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(12) **United States Design Patent** (10) **Patent No.:** **US D494,328 S**
Otsuka et al. (45) **Date of Patent:** **** Aug. 10, 2004**

(54) **ELECTRONIC VACUUM CLEANER**

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(**) Term: **14 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (7) Cl.** **15-05**

(52) **U.S. Cl.** **D32/21**

(58) **Field of Search** D32/21-22, 31-33;
15/350, 352-355, 321-322, 346-347, 412,
400, 327.1-327.7, 410, 414, 373, 381, 383,
415.1-422.1, 366

(56) **References Cited**

U.S. PATENT DOCUMENTS

D394,528 S	*	5/1998	Pochopien et al.	.....	D32/21
D398,093 S	*	9/1998	Fujima	.....	D32/21
D403,475 S	*	12/1998	Mehaffey et al.	.....	D32/21
D416,362 S	*	11/1999	Lin	.....	D32/21
D417,323 S	*	11/1999	Fujita et al.	.....	D32/21
D446,363 S	*	8/2001	Sato et al.	.....	D32/21

FOREIGN PATENT DOCUMENTS

CN	3181043D	3/2001
DE	M98 05 248	4/1999
DE	499 01 892-3	9/1999
JP	886311	12/1993
JP	1119646	8/2001

OTHER PUBLICATIONS

Miele, S558 and S658 Deluxe Canisters, dated prior to Mar. 19, 2003.

* cited by examiner

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a top, front and left side perspective view of an electronic vacuum cleaner showing our new design, FIG. 2 is a front elevational view, a rear elevational view being a mirror image thereof, FIG. 3 is a left side elevational view thereof, FIG. 4 is a right side elevational view thereof, FIG. 5 is a top plan view thereof; and, FIG. 6 is a bottom plan view thereof.

