



US00D440632S

(12) **United States Design Patent**  
**Fukuda et al.**

(10) **Patent No.:** **US D440,632 S**

(45) **Date of Patent:** **\*\* Apr. 17, 2001**

(54) **EXPANSION VALVE**

(75) Inventors: **Eiji Fukuda; Kazuhiko Watanabe,**  
both of Tokyo (JP)

(73) Assignee: **Fujikoki Corporation, Tokyo (JP)**

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/122,823**

(22) Filed: **May 4, 2000**

(30) **Foreign Application Priority Data**

Nov. 5, 1999 (JP) ..... 11-30427

(51) **LOC (7) Cl.** ..... **23-01**

(52) **U.S. Cl.** ..... **D23/233**

(58) **Field of Search** ..... D23/233-237,  
D23/244-5; 137/884, 625.64

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D. 246,908 \* 1/1978 Fetty ..... D23/233
- D. 398,375 \* 9/1998 Lunch et al. .... D23/245
- D. 413,373 \* 8/1999 Watanabe ..... D23/233

- 5,295,511 \* 3/1994 Schleinhege et al. .... 137/625.64
- 5,555,911 \* 9/1996 Fukano et al. .... 137/625.64
- 5,709,247 \* 1/1998 Hutton ..... 137/884

\* cited by examiner

*Primary Examiner*—Robin V. Taylor

(74) *Attorney, Agent, or Firm*—Armstrong, Westerman,  
Hattori, McLeland & Naughton, LLP

