



US00D367916S

United States Patent [19]

[11] Patent Number: **Des. 367,916**

Thomas et al.

[45] Date of Patent: ****Mar. 12, 1996**

[54] SAFETY SHUT-OFF VALVE FOR HIGH PRESSURE BOTTLES

1446854 8/1976 United Kingdom .

[76] Inventors: **Clinton L. Thomas**, 1201 N. Custer, Miles City, Mont. 59301; **Jason R. Coldwell**, HC46, Kinsey, Mont. 59338

Primary Examiner—Stella Reid
Assistant Examiner—E. Watterson
Attorney, Agent, or Firm—Richard C. Litman

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

[57] **CLAIM**

The ornamental design for a safety shut-off valve for high pressure bottles, as shown and described.

[21] Appl. No.: **37,147**

DESCRIPTION

[22] Filed: **Apr. 5, 1995**

[52] U.S. Cl. **D23/233**

[58] Field of Search D23/233-237, D23/244-249; 137/460, 517, 526

FIG. 1 is a top perspective view of a safety shut-off valve for high pressure bottles showing my new design;

FIG. 2 is a bottom perspective, partially exploded view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is a front elevational side view with the rear, left side and right sides being mirror images thereof;

FIG. 5 is a bottom view of the upper part of the design as seen in FIG. 2;

FIG. 6 is a bottom view of the upper part of the design as seen in FIG. 7; and,

FIG. 7 is a top perspective view of another embodiment of a safety shut-off valve for high pressure bottles showing my new design.

The top, front, rear, left side and right side views of the second embodiment of the invention are identical to the corresponding views of the first embodiment of the invention.

[56] References Cited

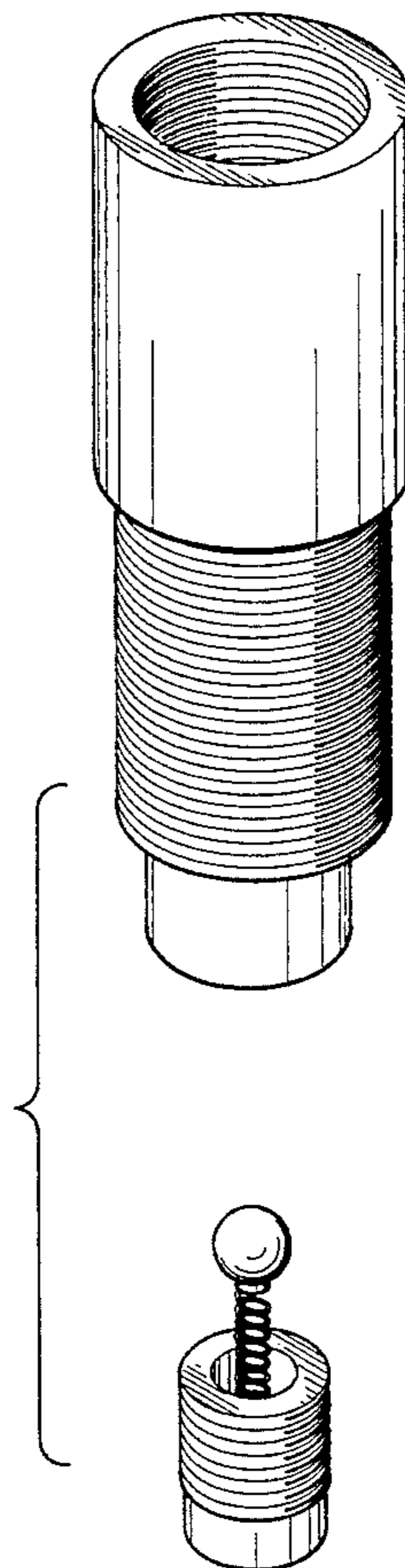
U.S. PATENT DOCUMENTS

4,010,770	3/1977	Peters	137/460 X
4,089,343	5/1978	Ishida .	
4,319,604	3/1982	Bird	137/460 X
4,349,042	9/1982	Shimizu	137/460 X
4,349,043	9/1982	Christensen .	
4,611,628	9/1986	Pasternack .	
4,744,387	5/1988	Otteman .	
4,986,312	1/1991	Gute	138/44 X
5,022,435	6/1991	Jaw-Shiunn .	
5,123,442	6/1992	Geuy et al. .	

FOREIGN PATENT DOCUMENTS

1087683 2/1955 France .