1 Claim, 3 Drawing Sheets

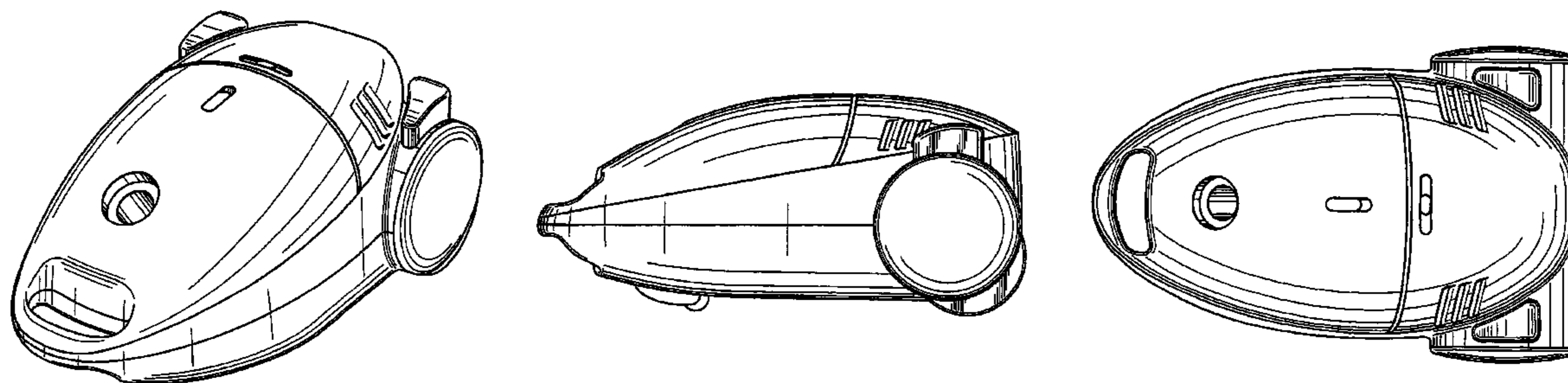


