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# United States Patent [19]

Wang et al.

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[54] VACUUM CLEANER

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[73] Assignee: Kinergy Industrial Co., Ltd.,  
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[\*\*] Term: 14 Years

[21] Appl. No.: 29/085,268

[22] Filed: Mar. 19, 1998

[51] LOC (6) 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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Primary Examiner—Ruth McInroy

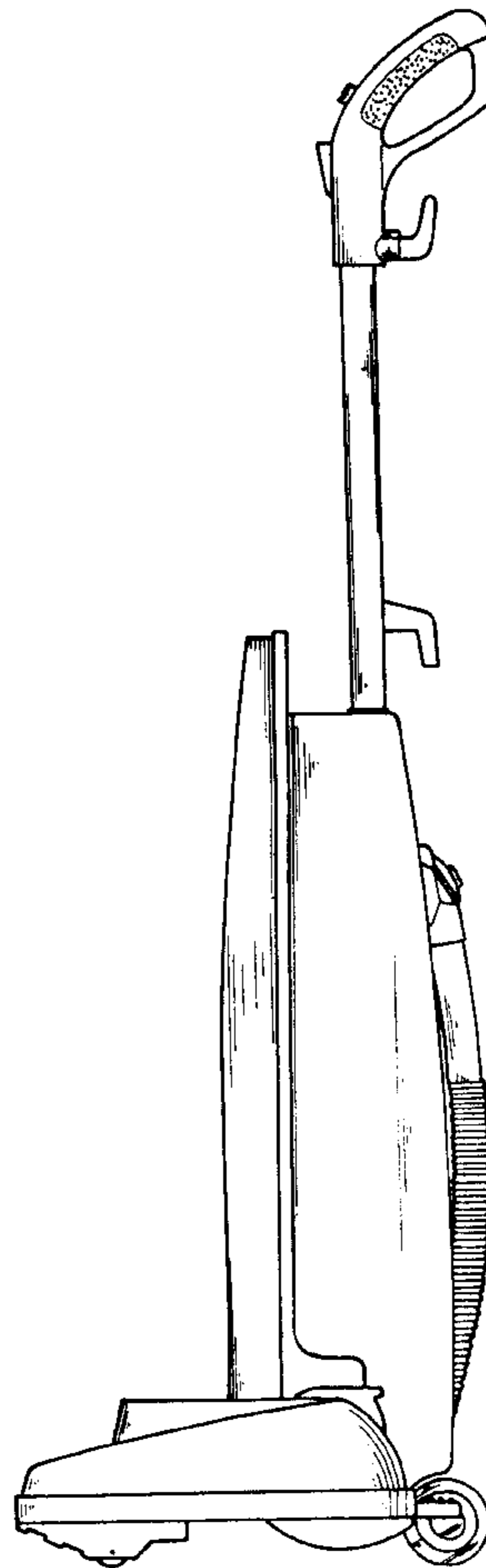
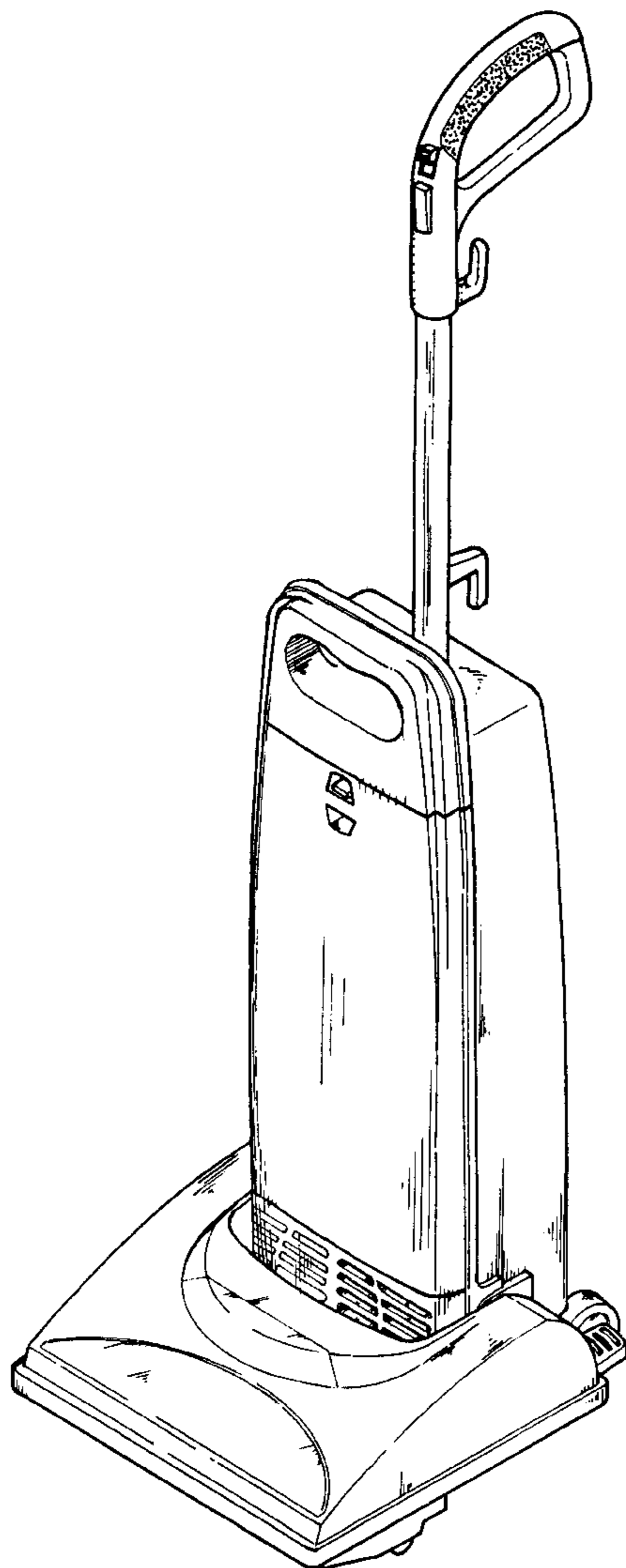
### [57] CLAIM

