



US00D388563S

# United States Patent [19] Lui

[11] Patent Number: **Des. 388,563**  
[45] Date of Patent: **\*\*Dec. 30, 1997**

[54] **VACUUM CLEANER**  
[75] Inventor: **Tat Nin Lui, Chai Wan, Hong Kong**  
[73] Assignee: **Choon Nang Electricl Appliance Mfty., Ltd., Aberdeen, Hong Kong**  
[\*\*] Term: **14 Years**

D. 293,949 1/1988 Arita ..... D32/18  
D. 298,875 12/1988 Nakamura ..... D32/18  
D. 301,645 6/1989 Nishikawa ..... D32/18

*Primary Examiner*—Ruth McInroy  
*Attorney, Agent, or Firm*—Leydig, Voit & Mayer, Ltd

[21] Appl. No.: **19,673**  
[22] Filed: **Mar. 8, 1994**

[57] **CLAIM**  
The ornamental design for a vacuum cleaner, as shown and described.

[51] **LOC (6) Cl.** ..... **15-05**  
[52] **U.S. Cl.** ..... **D32/18**  
[58] **Field of Search** ..... **D32/17-18; 15/344, 15/329**

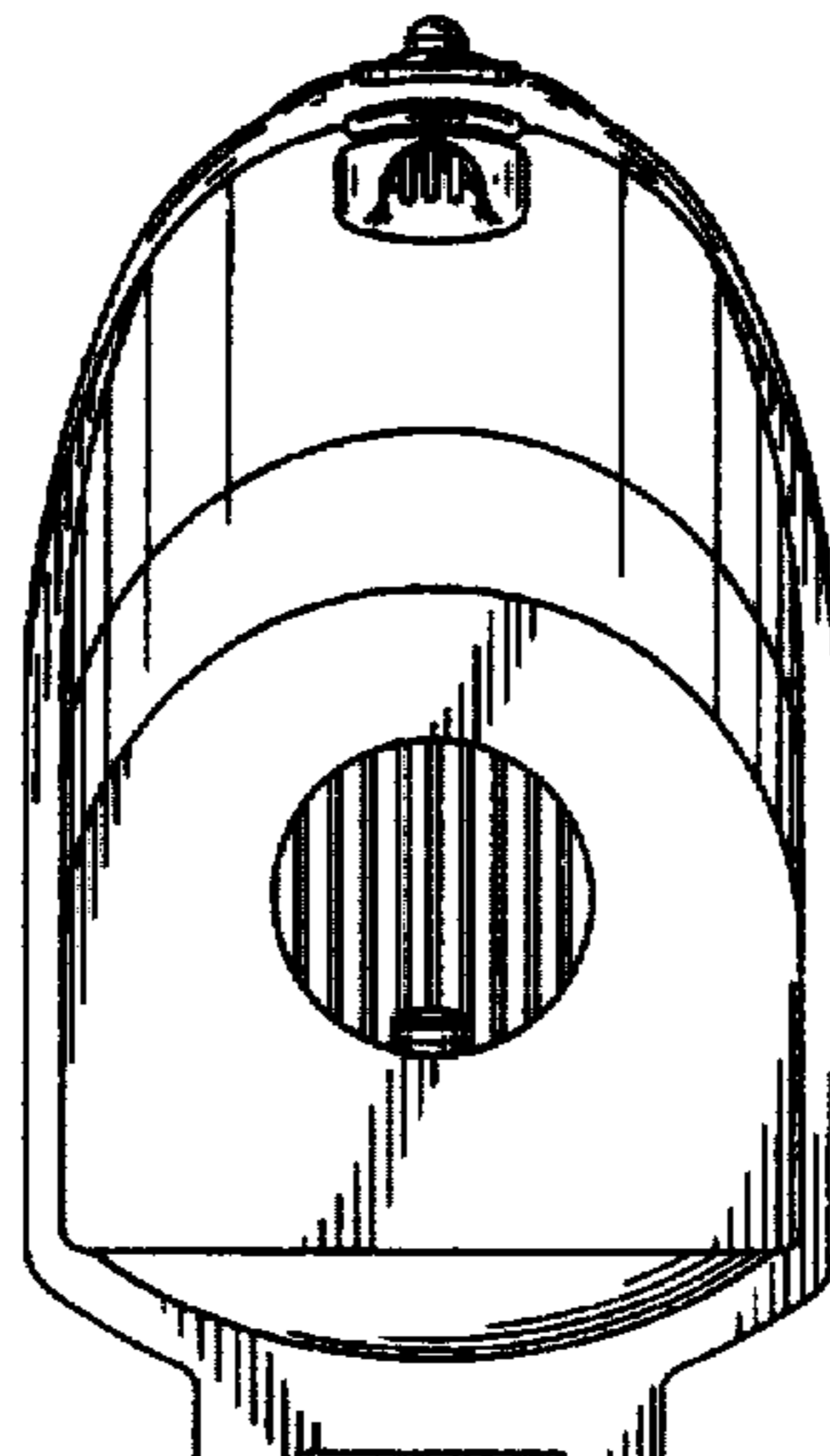
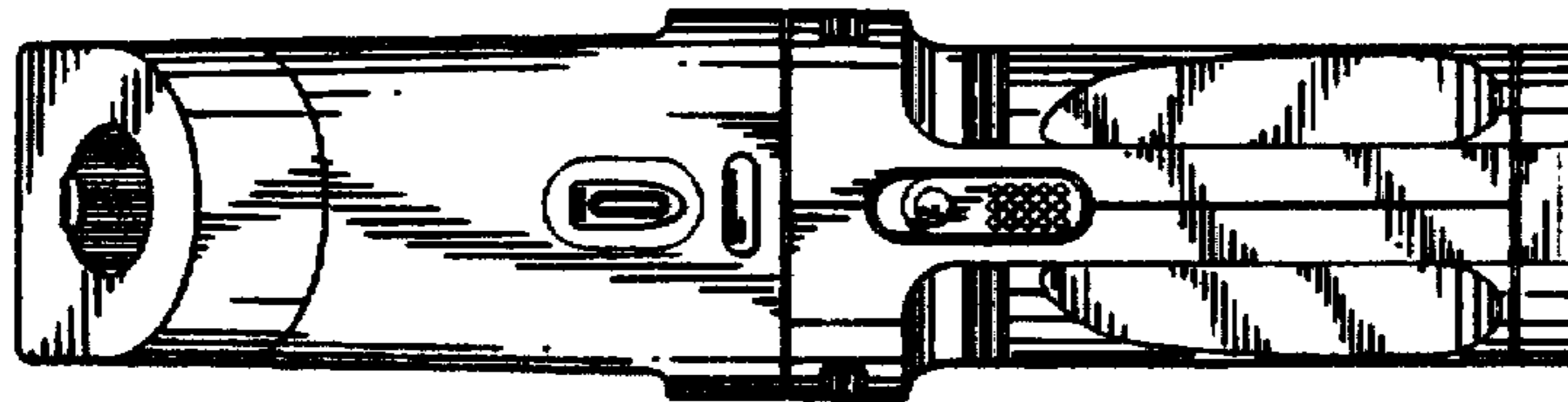
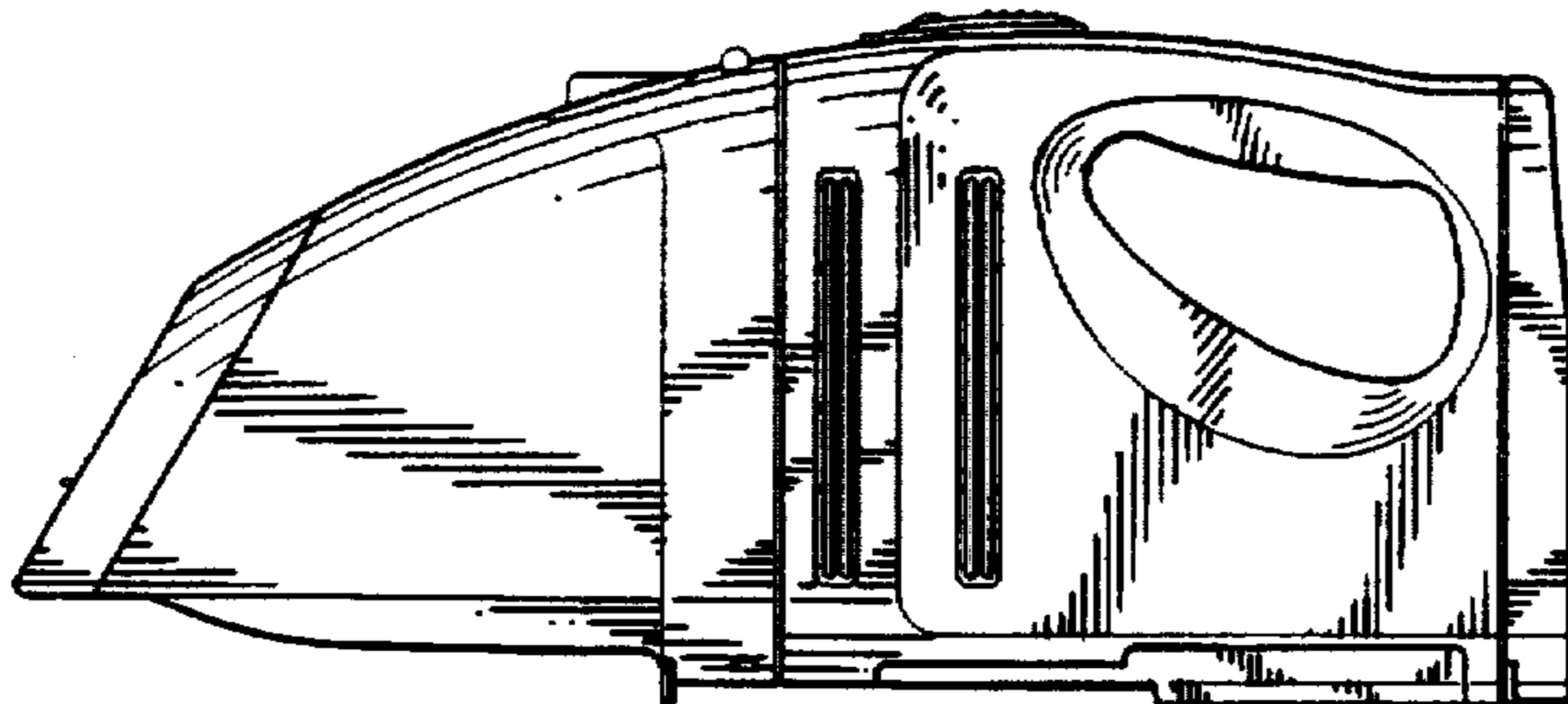
### DESCRIPTION

