



US00D376228S

# United States Patent [19]

Bass et al.

[11] Patent Number: **Des. 376,228**

[45] Date of Patent: **\*\*Dec. 3, 1996**

[54] **VACUUM CLEANER**

[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.

[73] Assignee: **Black & Decker Inc.**, Newark, Del.

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

[21] Appl. No.: **42,430**

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

### Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 33,445, Jan. 13, 1995.

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

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

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

#### OTHER PUBLICATIONS

Hong Kong Enterprise, p. 180. "AV-1 Advance vacuum cleaner" Apr. 1984.

Primary Examiner—Ruth McInroy

Attorney, Agent, or Firm—J. Bruce Hoofnagle

### [57] CLAIM

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

### DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of our new design of a vacuum cleaner;

FIG. 2 is a front view of the first embodiment of our new design of the vacuum cleaner;

FIG. 3 is a rear view of the first embodiment of our new design of the vacuum cleaner;

FIG. 4 is a right side view of the first embodiment of our new design of the vacuum cleaner, the left side view thereof being a mirror image of the right side view;

FIG. 5 is a top view of the first embodiment of our new design of the vacuum cleaner;

FIG. 6 is a bottom view of the first embodiment of our new design of the vacuum cleaner;

FIG. 7 is a perspective of a second embodiment of our new design of a vacuum cleaner;

FIG. 8 is a front view of the second embodiment of our new design of the vacuum cleaner;

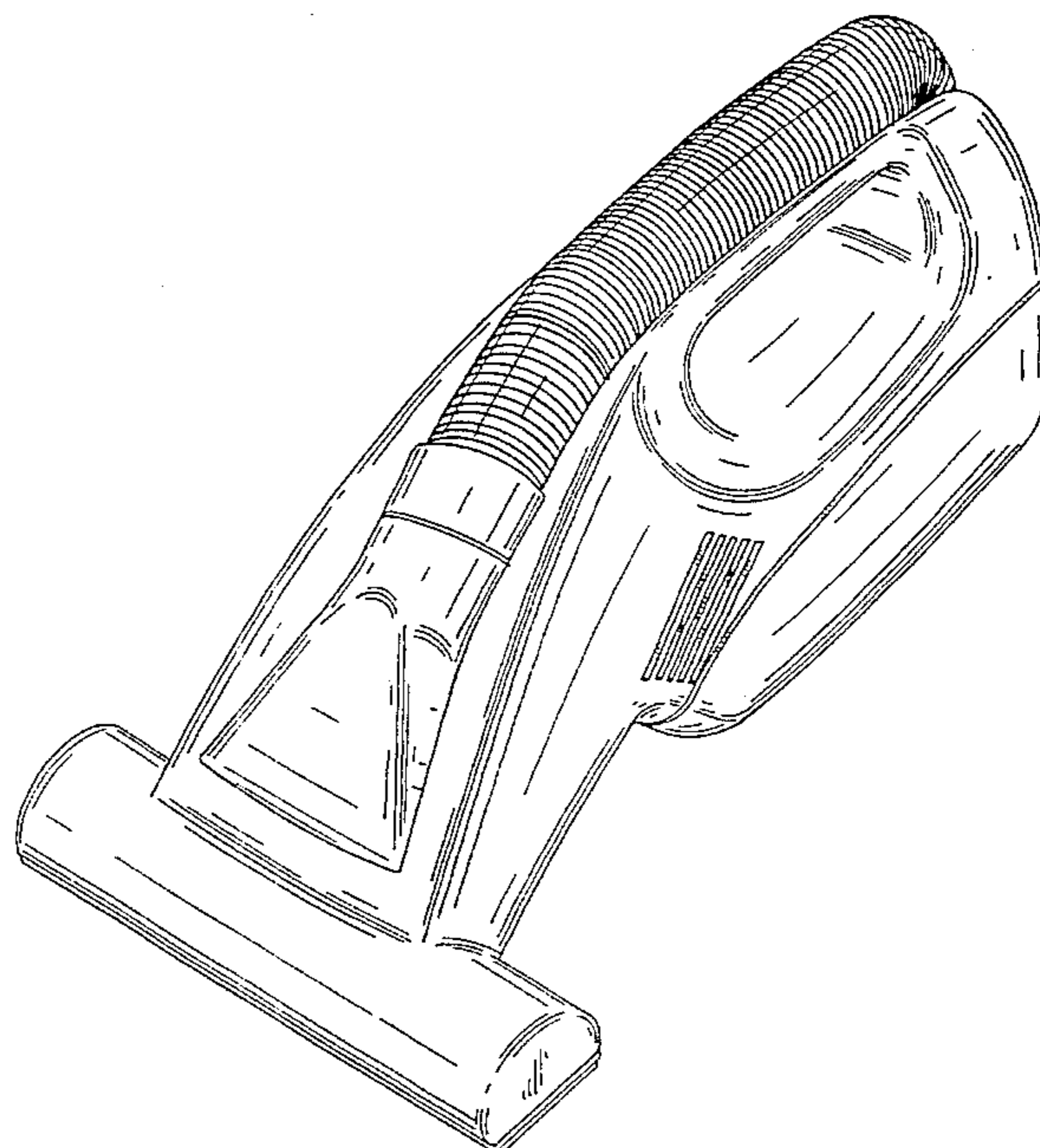
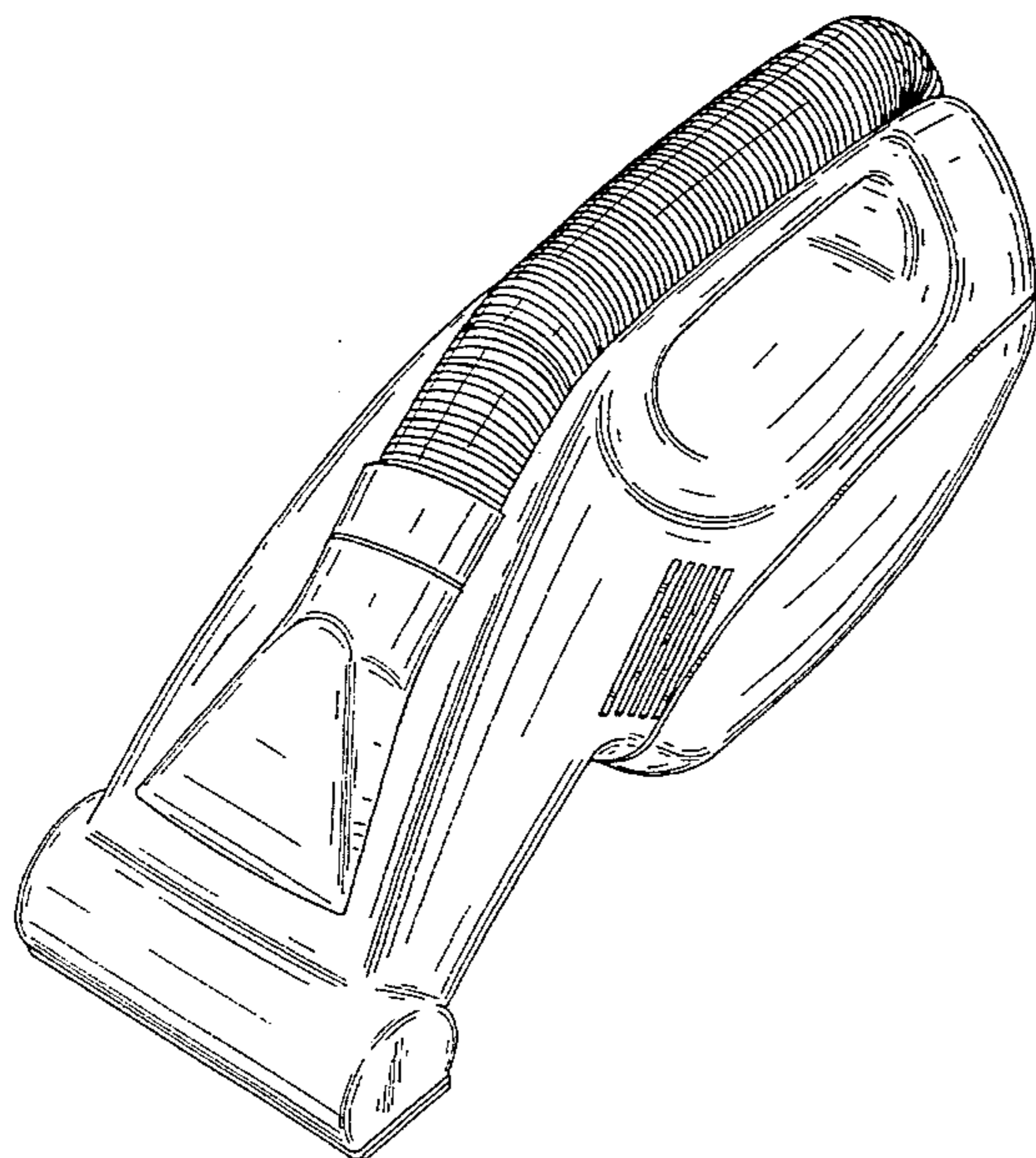
FIG. 9 is a rear view of the second embodiment of our new design of the vacuum cleaner;

