



US00D420740S

# United States Patent [19]

[11] **Patent Number: Des. 420,740**

**Gamper et al.**

[45] **Date of Patent: \*\* Feb. 15, 2000**

[54] **POWERED EXTERNAL VACUUM APPLIANCE FOR THE TREATMENT OF IMPOTENCE**

[75] Inventors: **Steven C. Gamper**, Atlanta; **David S. Rowley**, Smyrna; **Stephen J. Flynn**, Peachtree City; **Devin L. Moore**, Decatur; **John A. McMillan**, Atlanta; **John M. Mitchell**, Martinez; **Maureen Carroll**, Atlanta, all of Ga.

[73] Assignee: **Osbon Medical Systems, Ltd.**, Augusta, Ga.

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

[21] Appl. No.: **29/088,641**

[22] Filed: **May 28, 1998**

### Related U.S. Application Data

[62] Division of application No. 29/053,584, Apr. 25, 1996, Pat. No. Des. 398,998.

[51] **LOC (7) Cl. .... 24-02**

[52] **U.S. Cl. .... D24/143**

[58] **Field of Search .... D24/143, 133; 600/38, 41**

### [56] References Cited

#### U.S. PATENT DOCUMENTS

- D. 299,537 1/1989 Morifuji .
- D. 307,478 4/1990 Morifuji .
- D. 330,081 10/1992 Walsh .
- D. 345,420 3/1994 Stewart, Sr. .... D24/143
- D. 346,219 4/1994 Färdigh ..... D24/143
- 1,225,341 5/1917 Lederer ..... 600/38
- 2,874,698 10/1959 Sell .
- 3,744,486 7/1973 Wilson .
- 3,820,533 6/1974 Jones ..... 600/38
- 4,175,554 11/1979 Gerow .
- 4,378,008 3/1983 Osbon, Sr. .
- 4,673,388 6/1987 Schlensog et al. .
- 4,718,411 1/1988 Stewart .
- 4,741,329 5/1988 Marcune .
- 4,753,227 6/1988 Yanuck, Jr. .
- 4,759,747 7/1988 Aida et al. .

(List continued on next page.)

### FOREIGN PATENT DOCUMENTS

- 0148586 7/1985 European Pat. Off. .
- 2658322 6/1978 Germany .
- 2129688 5/1984 United Kingdom .
- 2155792 10/1985 United Kingdom .

### OTHER PUBLICATIONS

“Penile Plethysmography on Impotent Men Using Vacuum Constrictor Devices”; by Marmar, et al.; pp. 198–203, vol. XXXII, No. 3; Sep. 1988.

RFSU Vacuum Pump Active Erection System Instruction Manual and Product Details; 1991, 11 pages.

“Santoprene” Thermoplastic Rubber Specification Sheet, Undated, 1 page.

*Primary Examiner*—Stella Reid

*Attorney, Agent, or Firm*—Burns, Doane, Swecker & Mathis, L.L.P.

### [57] CLAIM

The ornamental design for a powered external vacuum appliance for the treatment of impotence, as shown and described.

### DESCRIPTION

FIG. 1 is a back end elevational view of the vacuum cylinder component of a powered external vacuum appliance for the treatment of impotence, embodying our new design;

FIG. 2 is a top plan view thereof, the bottom plan view being identical thereto;

FIG. 3 is a right side elevational view thereof, the left side elevational view being identical thereto;

FIG. 4 is a front end elevational view thereof;

FIG. 5 is a back end elevational view of the cylinder mount and pump housing component of the powered external vacuum appliance for the treatment of impotence;

FIG. 6 is a right side elevational view thereof, the left side elevational view being identical thereto;

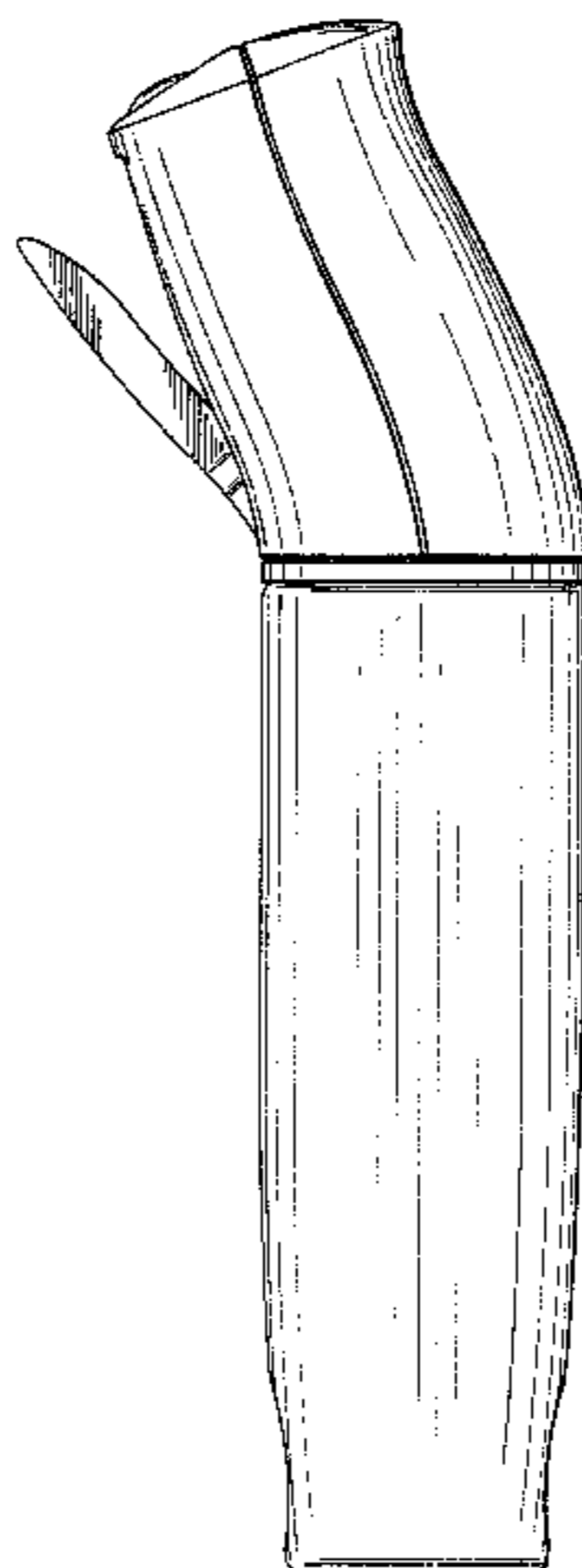
FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a front end elevational view thereof; and,

