

[54] VACUUM CLEANER

[75] Inventors: Masahiro Kishi, Osaka; Hiroshi Yajima, Hyogo both of Japan

[73] Assignee: Sanyo Electric Co., Ltd., Japan

[\*\*] Term: 14 Years

[21] Appl. No.: 441,680

[22] Filed: Nov. 15, 1982

[30] Foreign Application Priority Data

Nov. 30, 1981 [JP] Japan ..... 56-53185

Aug. 31, 1982 [FR] France ..... 822,954

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

[58] Field of Search ..... D32/17, 18; 15/300, 15/320-327, 330, 344, 412

[56] References Cited

U.S. PATENT DOCUMENTS

- D. 211,396 6/1968 Hori ..... D32/18
- D. 257,661 12/1980 Gantz ..... D32/18
- 3,477,087 11/1969 Robinson ..... 15/344
- 4,011,624 3/1977 Proett ..... 15/344

Primary Examiner—Wallace R. Burke  
Assistant Examiner—Lynn Wilder  
Attorney, Agent, or Firm—Darby & Darby

[57] CLAIM

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

DESCRIPTION

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

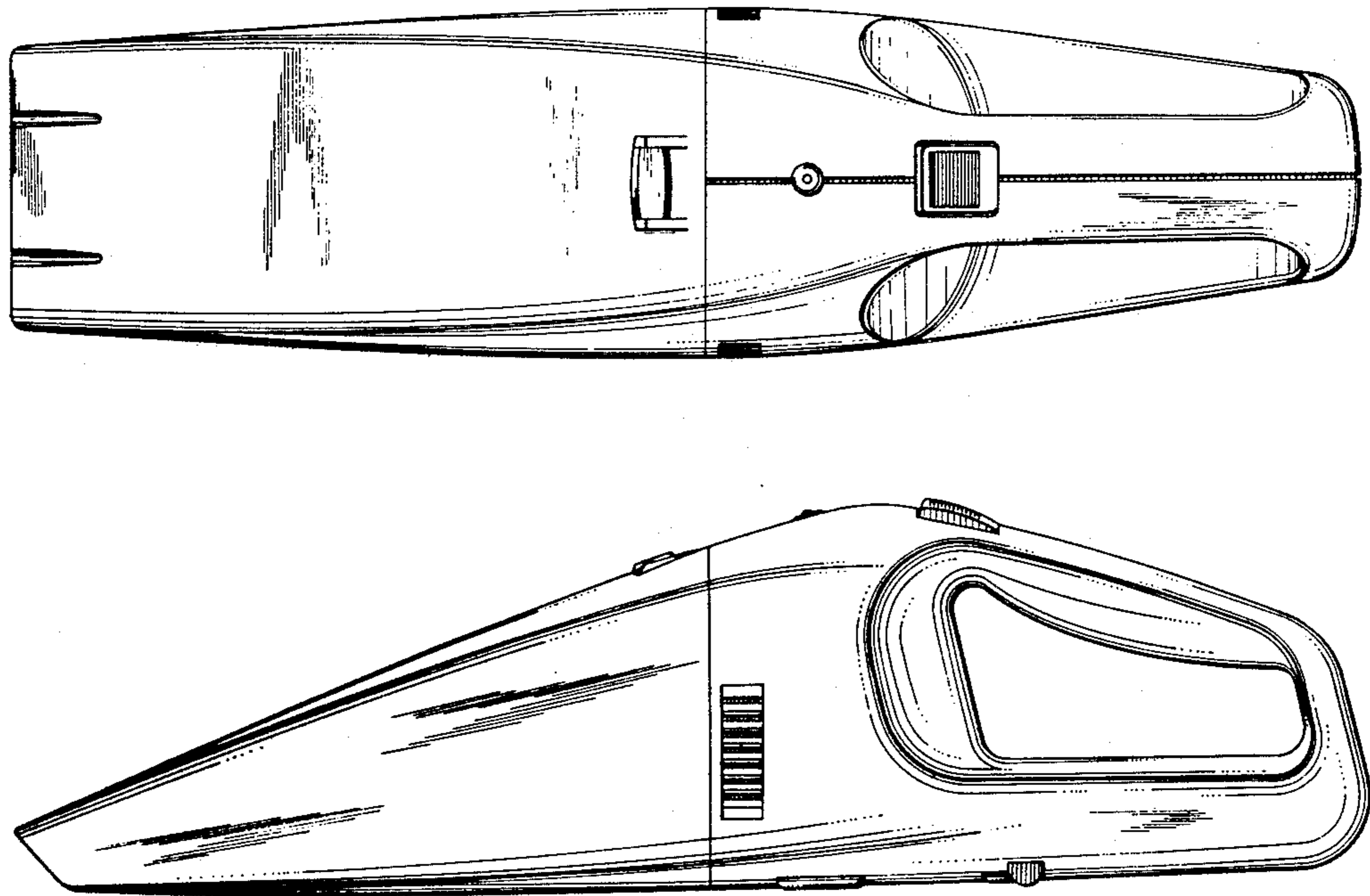


FIG. 1.

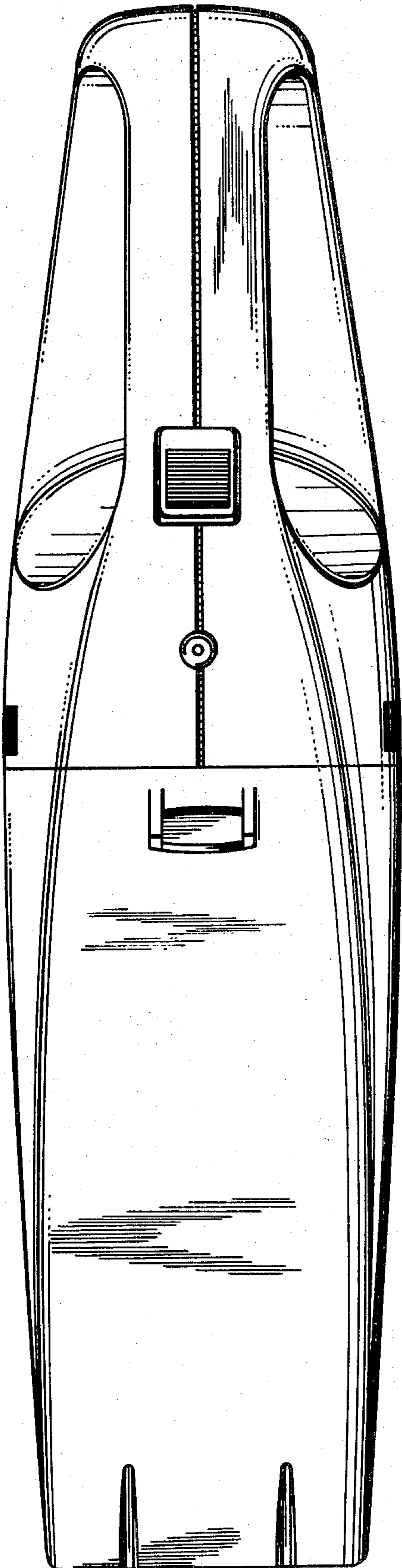


FIG. 2.

