



US00D404857S

United States Patent [19] Ng

[11] **Patent Number: Des. 404,857**

[45] **Date of Patent: **Jan. 26, 1999**

[54] **VACUUM CLEANER**

[75] **Inventor: Wai Kong Ng, Tsuen Wan, Hong Kong**

[73] **Assignee: Winmate Industrial Limited, Hong Kong**

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

[21] **Appl. No.: 75,026**

[22] **Filed: Aug. 14, 1997**

[51] **LOC (6) Cl. 15-05**

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

[58] **Field of Search D32/17, 18, 22;
15/344, 329, 347**

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 275,427	9/1984	Kishi et al.	D32/18
D. 287,893	1/1987	Fujii et al.	D32/18
D. 320,099	9/1991	Case et al.	D32/18
D. 352,807	11/1994	Sanderud	D32/18

D. 356,191	3/1995	Phelan	D32/18
D. 379,690	6/1997	Howell et al.	D32/16
D. 381,476	7/1997	Hoffman	D32/18
D. 387,516	12/1997	Murray et al.	D32/18

Primary Examiner—Ruth McInroy
Attorney, Agent, or Firm—Samuels, Gauthier, Stevens & Reppert

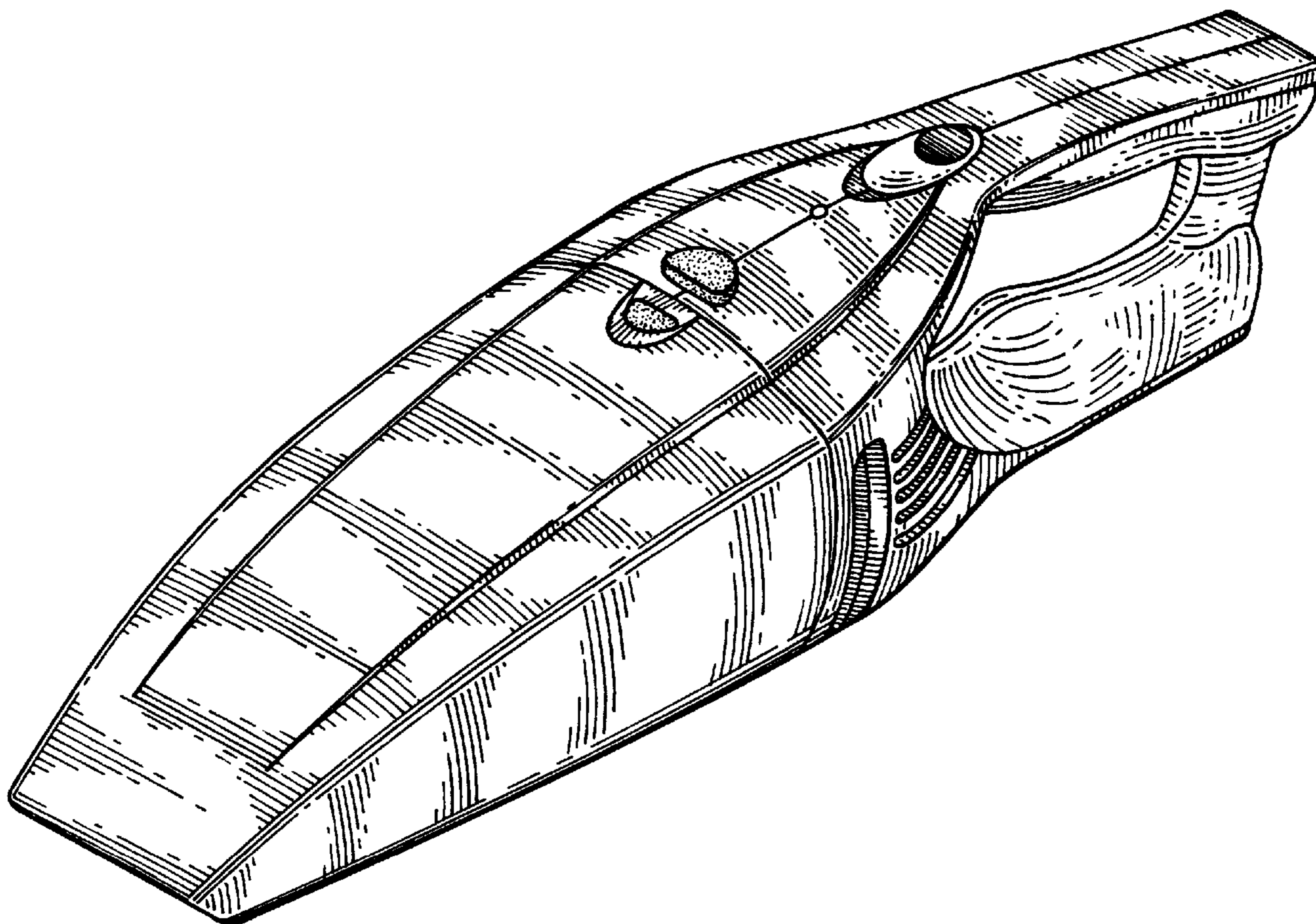
[57] **CLAIM**

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

DESCRIPTION

FIG. 1 is the front perspective view of a vacuum cleaner showing my new design;
FIG. 2 is the front view thereof;
FIG. 3 is the rear view thereof;
FIG. 4 is the left-hand view thereof;
FIG. 5 is the right-hand view thereof;
FIG. 6 is the top view thereof; and,
FIG. 7 is the bottom view thereof.

