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

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(54) **VACUUM CLEANER**

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(73) **Assignee:** **Sharp Kabushiki Kaisha, Osaka (JP)**

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

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(30) **Foreign Application Priority Data**

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

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

(58) **Field of Search** D32/21-22, 25,
D32/31, 34; 15/329, 320-321, 323, 350-353

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | |
|-------------|---|---------|-----------------|-------|--------|
| D305,269 S | * | 12/1989 | Dyson | | D32/22 |
| D325,274 S | | 4/1992 | Ikeda | | |
| D327,145 S | | 6/1992 | Kuriya | | |
| D335,556 S | | 5/1993 | Kuriya | | |
| D343,707 S | * | 1/1994 | Dyson | | D32/22 |
| D344,164 S | | 2/1994 | Kuriya | | |
| D354,593 S | | 1/1995 | Koike | | |
| D358,913 S | | 5/1995 | Sugiyama et al. | | |
| 5,502,872 A | * | 4/1996 | Chae et al. | | 15/320 |

| | | | | | |
|--------------|---|---------|------------------|-------|---------|
| D373,665 S | | 9/1996 | Nakamura et al. | | |
| D375,820 S | * | 11/1996 | Piccaluga et al. | | D32/22 |
| D383,574 S | | 9/1997 | Saimen et al. | | |
| D398,093 S | | 9/1998 | Fujima | | |
| D403,477 S | | 12/1998 | Tsujimoto et al. | | |
| D403,478 S | | 12/1998 | Tsujimoto et al. | | |
| D421,164 S | * | 2/2000 | Luebbering | | D32/22 |
| D436,699 S | | 1/2001 | Makihara et al. | | |
| D437,666 S | * | 2/2001 | Park | | D32/22 |
| D443,004 S | * | 5/2001 | Chan | | D21/526 |
| 6,253,414 B1 | * | 7/2001 | Bradd et al. | | 15/320 |

* cited by examiner

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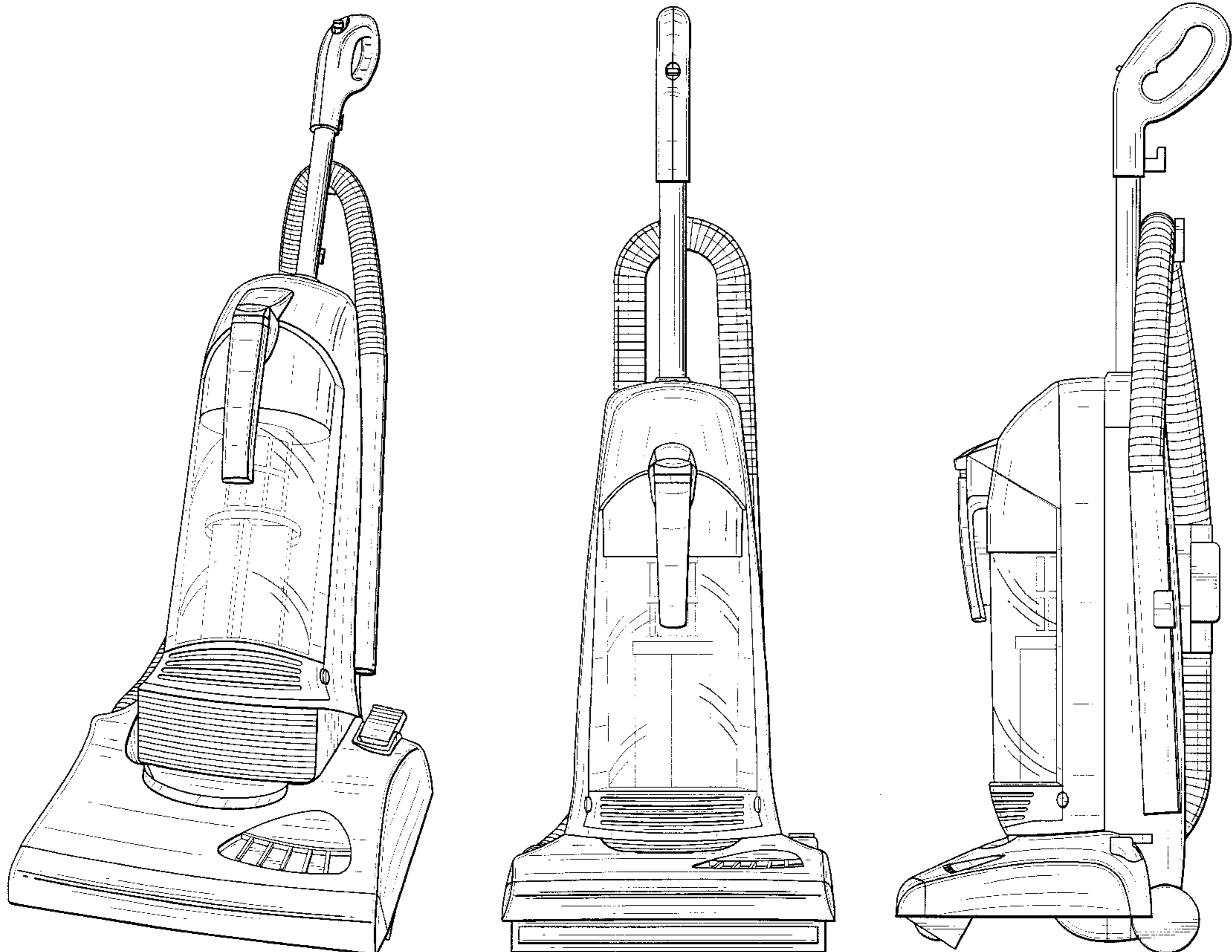
(57) **CLAIM**

