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(12) **United States Design Patent**  
**Cheon et al.**

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(54) **VACUUM CLEANER**

(56) **References Cited**

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Gyeonggi-do (KR)

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

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(21) Appl. No.: **29/459,220**

*Primary Examiner* — Ruth McInroy

(22) Filed: **Jun. 27, 2013**

(74) *Attorney, Agent, or Firm* — Harness, Dickey & Pierce

(30) **Foreign Application Priority Data**

(57) **CLAIM**

We claim the ornamental design for a vacuum cleaner, as shown and described.

Dec. 28, 2012 (KR) ..... 30-2012-0063080

**DESCRIPTION**

(51) **LOC (10) Cl.** ..... **15-05**

FIG. 1 is the front/right-side/top perspective view of a vacuum cleaner showing our new design;  
FIG. 2 is the front elevational view thereof;  
FIG. 3 is the rear elevational view thereof;  
FIG. 4 is the left-side elevational view thereof;  
FIG. 5 is the right-side elevational view thereof;  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.  
The broken lines shown in the drawings represent unclaimed portions.

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

(58) **Field of Classification Search**  
USPC ..... D32/21–24, 32–34; 15/353, 320–321, 15/323, 340.2, 412, 339, 327.1–327.7  
CPC . A47L 7/004; A47L 11/4036; A47L 11/4041; A47L 7/0023; A47L 7/009; A47L 11/30; A47L 11/34

See application file for complete search history.

