

US00D496294S1

(12) **United States Design Patent** (10) **Patent No.:** **US D496,294 S**  
**Triginai et al.** (45) **Date of Patent:** **\*\* \*Sep. 21, 2004**

(54) **CARTRIDGE WITH A BOTTOM LEFT-HANDED THREAD FOR INJECTING A FLUORESCENT DYE OR LUBRICANT INTO AN AIR-CONDITIONING OR REFRIGERATION SYSTEM**

(75) Inventors: **Phil Triginai, Mississauga (CA); Tony Ferraro, Mississauga (CA); William Frederick Waters, Mississauga (CA)**

(73) Assignee: **UView Ultraviolet Systems, Inc., Mississauga (CA)**

(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/176,310**

(22) Filed: **Feb. 20, 2003**

(51) **LOC (7) Cl.** ..... **10-04**

(52) **U.S. Cl.** ..... **D10/101; D10/48**

(58) **Field of Search** ..... **D10/101, 48; 62/77, 62/125, 292; 116/276; 137/15, 559, 206.5; 141/382, 383; D15/199**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,621,193 A	*	11/1986	Van Hoye	.....	250/302
5,673,722 A	*	10/1997	Brass	.....	137/15.01
D434,990 S	*	12/2000	Trigiani	.....	D10/101
6,293,319 B1		9/2001	Trigiani		

\* cited by examiner

*Primary Examiner*—Antoine D. Davis  
(74) *Attorney, Agent, or Firm*—Bell, Boyd & Lloyd LLC

(57) **CLAIM**

The ornamental design of a cartridge with a bottom left-handed thread for injecting a fluorescent dye or lubricant into an air-conditioning or refrigeration system, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of the cartridge with a bottom left-handed thread for injecting a fluorescent dye or lubricant into an air-conditioning or refrigeration system.

FIG. 2 is a back view of the cartridge with a bottom left-handed thread for injecting a fluorescent dye or lubricant into an air-conditioning or refrigeration system.

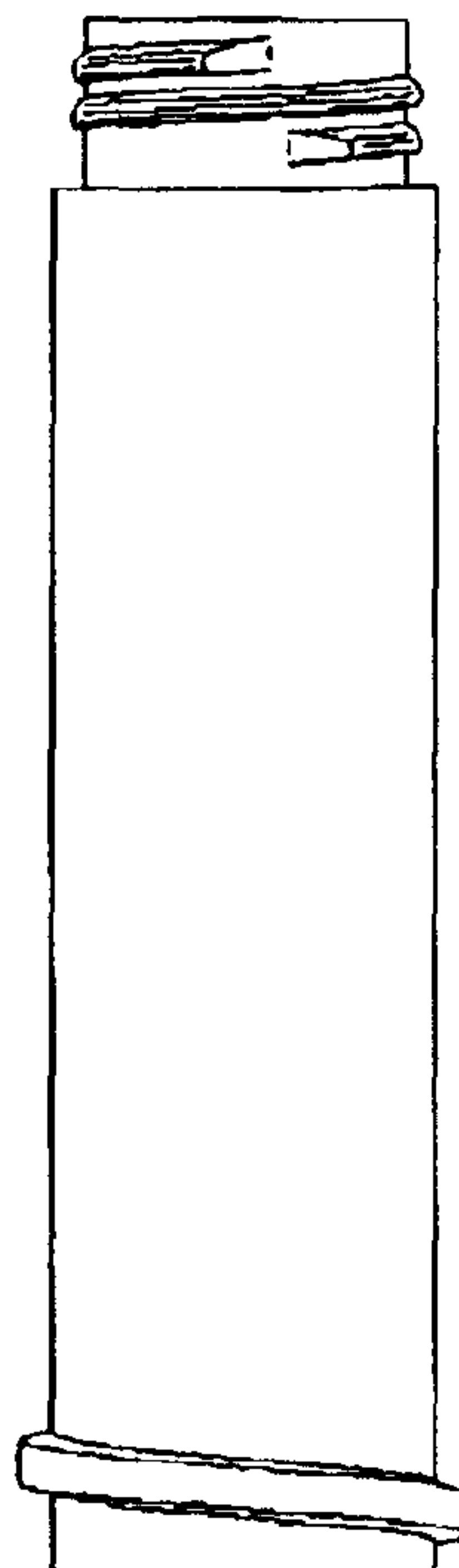
FIG. 3 is a left side view of the cartridge with a bottom left-handed thread for injecting a fluorescent dye or lubricant into an air-conditioning or refrigeration system.

