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United States Patent [19]

Wang et al.

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[45] Date of Patent: **** Aug. 24, 1999**

- [54] **UPRIGHT VACUUM CLEANER**
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both of Taichung, Taiwan
- [73] Assignee: **Kinergy Industrial Co., Ltd.,**
Taichung, Taiwan
- [**] Term: **14 Years**
- [21] Appl. No.: **29/085,267**
- [22] Filed: **Mar. 19, 1998**
- [51] **LOC (6) Cl. 15-05**
- [52] **U.S. Cl. D32/22**
- [58] **Field of Search D32/17, 18, 21-22,**
D32/31-34; 15/320-323, 329, 335, 344,
347, 350-351, 352, 361, 410, 412

- D. 347,500 5/1994 Abe et al. D32/22
- D. 354,379 1/1995 Shinozaki D32/22
- D. 371,652 7/1996 Umbach D32/22
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- D. 403,477 6/1997 Tsujimoto et al. D32/22
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Primary Examiner—Ruth McInroy
Attorney, Agent, or Firm—Dougherty & Troxell

[57] CLAIM

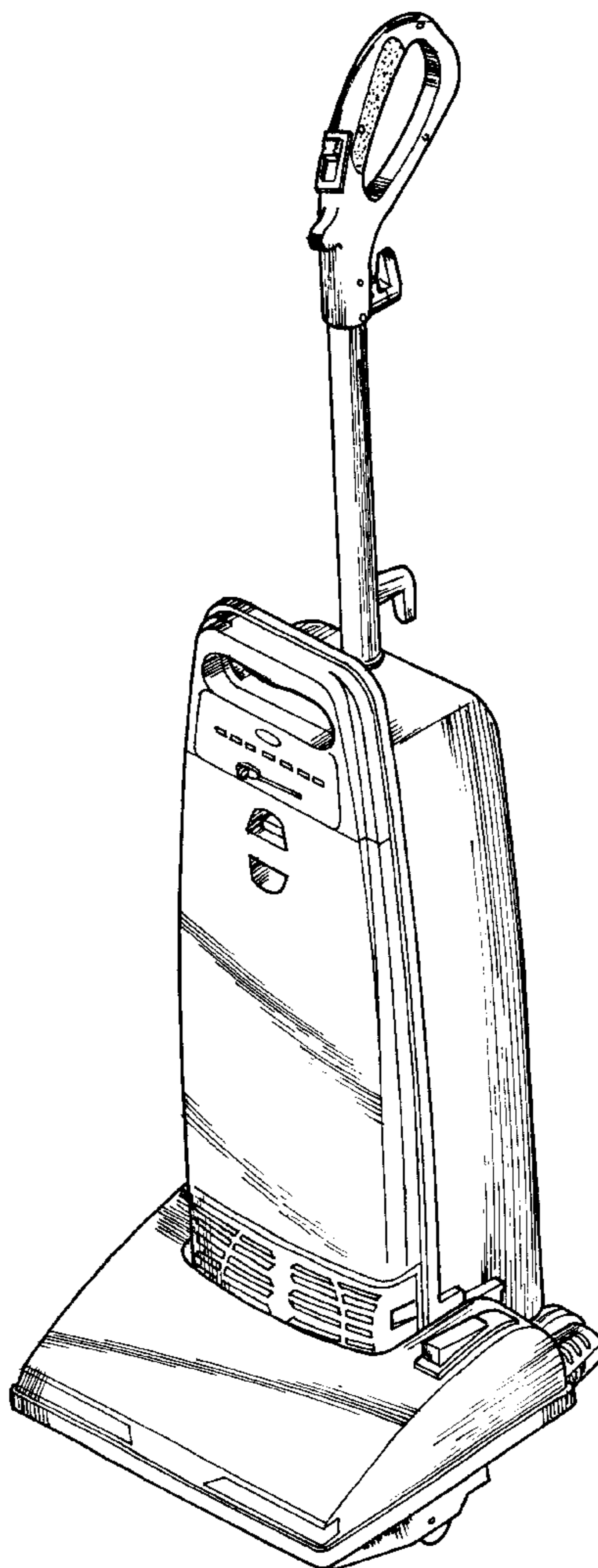
The ornamental design for an upright vacuum cleaner, as shown.

