



US00D533693S

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

(10) **Patent No.:** **US D533,693 S**

(45) **Date of Patent:** **** Dec. 12, 2006**

(54) **VACUUM CLEANER**

(75) Inventor: **Jong Won Lee**, Seoul (KR)

(73) Assignee: **LG Electronics Inc.**, Seoul (KR)

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

(21) Appl. No.: **29/230,733**

(22) Filed: **May 26, 2005**

(30) **Foreign Application Priority Data**

Nov. 30, 2004 (KR) 30-2004-0036686

(51) **LOC (8) Cl.** **15-05**

(52) **U.S. Cl.** **D32/21**

(58) **Field of Classification Search** D32/15,
D32/17, 21, 23, 24, 31; 15/320, 321, 327.1,
15/327.2, 327.4, 327.6, 327.7, 353, 329;
134/105, 198, 21; 392/403; 8/149.3; 55/315,
55/428-429, 482, 472; 68/5 R, 5 A, 5 B,
68/222

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D344,165 S * 2/1994 Kuriya D32/21
D448,128 S * 9/2001 Oh D32/21

D490,580 S * 5/2004 Choi D32/21
D491,704 S * 6/2004 Shin D32/23
D493,585 S * 7/2004 Choi D32/21
D498,886 S * 11/2004 Fujii D32/21
D508,152 S * 8/2005 Konno D32/21
2003/0226232 A1 * 12/2003 Hayashi et al. 15/353
2005/0198771 A1 * 9/2005 Min et al. 15/353
2006/0101610 A1 * 5/2006 Oh et al. 15/327.2

* cited by examiner

Primary Examiner—Ruth McInroy

(74) *Attorney, Agent, or Firm*—Birch, Stewart, Kolasch and Birch, LLP

(57) **CLAIM**

The ornamental design for a vacuum cleaner, as shown.