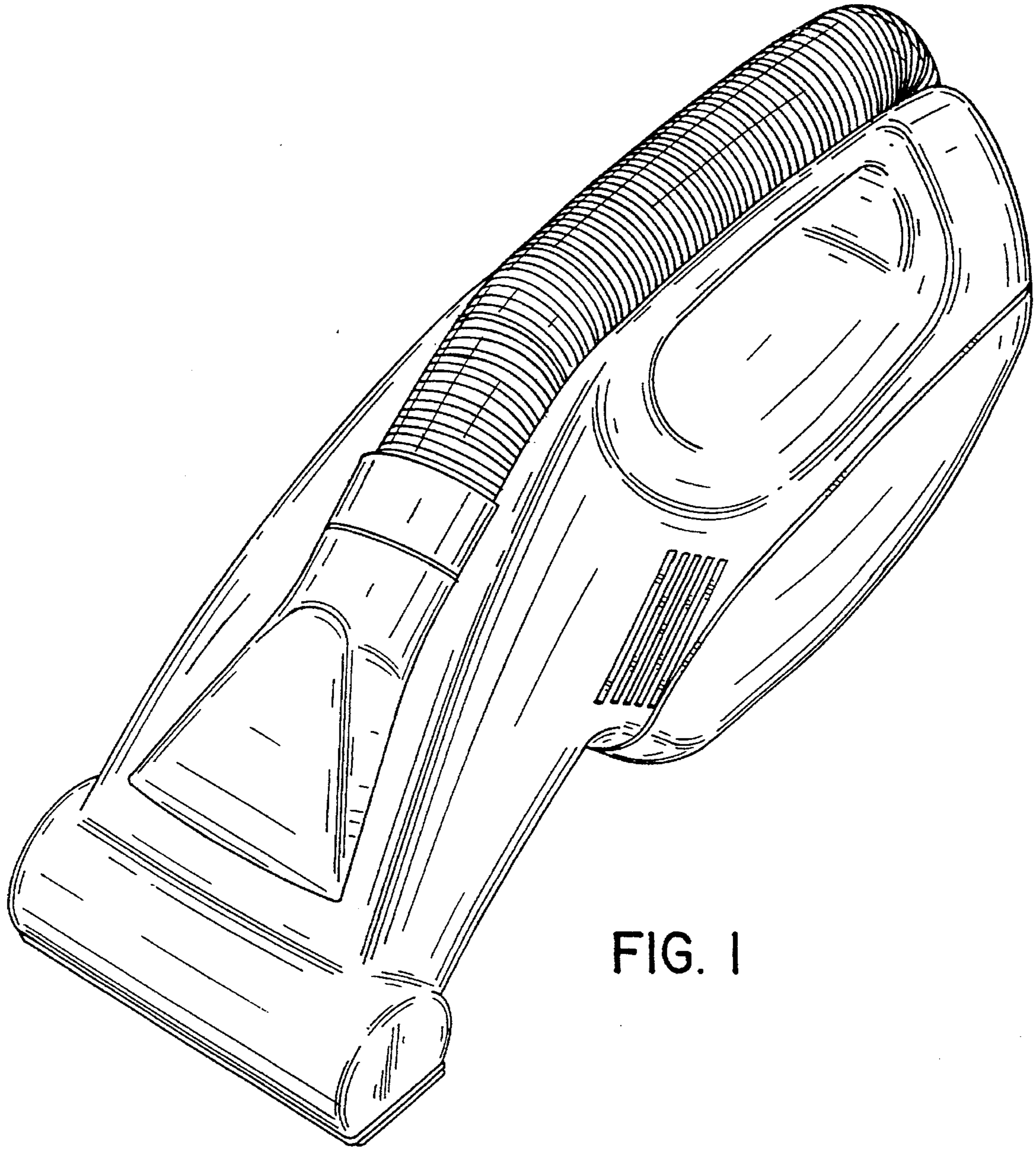
FIG. 10 is a right side view of the second embodiment of our new design of the vacuum cleaner, the left side view thereof being a mirror image of the right side view;

FIG. 11 is a top side view of the second embodiment of our new design of the vacuum cleaner; and,

FIG. 12 is a bottom view of the second embodiment of our new design of the vacuum cleaner.