DESCRIPTION

FIG. 1 is a perspective view of an upright vacuum cleaner showing our new design;
FIG. 2 is a front elevation 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; and,
FIG. 7 is a bottom view thereof.

- [56] **References Cited**
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- D. 314,847 2/1991 Shouji et al. D32/22
- D. 315,042 2/1991 Ikeda D32/22
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1 Claim, 4 Drawing Sheets



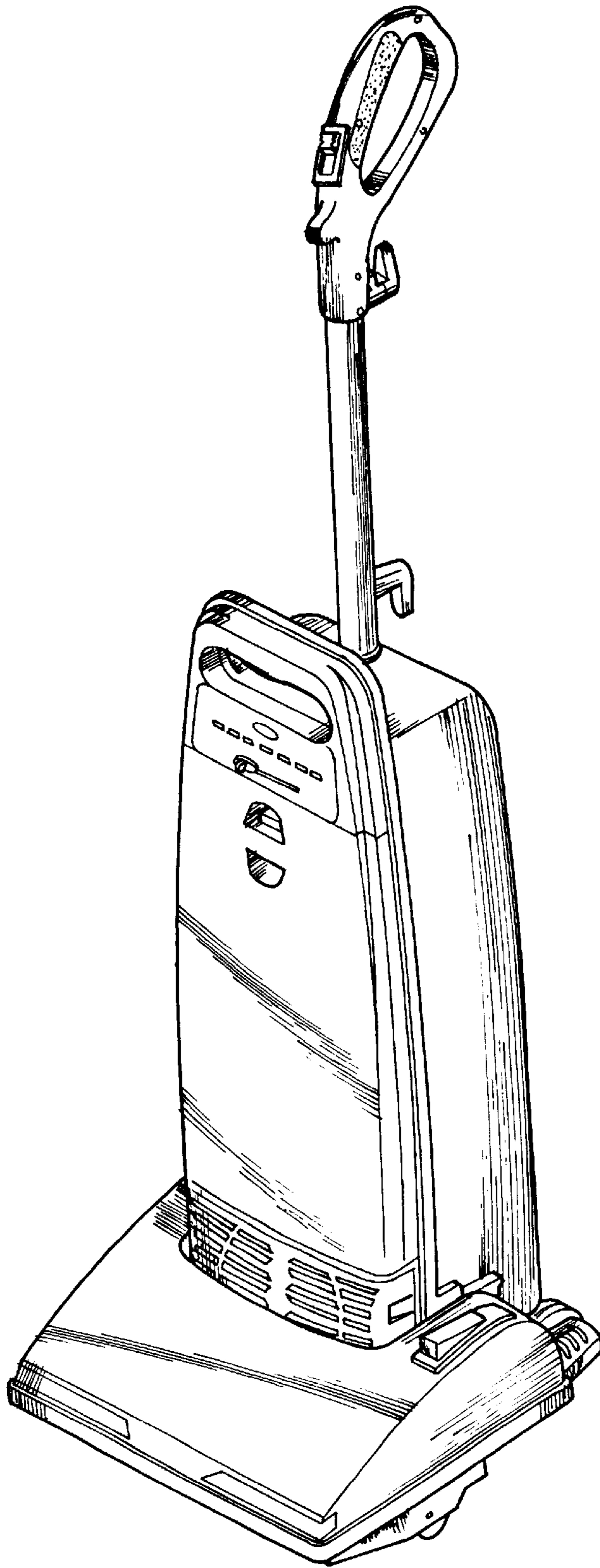