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 front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a bottom plan view thereof; and, FIG. 7 is a top plan view thereof.

1 Claim, 6 Drawing Sheets



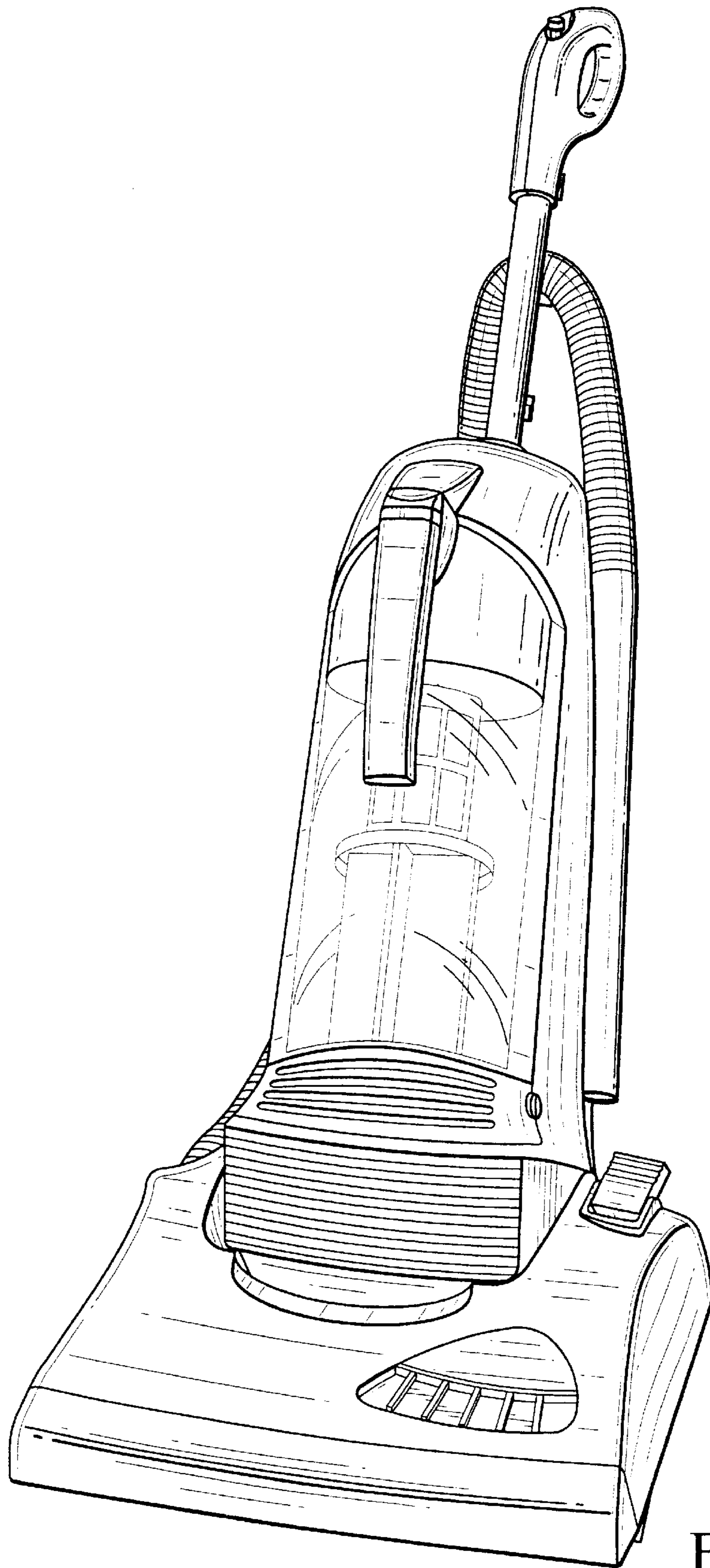


Fig. 1

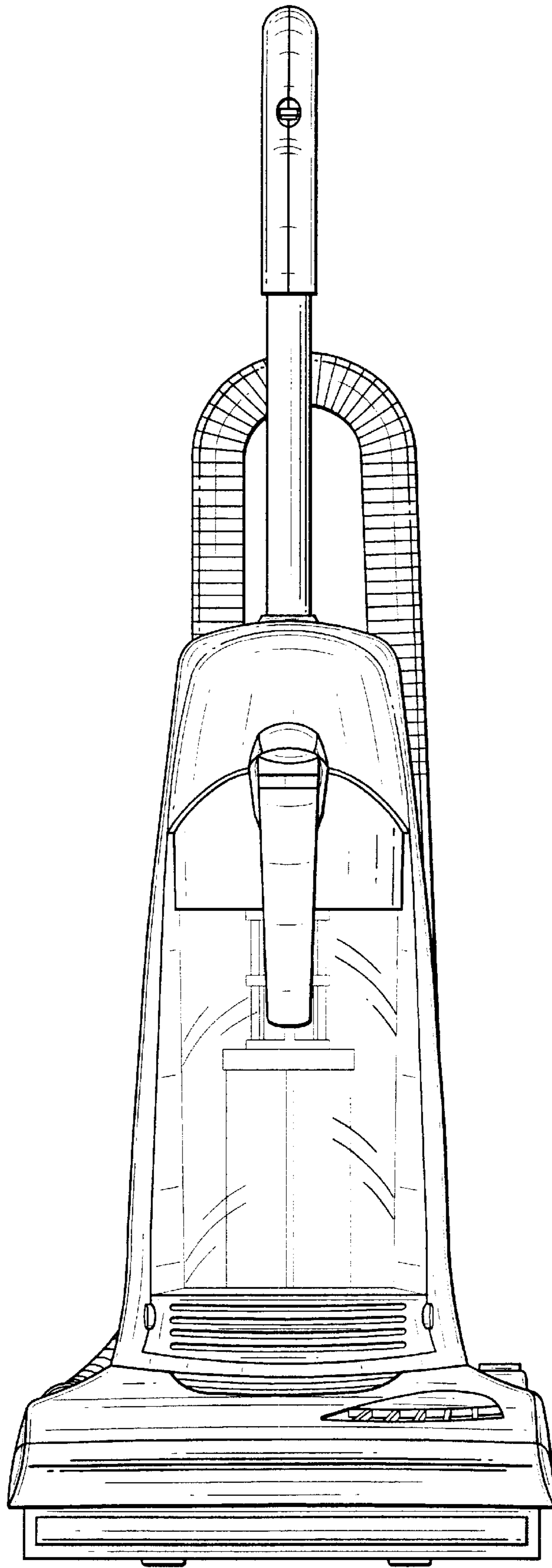