FIG. 1

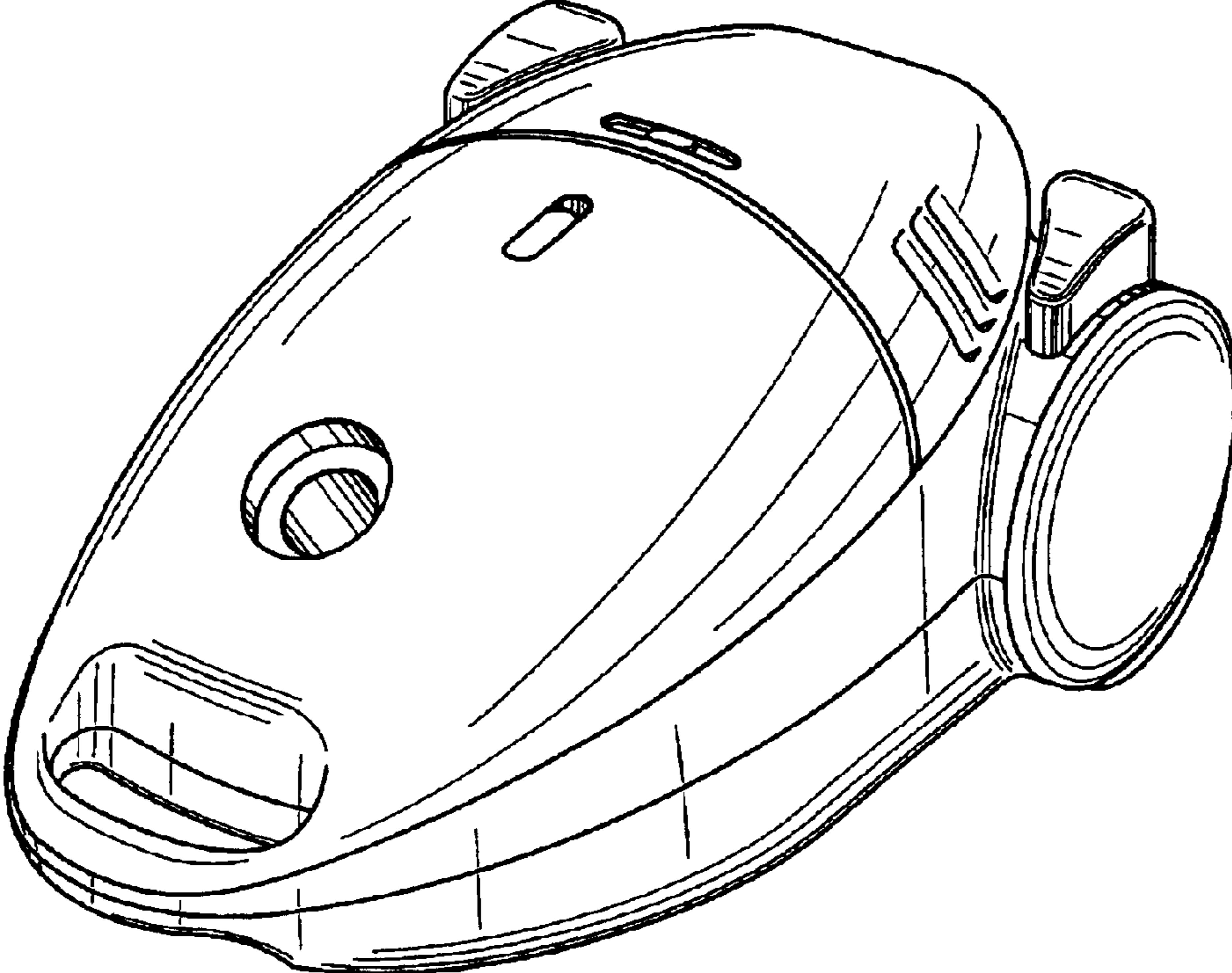


FIG. 2

