



US00D495454S1

(12) **United States Design Patent**
Lee

(10) **Patent No.:** **US D495,454 S**

(45) **Date of Patent:** **** Aug. 31, 2004**

(54) **PORTABLE VACUUM CLEANER**

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

(21) **Appl. No.:** **29/190,694**

(22) **Filed:** **Sep. 22, 2003**

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

(52) **U.S. Cl.** **D32/18**

(58) **Field of Search** D32/25, 30-31,
D32/17-18, 21-23; 15/344, 329, 347, 320,
350-353, 402, 361, 339; 55/DIG. 3, 472,
459.1, 429, 486, 487, 503; 96/337

(56) **References Cited**

U.S. PATENT DOCUMENTS

D192,345 S	*	3/1962	Nerheim	.....	D32/18
D290,893 S	*	7/1987	Essex	.....	D32/18
D298,874 S	*	12/1988	Nakamura	.....	D32/18
D312,516 S	*	11/1990	Yuen	.....	D32/18
D315,623 S	*	3/1991	Bartasevich et al.	.....	D32/18

5,329,666 A	*	7/1994	Bowerman et al.	.....	15/323
D443,960 S	*	6/2001	Shimko et al.	.....	D32/18
D463,632 S	*	9/2002	Stratford	.....	D32/18
D463,633 S	*	9/2002	Stratford	.....	D32/18
D475,819 S	*	6/2003	Milanese	.....	D32/17

