

# United States Patent [19]

Yamamoto et al.

[11] Patent Number: **Des. 292,832**

[45] Date of Patent: **\*\* Nov. 17, 1987**

[54] **VACUUM CLEANER**

[75] Inventors: **Sachio Yamamoto; Akira Tsukada,**  
both of Osaka, Japan

[73] Assignee: **Sharp Corporation, Osaka, Japan**

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

[21] Appl. No.: **693,792**

[22] Filed: **Jan. 23, 1985**

[30] **Foreign Application Priority Data**

Jul. 23, 1984 [JP] Japan ..... 59-31119

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

[58] Field of Search ..... D32/17-18,  
D32/21, 31-34; 15/300,00 A, 319-322, 324,  
329, 344

[56] **References Cited**

### U.S. PATENT DOCUMENTS

D. 257,661 12/1980 Gantz ..... D32/18

D. 279,513 7/1985 Rinaldi et al. .... D32/18

D. 280,453 9/1985 Tsuji ..... D32/18

D. 284,797 7/1986 Fujii et al. .... D32/18

D. 287,419 12/1986 Ling ..... D32/18

*Primary Examiner*—Wallace R. Burke

*Assistant Examiner*—Ruth Takemoto

*Attorney, Agent, or Firm*—Flehr, Hohbach, Test,  
Albritton & Herbert

[57] **CLAIM**

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

### DESCRIPTION

FIG. 1 is a front elevational view of the vacuum cleaner showing our new design;

