



US00D440365S

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

(10) **Patent No.: US D440,365 S**

(45) **Date of Patent: \*\* Apr. 10, 2001**

(54) **LOWER HANDLE PORTION OF A VACUUM CLEANER**

(75) Inventors: **Robert A. Salo; Charles J. Thur**, both of Mentor; **Jeffrey M. Kalman**, Cleveland Heights; **Craig M. Saunders**, Rocky River; **Cynthia M. Caffoe**, Cleveland Heights, all of OH (US)

(73) Assignee: **Royal Appliance Mfg. Co.**, Cleveland, OH (US)

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

(21) Appl. No.: **29/116,864**

(22) Filed: **Jan. 12, 2000**

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

(52) **U.S. Cl. .... D32/31**

(58) **Field of Search** ..... D32/21, 22, 25, D32/31-34; 15/347, 350, 352, 353, 335, 337, 320-322, 361, 379, 400, 410, 415.1-422.1; 180/19.3; 403/91, 96, 103, 165

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D. 343,707 1/1994 Dyson .
- D. 365,179 \* 12/1995 Bradd ..... D32/31
- D. 375,820 11/1996 Piccaluga et al. .
- D. 387,518 \* 12/1997 Medema ..... D32/22
- D. 388,915 \* 1/1998 Wareham ..... D32/31

- D. 391,702 \* 3/1998 Wareham et al. .... D32/31
- D. 400,324 \* 10/1998 Bobrosky et al. .... D32/31
- D. 403,482 \* 12/1998 Essex et al. .... D32/31
- D. 412,379 \* 7/1999 Stephens et al. .... D32/31
- D. 422,388 \* 4/2000 Roberts et al. .... D32/31
- 5,608,946 3/1997 Rennecker et al. .

\* cited by examiner

*Primary Examiner*—Ruth McInroy

(74) *Attorney, Agent, or Firm*—Fay, Sharpe, Fagan, Minnich & McKee, LLP

(57) **CLAIM**

The ornamental design for a lower handle portion of a vacuum cleaner, as shown and described.

**DESCRIPTION**

FIG. 1 shows a perspective view of the lower handle portion of a vacuum cleaner showing our new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a right side elevational view thereof; FIG. 4 is a left side elevational view thereof; FIG. 5 is a rear elevational view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof.

The vacuum cleaner illustrated in broken lines in FIG. 1 shows the environment in which the lower handle portion of a vacuum cleaner according to the present invention is used and forms no part of the claimed design.