1 Claim, 9 Drawing Sheets





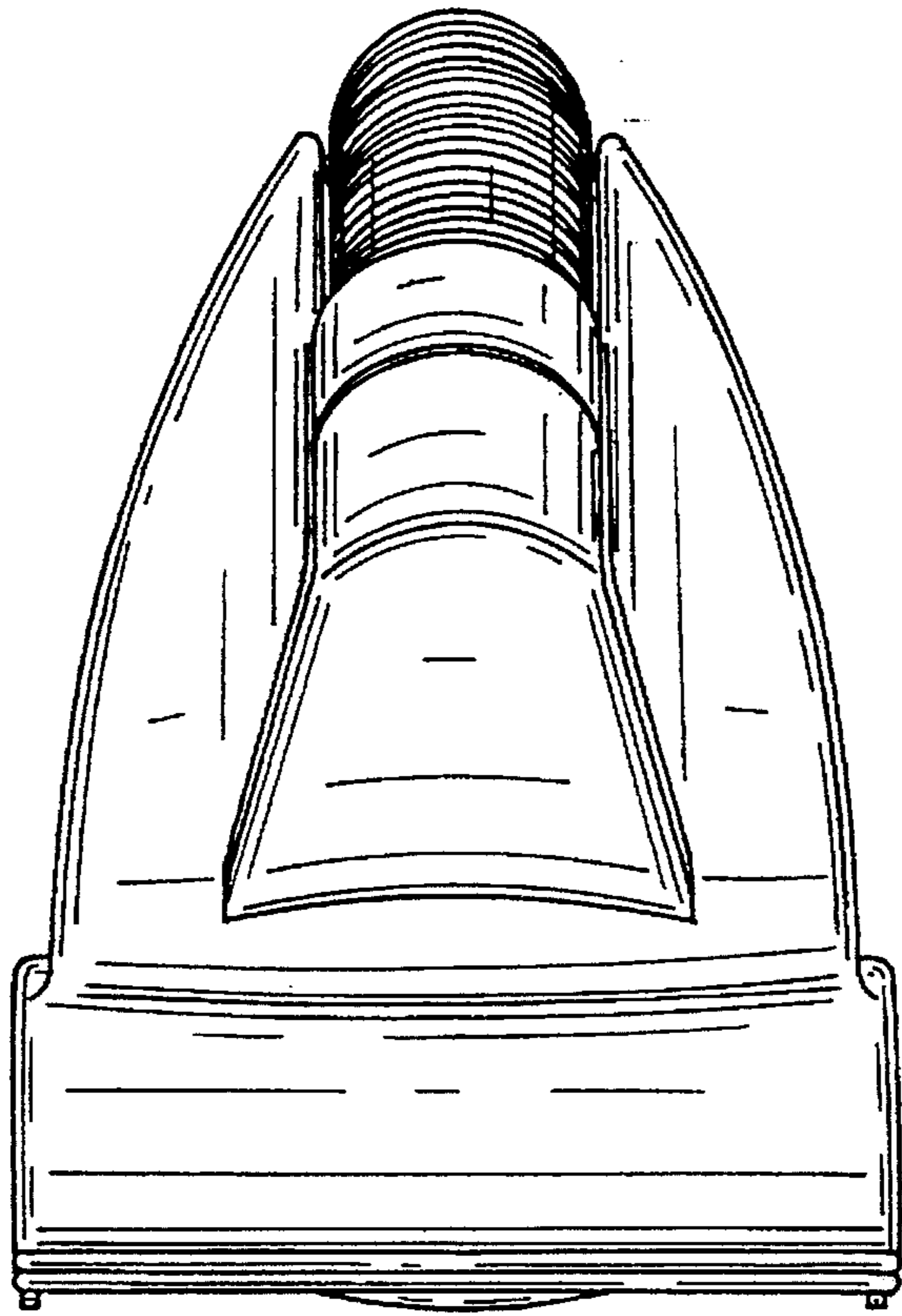


FIG. 2

