



US00D424024S

United States Patent [19]

[11] **Patent Number: Des. 424,024**

Hanagata et al.

[45] **Date of Patent: ** May 2, 2000**

[54] **QUARTZ PROCESS TUBE**

5,458,685	10/1995	Hasebe et al.	118/725
5,520,742	5/1996	Ohkase	118/725
5,536,918	7/1996	Ohkase et al.	118/725

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[73] Assignee: **Tokyo Electron Limited**, Tokyo-To, Japan

[57] **CLAIM**

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

The ornamental design for a quartz process tube, as shown.

[21] Appl. No.: **29/074,296**

DESCRIPTION

[22] Filed: **Jul. 24, 1997**

FIG. 1 a perspective view of a quartz process tube.
 FIG. 2 a front elevational view thereof.
 FIG. 3 a top plan view thereof.
 FIG. 4 a bottom plan view thereof.
 FIG. 5 a cross sectional view thereof taken along line 5—5 in FIG. 2.
 FIG. 6 a left side view thereof.
 FIG. 7 a rear elevational view thereof.
 FIG. 8 a right side view thereof; and,
 FIG. 9 a cross sectional view thereof taken along line 9—9 in FIG. 3.

[30] **Foreign Application Priority Data**

Jan. 31, 1997 [JP] Japan 9-2641

[51] **LOC (7) Cl.** **13-03**

[52] **U.S. Cl.** **D13/182**

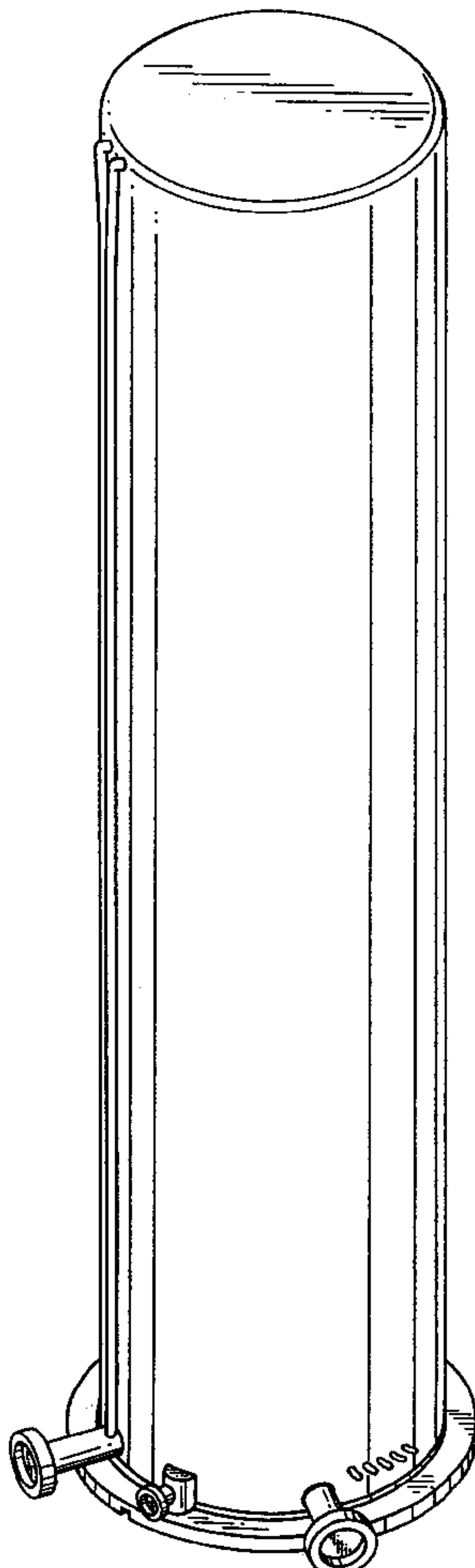
[58] **Field of Search** D13/182; D15/144,
D15/144.1, 199; 392/416, 418; 118/724,
725, 500