1 Claim, 3 Drawing Sheets



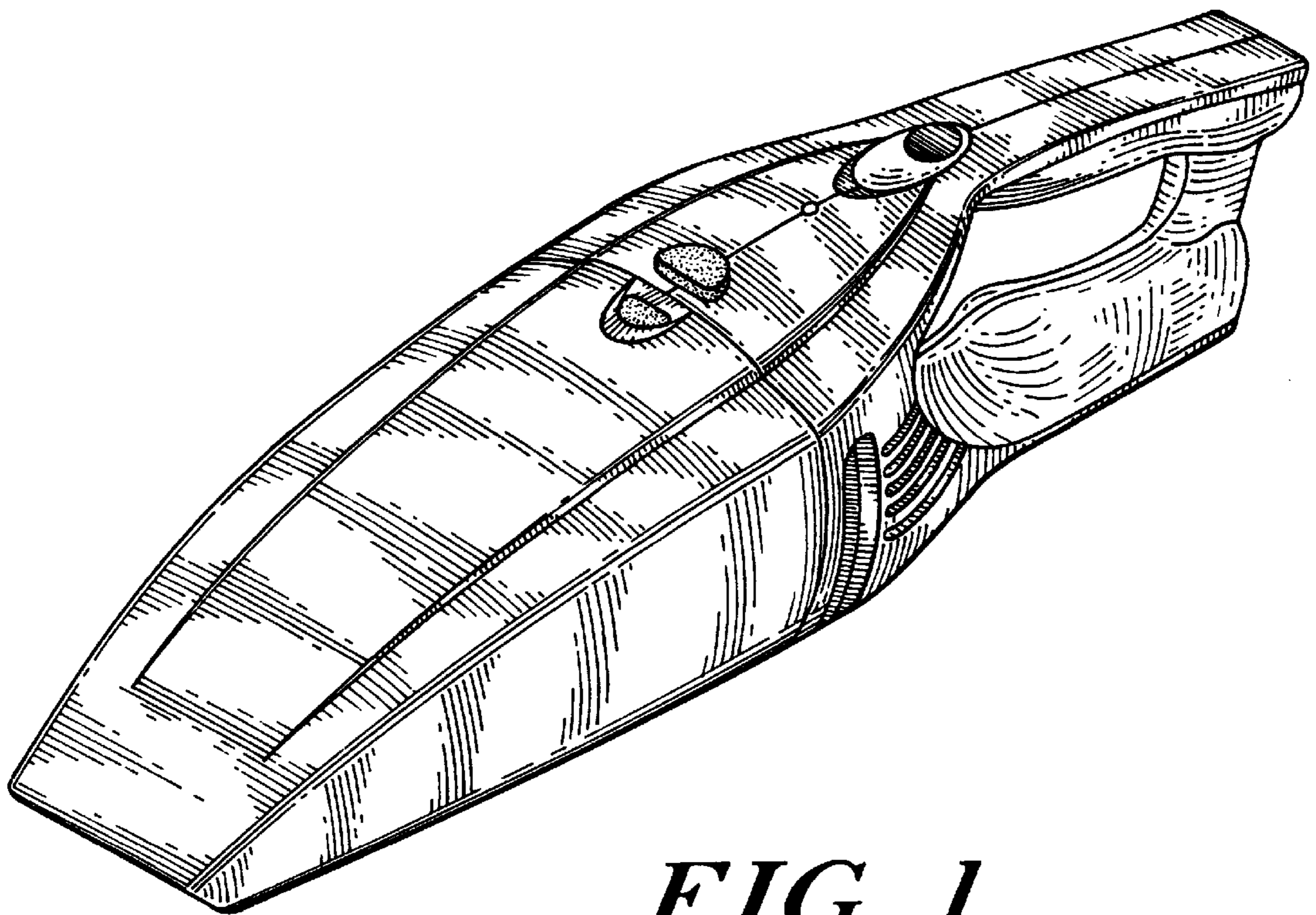


FIG. 1