**1 Claim, 4 Drawing Sheets**

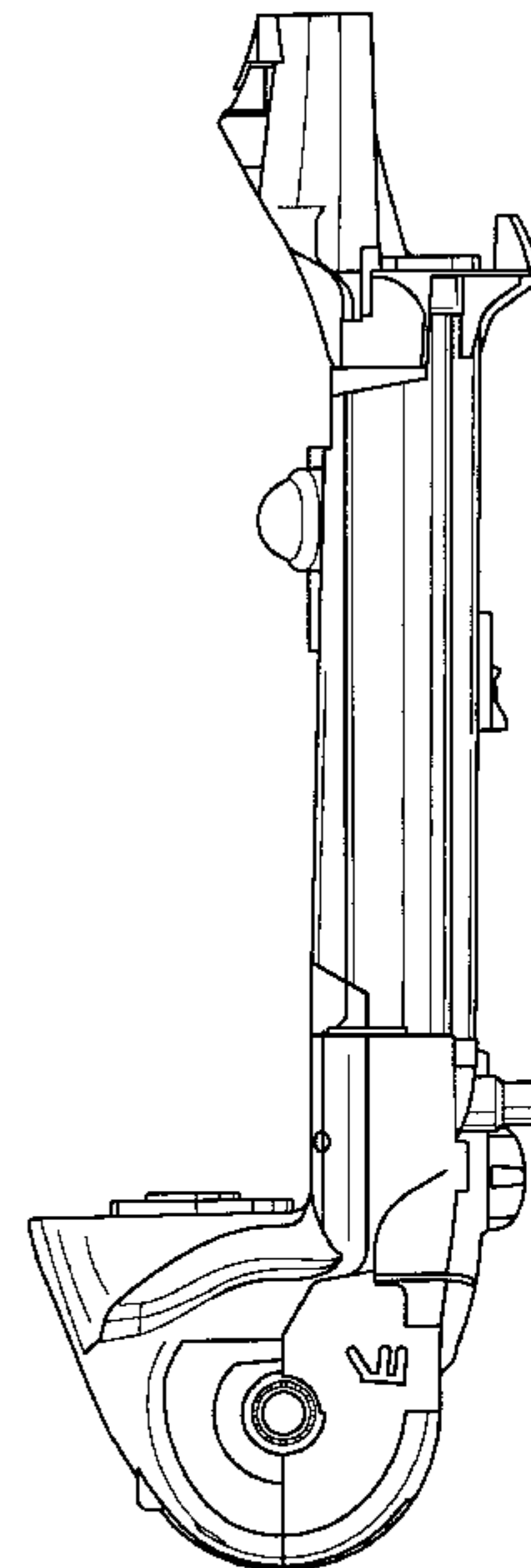
