



US00D383574S

# United States Patent [19]

Saimen et al.

[11] Patent Number: **Des. 383,574**

[45] Date of Patent: **\*\*Sep. 9, 1997**

[54] **VACUUM CLEANER**

[75] Inventors: **Tadahiko Saimen**, Nara-ken; **Mika Nakajima**, Soraku-gun, both of Japan

[73] Assignee: **Sharp Kabushiki Kaisha**, Osaka, Japan

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

[21] Appl. No.: **50,417**

[22] Filed: **Feb. 20, 1996**

### [30] Foreign Application Priority Data

Aug. 30, 1995 [JP] Japan ..... 7-25439

[51] LOC (6) Cl. .... **15-05**

[52] U.S. Cl. .... **D32/22**

[58] Field of Search ..... D32/21, 22; 15/347, 15/335, 350, 351, 344, 329, 412, 361

### [56] References Cited

#### U.S. PATENT DOCUMENTS

- D. 306,087 2/1990 Woodhall et al. .... D32/22
- D. 306,225 2/1990 Correa ..... D32/22

- D. 342,591 12/1993 Shoji et al. .... D32/22
- D. 354,379 1/1995 Shinozaki ..... D32/22
- D. 371,652 7/1996 Umbach ..... D32/22
- 5,524,321 6/1996 Weaver et al. .... D32/22

*Primary Examiner*—Ruth McInroy  
*Attorney, Agent, or Firm*—Nixon & Vanderhye

### [57] CLAIM

The ornamental design for a vacuum cleaner, as shown and described.

### DESCRIPTION

FIG. 1 is a top, front and right side perspective view of a vacuum cleaner showing our new design;  
 FIG. 2 is a left side elevational view thereof;  
 FIG. 3 is a rear elevational view thereof;  
 FIG. 4 is a front elevational view thereof;  
 FIG. 5 is a right side elevational view thereof;  
 FIG. 6 is a top plan view thereof;  
 FIG. 7 is a bottom plan view thereof; and,  
 FIG. 8 is a right side elevational view of the vacuum cleaner body tilted backward and the handle unfolded and extended.

