



US00D327145S

United States Patent [19]

[11] Patent Number: **Des. 327,145**

Kuriya

[45] Date of Patent: **** Jun. 16, 1992**

[54] **VACUUM CLEANER**

D. 314,072	1/1991	Shinozaki et al.	.....	D32/22
D. 314,847	2/1991	Shouji et al.	.....	D32/22
D. 315,042	2/1991	Ikeda	.....	D32/22

[75] Inventor: **Chikashi Kuriya, Osaka, Japan**

[73] Assignee: **Sharp Kabushiki Kaisha, Osaka, Japan**

Primary Examiner—A. Hugo Word
Assistant Examiner—Ruth McInroy
Attorney, Agent, or Firm—Nixon & Vanderhye

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

[57] **CLAIM**

[21] Appl. No.: **663,656**

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

[22] Filed: **Mar. 4, 1991**

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

[58] Field of Search **D32/21, 22, 32-33;**
15/350, 351, 320-322, 412

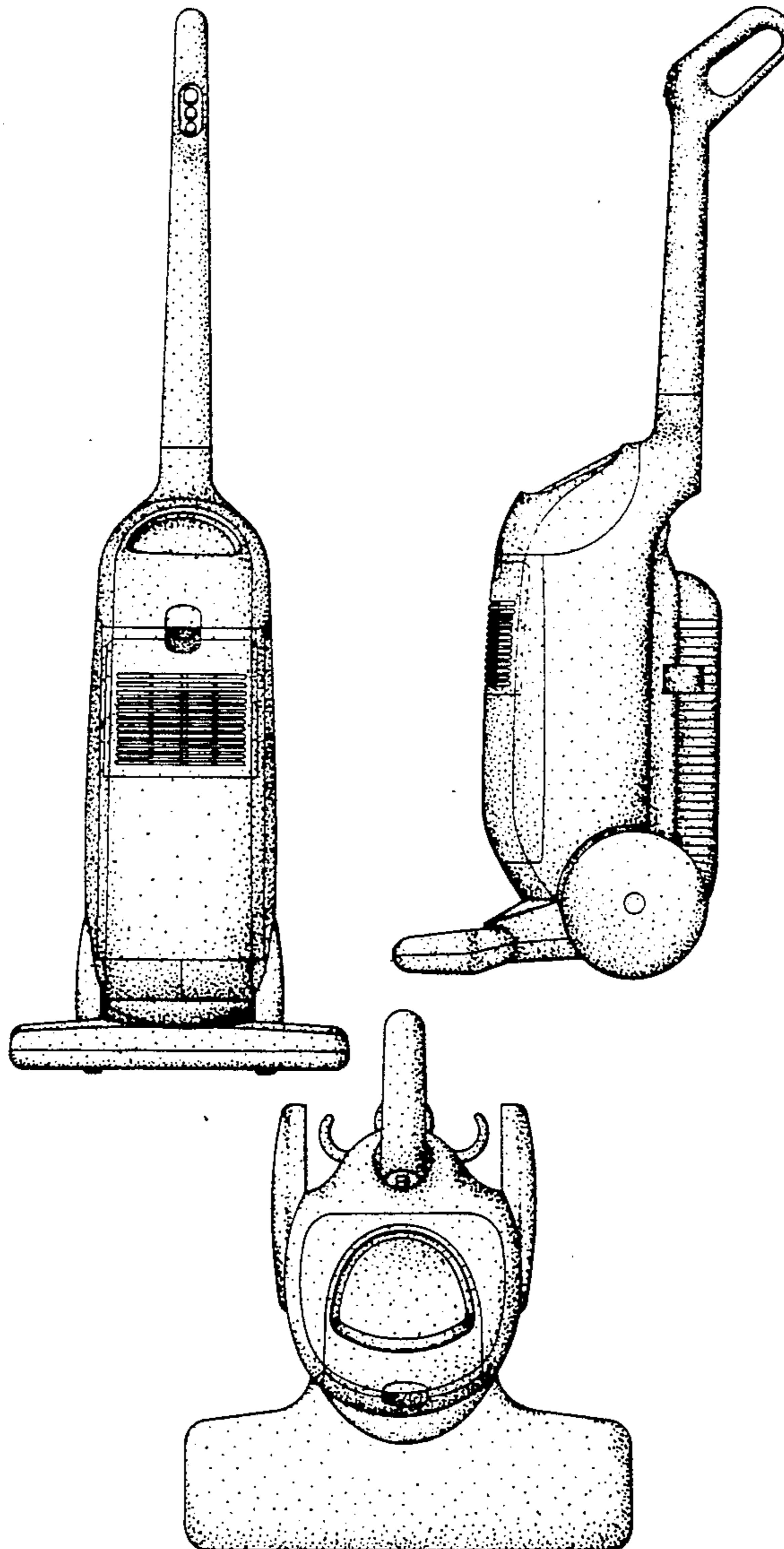
DESCRIPTION

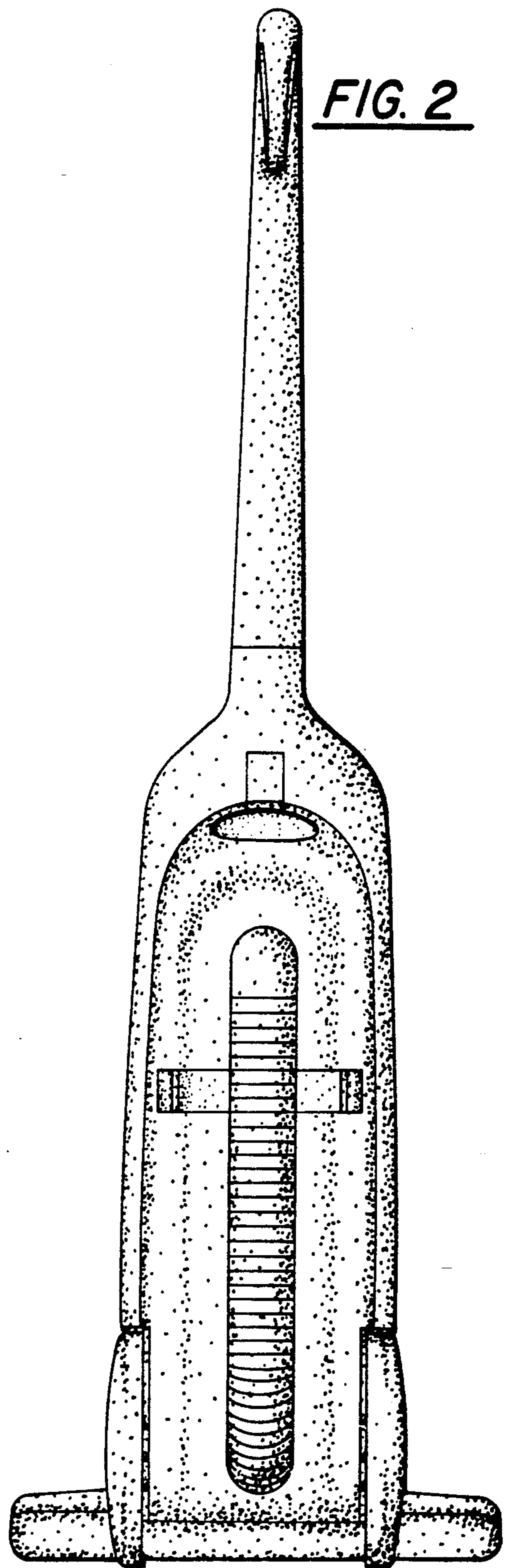
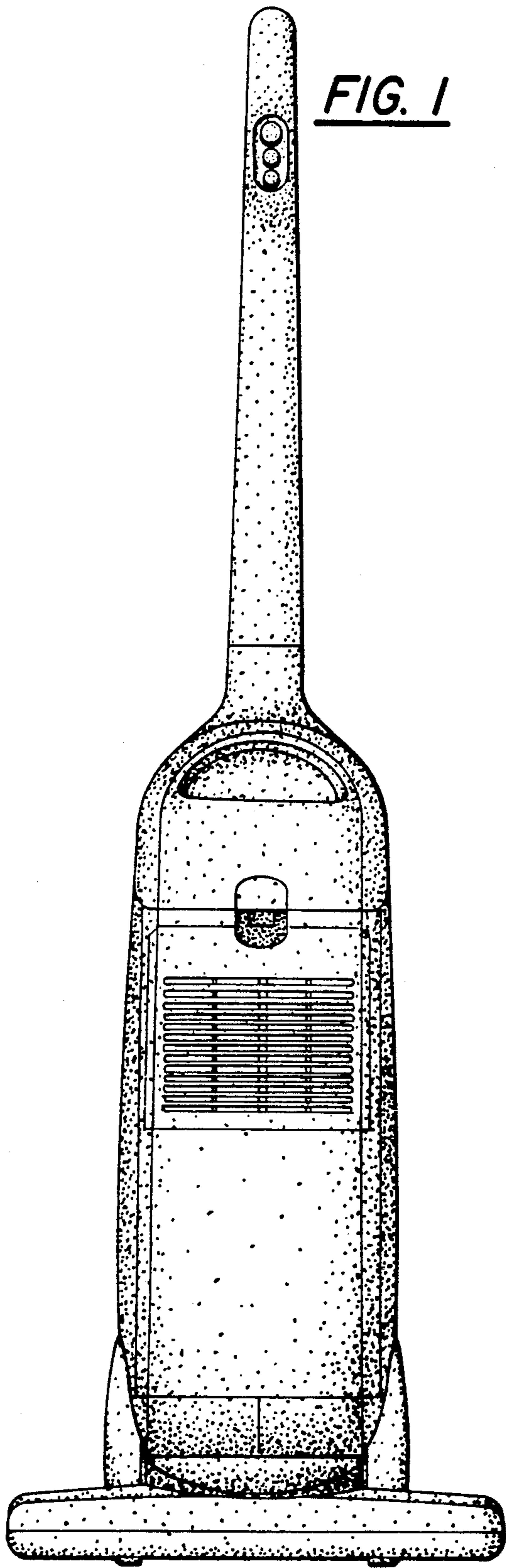
[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 305,168	12/1989	Kroll	.....	D32/22
D. 305,373	1/1990	Yamamoto et al.	.....	D32/22
D. 307,658	5/1990	Ikeda et al.	.....	D32/22