The ornamental design for a vacuum cleaner, as shown.

### DESCRIPTION

FIG. 1 is a perspective view of a 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.

1 Claim, 4 Drawing Sheets



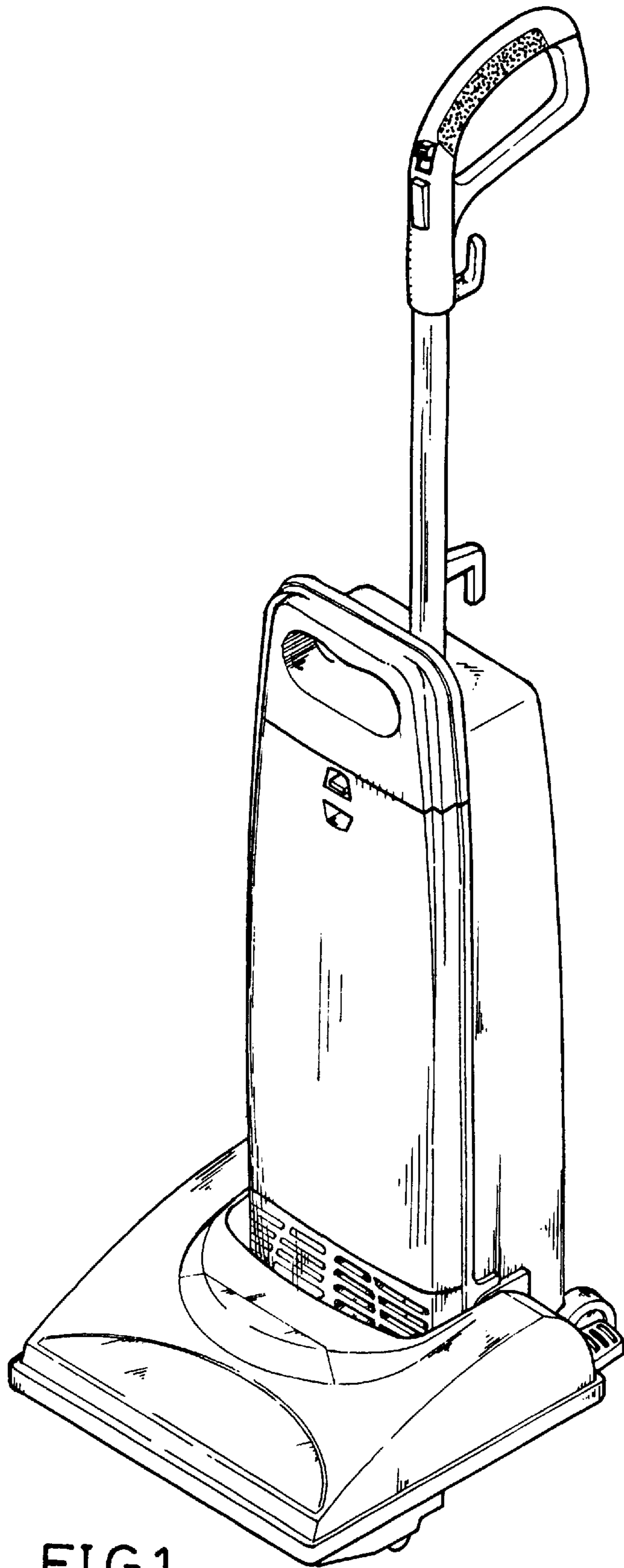