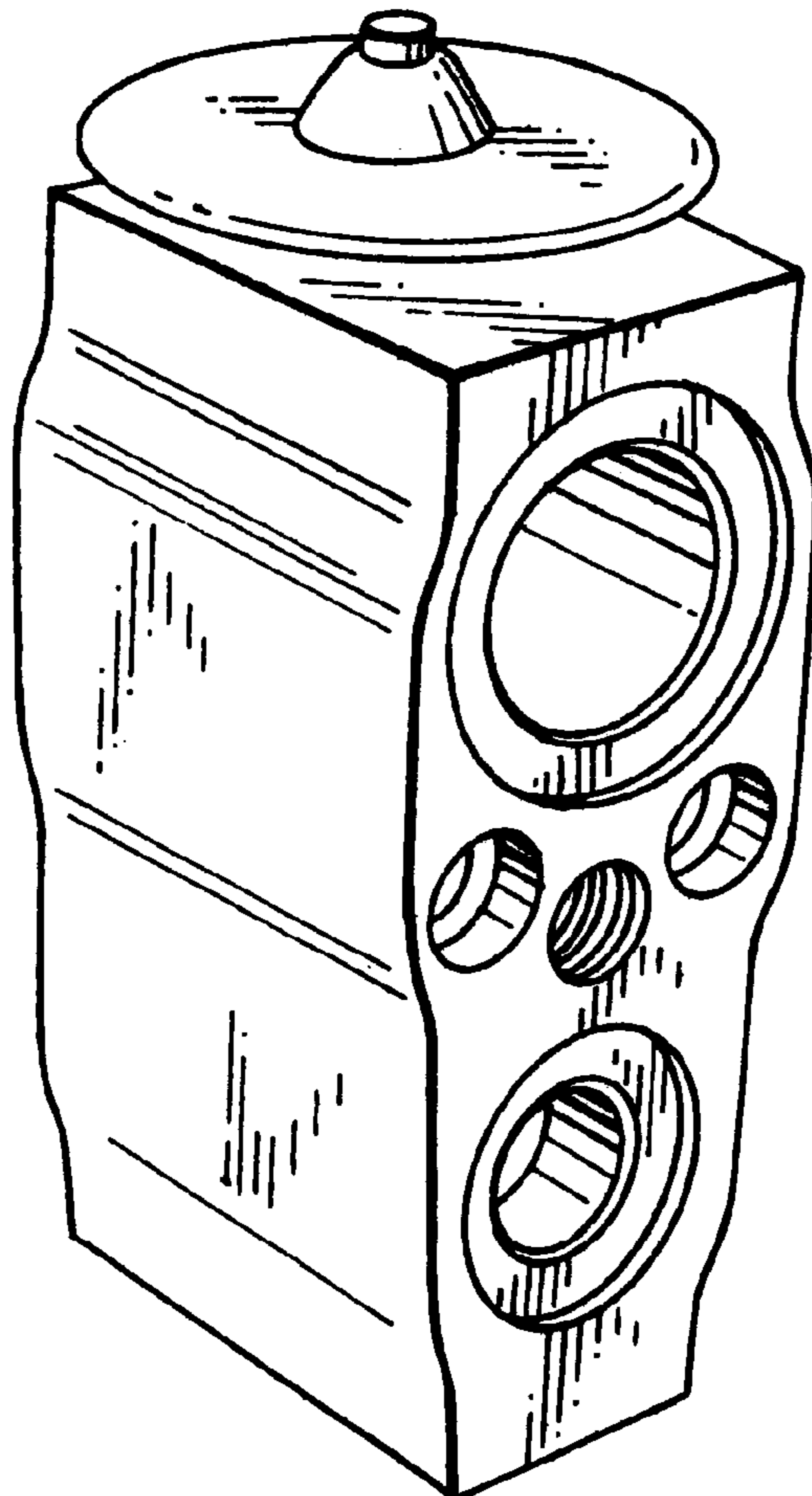
(57) **CLAIM**

The ornamental design for an expansion valve, as shown and described.

