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

(10) **Patent No.:** **US D443,119 S**

(45) **Date of Patent:** **** May 29, 2001**

(54) **VACUUM CLEANER**

(75) **Inventor:** **Tae Hyun Sung, Seoul (KR)**

(73) **Assignee:** **LG Electronics Inc., Seoul (KR)**

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

(21) **Appl. No.:** **29/115,465**

(22) **Filed:** **Dec. 16, 1999**

(30) **Foreign Application Priority Data**

Jun. 16, 1999 (KR) 99-13421

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

(52) **U.S. Cl.** **D32/21**

(58) **Field of Search** D32/21-24, 25,
D32/31; 15/320-321, 353, 327.1, 327.2,
327.3, 327.4, 327.6, 327.7

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Primary Examiner—Ruth McInroy

(57) **CLAIM**

I, Ta Hyun SUNG claim the ornamental design for vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of vacuum cleaner showing the new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

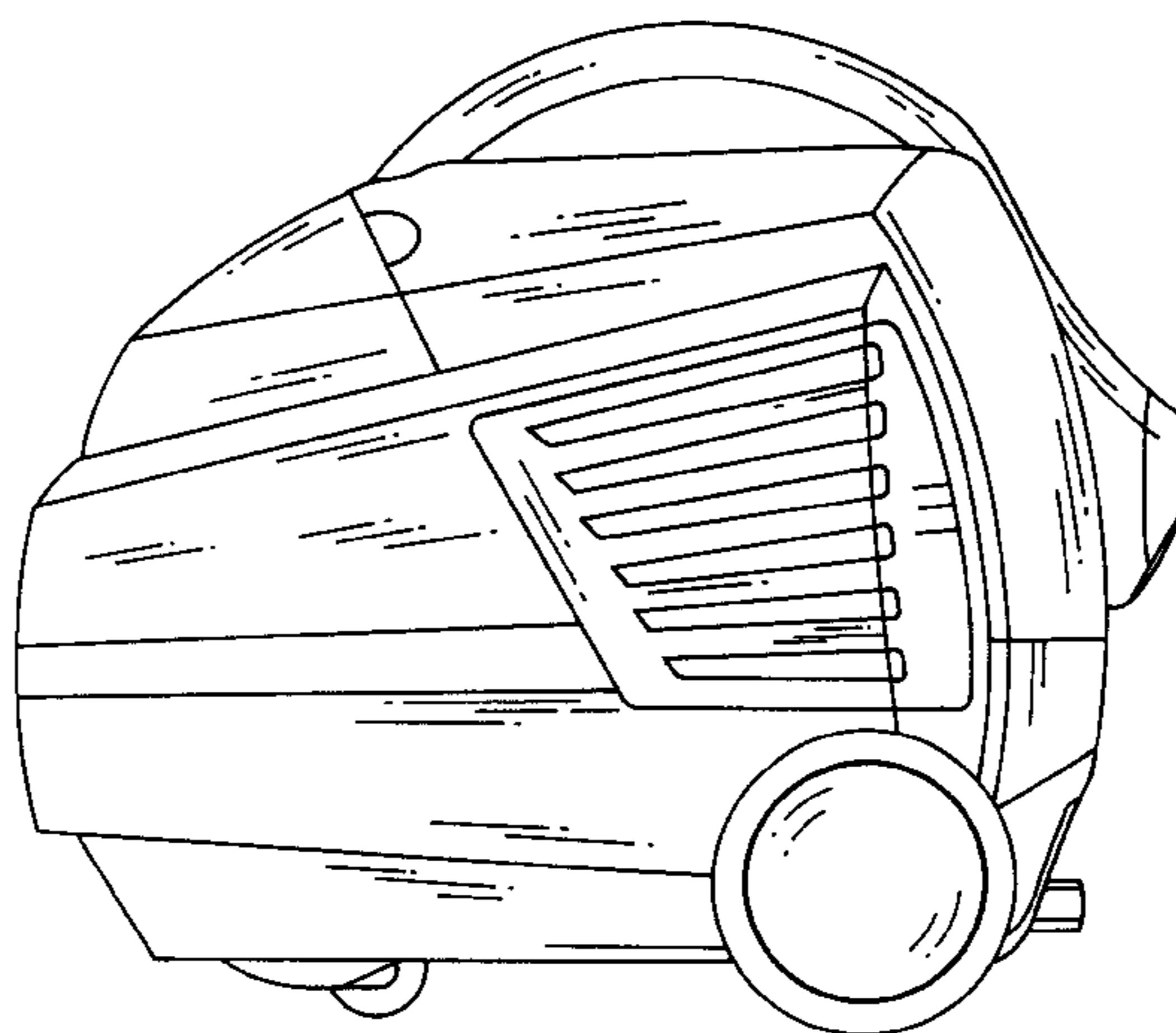
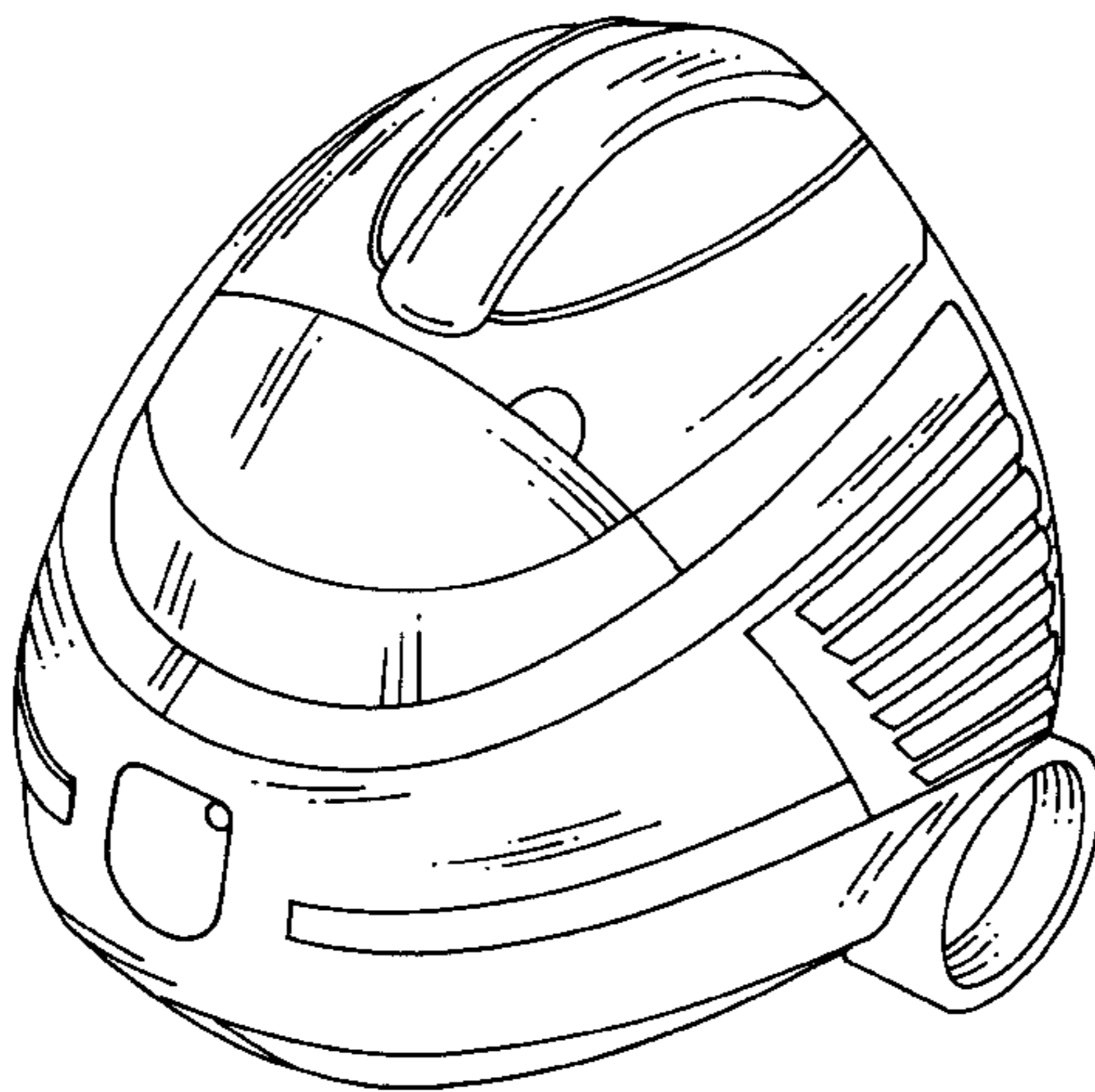
FIG. 4 is a left-side view thereof;