FIG. 1

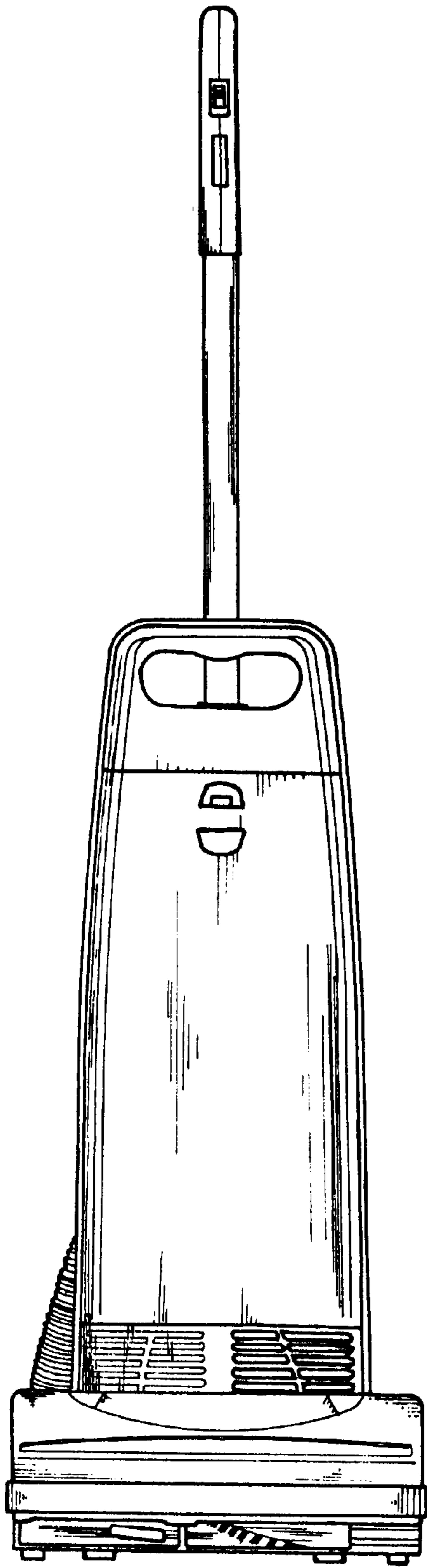


FIG. 2

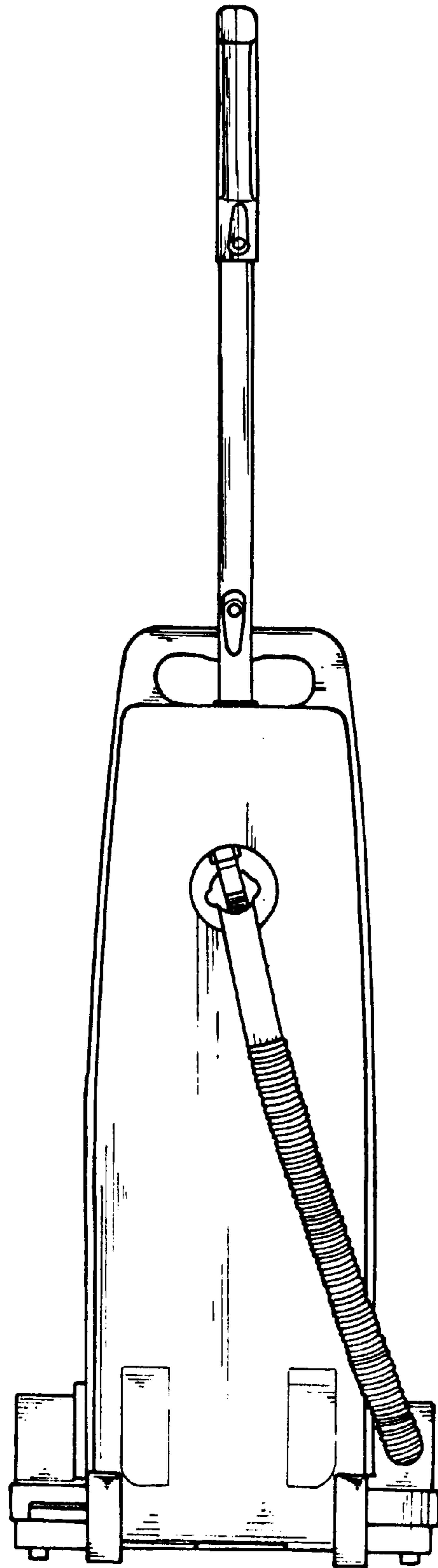


