



US00D437666S

(12) **United States Design Patent**
Park

(10) **Patent No.:** **US D437,666 S**

(45) **Date of Patent:** **** Feb. 13, 2001**

(54) **VACUUM CLEANER**

(75) Inventor: **Sung Chul Park**, Seoul (KR)

(73) Assignee: **Daewoo Electronics Co, Ltd.**, Seoul (KR)

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

(21) Appl. No.: **29/107,192**

(22) Filed: **Jul. 1, 1999**

(51) **LOC (7) Cl.** **15-05**

(52) **U.S. Cl.** **D32/22**

(58) **Field of Search** D32/21-24, 25,
D32/31; 15/320-321, 353, 327.1, 327.2,
327.3, 327.4, 327.6, 327.7, 350-352, 344,
329

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D. 354,593 * 1/1995 Koike D32/22
- D. 370,321 * 5/1996 Robinette et al. D32/22
- D. 383,574 * 9/1997 Saimen et al. D32/22
- D. 399,618 * 10/1998 Jacobs D32/22

- D. 418,266 * 12/1999 Medema et al. D32/22
- D. 419,730 * 1/2000 Diebel et al. D32/22
- D. 421,164 * 2/2000 Luebbering D32/22

* cited by examiner

Primary Examiner—Ruth McInroy

(74) *Attorney, Agent, or Firm*—Pennie & Edmonds LLP

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a vacuum cleaner showing my new design;
 FIG. 2 is a front elevational view thereof;
 FIG. 3 is a rear elevational view thereof;
 FIG. 4 is a top plan view thereof;
 FIG. 5 is a bottom plan view thereof;
 FIG. 6 is a left side elevational view thereof; and
 FIG. 7 is a right side elevational view thereof; and,
 FIG. 8 is a right side elevational view thereof in a folded position.

1 Claim, 5 Drawing Sheets

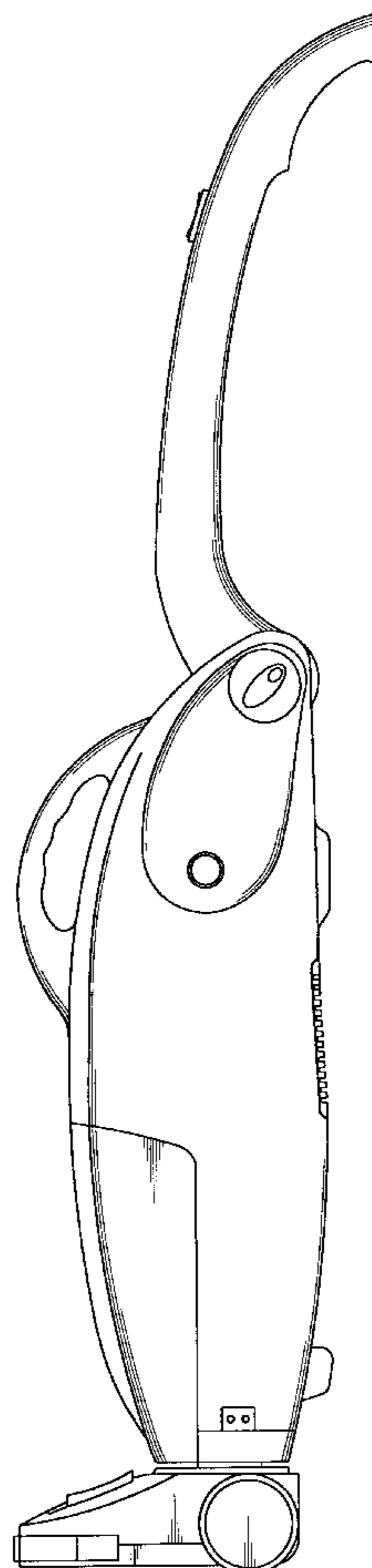
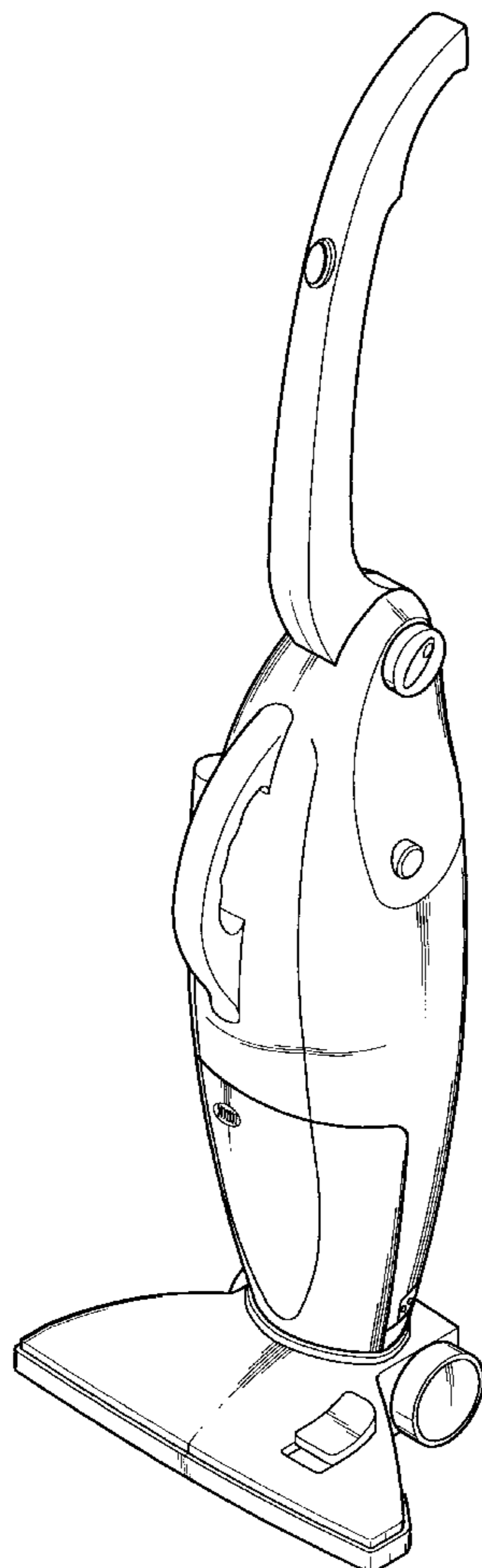