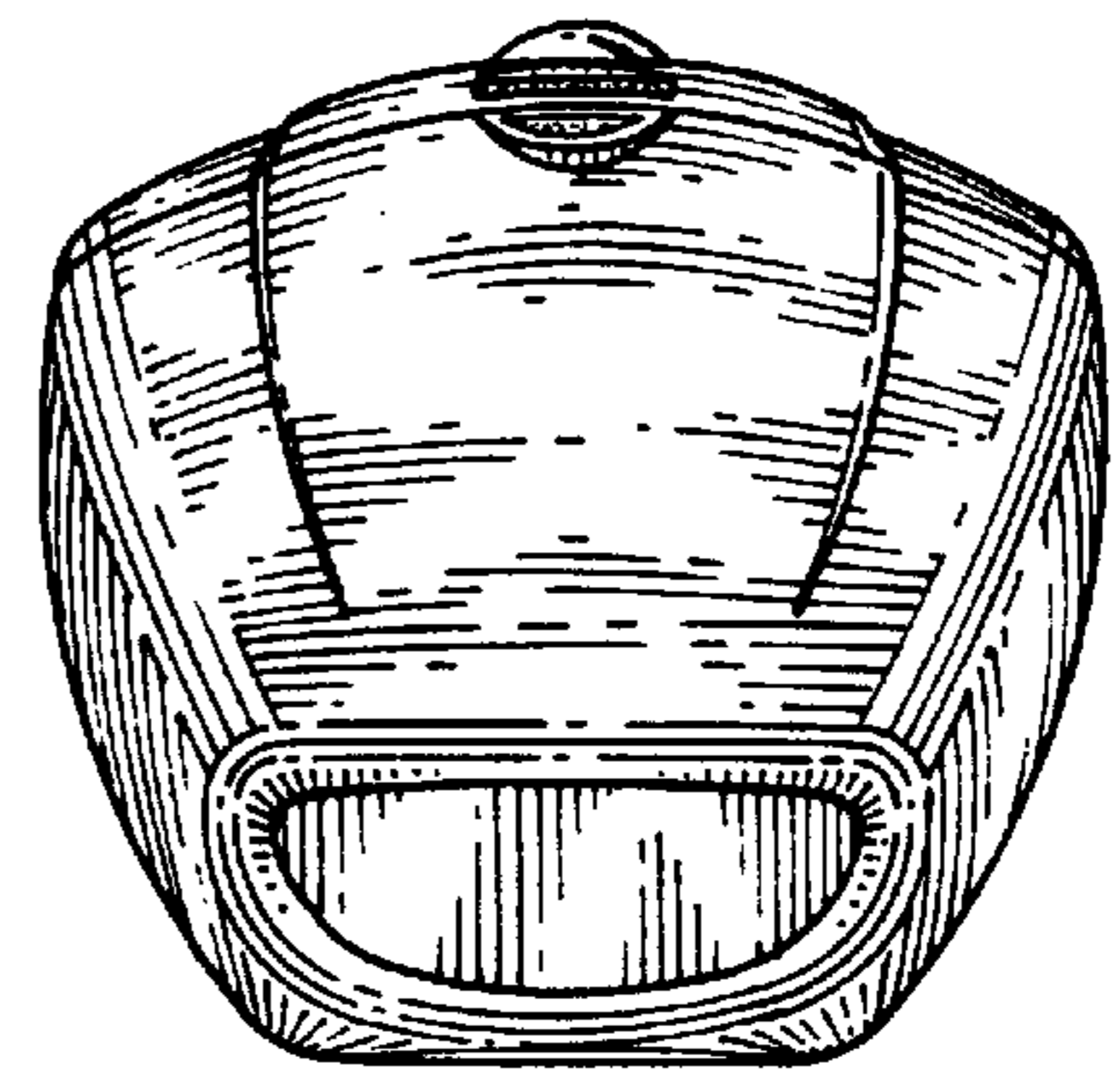


FIG. 2

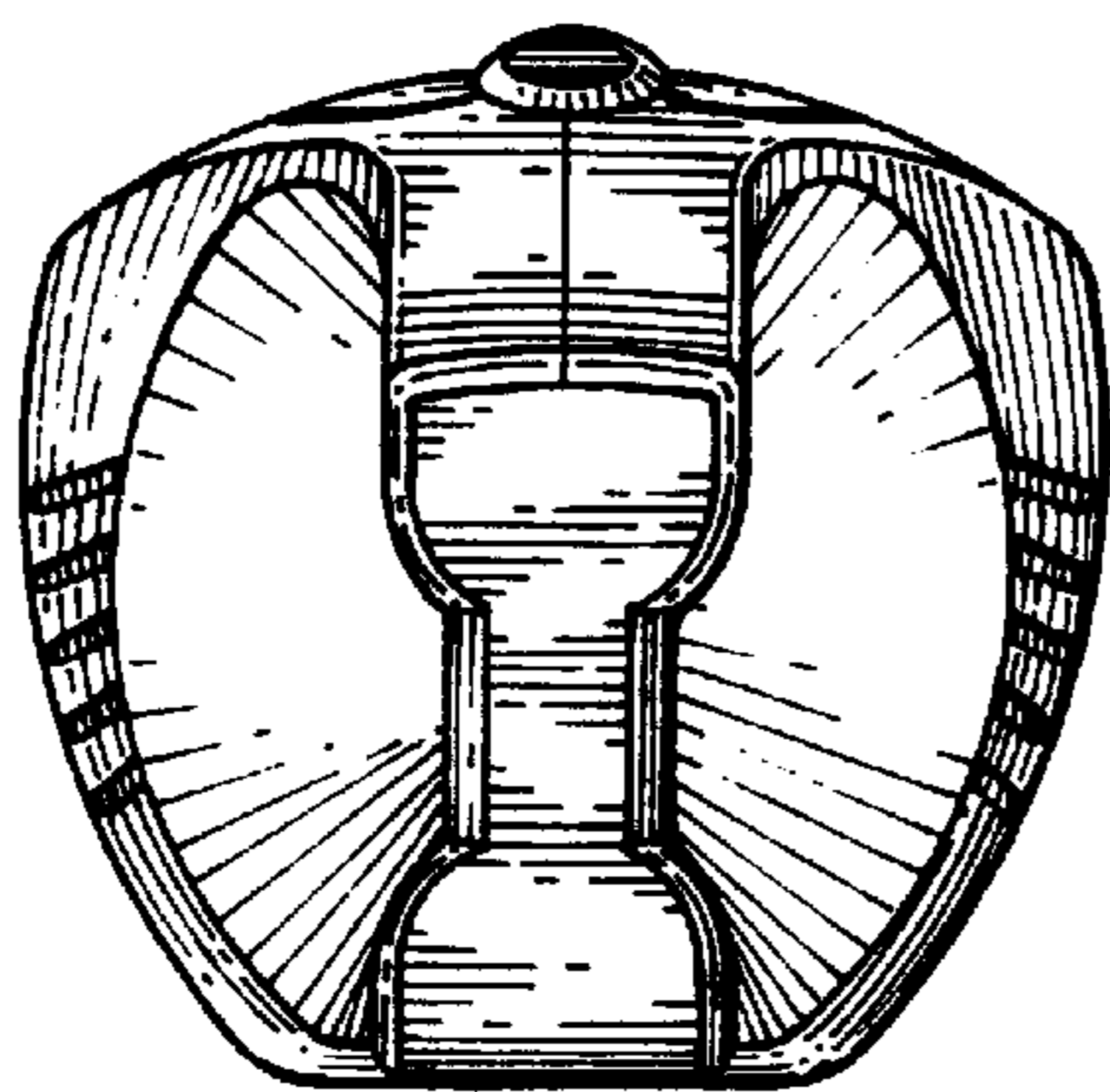