FIG. 1 is a front elevational view of a vacuum cleaner showing my new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a top plan view thereof; and,
FIG. 6 is a bottom plan view thereof.





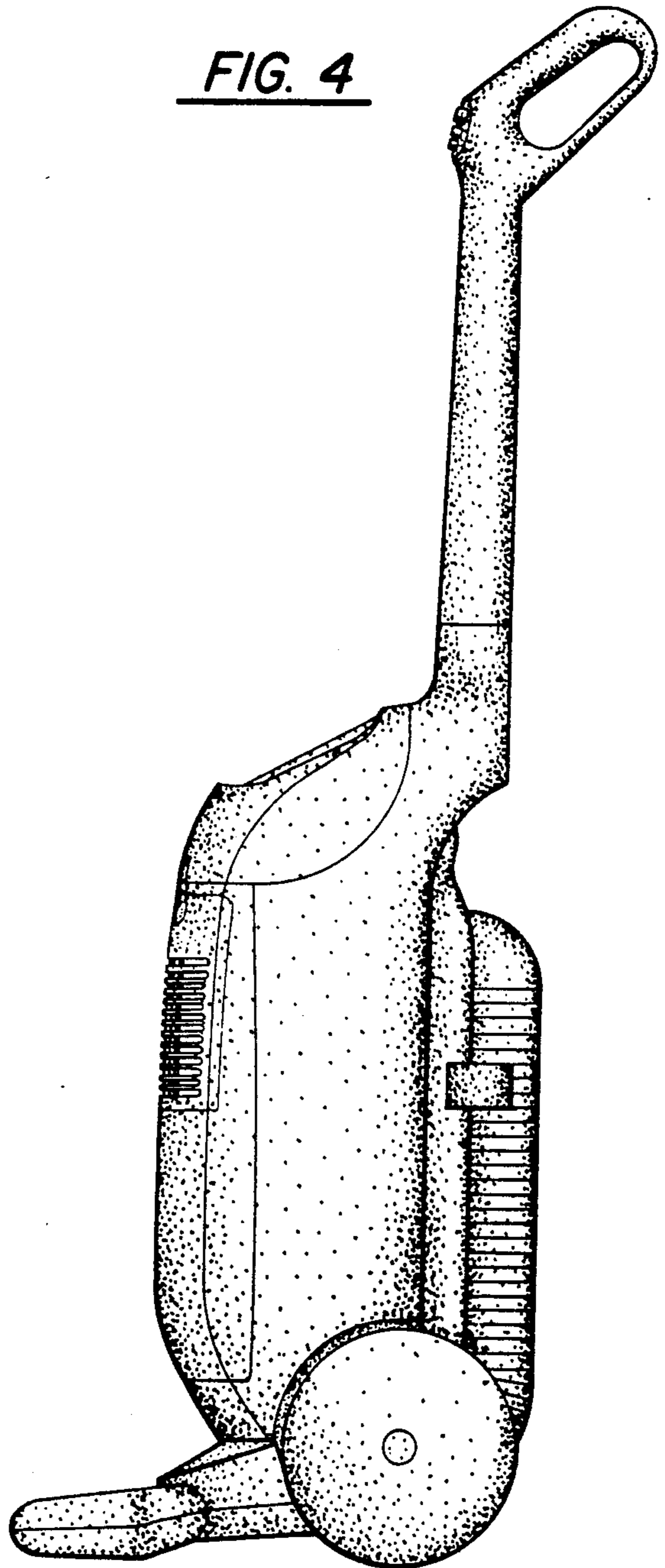
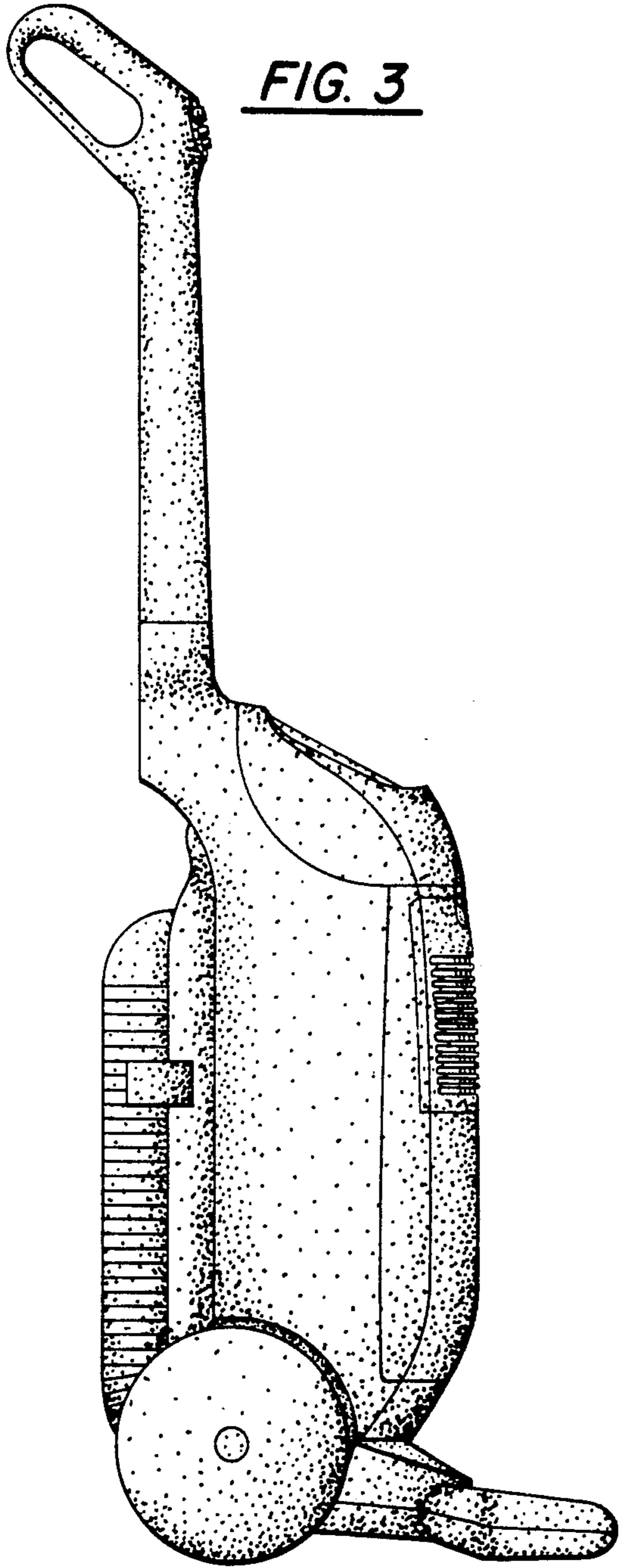