FIG. 4 is a right side view of the cartridge with a bottom left-handed thread for injecting a fluorescent dye or lubricant into an air-conditioning or refrigeration system.

FIG. 5 is a top view of the cartridge with a bottom left-handed thread for injecting a fluorescent dye or lubricant into an air-conditioning or refrigeration system; and,

FIG. 6 is a bottom view of the cartridge with a bottom left-handed thread for injecting a fluorescent dye or lubricant into an air-conditioning or refrigeration system.

**1 Claim, 1 Drawing Sheet**



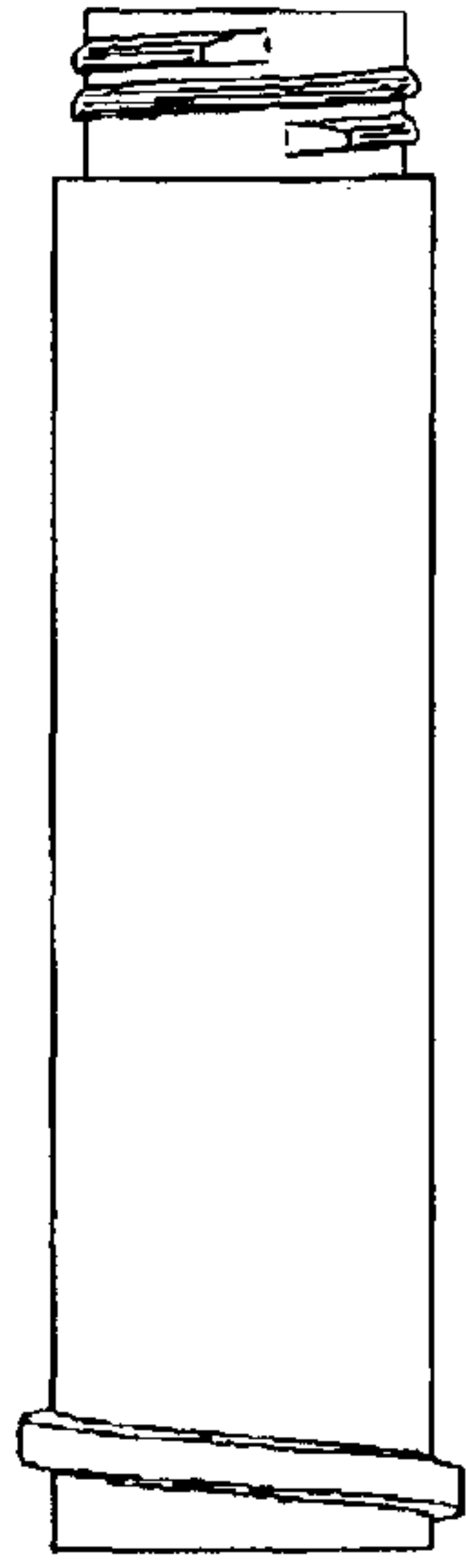