FIG. 3

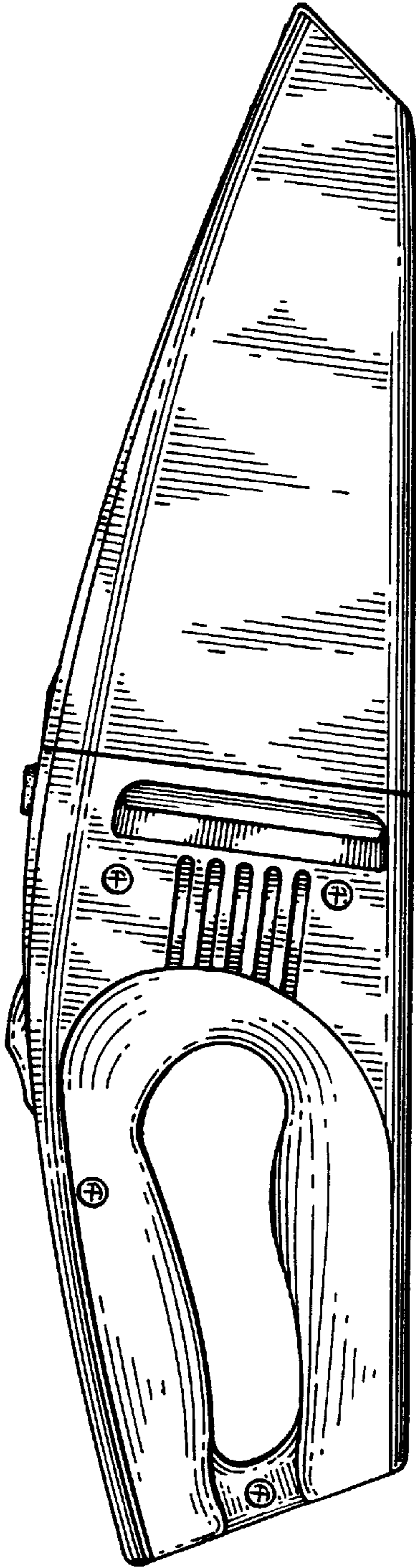


FIG. 4