FIG . 1

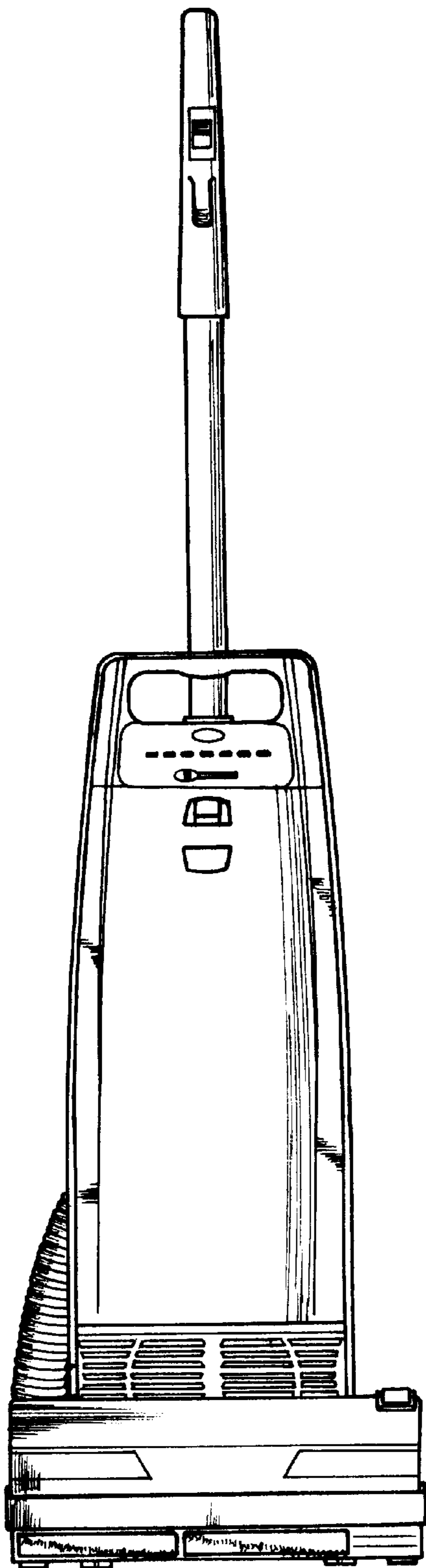


FIG. 2

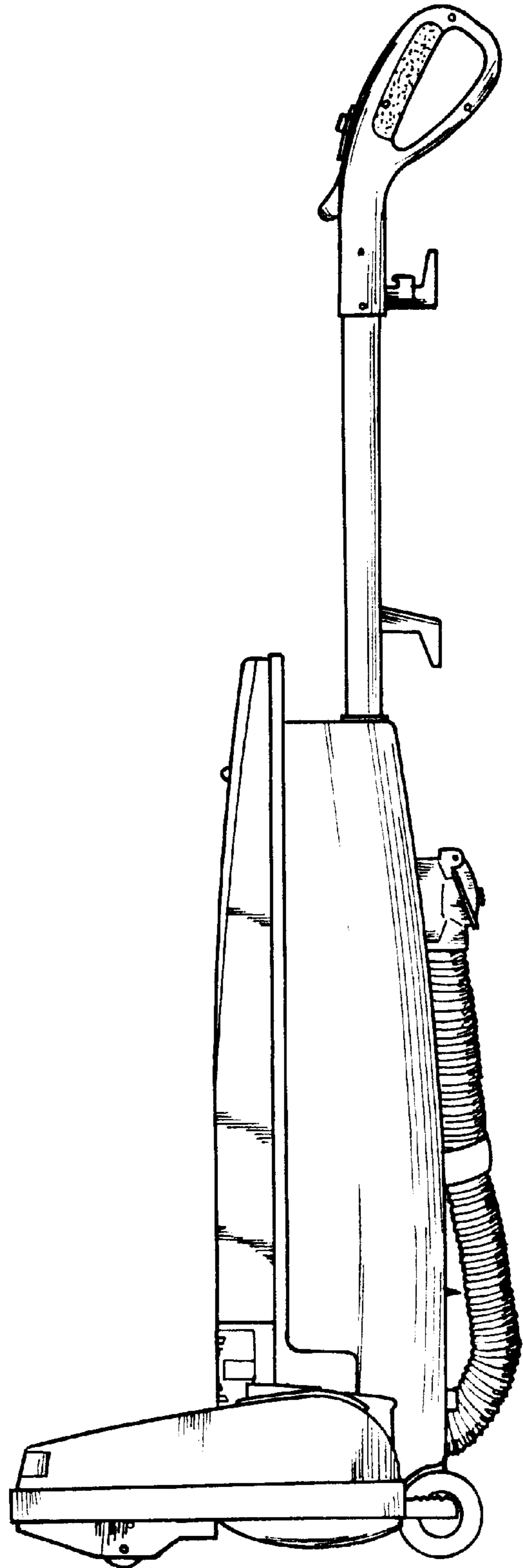


FIG. 5

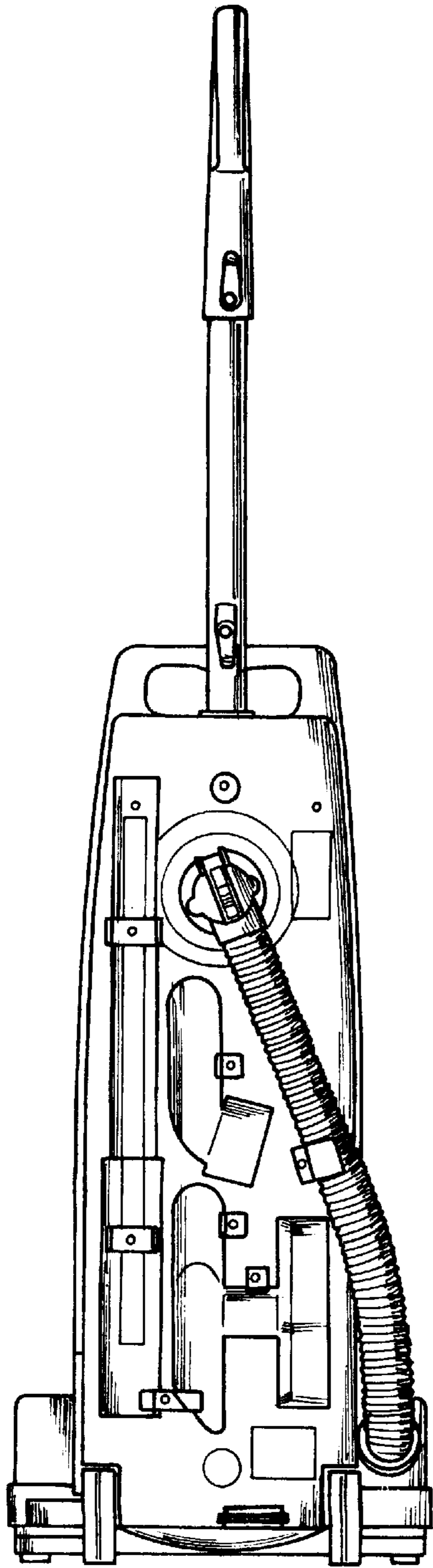