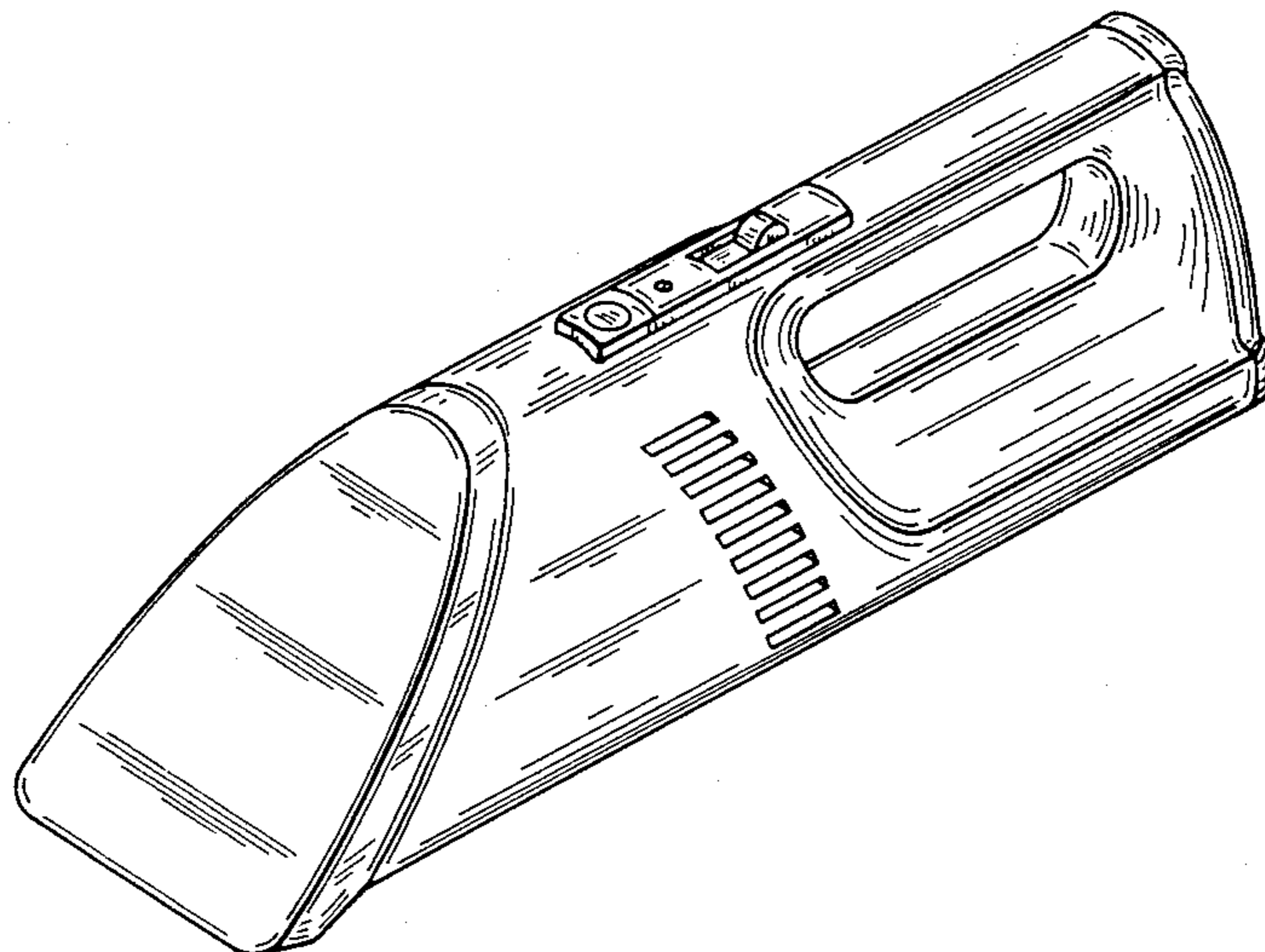
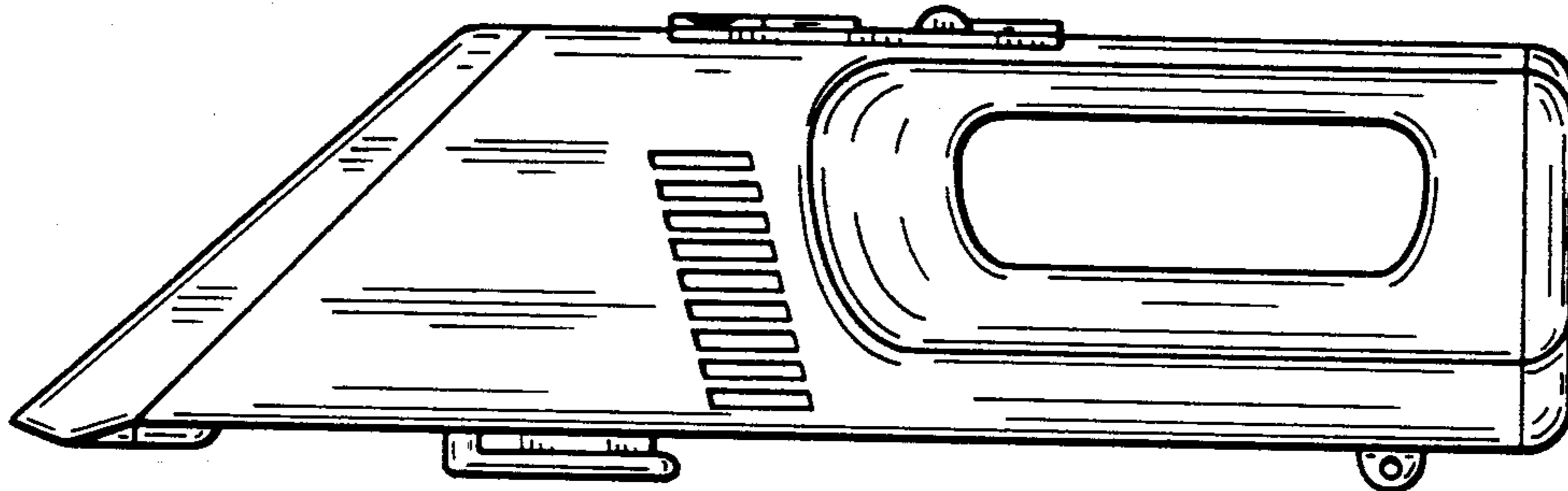
FIG. 2 is a rear elevational view thereof;

