



US00D374317S

# United States Patent [19]

[11] Patent Number: **Des. 374,317**

Bass et al.

[45] Date of Patent: **\*\*Oct. 1, 1996**

[54] **VACUUM CLEANER**

D. 352,141 11/1994 Correa et al. .  
5,341,541 8/1994 Sham .

[75] Inventors: **Charles J. Bass**, Somerville, Ala.; **Paul Gildersleeve**, Lutherville, Md.; **John W. Goodin**, Coto de Caza, Calif.; **Mark W. Le Beau**, Logan, Utah; **Carl E. Prindle**, Boston, Mass.; **William C. Tyler**, Gadsden, Ala.

### OTHER PUBLICATIONS

Hong Kong Enterprise, p. 180. "AV-1 Advance vacuum cleaner".

*Primary Examiner*—Ruth McInroy  
*Attorney, Agent, or Firm*—J. Bruce Hoofnagle

[73] Assignee: **Emhart Inc.**, Newark, Del.

[57] **CLAIM**

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

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

[21] Appl. No.: **42,431**

### DESCRIPTION

[22] Filed: **Aug. 10, 1995**

### Related U.S. Application Data

FIG. 1 is a perspective view of a vacuum cleaner showing our new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a right side elevational view thereof, the left side being a mirror image;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is a perspective view of a second embodiment thereof;  
FIG. 8 is a front elevational view thereof;  
FIG. 9 is a rear elevational view thereof;  
FIG. 10 is a right side elevational view thereof, the left side being a mirror image;  
FIG. 11 is a top plan view thereof; and,  
FIG. 12 is a bottom plan view thereof.

[63] Continuation-in-part of Ser. No. 33,446, Jan. 13, 1995.

[52] U.S. Cl. .... **D32/18**

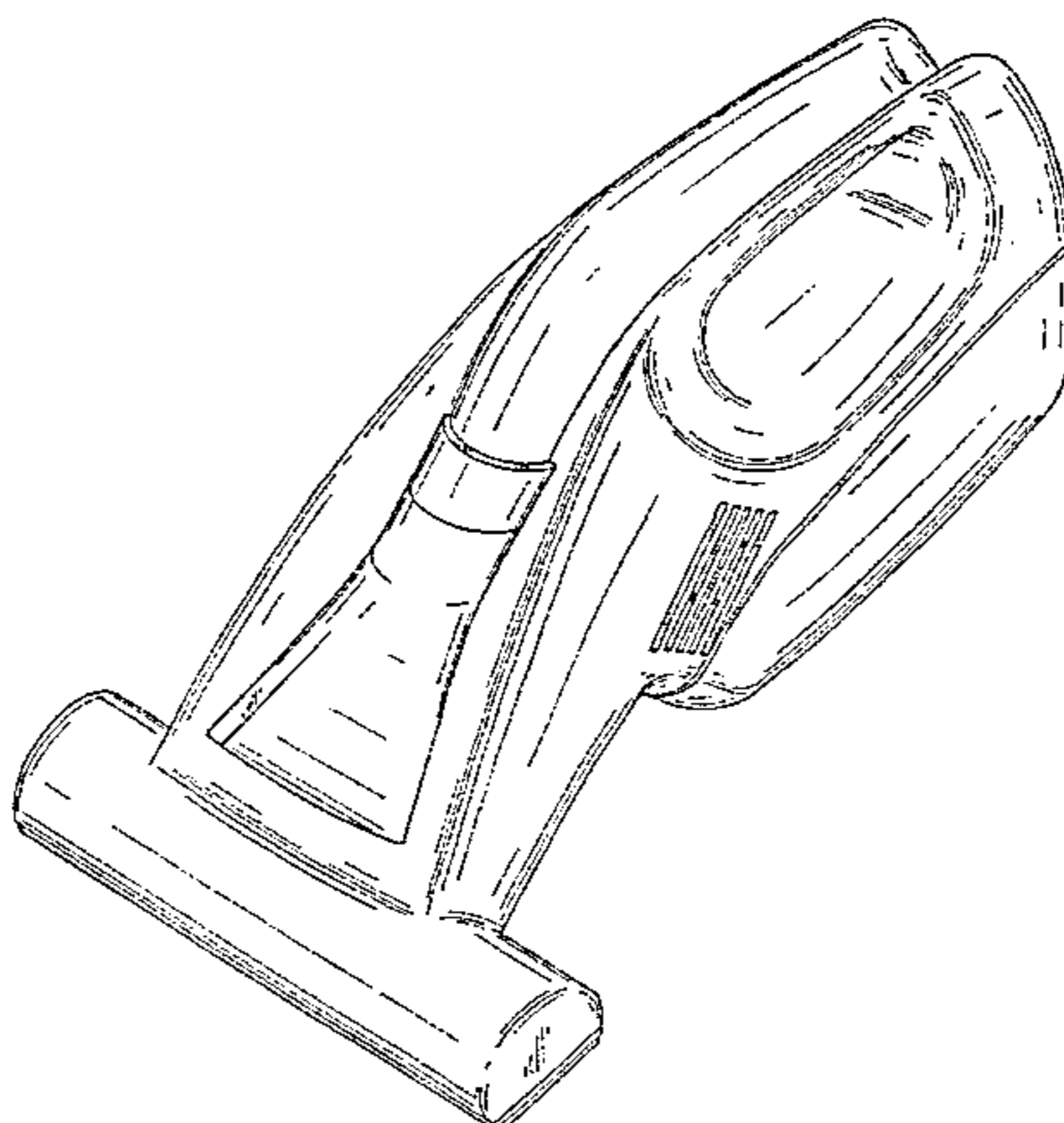
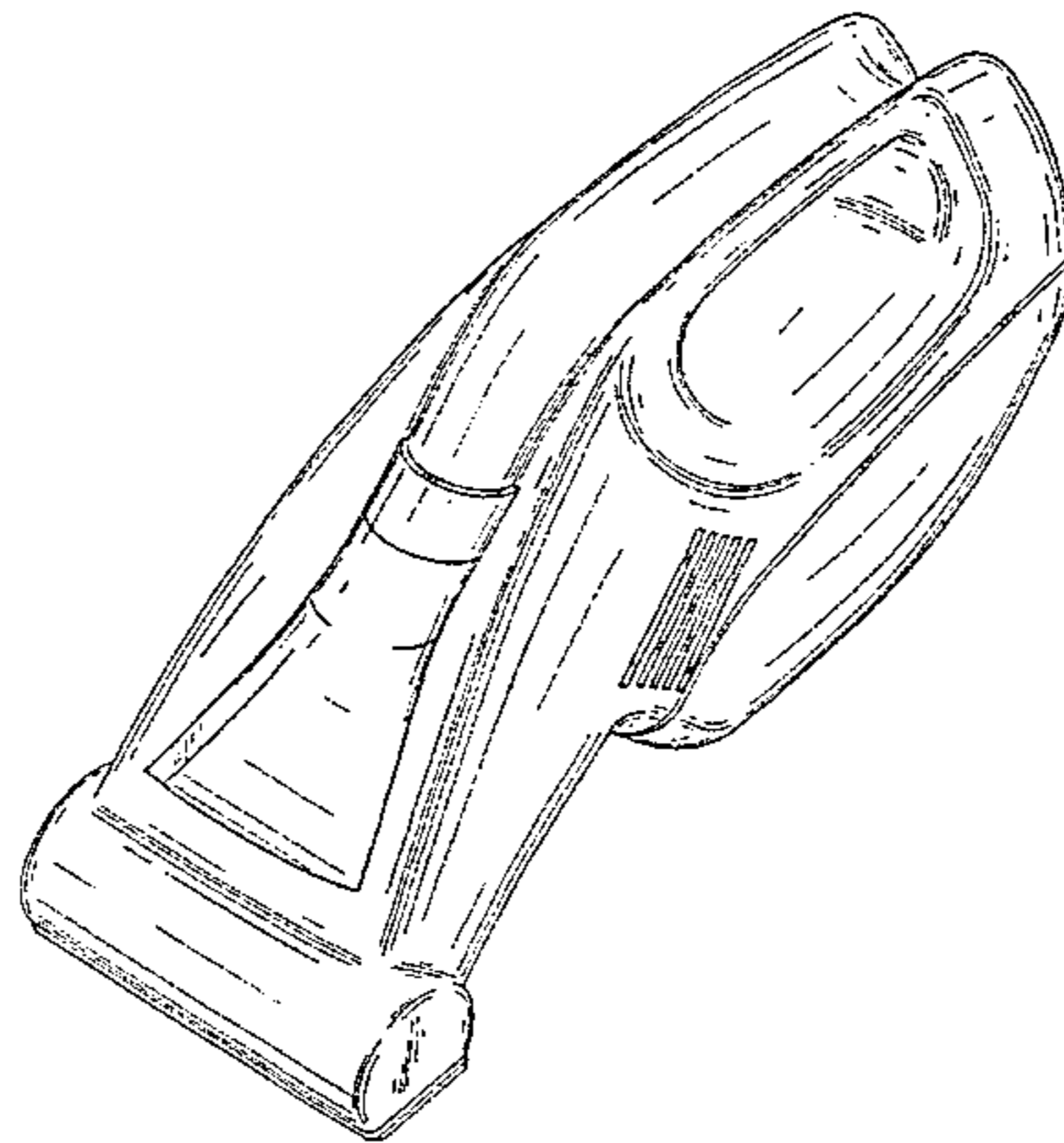
[58] Field of Search ..... D32/17, 18; 15/344,  
15/329