**1 Claim, 5 Drawing Sheets**

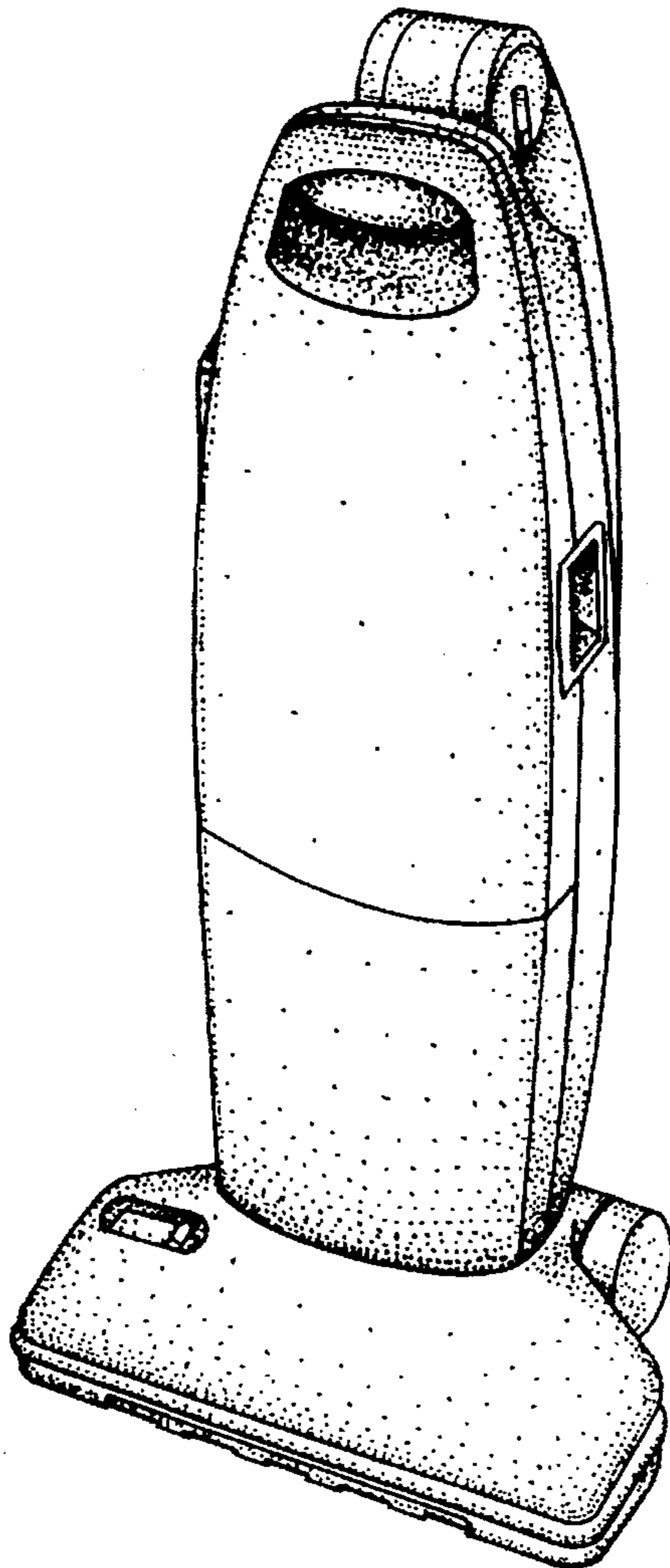
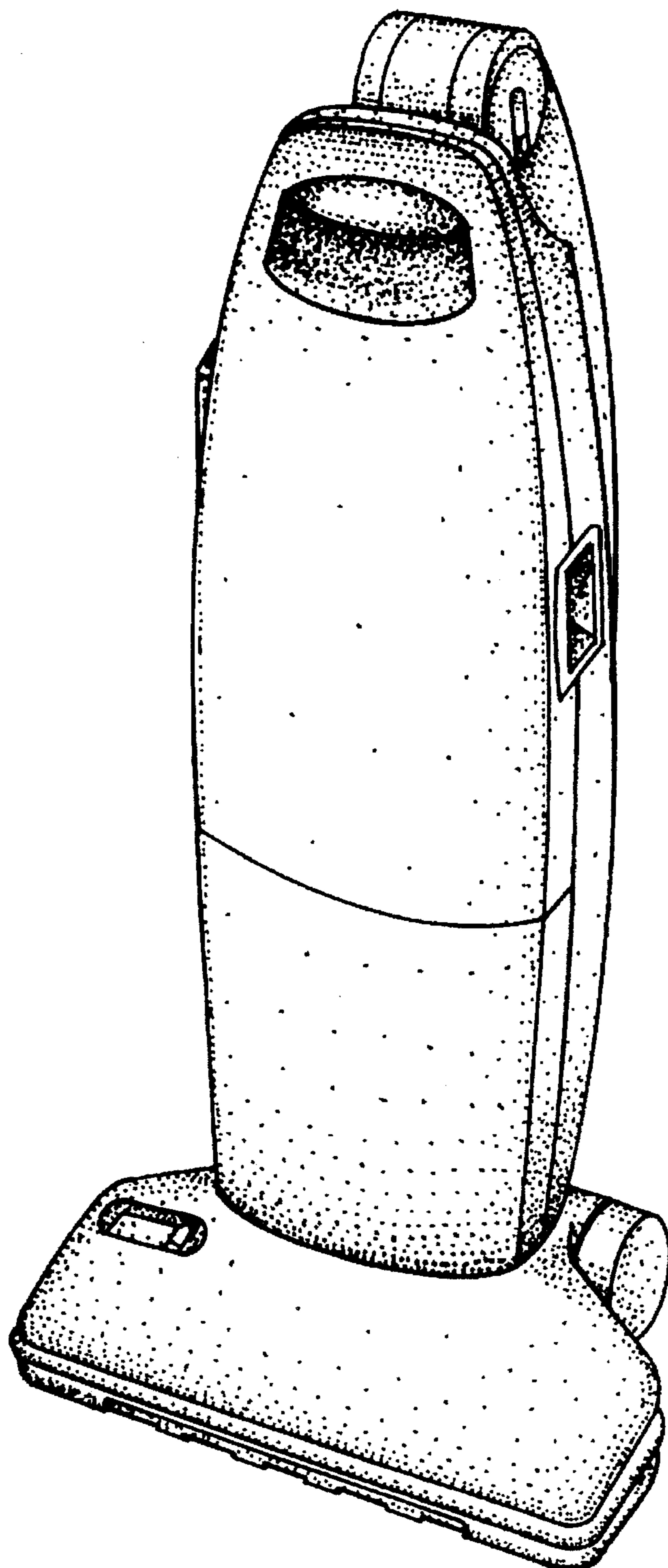