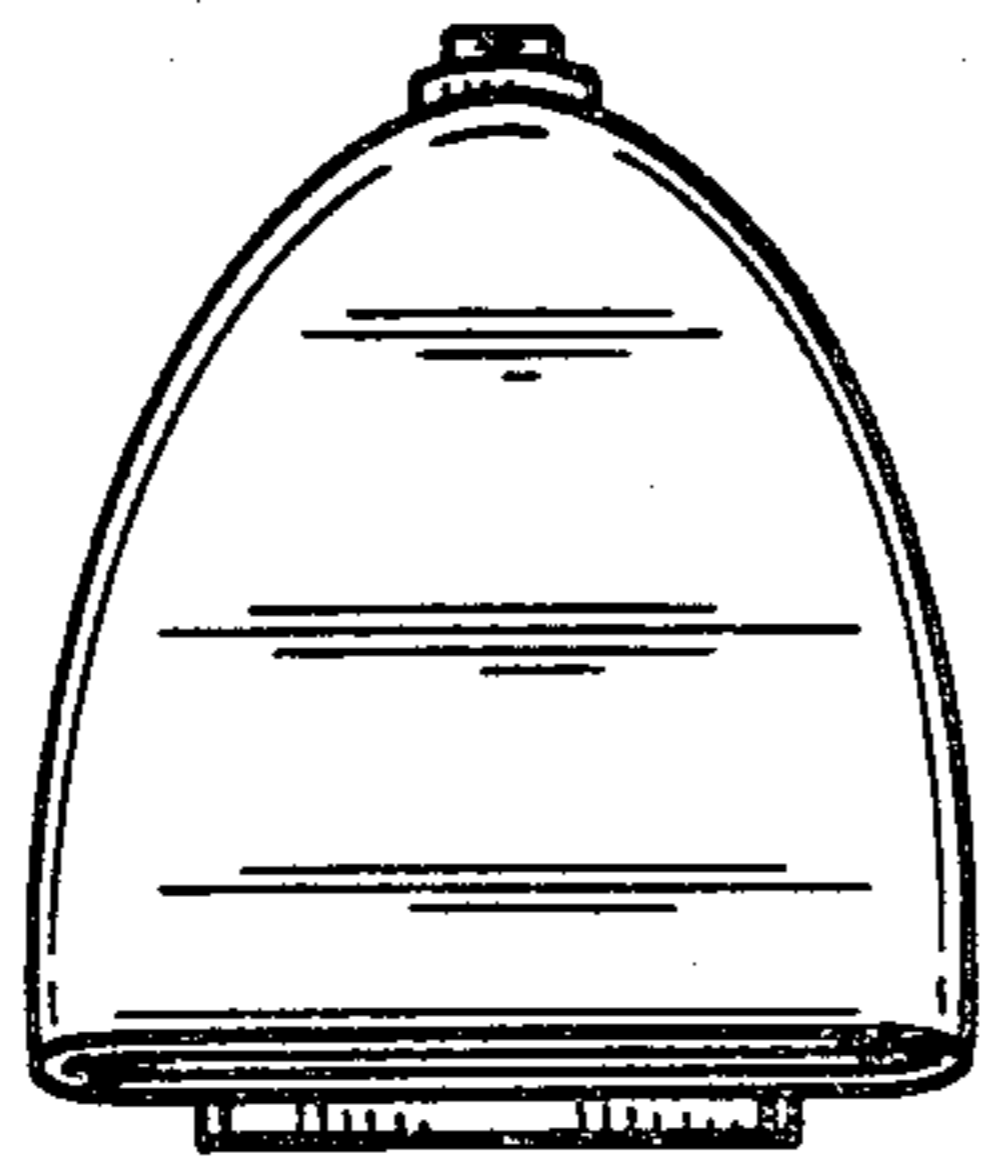
FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