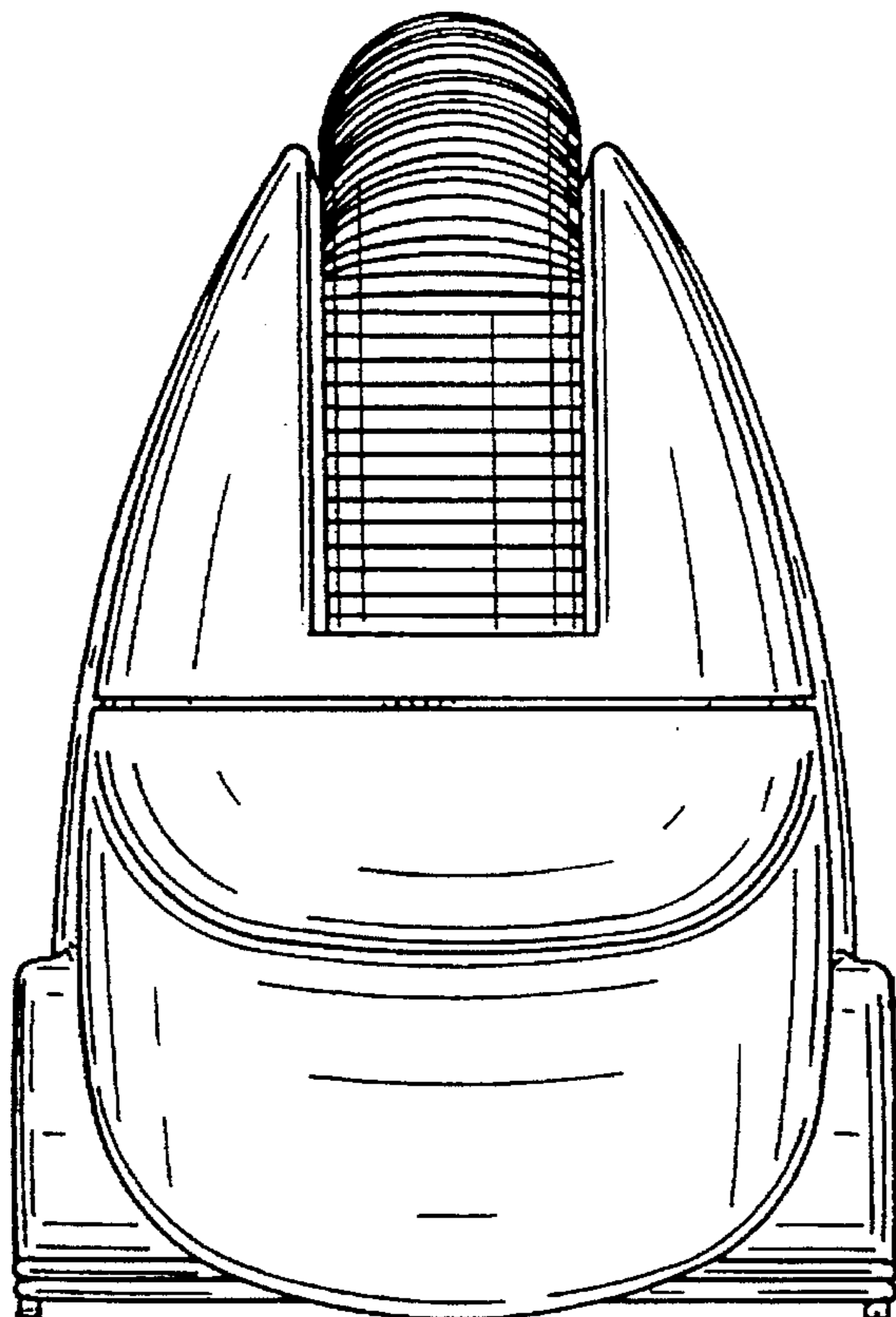
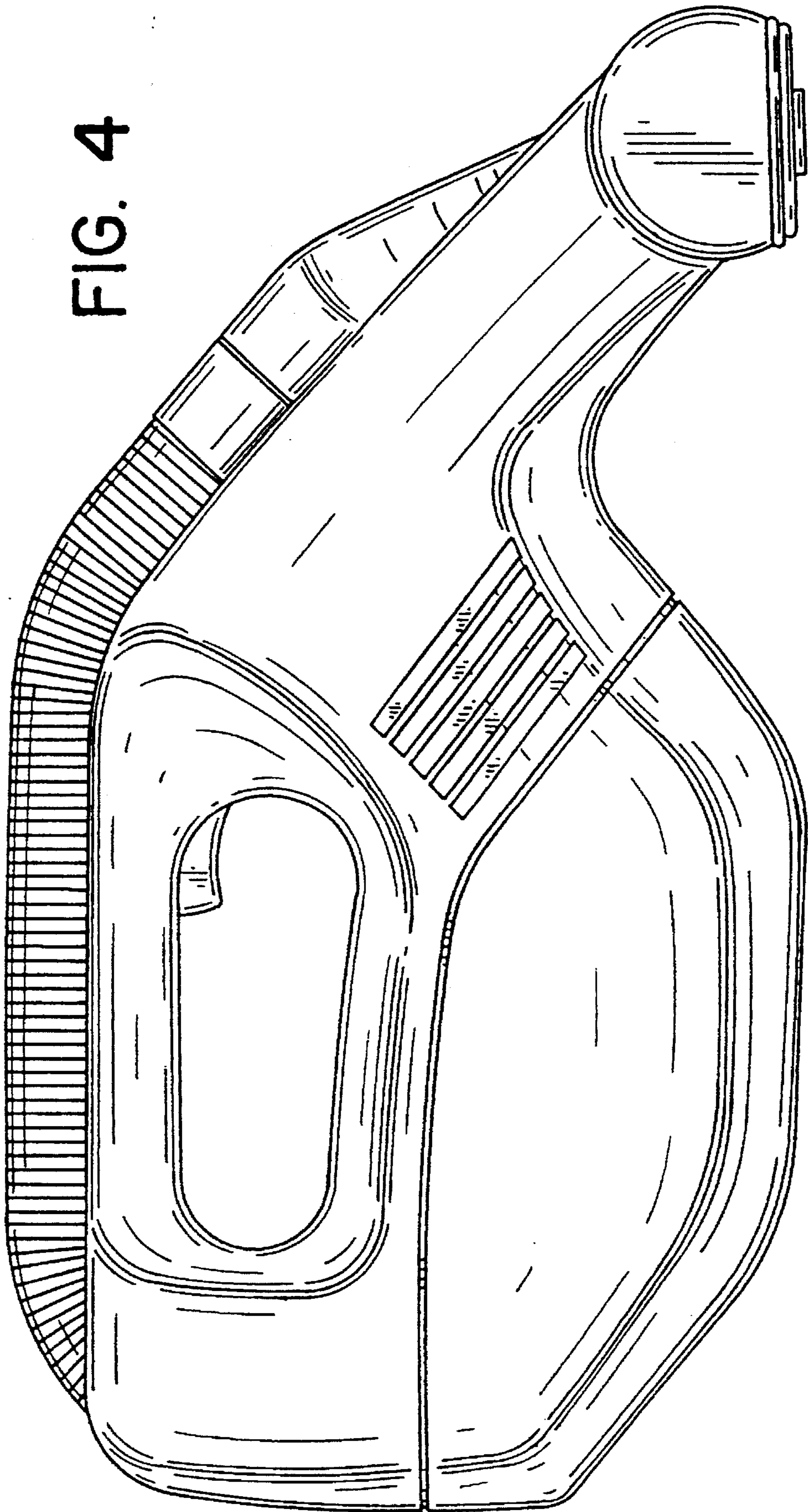


