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**United States Patent** [19]  
**Conn**

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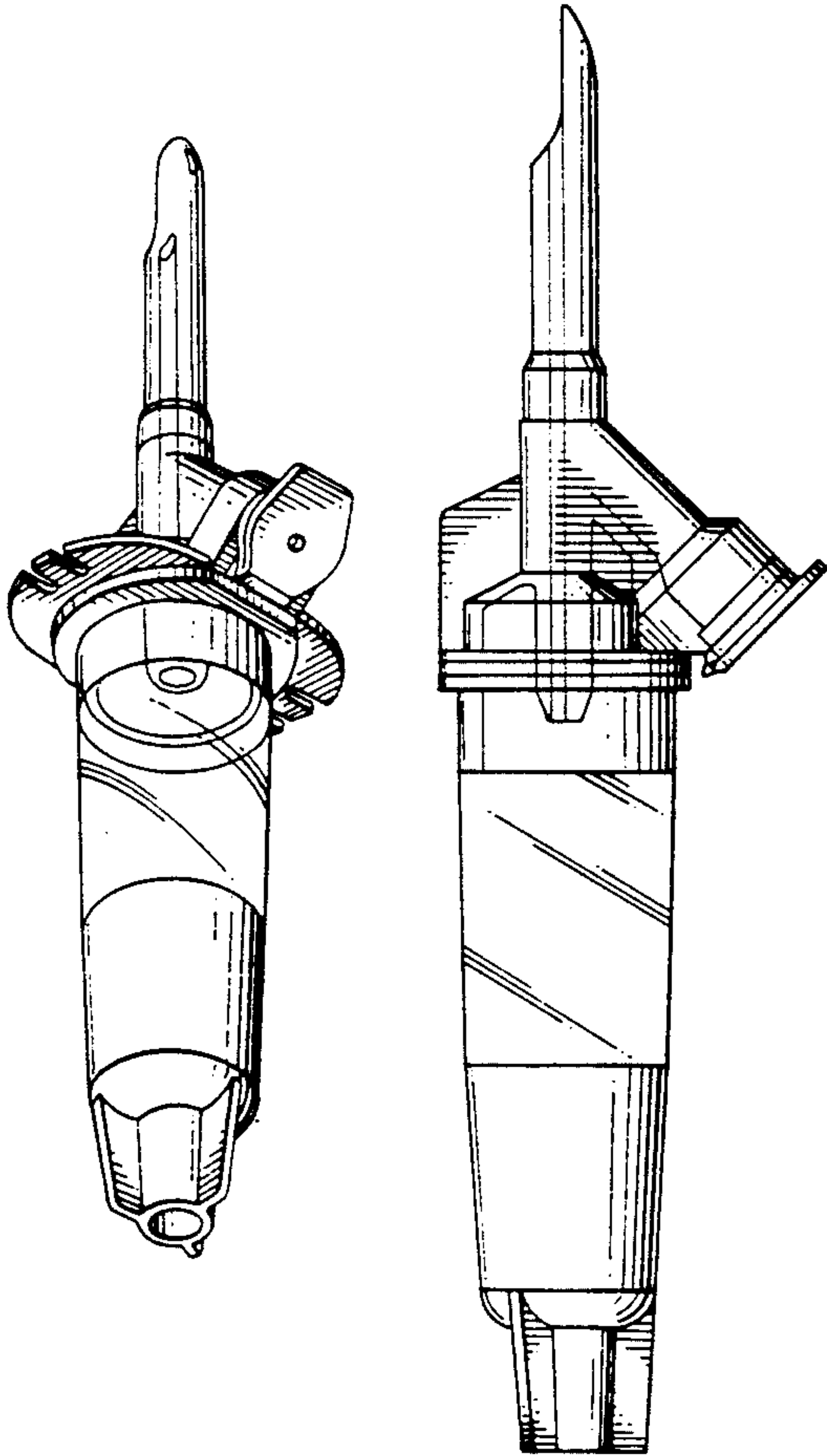
[54] **COMBINED UNIVERSAL SPIKE AND DRIP CHAMBER**  
[75] **Inventor:** Kirk O. Conn, Mahtomedi, Minn.  
[73] **Assignee:** IVAC Corporation, San Diego, Calif.  
[\*\*] **Term:** 14 Years  
[21] **Appl. No.:** 379,902  
[22] **Filed:** Jul. 14, 1989  
[52] **U.S. Cl.** ..... D24/112; D24/129  
[58] **Field of Search** ..... D24/129, 128, 112;  
604/127, 126, 256, 254, 411, 405; 137/399