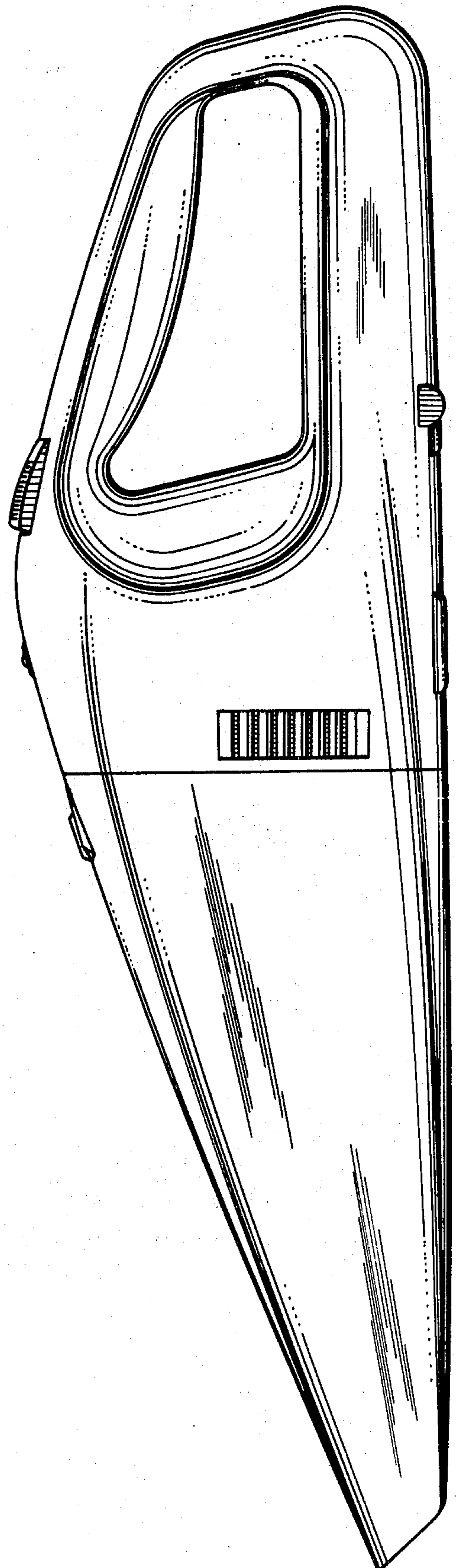


FIG. 3.

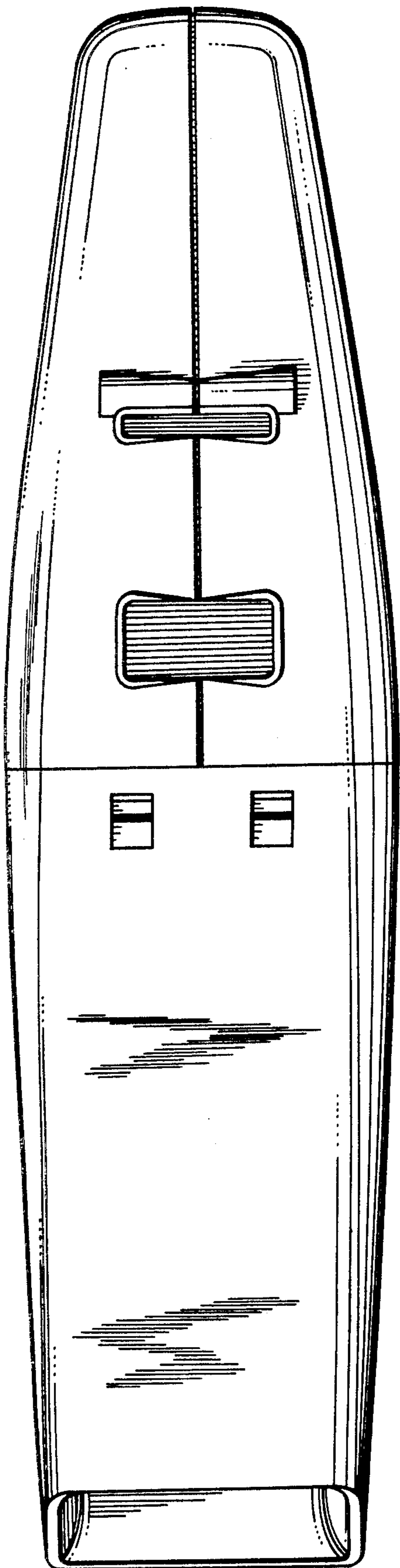


FIG. 5.