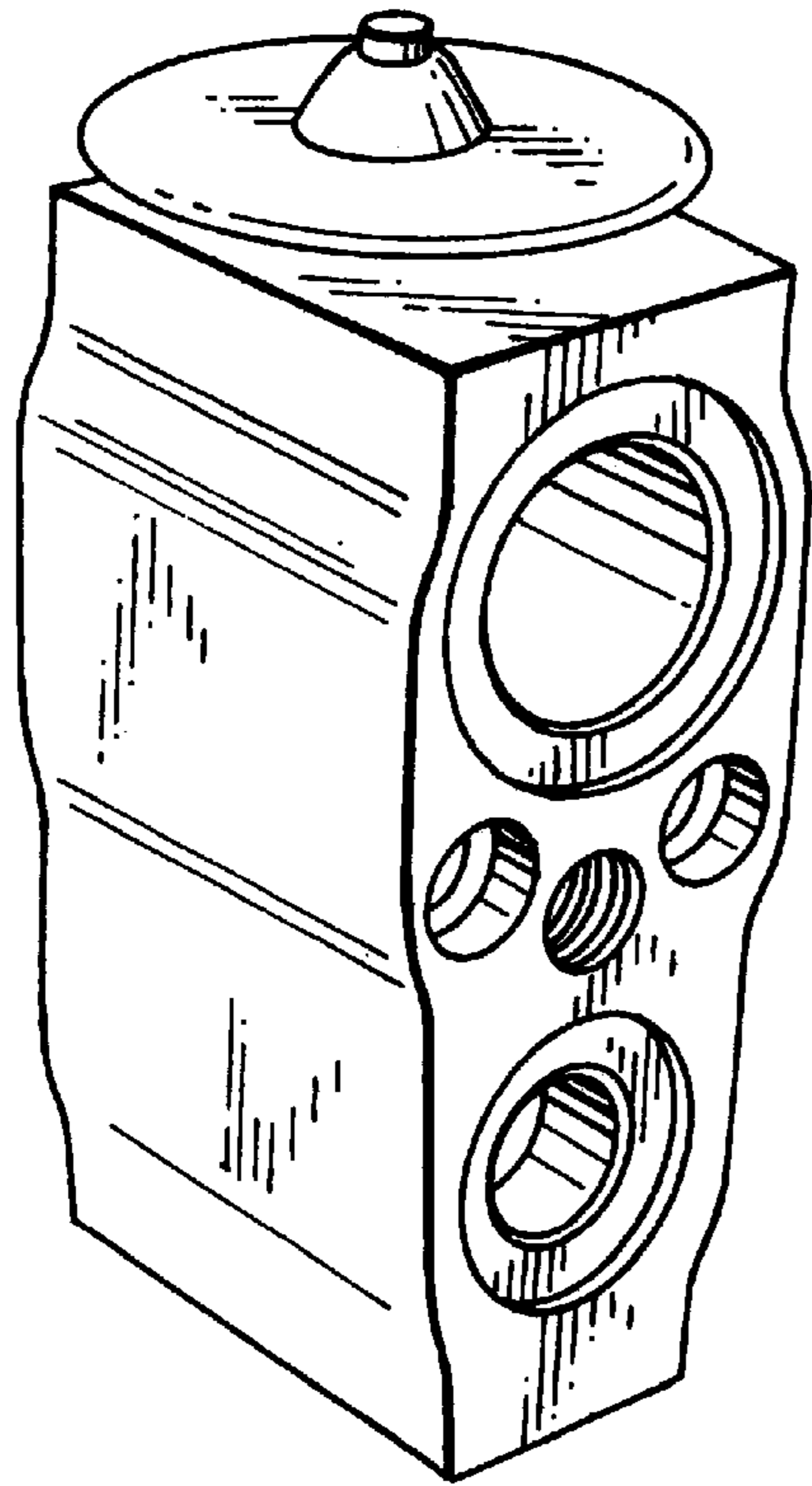
**DESCRIPTION**

FIG. 1 is a left front perspective view of the expansion valve showing our new design;  
 FIG. 2 is a right front perspective view thereof;  
 FIG. 3 is a front view thereof, the rear view being a mirror image thereof;  
 FIG. 4 is a right side elevational view thereof;  
 FIG. 5 is a plan view thereof;  
 FIG. 6 is a bottom view thereof; and,  
 FIG. 7 is a left side elevational view of the expansion valve.