FIG. 1

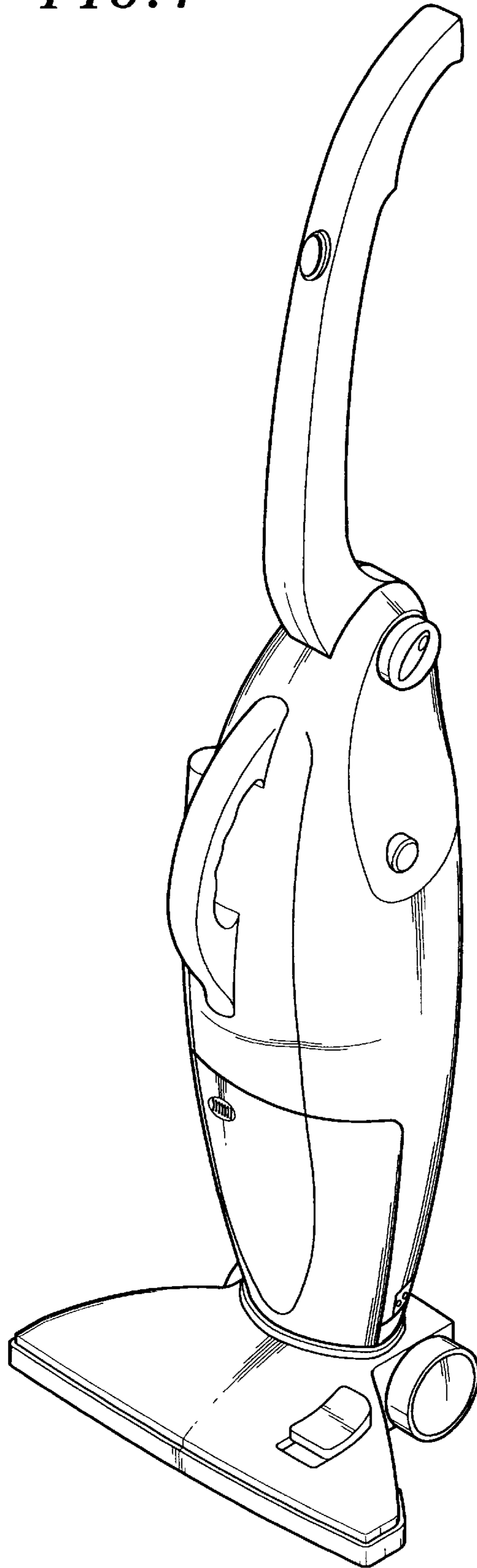


FIG. 2

