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

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(54) **FLOOR CLEANER**

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(**) Term: **15 Years**

(21) Appl. No.: **29/626,383**

(22) Filed: **Nov. 16, 2017**

(30) **Foreign Application Priority Data**

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(51) **LOC (12) Cl.** **15-05**

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

(58) **Field of Classification Search**
USPC D32/22, 31, 17
CPC A47L 11/20; A47L 11/34; A47L 11/40;
A47L 11/4016; A47L 5/28; A47L 5/24;
A47L 7/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D646,856 S * 10/2011 Breit D32/22
D768,944 S * 10/2016 Zhang D32/22

D804,751 S * 12/2017 Johnson D32/22
10,092,155 B2 * 10/2018 Xia A47L 11/302
D836,863 S * 12/2018 Theising D32/22
D837,469 S * 1/2019 Johnson D32/22
D844,914 S * 4/2019 Houghton D32/22

* cited by examiner

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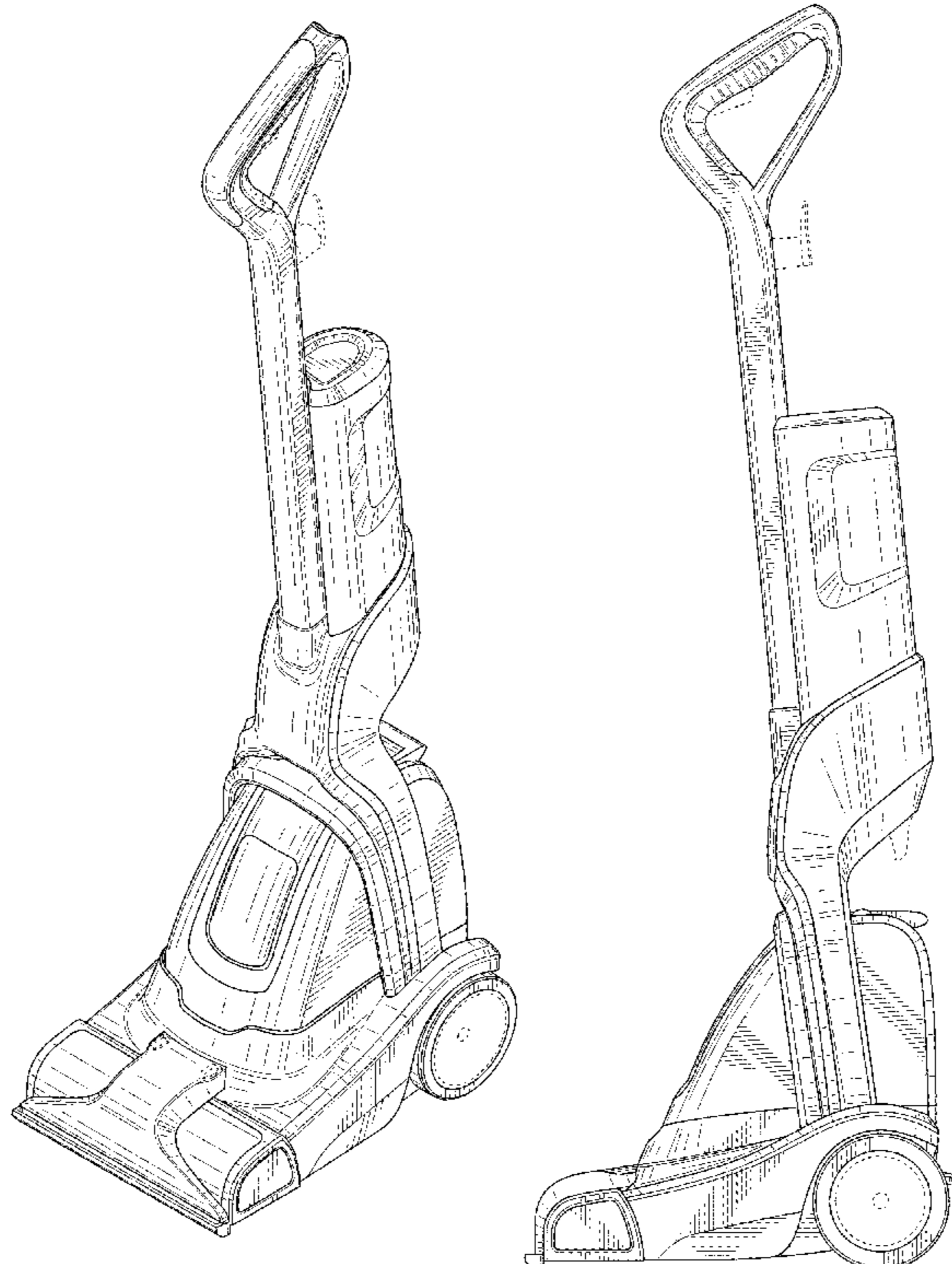
(57) **CLAIM**