[56] **References Cited**

U.S. PATENT DOCUMENTS

5,303,671 4/1994 Fondo et al. 118/725

1 Claim, 4 Drawing Sheets



F I G . 1

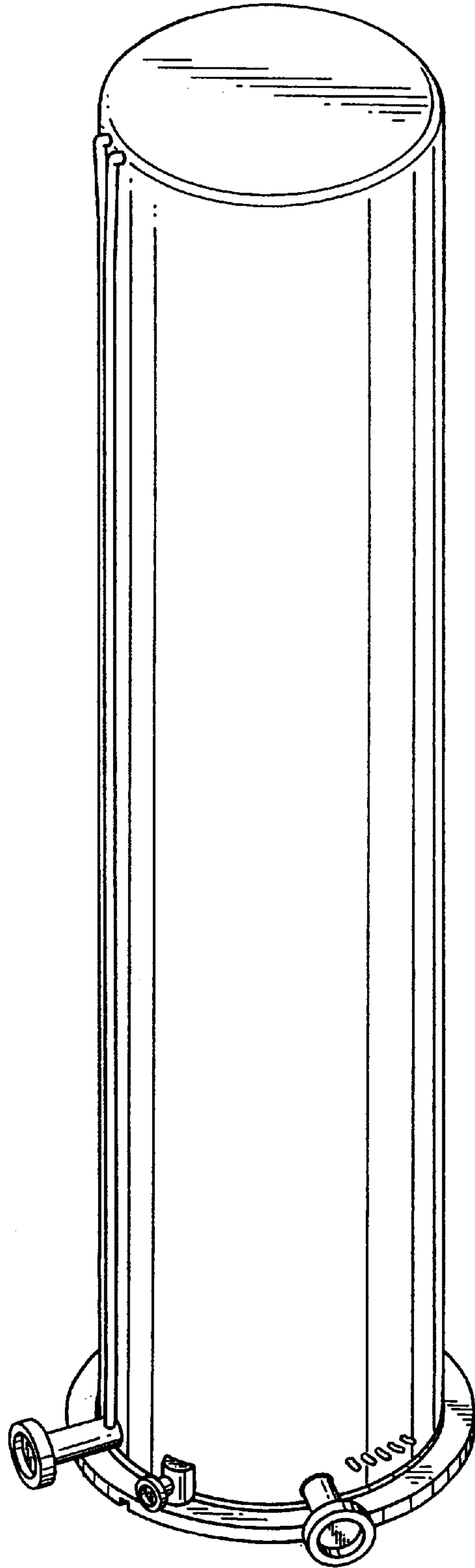


FIG. 2