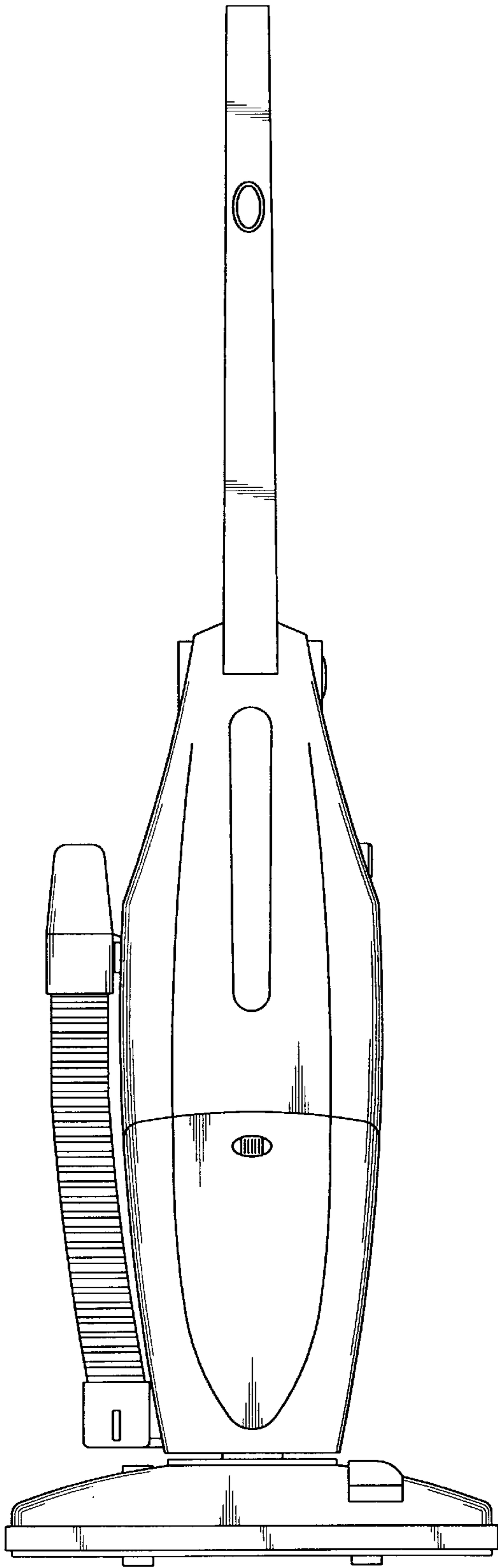


FIG. 3

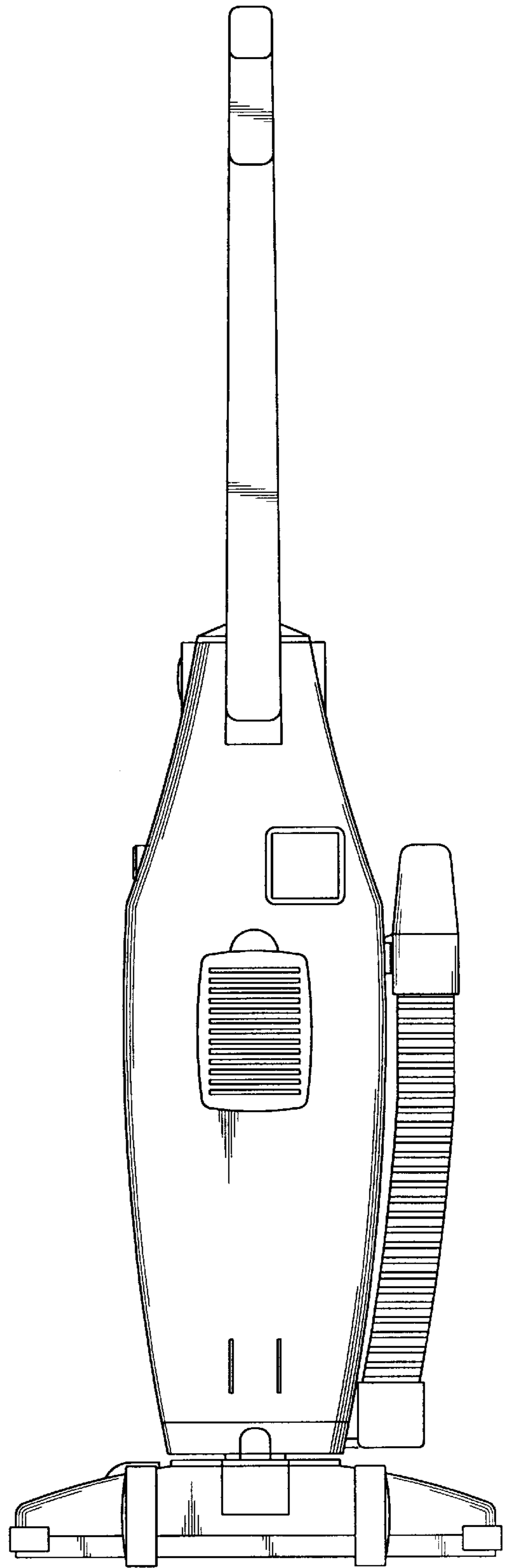