* cited by examiner

Primary Examiner—Ruth McInroy

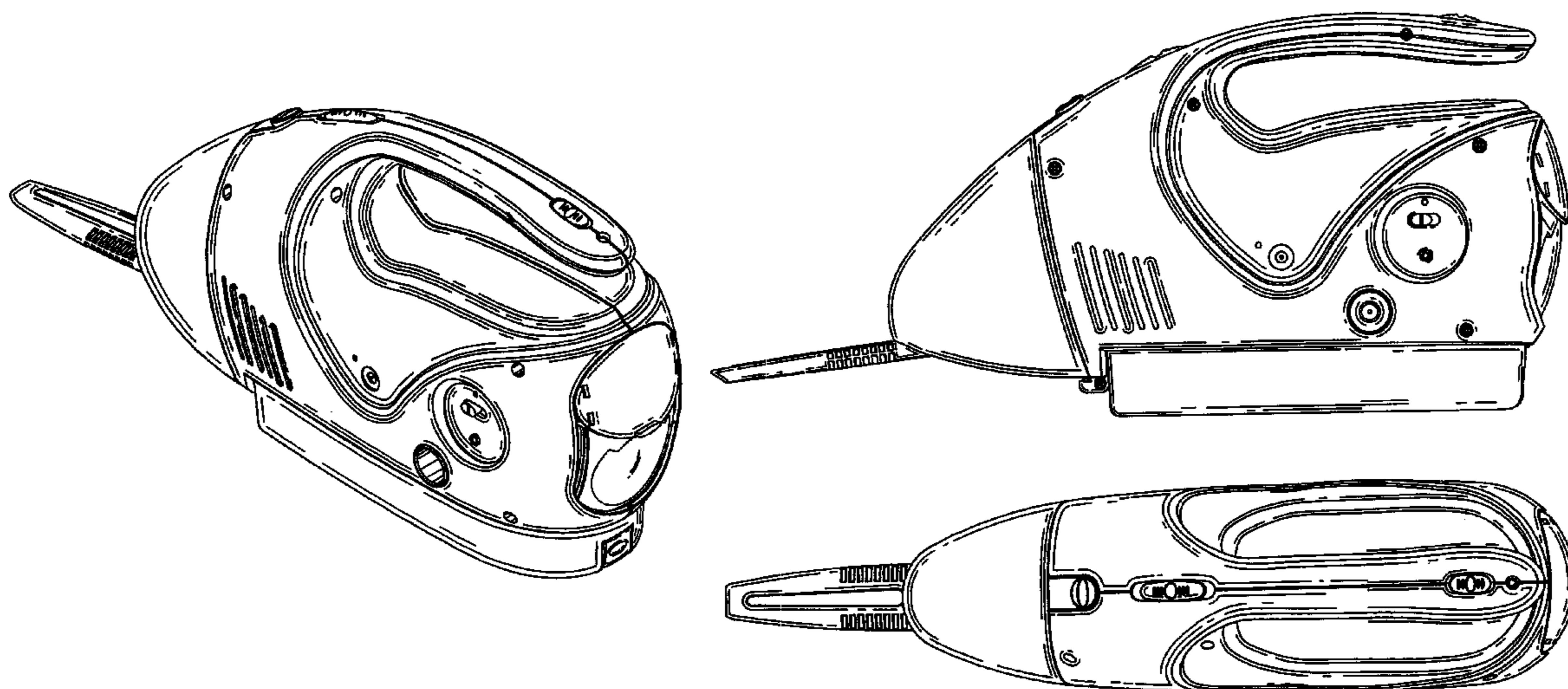
(57) **CLAIM**