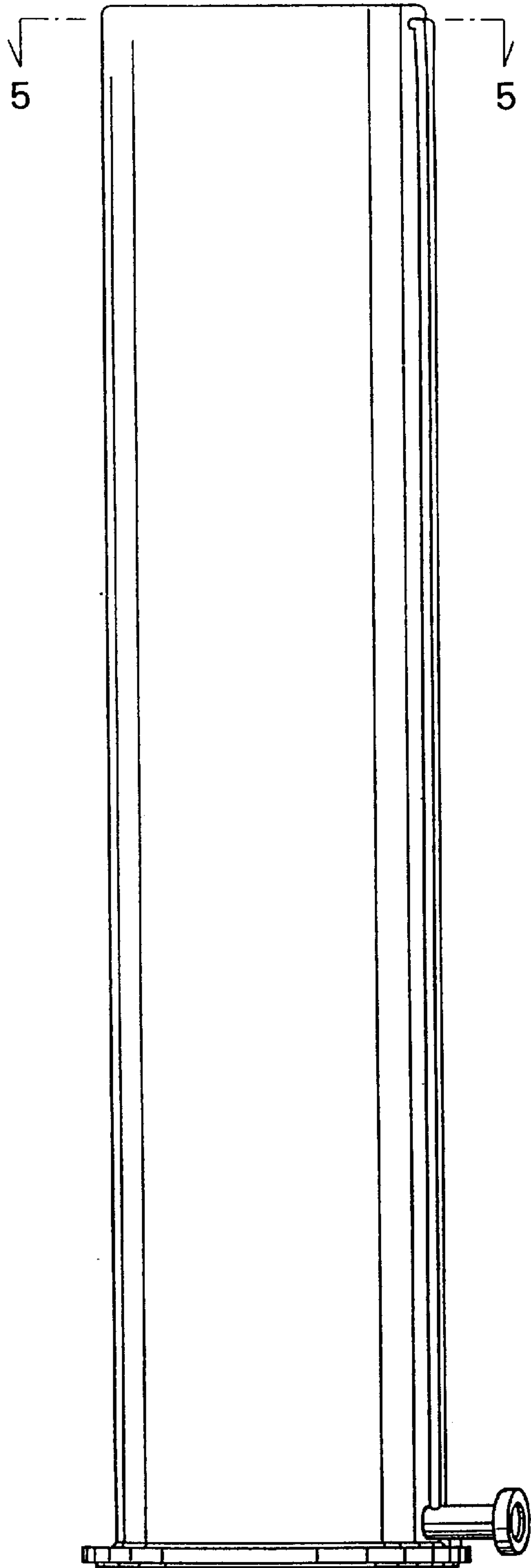


FIG. 3

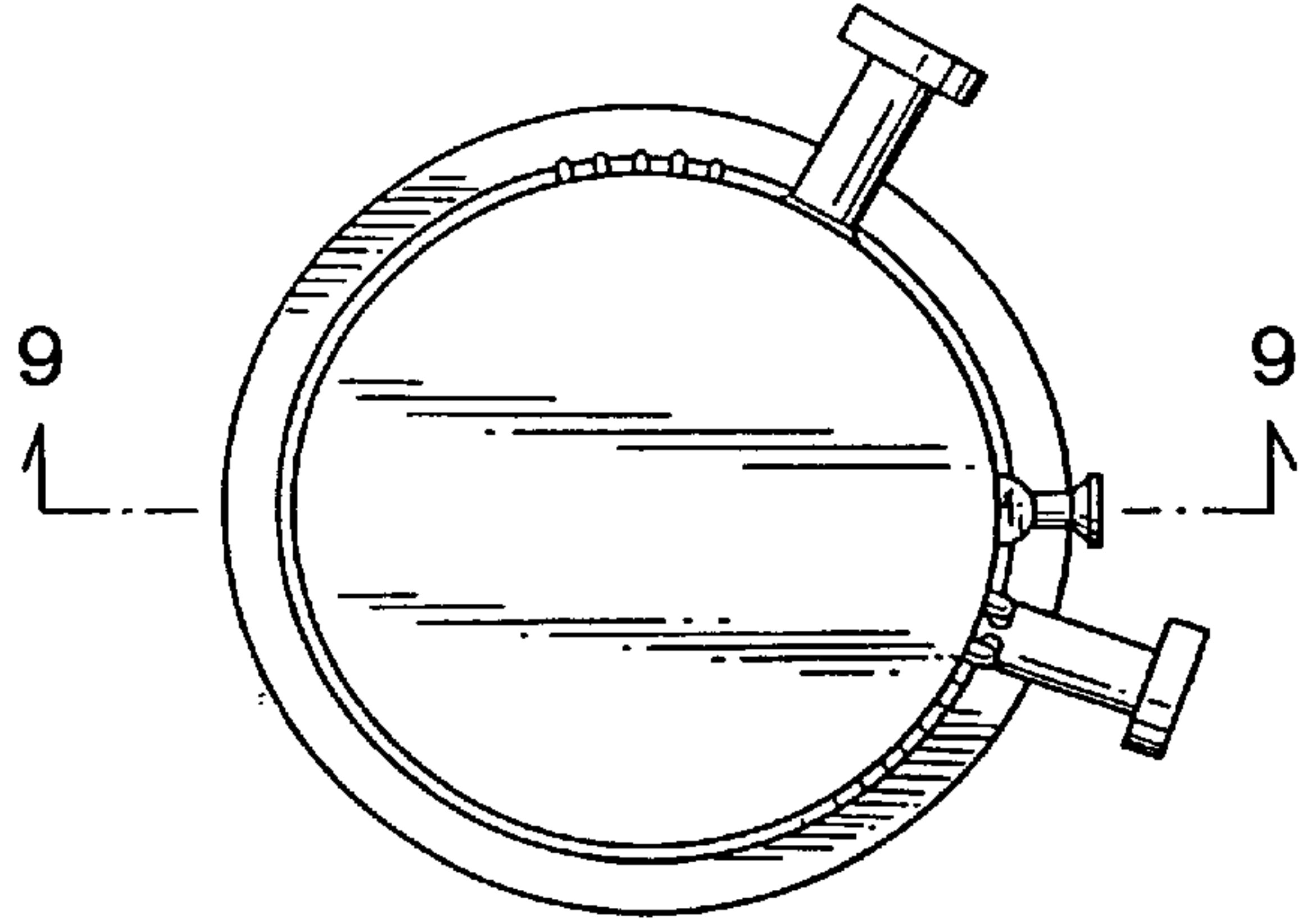