DESCRIPTION

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

1 Claim, 5 Drawing Sheets

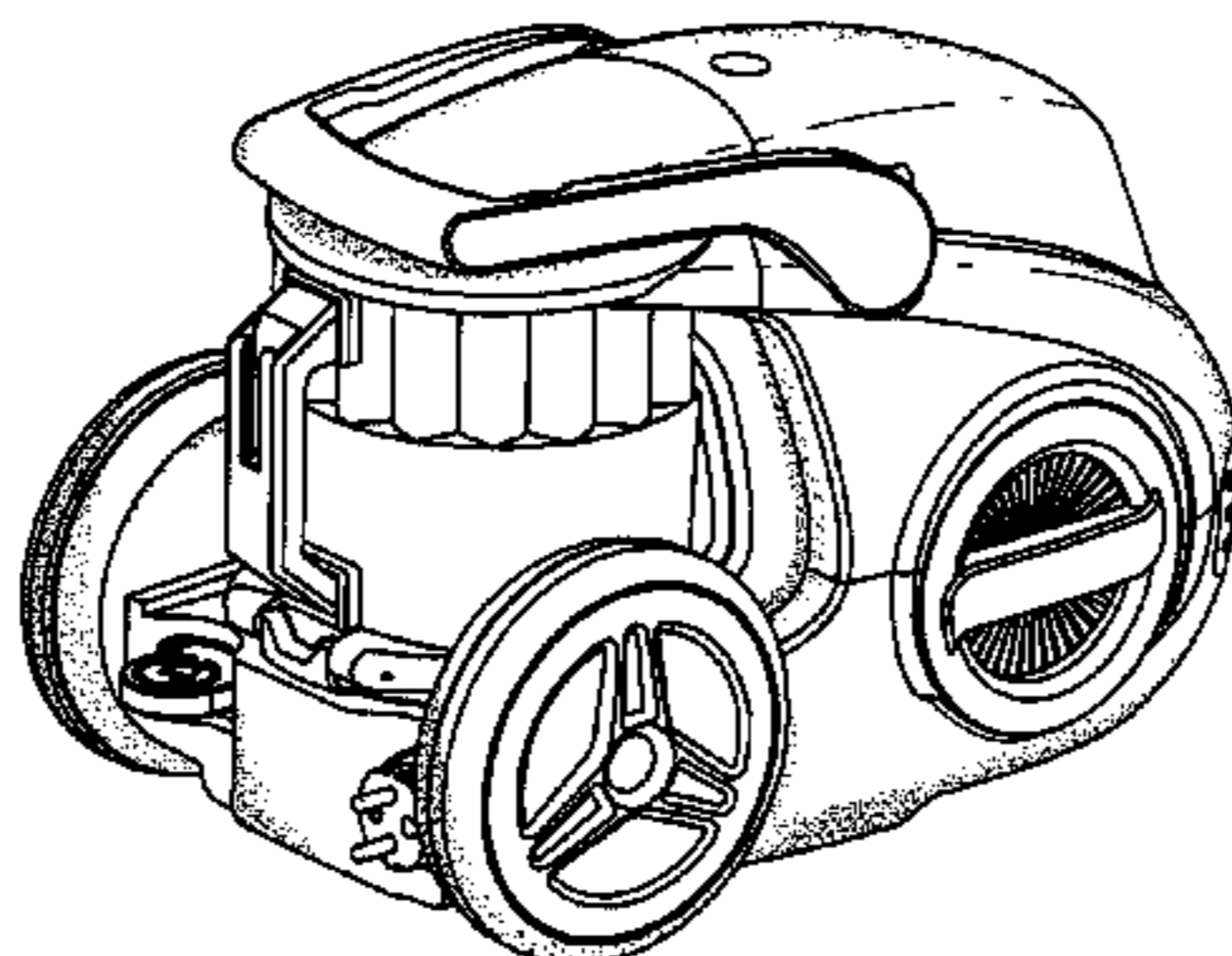
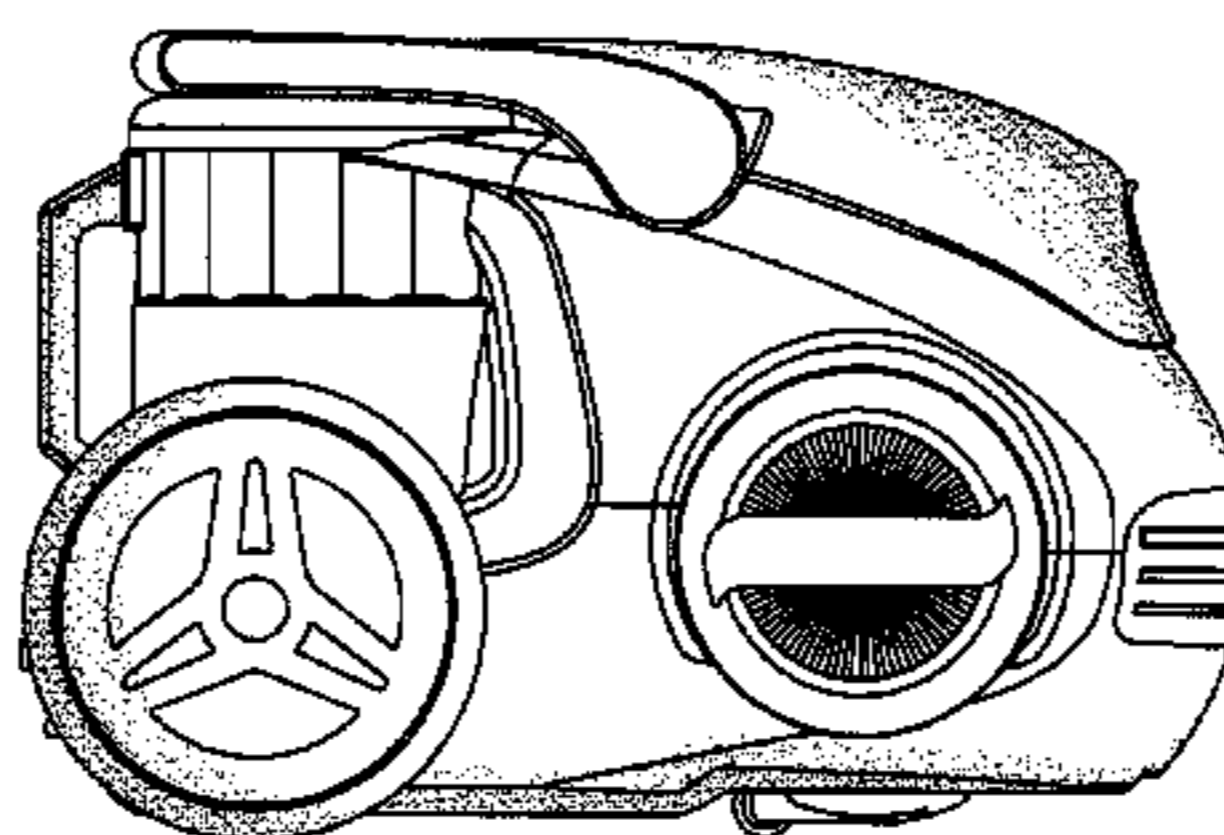
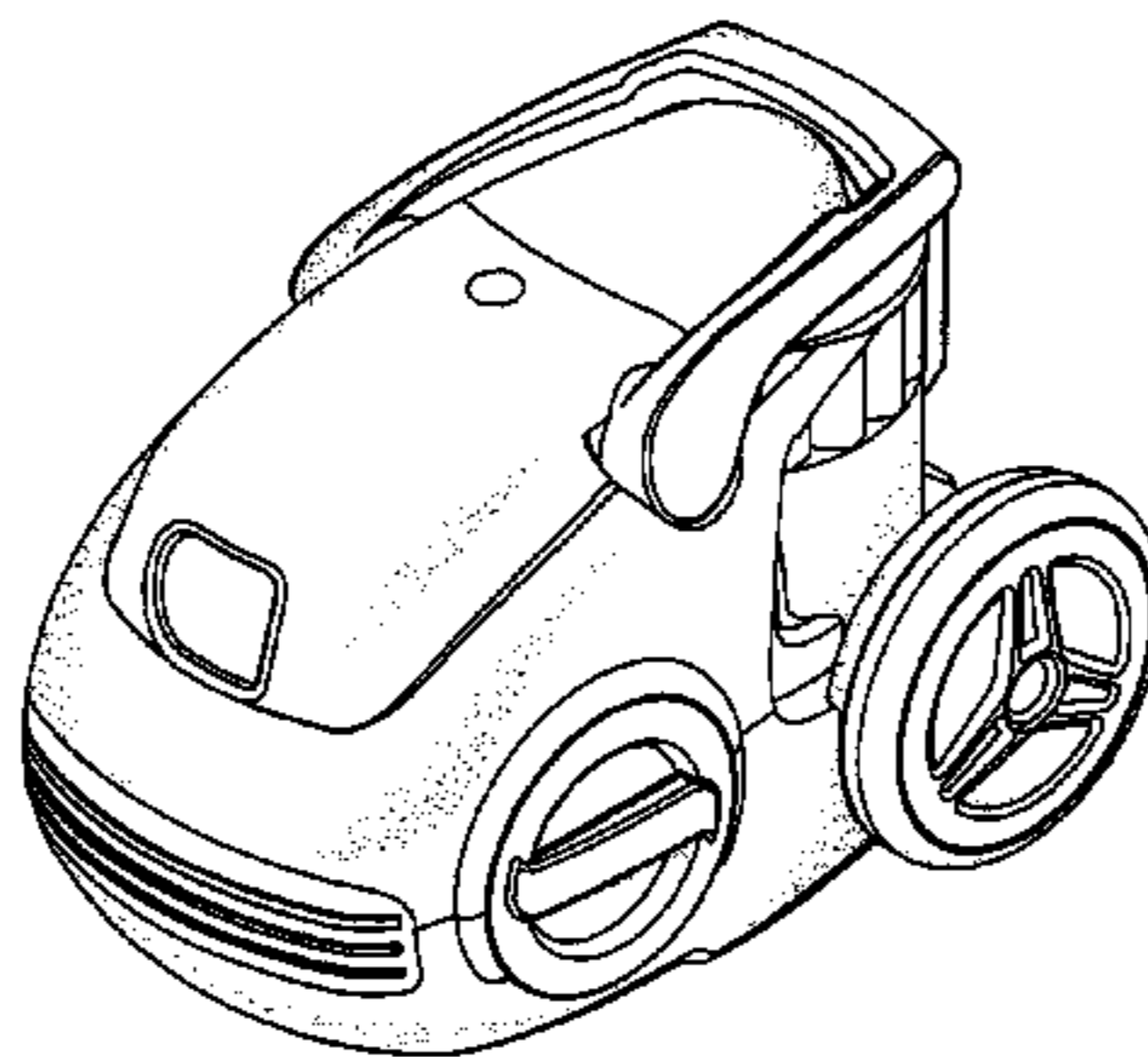