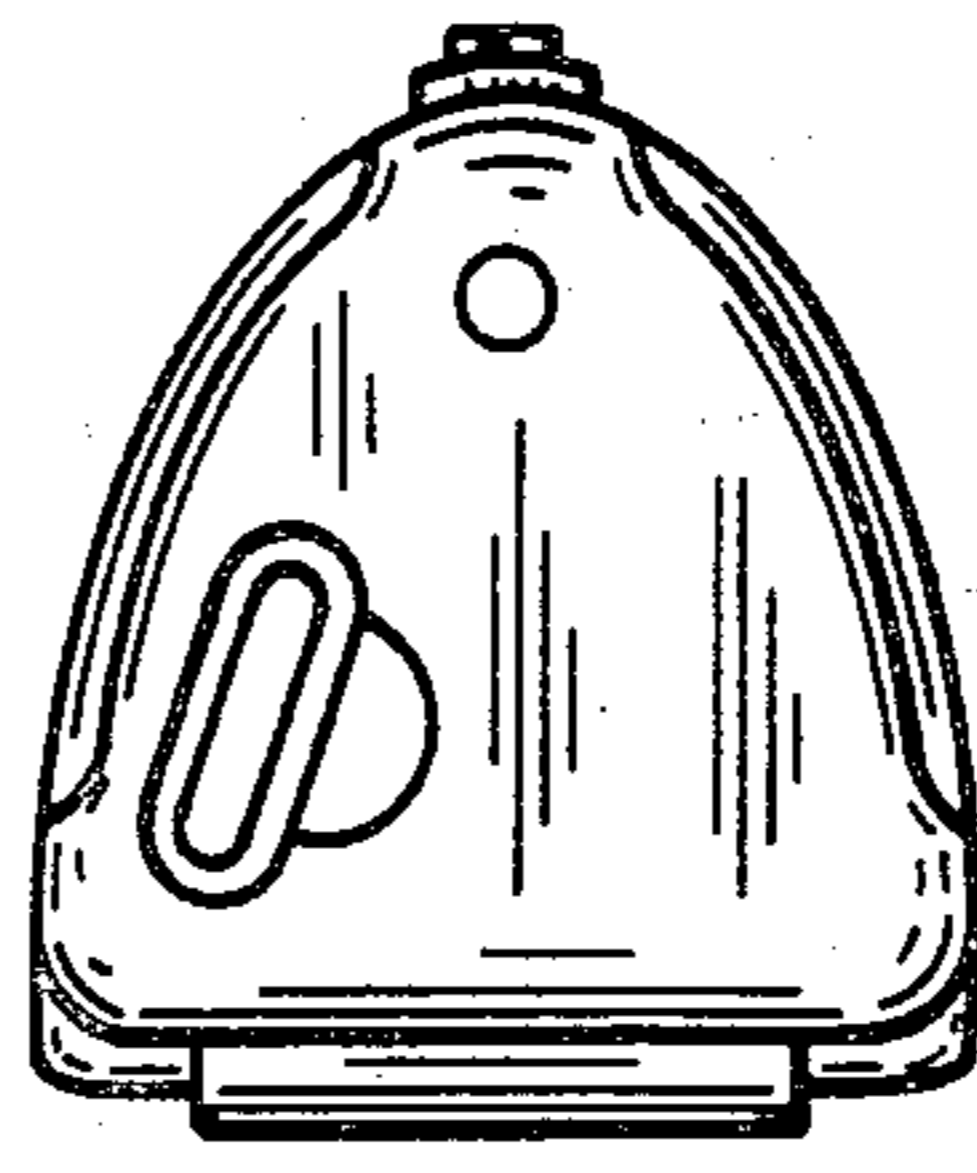
FIG. 5 is a right side elevational view thereof, the left side elevational view being a mirror image thereof; and

FIG. 6 is a top, front and right side perspective view thereof.