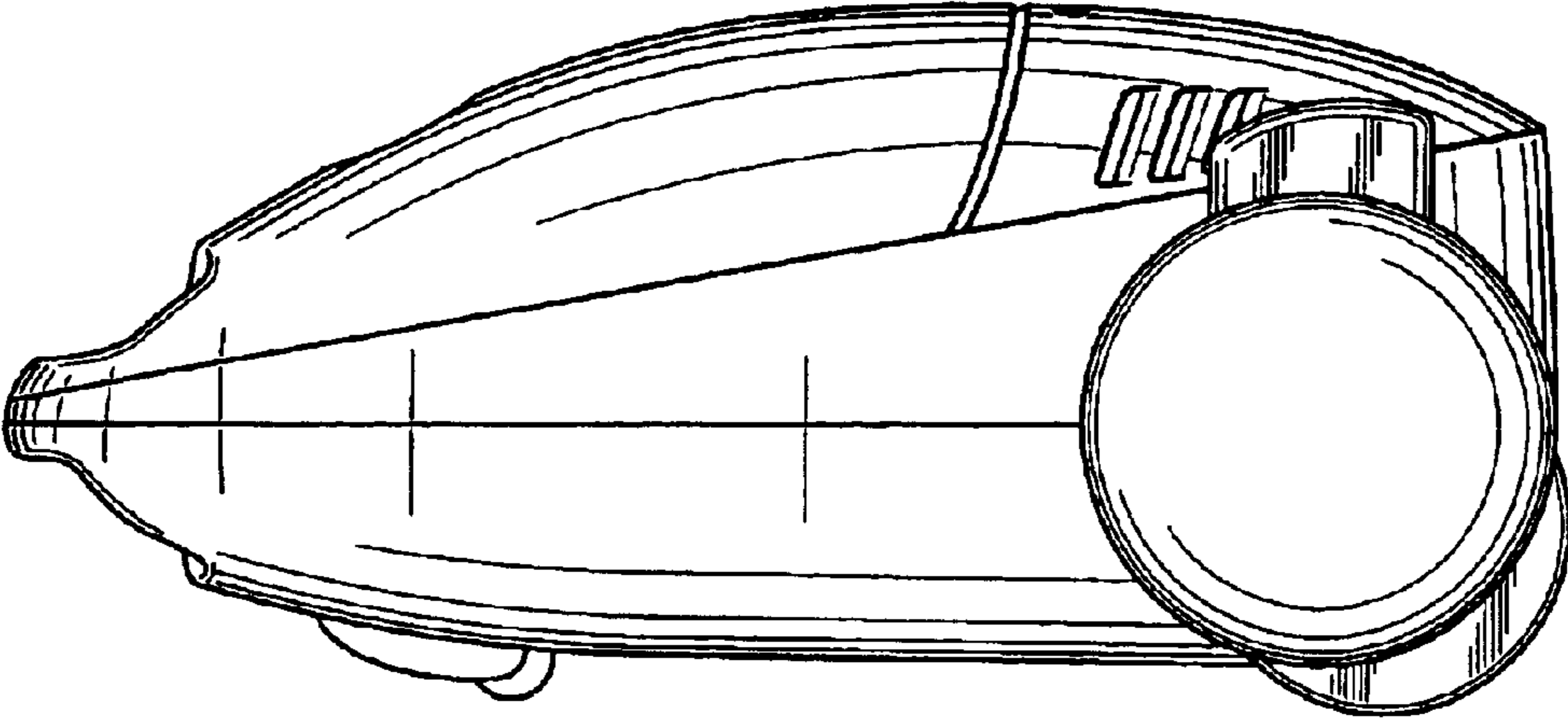


FIG. 3