FIG. 1



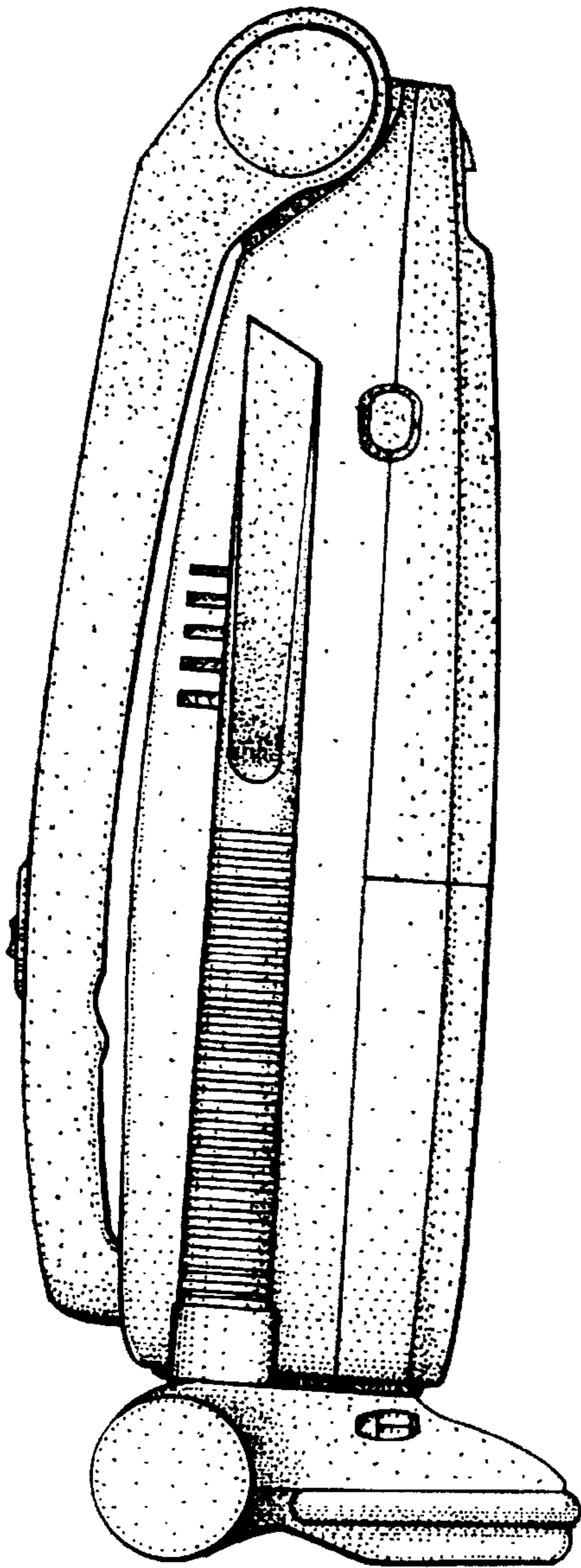


FIG. 2