1 Claim, 4 Drawing Sheets



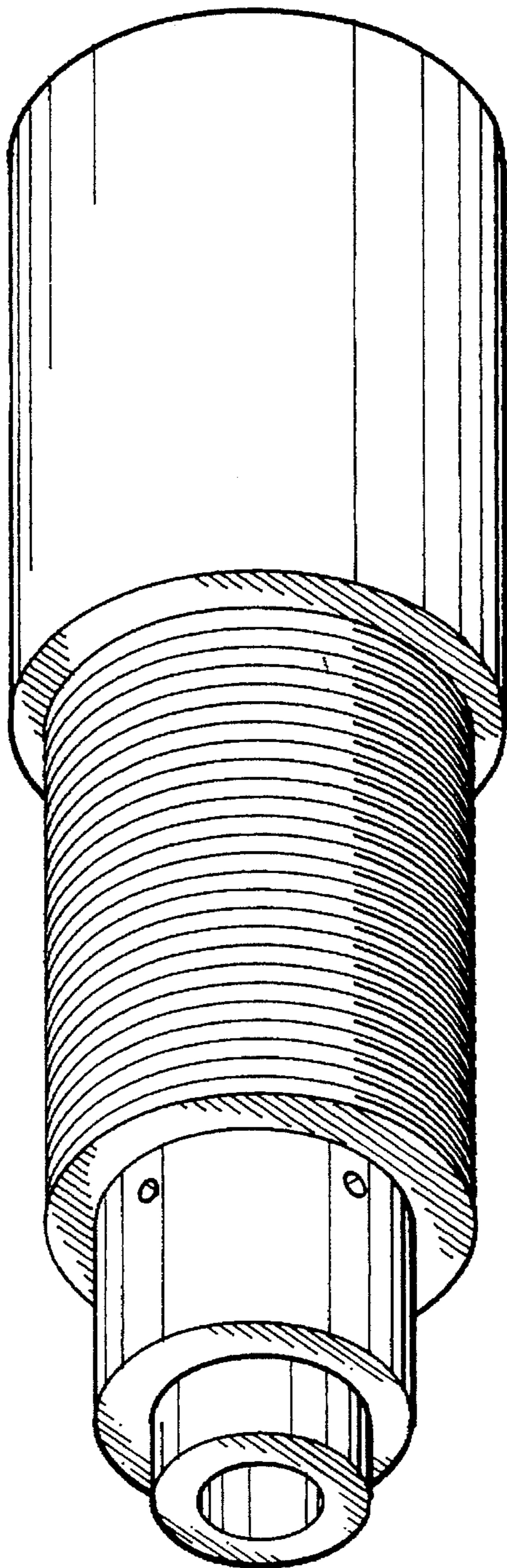


FIG. 1