FIG. 3

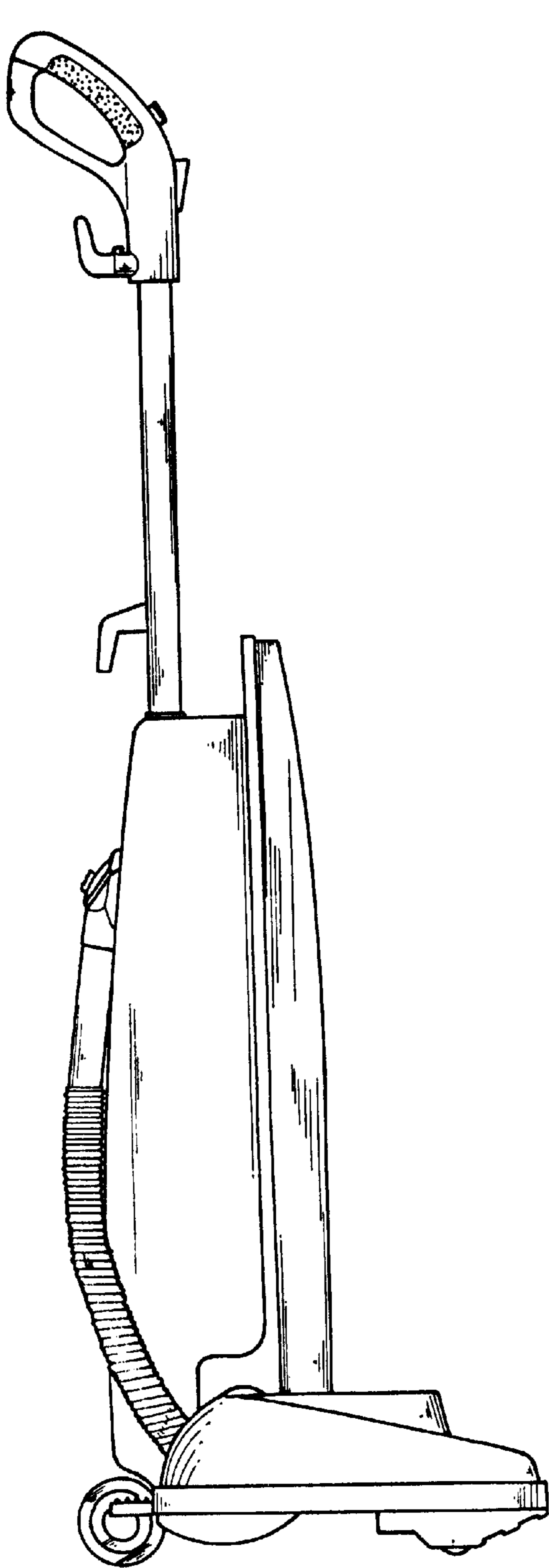


FIG. 4

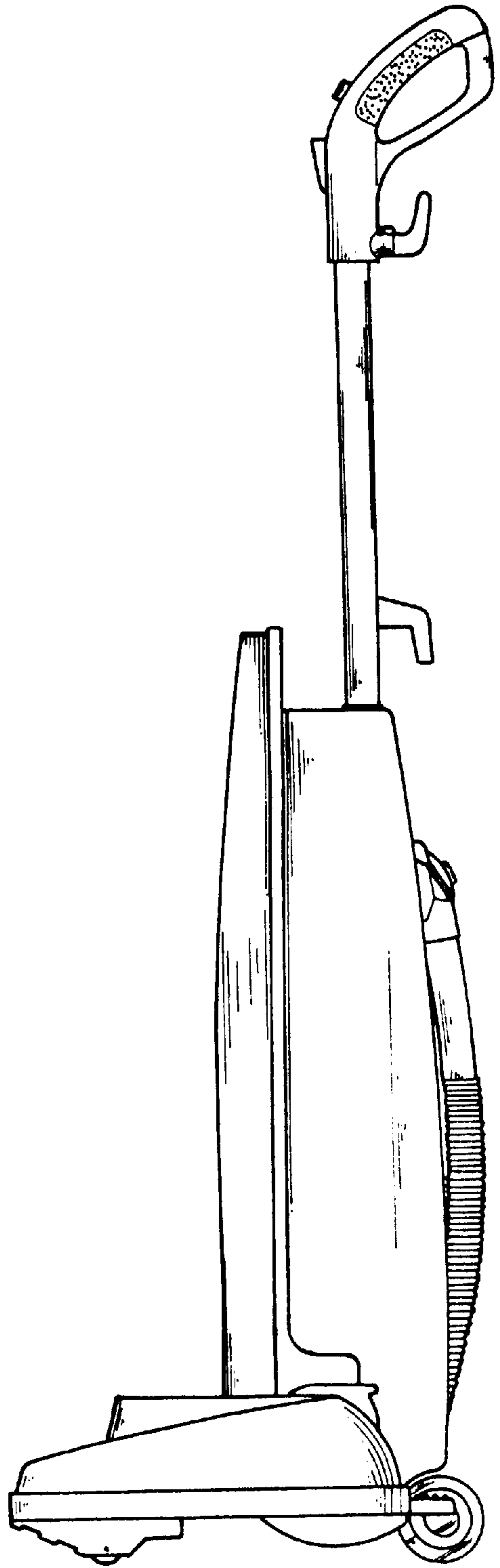