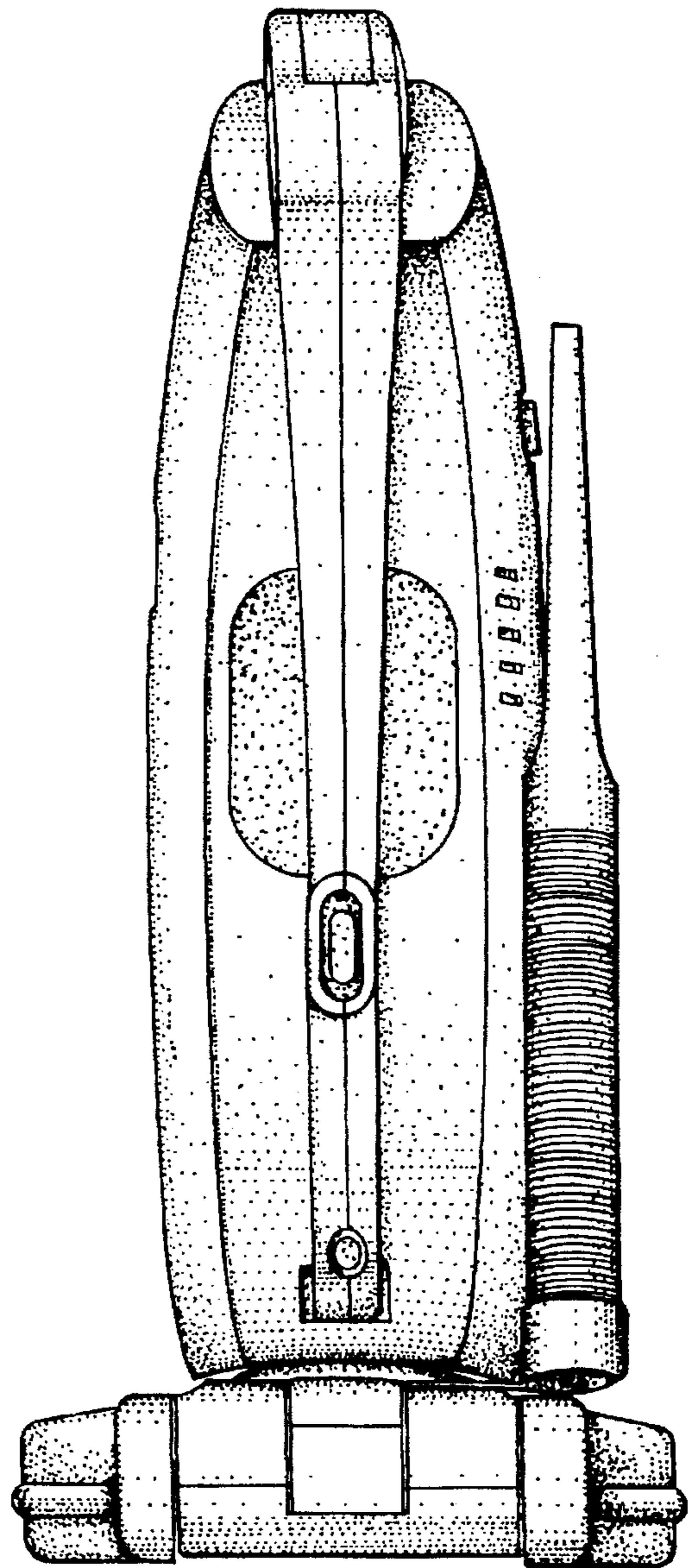


FIG. 3