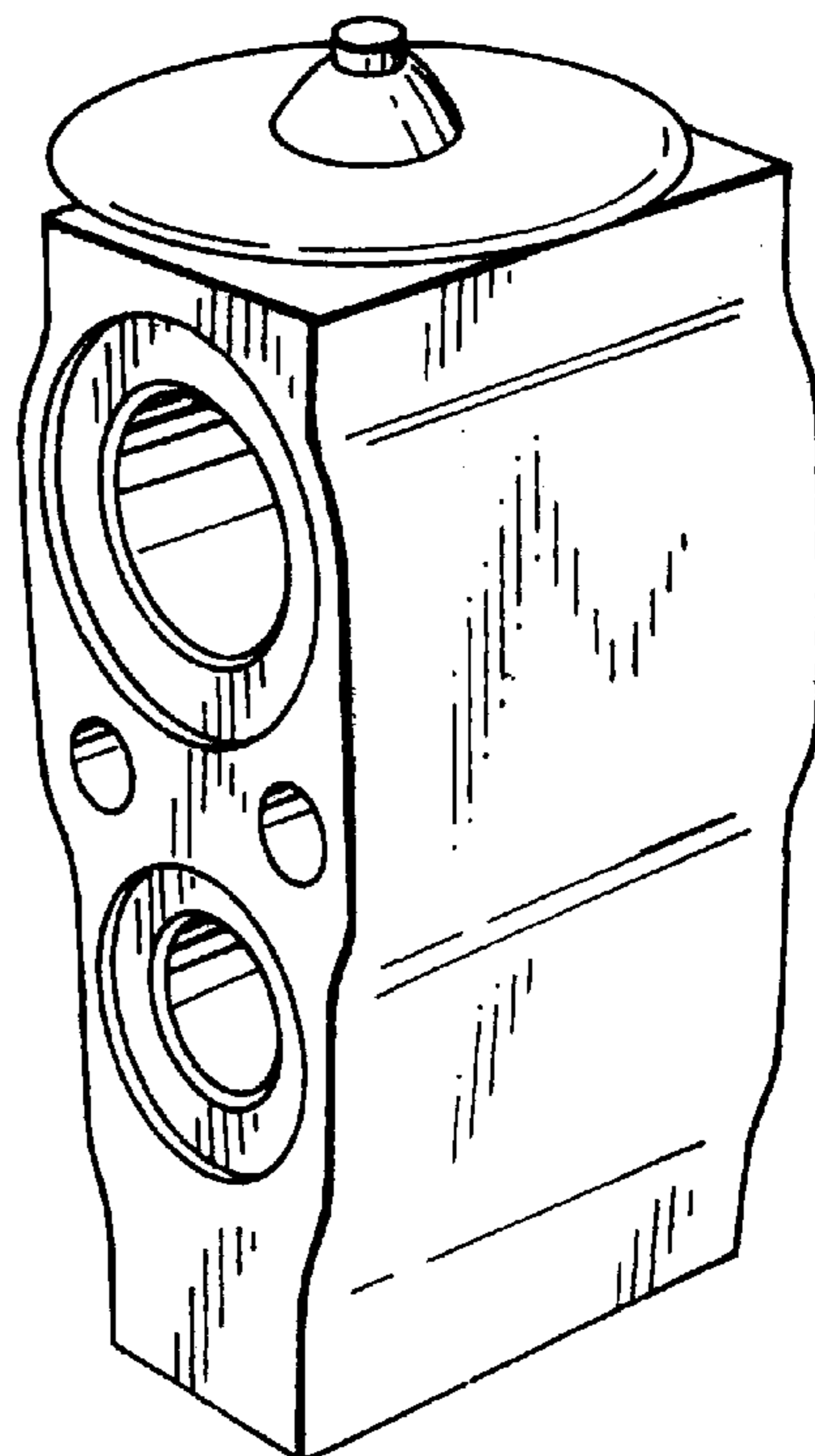
**1 Claim, 3 Drawing Sheets**