### [56] References Cited

#### U.S. PATENT DOCUMENTS

- D. 274,381 6/1984 Chiu .
- D. 290,893 7/1987 Essex .
- D. 294,412 2/1988 Sadashima et al. .
- D. 302,876 8/1989 Ikeda et al. .
- D. 303,170 8/1989 Hirano .
- D. 306,657 3/1990 Fushiya et al. .
- D. 315,816 3/1991 Ferrari et al. .

**1 Claim, 9 Drawing Sheets**



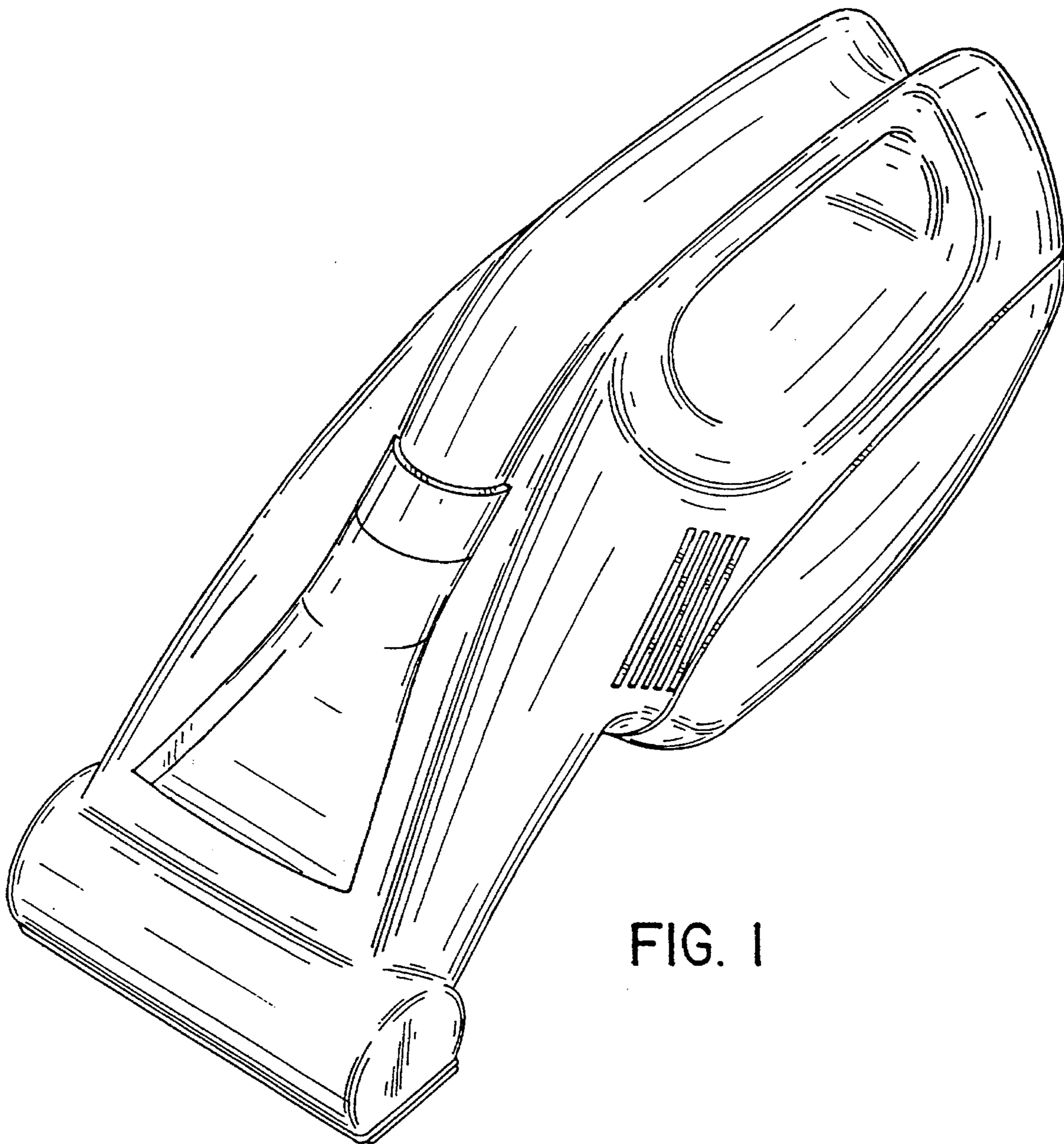


FIG. 1

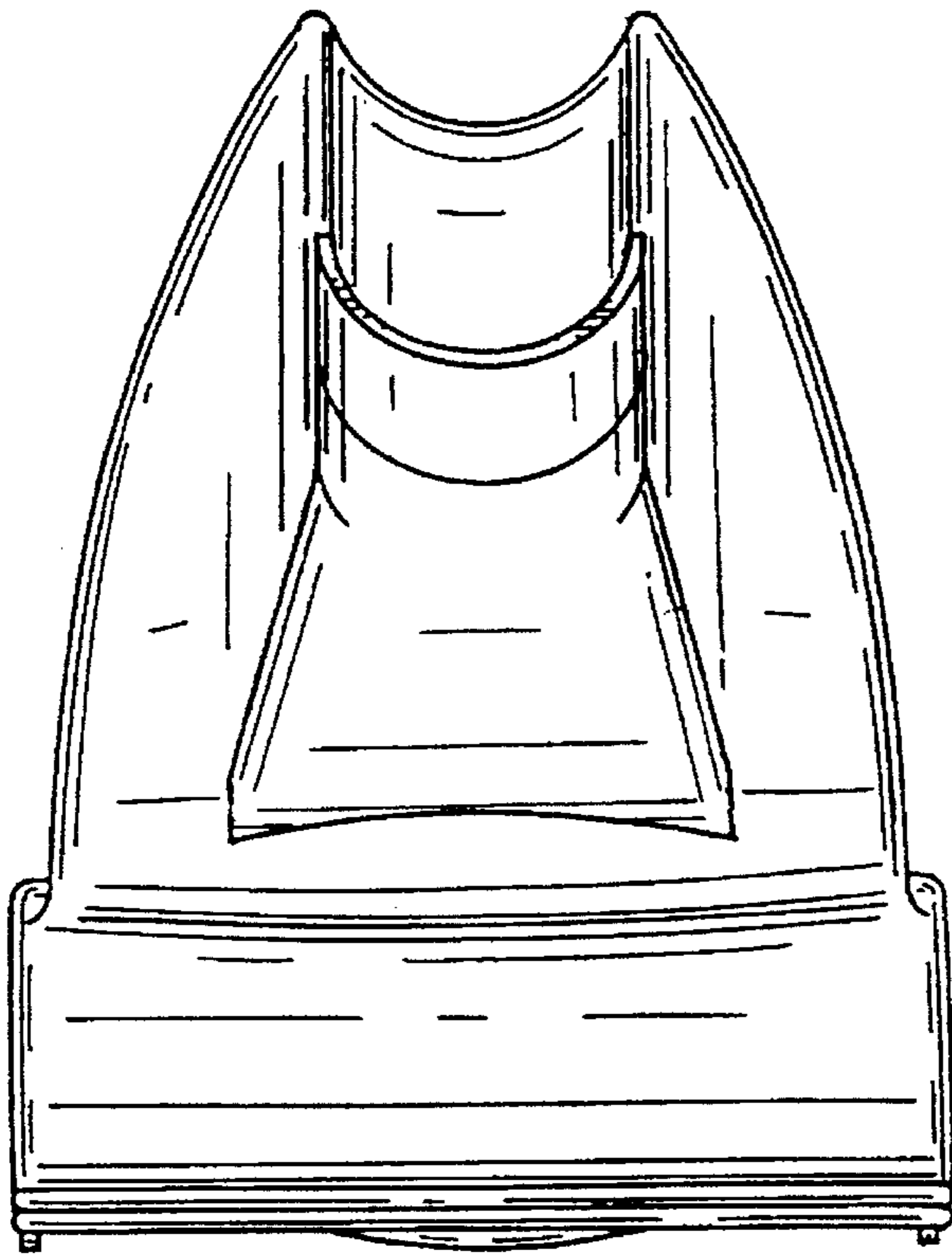


FIG. 2

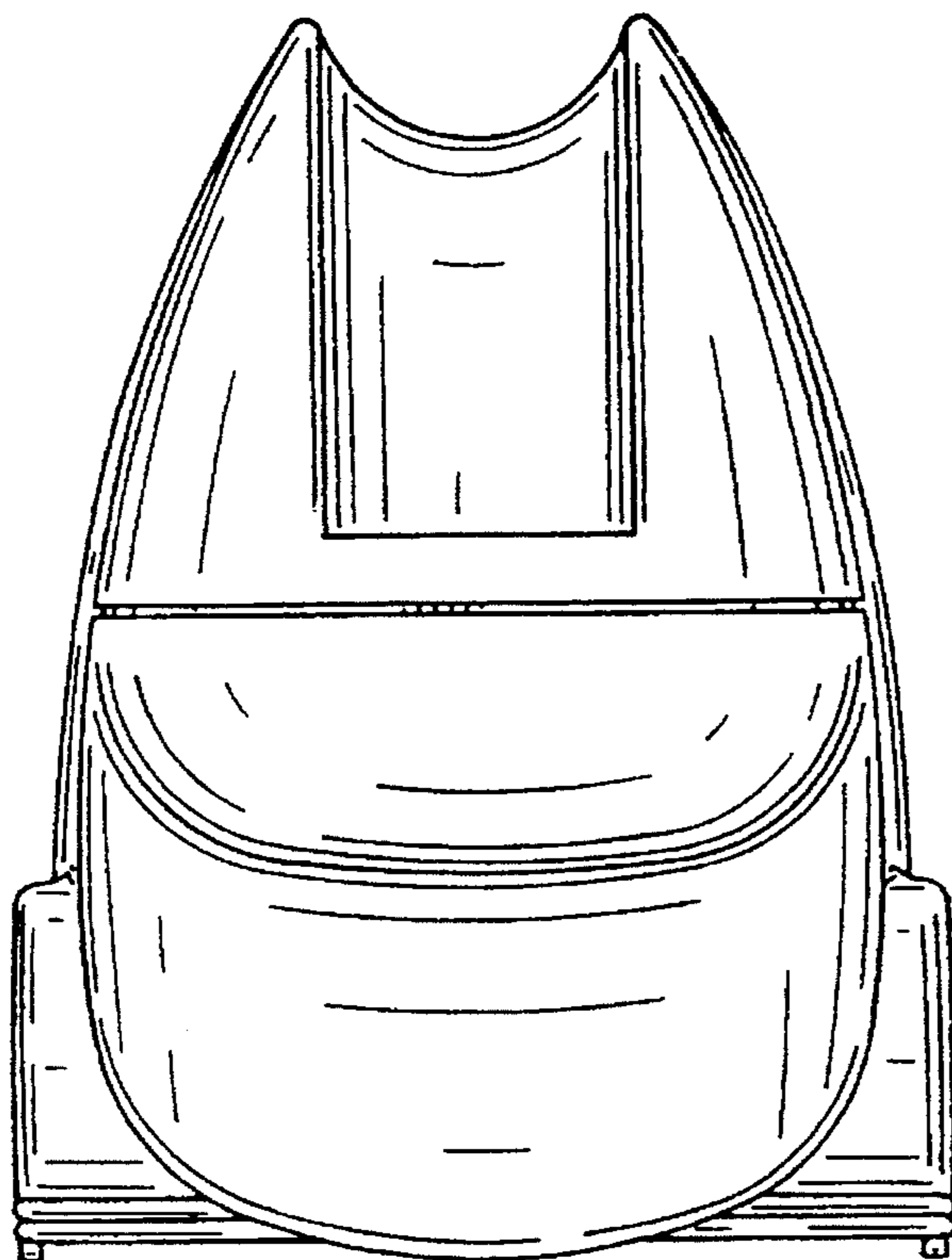
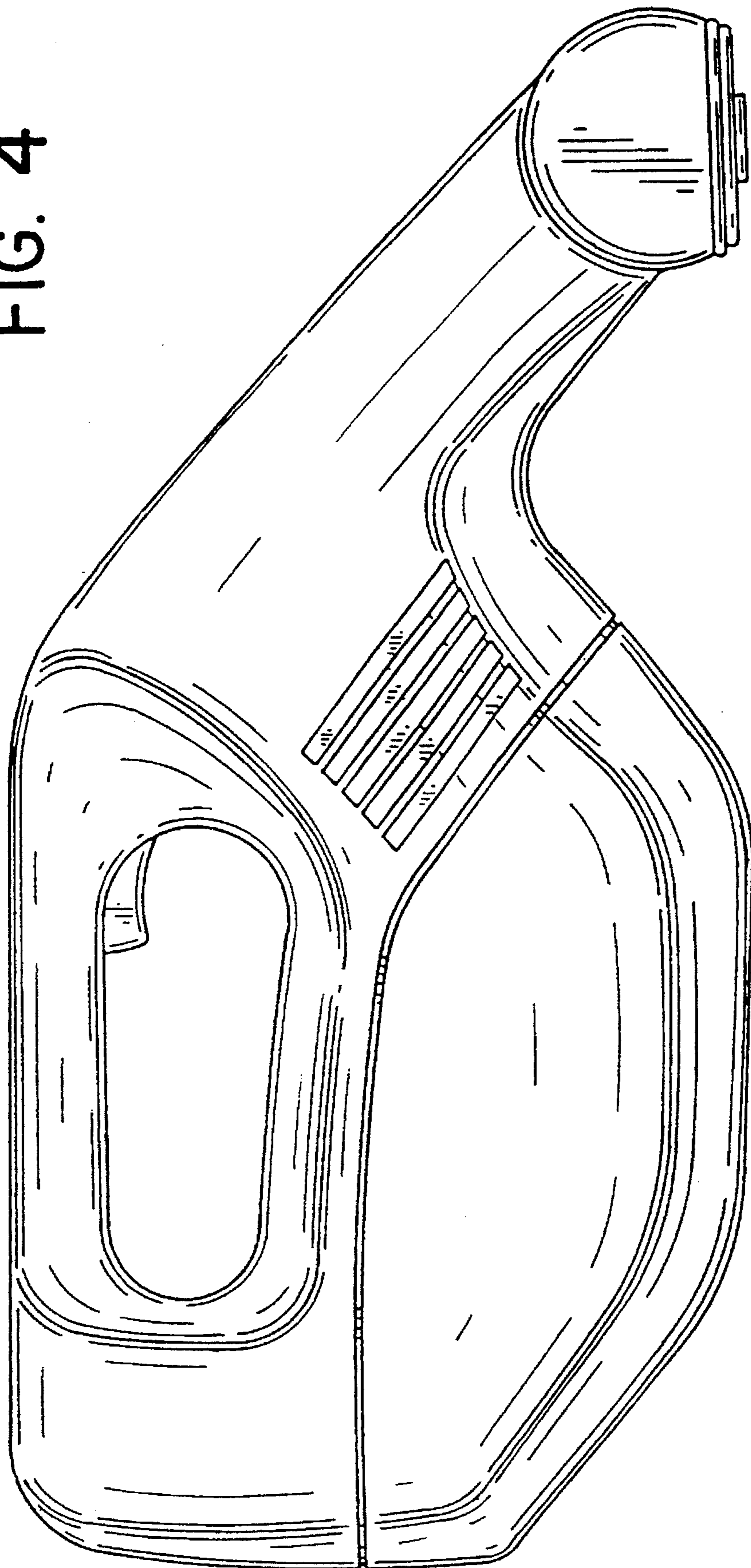