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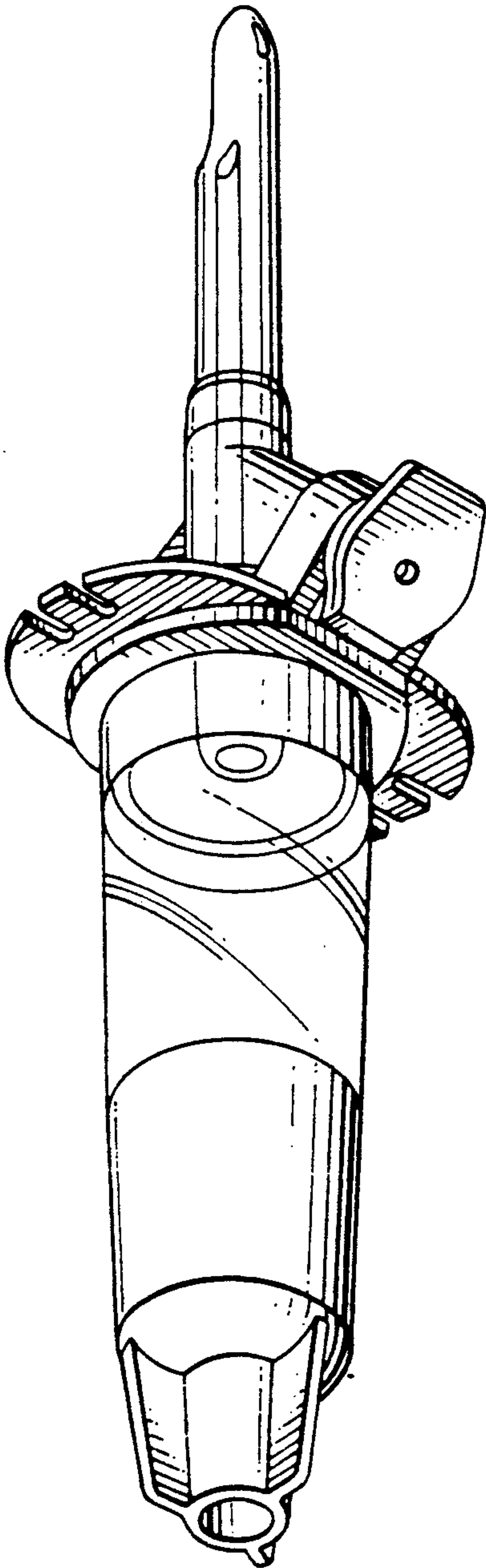
*Primary Examiner*—Stella Reid  
*Attorney, Agent, or Firm*—Fulwider, Patton, Lee & Utecht

[57] **CLAIM**  
The ornamental design for a combined universal spike and drip chamber, as shown and described.