Fig. 1

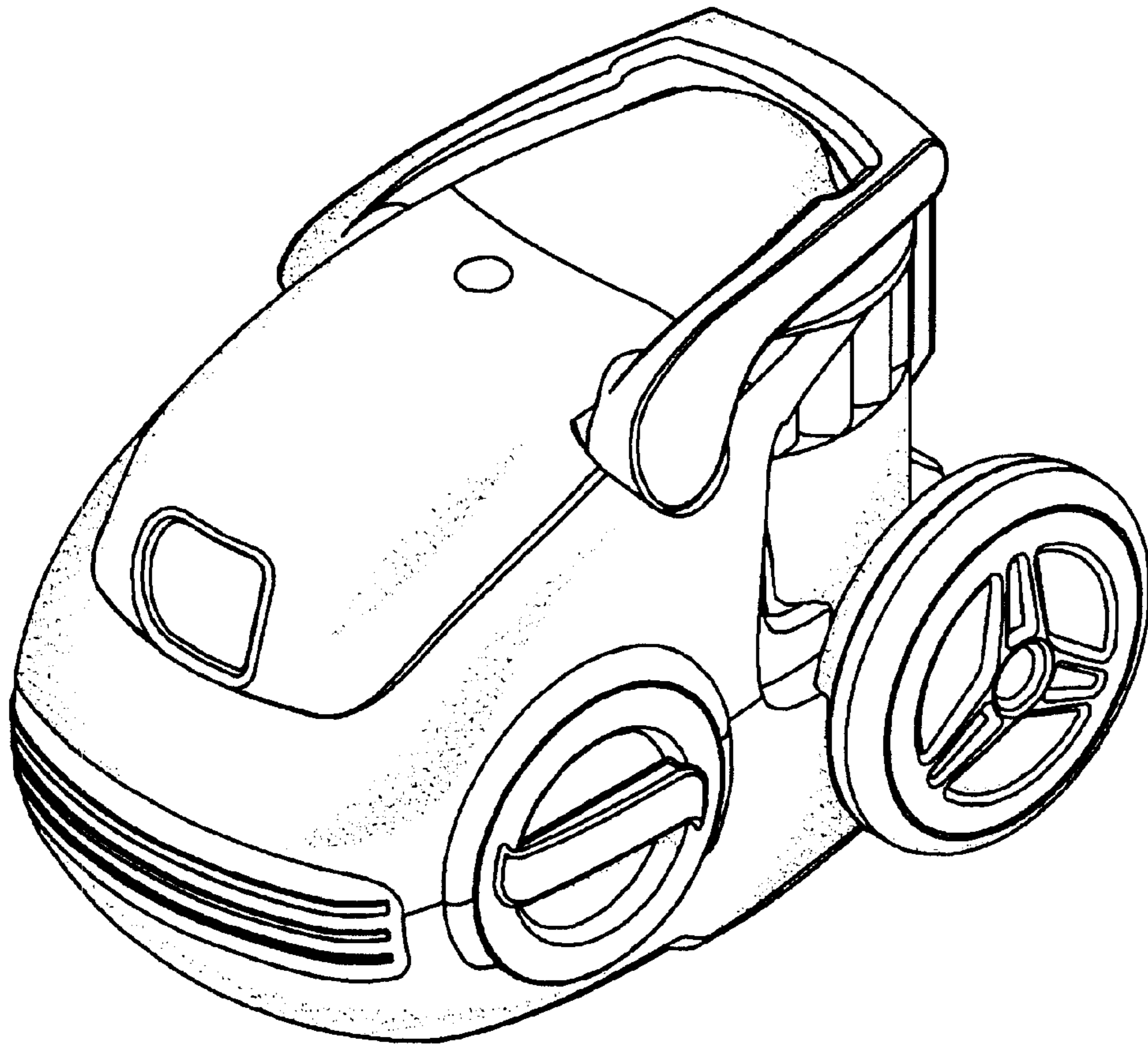


Fig. 2