FIG. 5

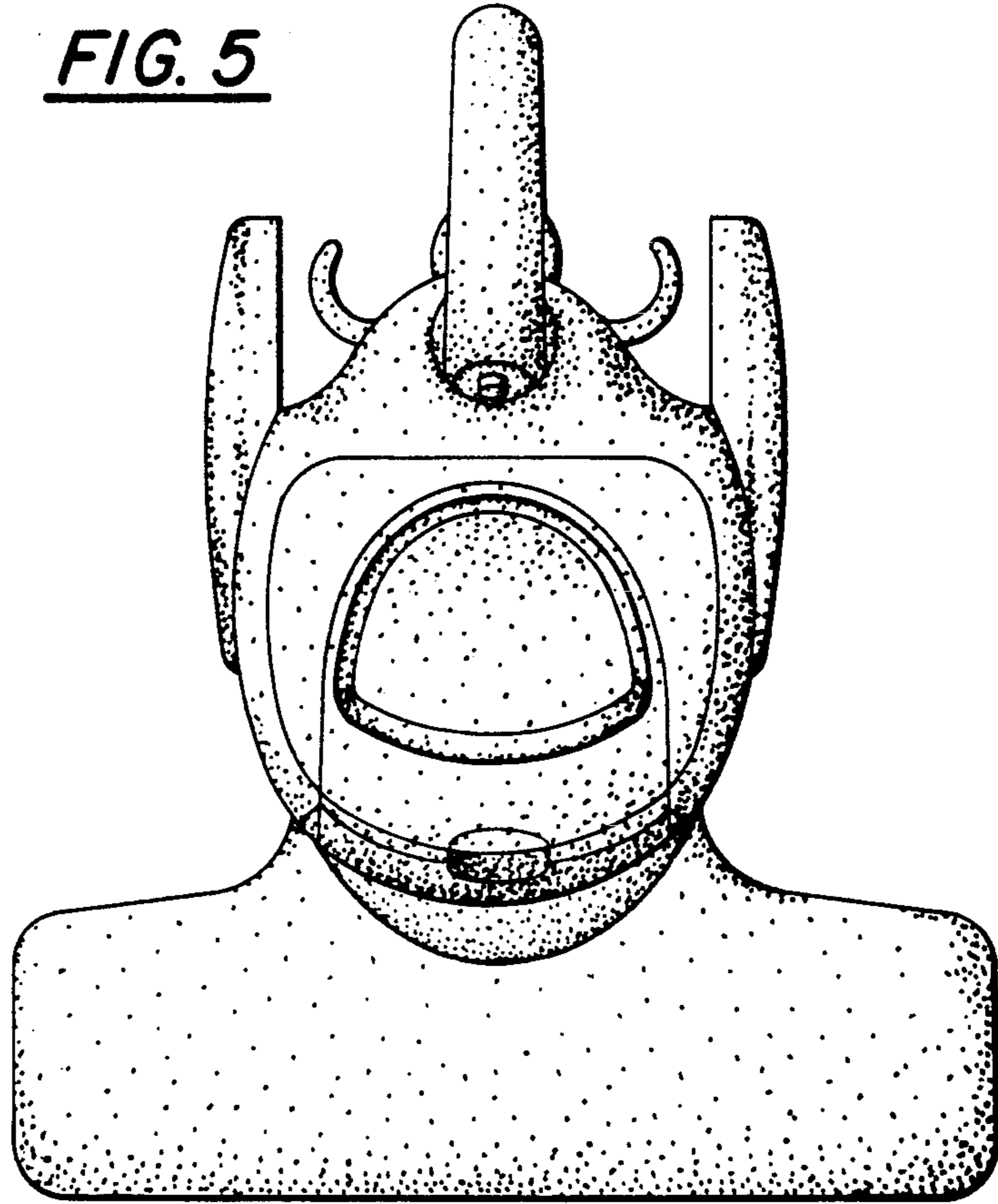


FIG. 6