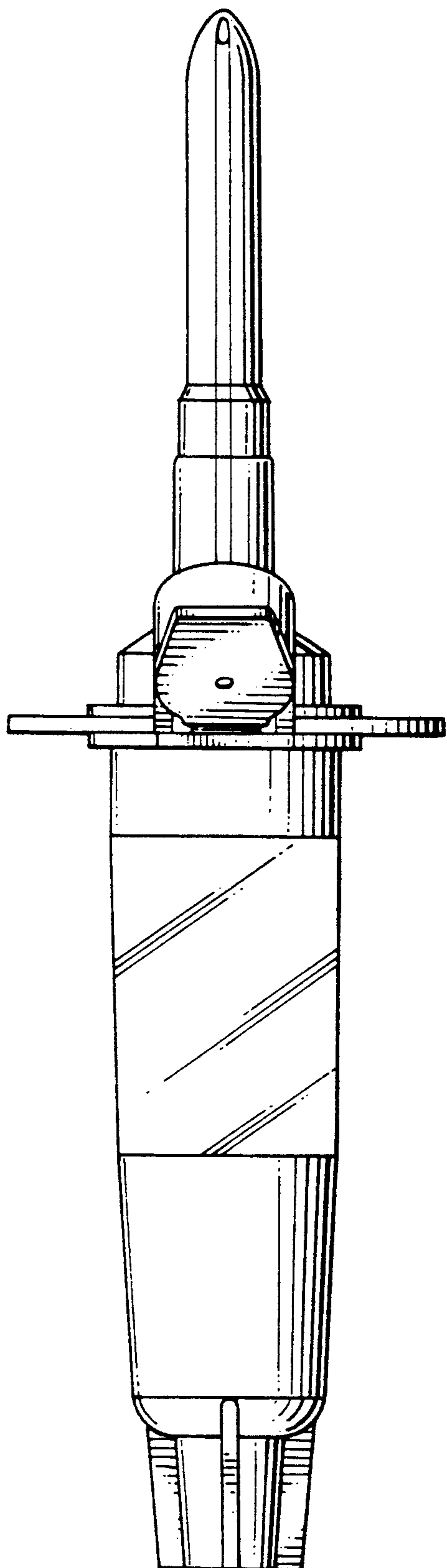
**DESCRIPTION**  
FIG. 1 is a right front perspective view of a combined universal spike and drip chamber, showing my new design, with the in vent closed position;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a right side elevational view thereof, the left side elevational view being identical;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is another right front perspective view thereof, showing the vent in an open position;  
FIG. 8 is a top plan view of a first alternate embodiment thereof, with the only difference residing in the flange portion, and all other sides being identical to that shown in FIGS. 1-7;  
FIG. 9 is a top plan view of a second alternate embodiment thereof, with the only difference residing in the flange portion, and all other sides being identical to that shown in FIGS. 1-7; and,  
FIG. 10 is a top plan view of a third alternate embodiment thereof, with the only difference residing in the flange portion, and all other sides being identical to that shown in FIGS. 1-7.