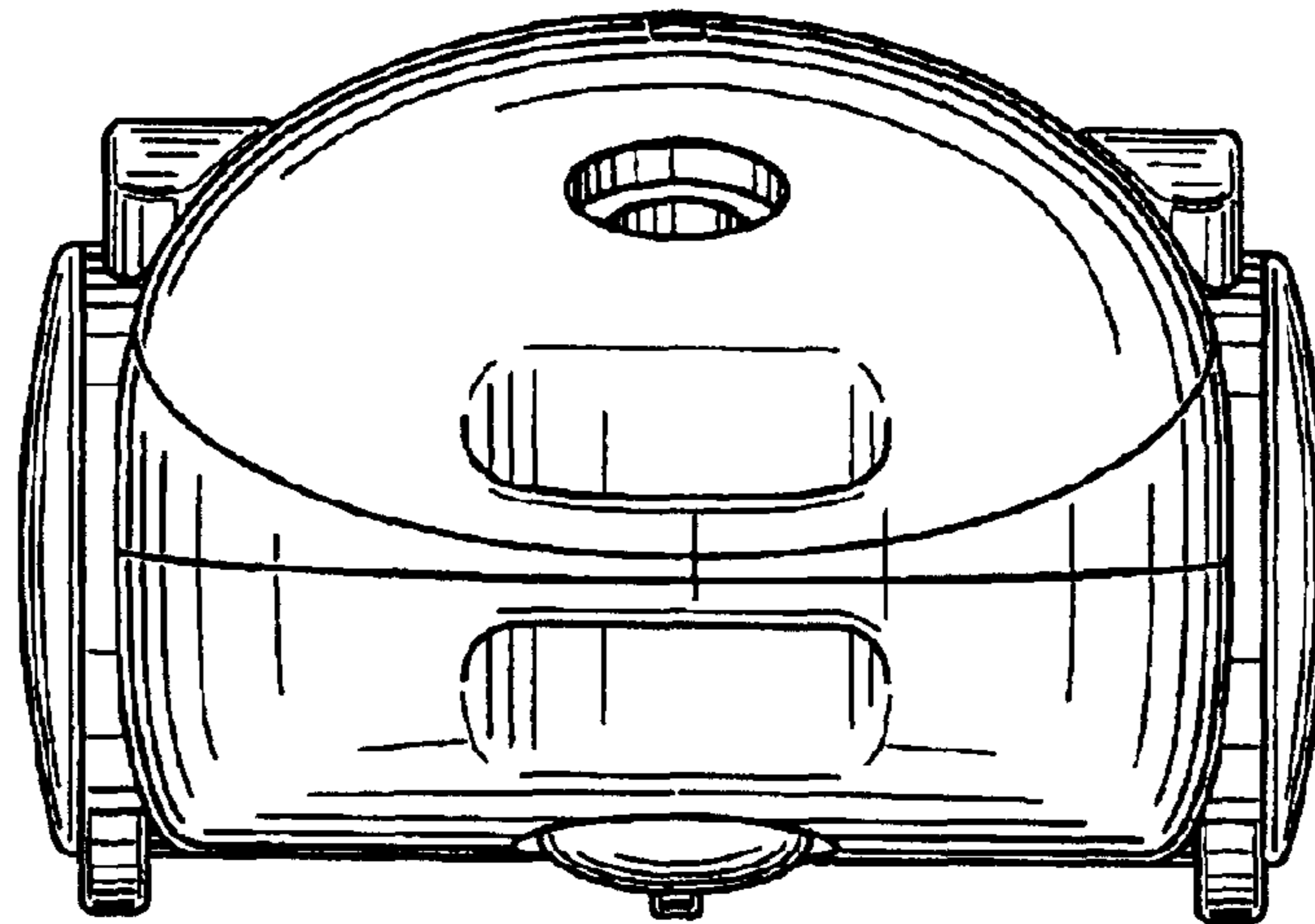


FIG. 4

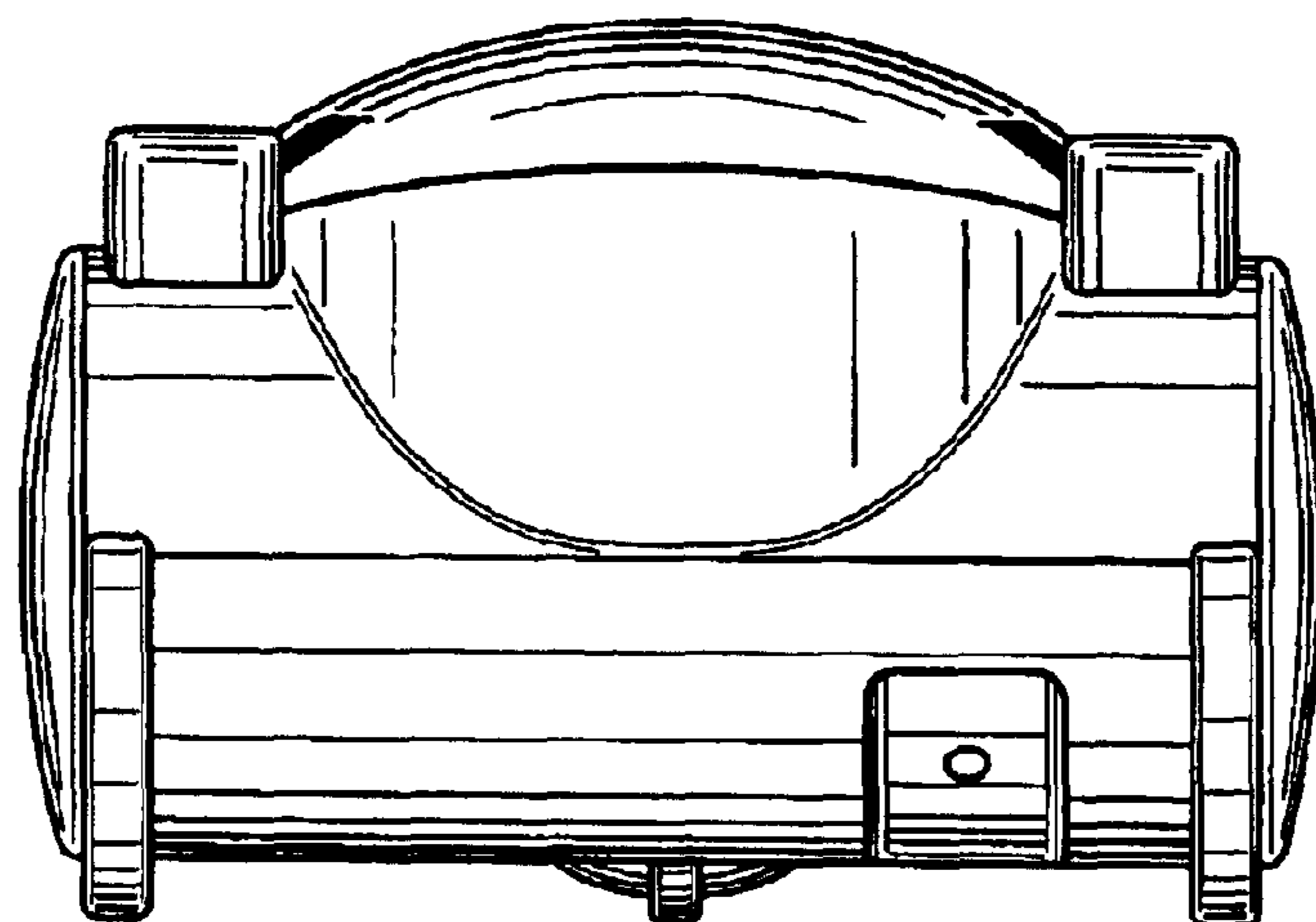