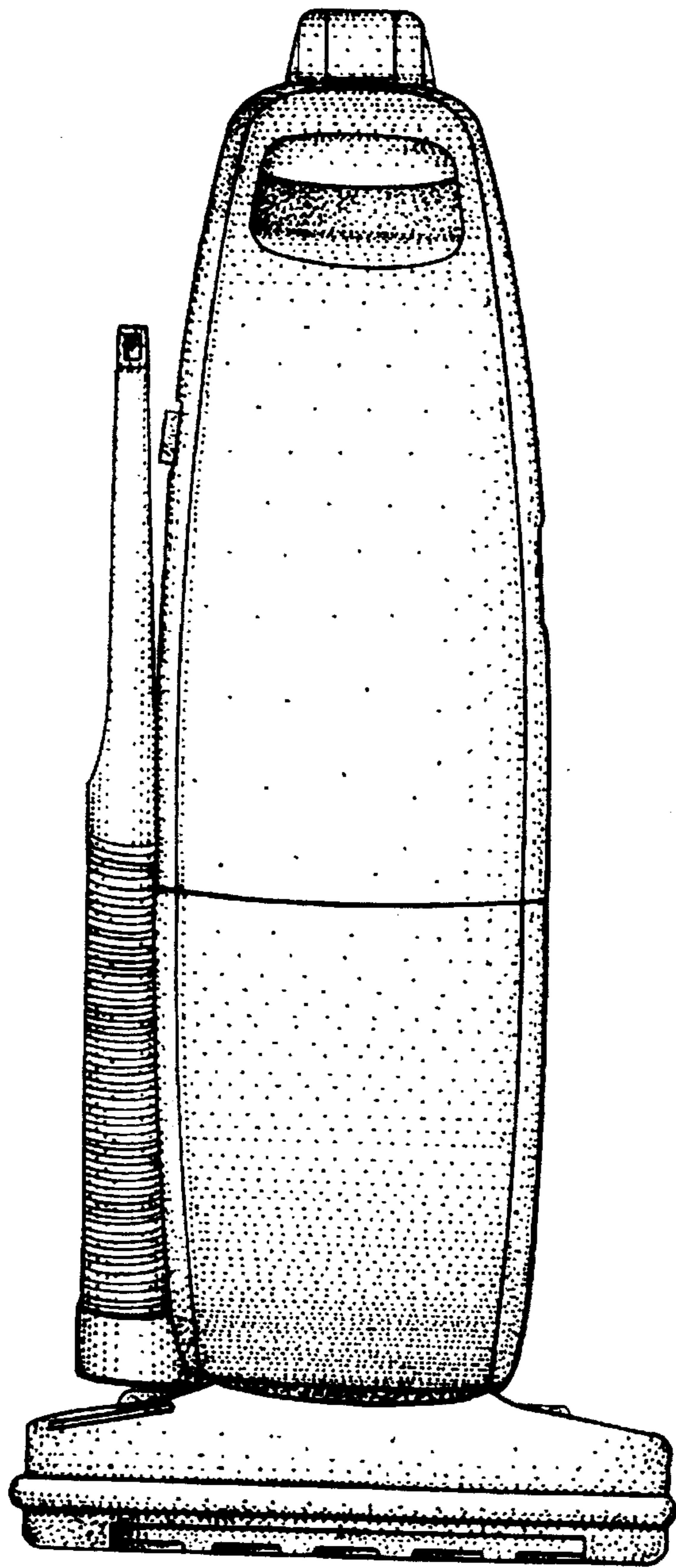


FIG. 4

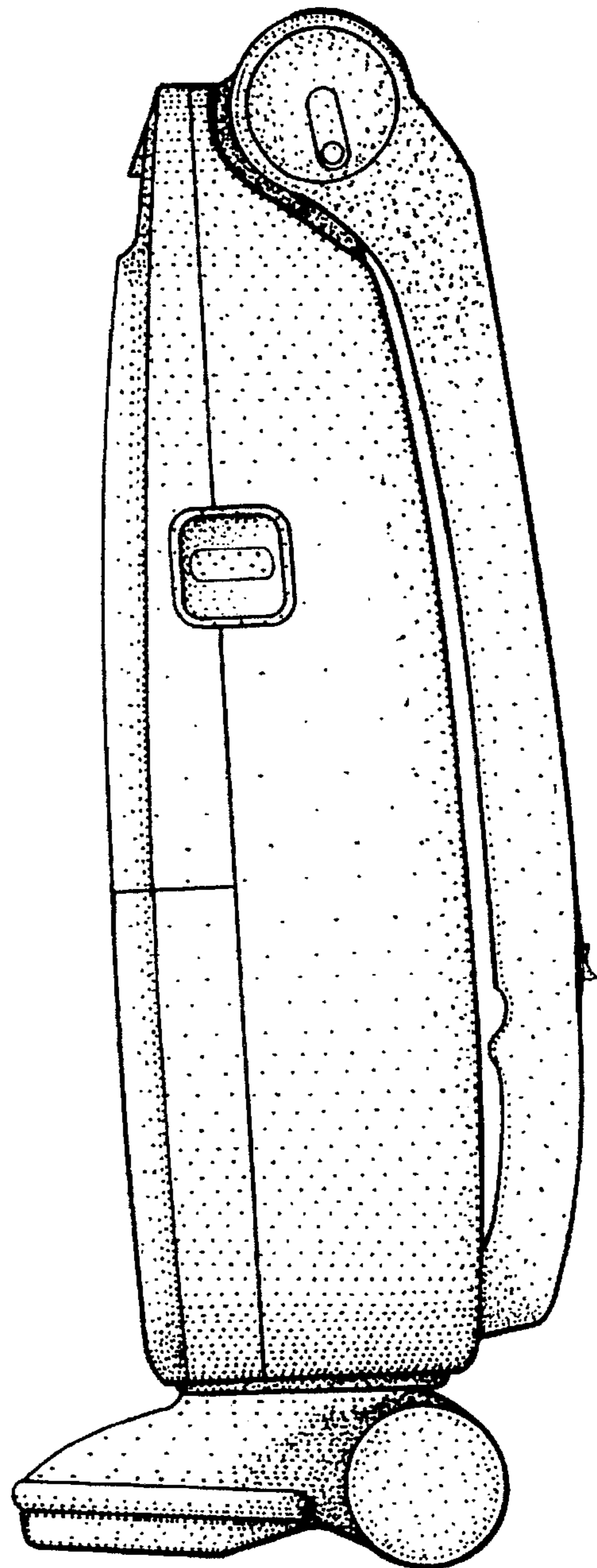