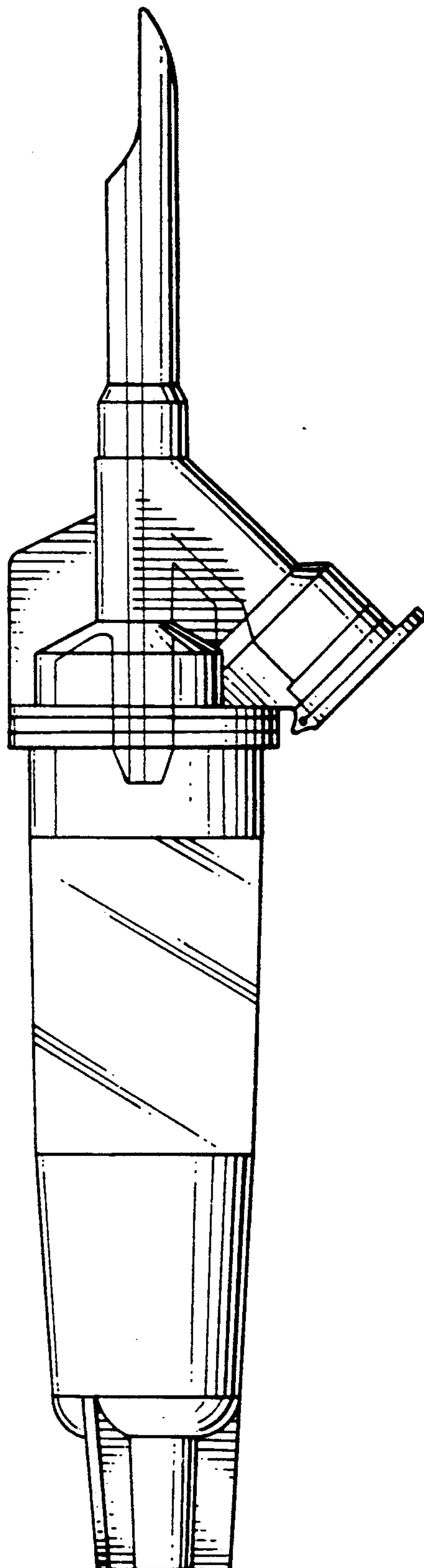
*Fig. 1*



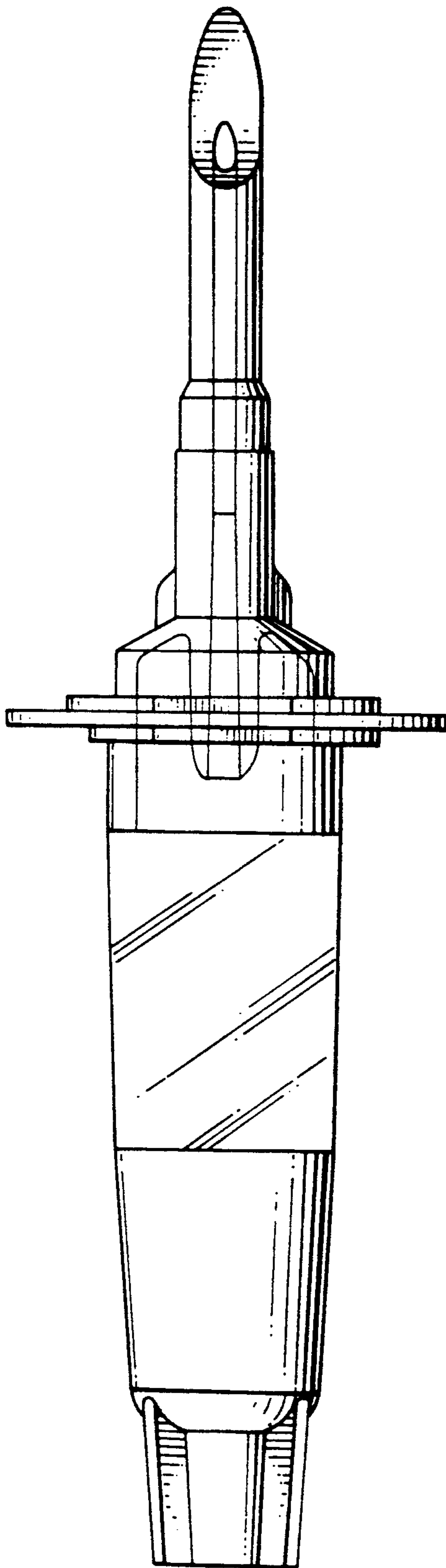