FIG. 4

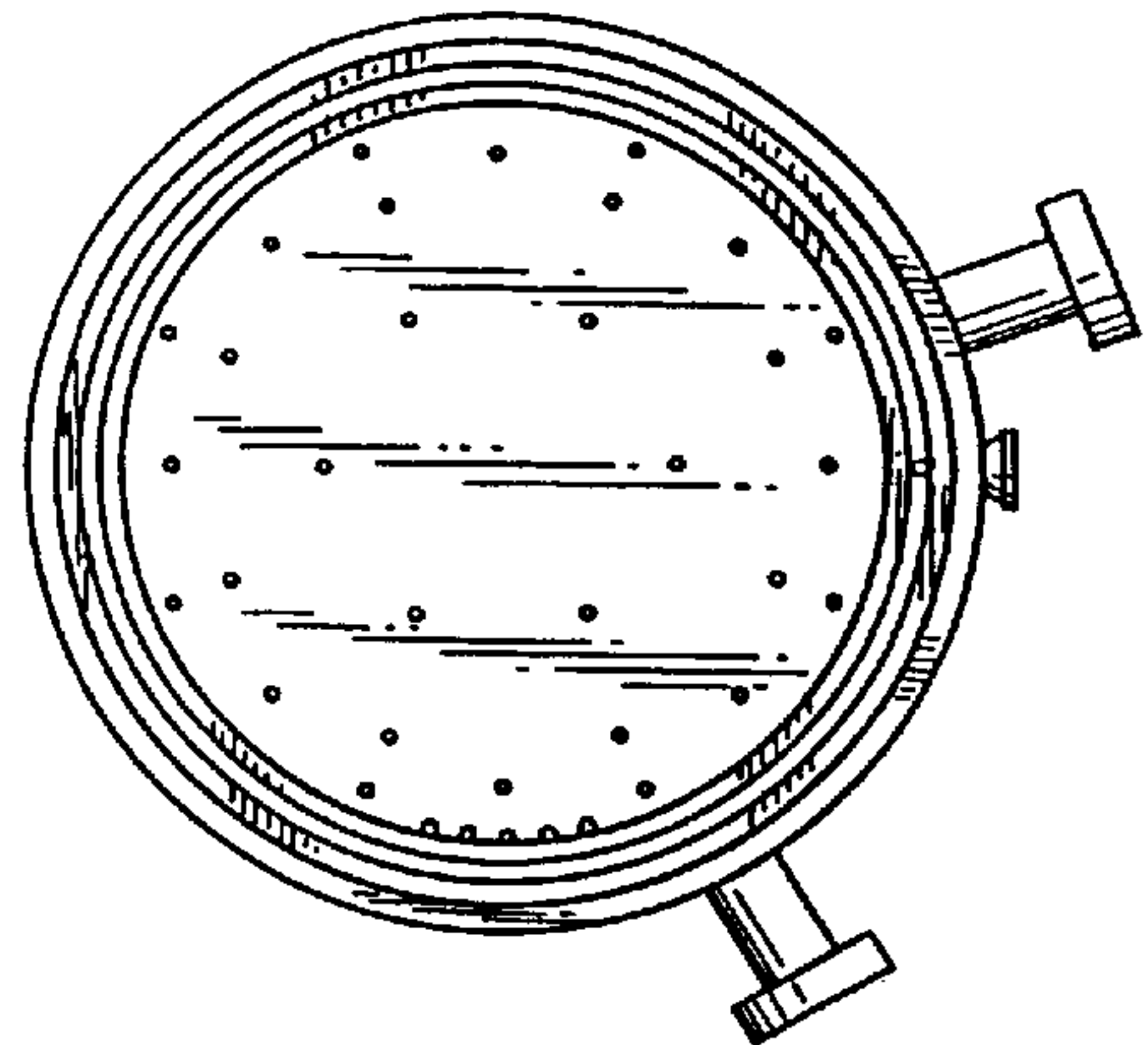


FIG. 5

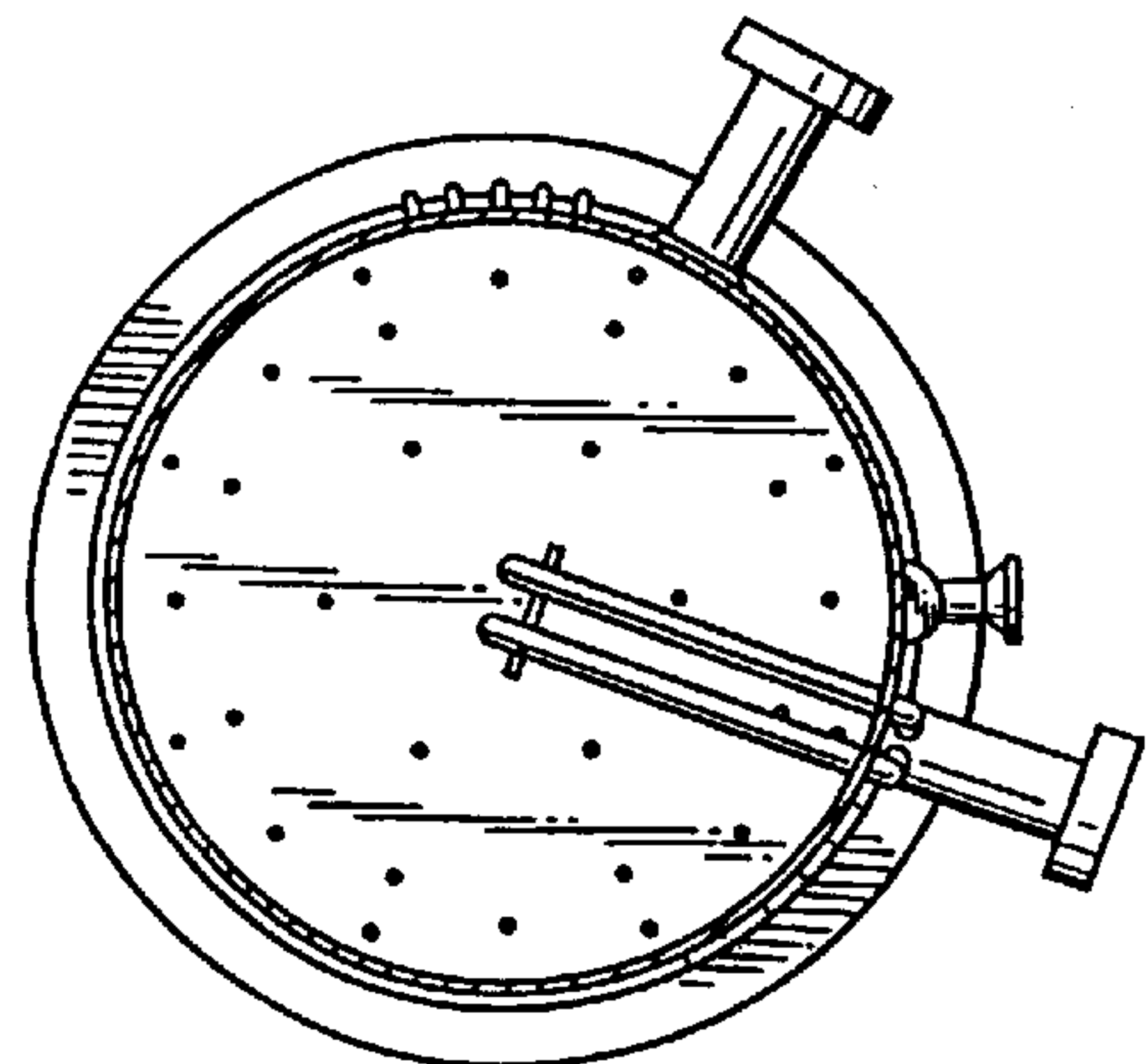


