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# United States Patent [19]

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Cheung et al.

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[54] **ROBOTIC SHOULDER**

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[73] Assignee: **Barrett Technology, Inc.**, Cambridge, Mass.

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

[21] Appl. No.: **10,562**

[22] Filed: **Jul. 9, 1993**

[52] U.S. Cl. .... **D15/199**

[58] Field of Search ..... 212/230; 294/19.1, 104; 414/4, 718, 728, 737, 752, 753; 901/23, 25, 28, 31; D15/199

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[57] **CLAIM**

The ornamental design for the robotic shoulder, shown and described.

**DESCRIPTION**

FIG. 1 is a side elevational view of the left and the right sides of the robotic shoulder according to this invention;

FIG. 2 is an elevational view of the front and back views of the robotic shoulder according to this invention;

FIG. 3 is a top plan view of the robotic shoulder of FIG. 2;

FIG. 4 is a bottom plan view of the robotic shoulder of FIG. 2;

FIG. 5 is a perspective view, with the robotic shoulder shown in a minus 20 degree angle;

FIG. 6 is a perspective view, with the robotic shoulder shown in a plus 45 degree angle; and,

FIG. 7 is a perspective view, with the robotic shoulder shown in a plus 120 degree angle.

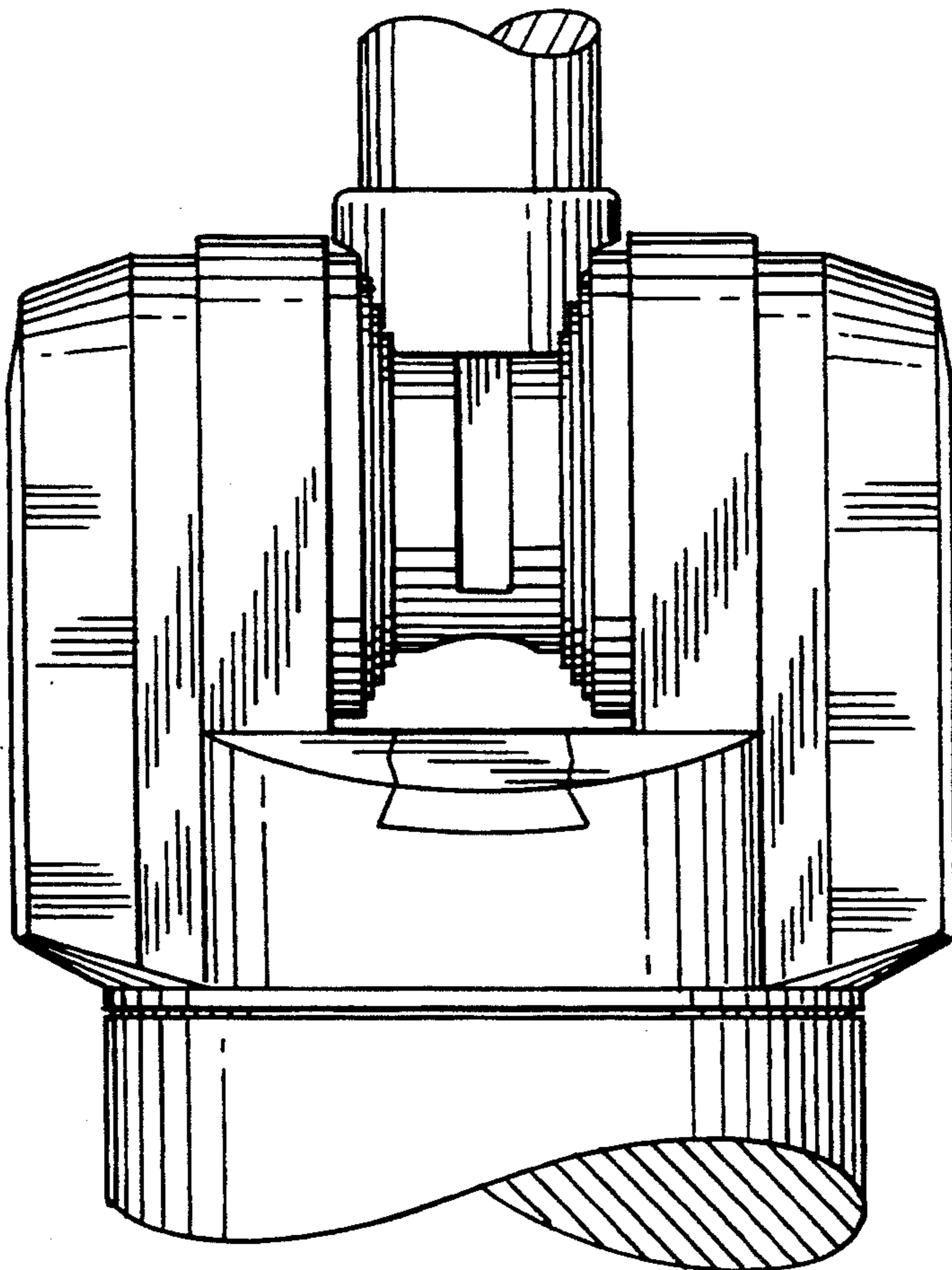


FIG. 3

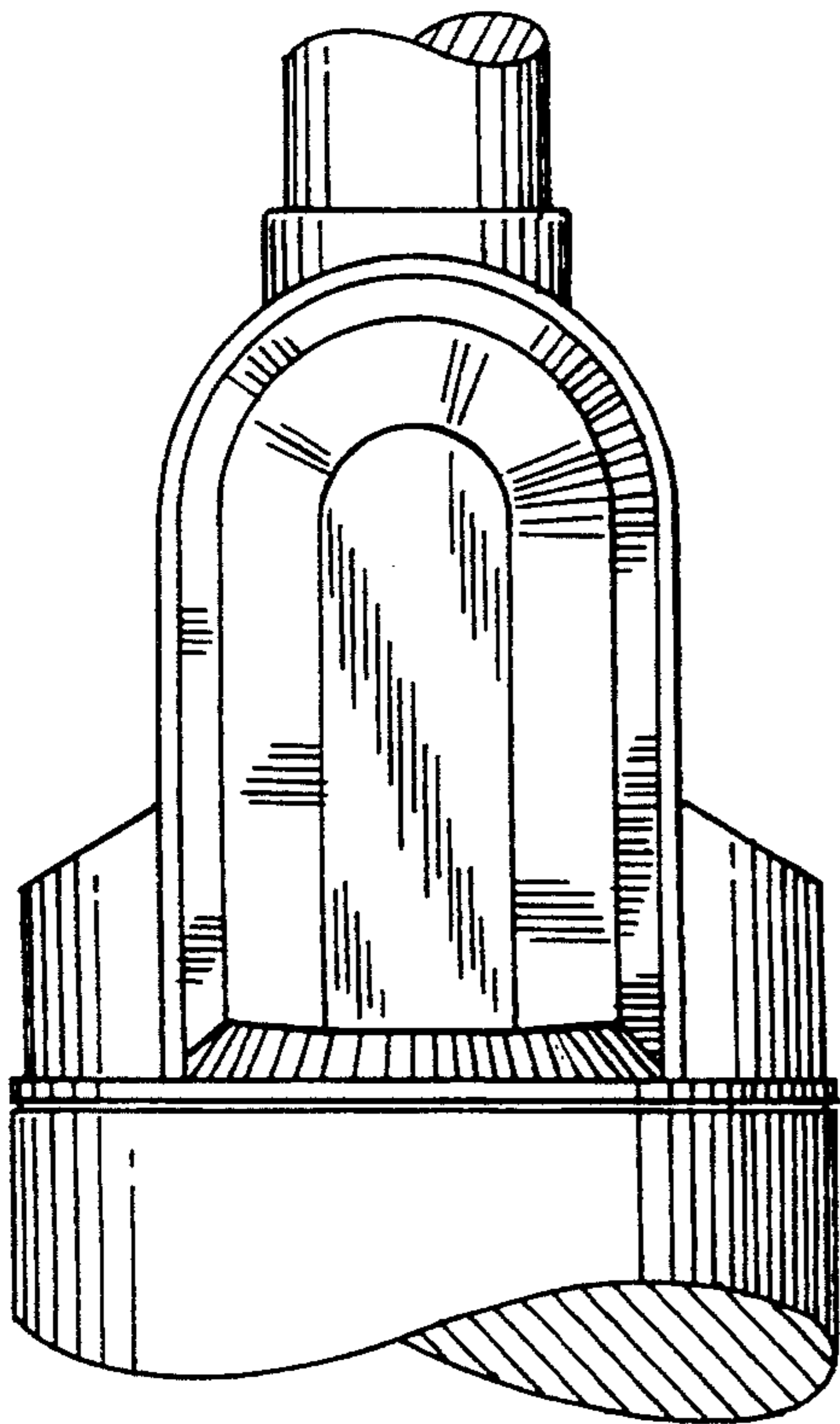
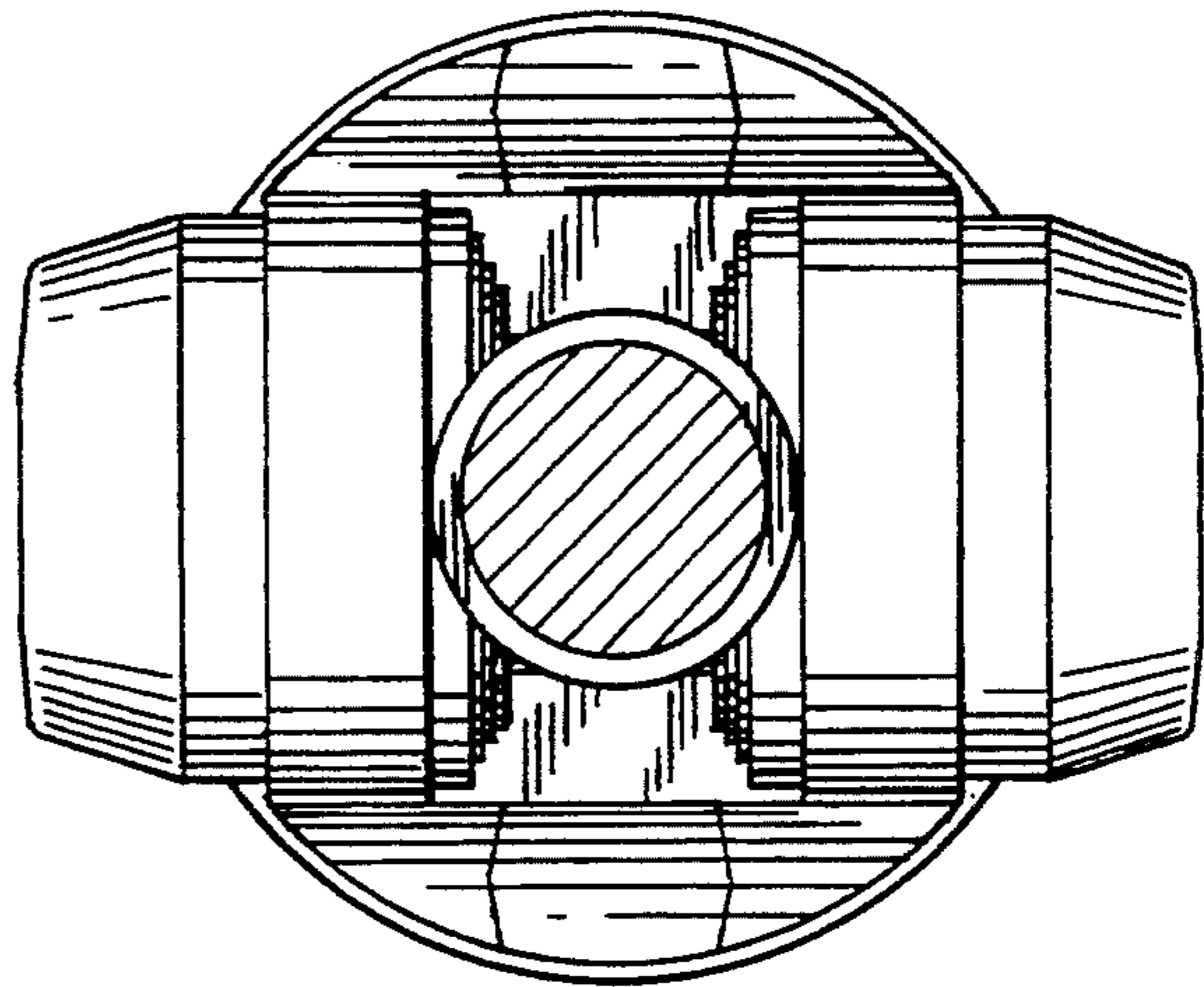