I claim the ornamental design for a floor cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a floor cleaner showing our new design;
FIG. 2 is a front 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.
Elements shown in broken lines are included for the purpose of showing environment and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



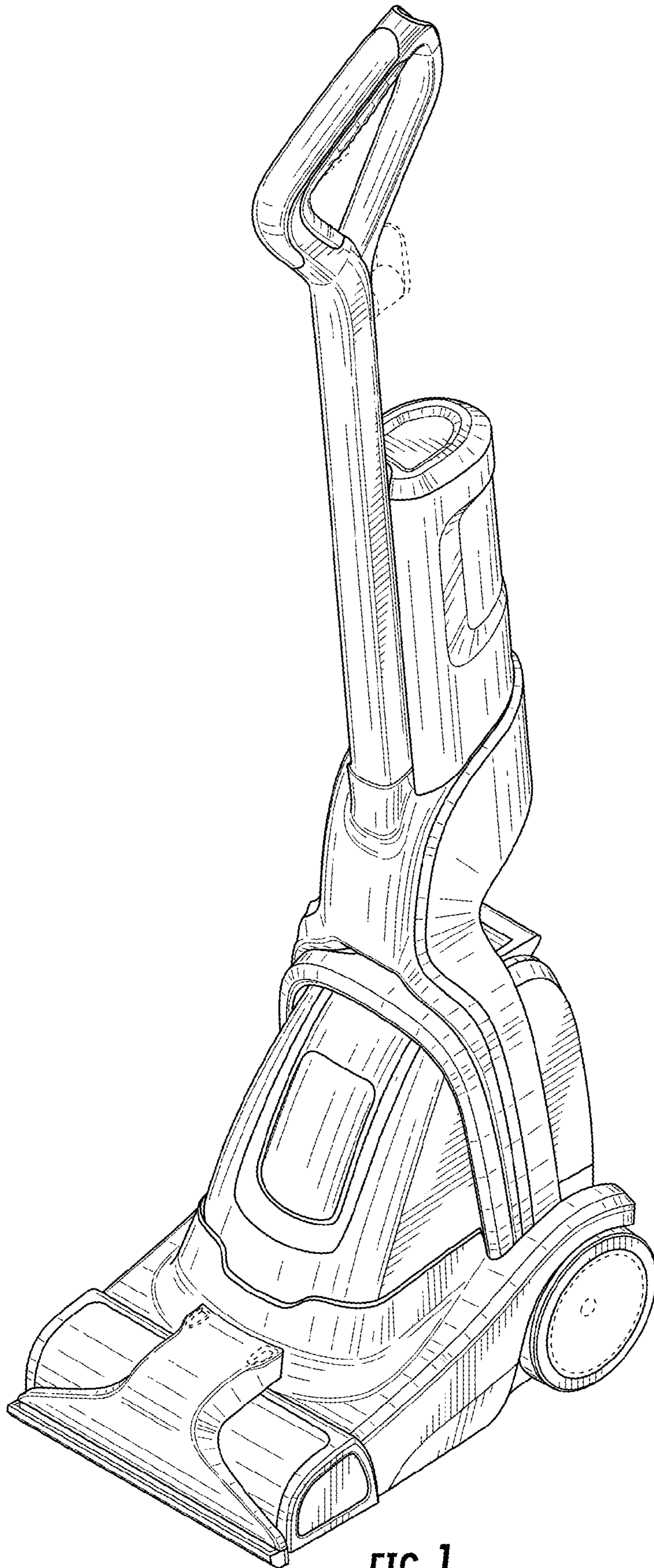


FIG. 1

