



US00D354593S

United States Patent [19]

[11] Patent Number: **Des. 354,593**

Koike

[45] Date of Patent: **** Jan. 17, 1995**

[54] **VACUUM CLEANER**

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

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

[21] Appl. No.: **7,241**

[22] Filed: **Apr. 19, 1993**

[30] **Foreign Application Priority Data**

Oct. 21, 1992 [JP] Japan 4-30971

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

[58] Field of Search D32/21, 22, 31-34;
15/323-326, 331-336, 337, 347, 350-351, 361,
377, 412, 413, 415.1

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Primary Examiner—Ruth McInroy

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[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 my new design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a bottom plan view thereof; and,

FIG. 7 is a rear elevational view thereof.

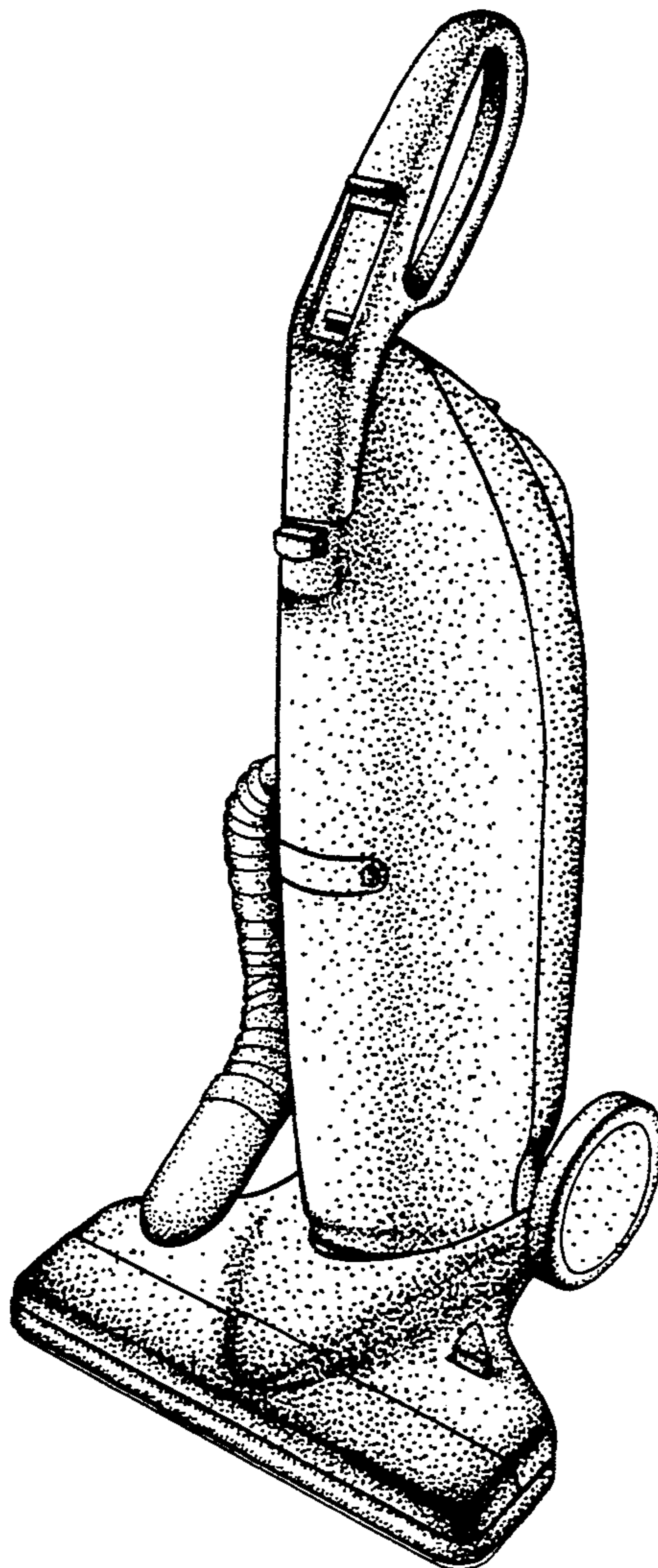


Fig. 1