FIG. 1

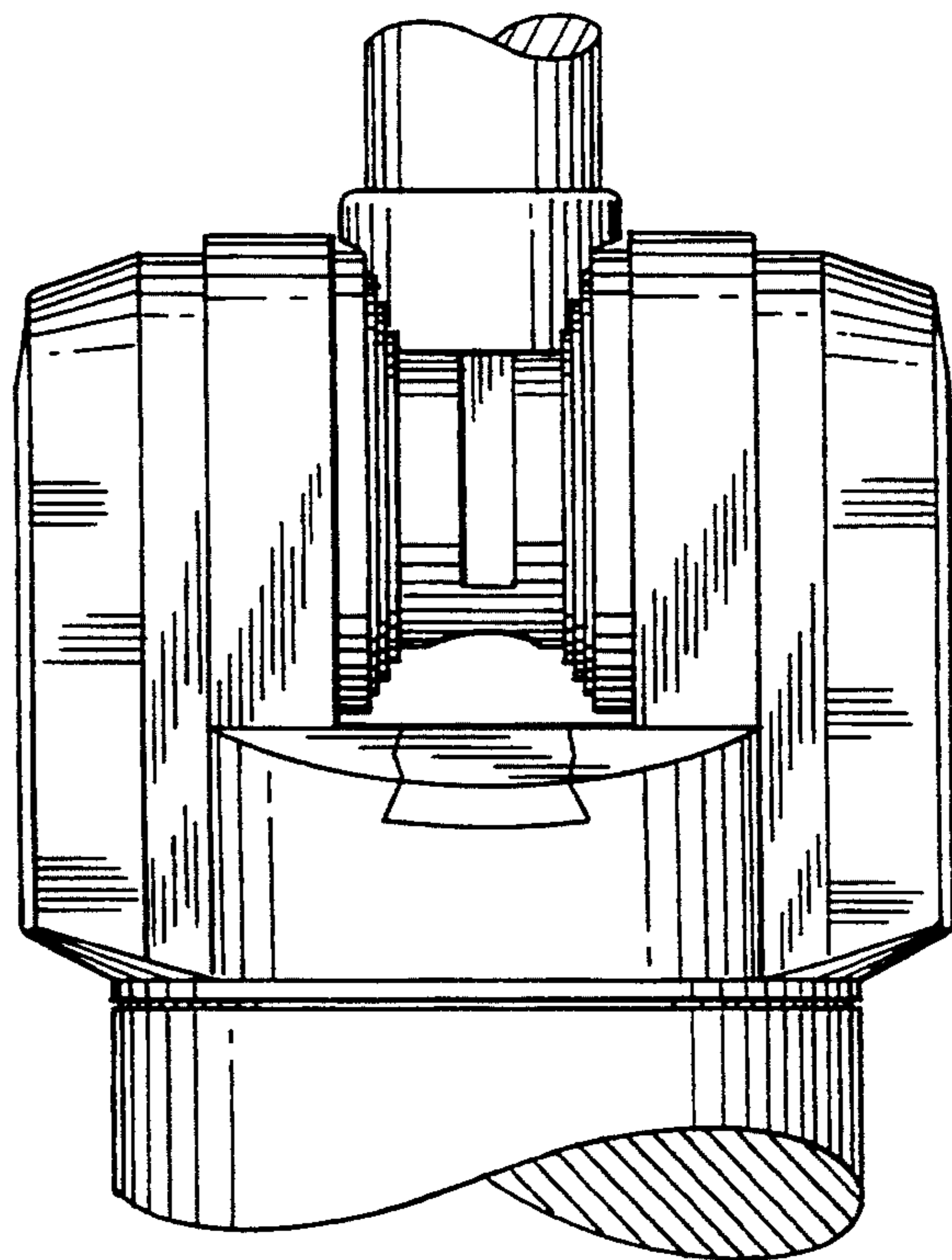