FIG. 5

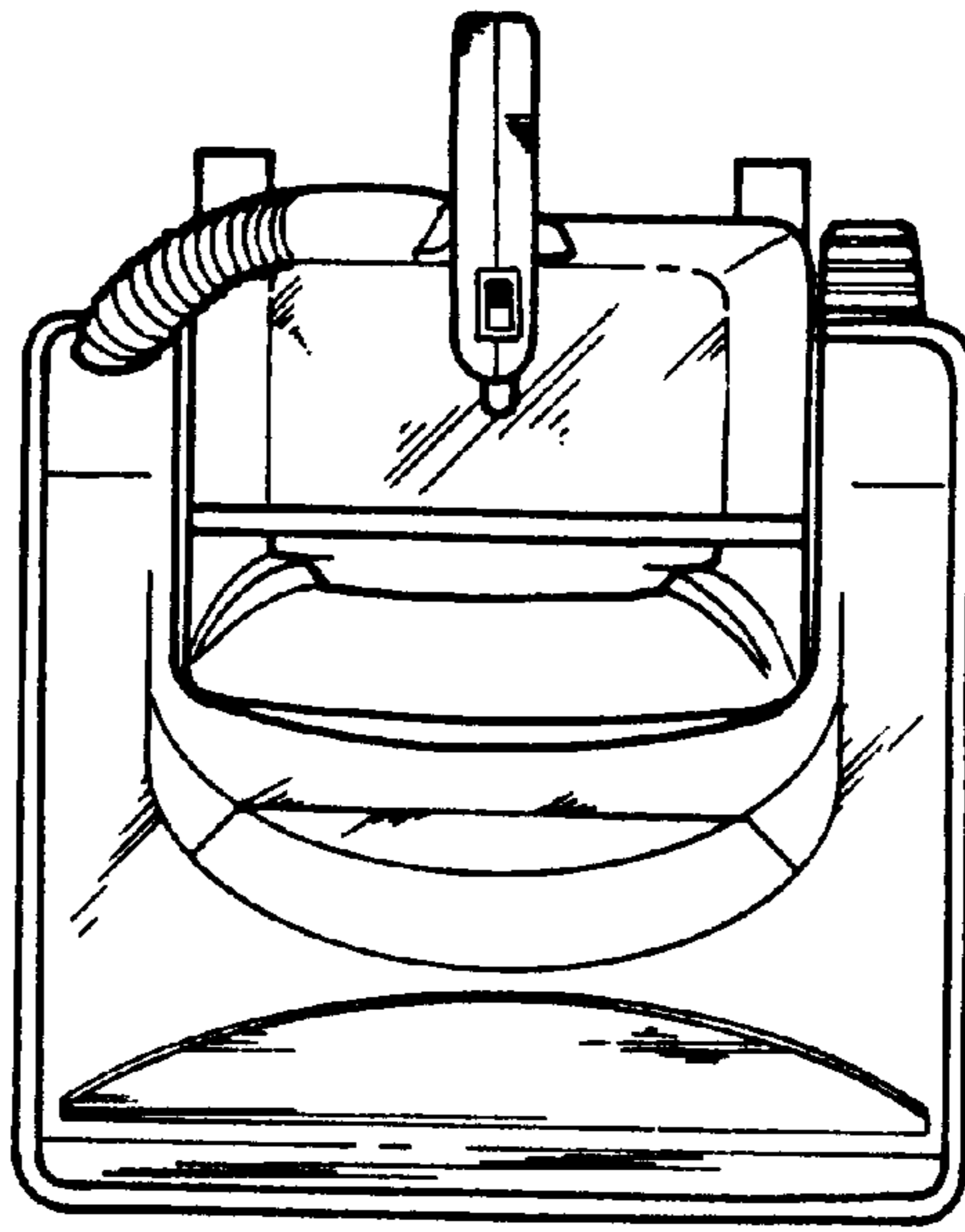


FIG. 6

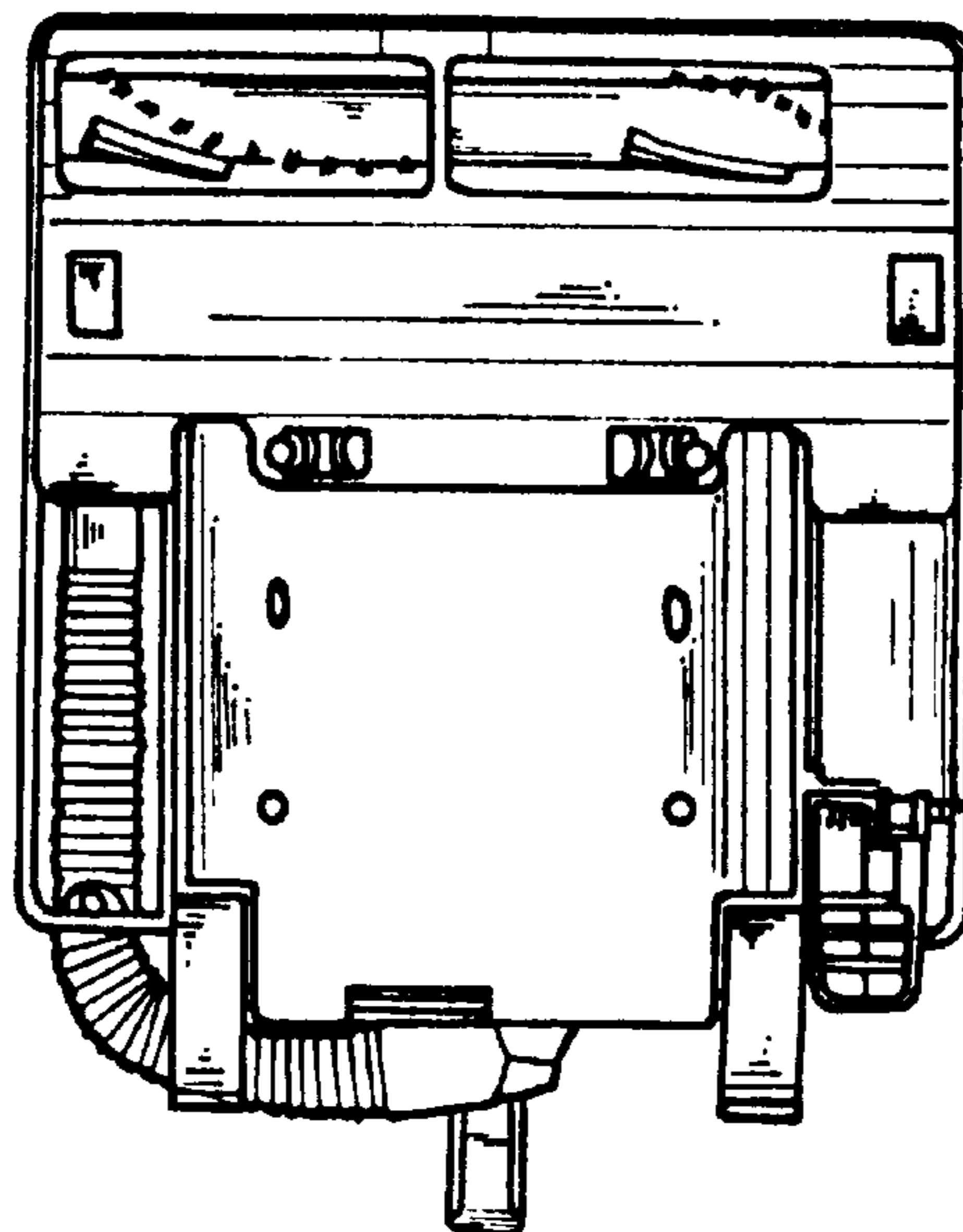


FIG. 7