FIG. 10 is a right side elevational view of the vacuum cylinder component and the cylinder mount and pump housing component in combined condition.

**1 Claim, 3 Drawing Sheets**



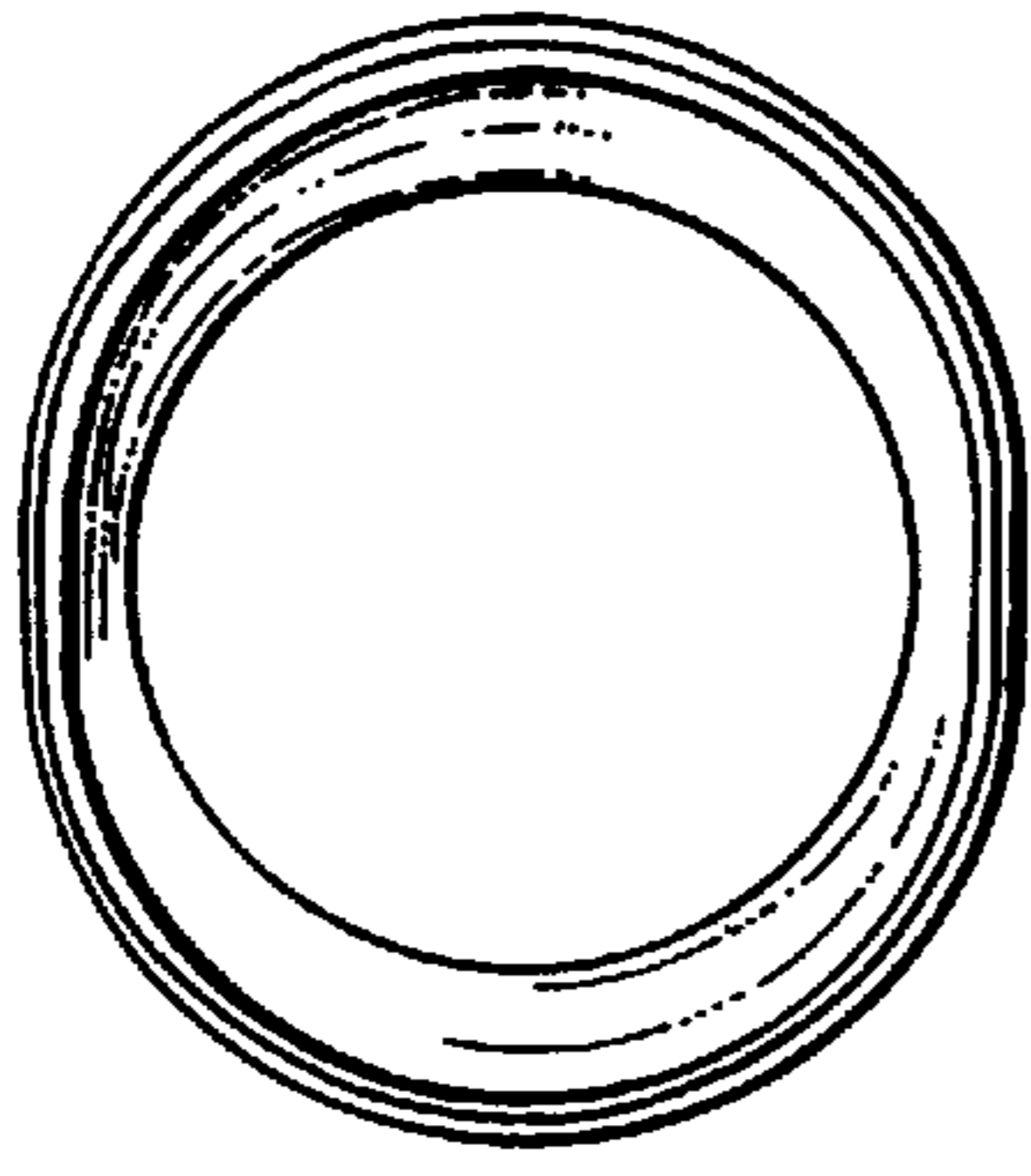
# Des. 420,740

Page 2

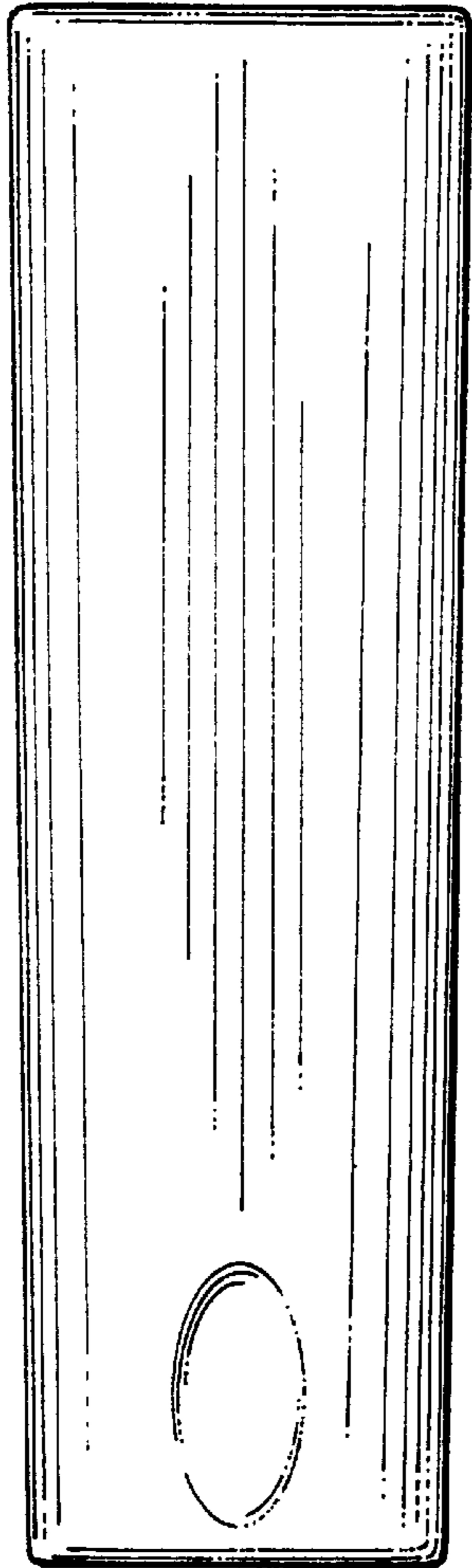
---

## U.S. PATENT DOCUMENTS

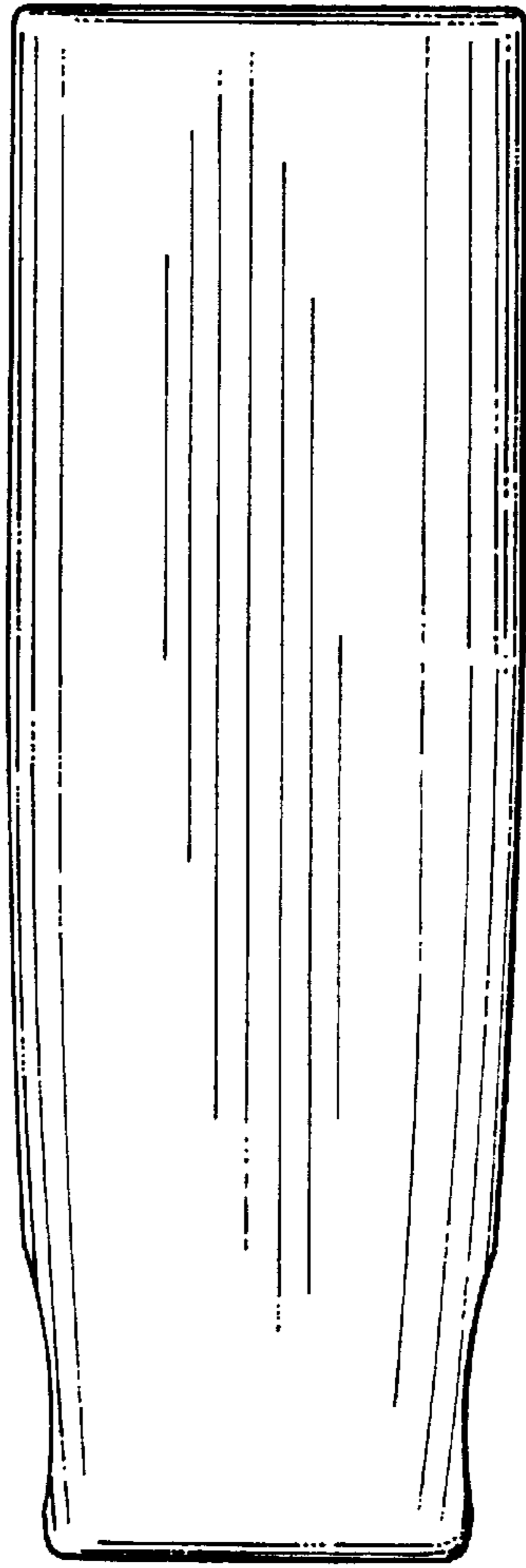
4,856,498	8/1989	Osbon .	5,095,895	3/1992	Walsh .	
4,856,499	8/1989	Kelly .	5,115,800	5/1992	Matejevic et al. .	
4,883,464	11/1989	Morifuki .	5,195,943	3/1993	Chaney .	
4,886,494	12/1989	Morifuji .	5,213,563	5/1993	Cox .	
5,020,522	6/1991	Stewart .	5,244,453	9/1993	Osbon et al. .	
			5,421,808	6/1995	Osbon et al. .	
			5,624,378	4/1997	Baldecchi .....	600/38
			5,683,383	11/1997	Russell et al. ....	600/41 X