Fig. 2

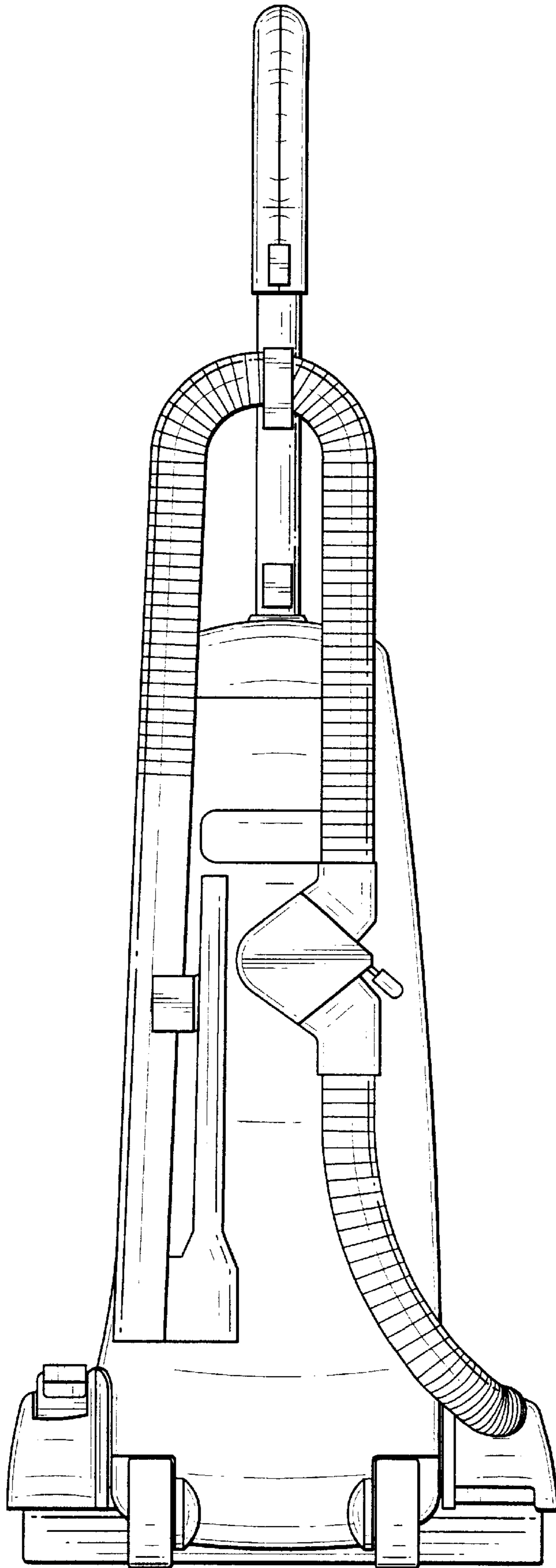


Fig. 3