FIG. 3

FIG. 4



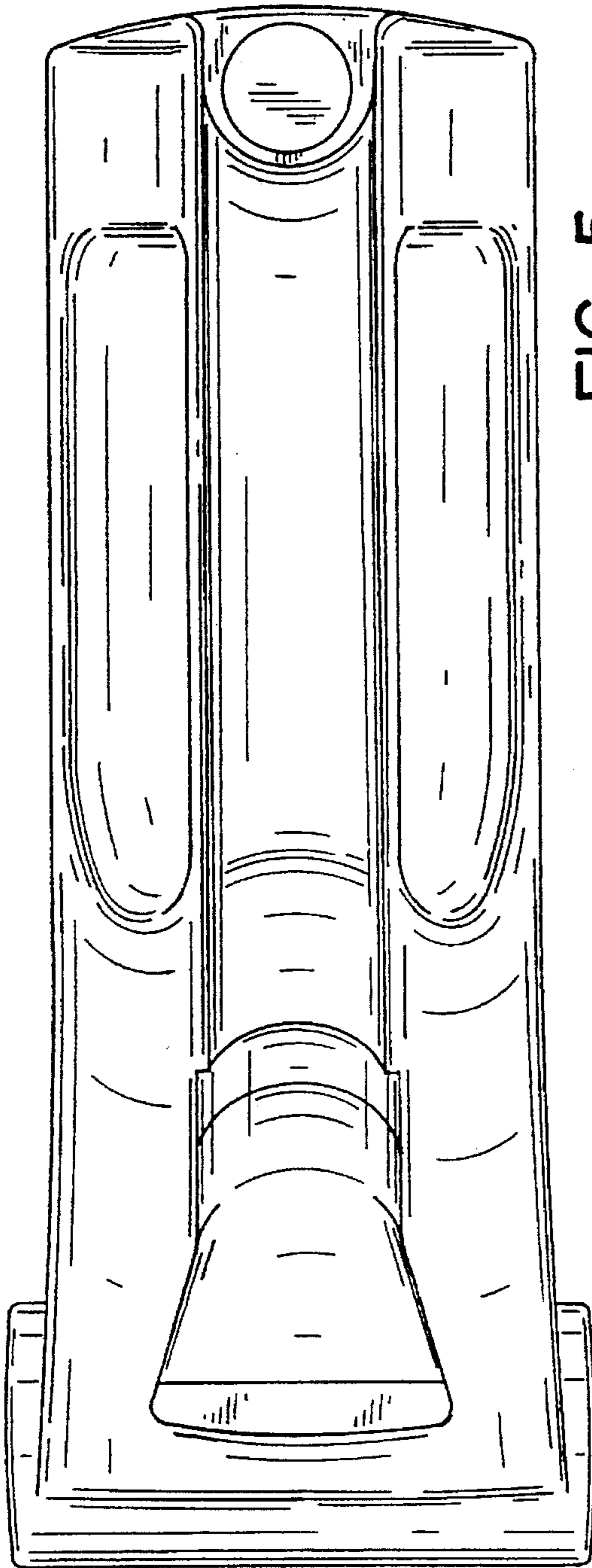


FIG. 5

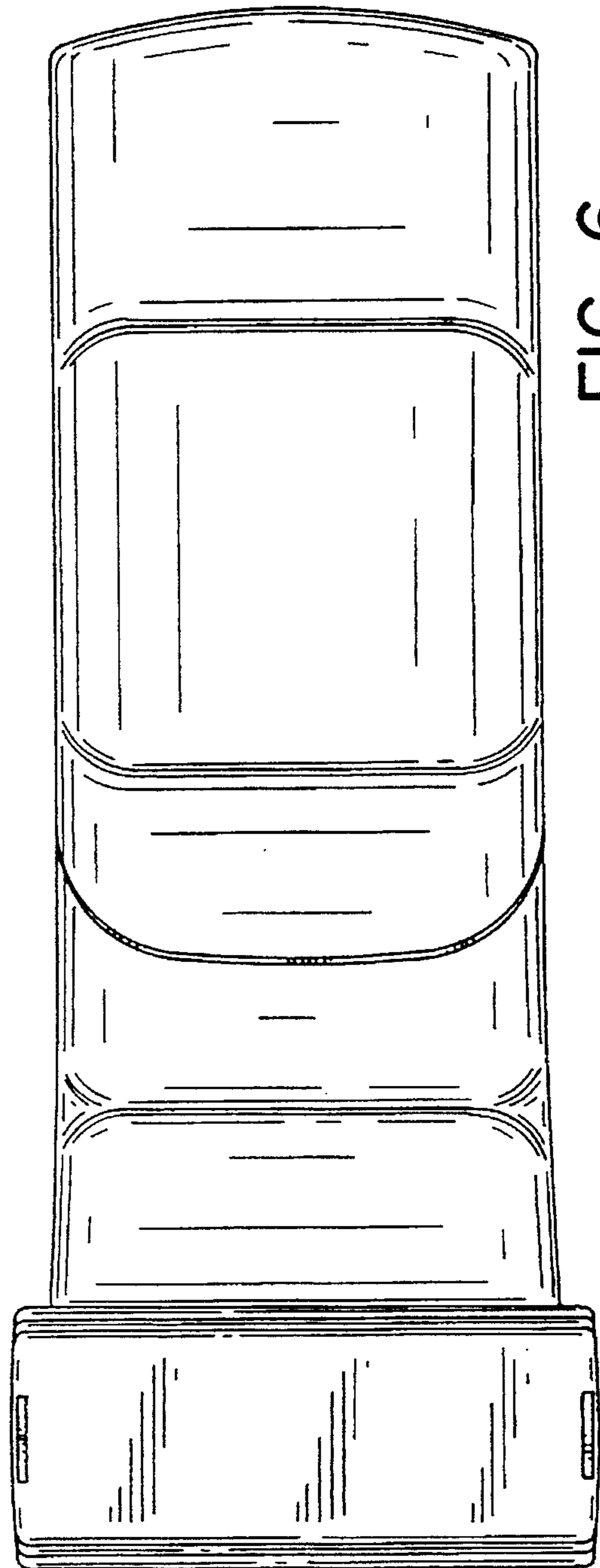


