



US00D428538S

United States Patent [19]
Kraeutle

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[45] **Date of Patent: ** Jul. 18, 2000**

[54] **VACUUM CLEANER**

[75] Inventor: **Chris Kraeutle**, Palo Alto, Calif.

[73] Assignee: **LG Electronics Inc.**, Seoul, Rep. of Korea

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

[21] Appl. No.: **29/094,361**

[22] Filed: **Sep. 30, 1998**

[30] **Foreign Application Priority Data**

Mar. 31, 1998 [KR] Rep. of Korea 98-4949

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

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

[58] **Field of Search** D32/21, 22, 50,
D32/51; D4/100; 15/350, 344, 329, 320-321,
144.4, 398, 410, 246, 400

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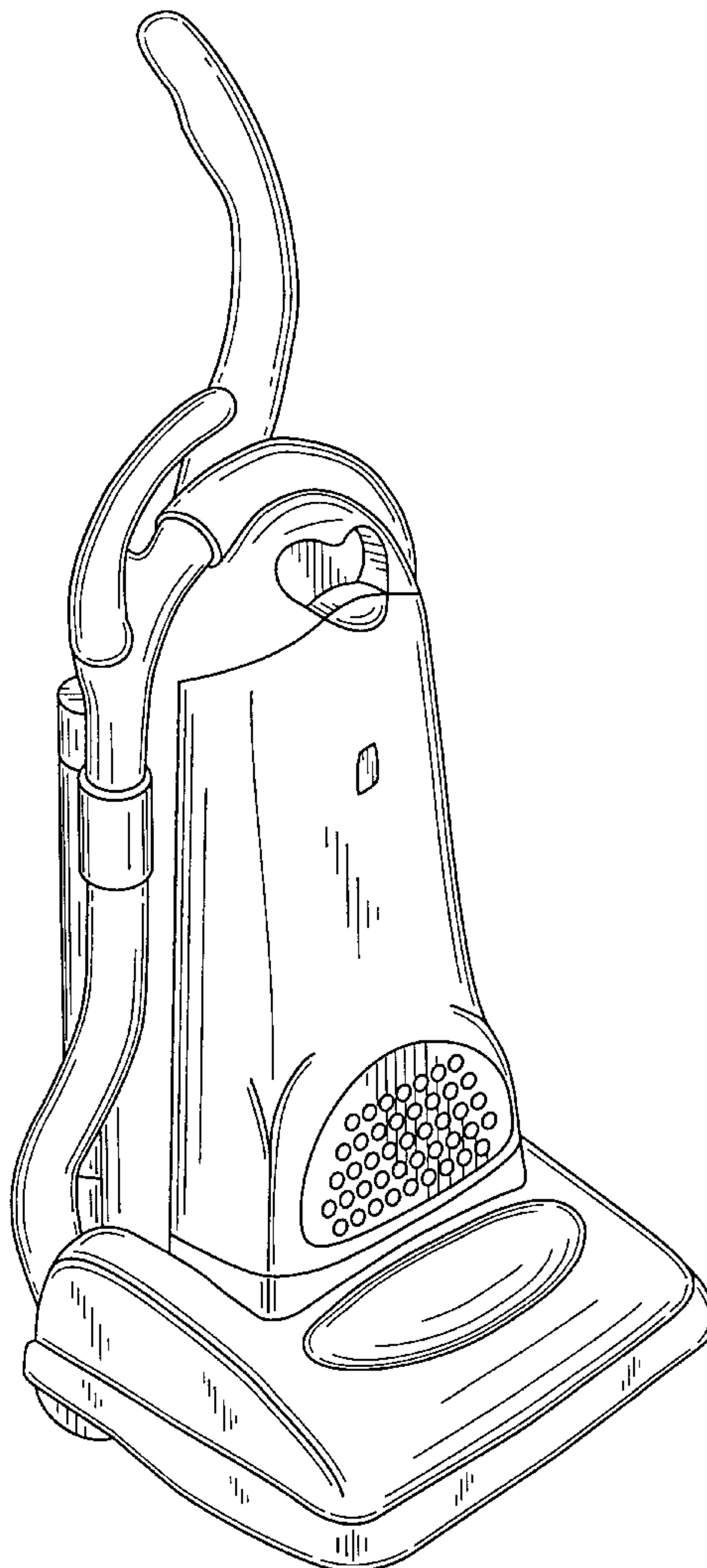
[57] **CLAIM**

The ornamental design for a vacuum cleaner, as shown and described.