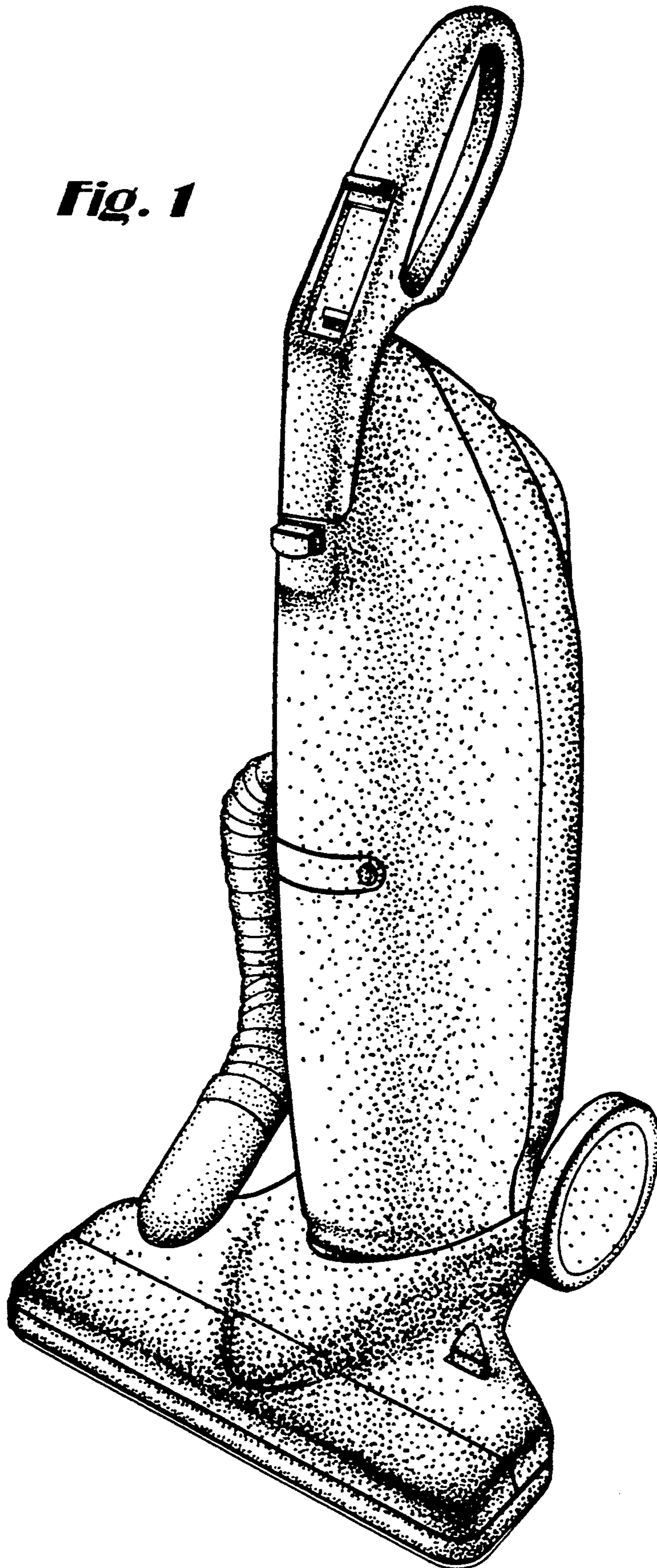


Fig. 2

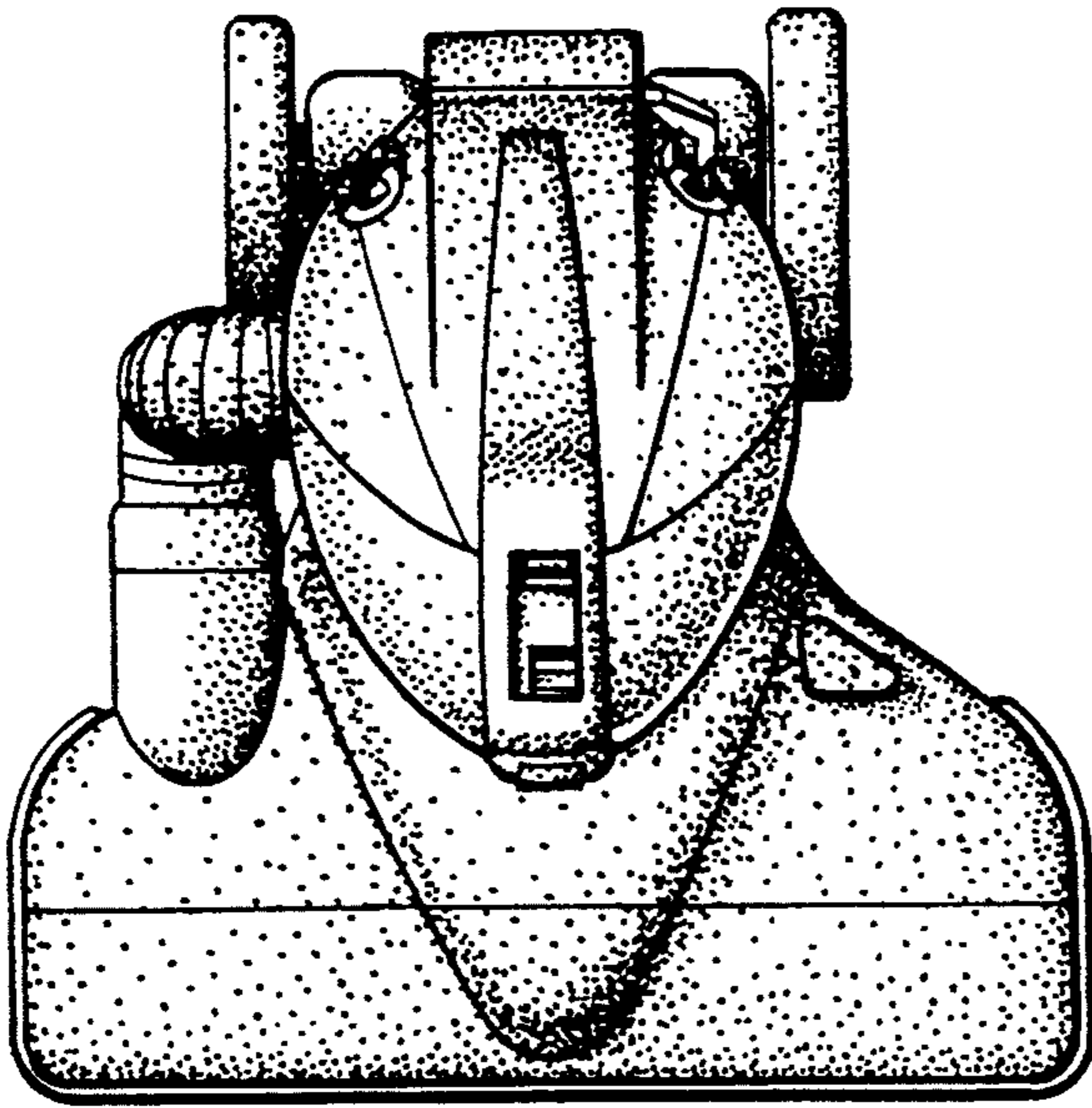


Fig. 3

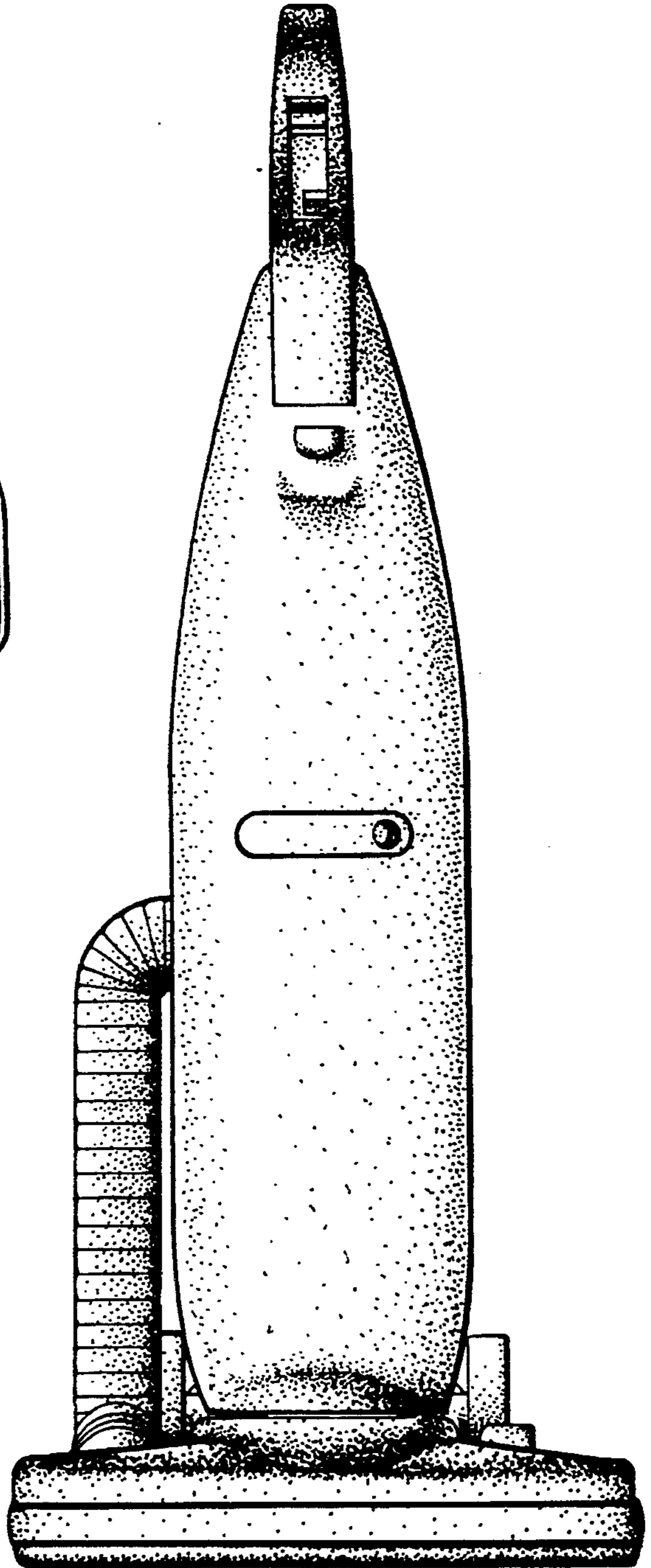


Fig. 4

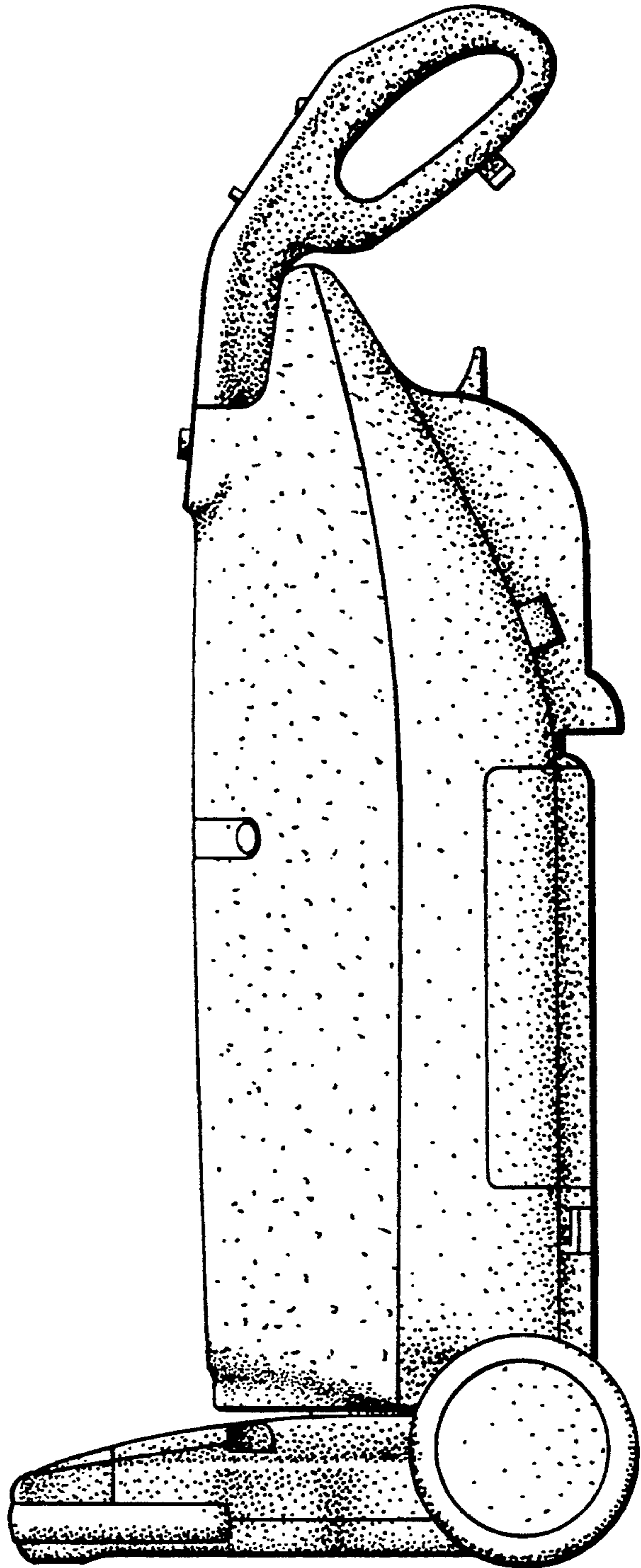
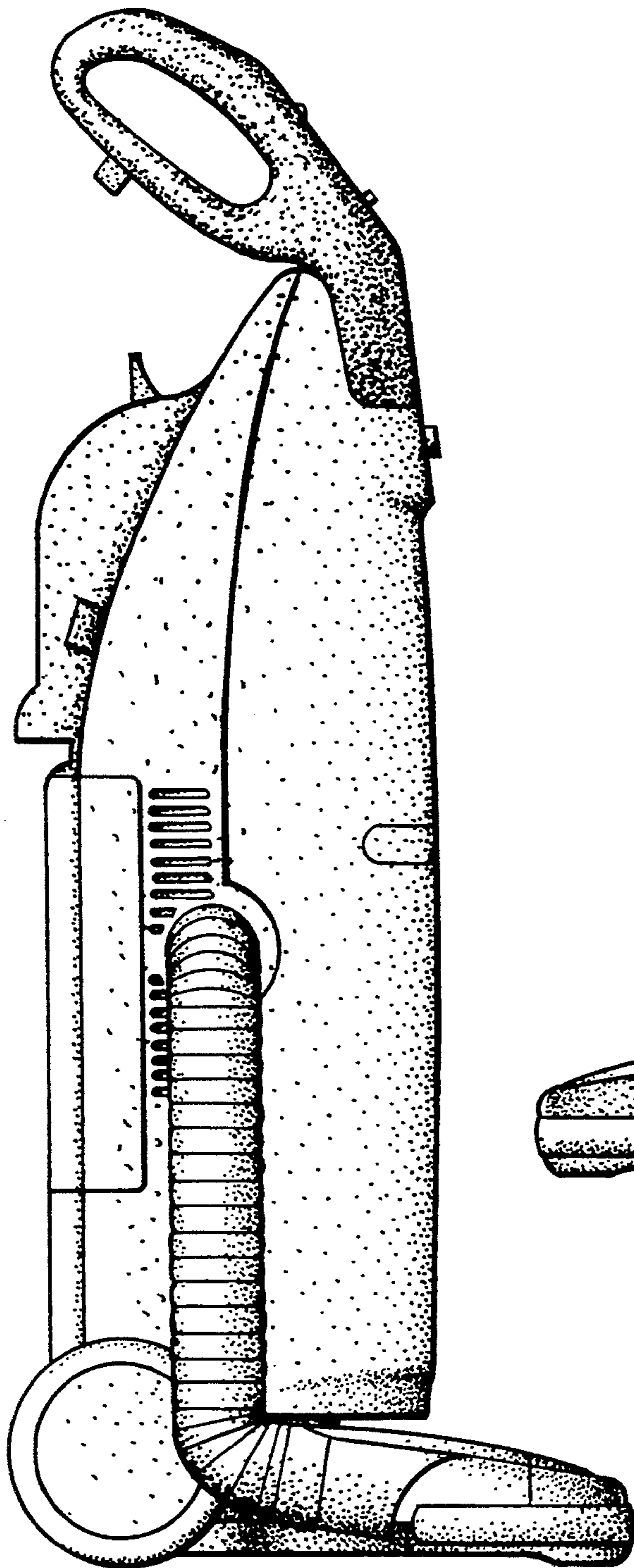