FIG. 5 is a right-side view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

1 Claim, 4 Drawing Sheets



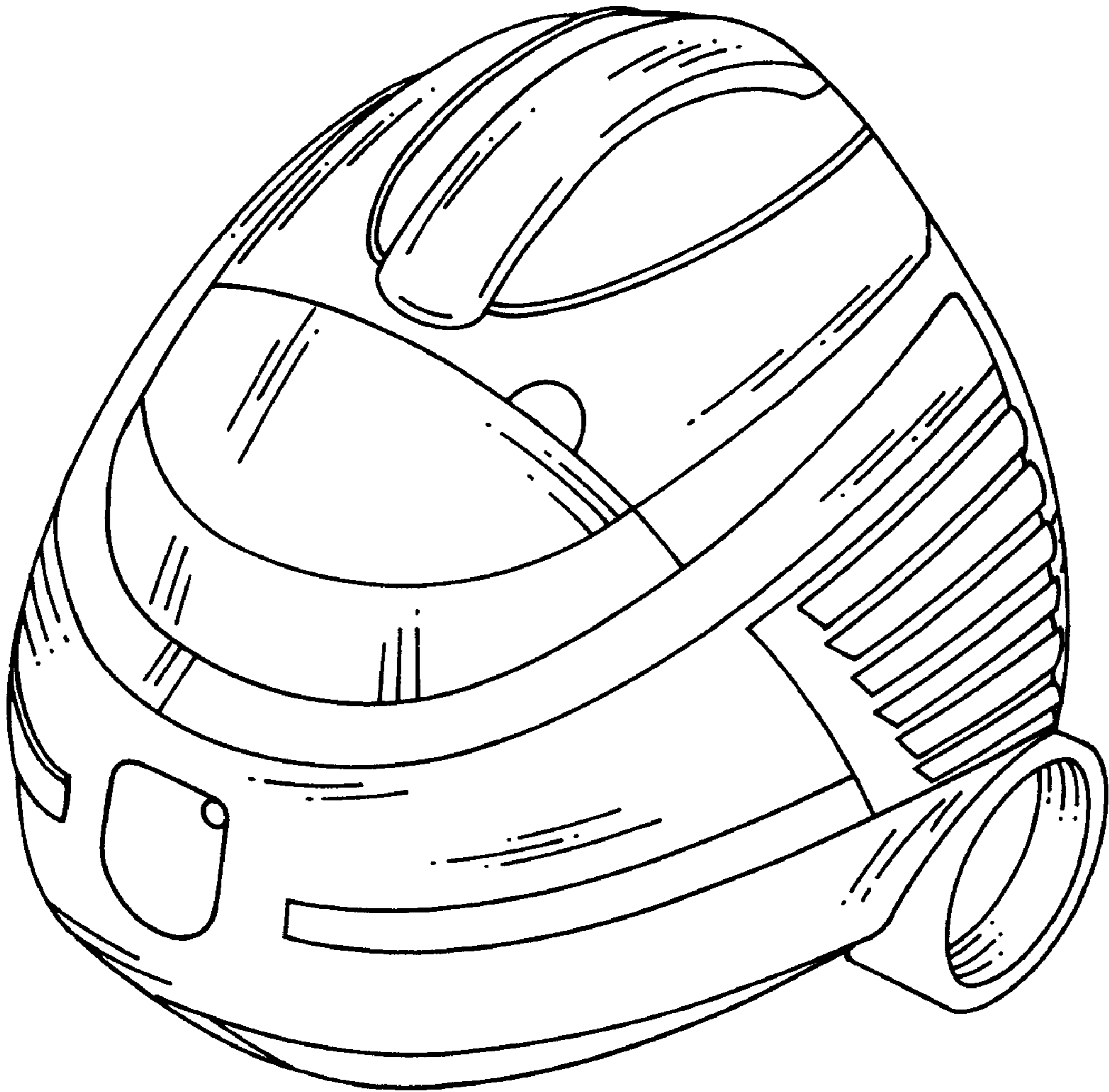