FIGURE 1

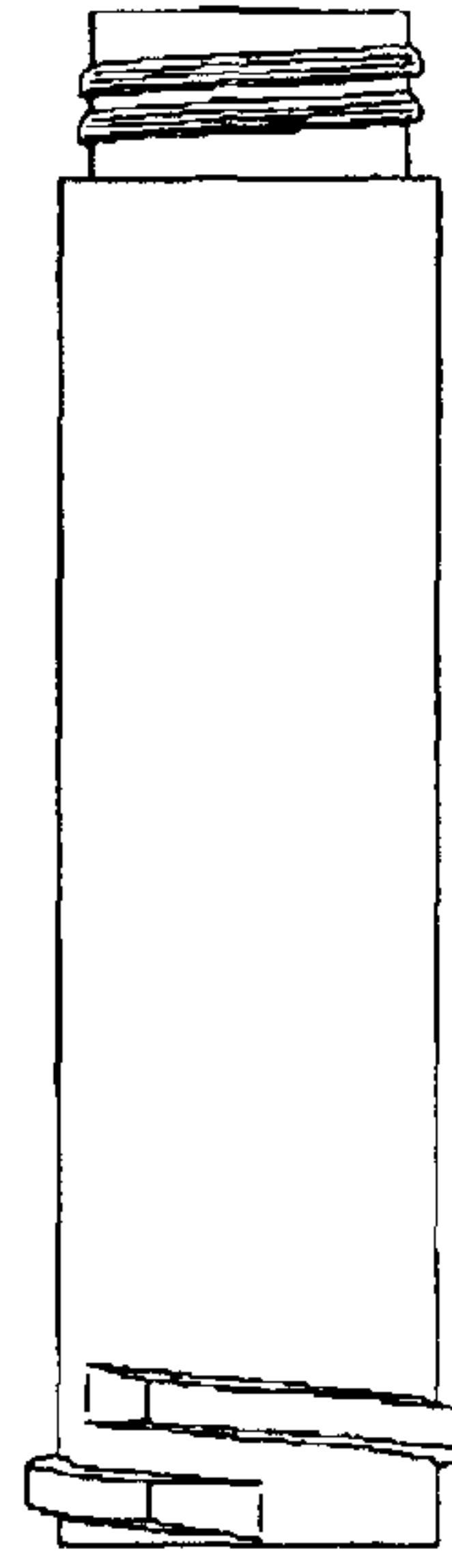


FIGURE 2

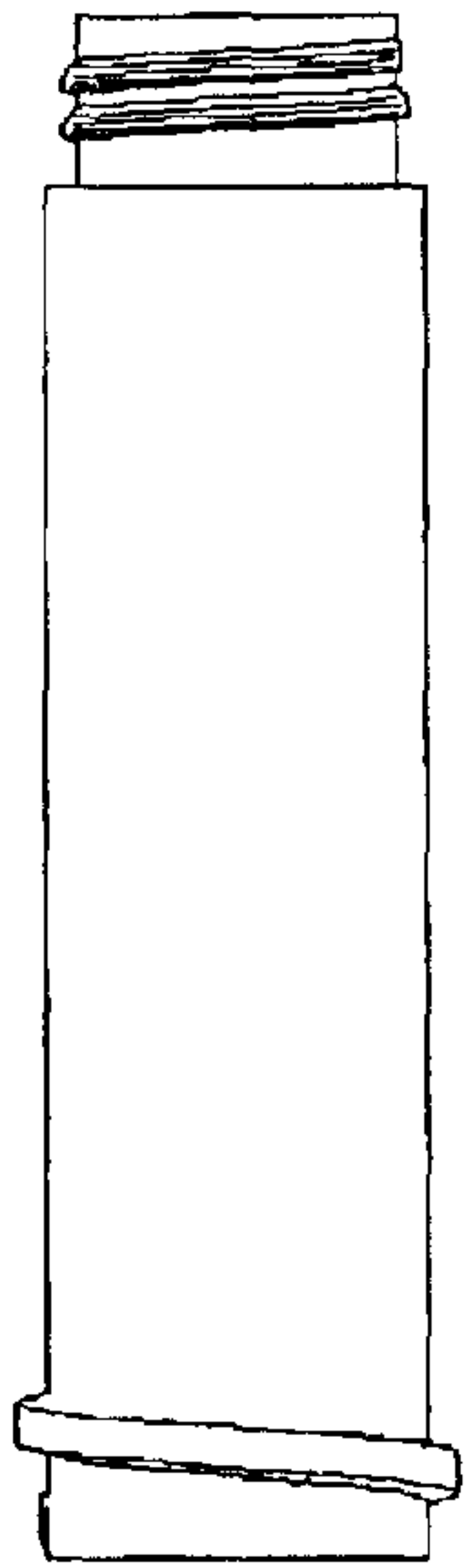


FIGURE 3

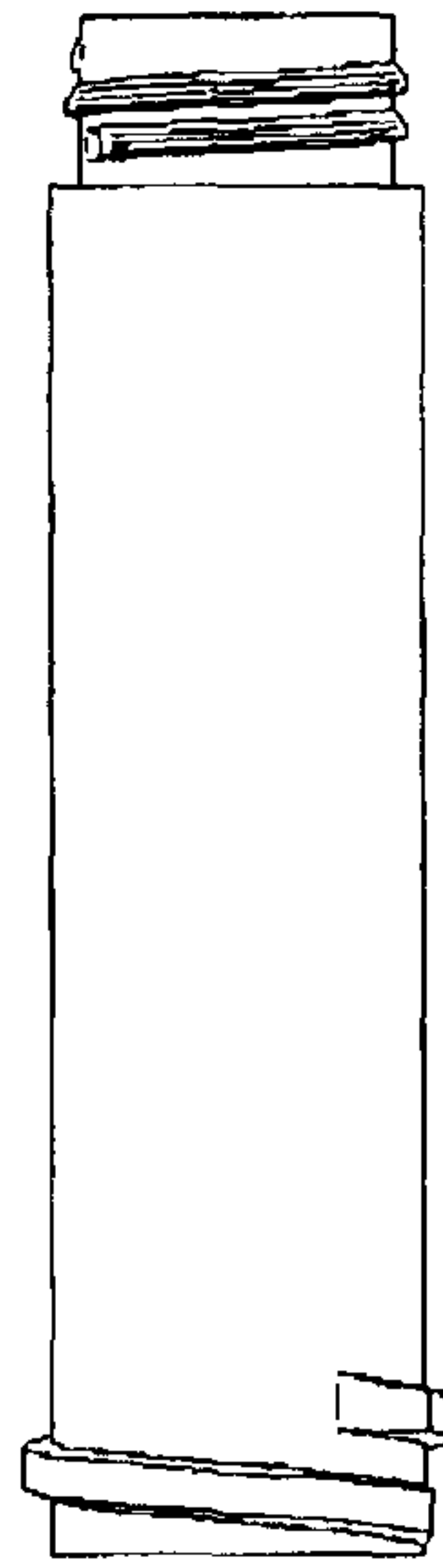


FIGURE 4

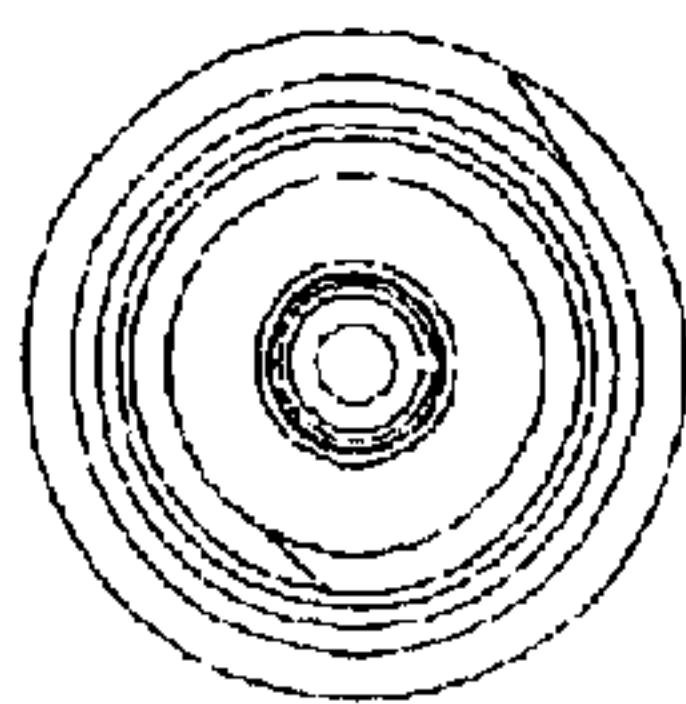


FIGURE 5

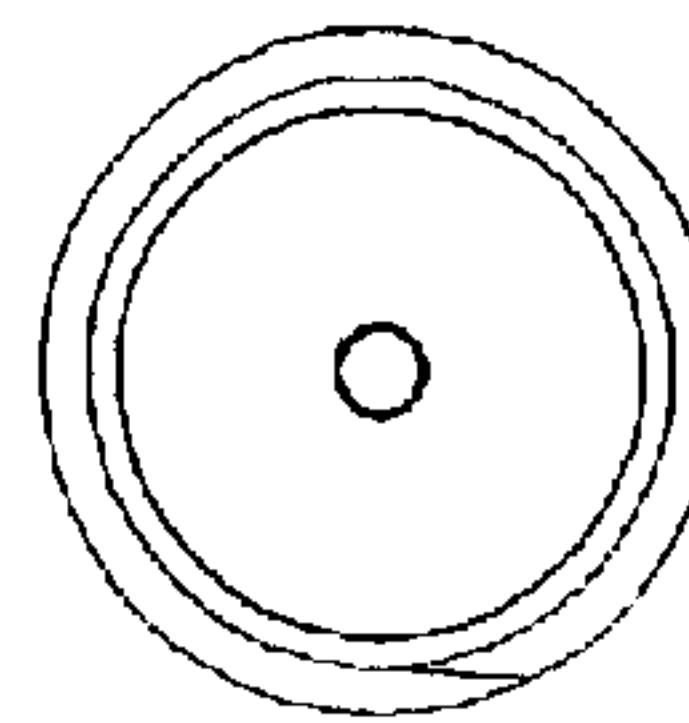


FIGURE 6