FIG. 3

FIG. 4



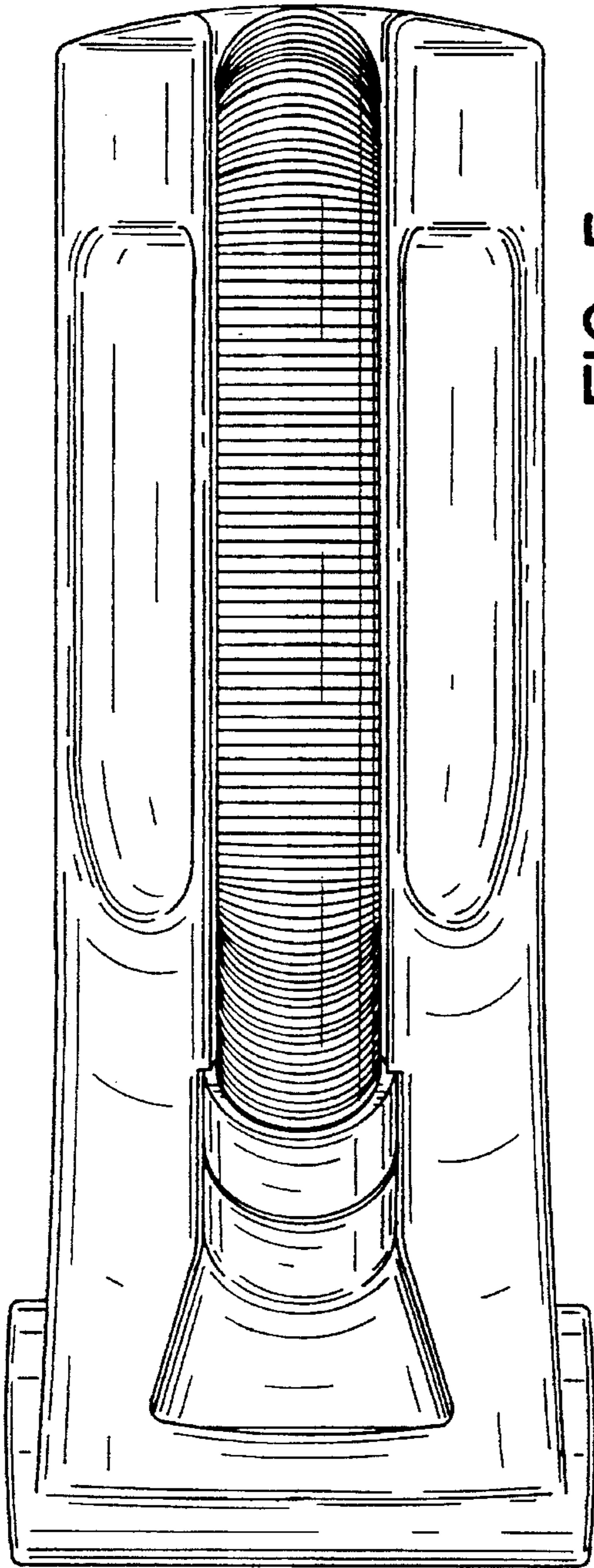


FIG. 5

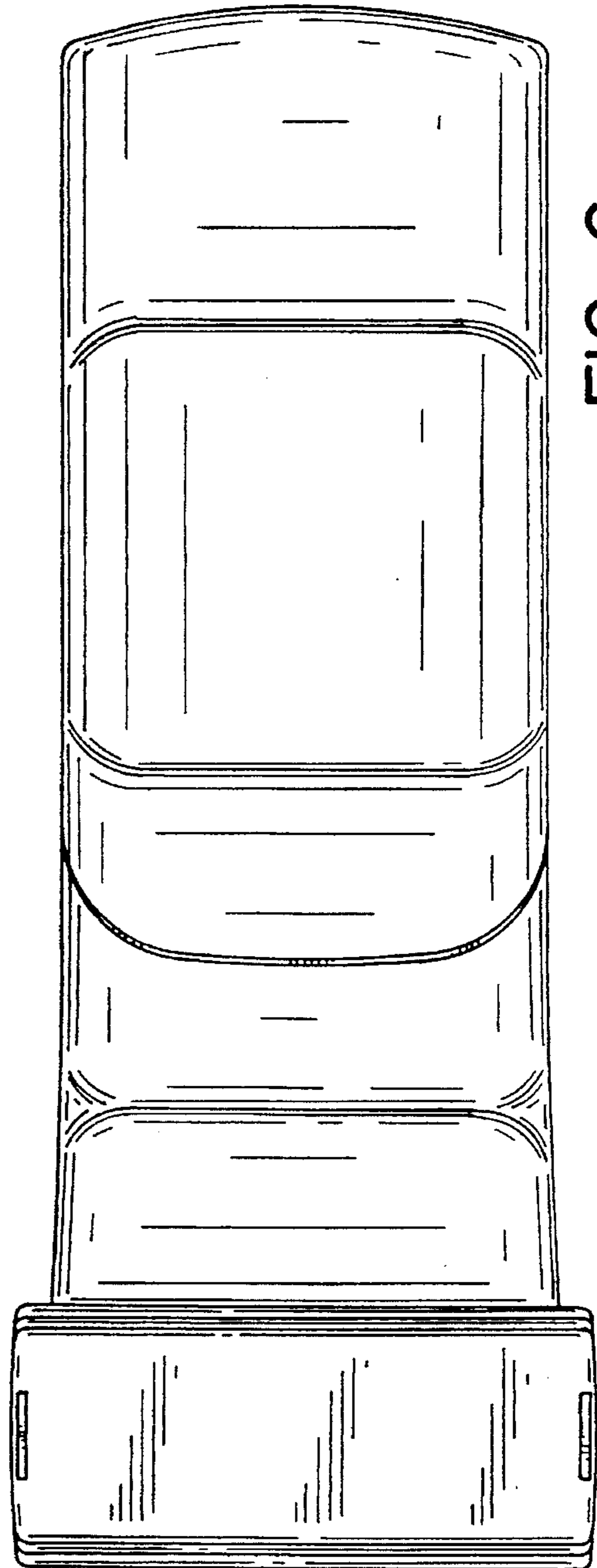