FIG.3

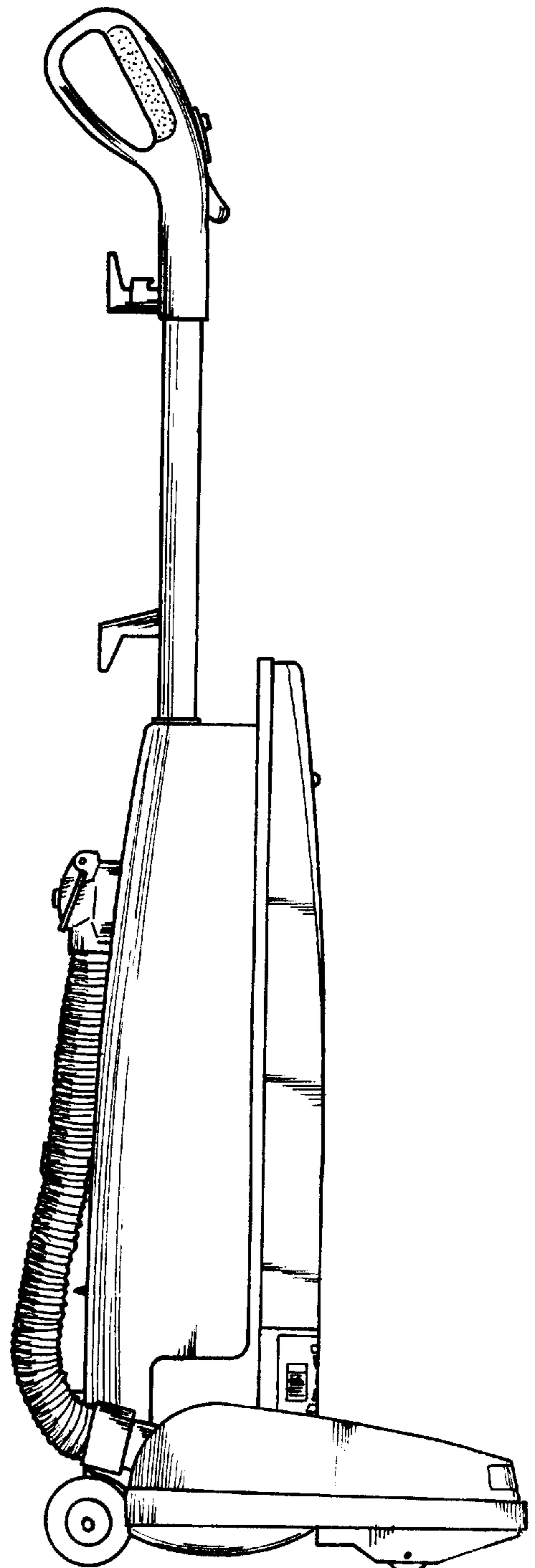


FIG.4

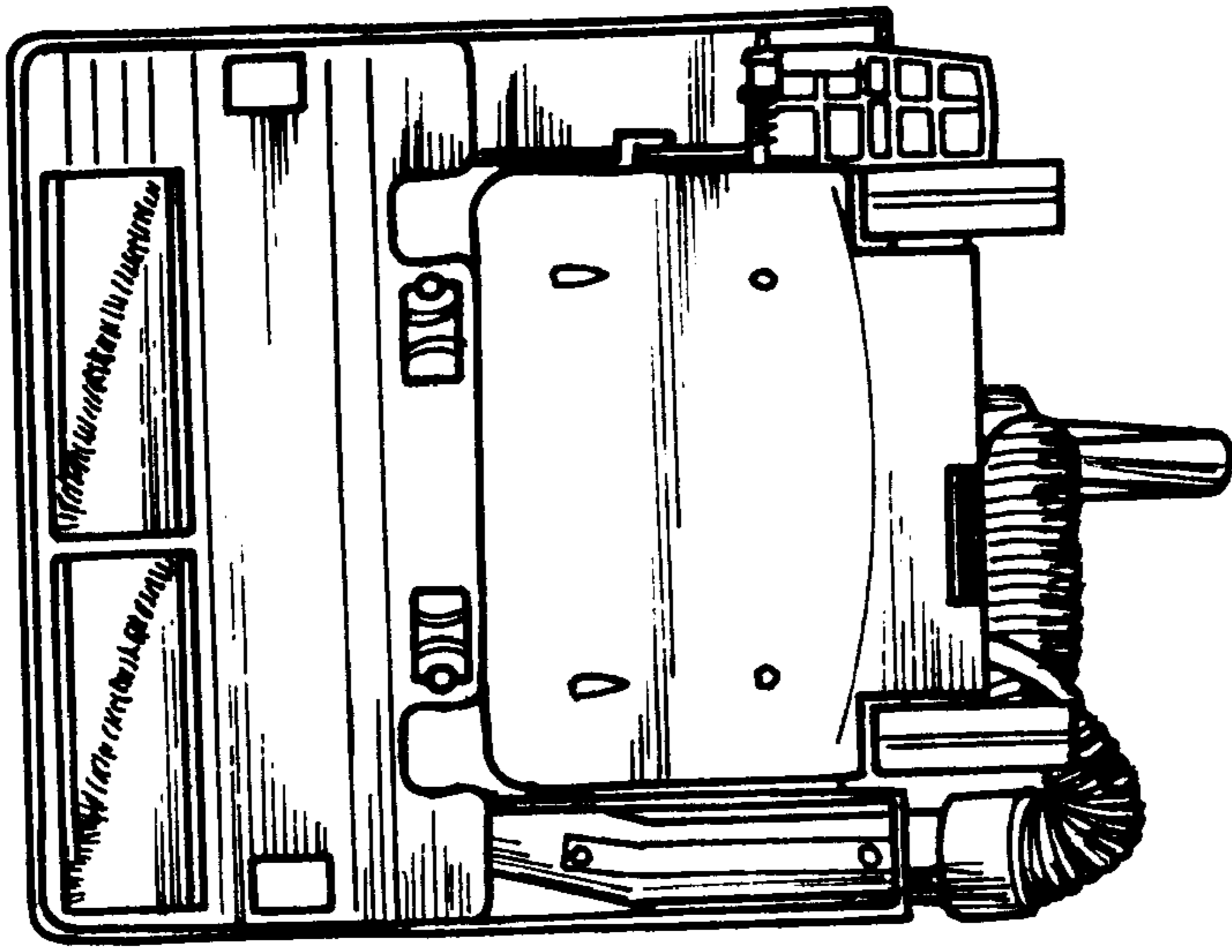


FIG.7

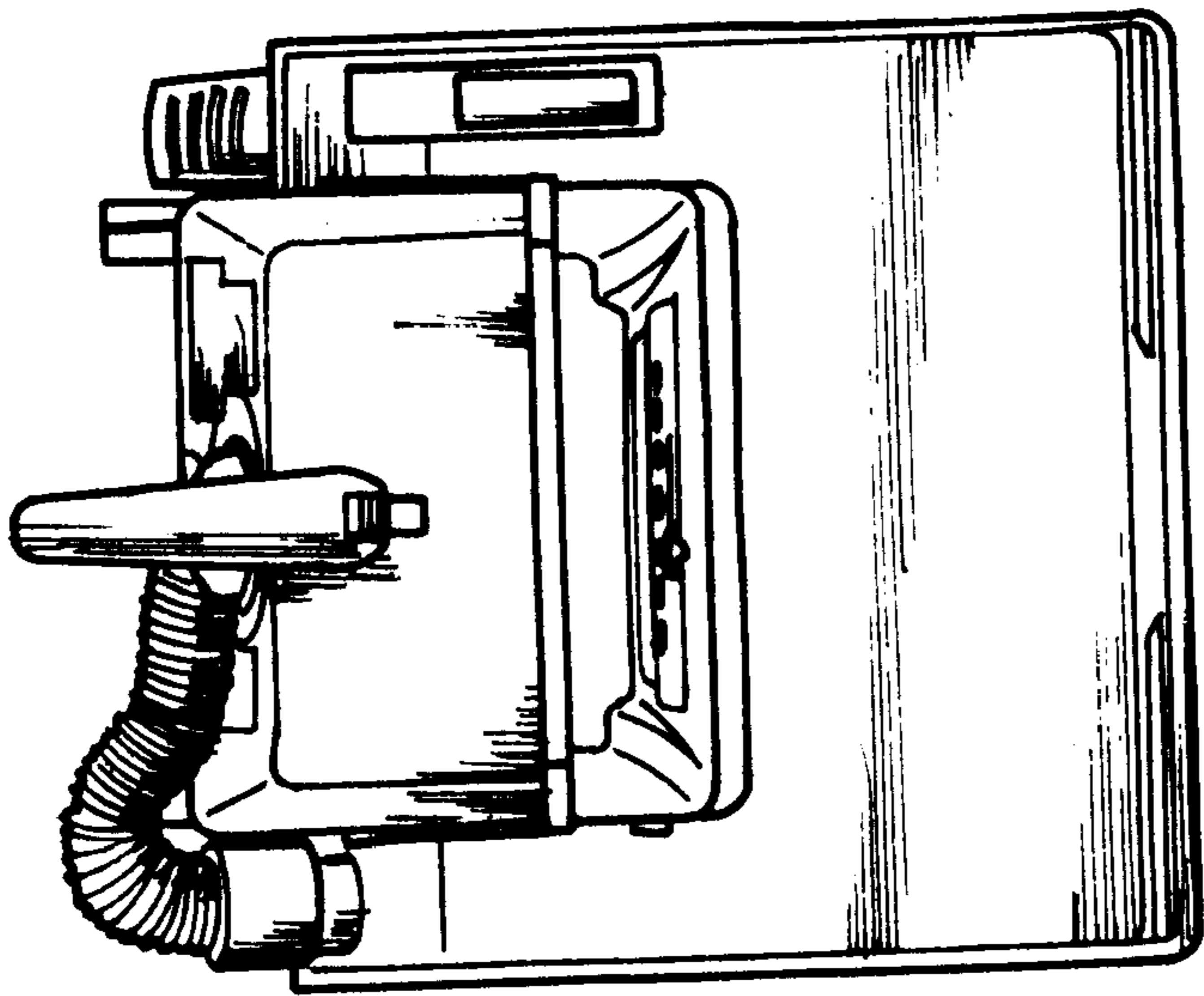


FIG.6