DESCRIPTION

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

1 Claim, 7 Drawing Sheets



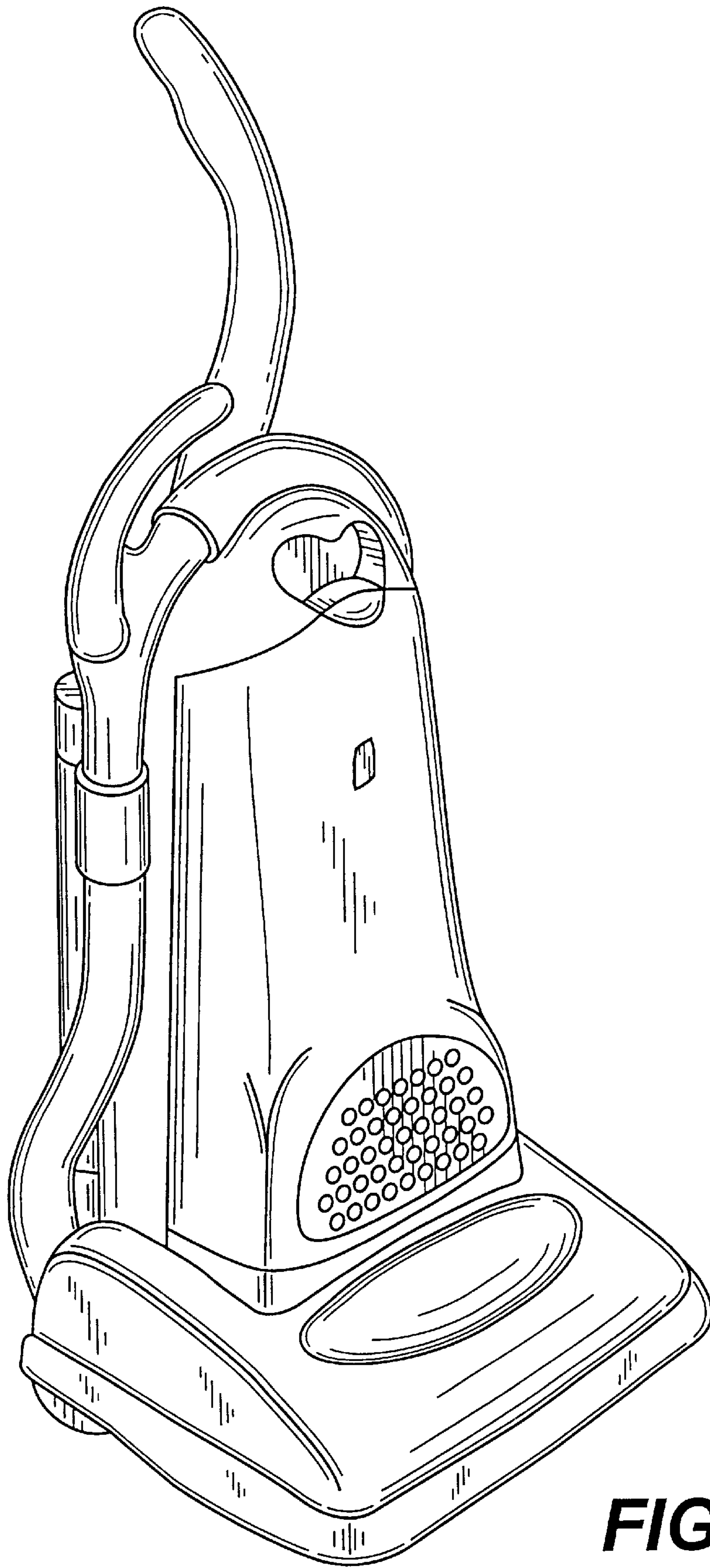