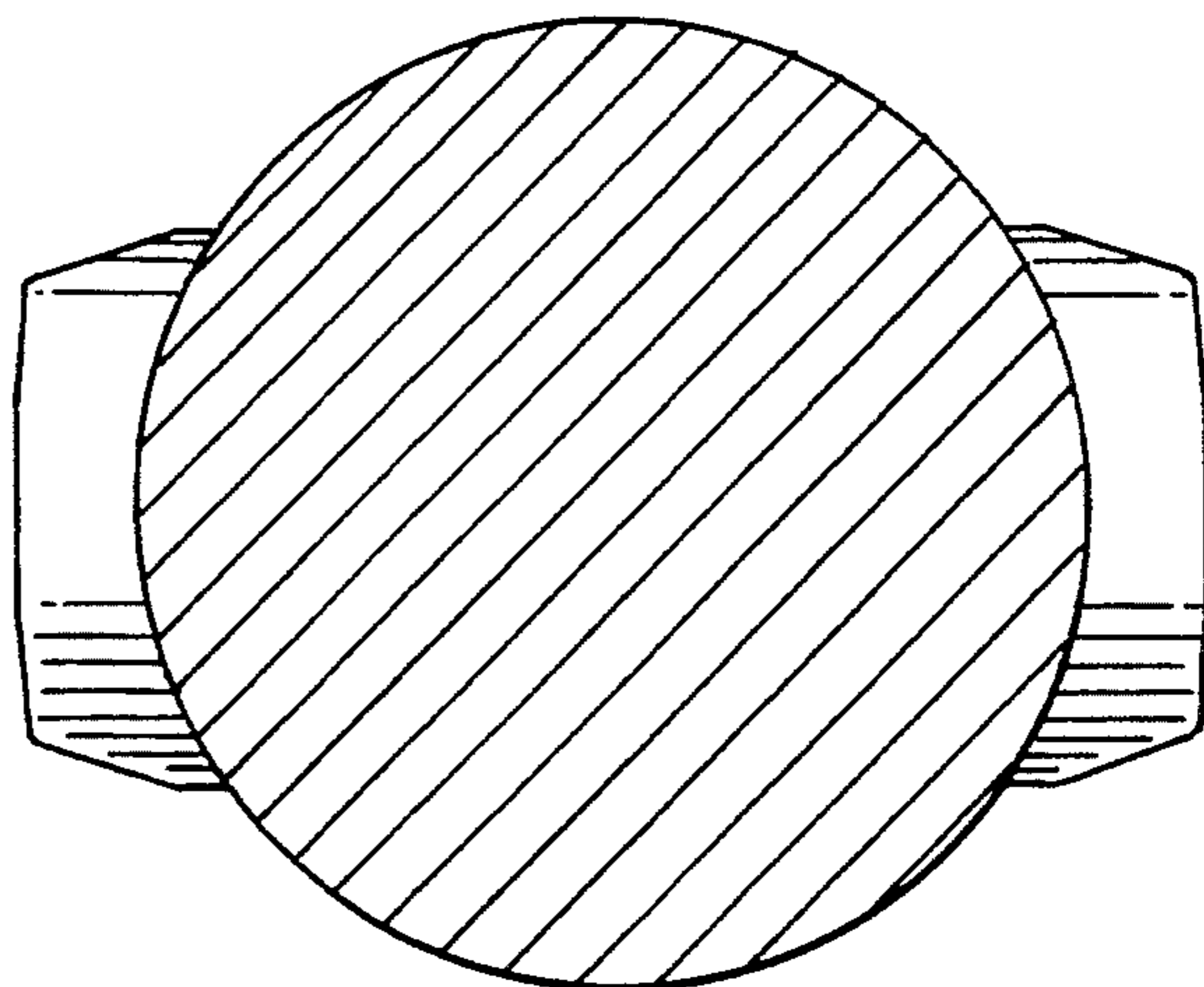