**1 Claim, 7 Drawing Sheets**

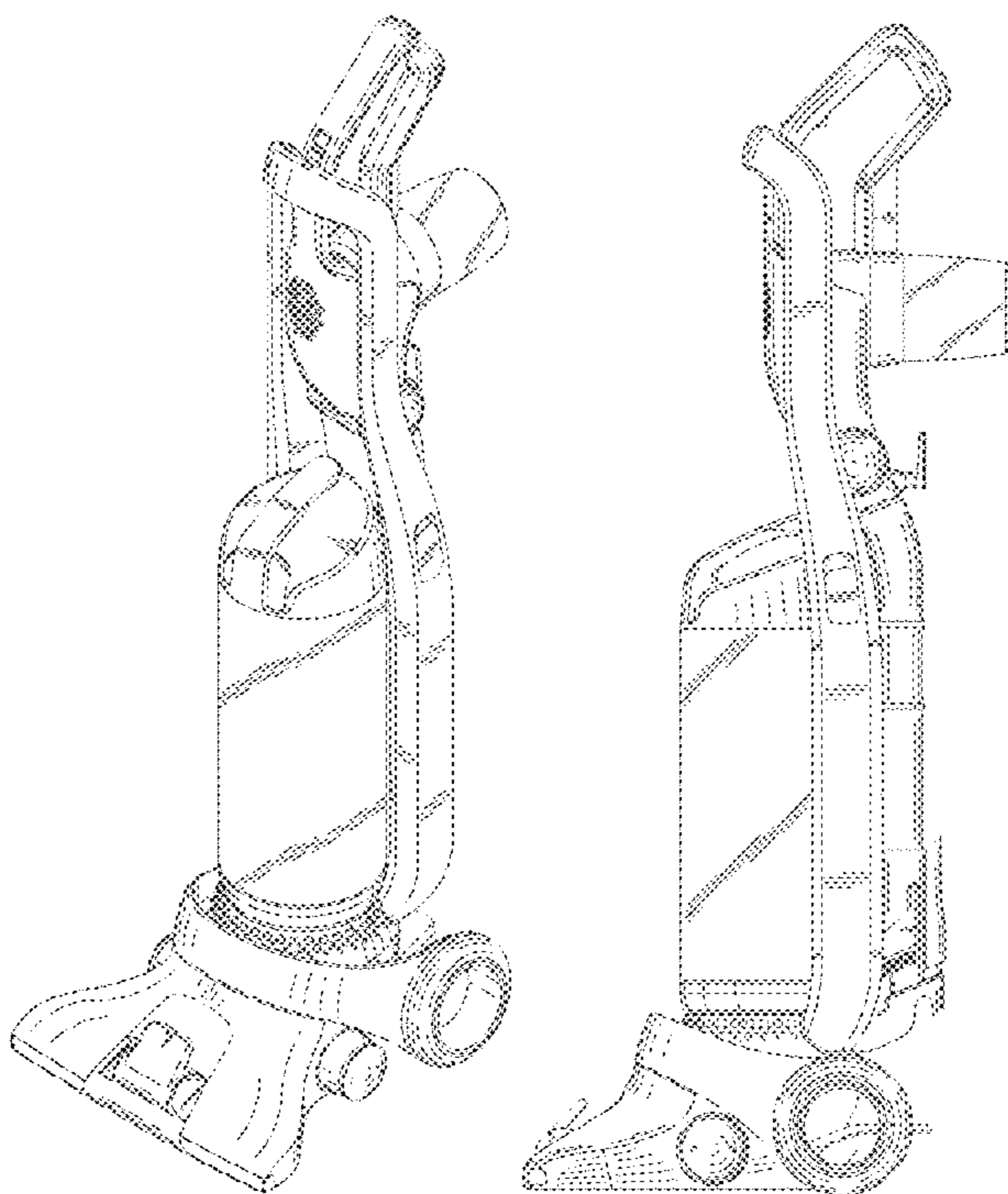