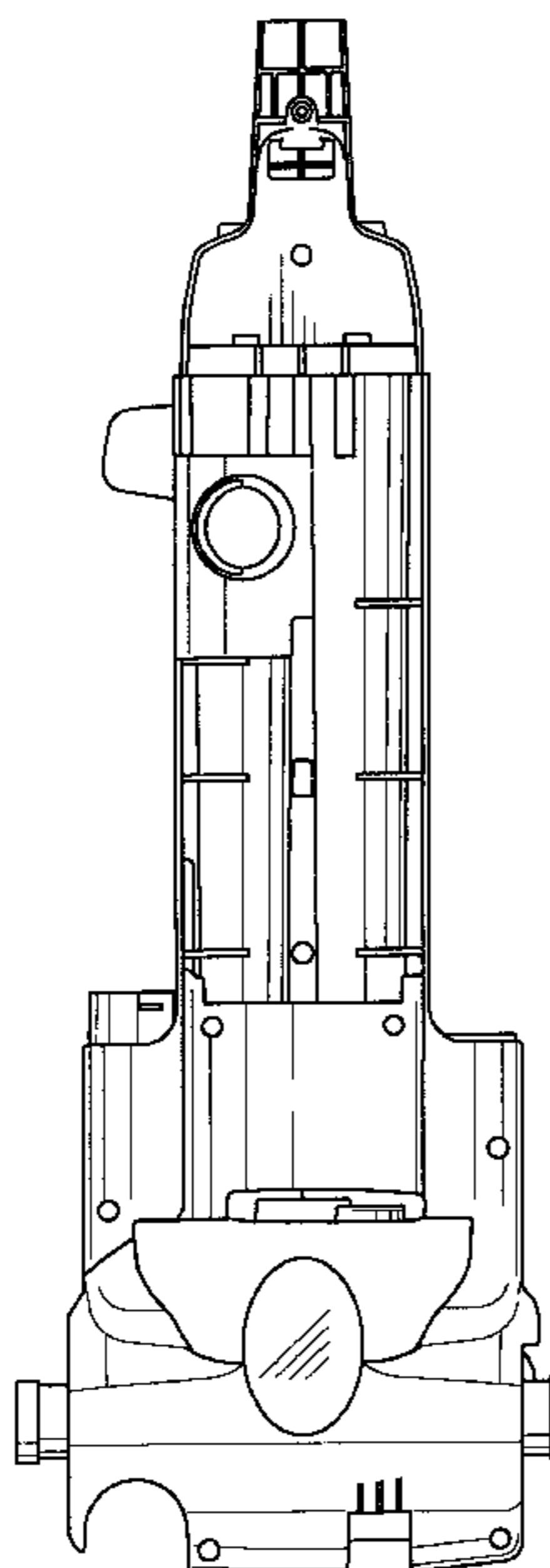