FIG. 5

FIG. 6

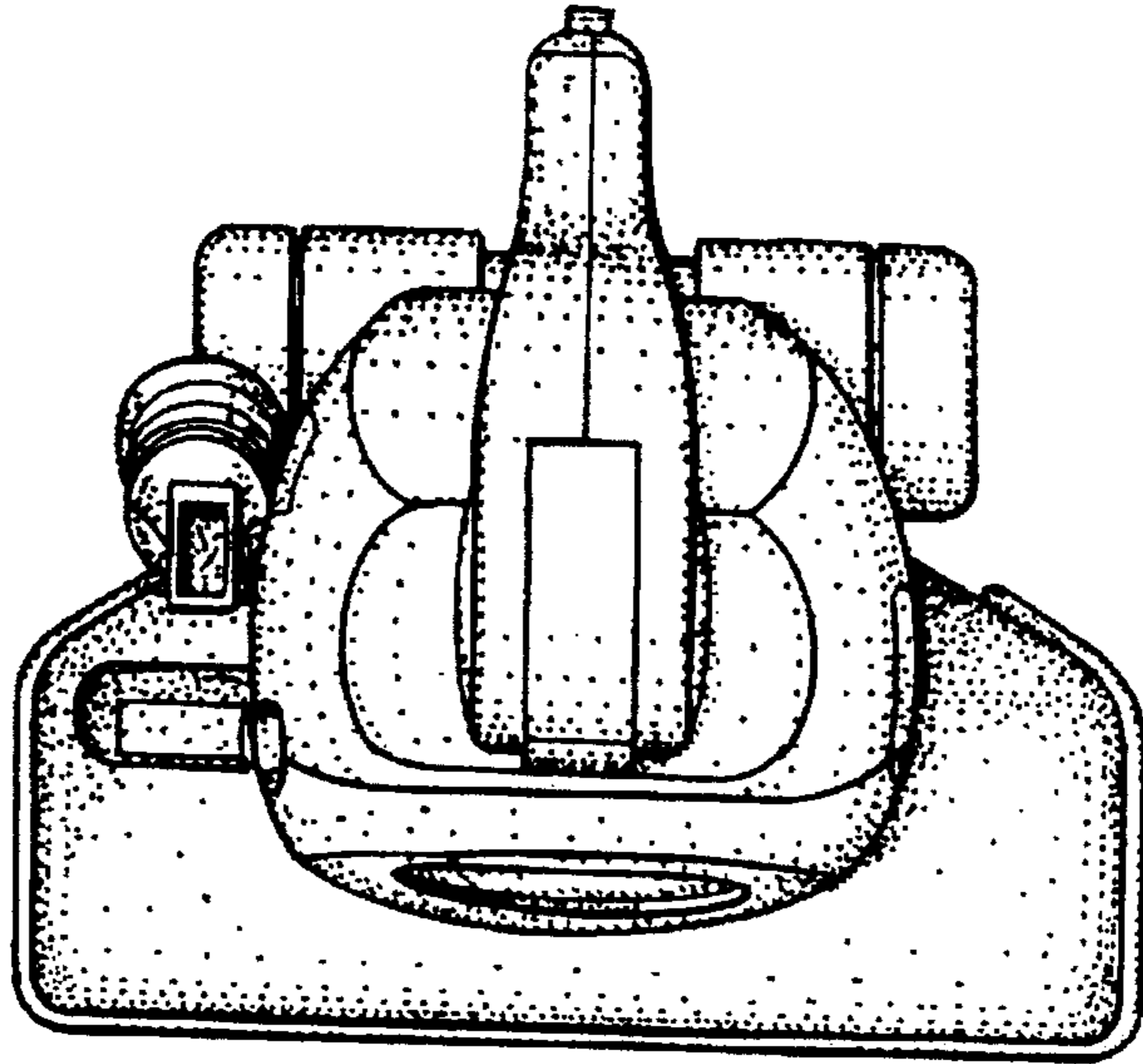