FIG. 2

FIG. 4



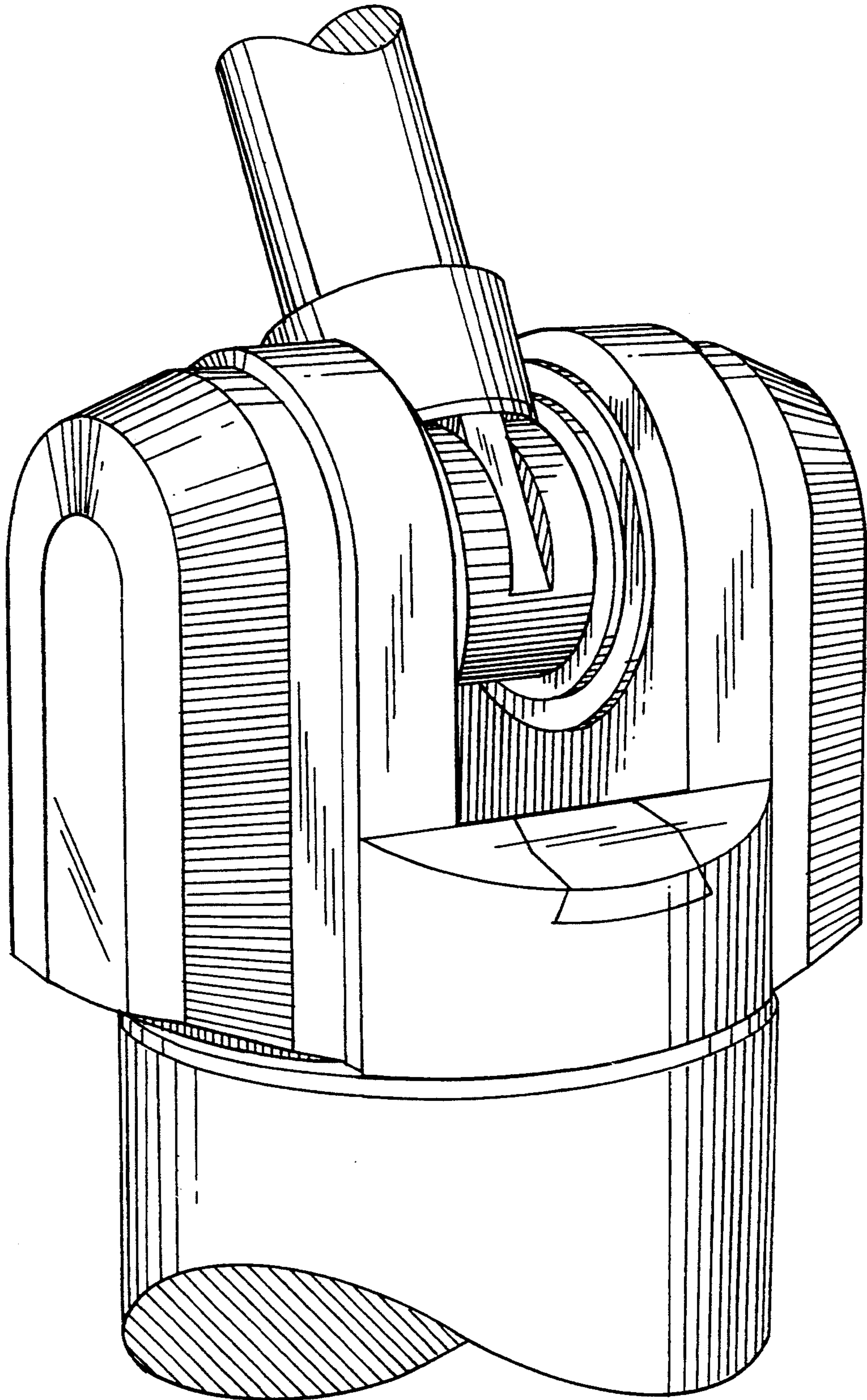