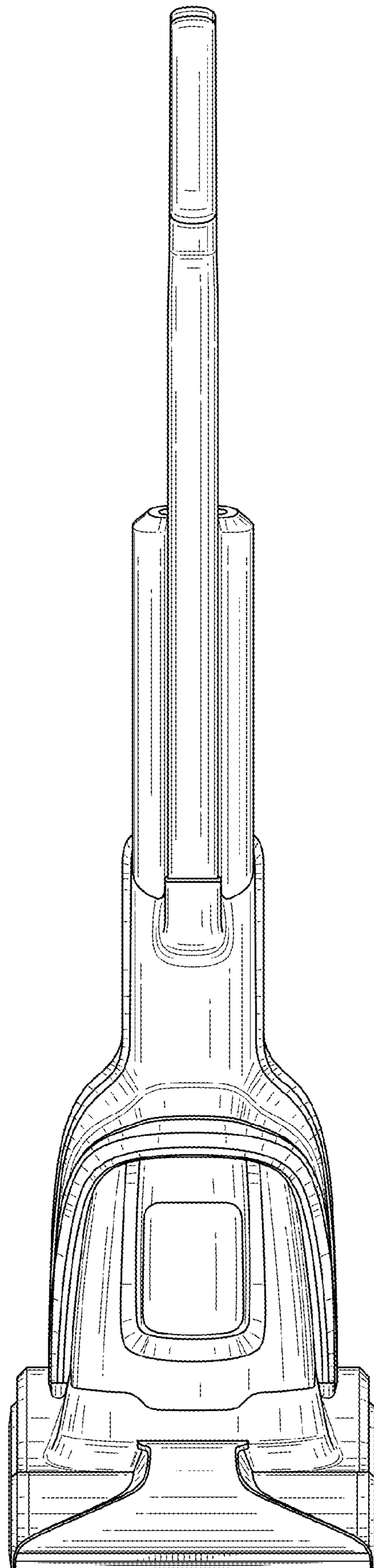


FIG. 2

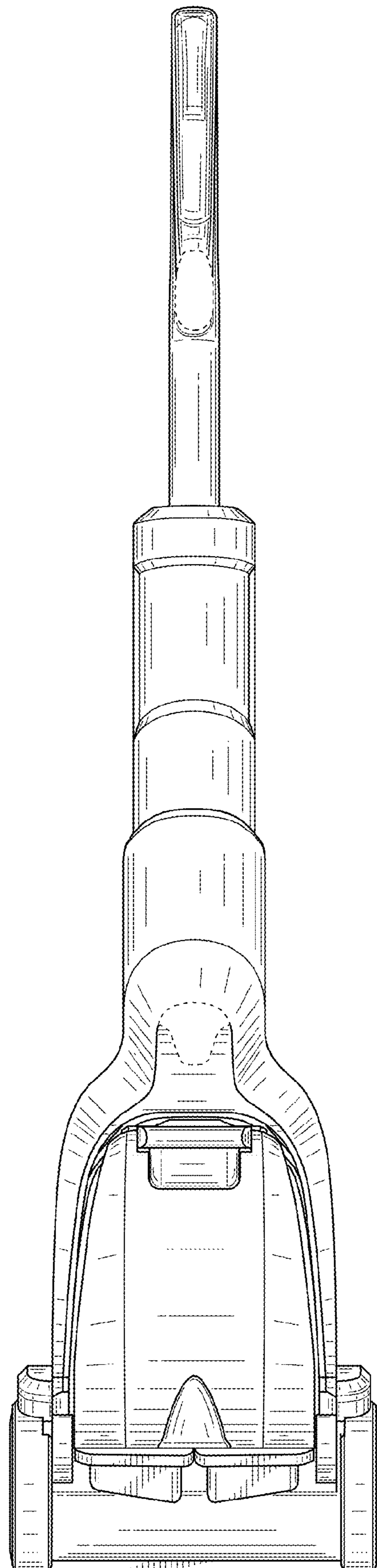


FIG. 3

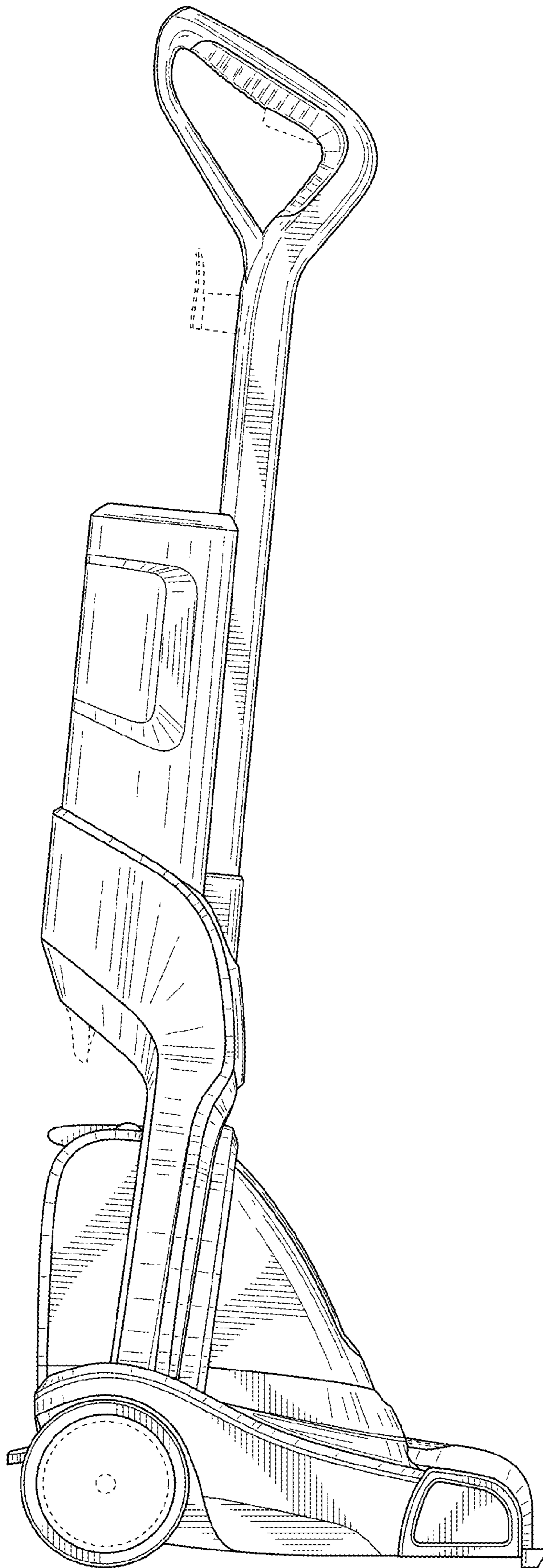


FIG. 4