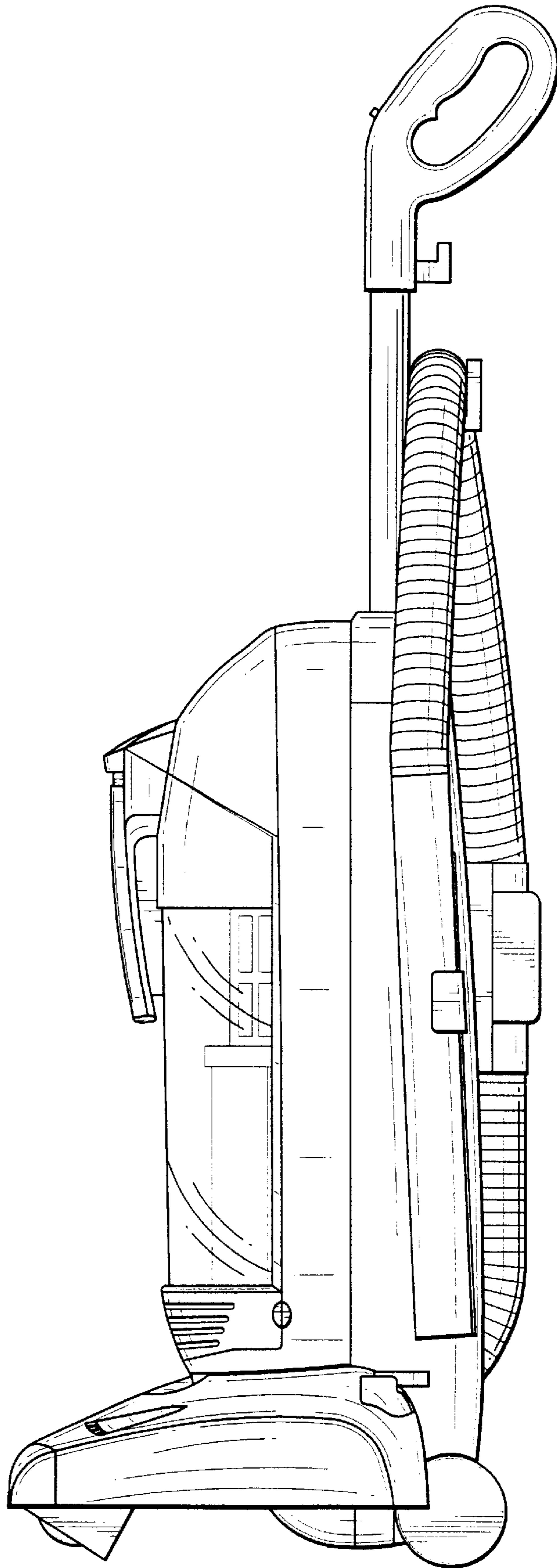


Fig. 4

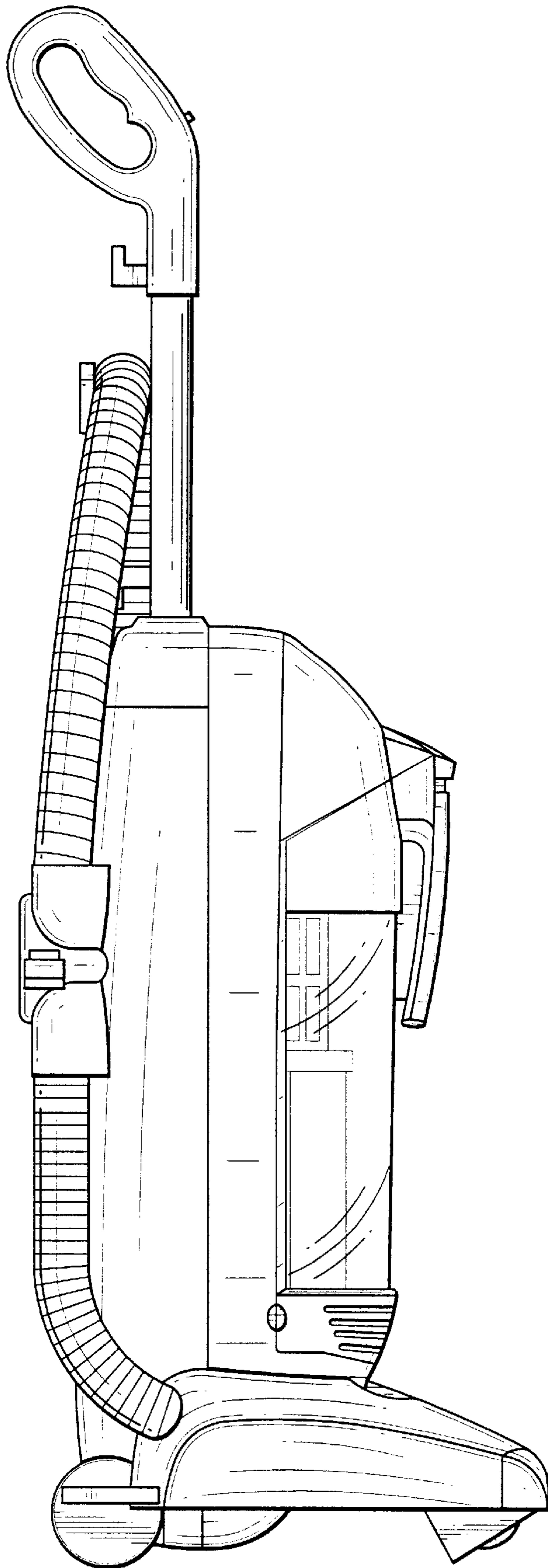


Fig. 5