FIG. 5

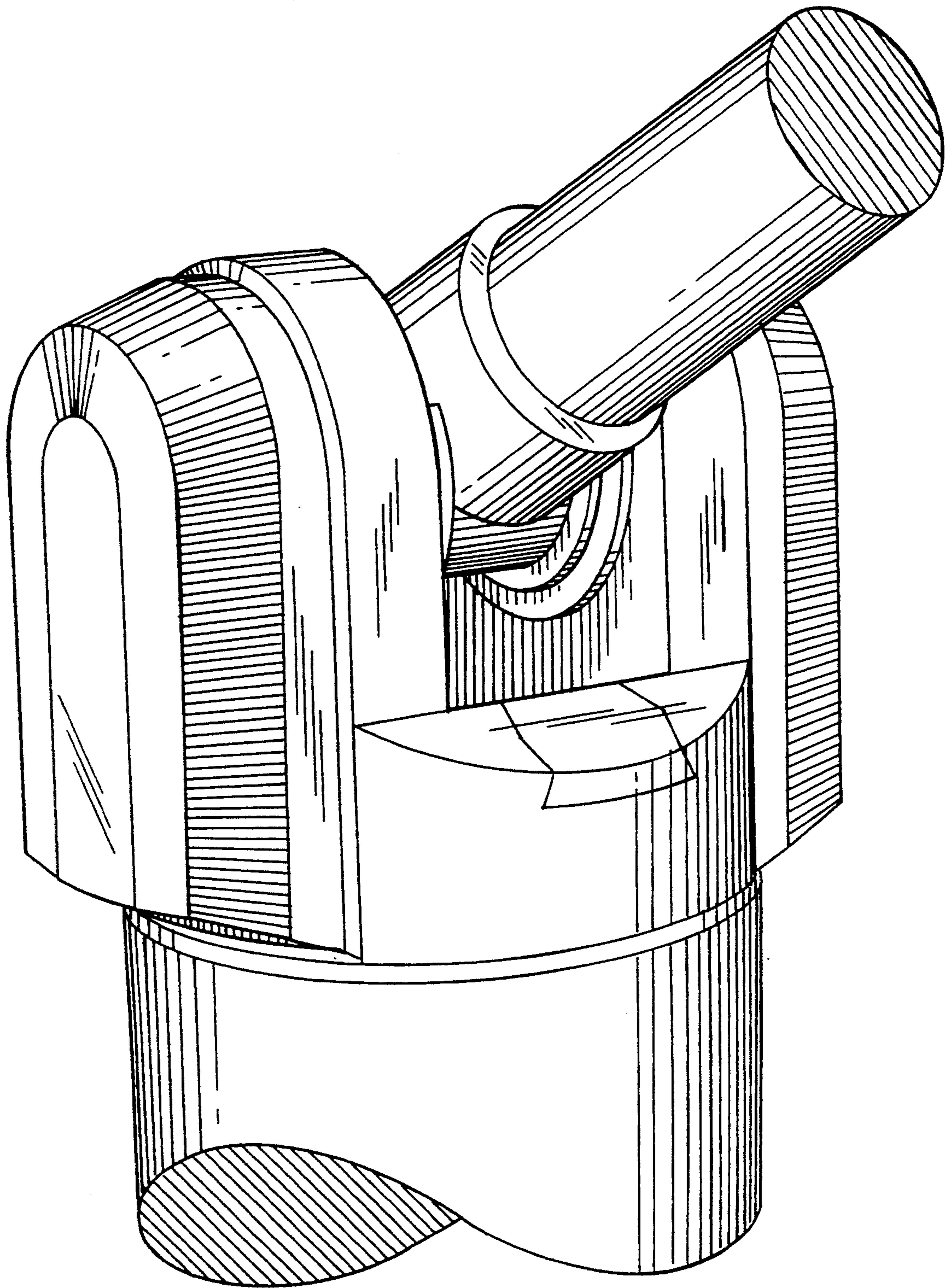