FIG. 6

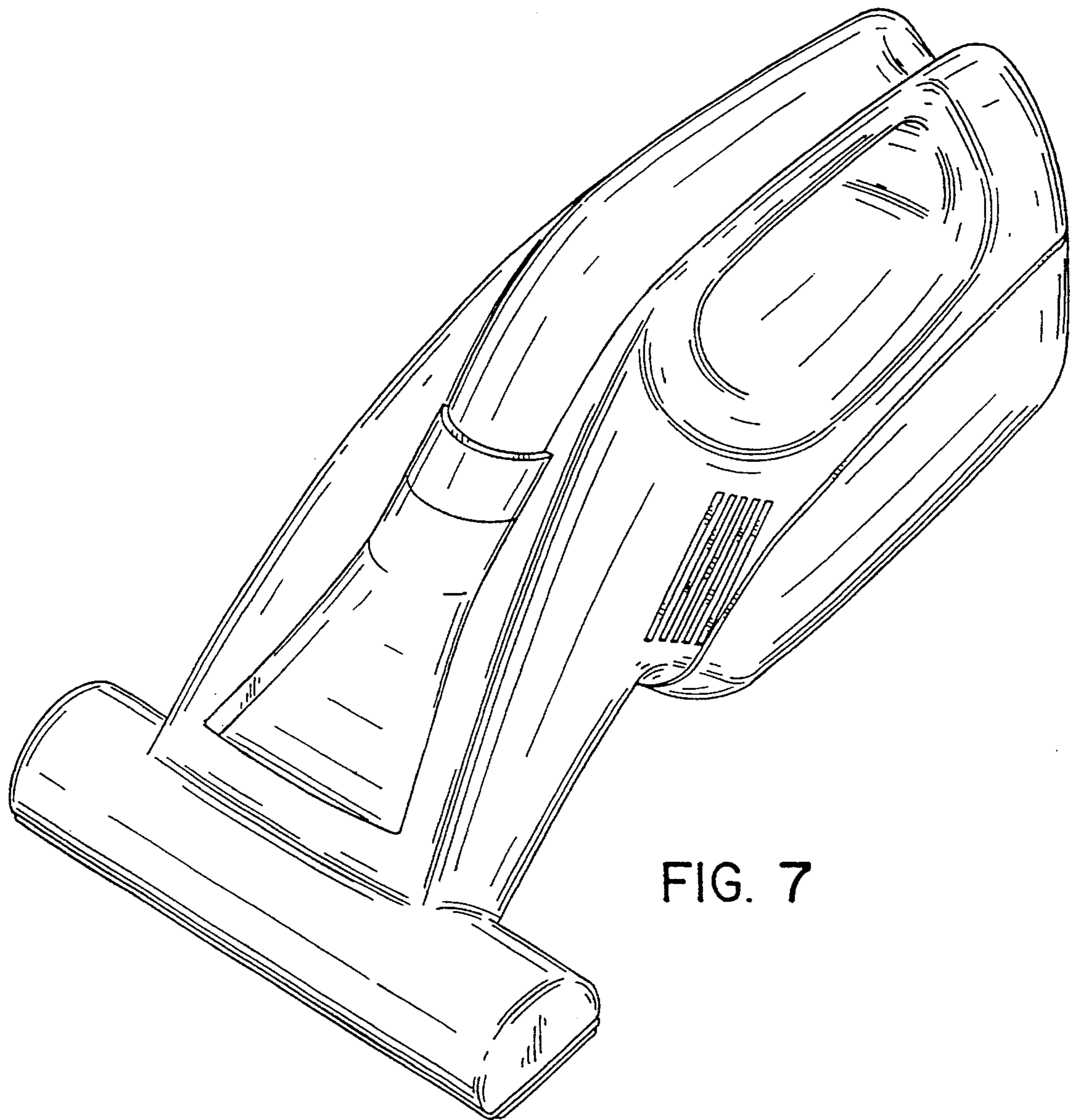


FIG. 7

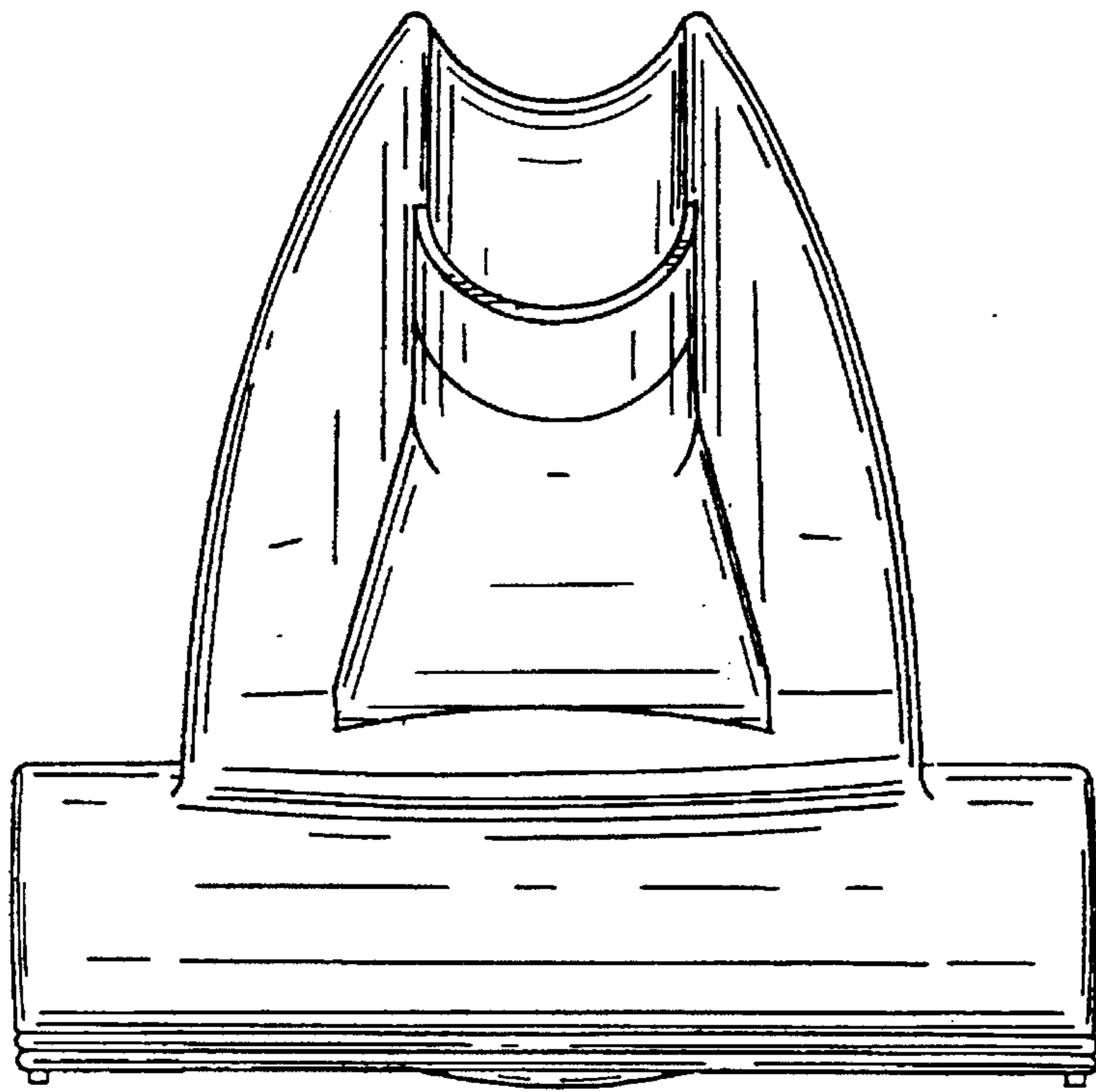