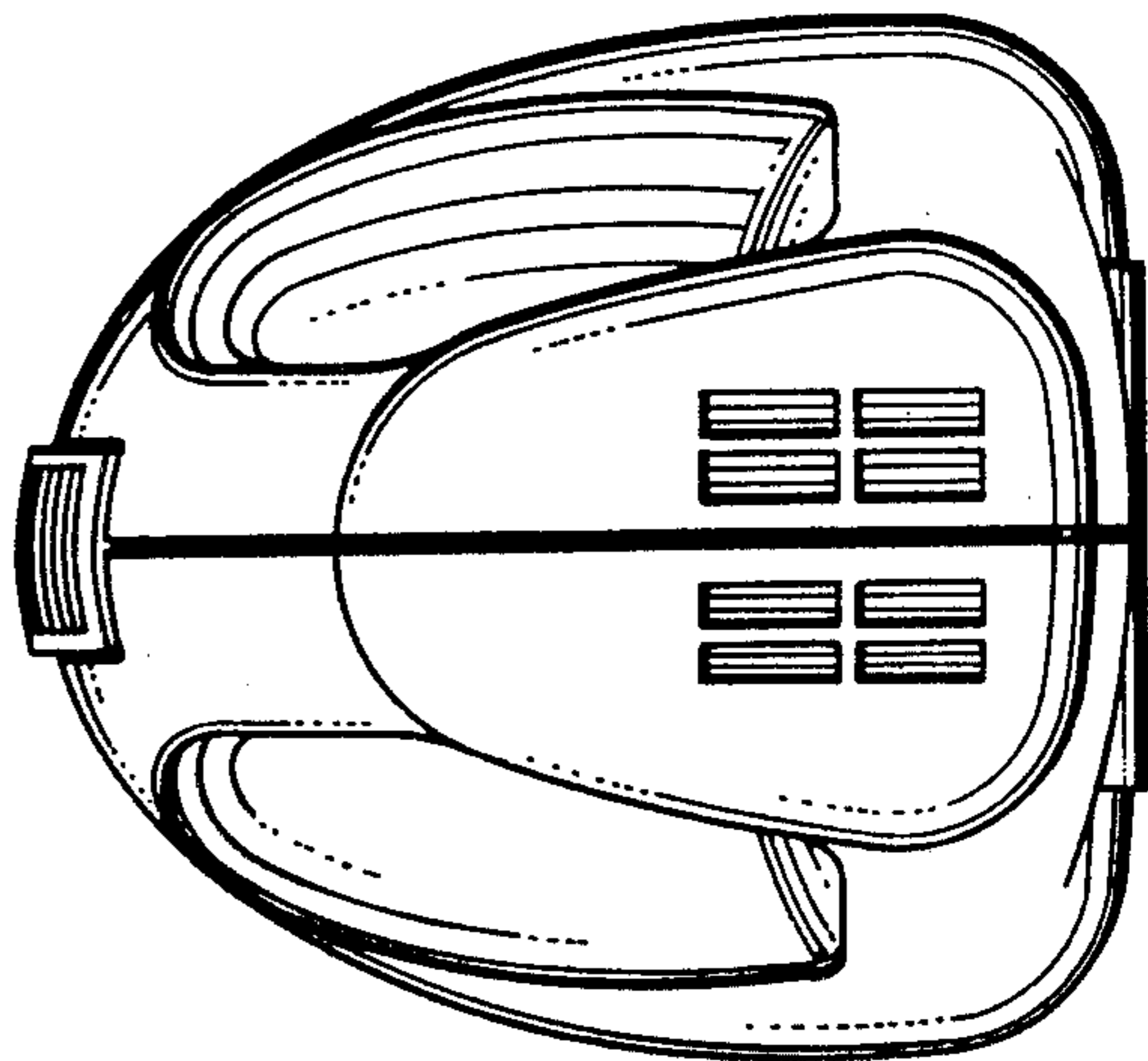


FIG. 4.