FIG. 1

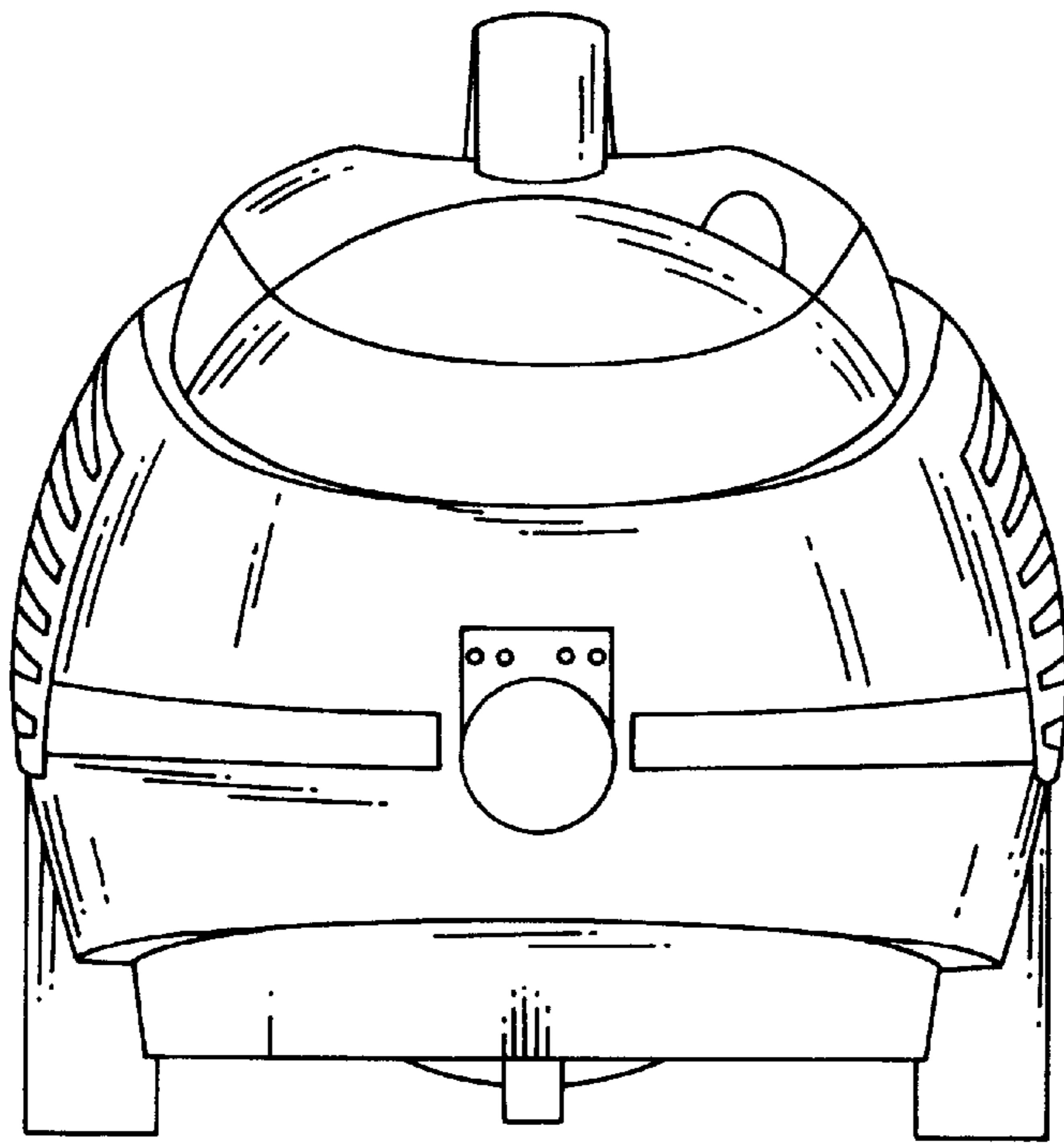


FIG. 2