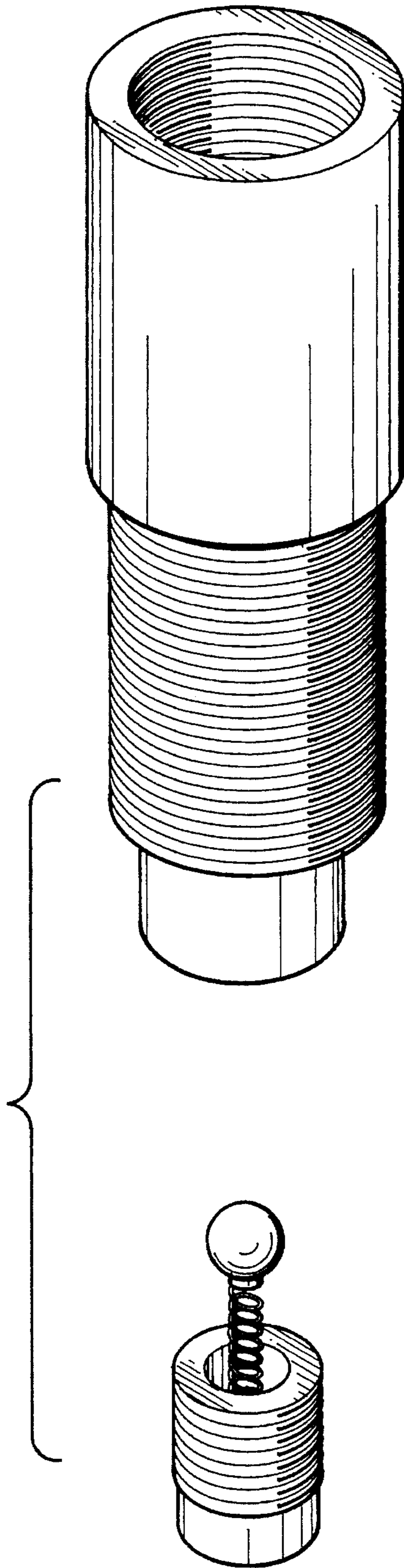


FIG. 2

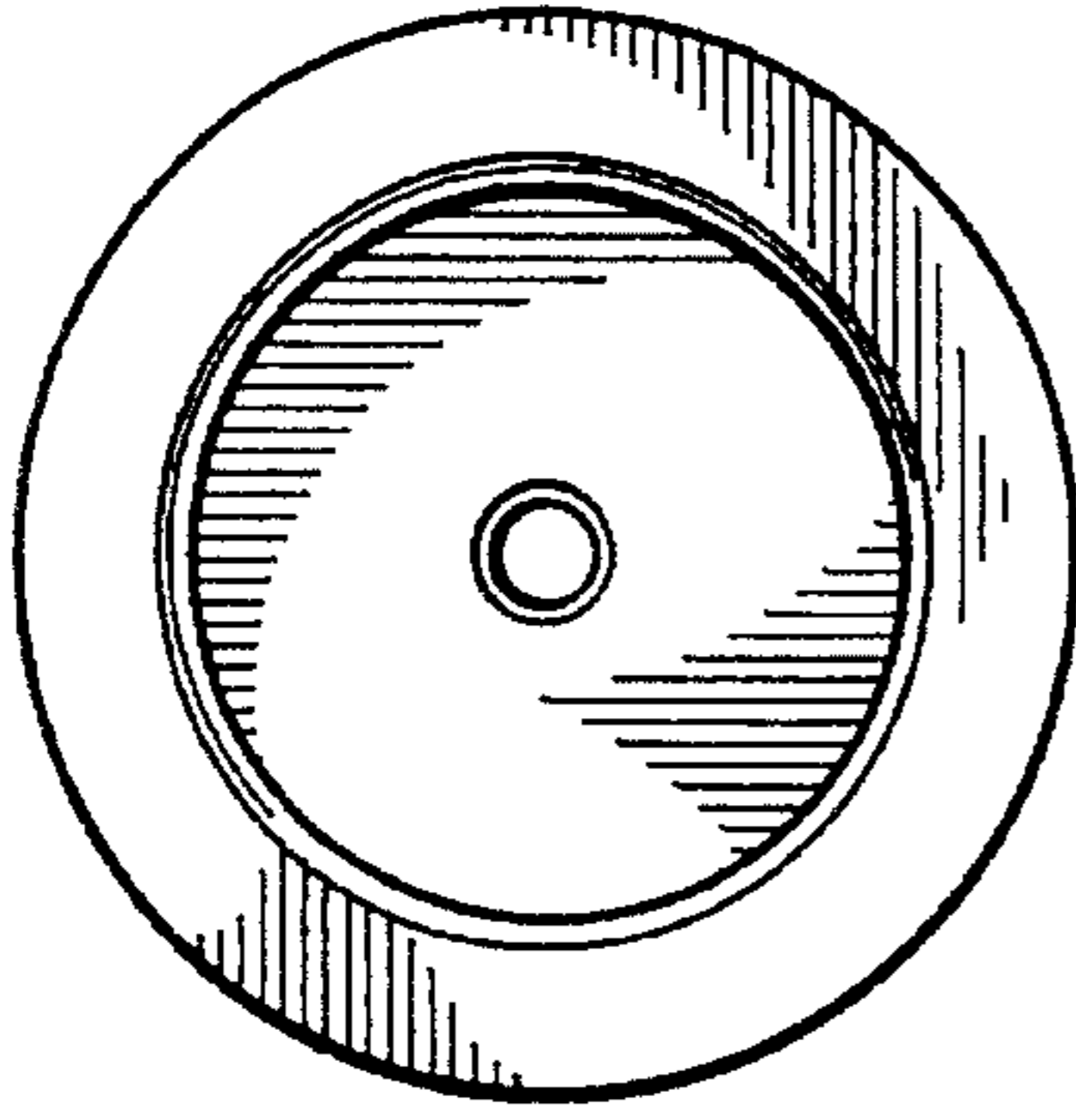