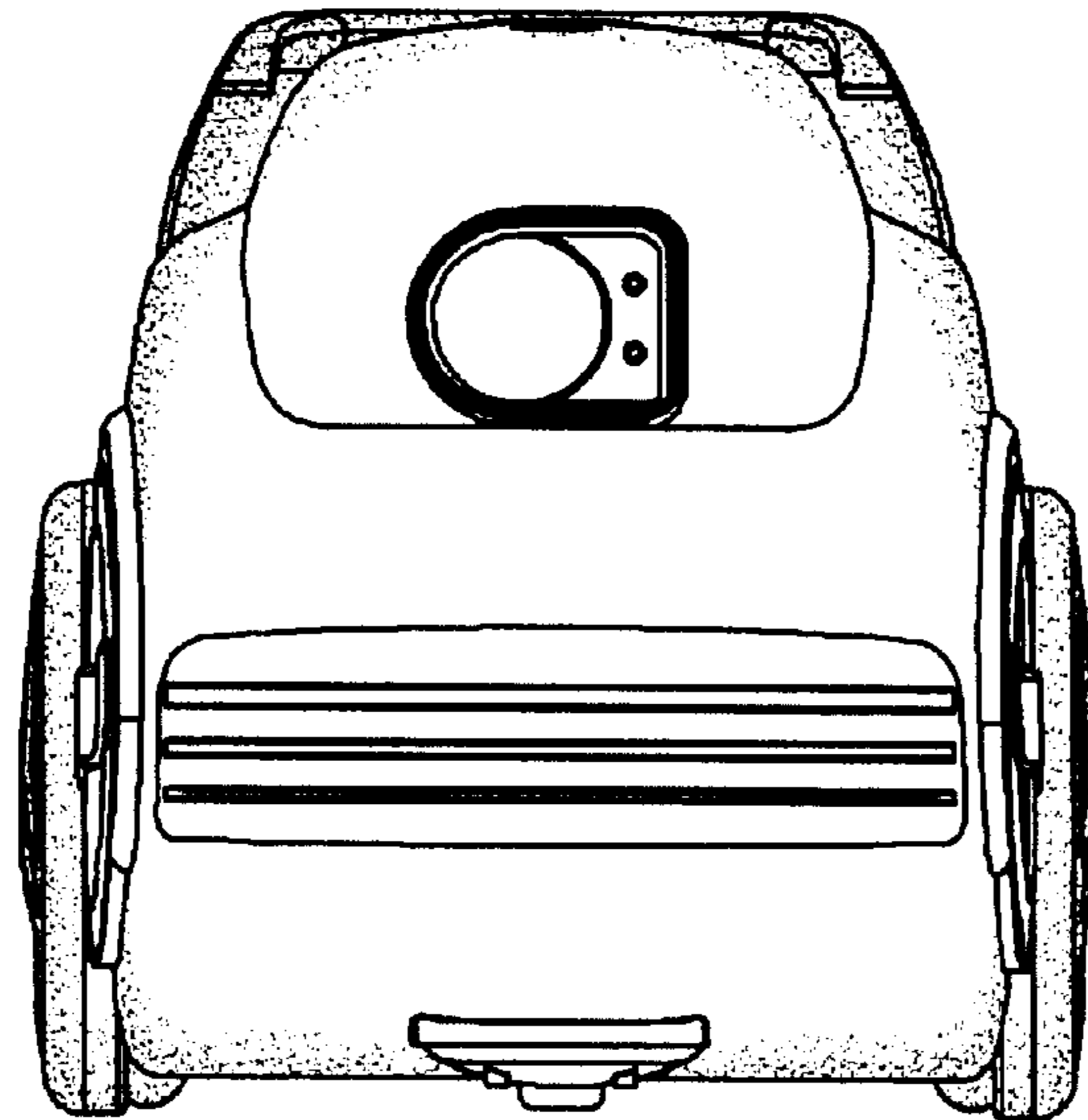


Fig. 3

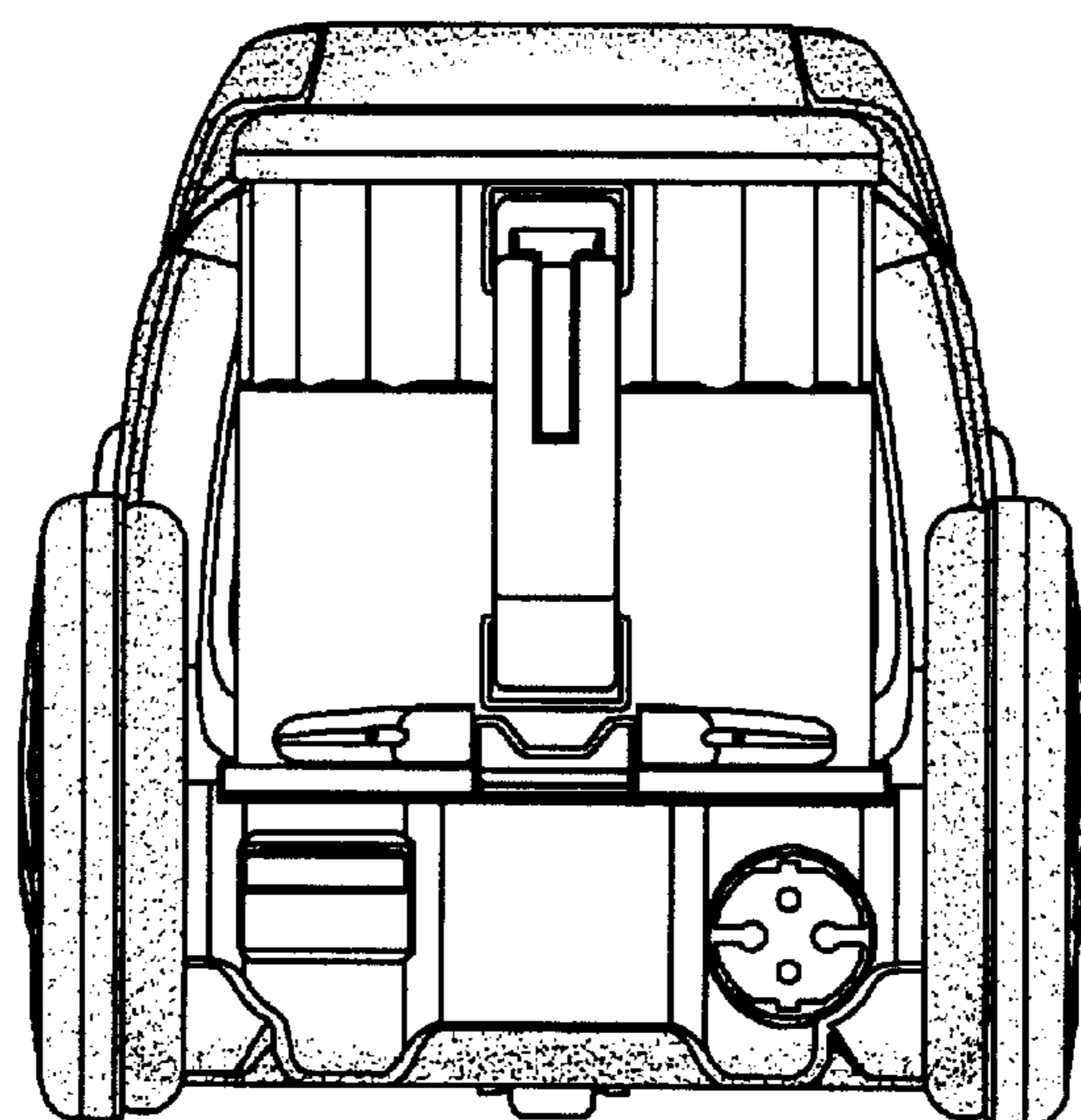