FIG. 6

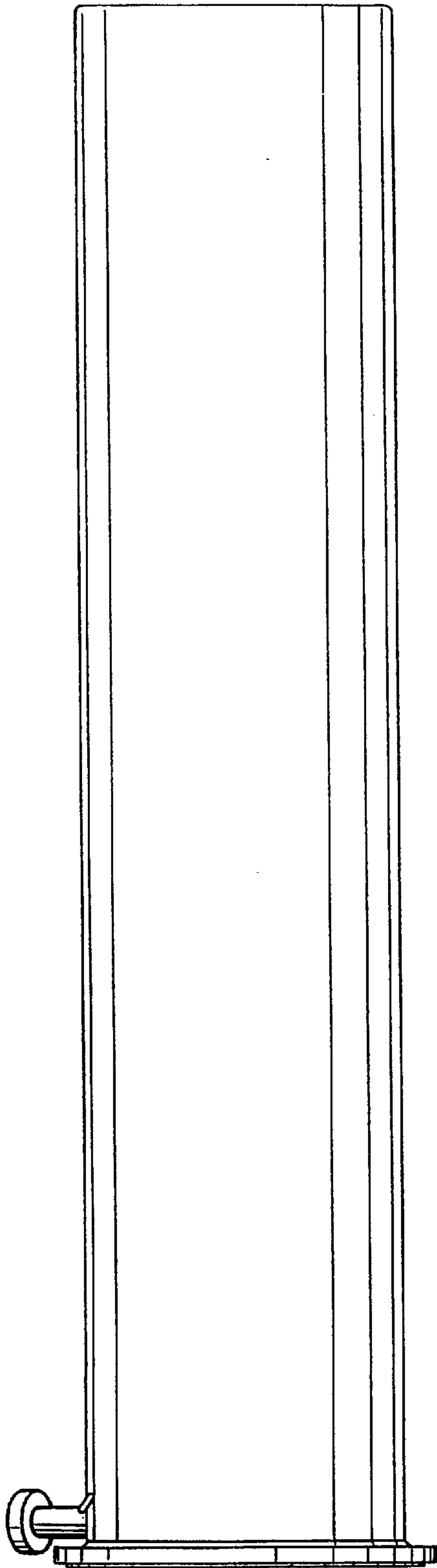


FIG. 7