*FIG. 2*



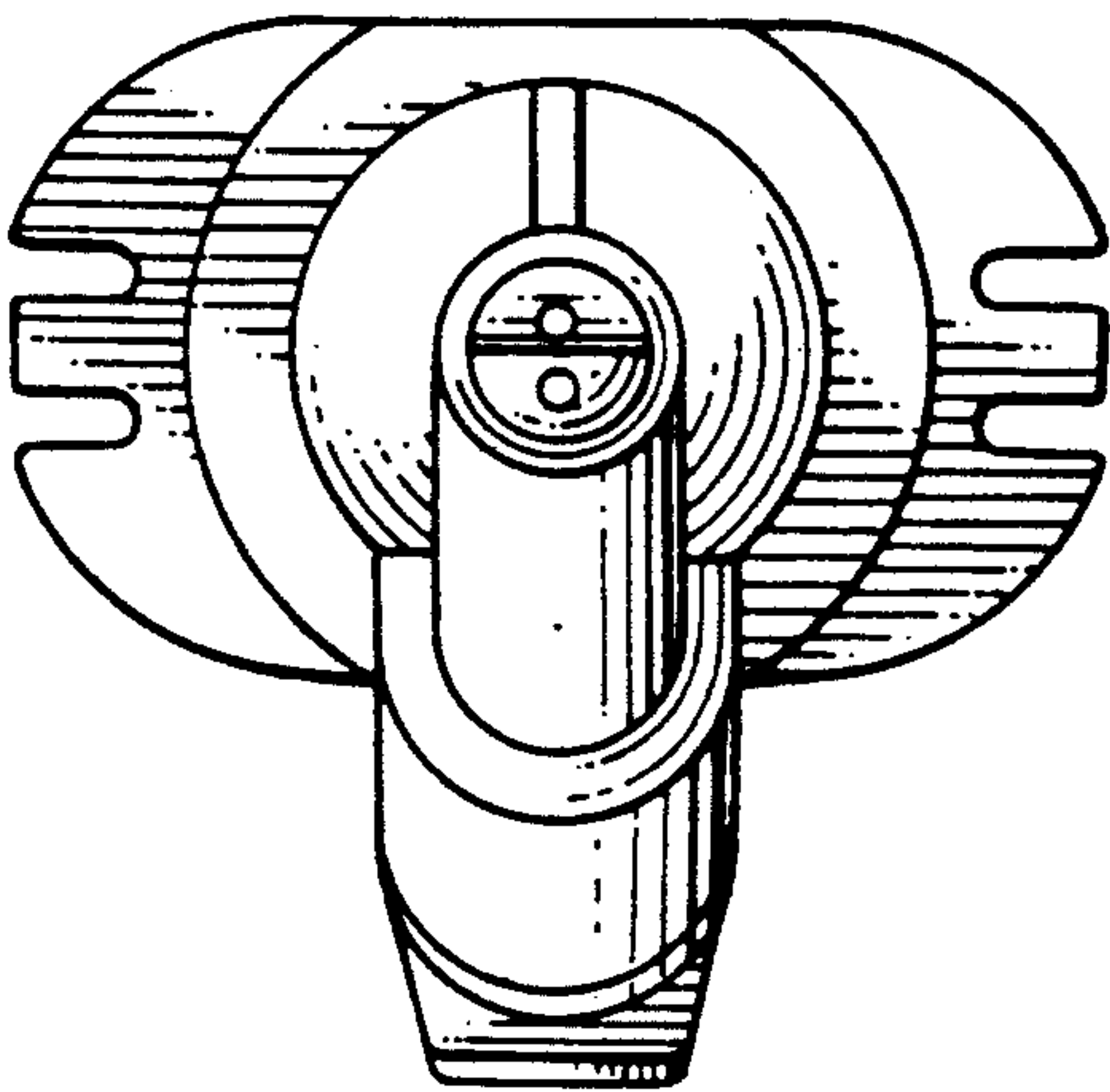
*FIG. 3*