FIG. 3

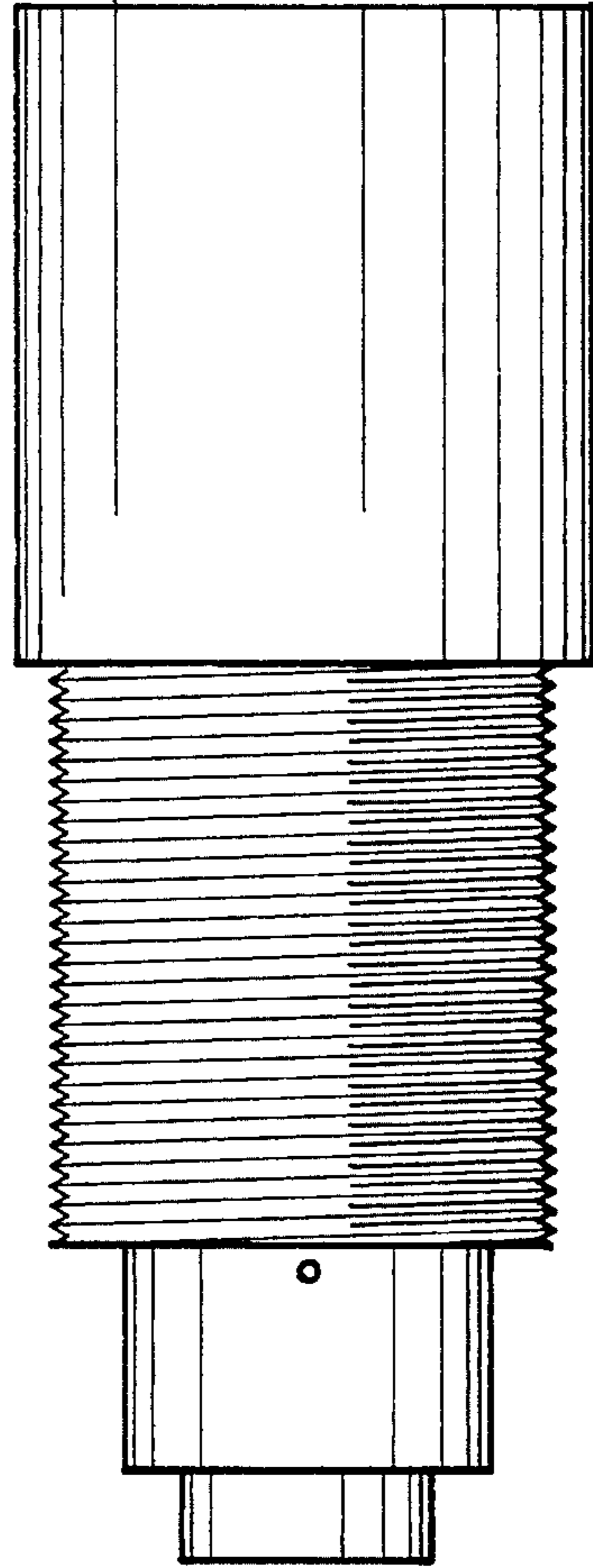


FIG. 4