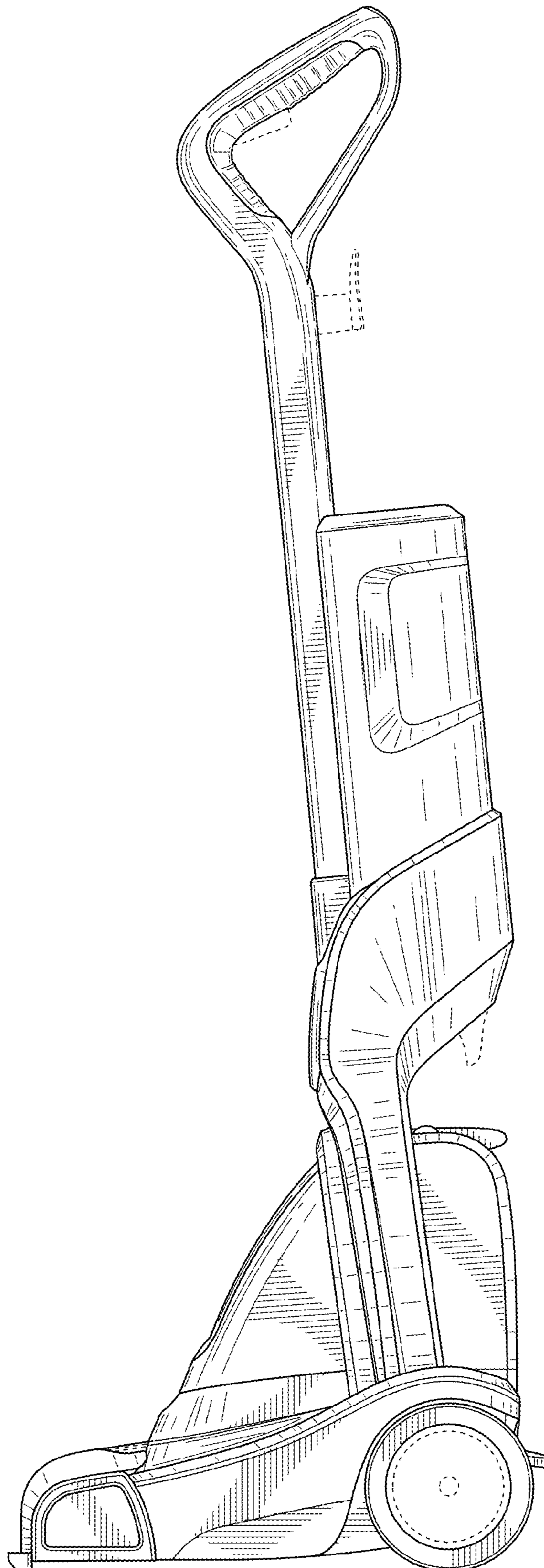


FIG. 5

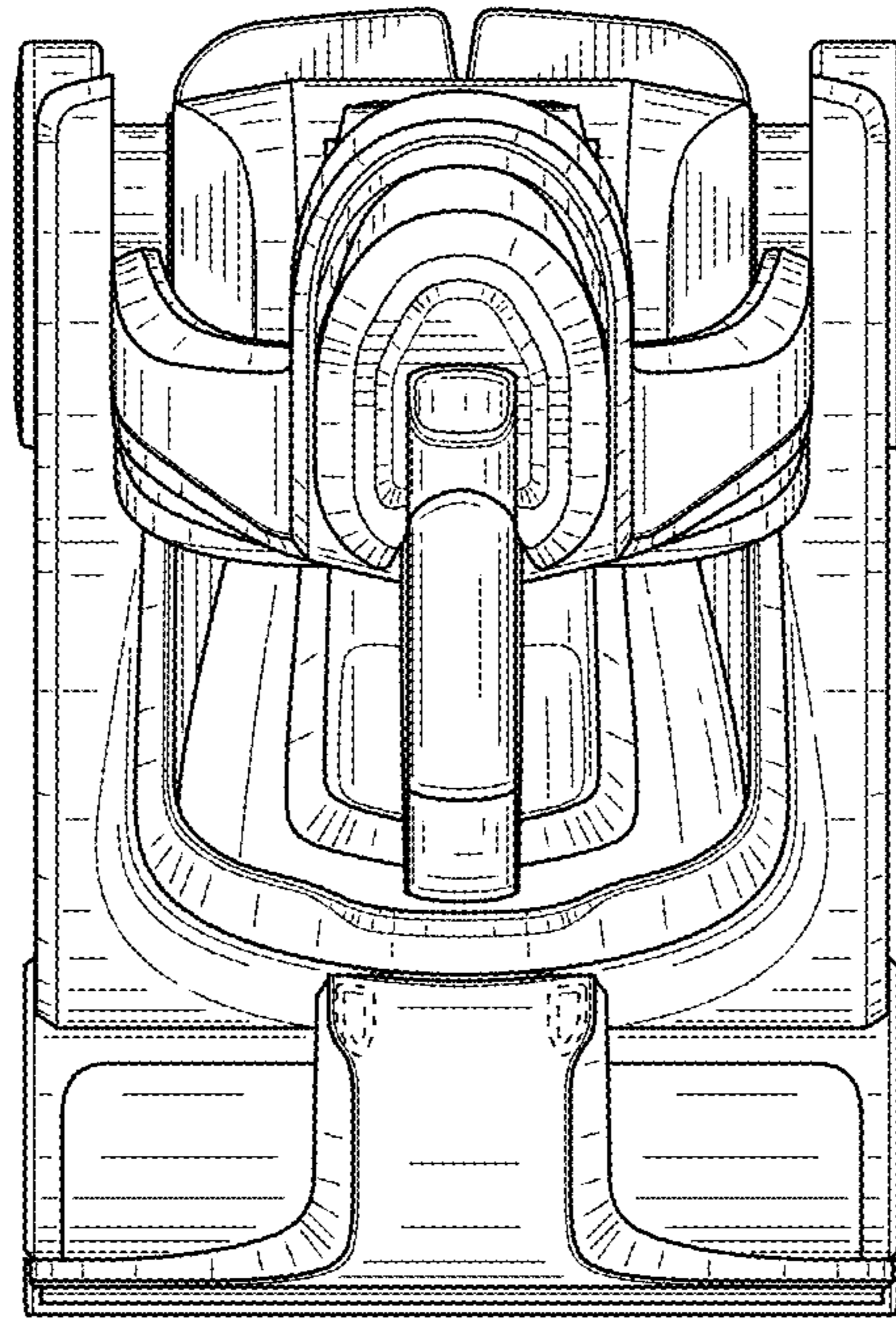


FIG. 6

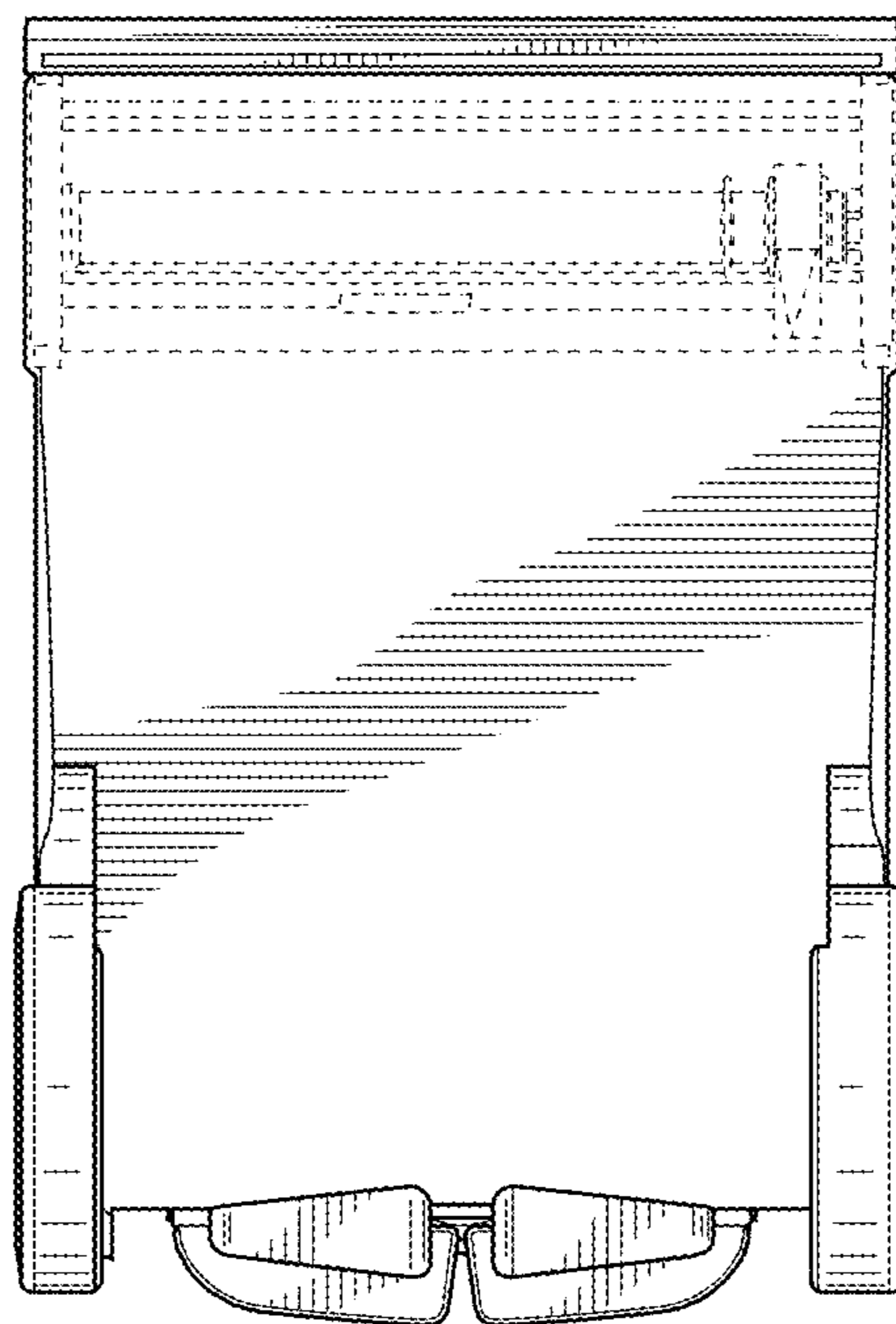


FIG. 7