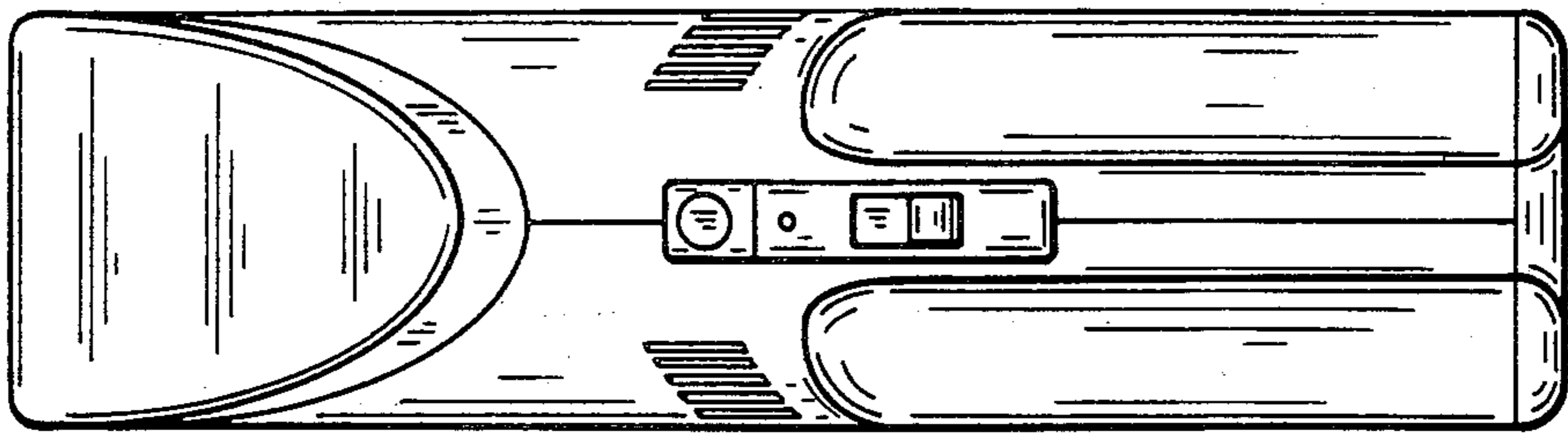




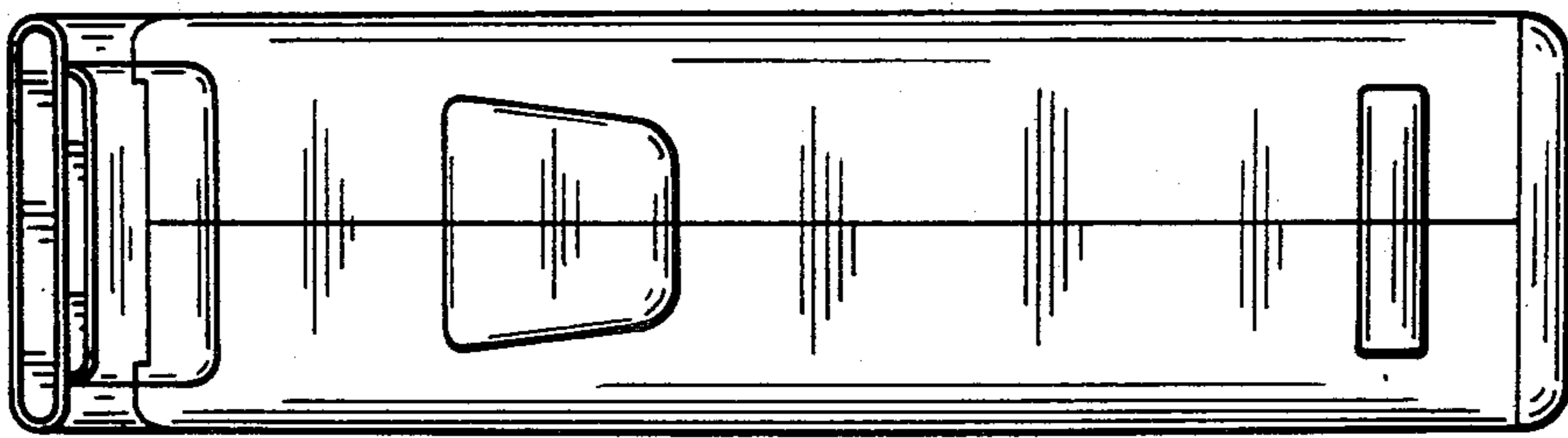
**FIG\_1**



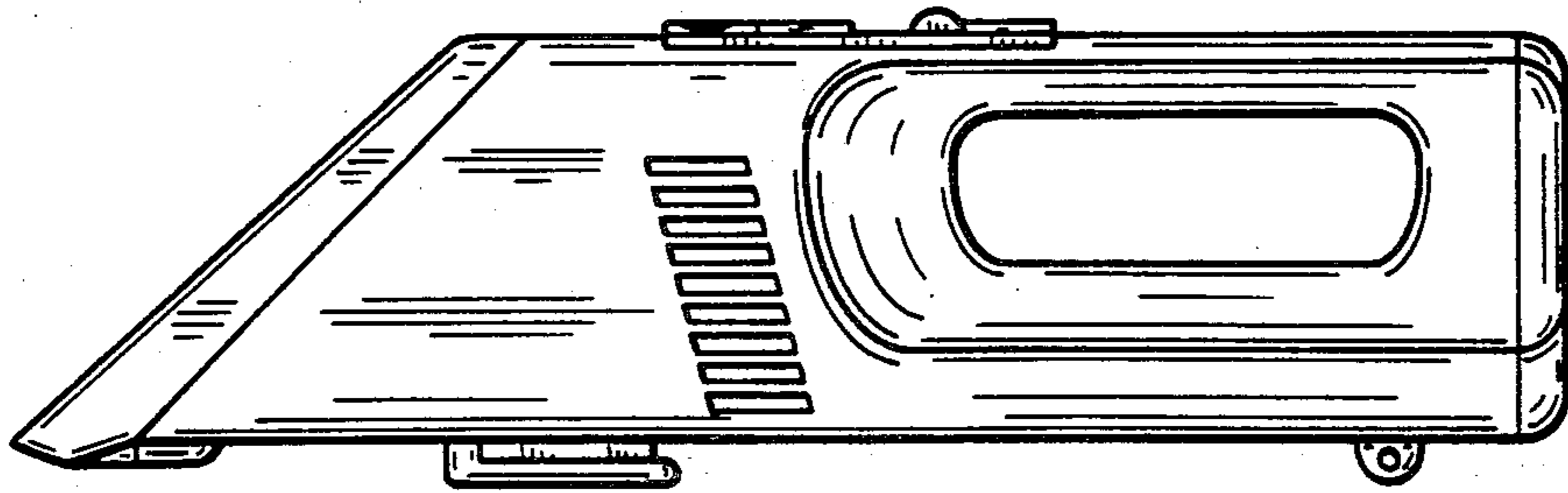