FIG. 1 is a side elevational view of a vacuum cleaner showing my new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a front end elevational view thereof;  
FIG. 5 is a rear end elevational view thereof; and,  
FIG. 6 is a side elevational view of the opposite side of FIG. 1.

### [56] **References Cited** **U.S. PATENT DOCUMENTS**

D. 280,452 9/1985 Arita ..... D32/18  
D. 289,576 4/1987 Okada et al. .... D32/18

**1 Claim, 3 Drawing Sheets**



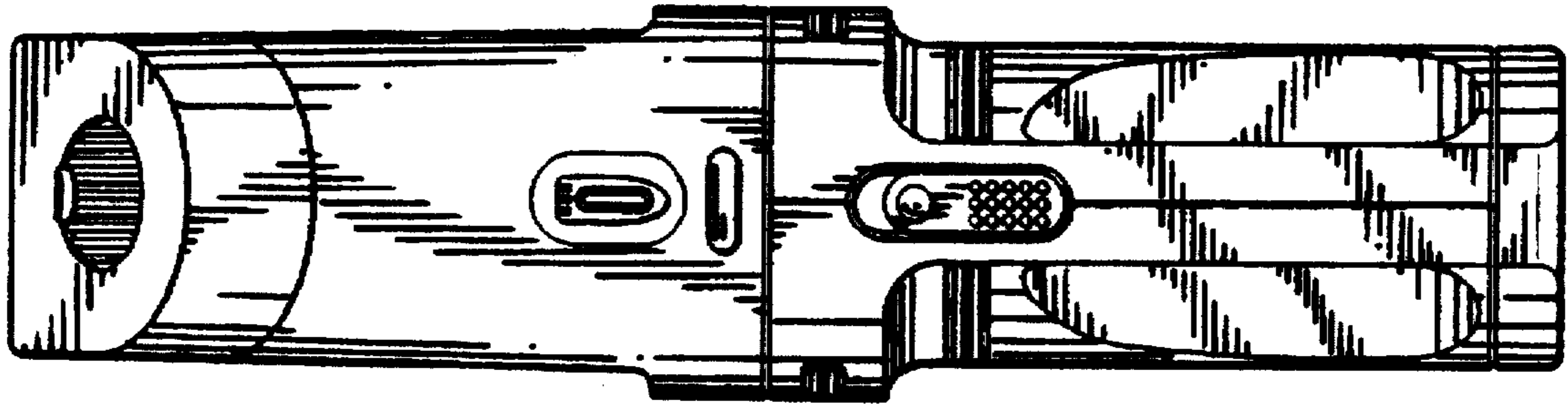


Fig. 2

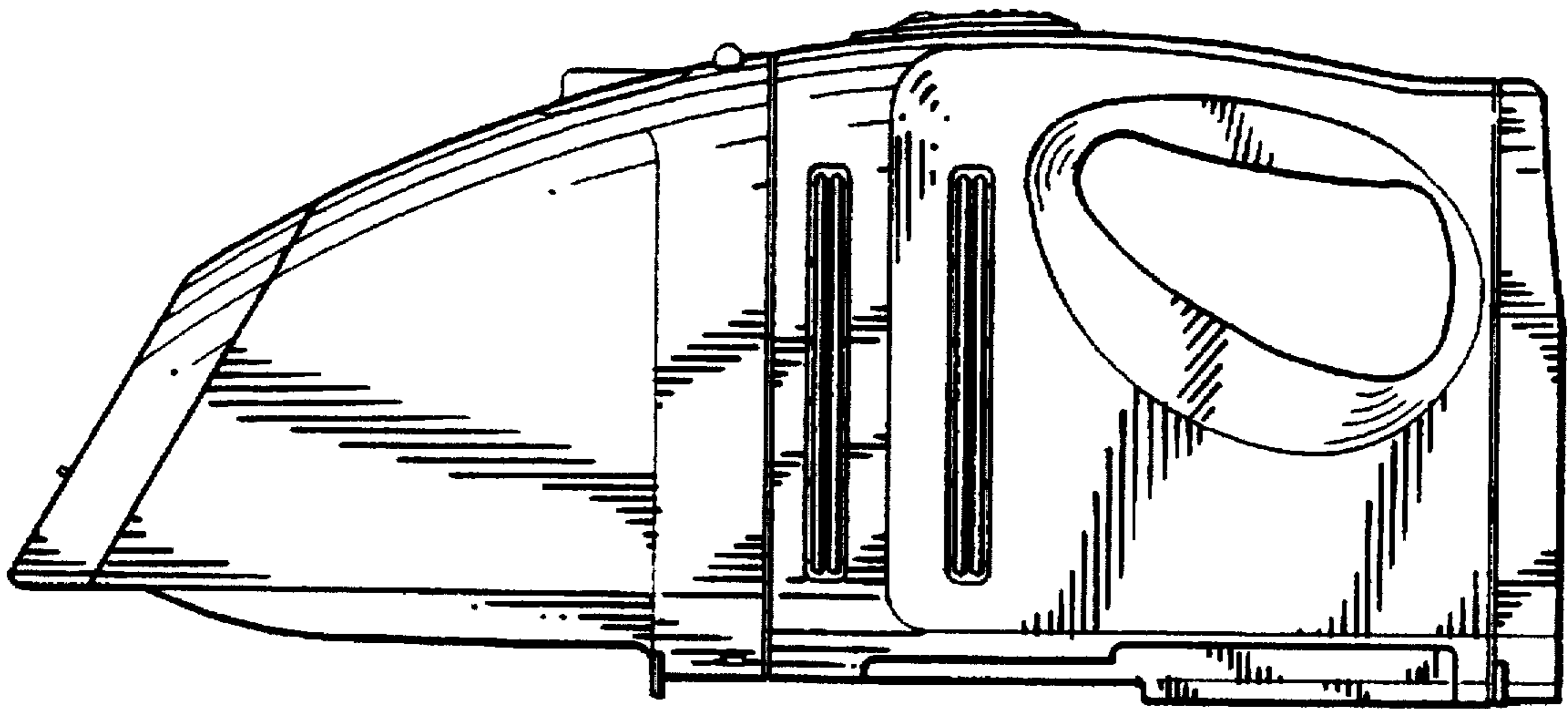


Fig. 1

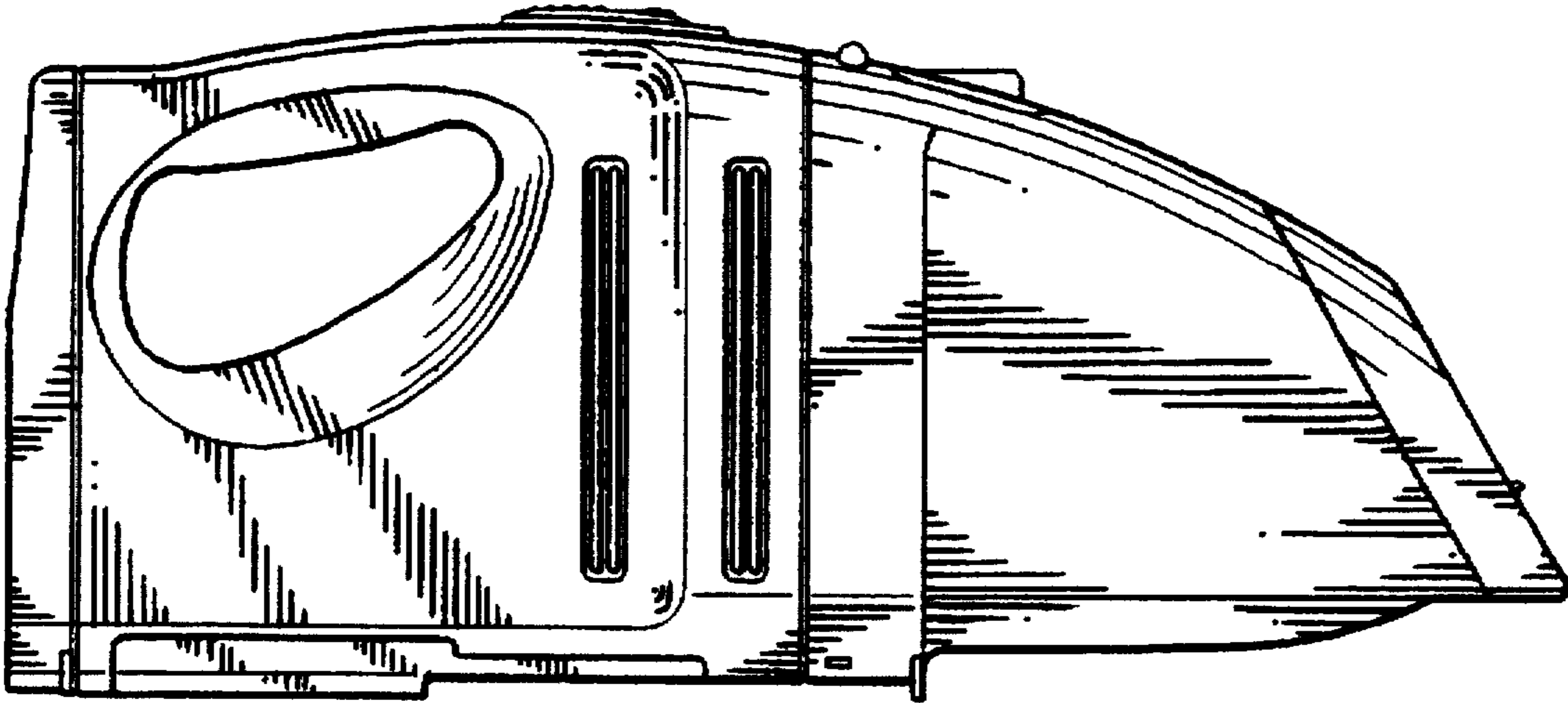


Fig. 6

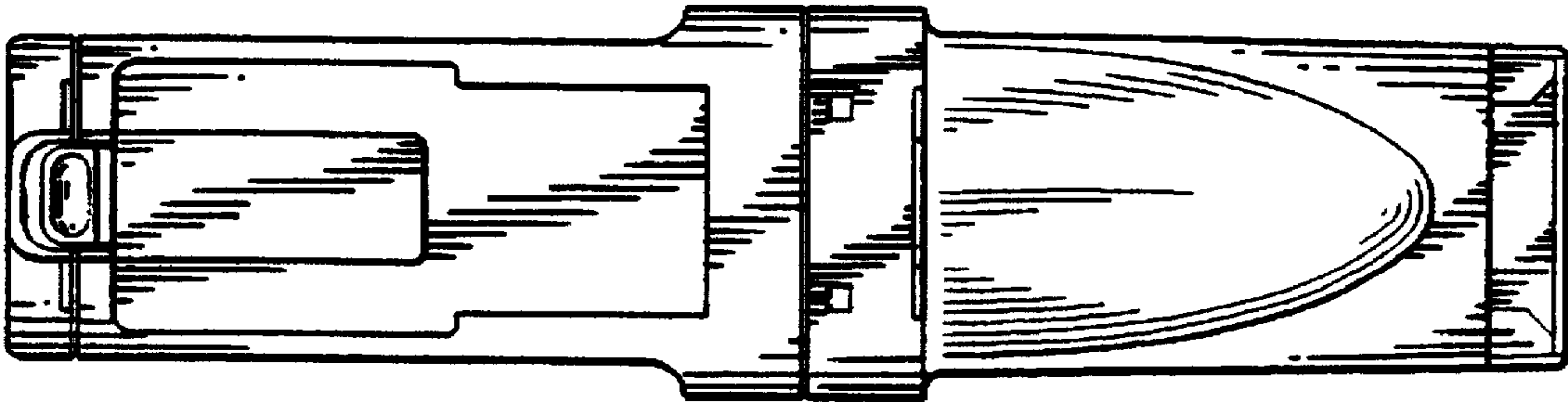


Fig. 3

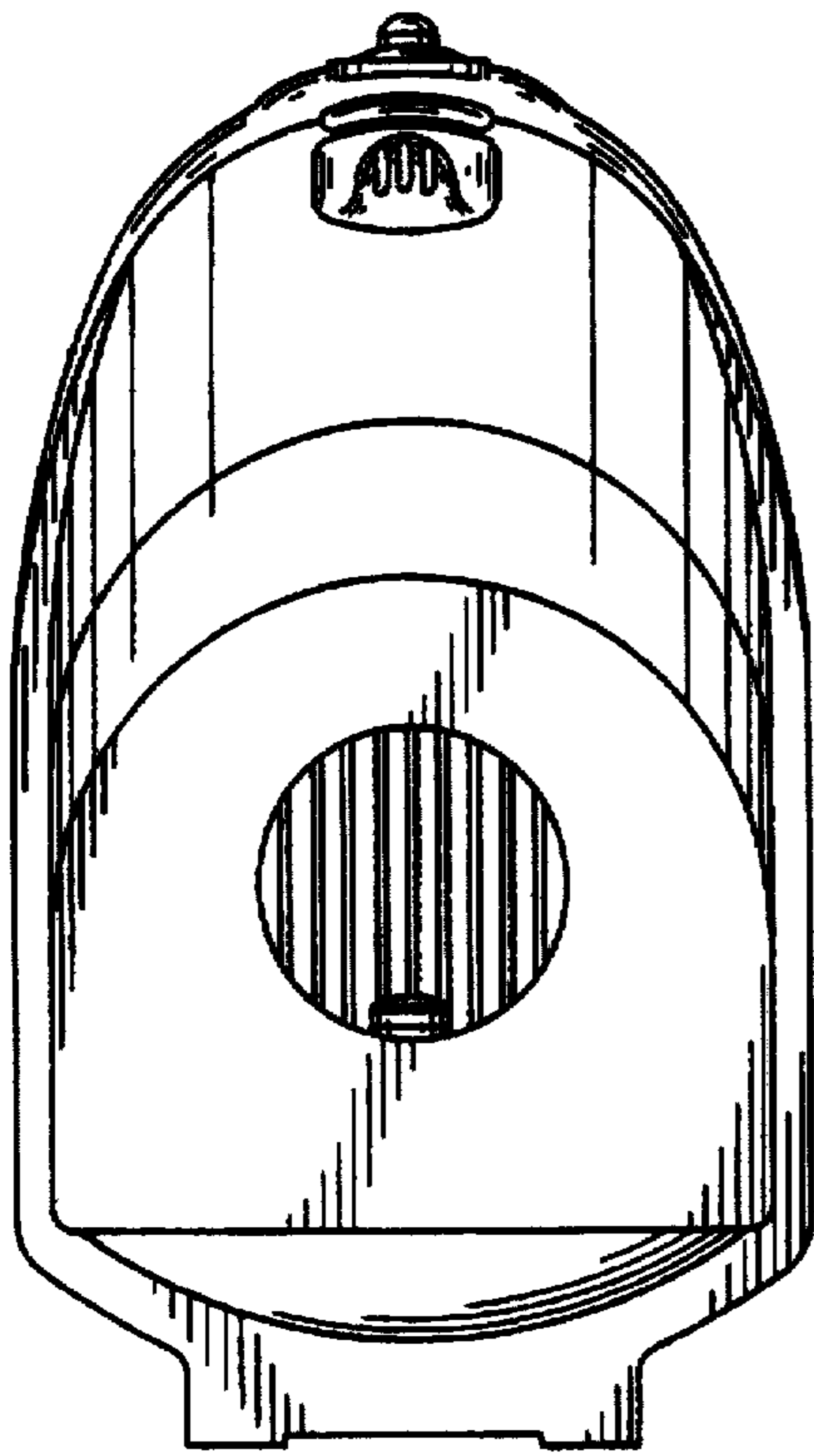