FIG. 1

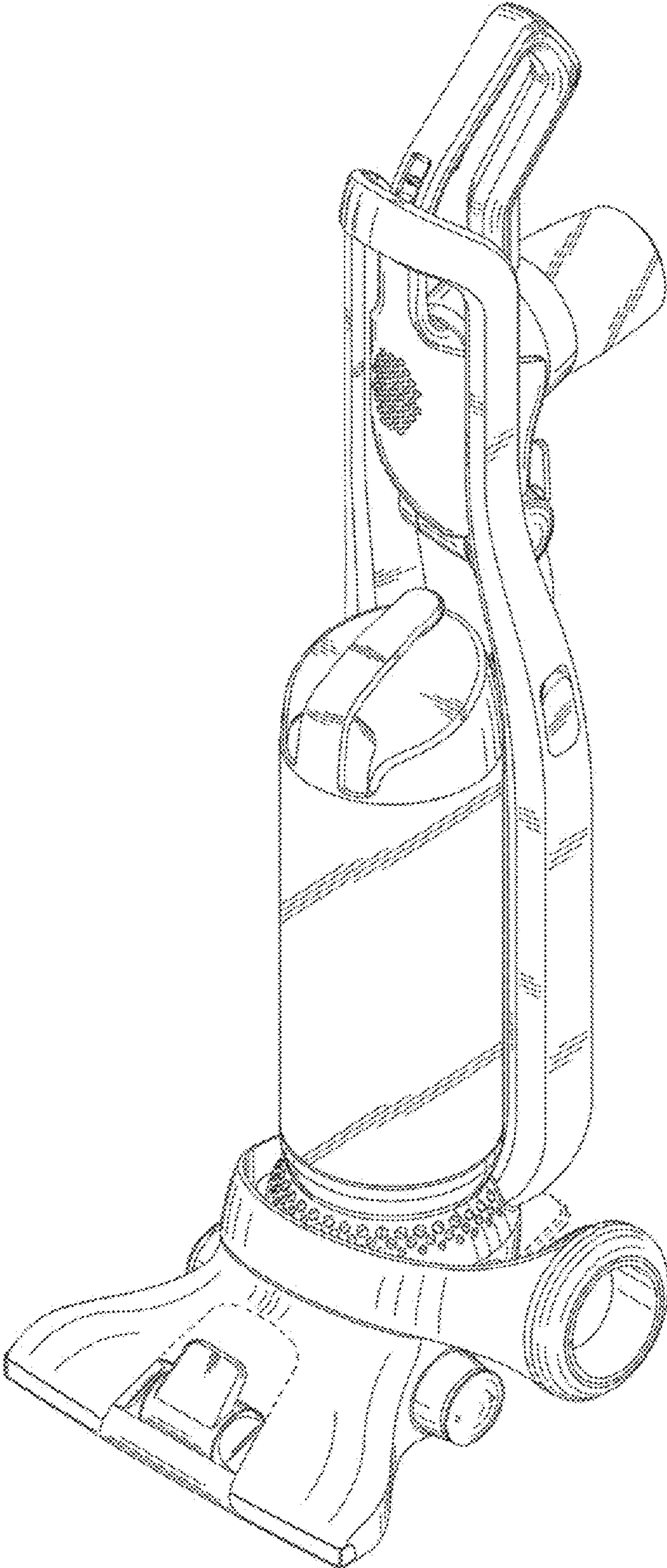


FIG.2

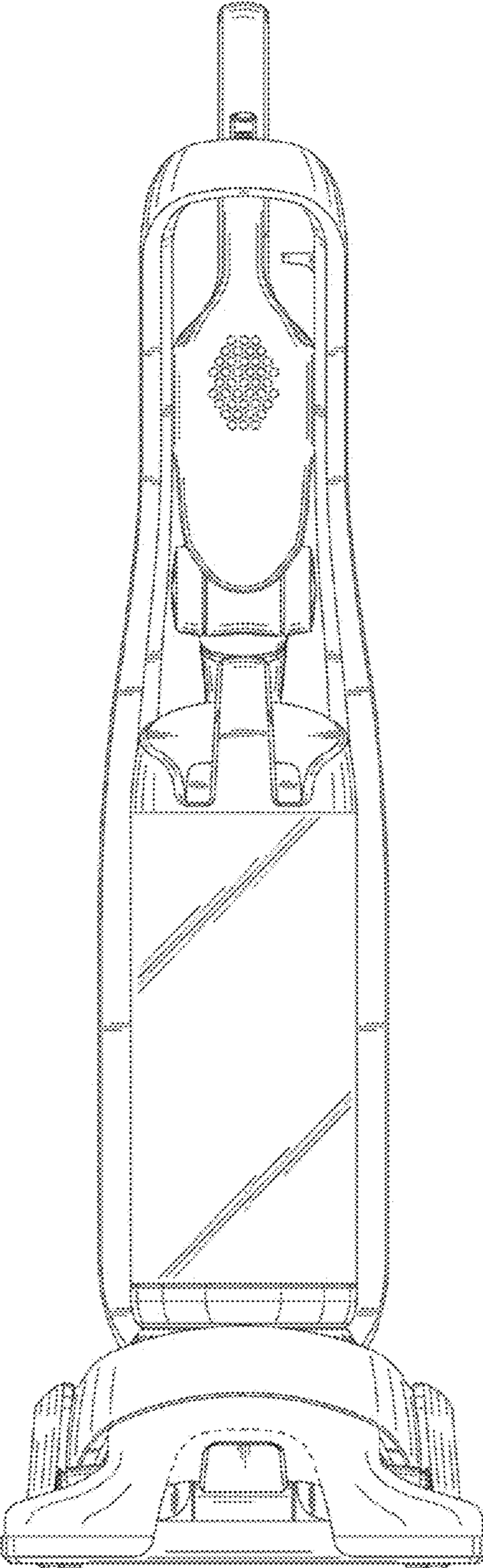