FIG. 5

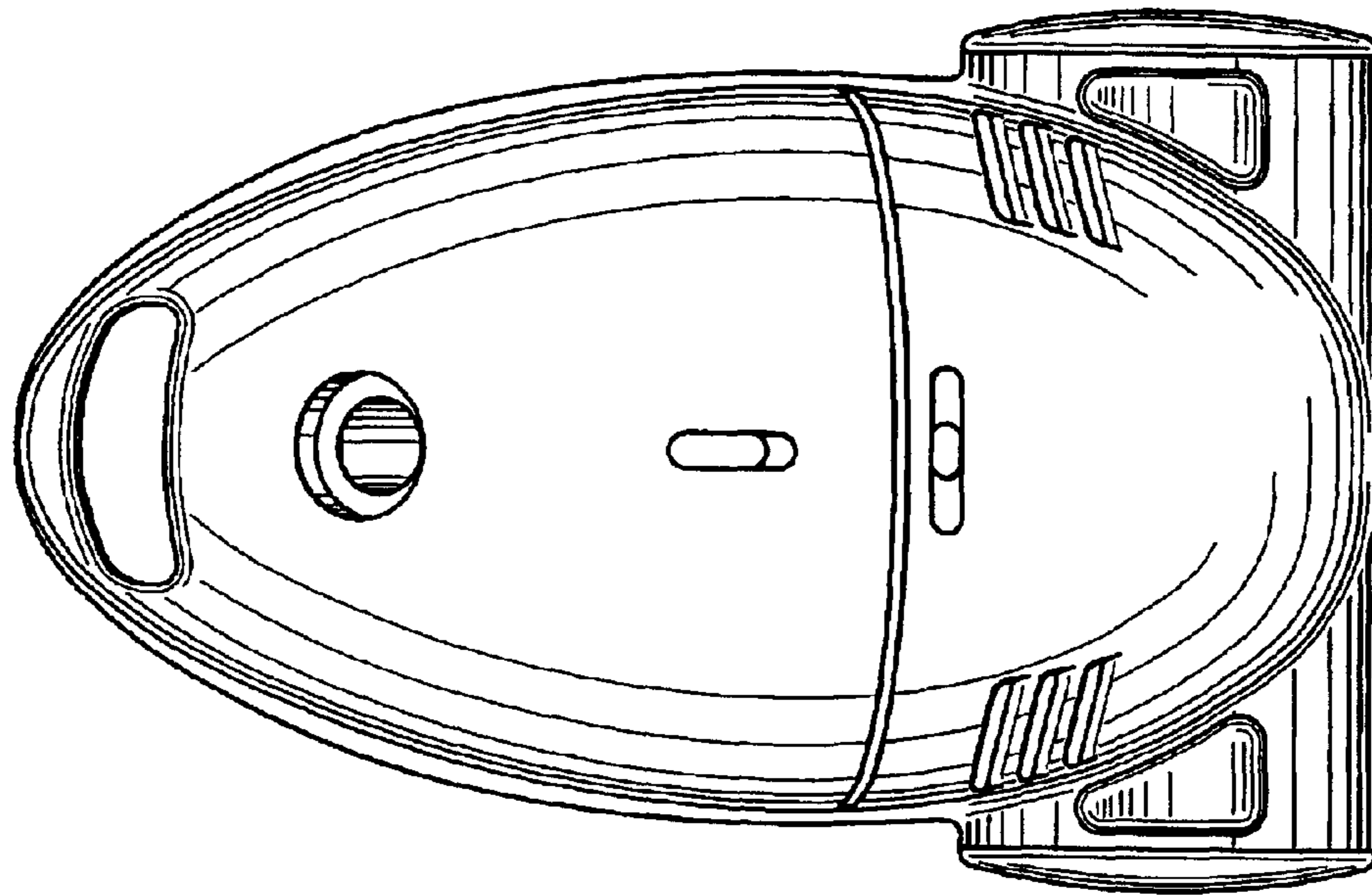


FIG. 6