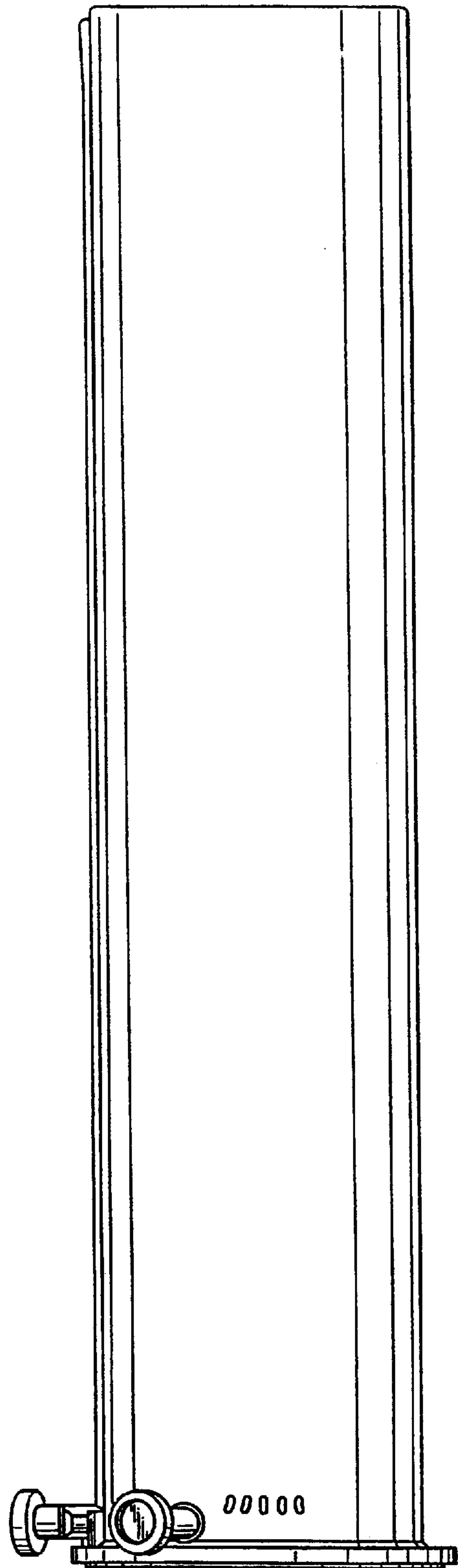


FIG. 8

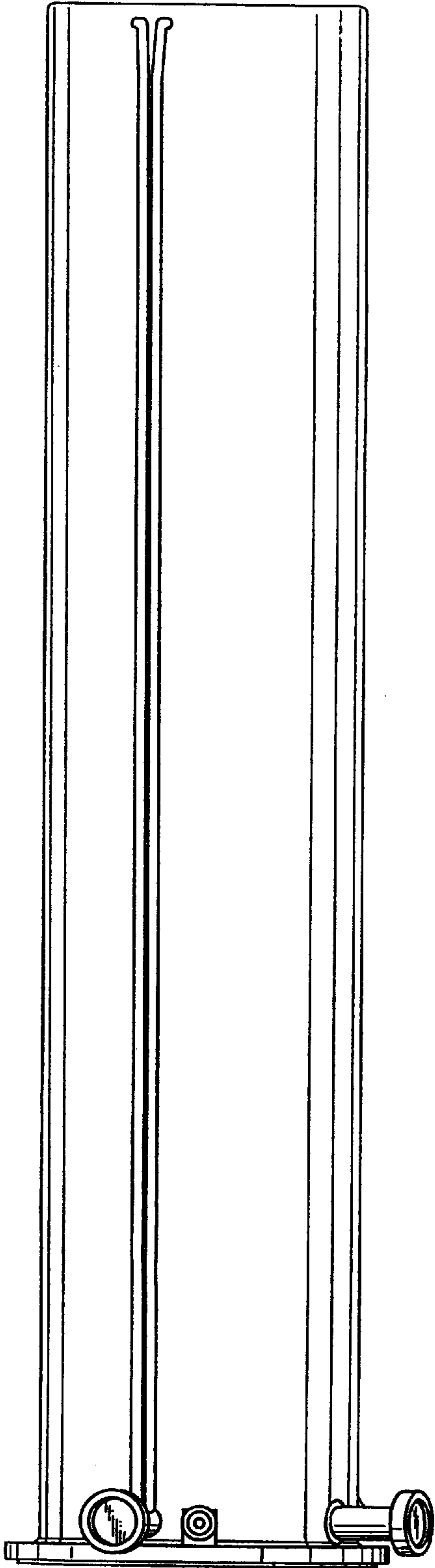


FIG. 9