FIG.3

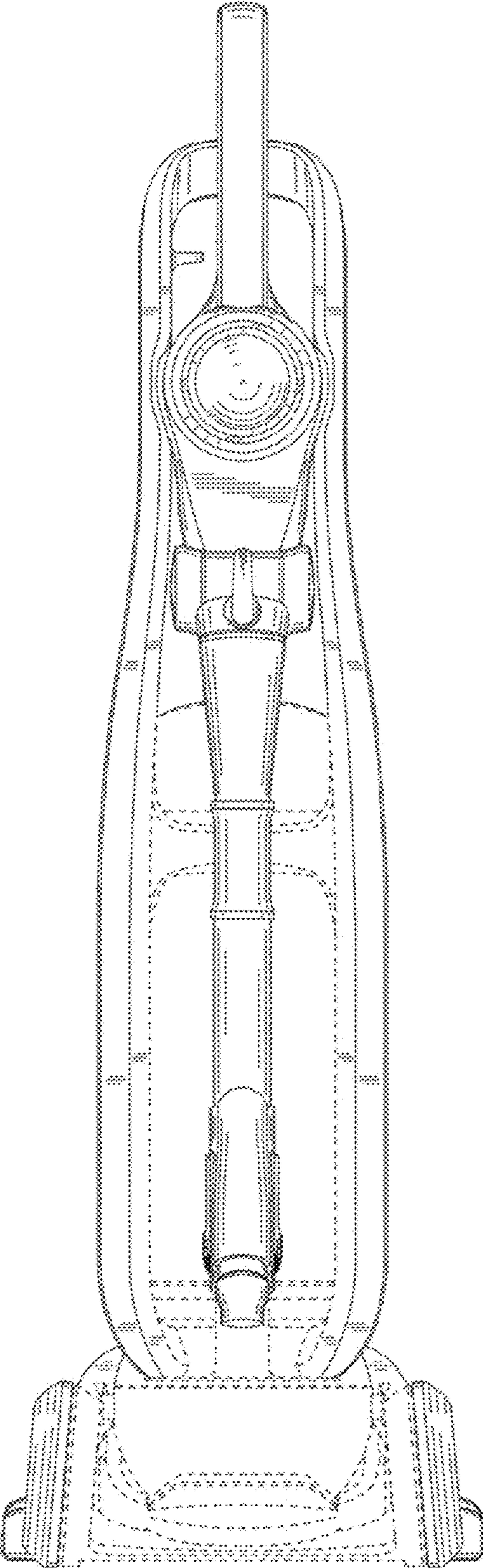


FIG.4