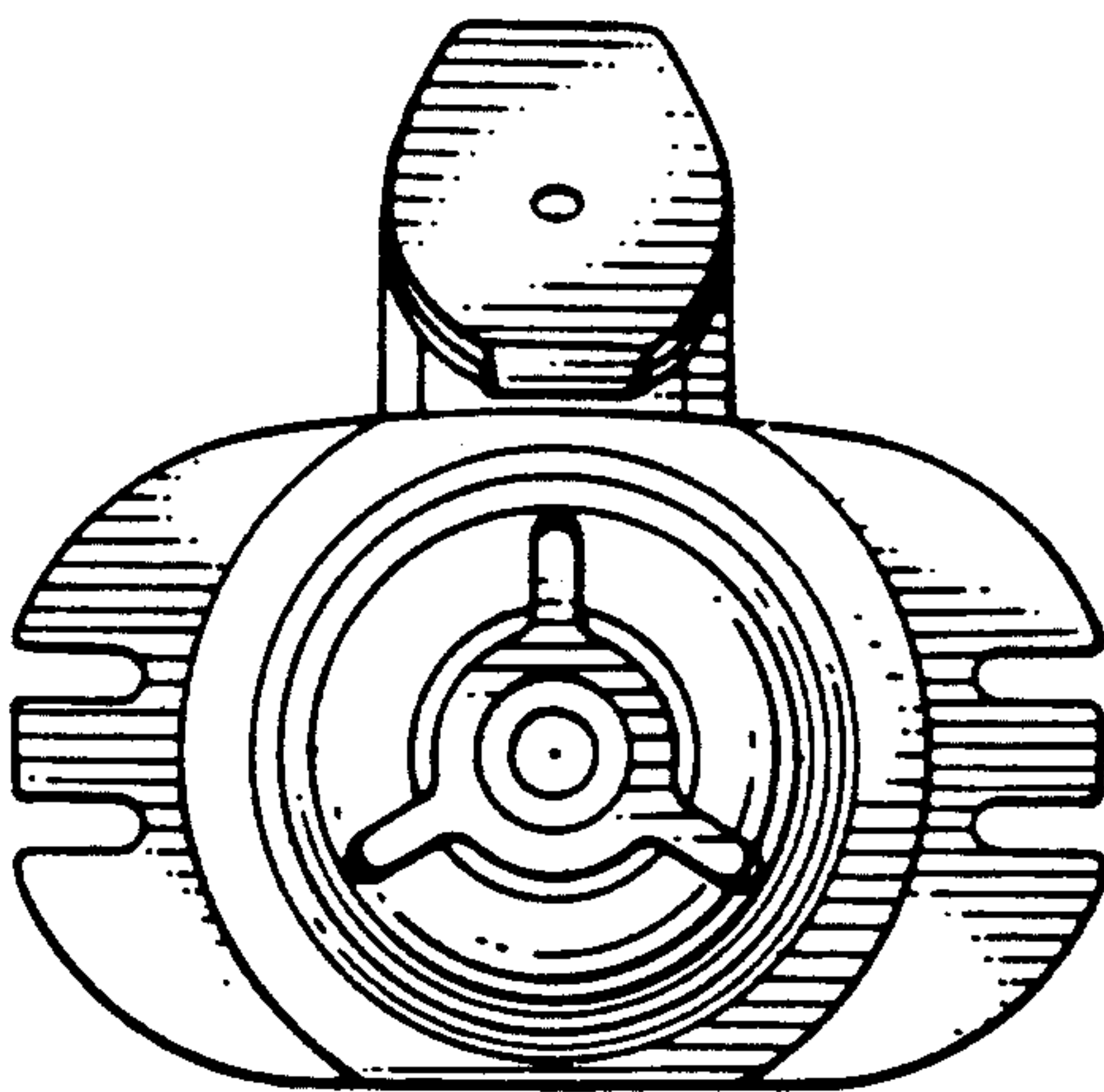
*Fig. 4*



*Fig. 5*

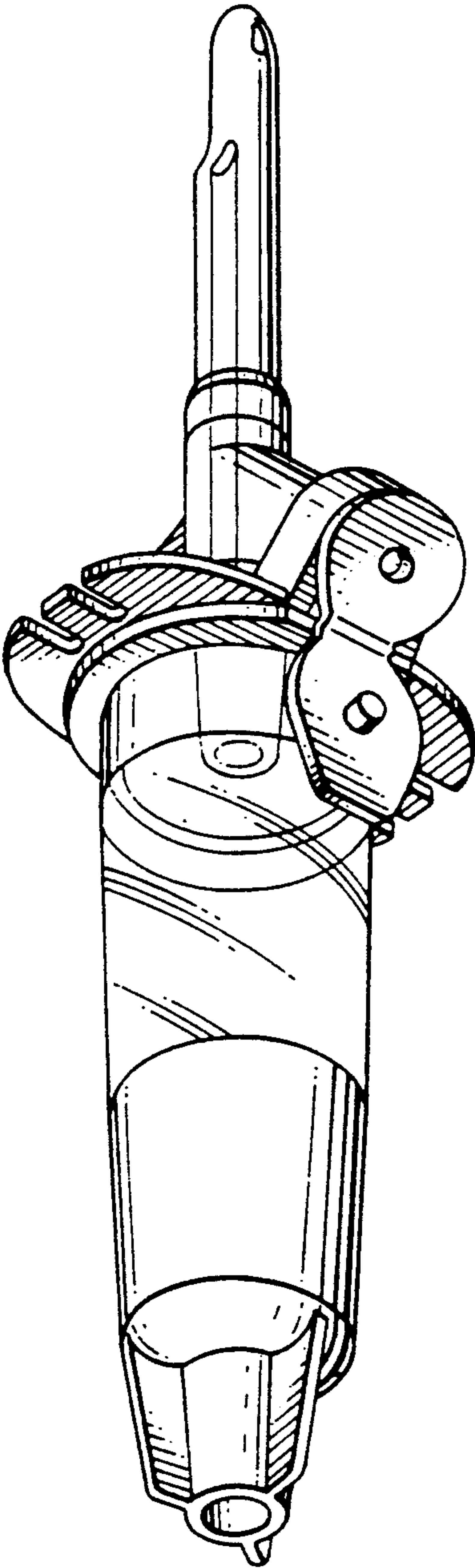