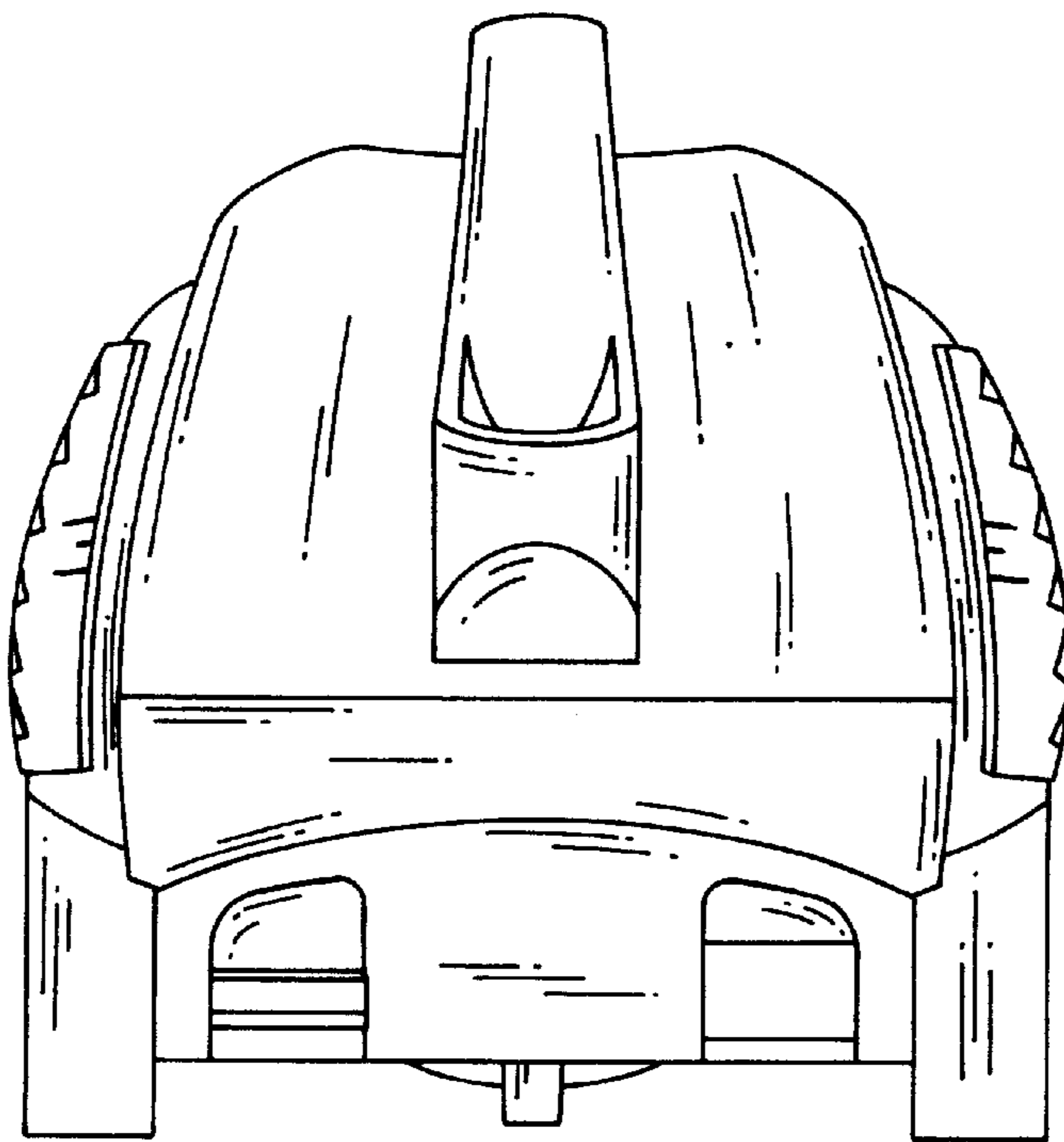


FIG. 3

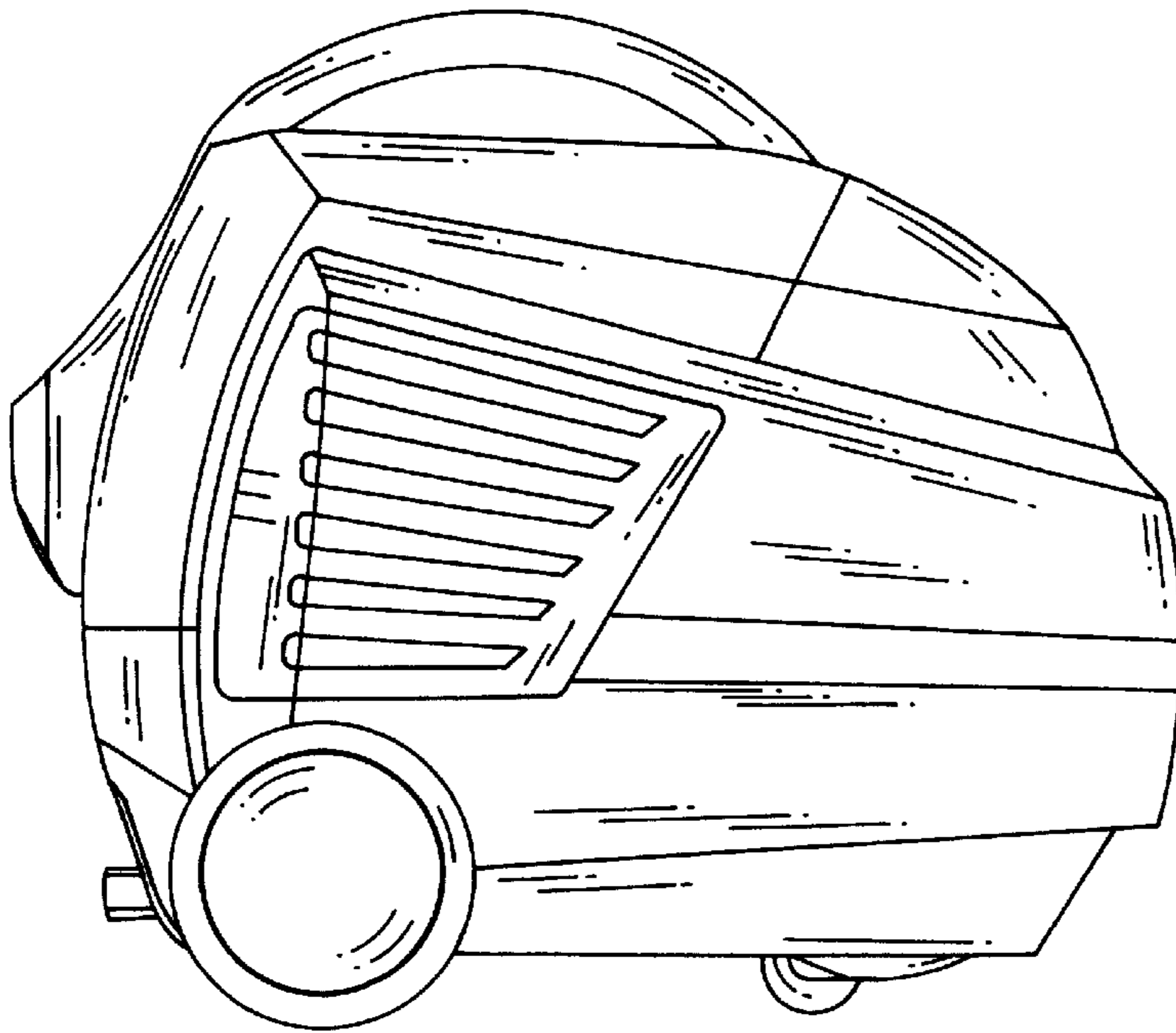