FIG. 8

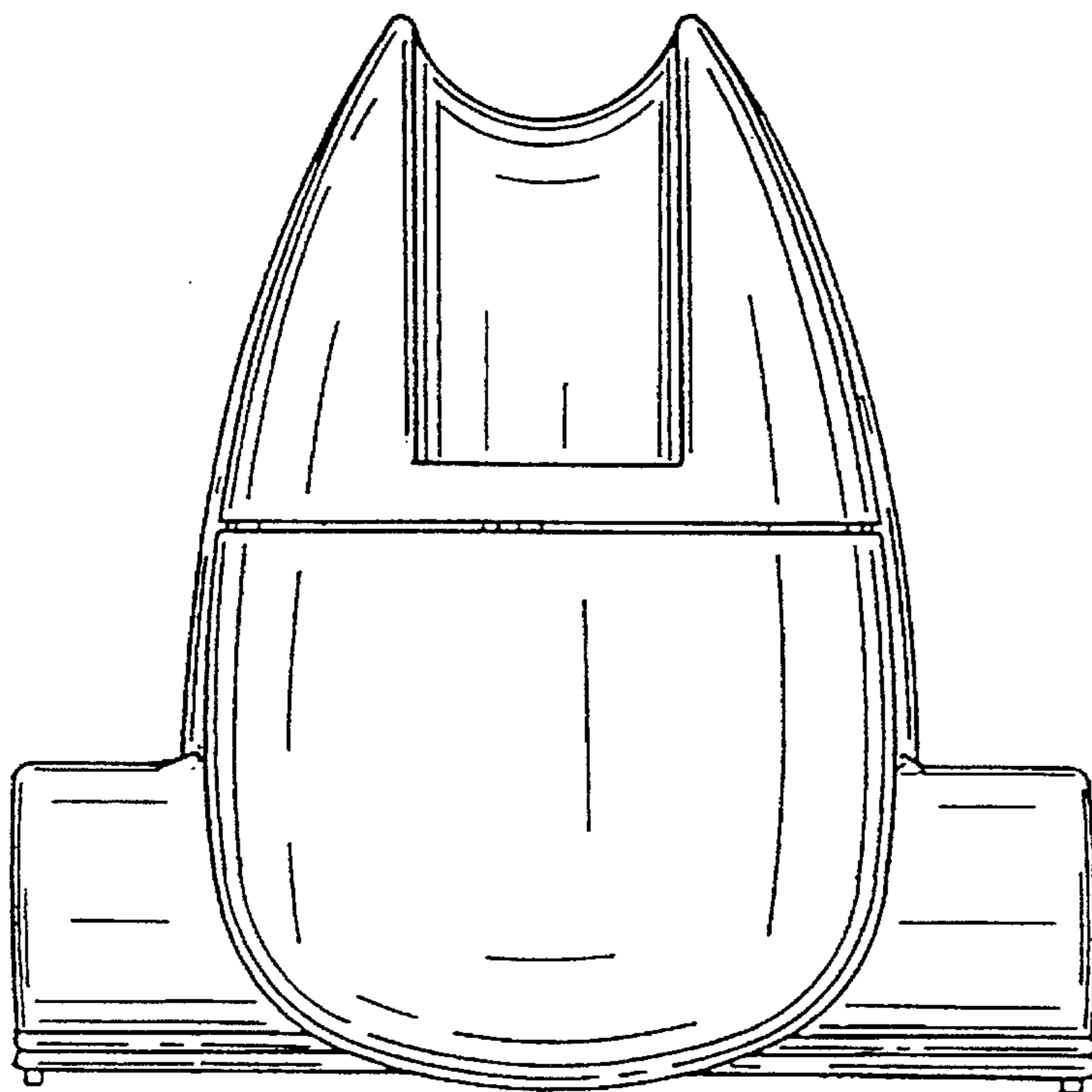
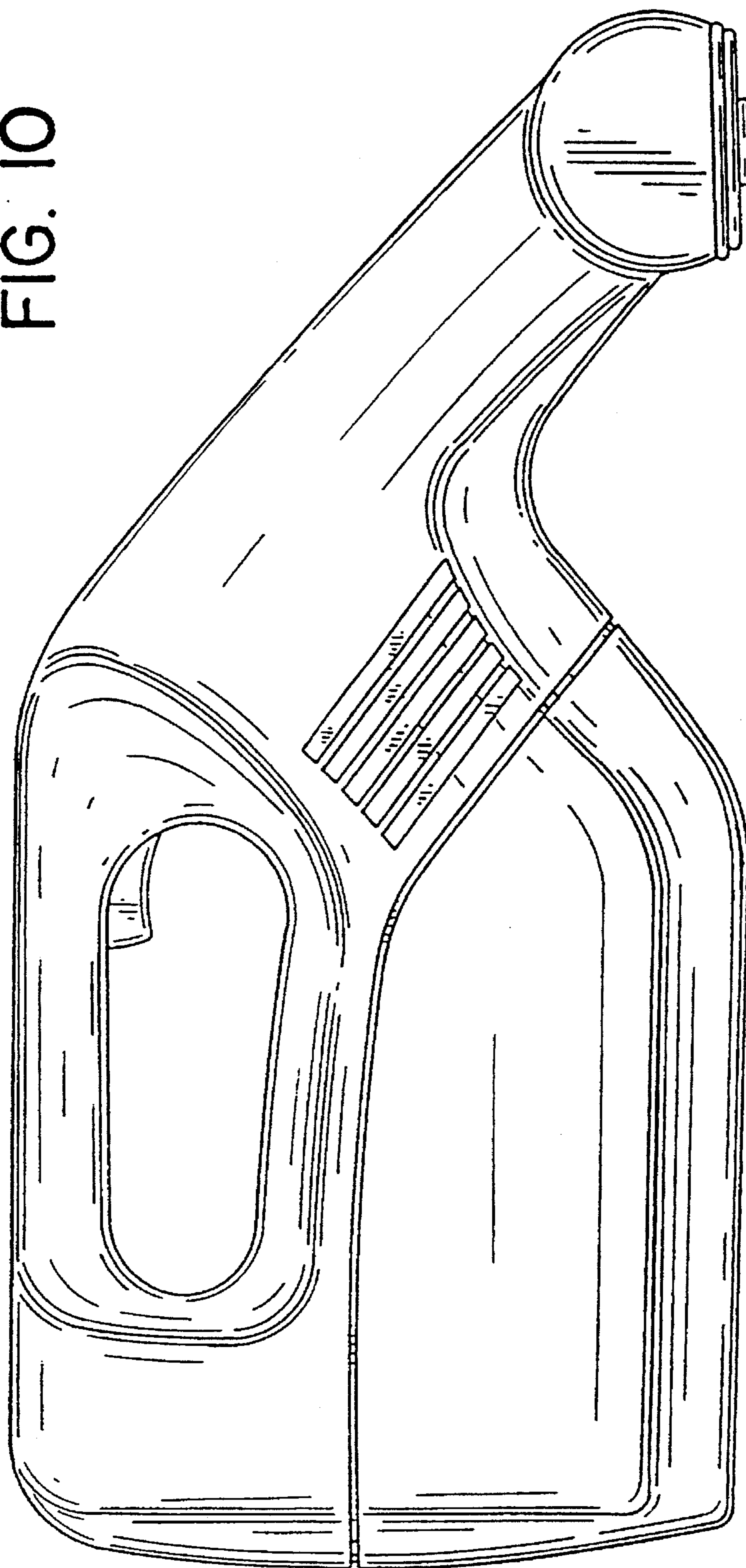