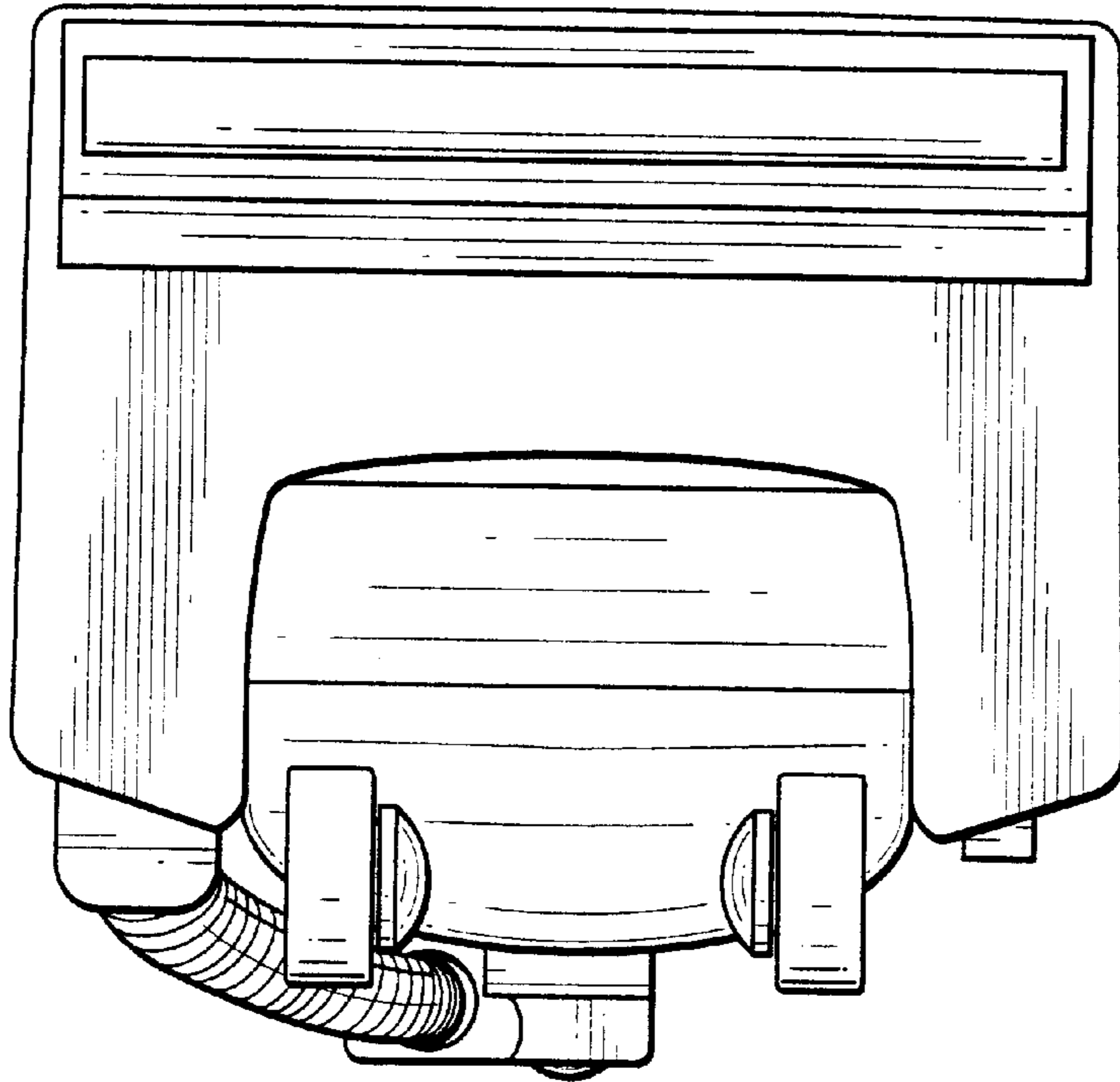


Fig. 6

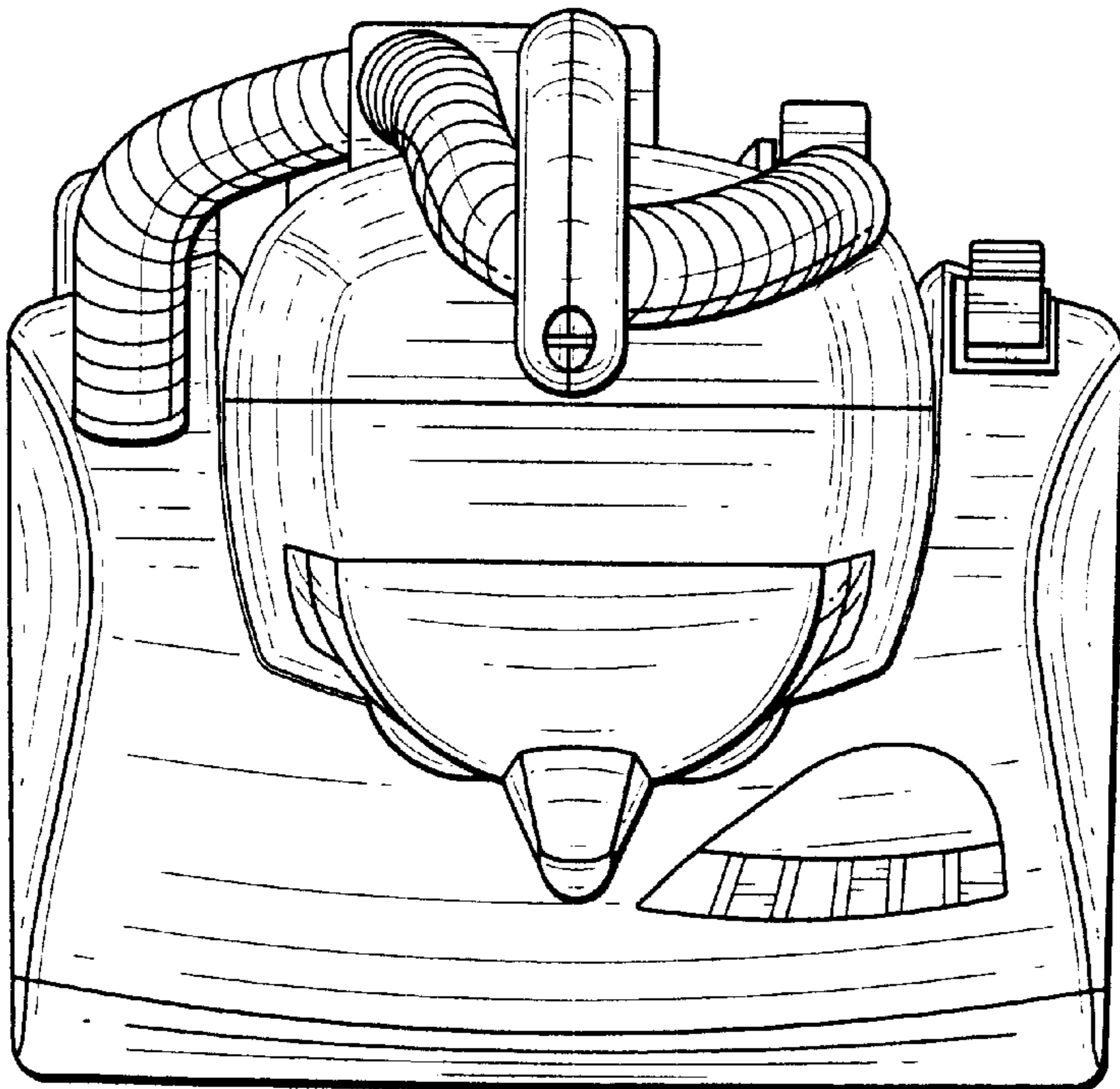


Fig. 7