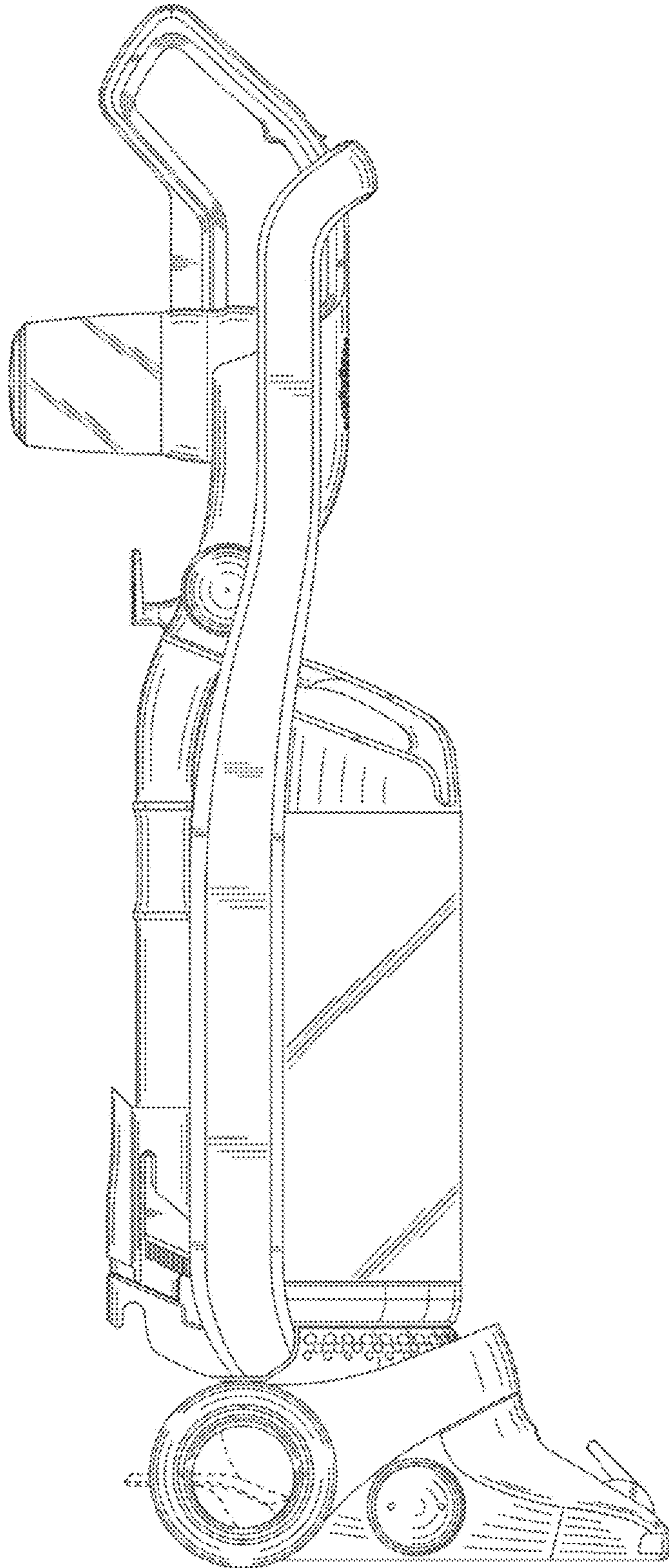


FIG.5

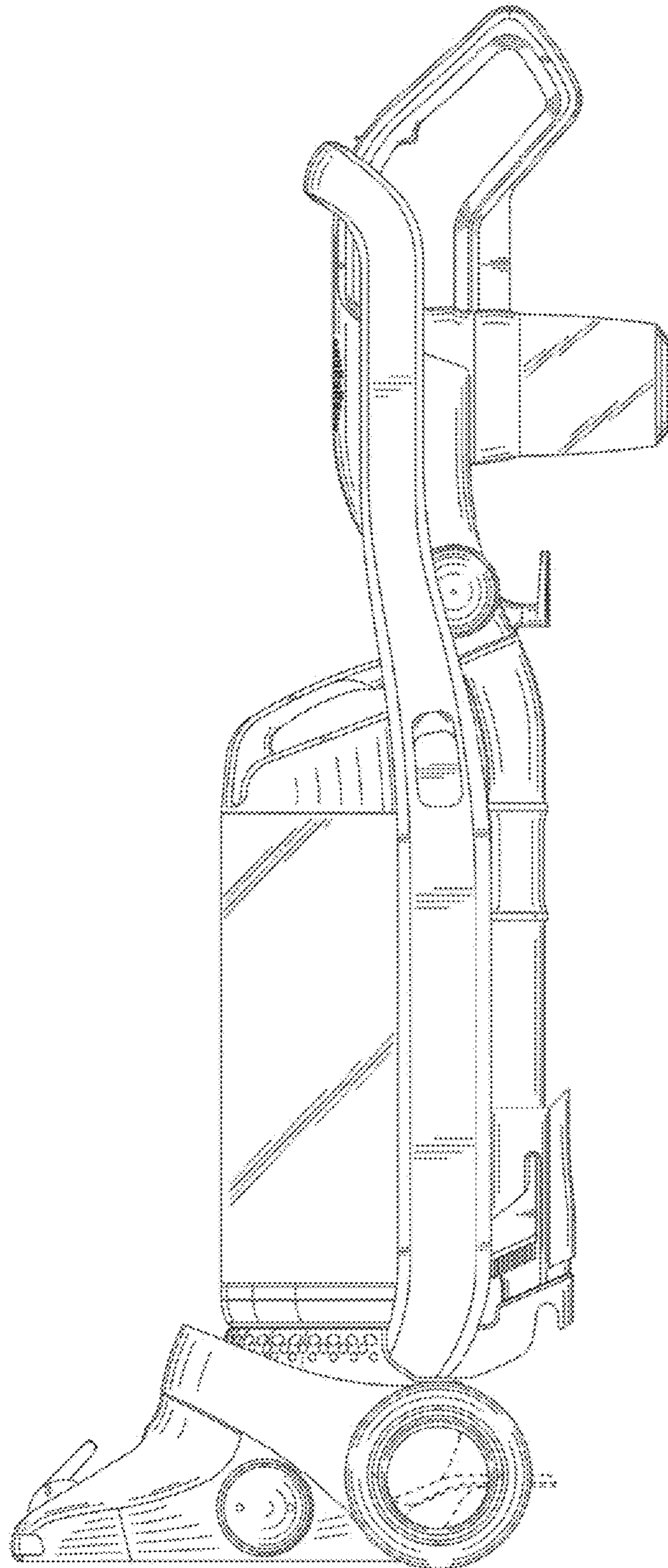