FIG. 6

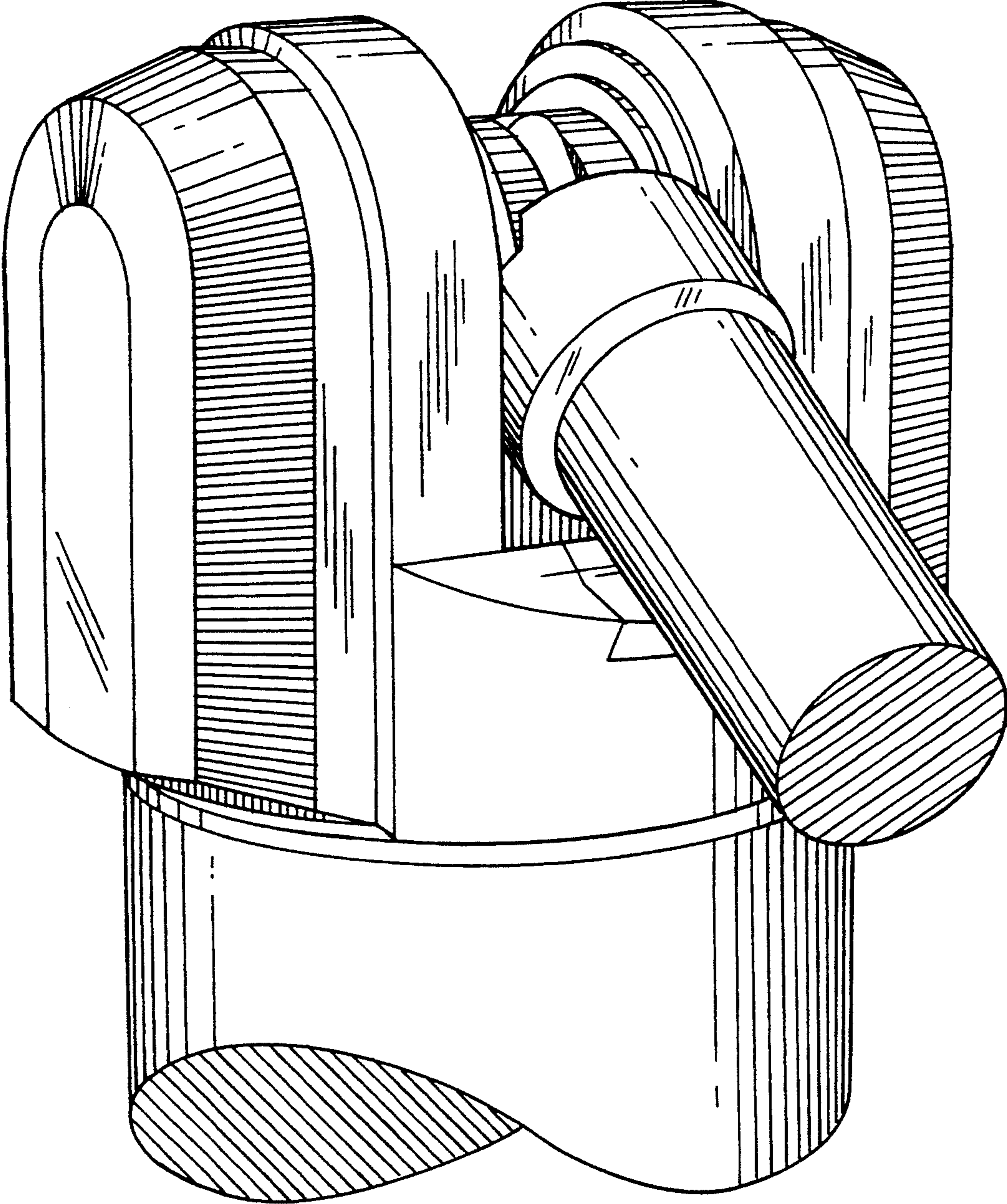


FIG. 7