FIG. 4

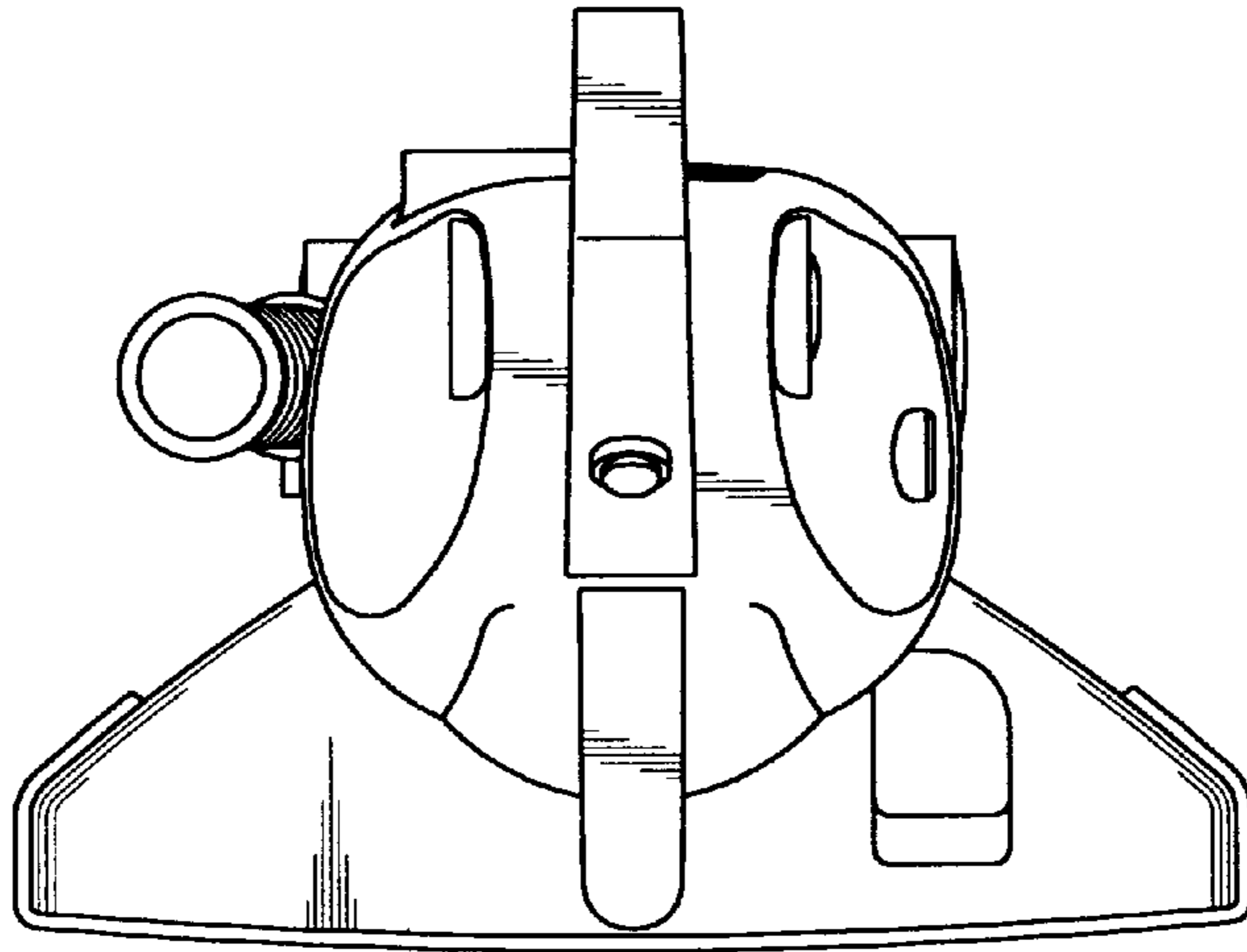


FIG. 5