FIG.6

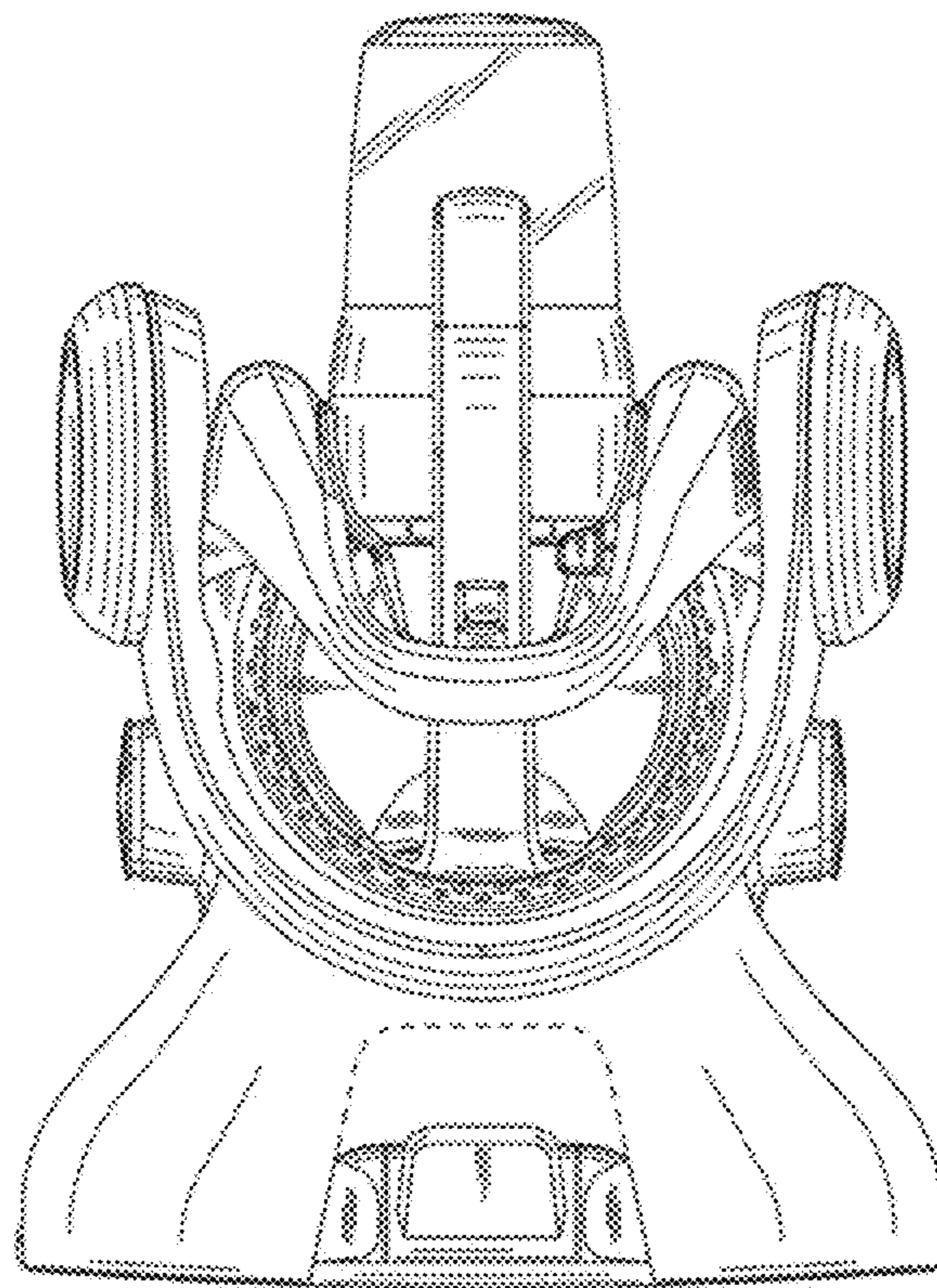




FIG.7