*Fig. 6*

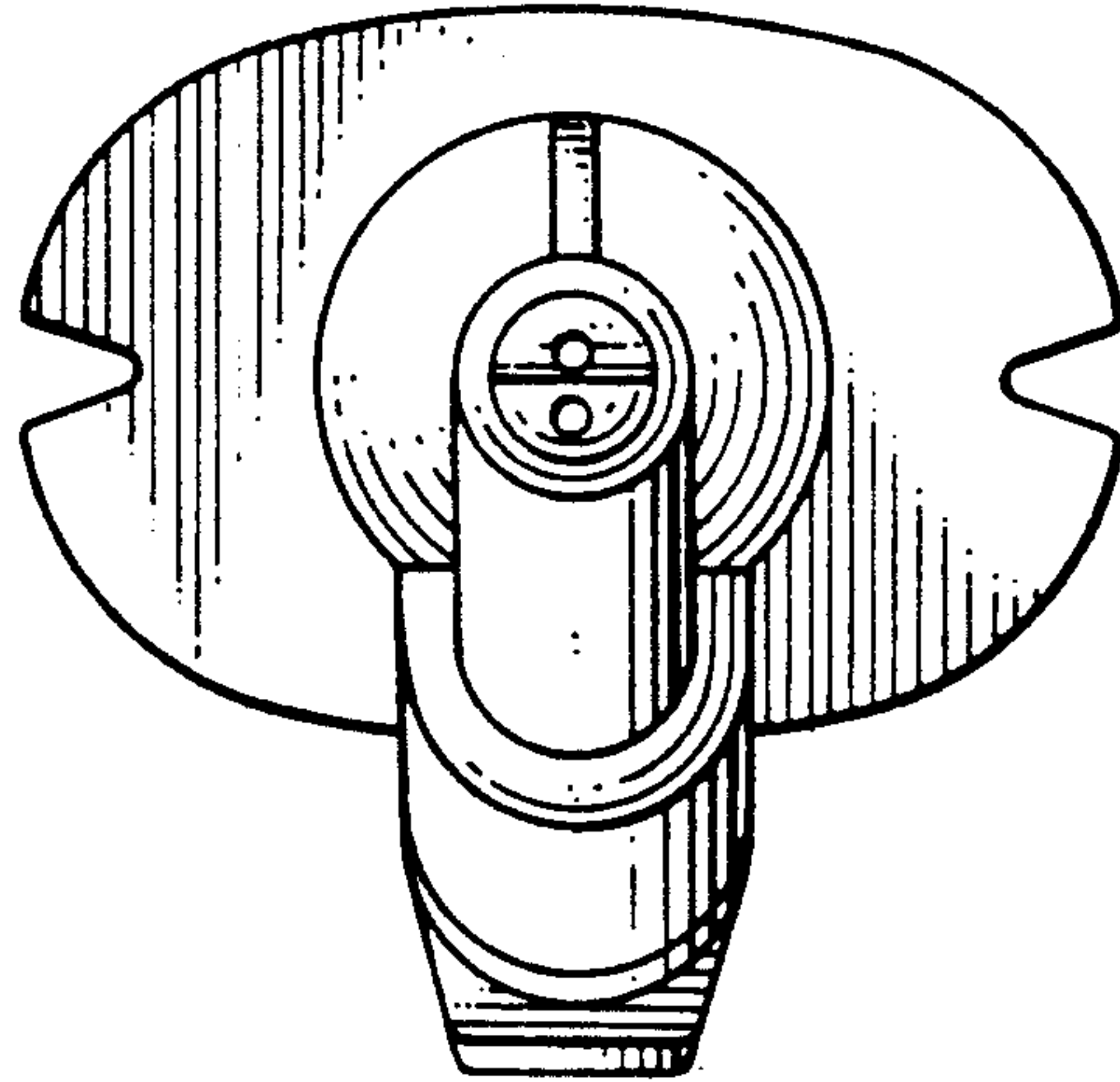