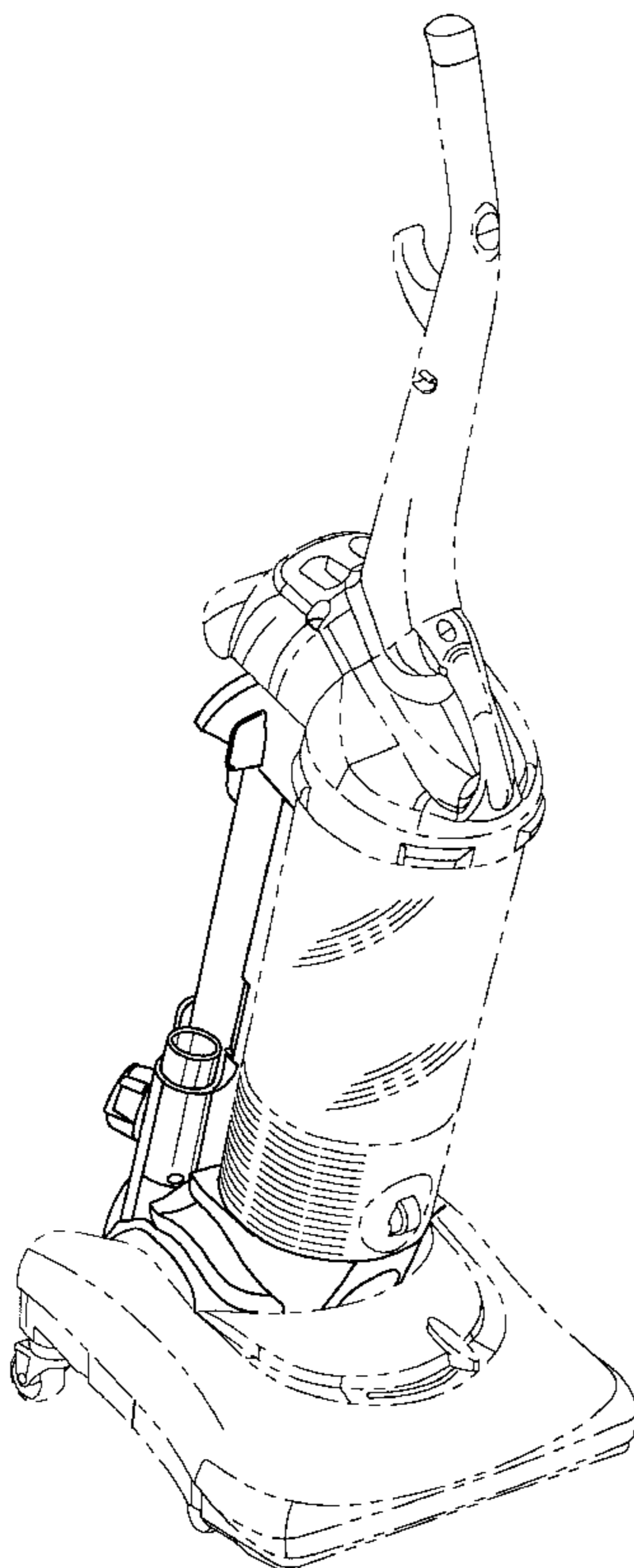
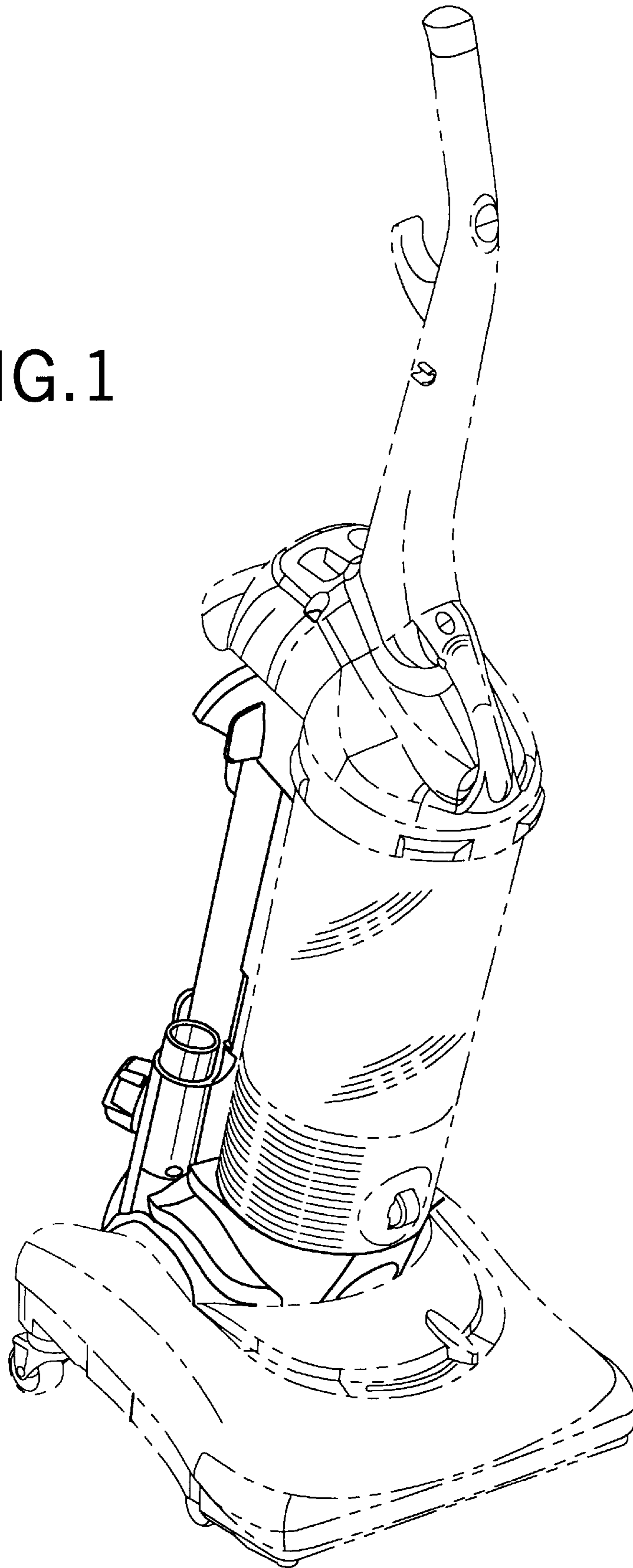