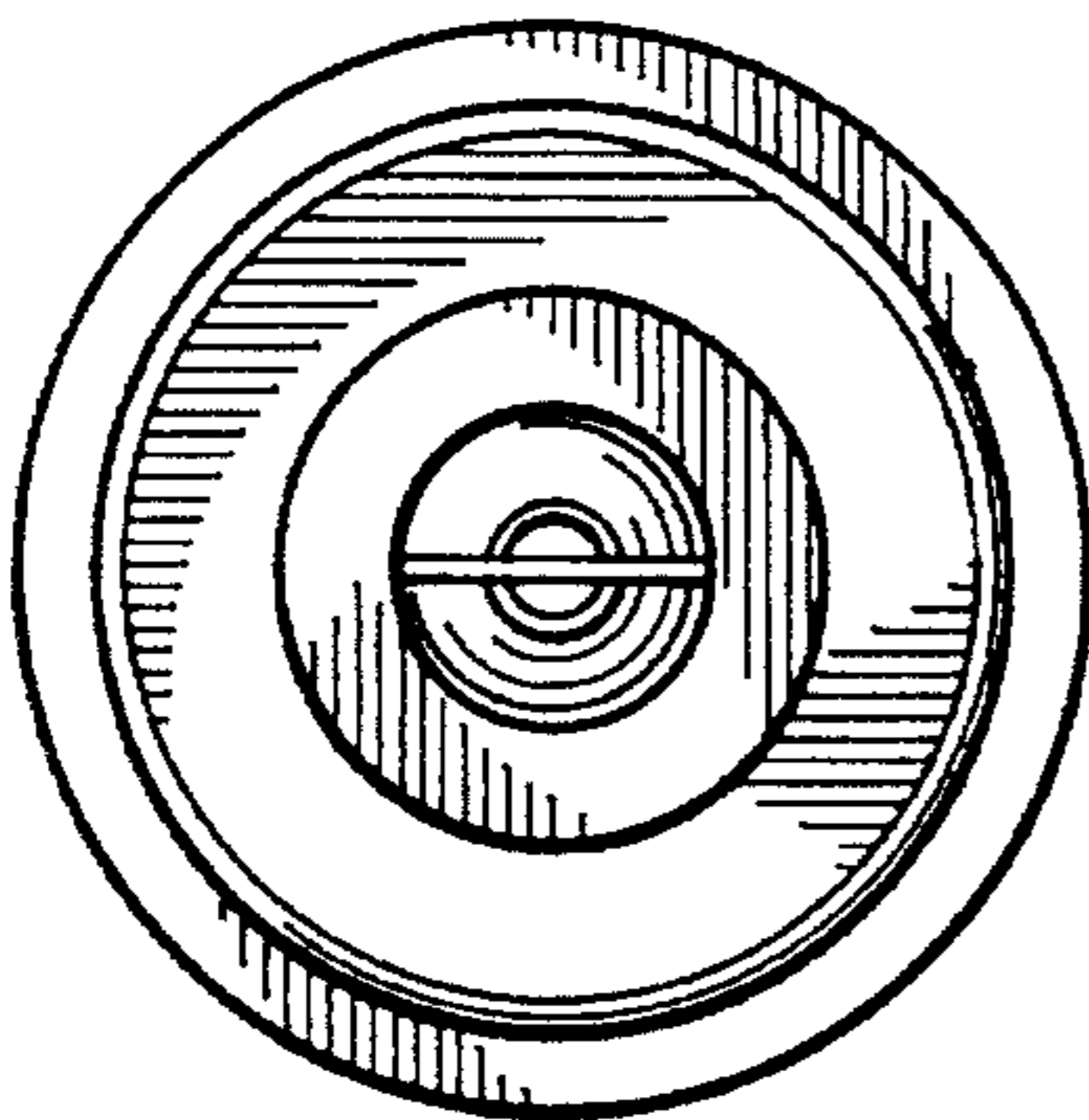


FIG. 5

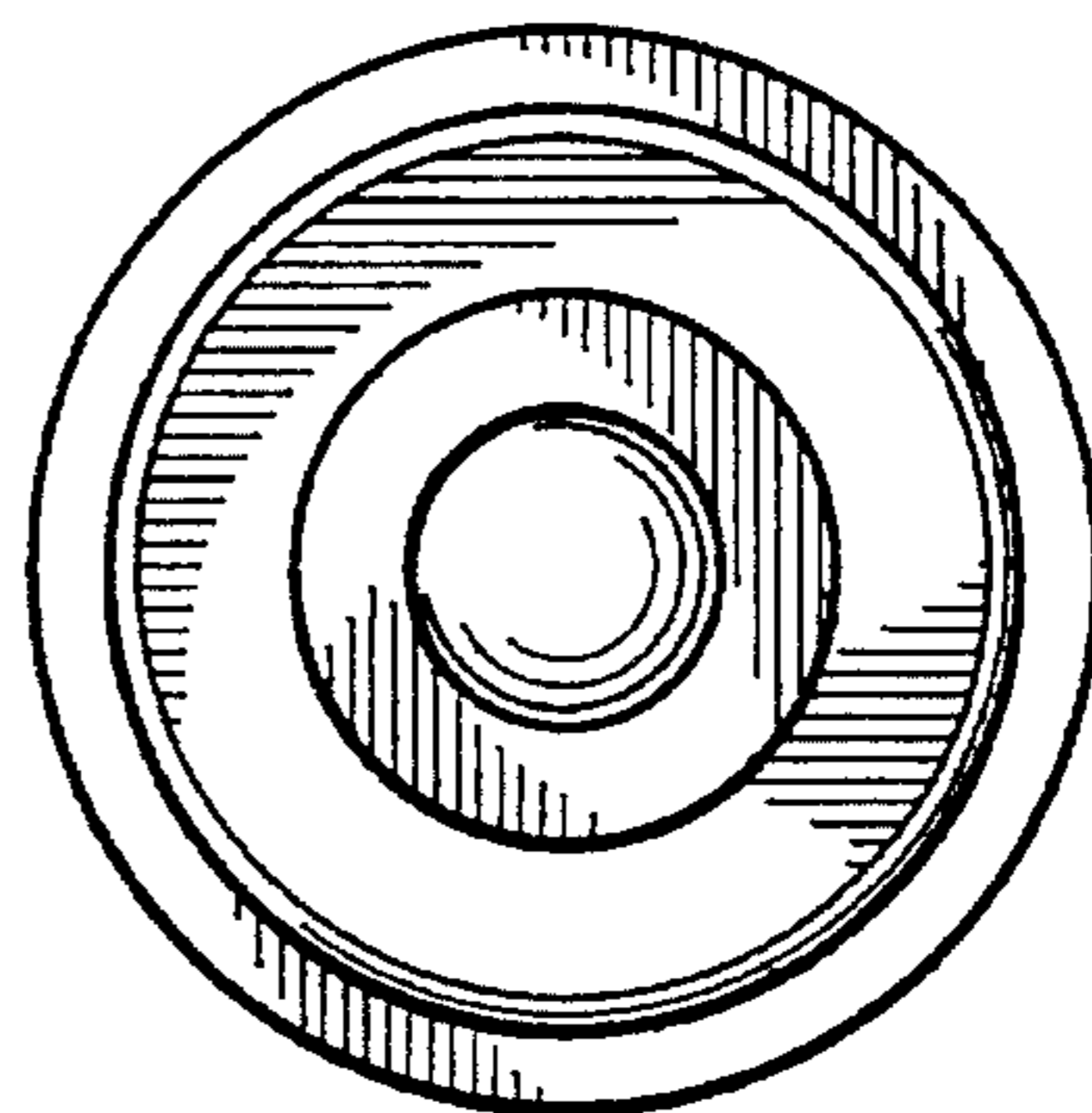