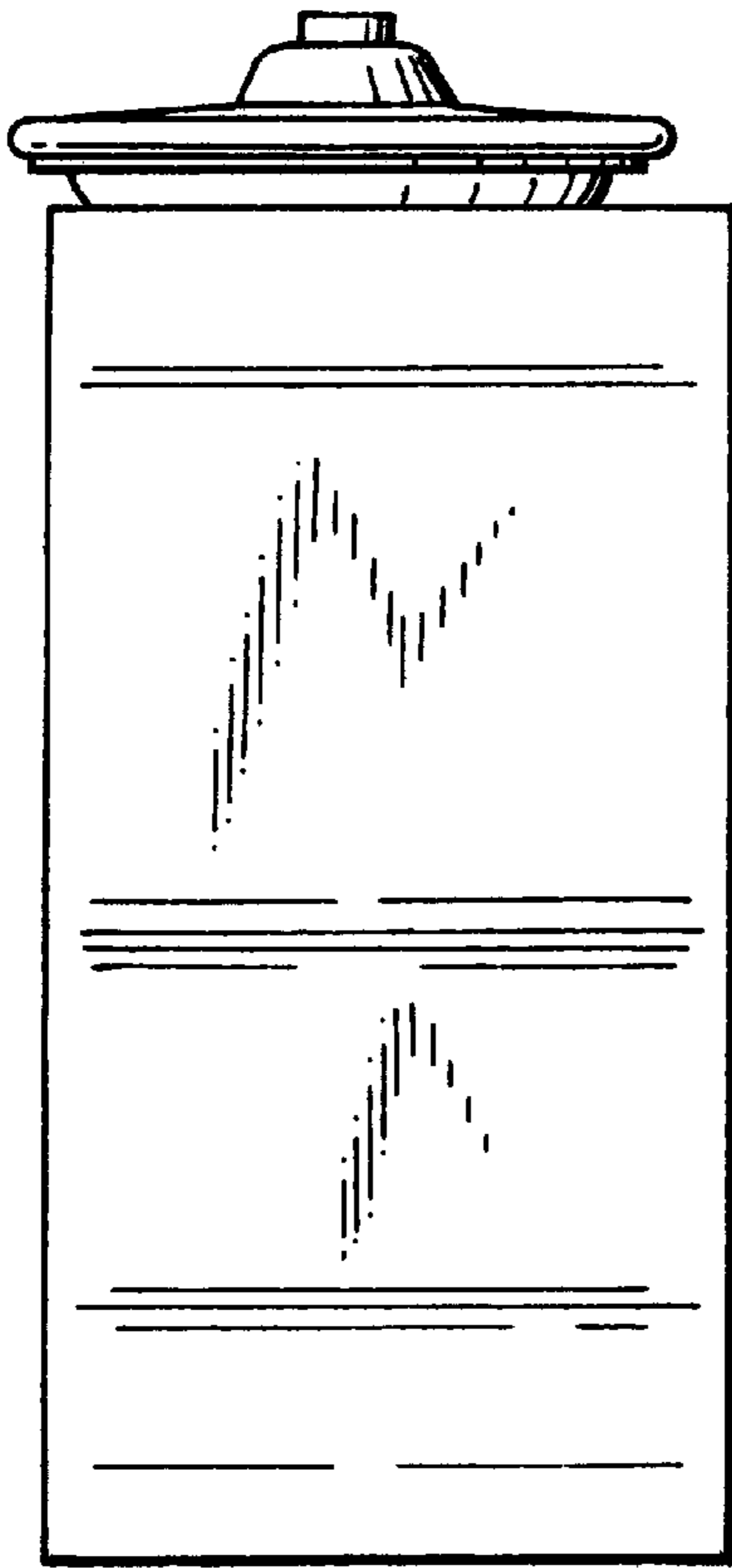
*FIG. 1*



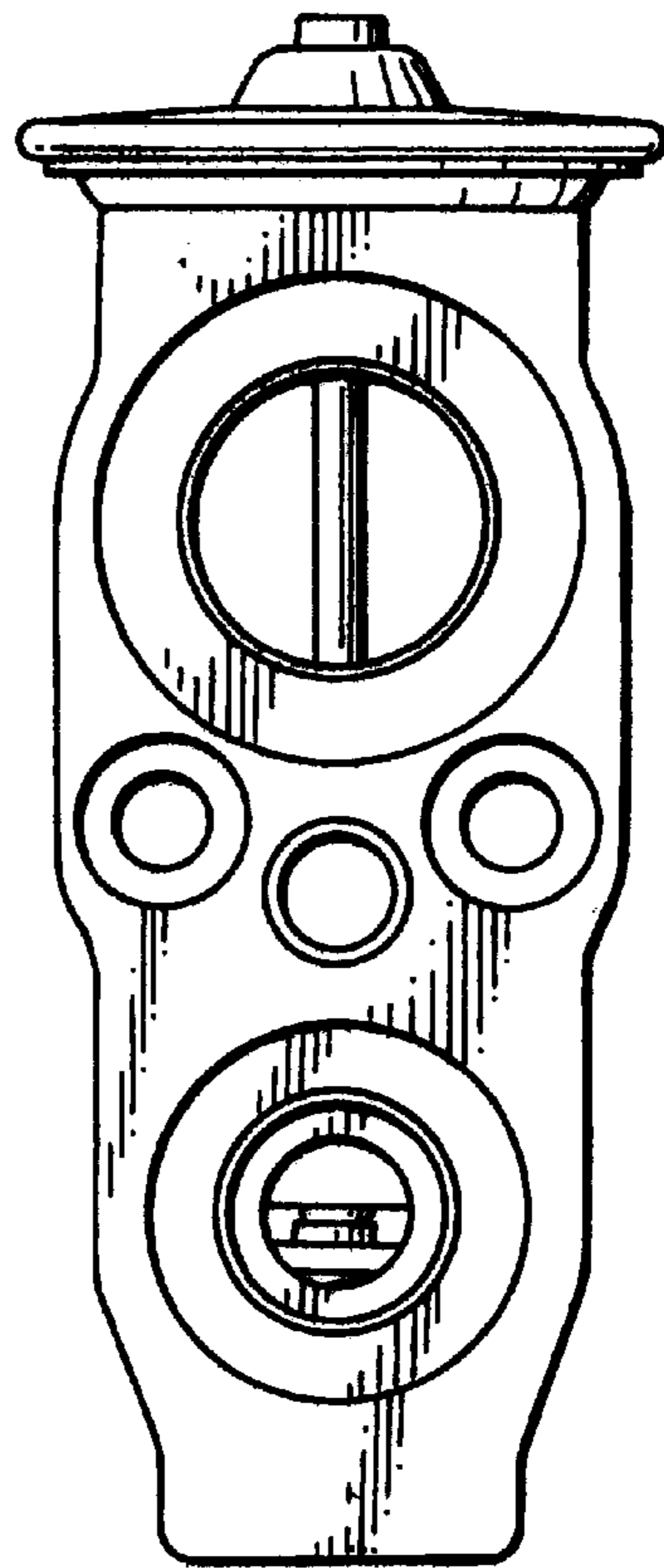