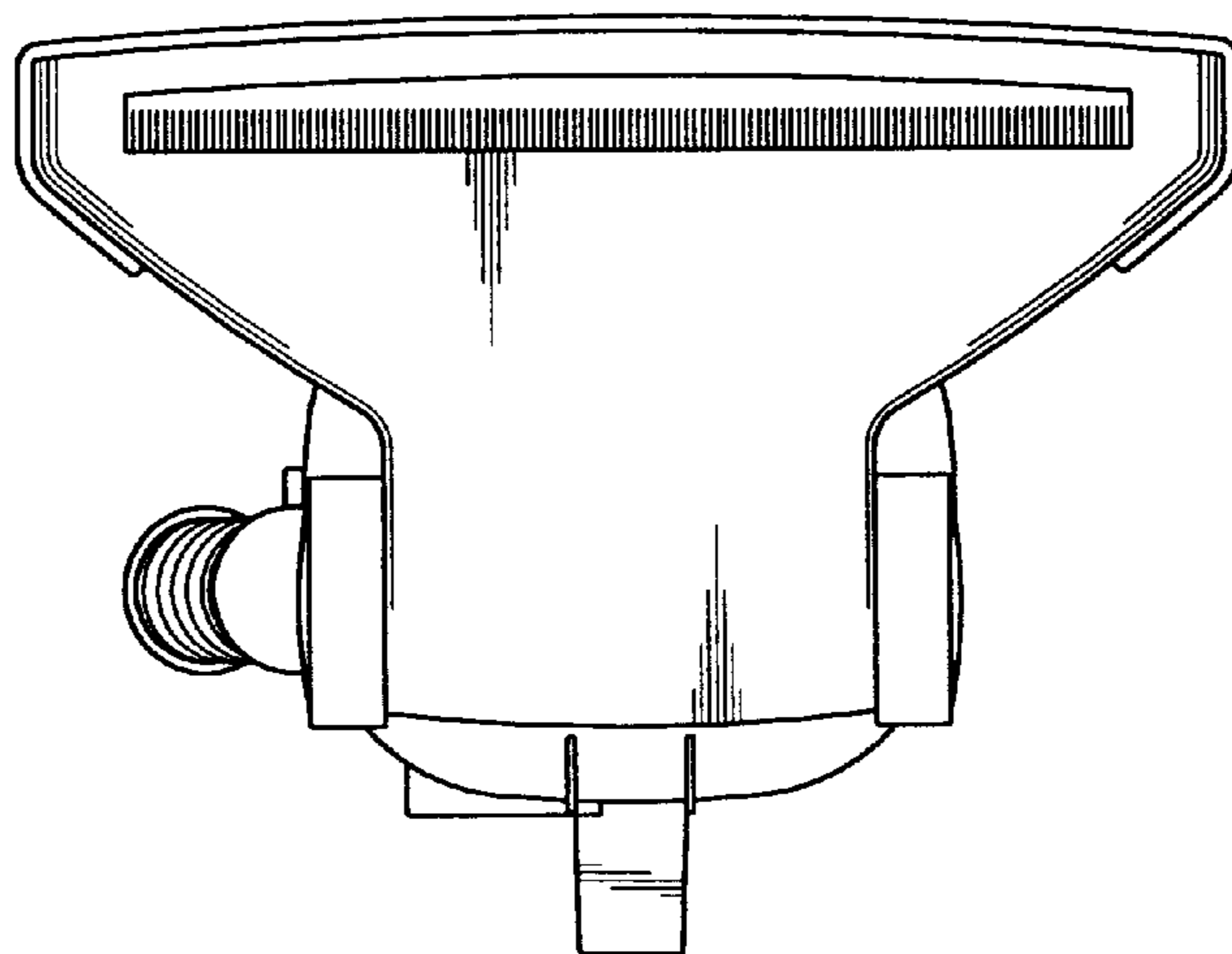


FIG. 6

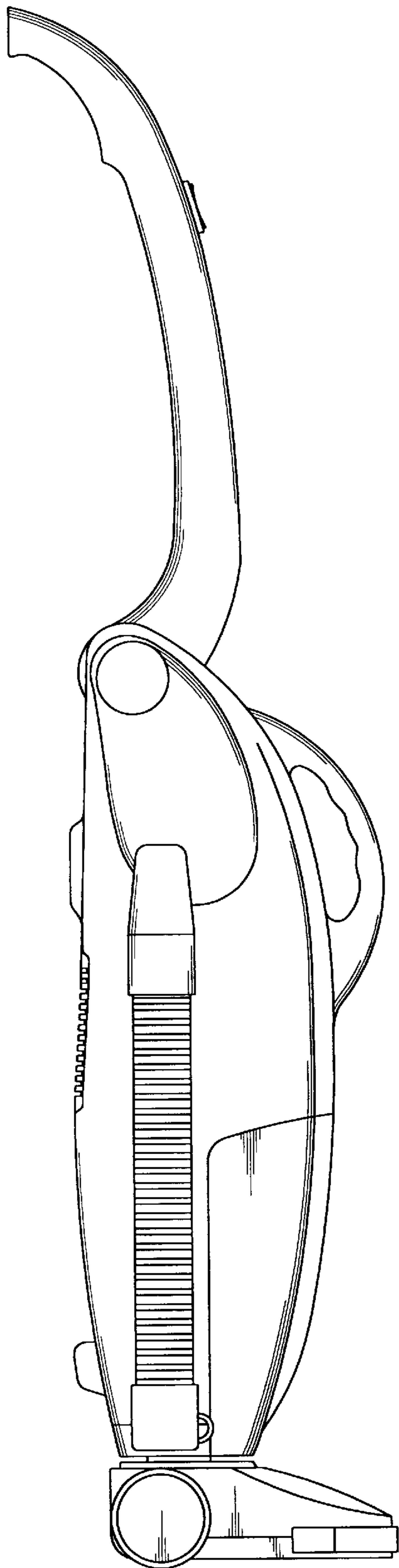