FIG. 4

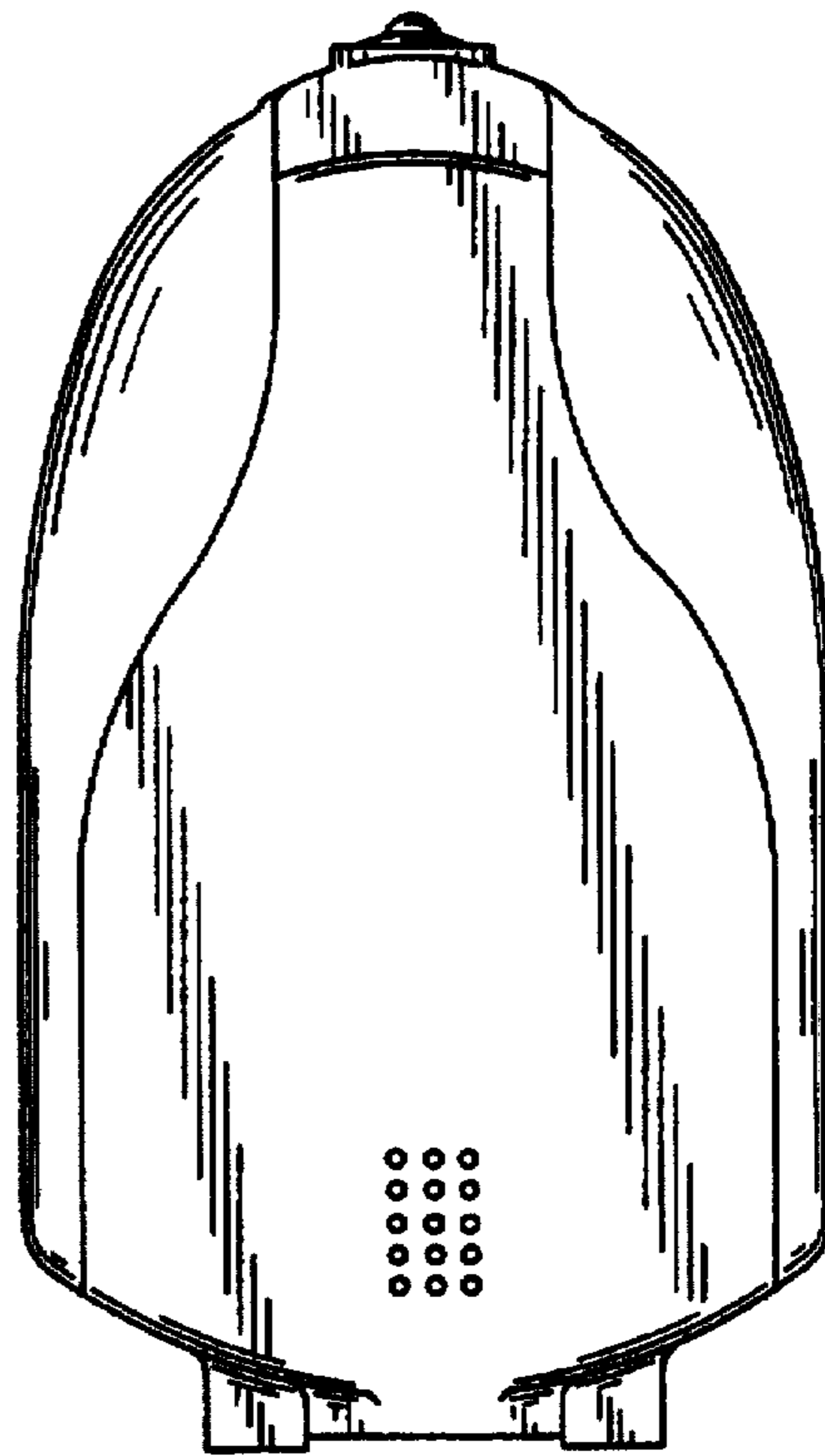


FIG. 5

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : Des. 388,563  
DATED : December 30, 1997  
INVENTOR(S) : Lui

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Item 73, Assignee, change "Electricl" to --Electrical--.

Signed and Sealed this  
Eleventh Day of August 1998



*Attest:*

**BRUCE LEHMAN**

*Attesting Officer*

*Commissioner of Patents and Trademarks*