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

DESCRIPTION

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

1 Claim, 6 Drawing Sheets



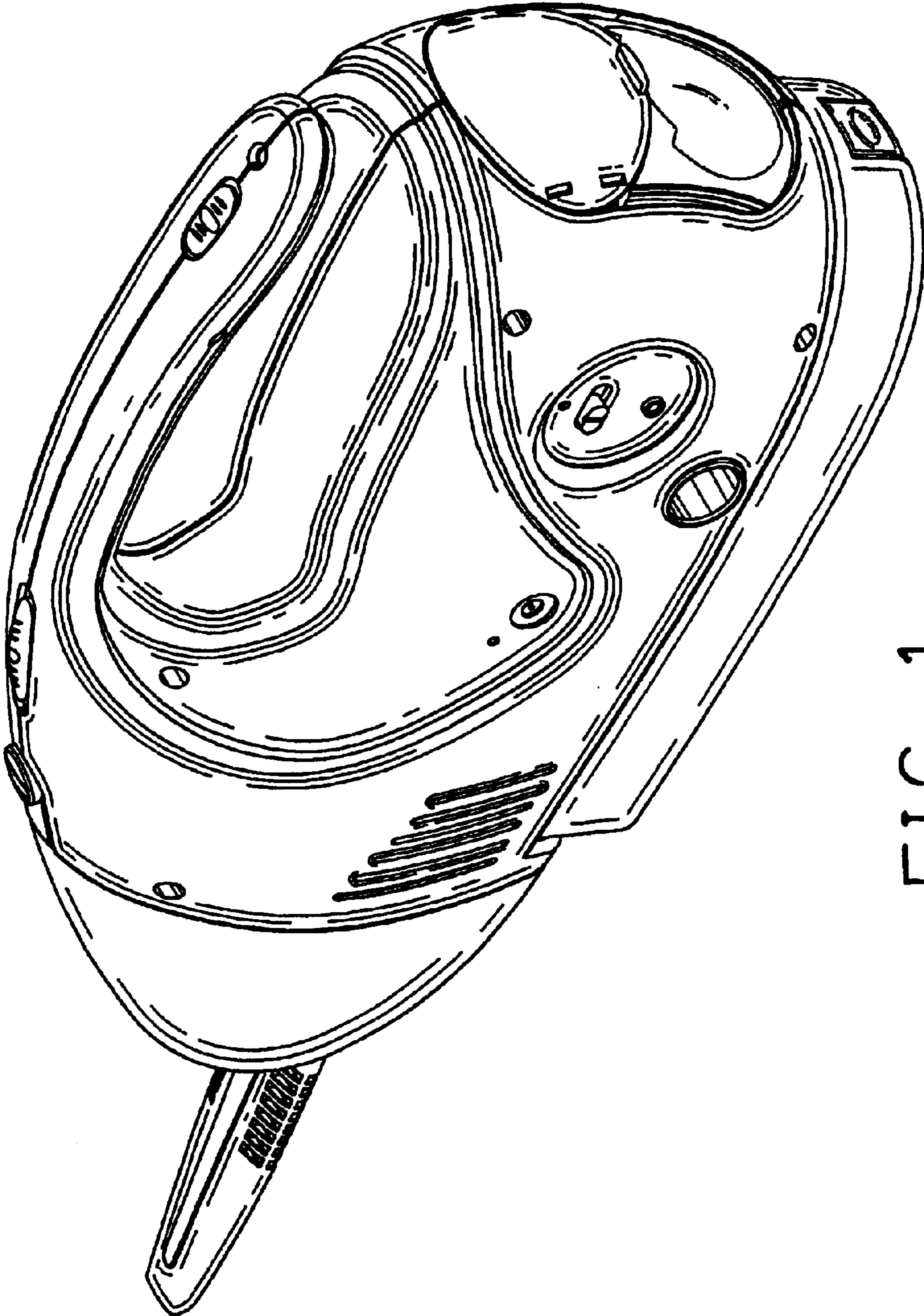