FIG. 1



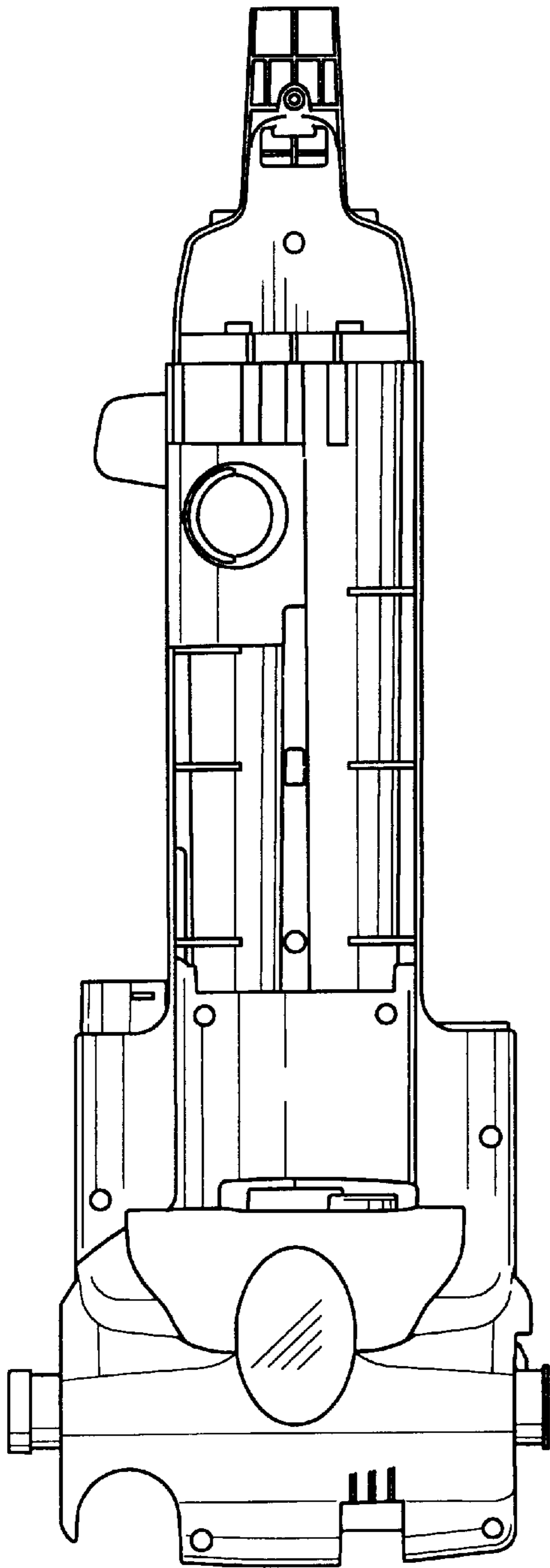


FIG. 2

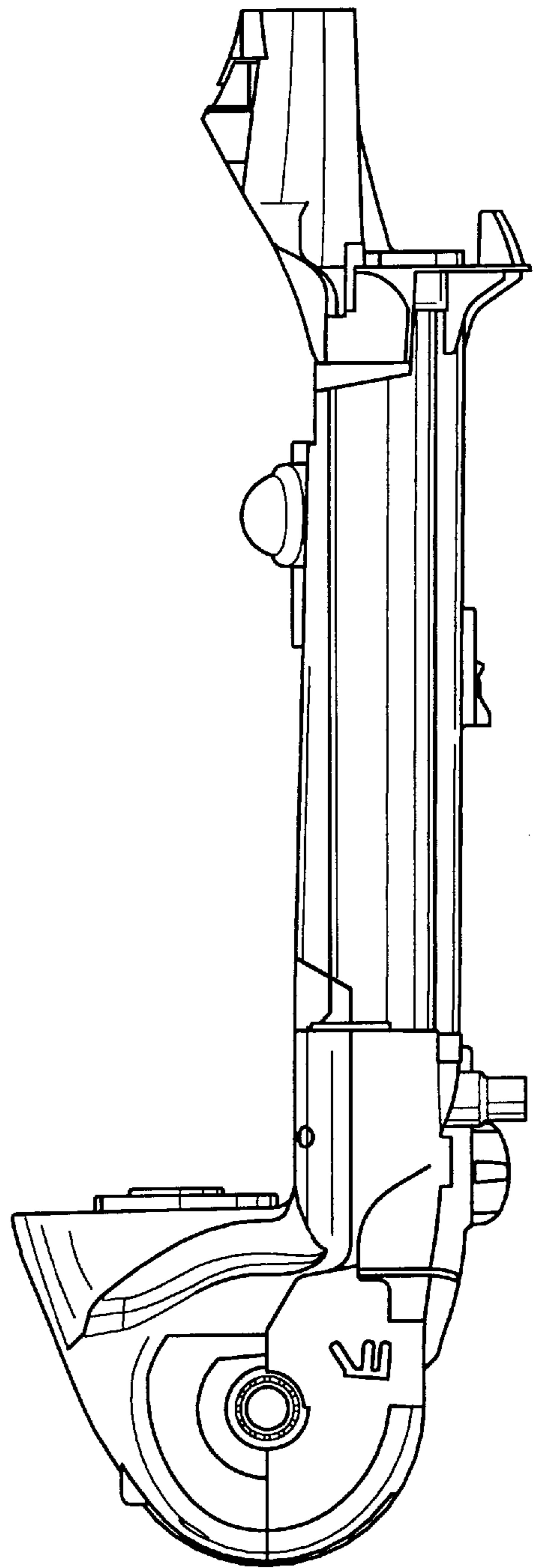