Fig. 4

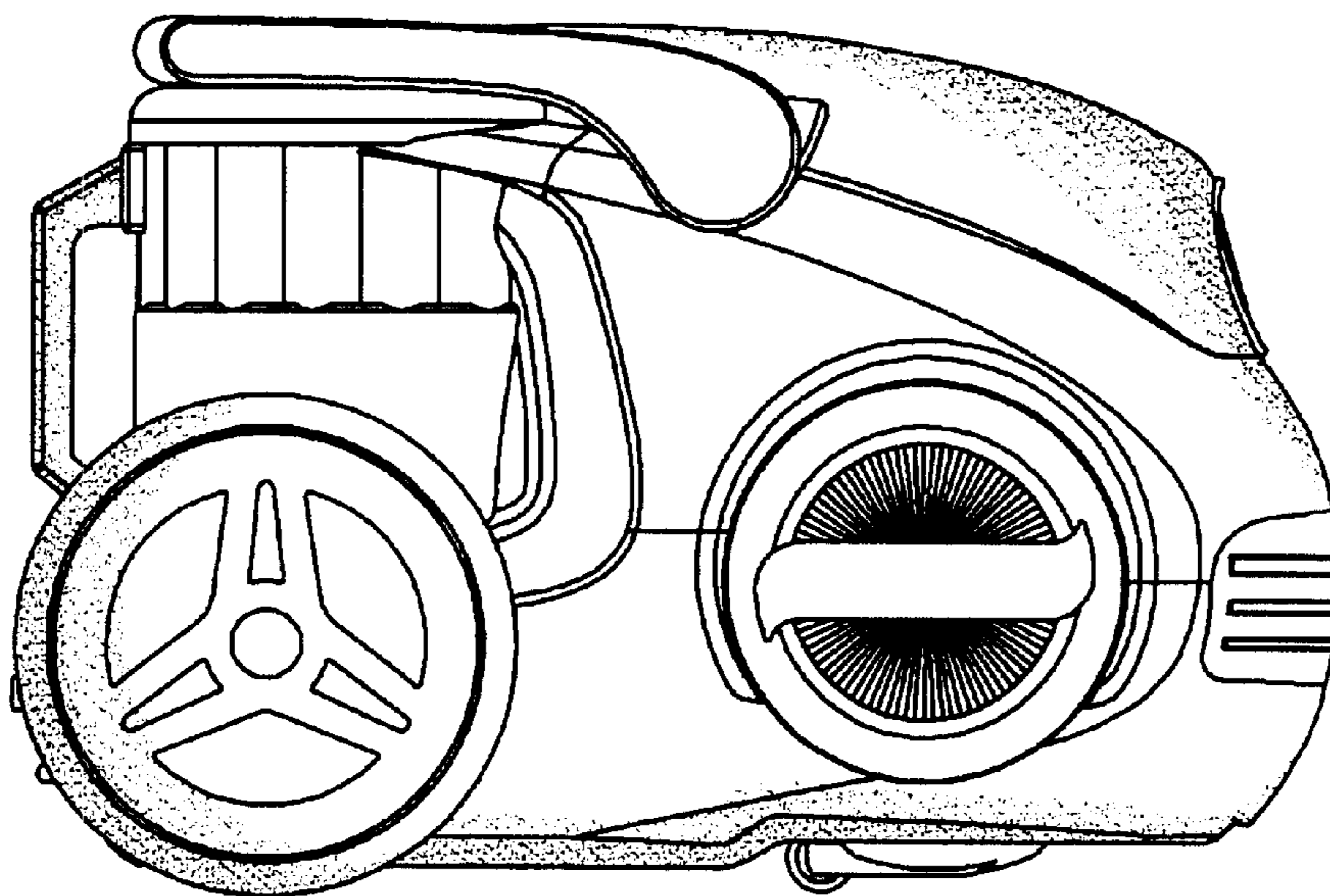


Fig. 5