*FIG. 2*



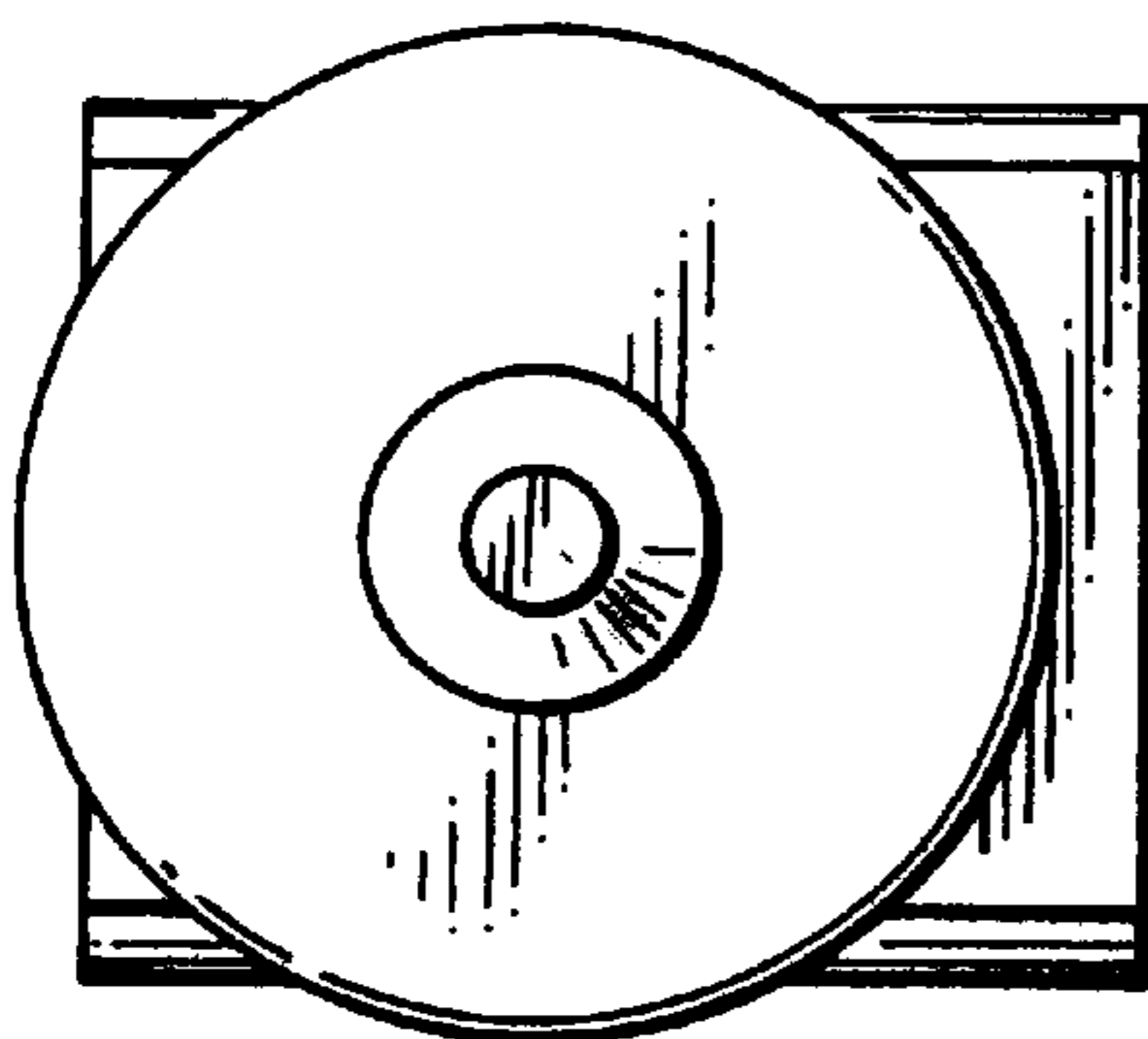
*FIG. 3*