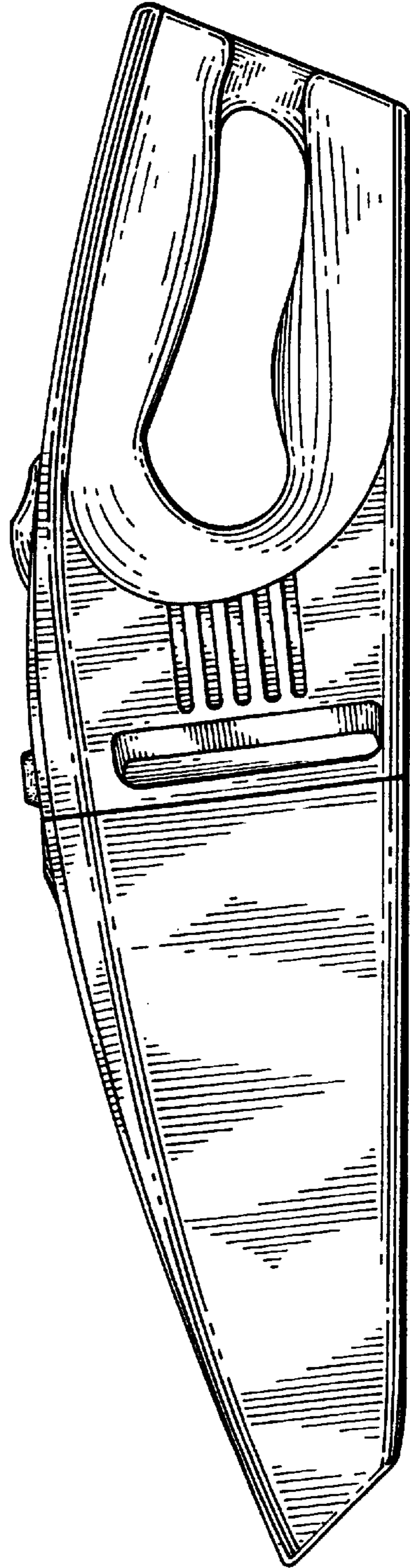


FIG. 5

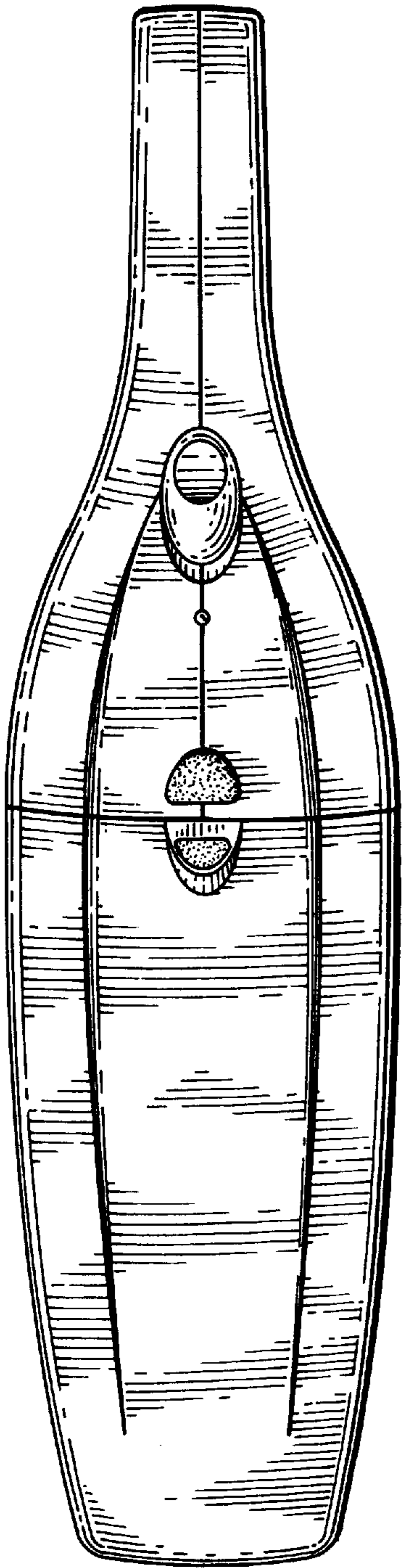