FIG. 1

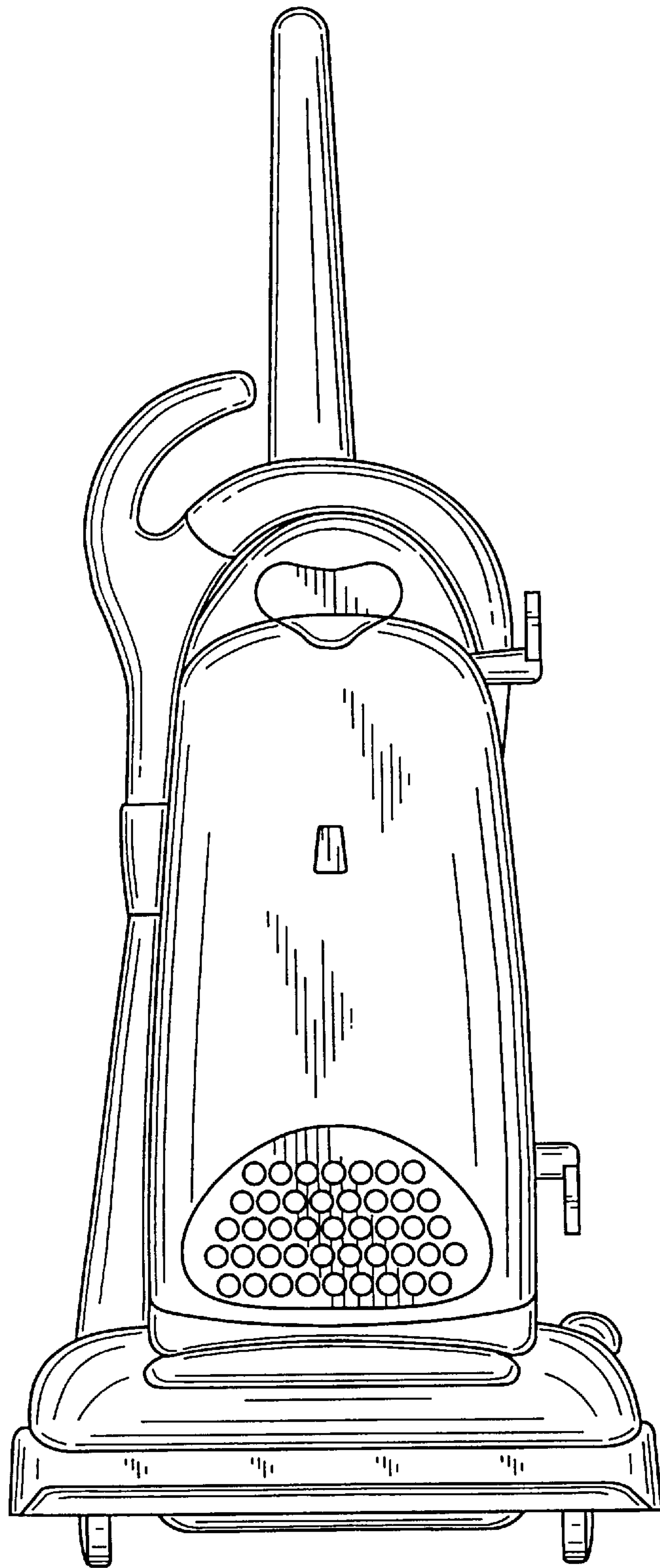


FIG. 2