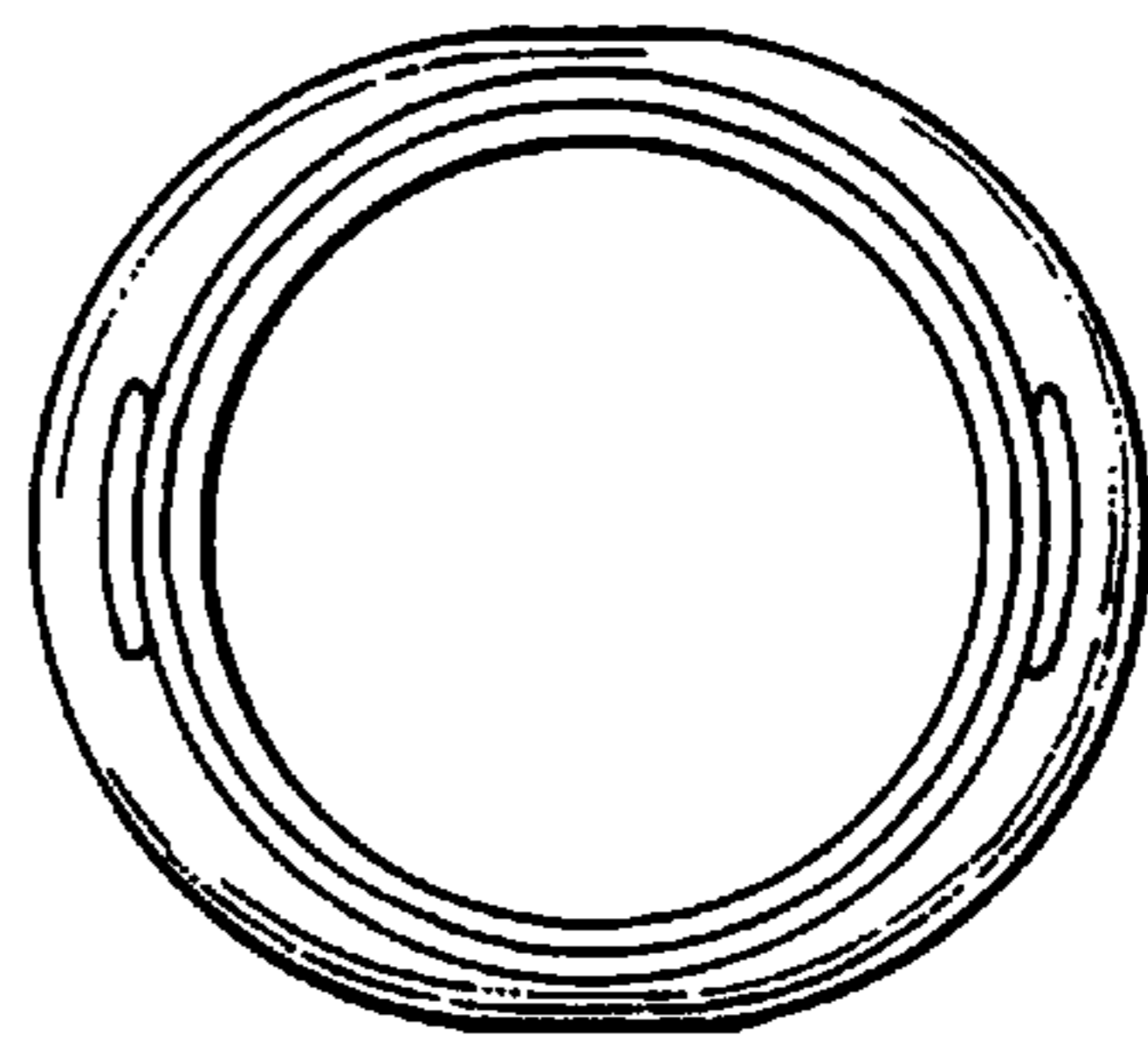
*Fig. 1*



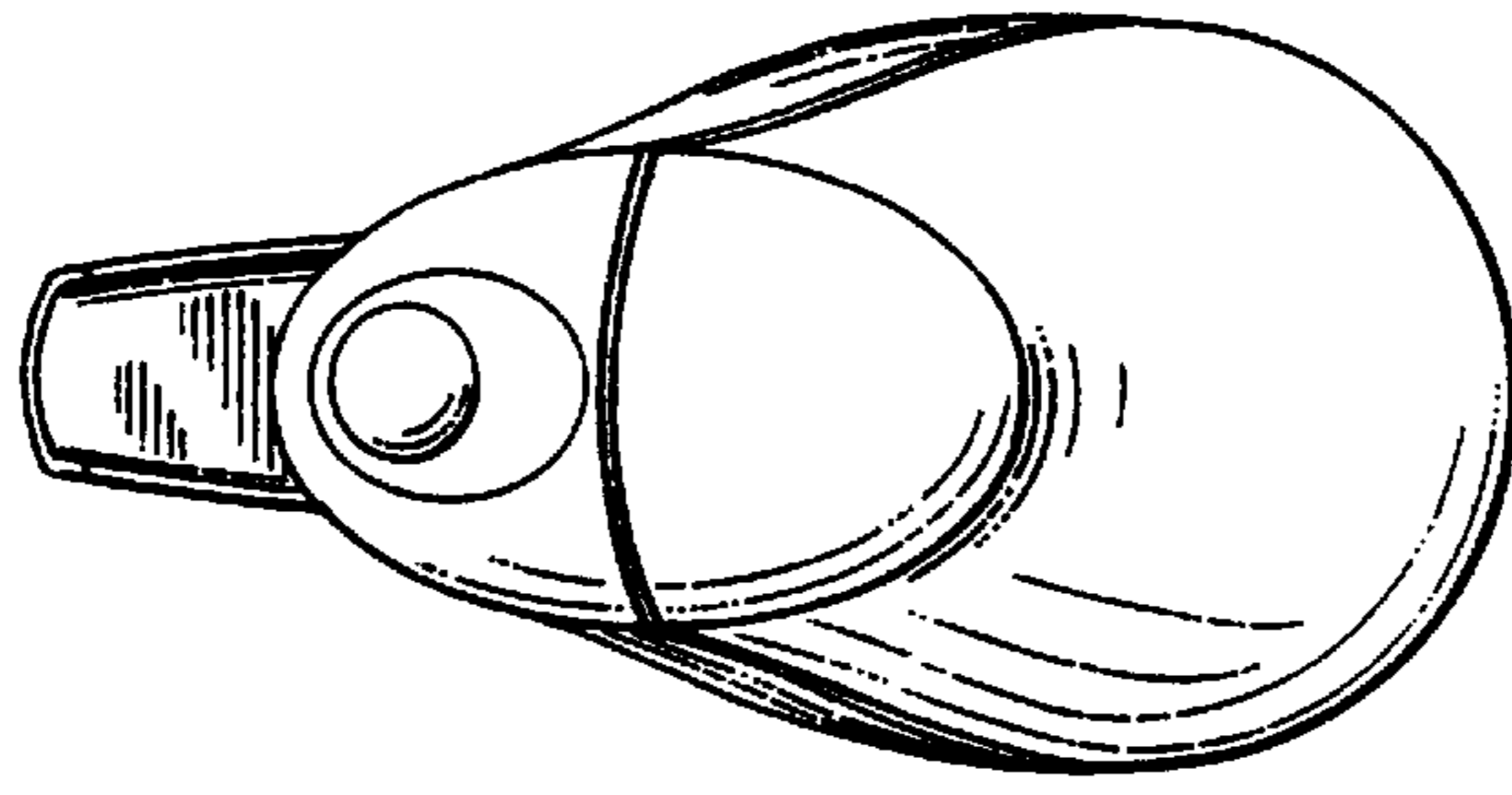
*Fig. 2*



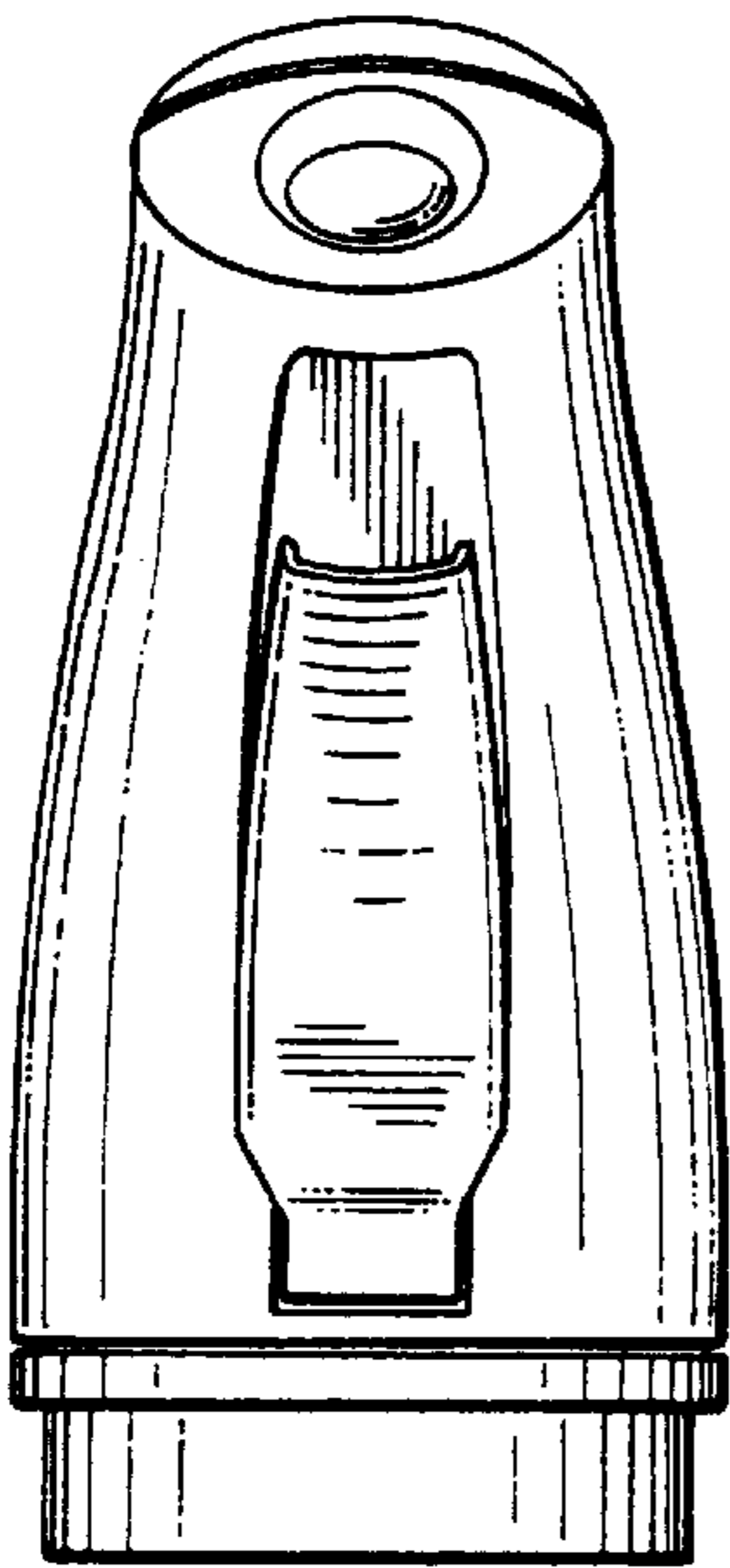
*Fig. 3*