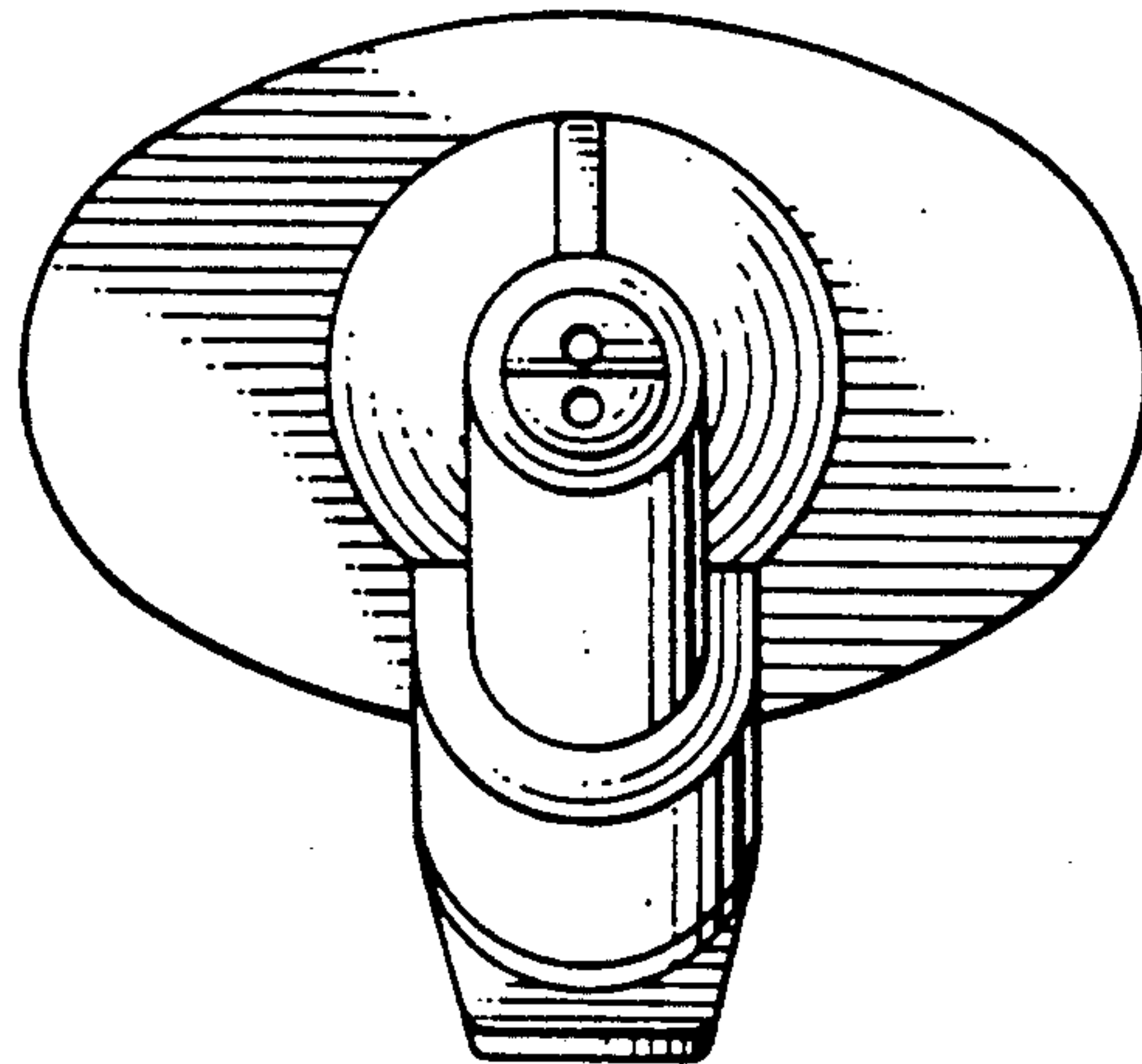
*Fig. 7*



*Fig. 8*



*Fig. 9*



*Fig. 10*