FIG. 1

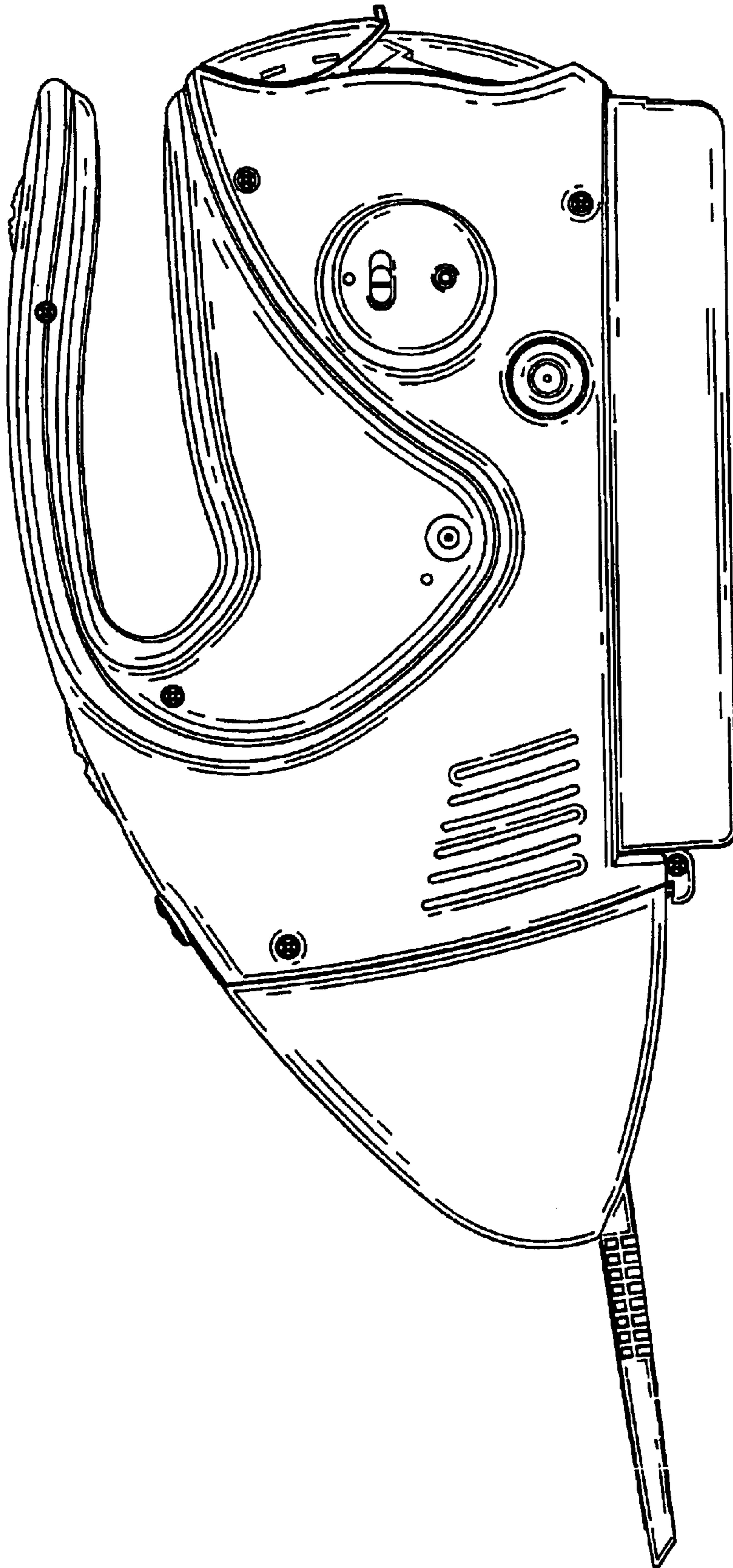


FIG. 2

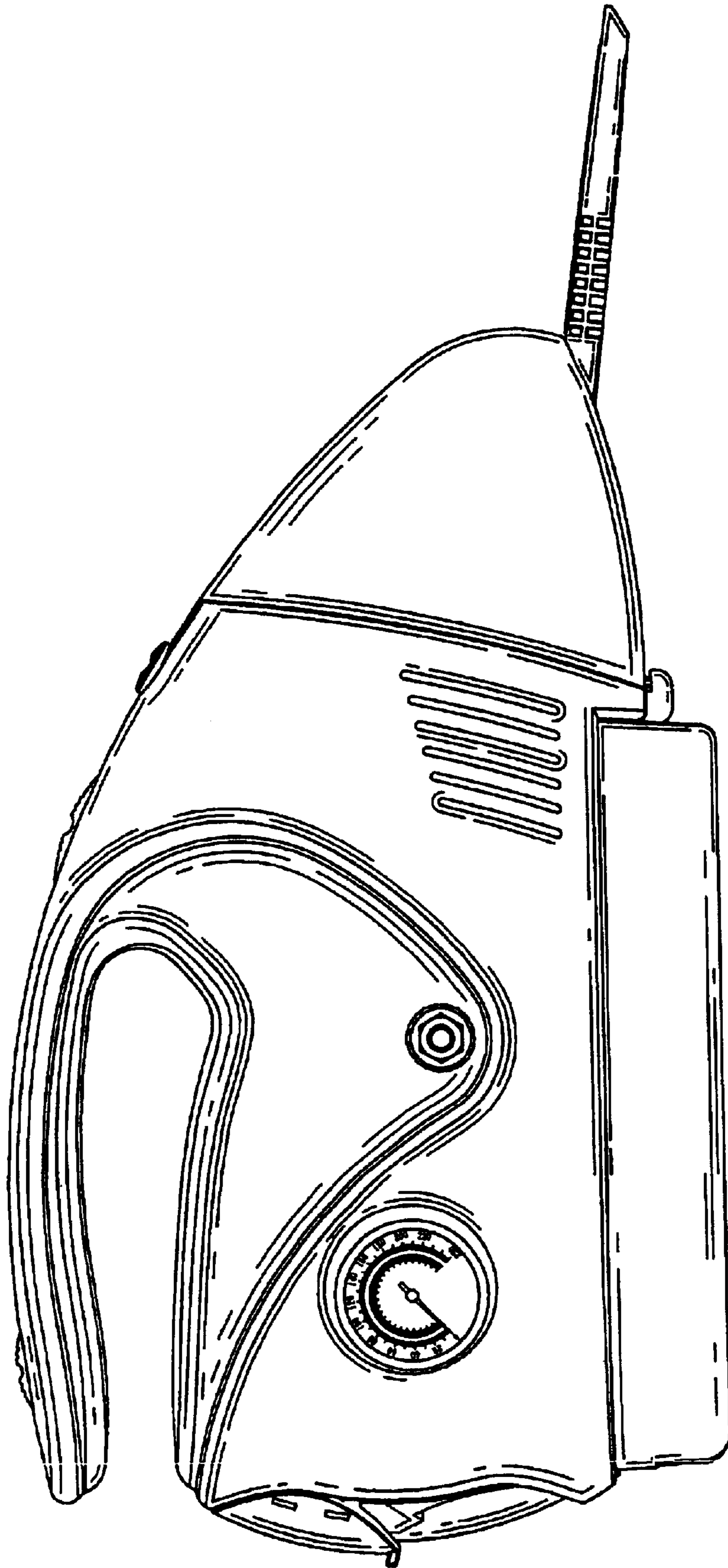


FIG. 3