FIG. 6

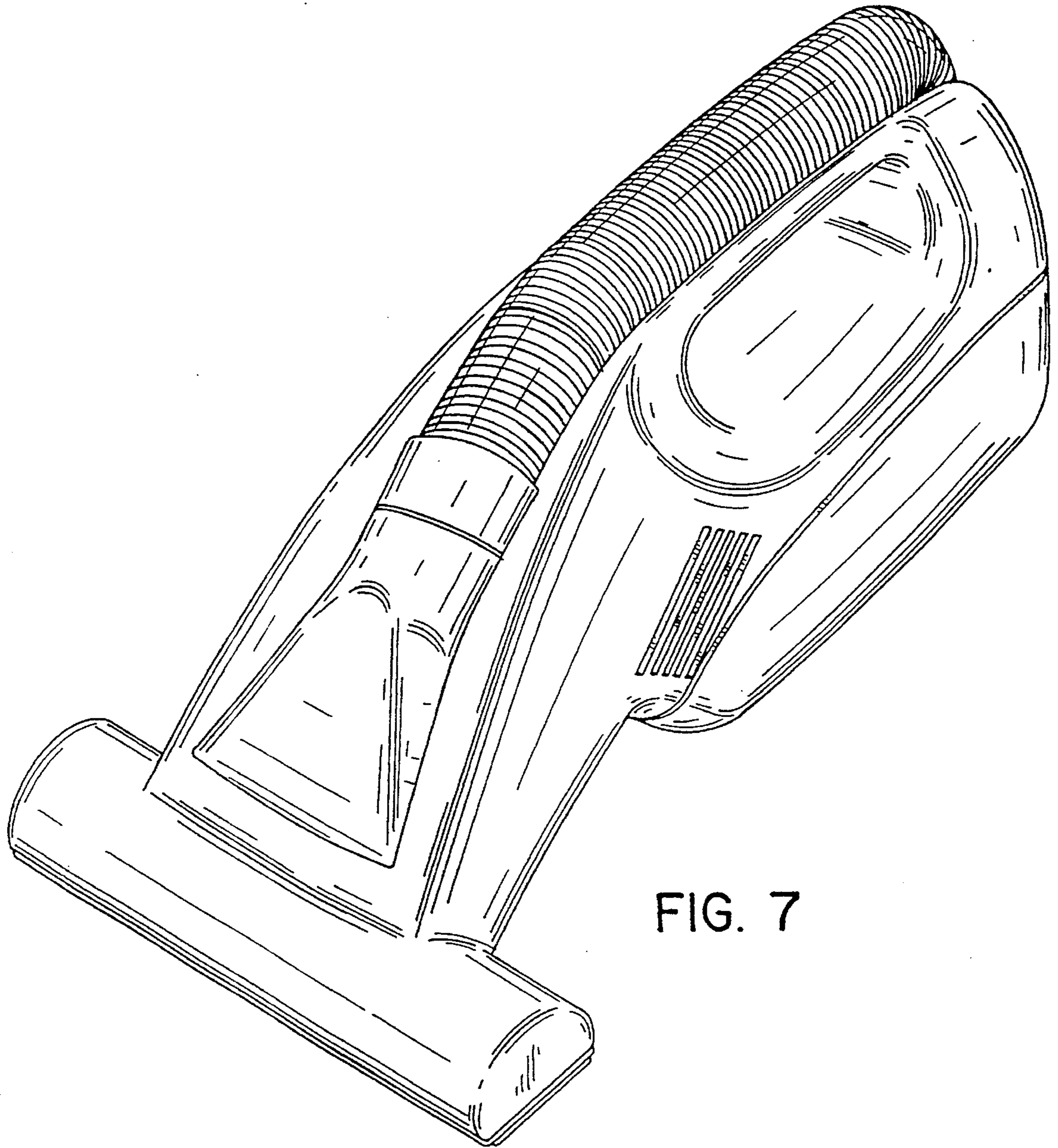


FIG. 7

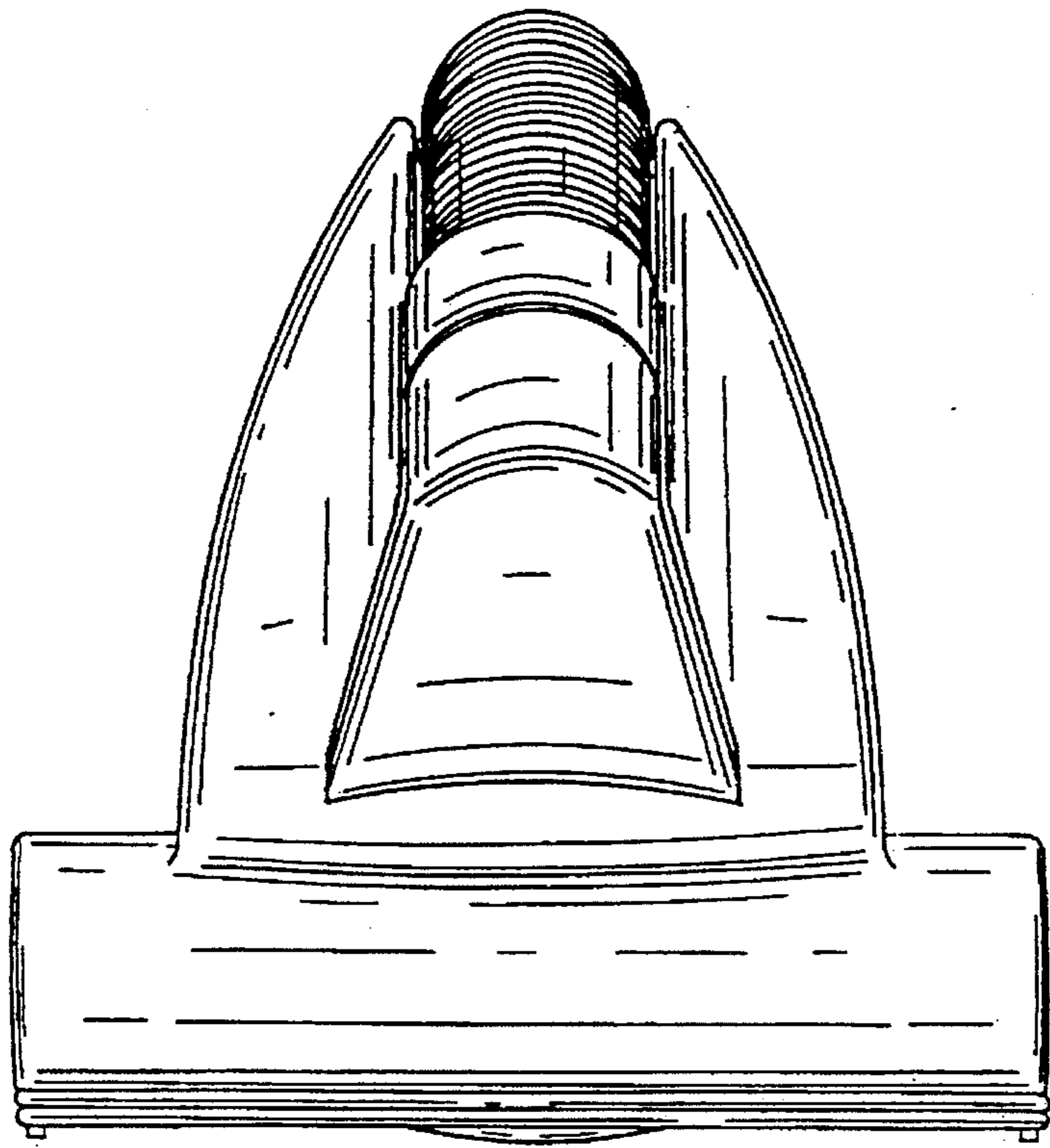