Fig. 5

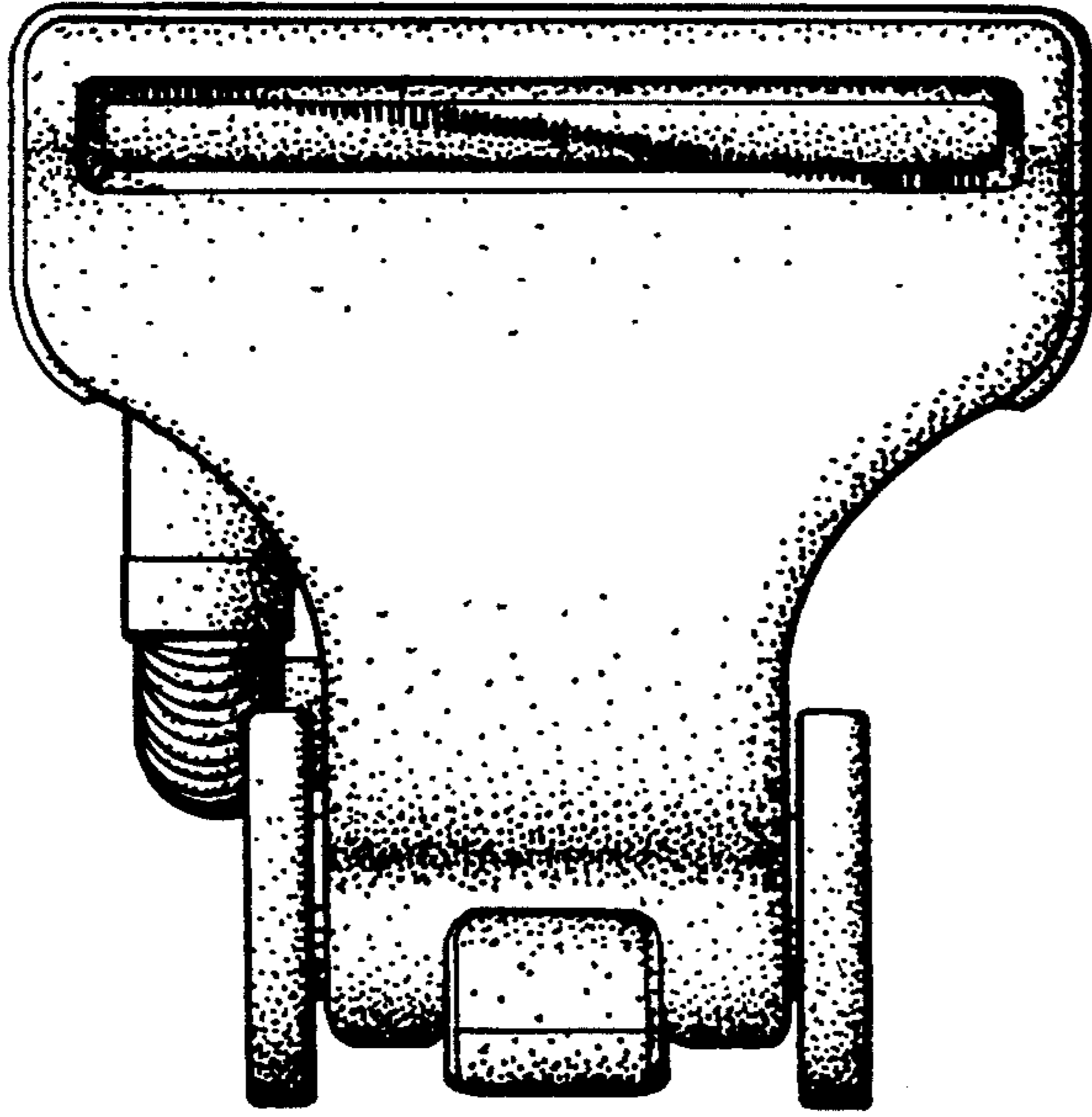