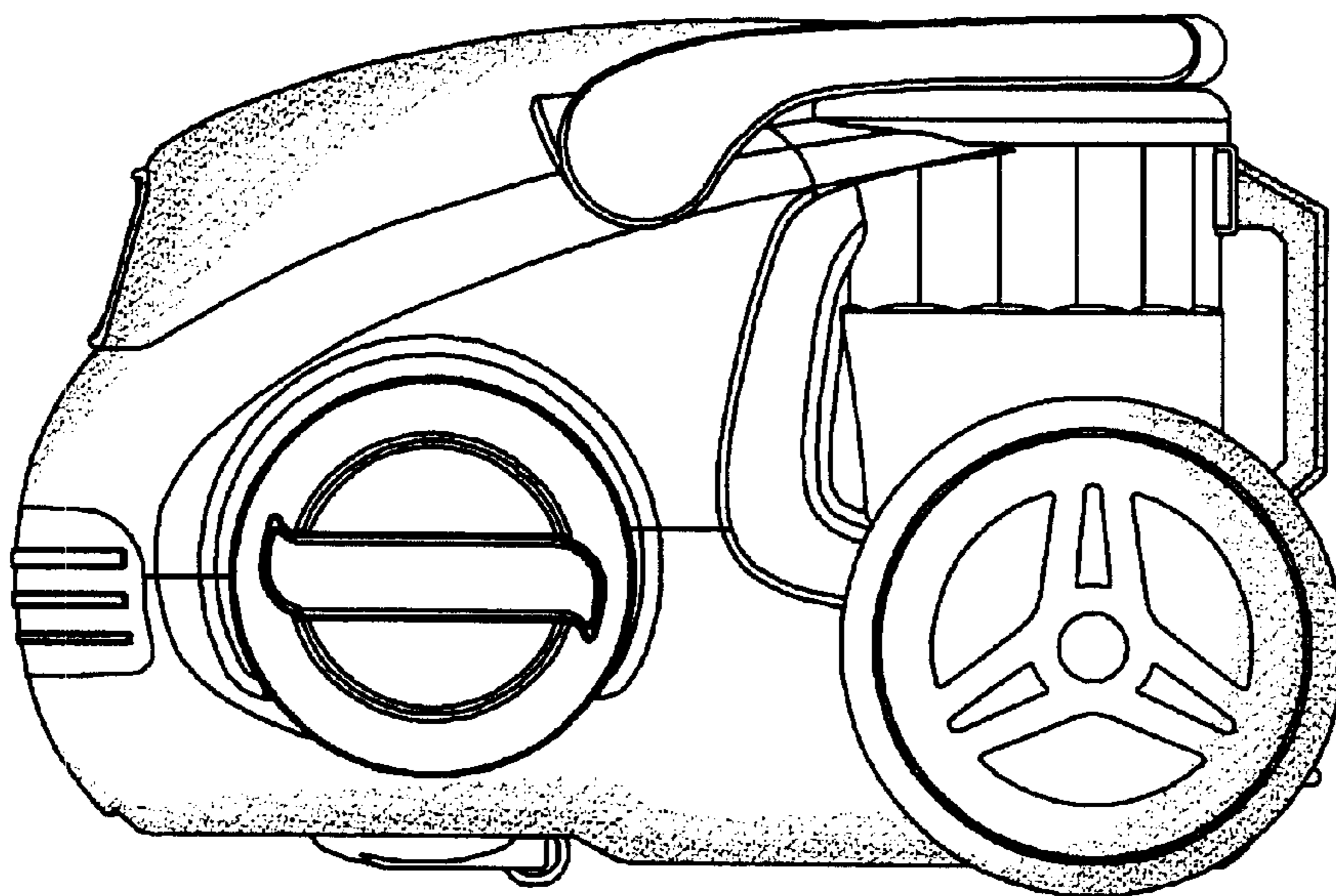


Fig. 6

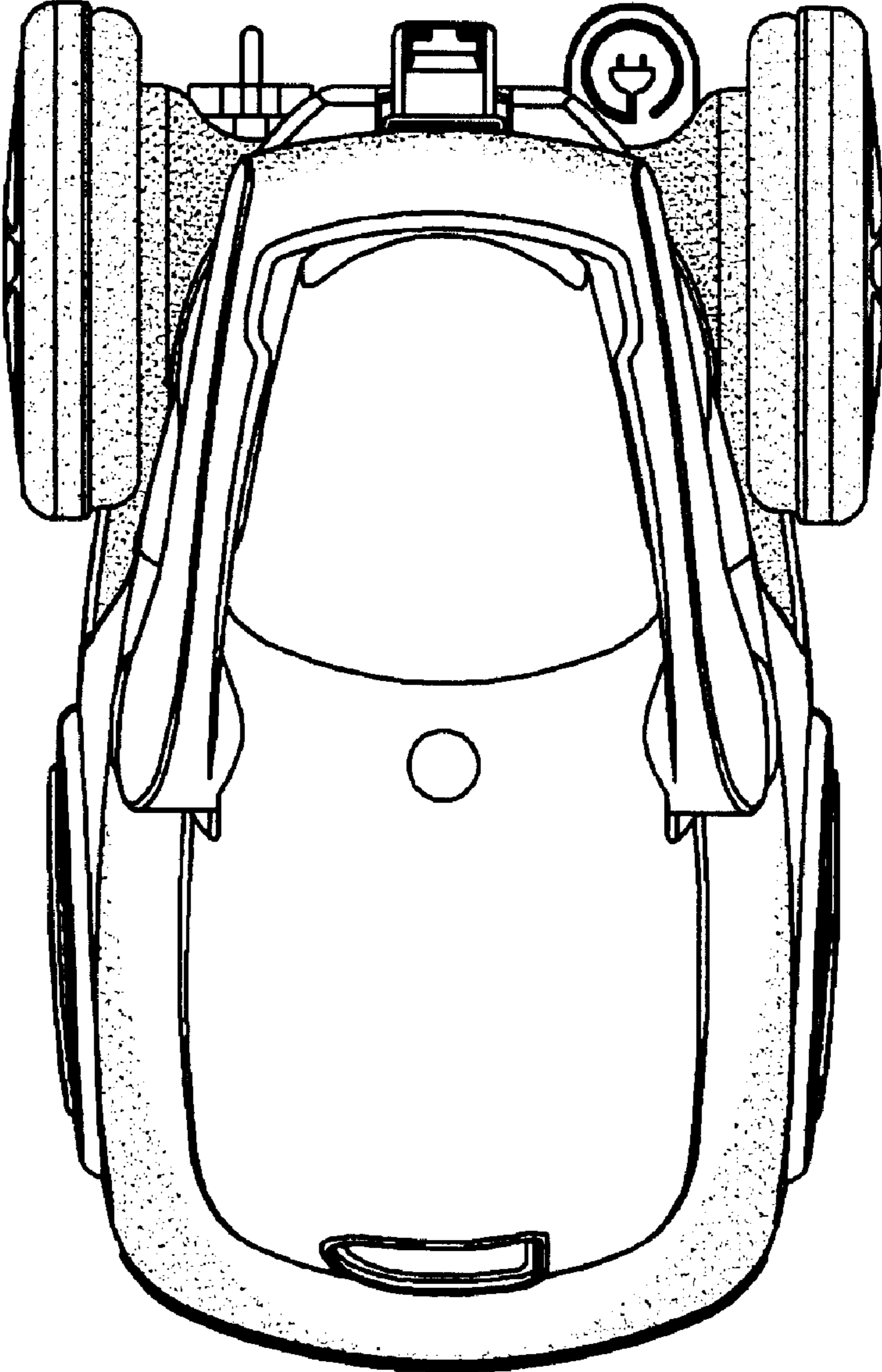