FIG. 8

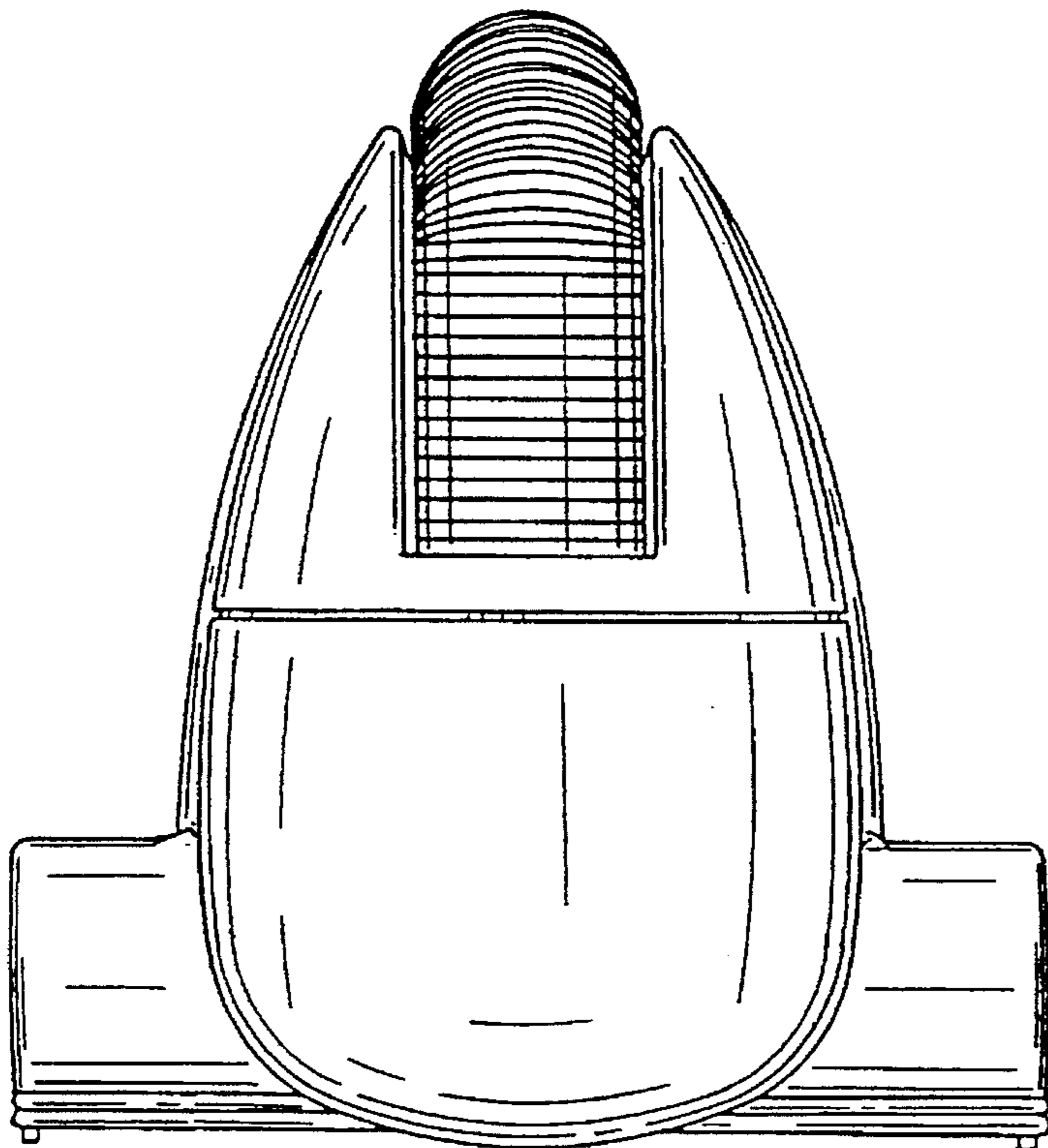
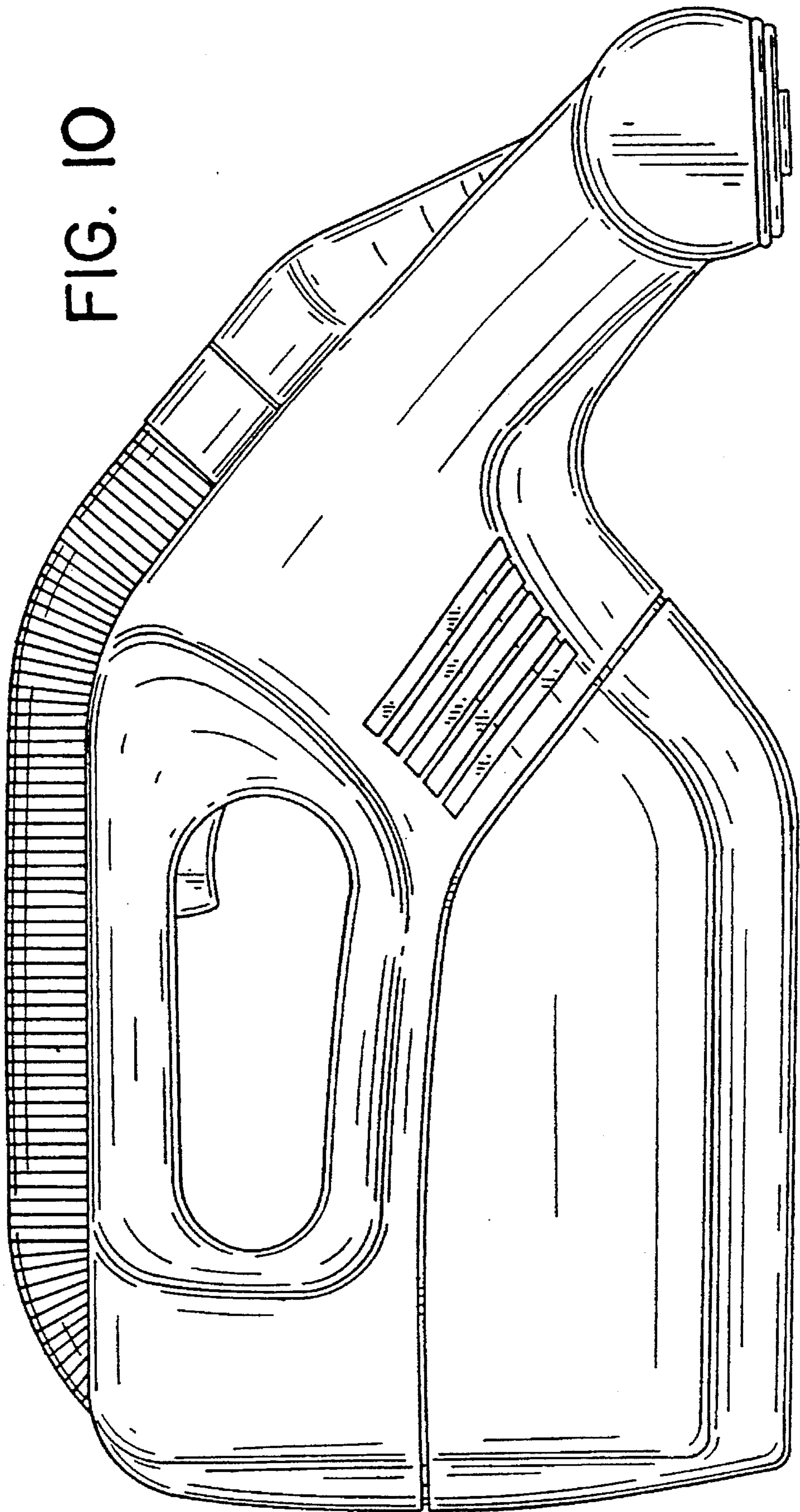