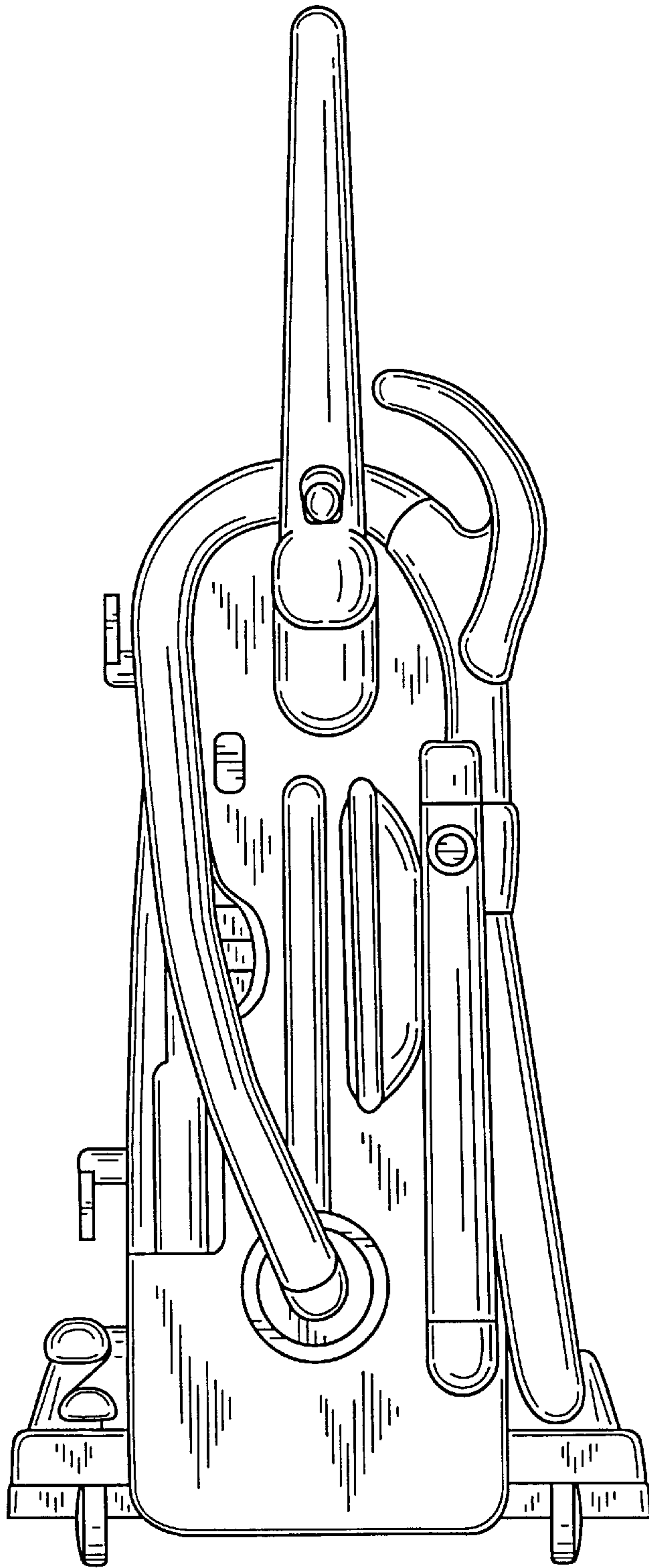


FIG. 3

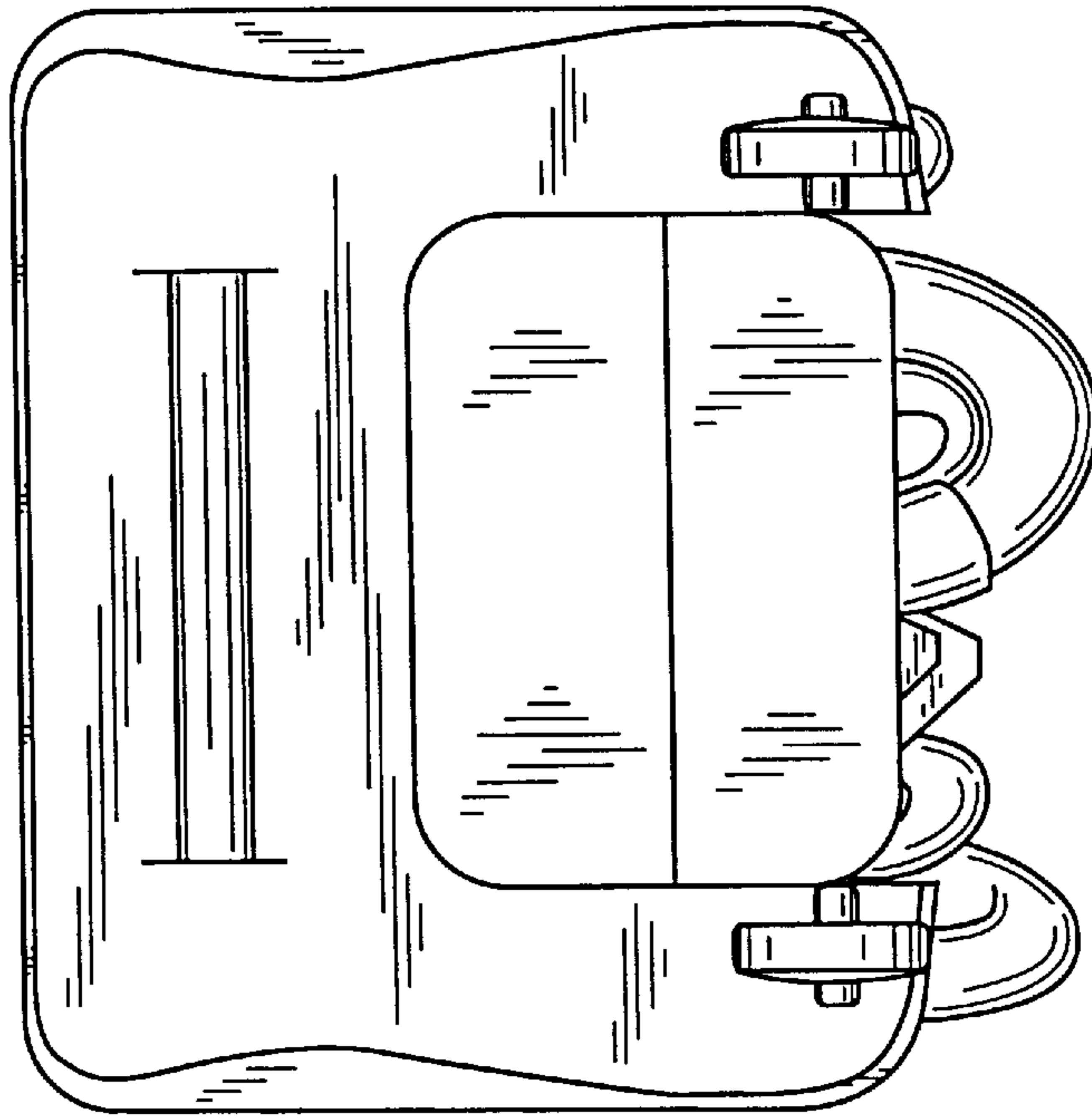