FIG. 7

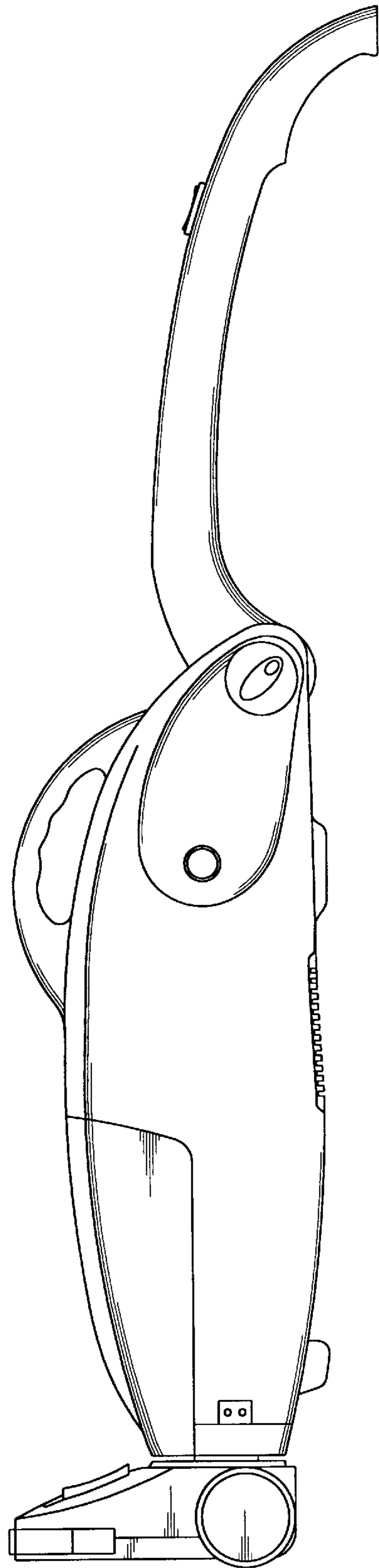


FIG. 8