FIG. 6

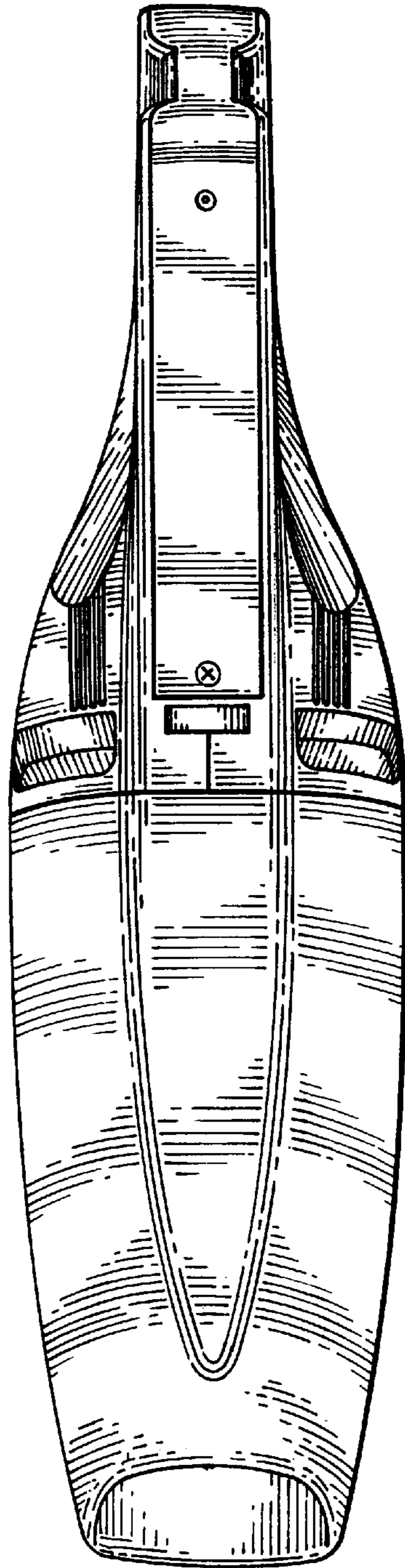


FIG. 7