FIG. 9

FIG. 10





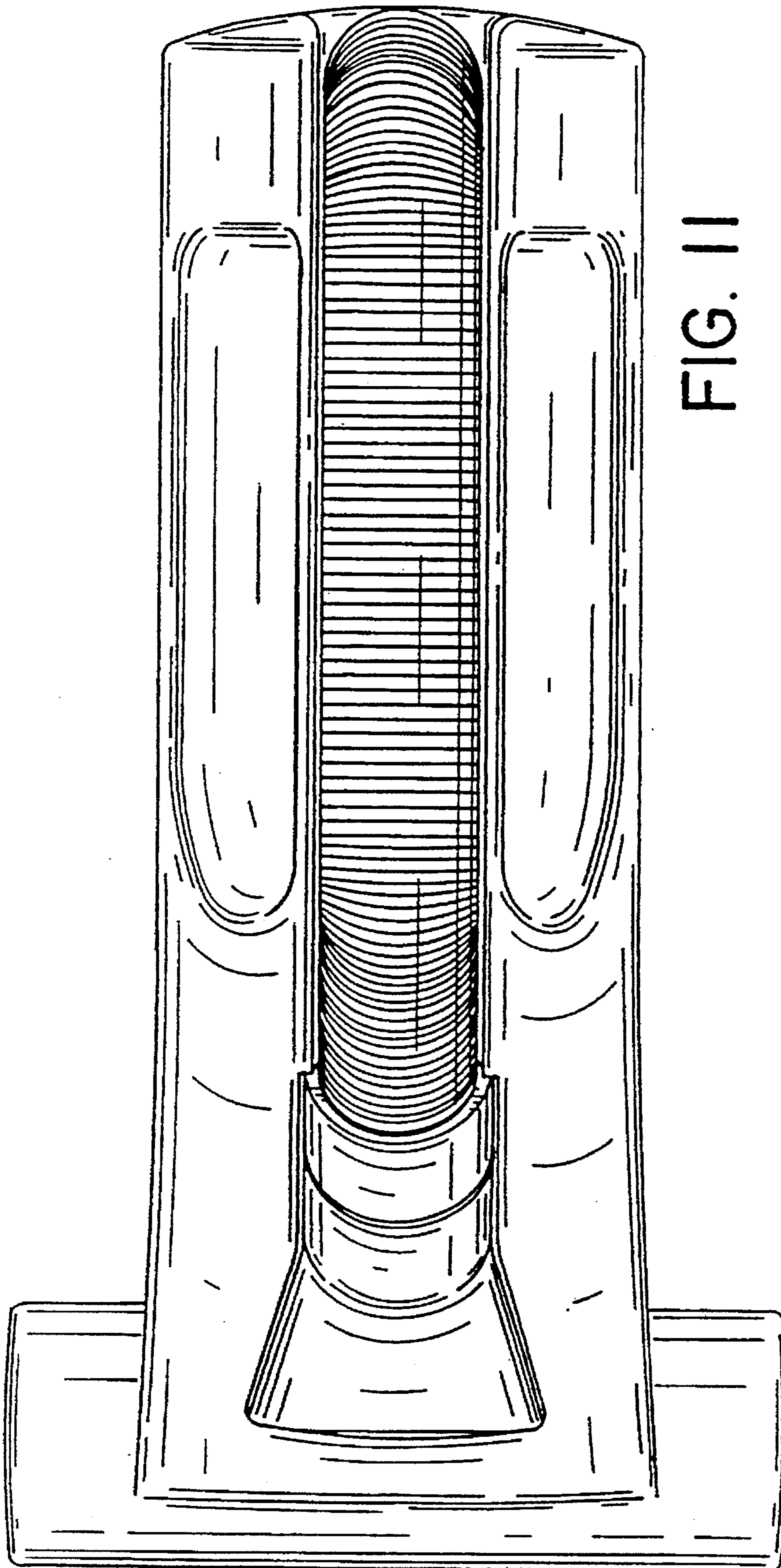


FIG. 11

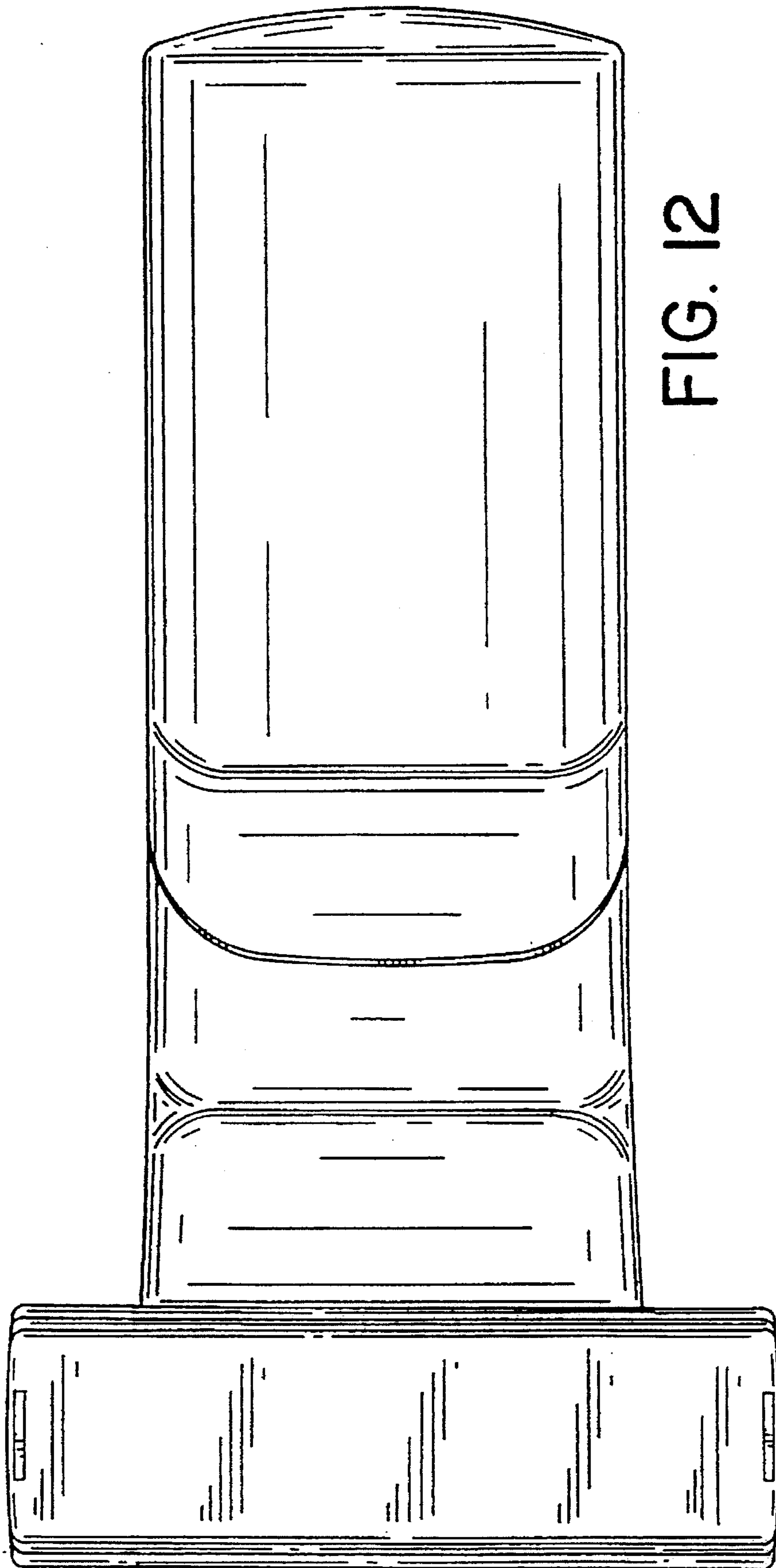


FIG. 12