FIG. 5

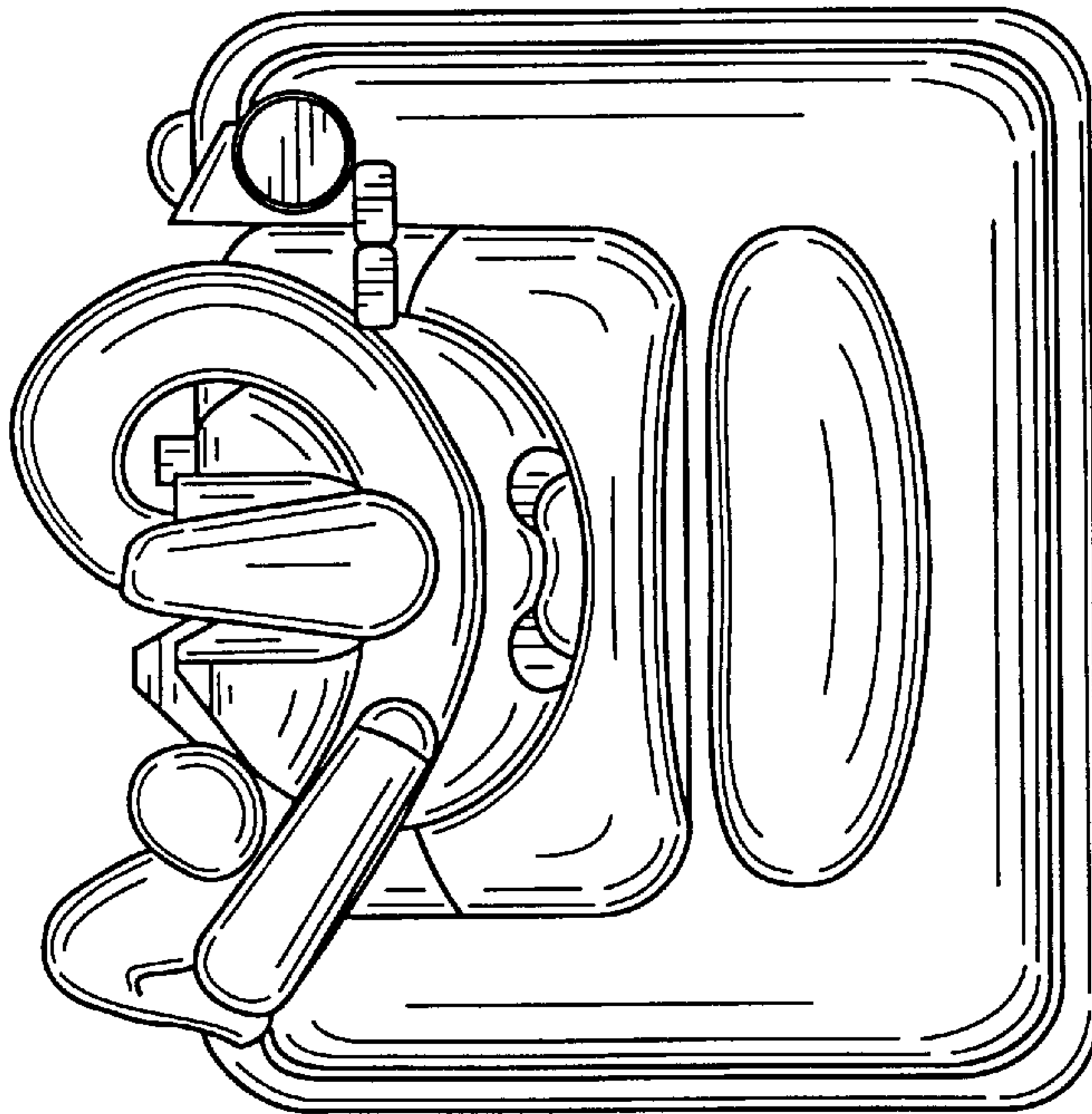


FIG. 4