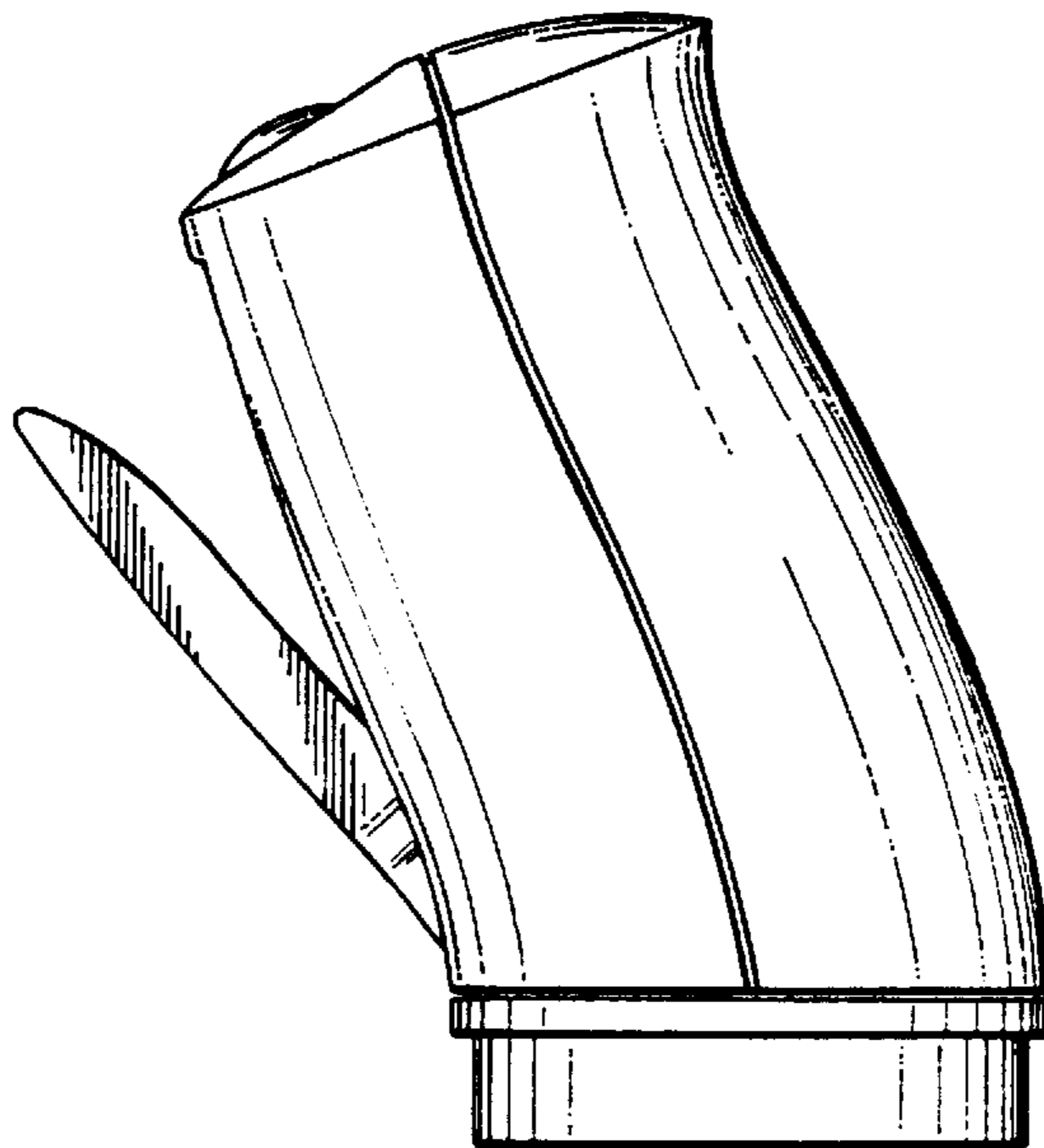
*Fig. 4*



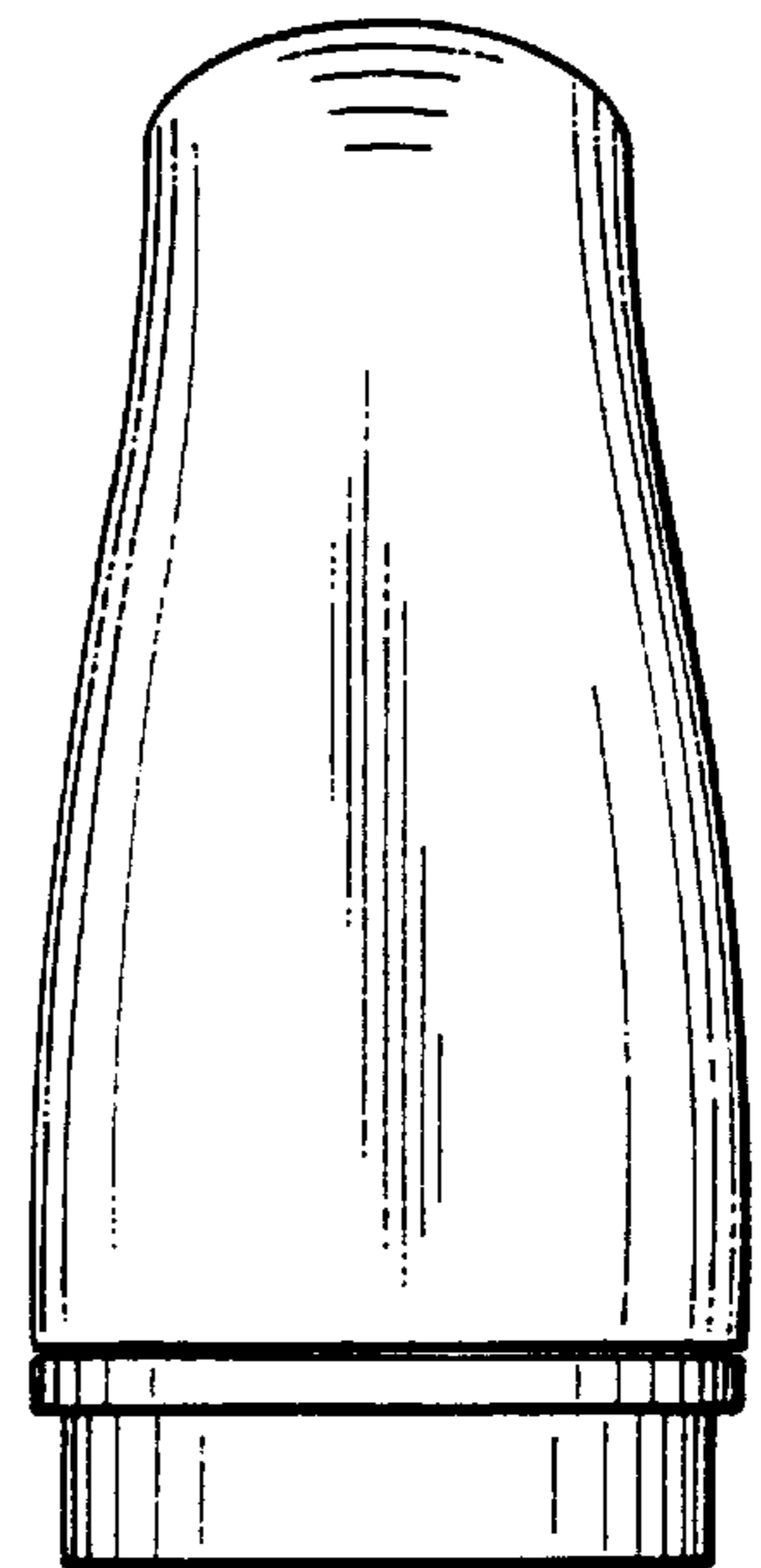
*Fig. 5*



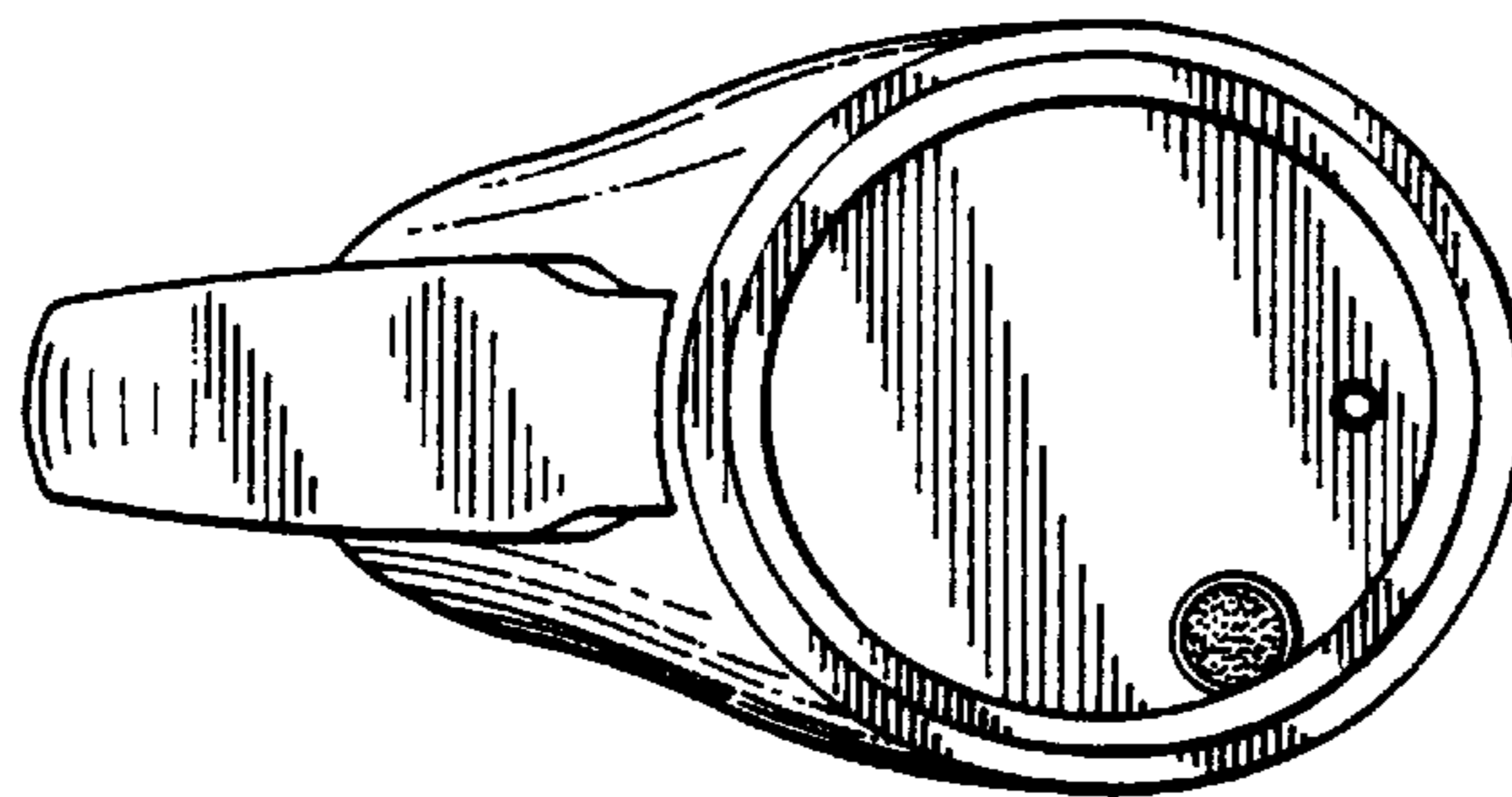
*Fig. 7*



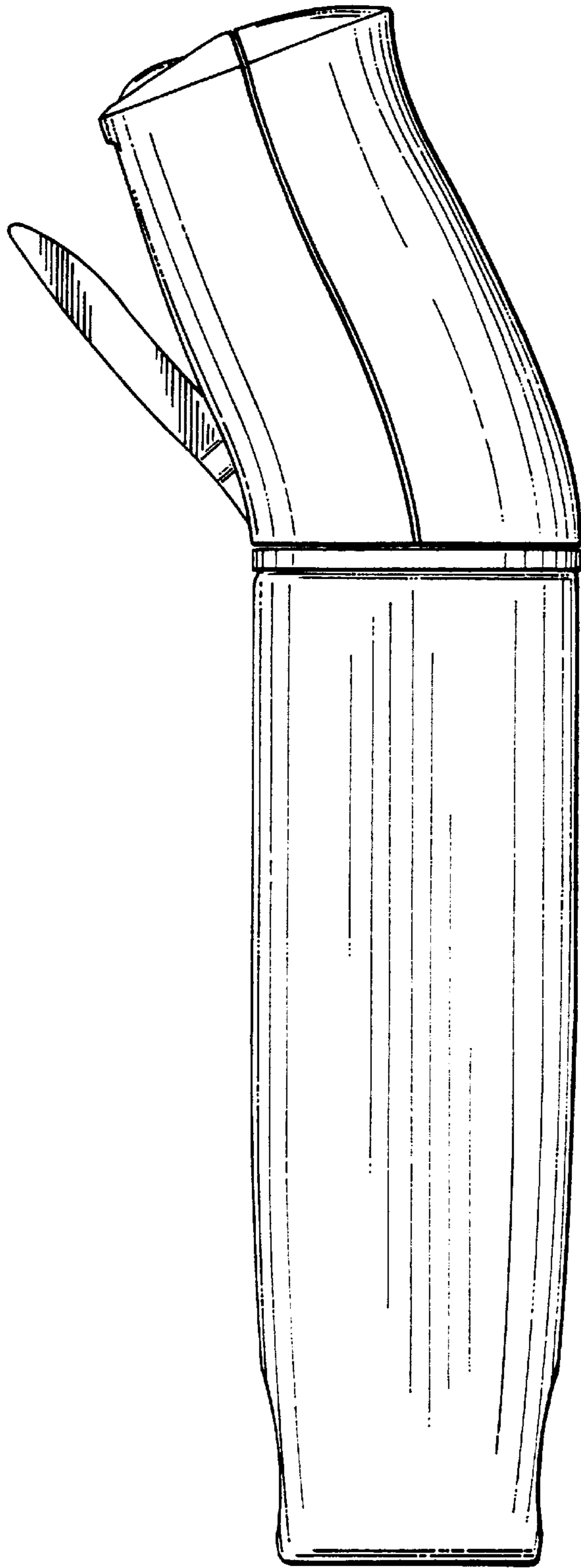
*Fig. 6*



*Fig. 8*



*Fig. 9*



*Fig. 10*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : Des. 420,740  
DATED : February 15, 2000  
INVENTOR(S) : Gamper et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Item [56].

Attorney, Agent, or Firm: "Burns, Doane, Swecker & Mathis, L.L.P." should read --  
Merchant & Gould P.C. --

Signed and Sealed this  
Eleventh Day of September, 2001

Attest:

*Nicholas P. Godici*

Attesting Officer

NICHOLAS P. GODICI  
Acting Director of the United States Patent and Trademark Office