FIG. 9

FIG. 10





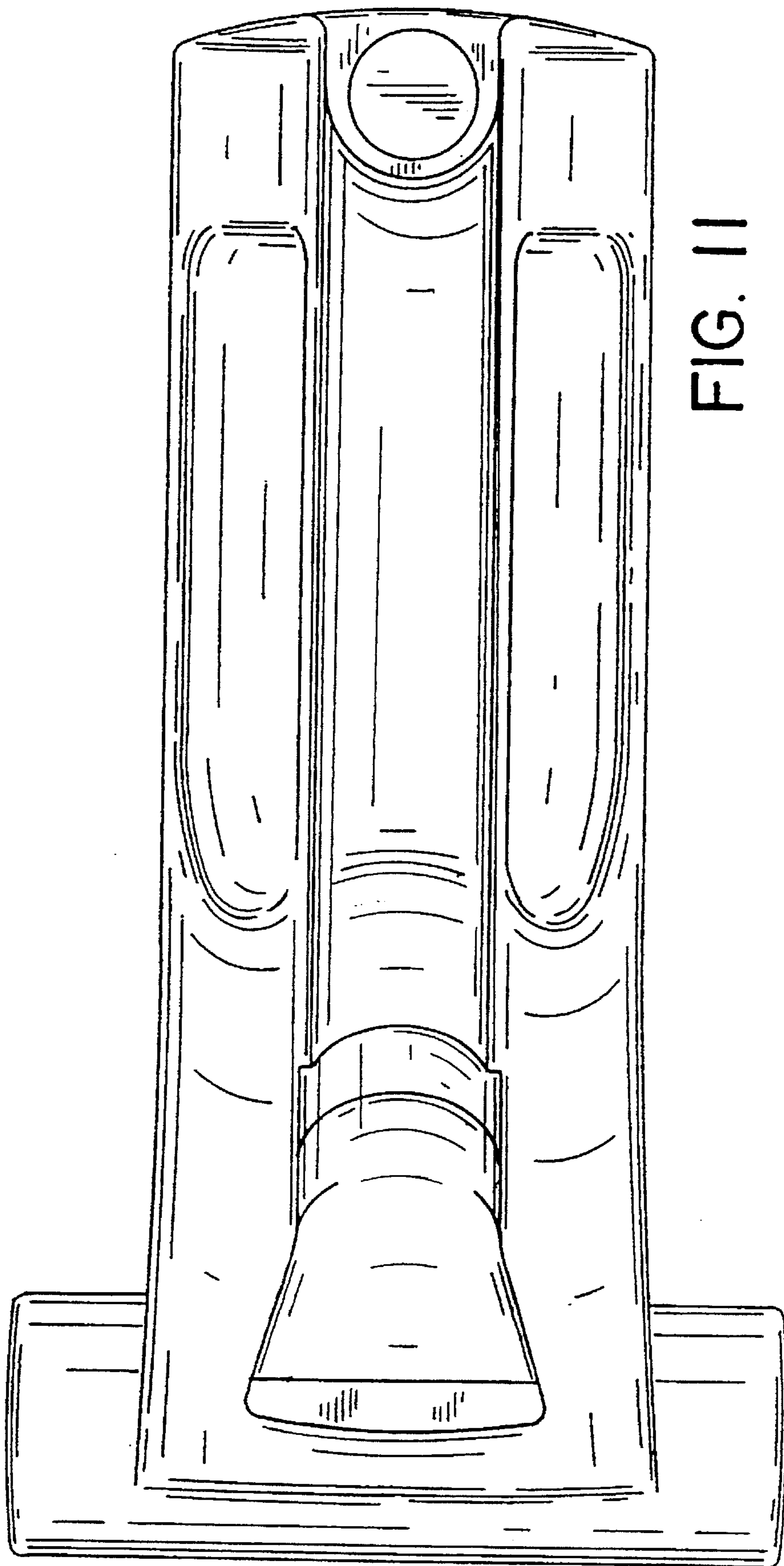


FIG. 11

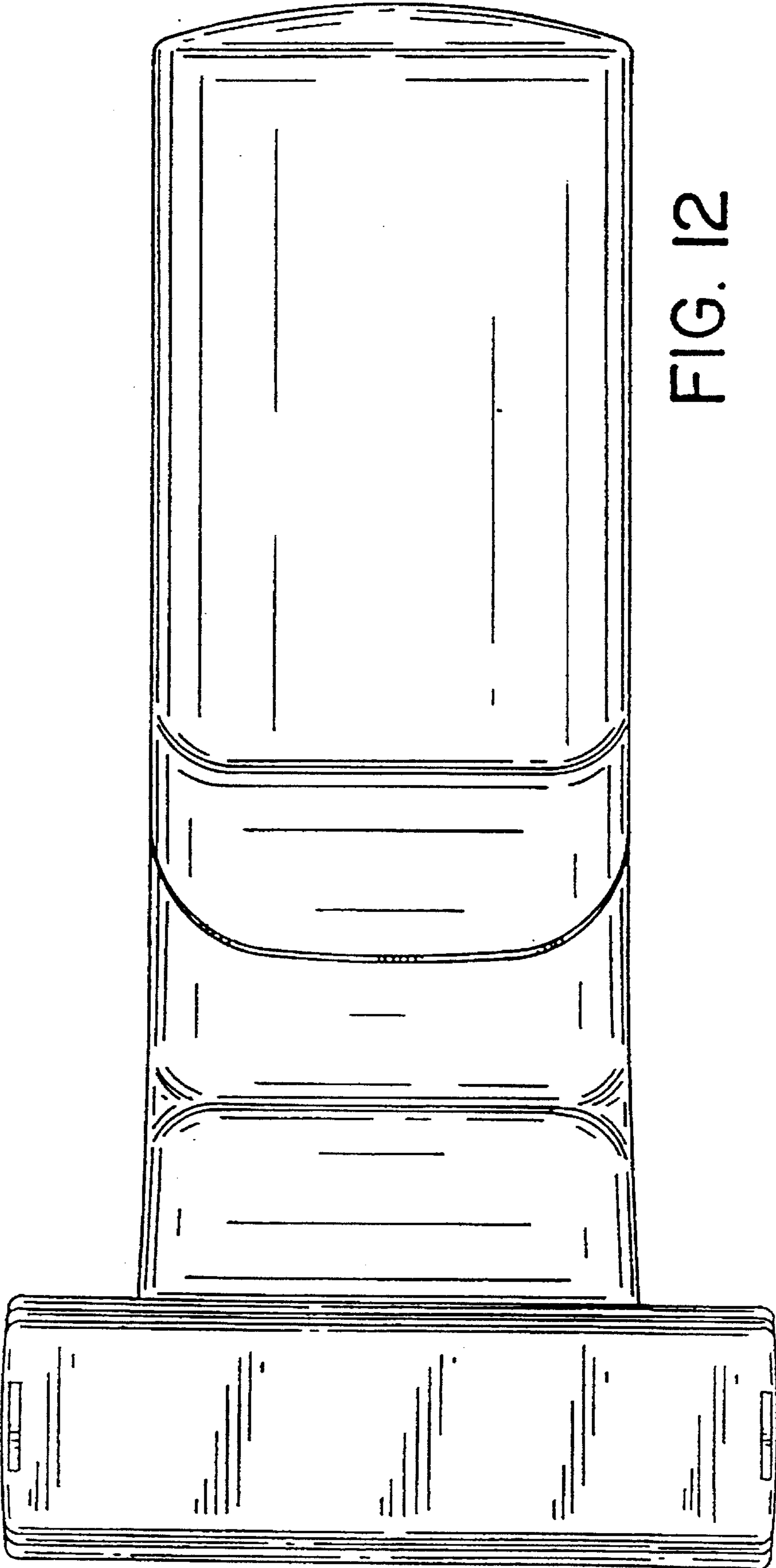


FIG. 12