**FIG\_2**



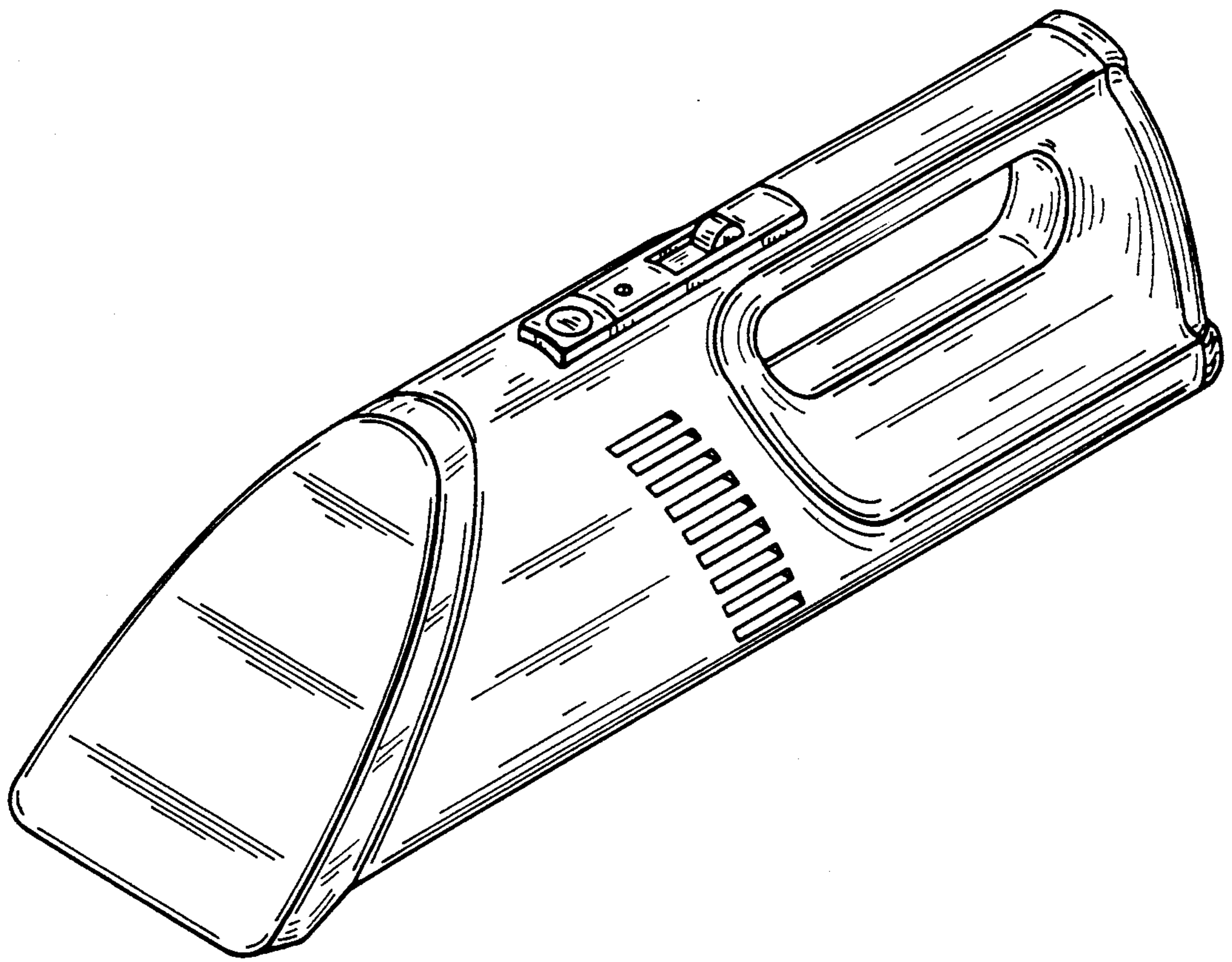
**FIG\_3**



**FIG\_4**



**FIG\_5**



**FIG\_6**