FIG. 4

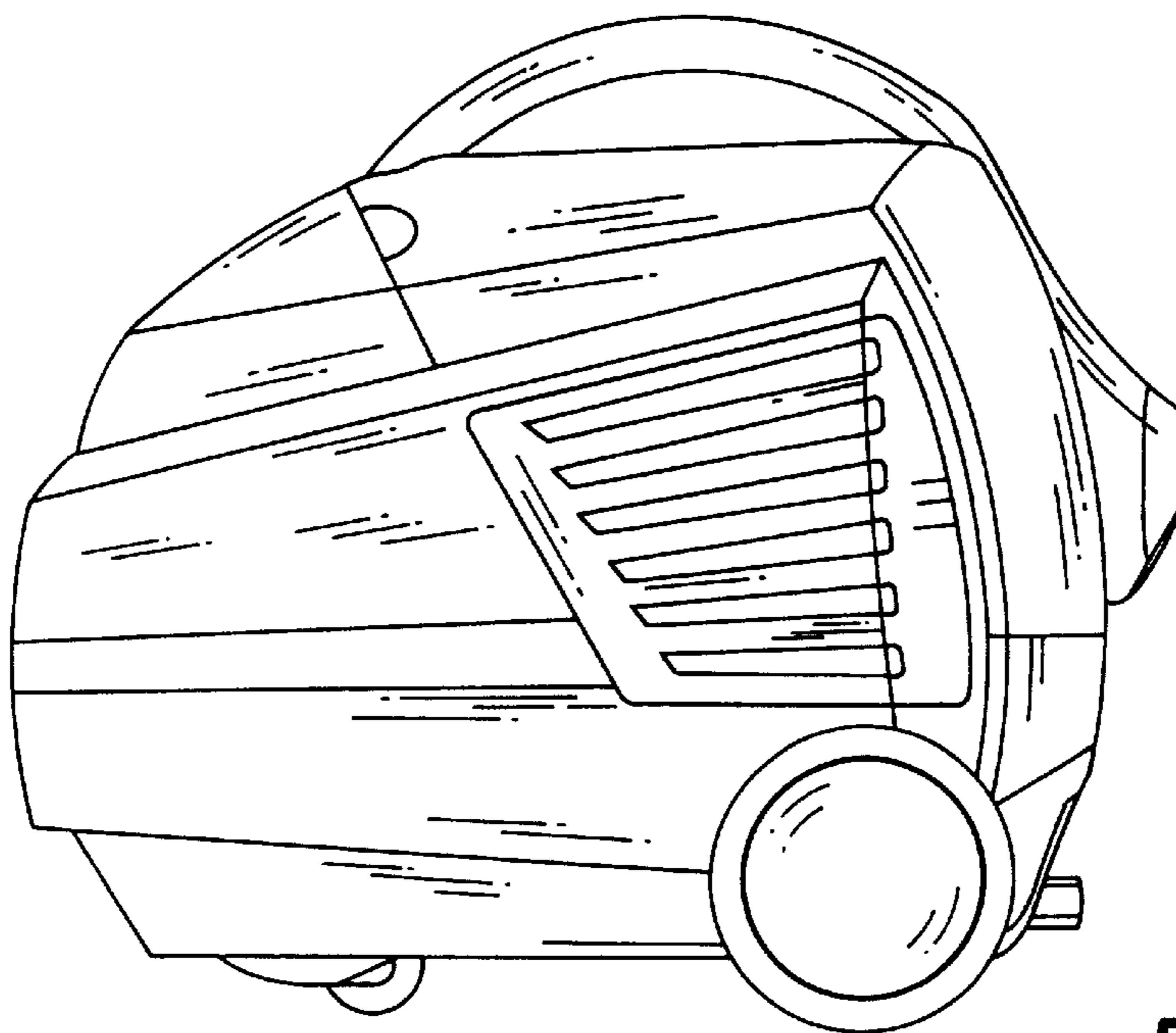


FIG. 5

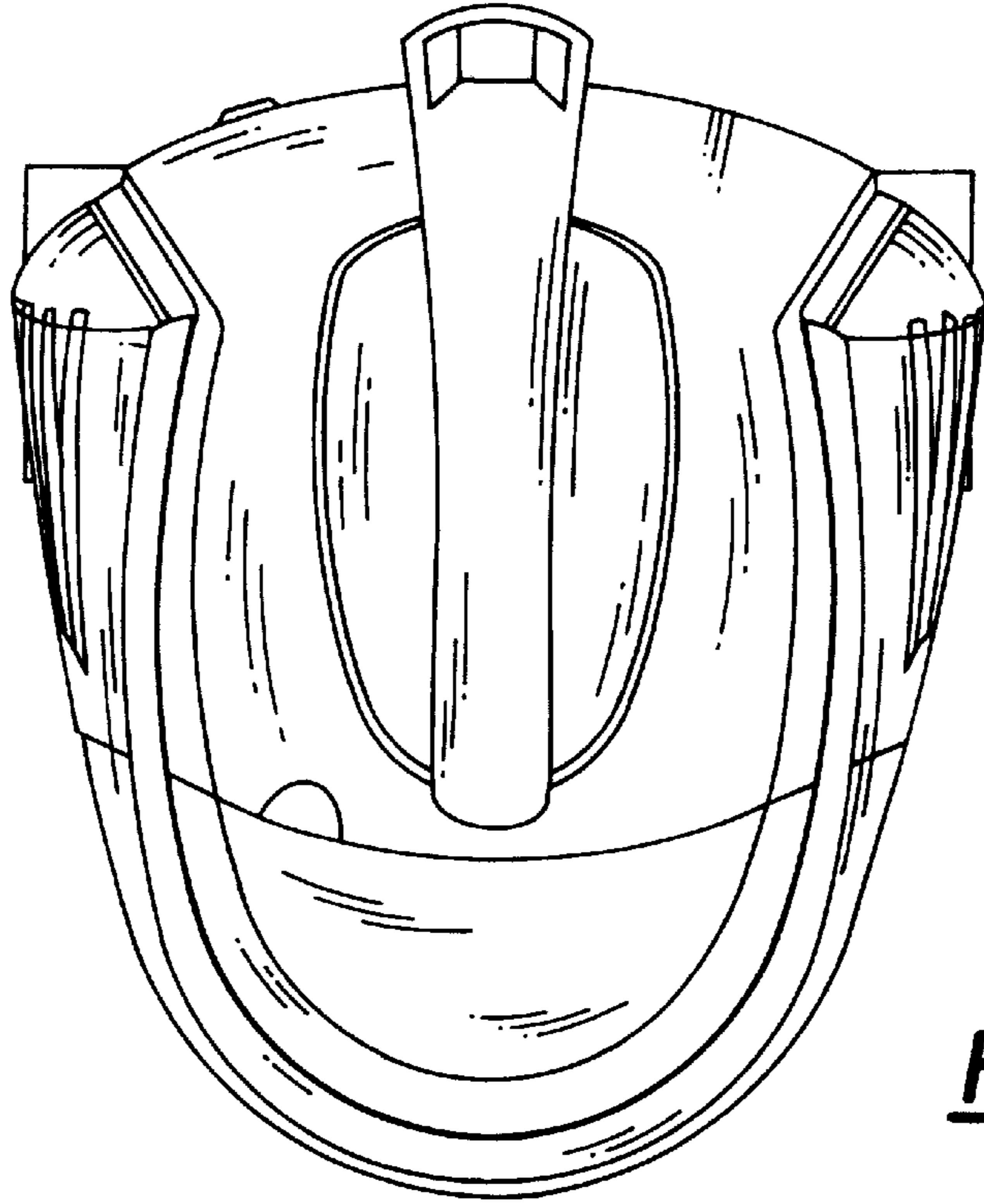