FIG. 3

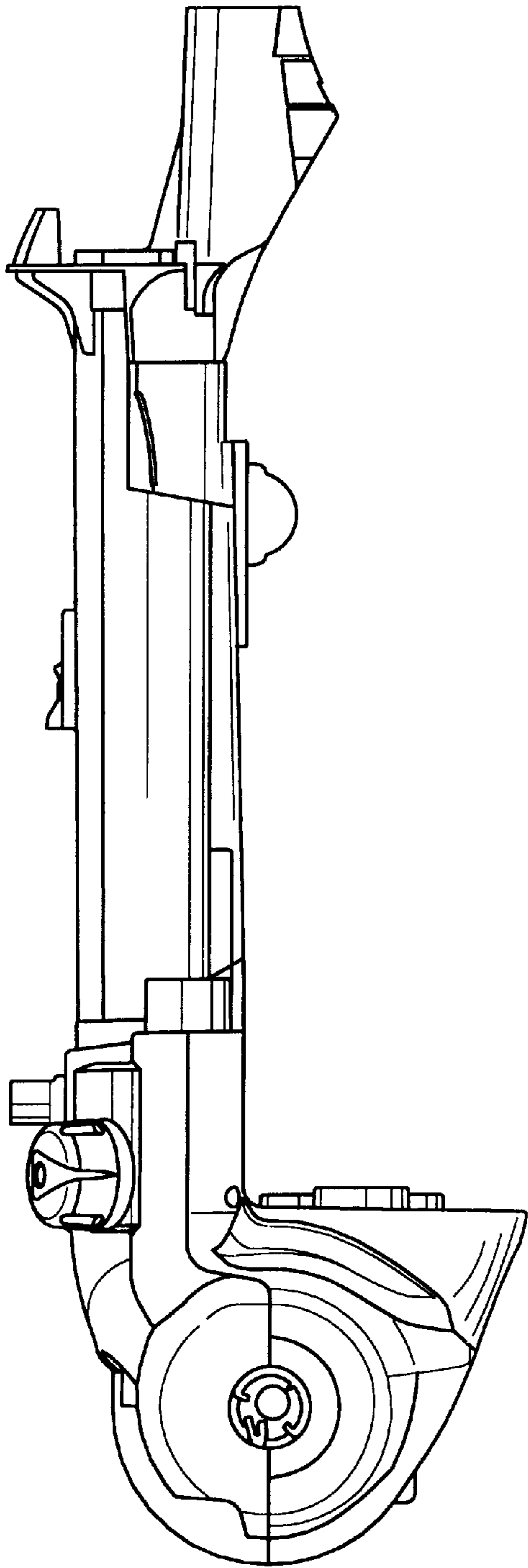


FIG. 4