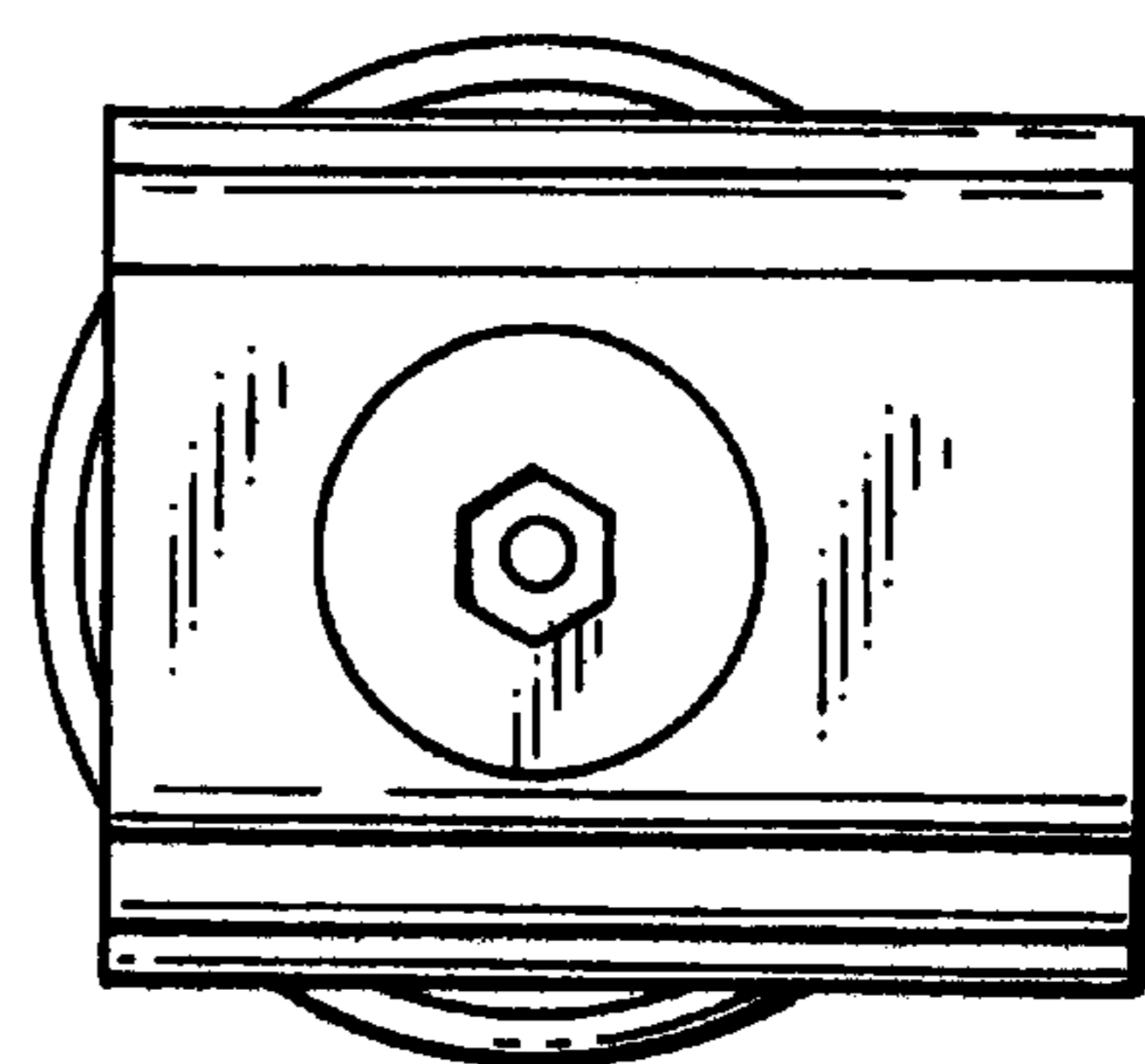
*FIG. 4*



*FIG. 5*



*FIG. 6*



*FIG. 7*

