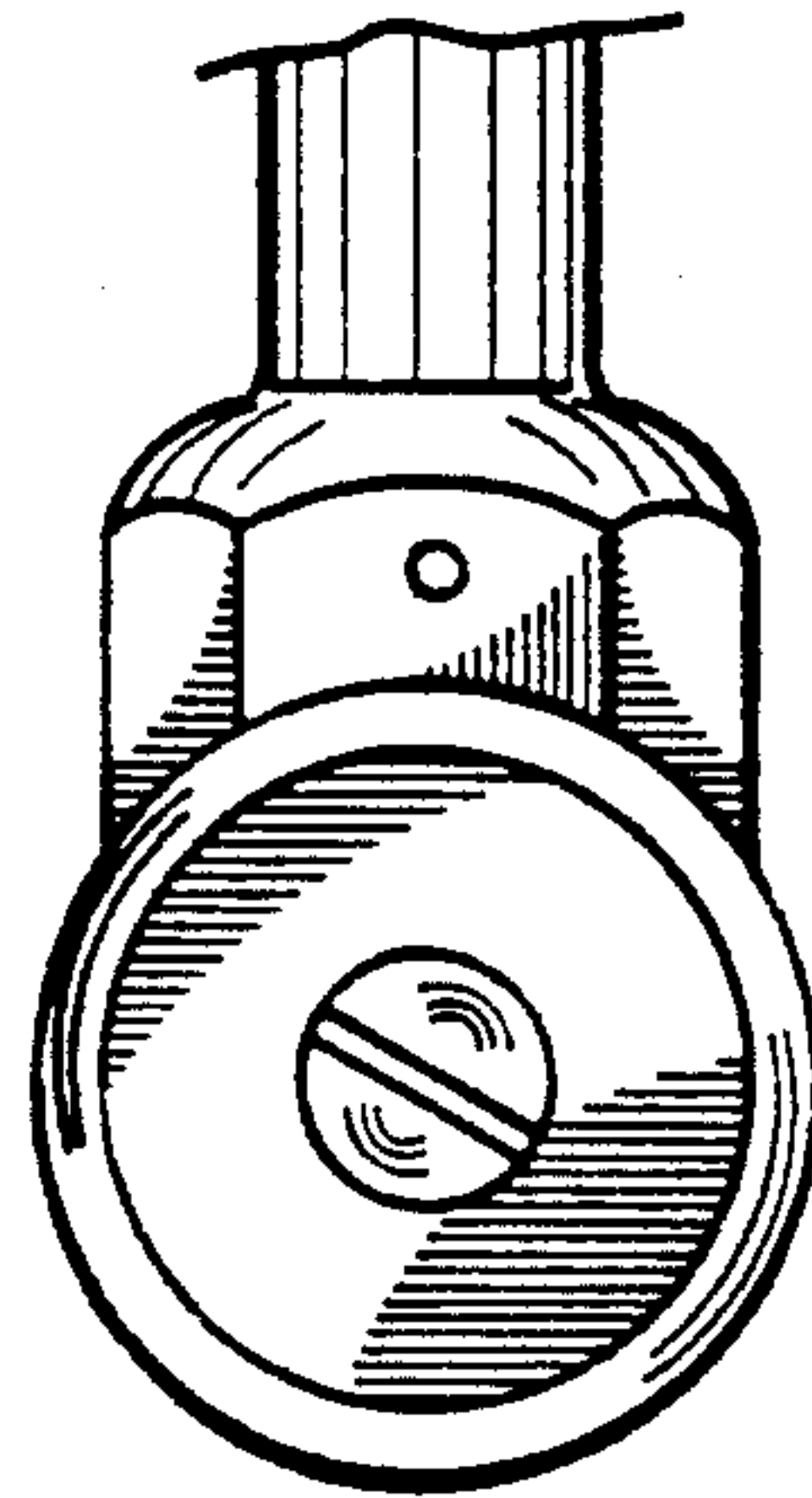


FIG. 5