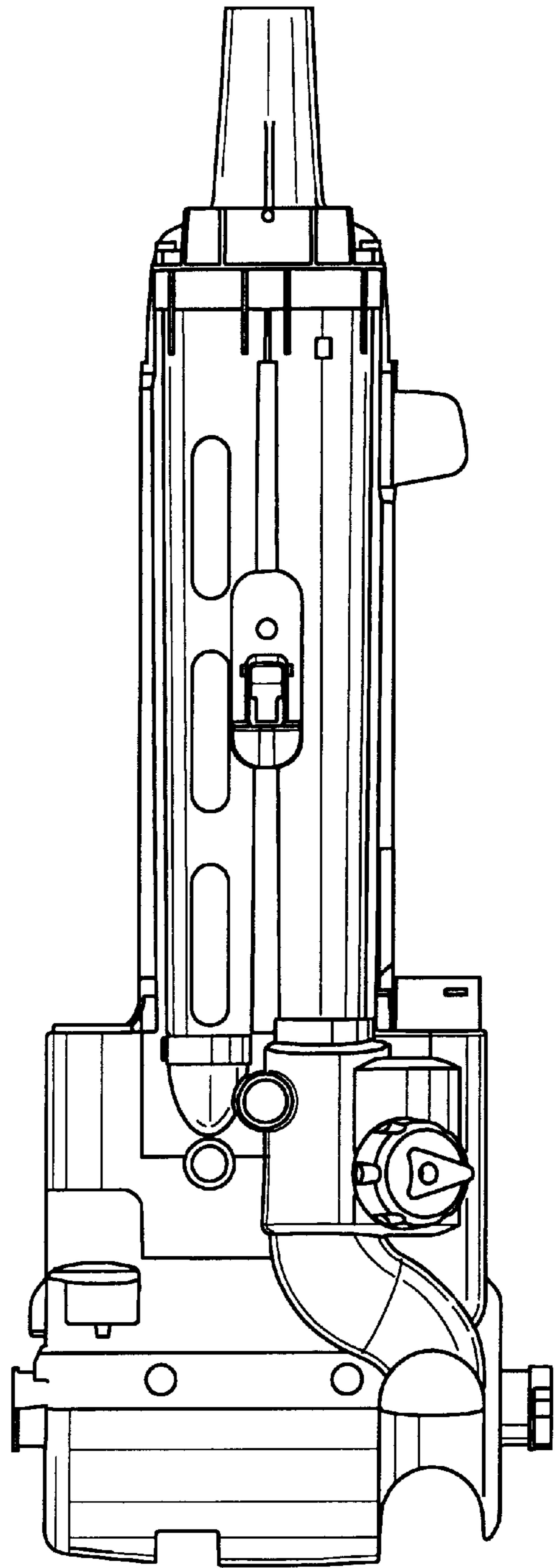


FIG. 5

FIG.6

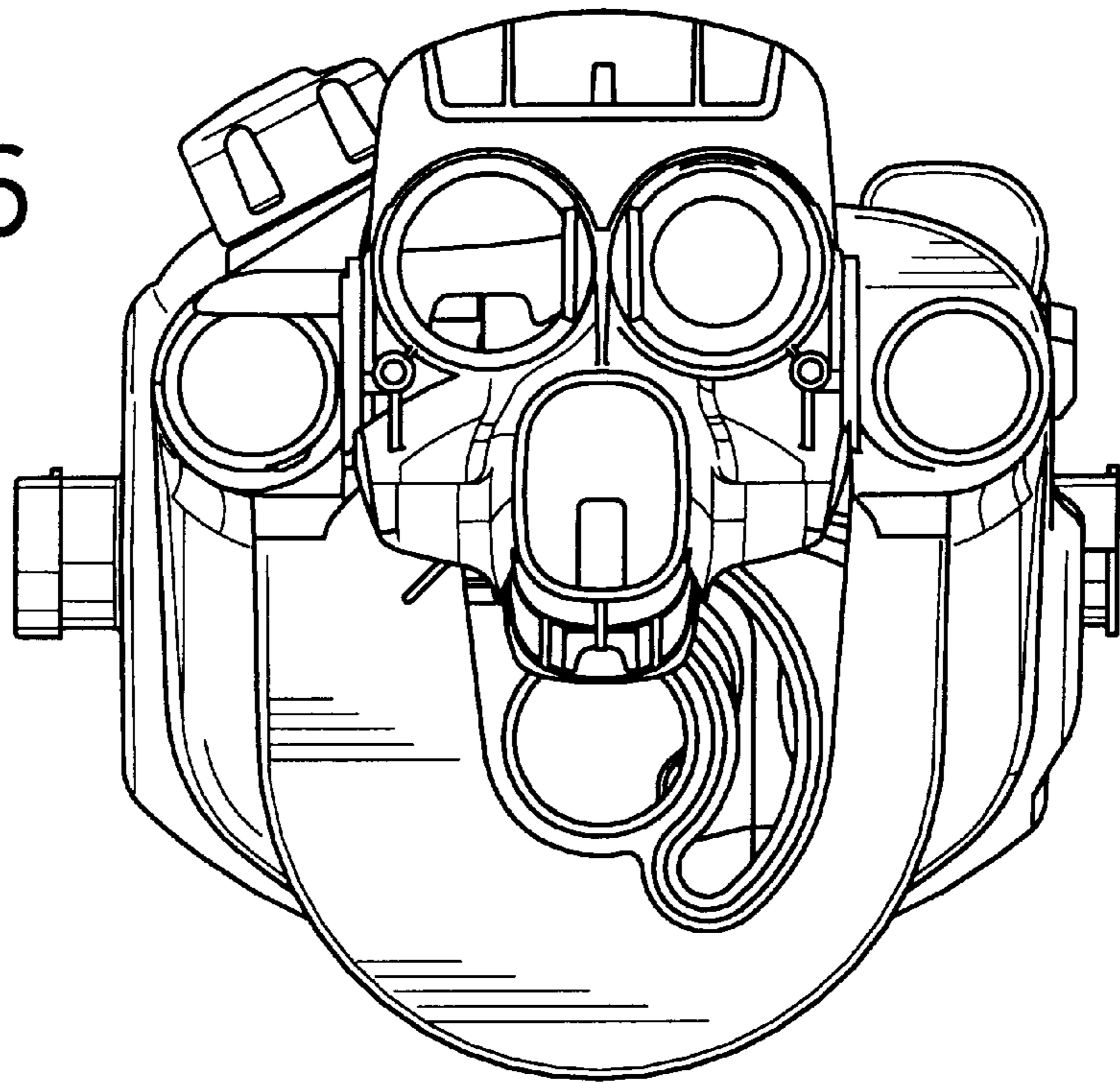


FIG.7