FIG. 6

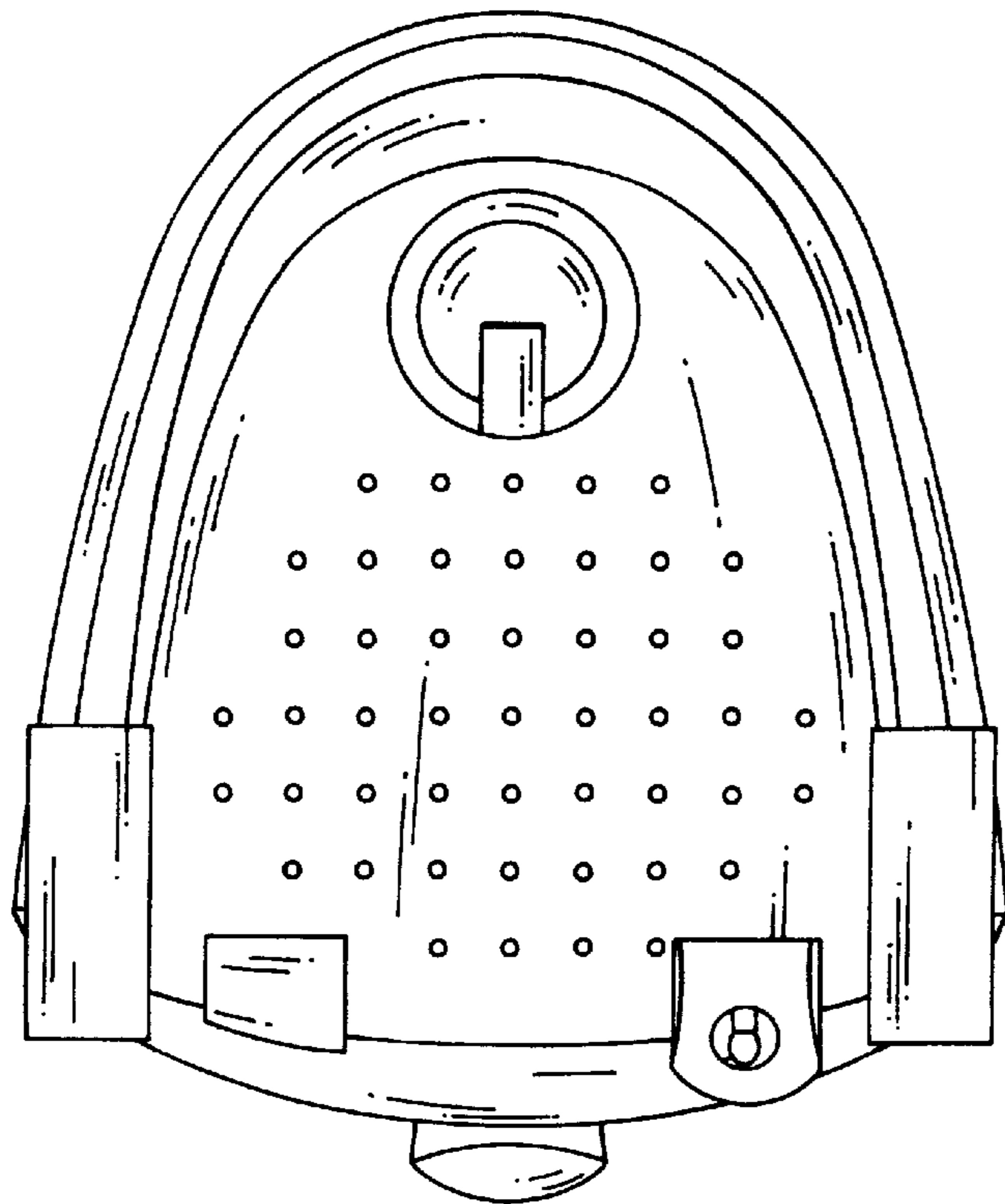


FIG. 7