FIG. 7

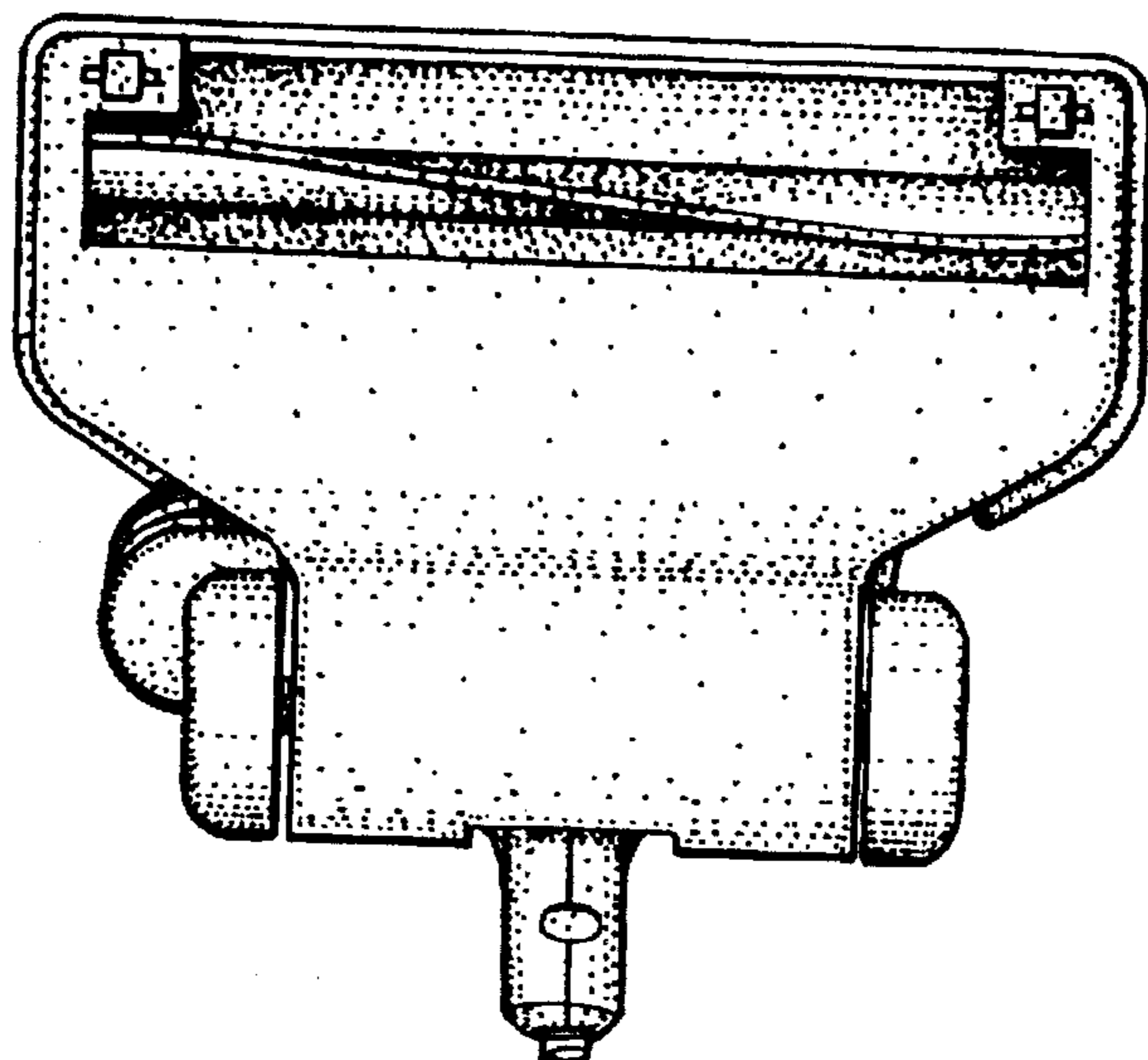


FIG .8