Fig. 6

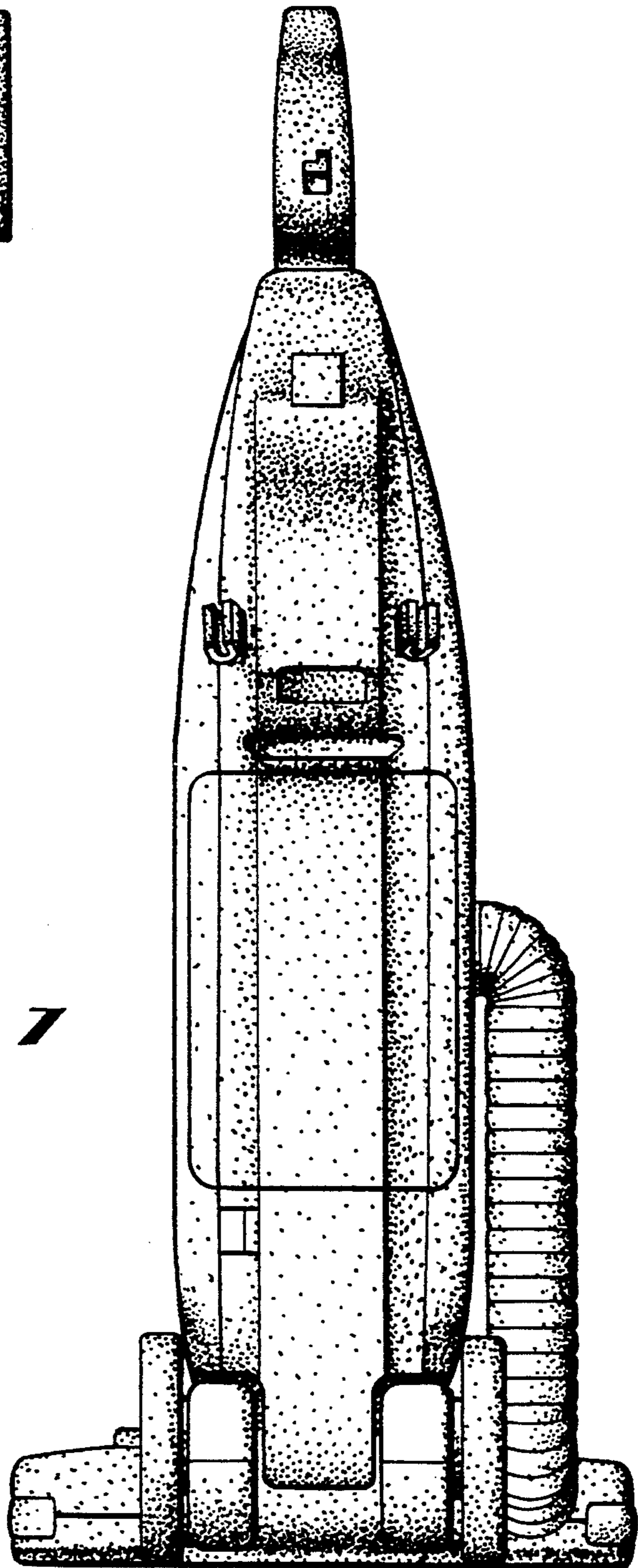


Fig. 7