Fig. 7

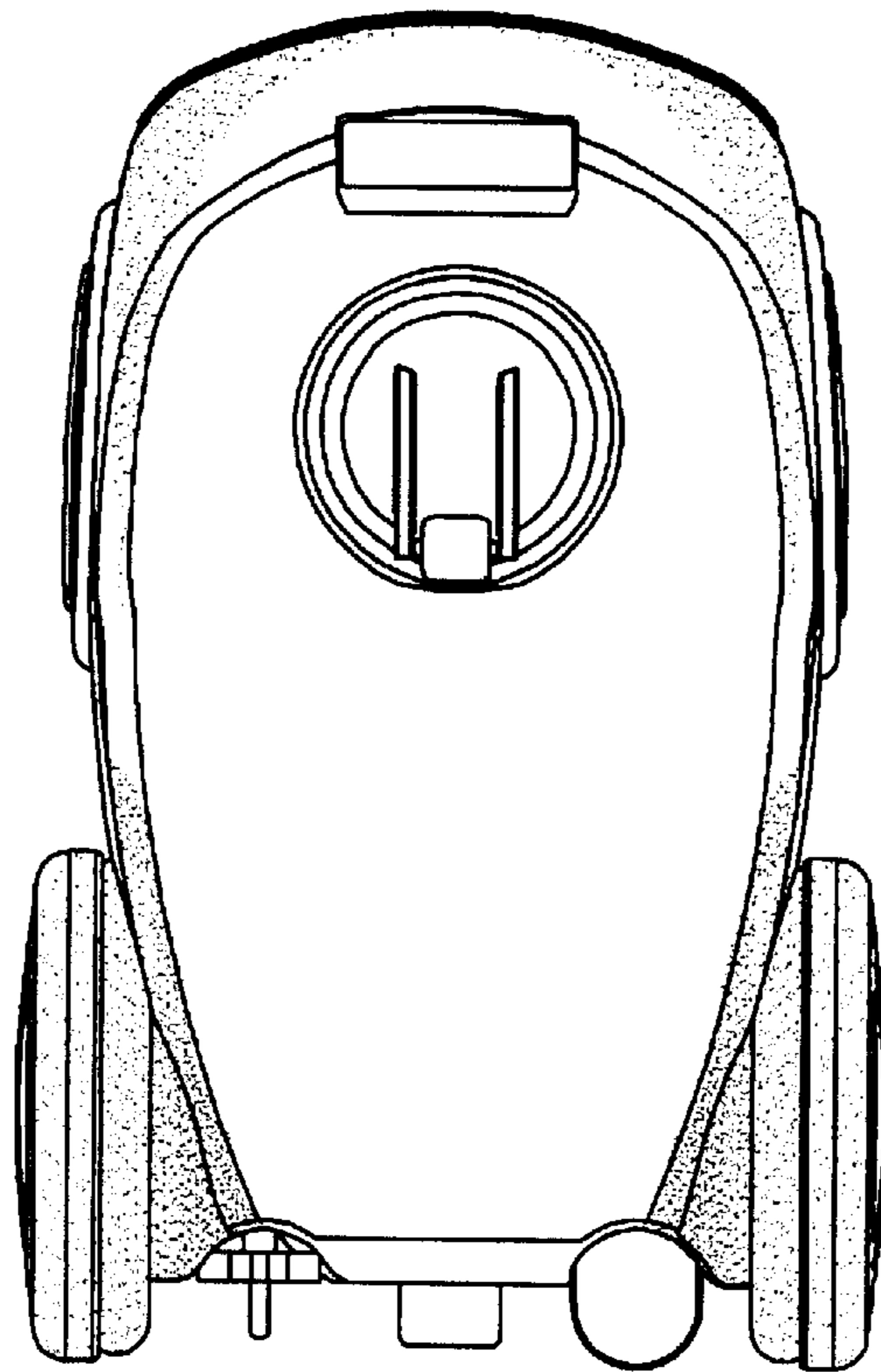


Fig. 8