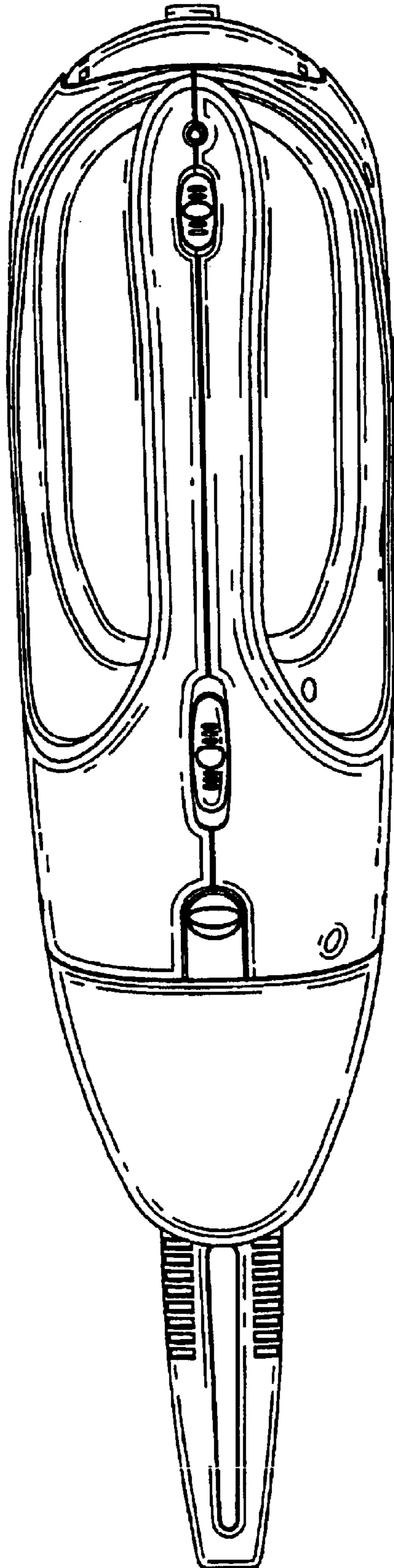


FIG. 4

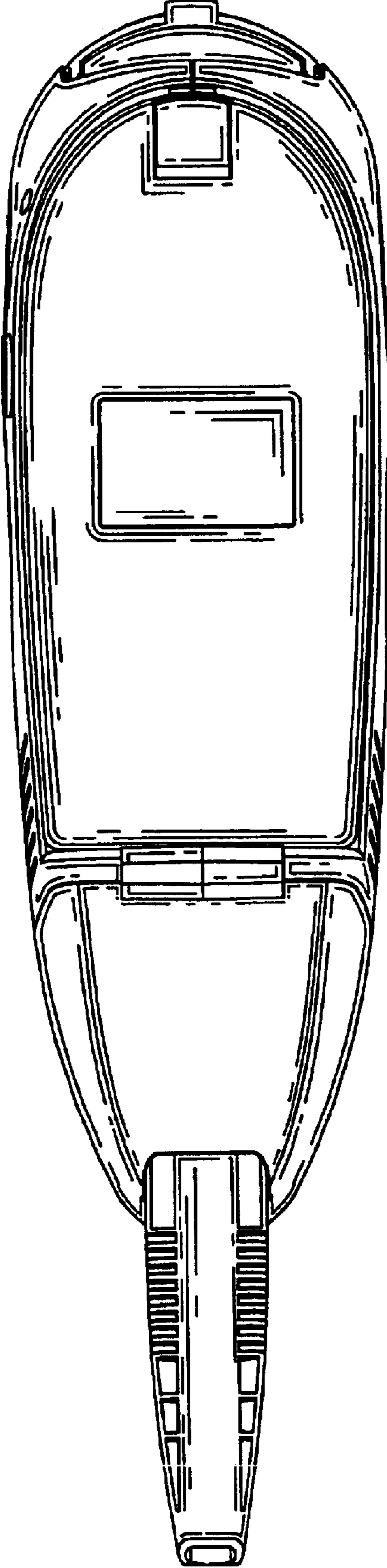


FIG. 5