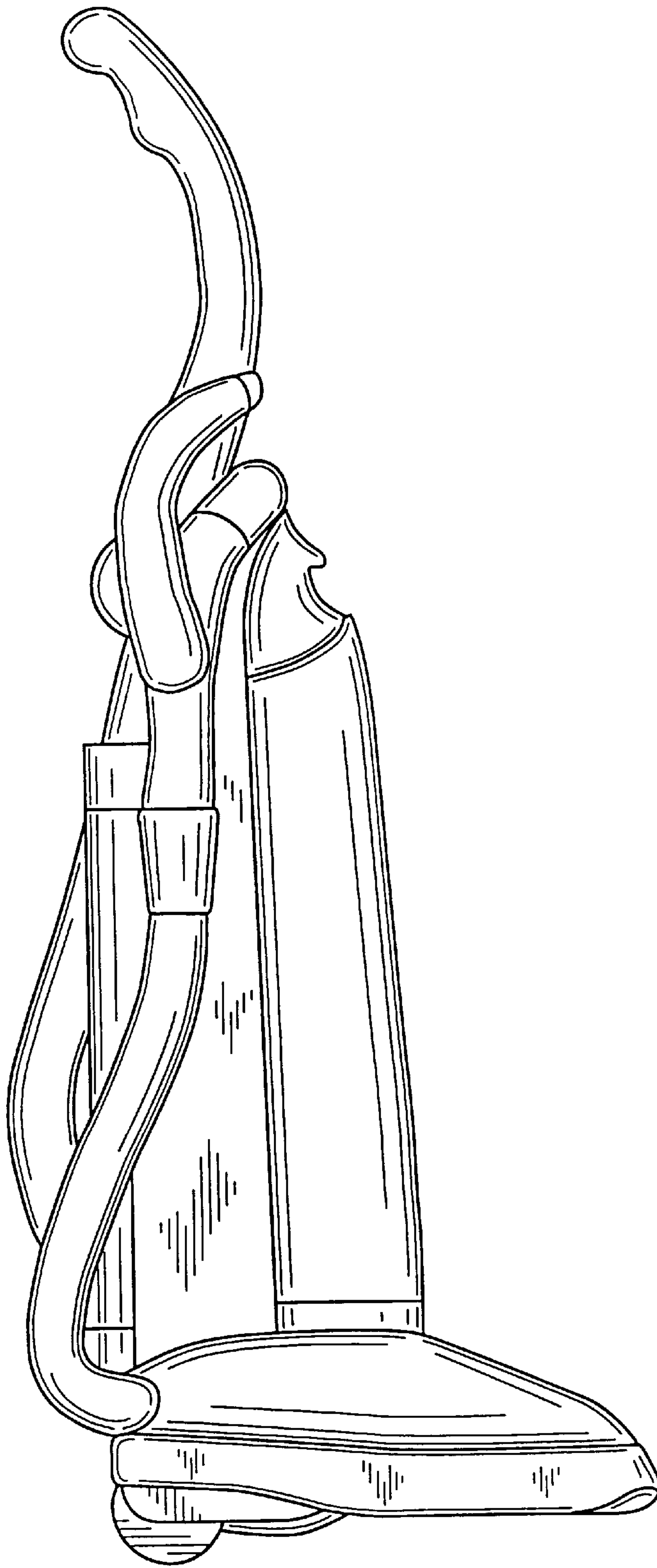


FIG. 6

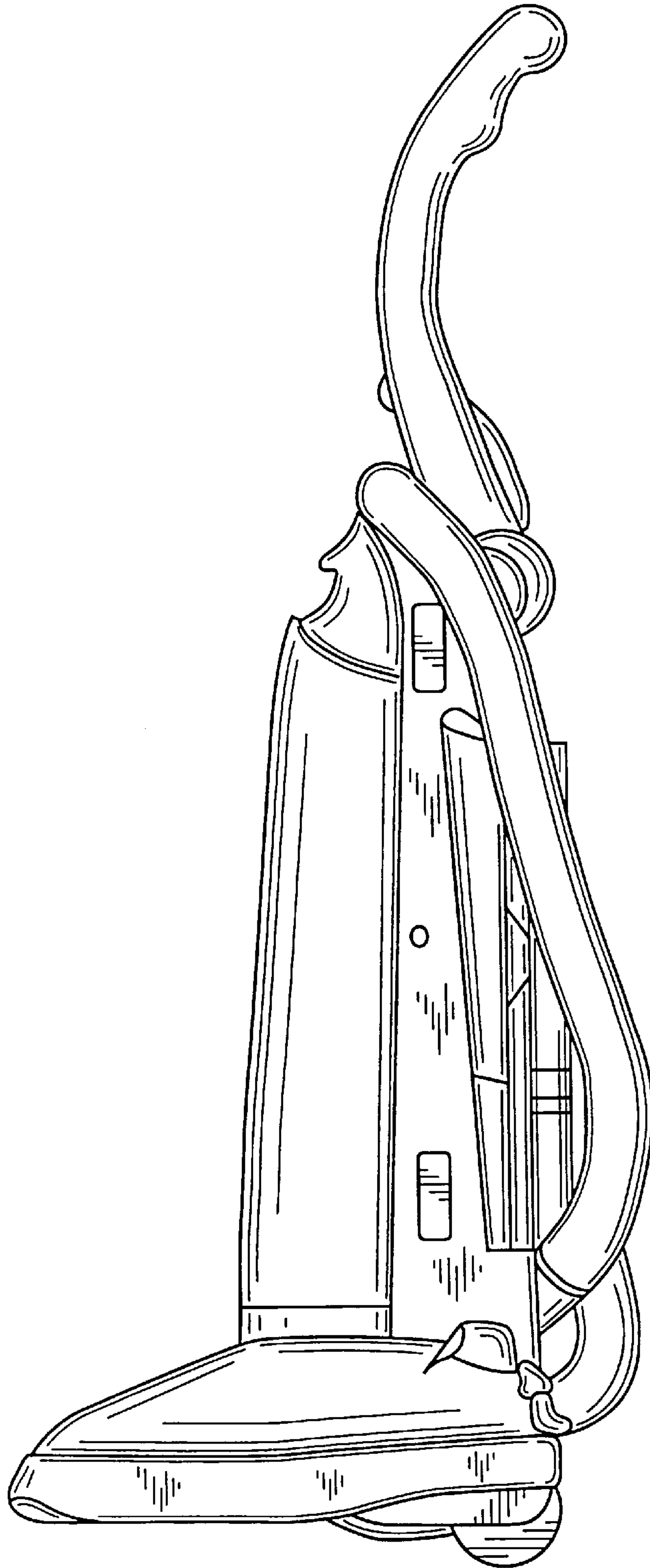