FIG. 6

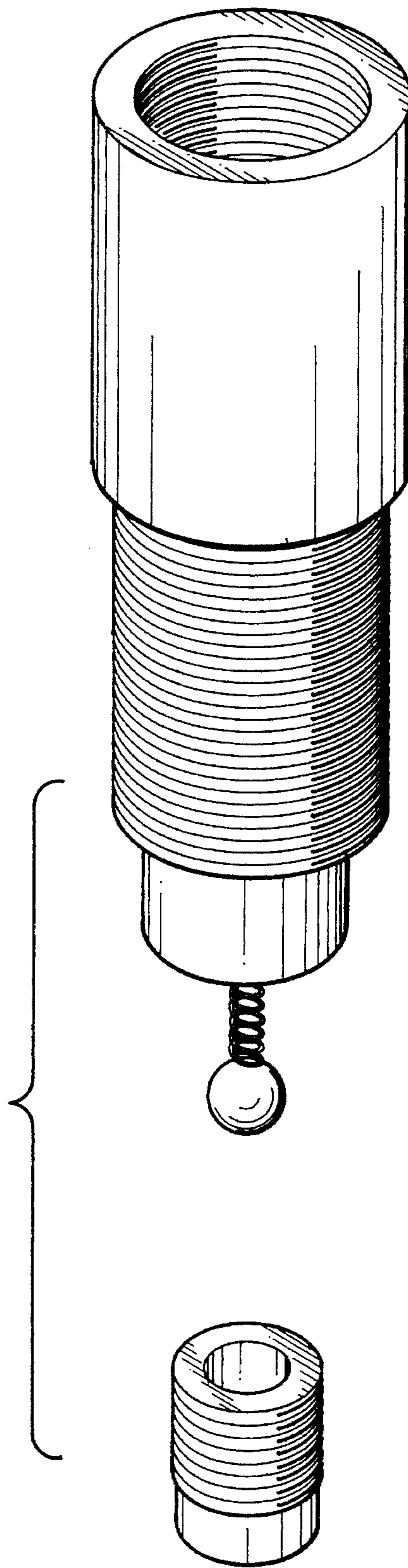


FIG. 7