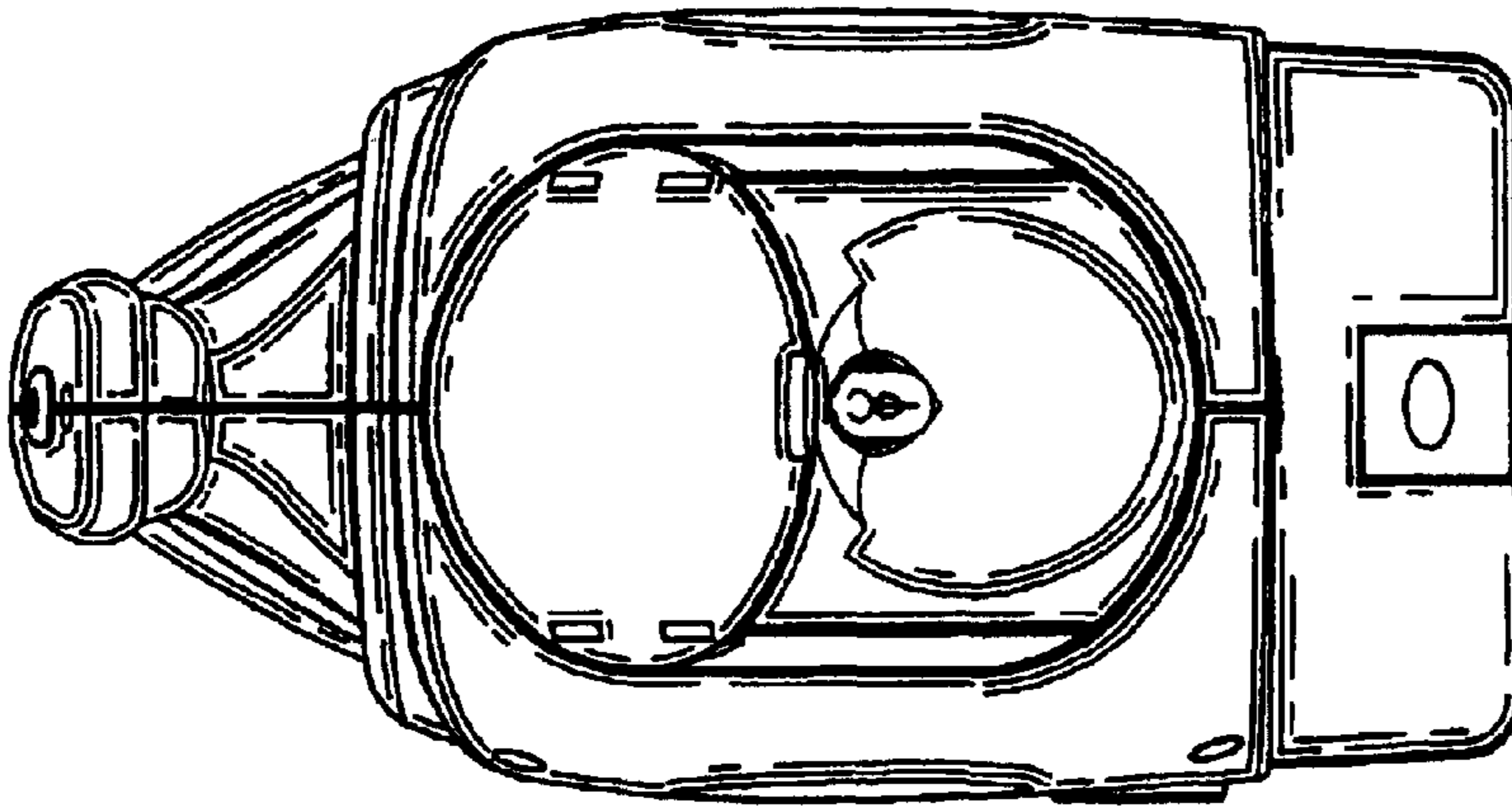


FIG. 7

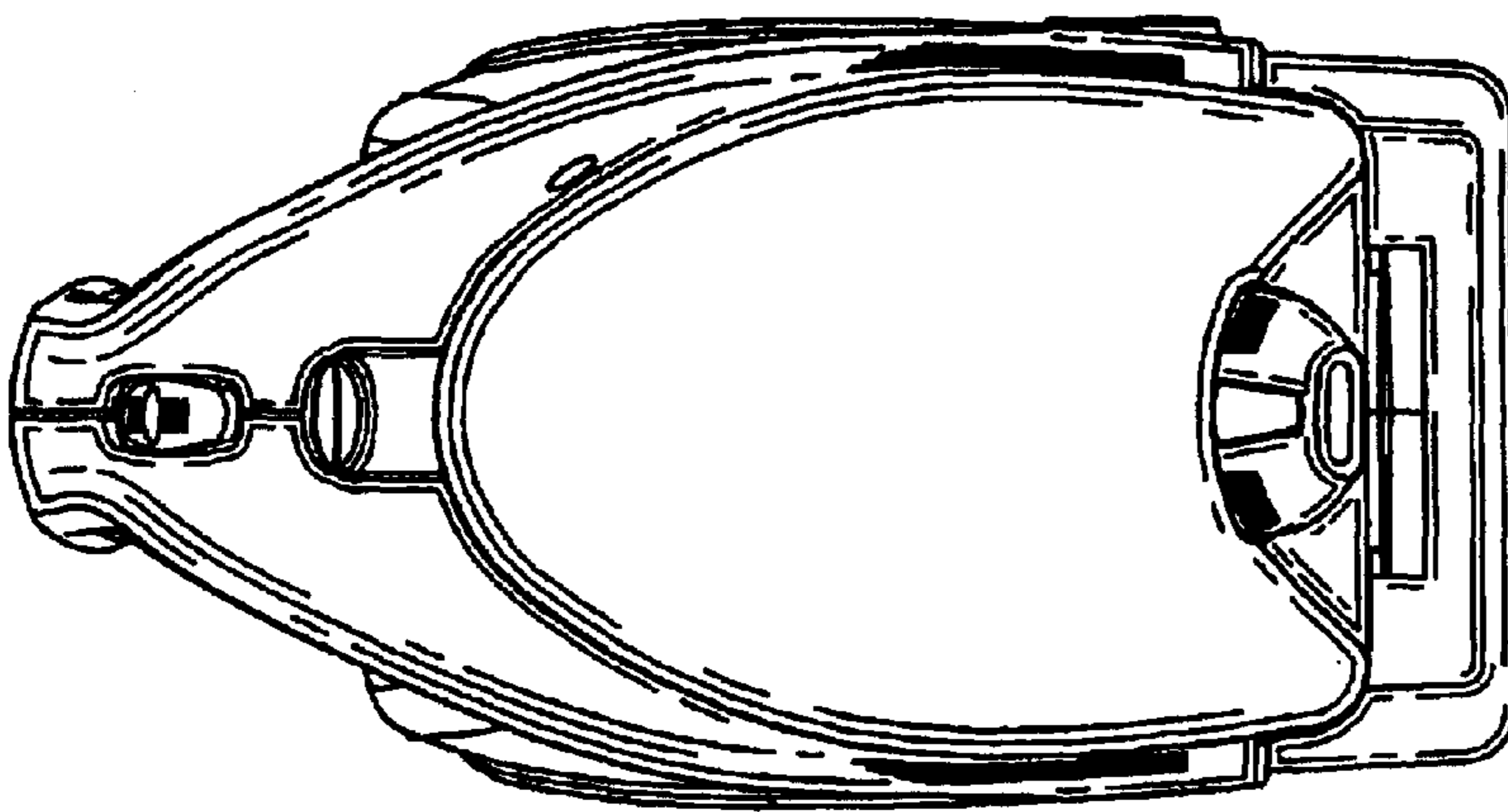


FIG. 6