FIG. 7

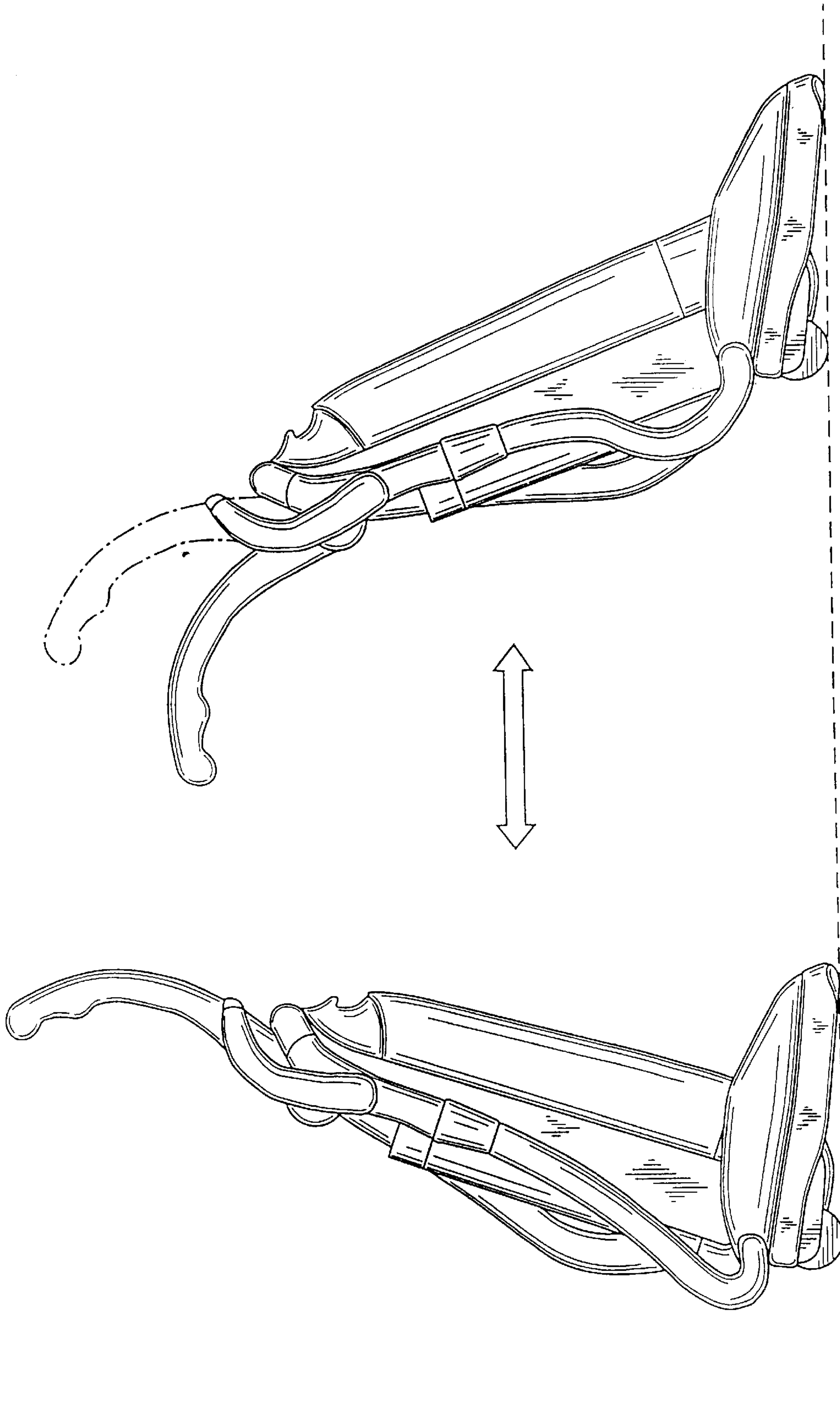


FIG. 8