

[54] ELECTRIC VACUUM CLEANER

D. 296,944 7/1988 Yamamoto et al. .... D32/21  
D. 297,475 8/1988 Umehara et al. .... D32/21  
D. 297,675 9/1988 Umehara et al. .... D32/21

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[73] Assignee: Matsushita Electric Industrial Co., Ltd., Osaka, Japan

[\*\*] Term: 14 Years

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[30] Foreign Application Priority Data

Dec. 16, 1988 [JP] Japan ..... 63-49290

[52] U.S. Cl. .... D32/21

[58] Field of Search ..... D32/21, 23-24;  
15/327 R, 327 F, 327 B, 327 D, 327 E, 412,  
301-302, 314-315, 320-323, 352-353

[56] References Cited

U.S. PATENT DOCUMENTS

D. 246,107 10/1977 Yoshida et al. .... D32/21  
D. 279,614 7/1985 Essex ..... D32/21  
D. 280,143 8/1985 Berfield et al. .... D32/21  
D. 289,213 4/1987 Perkins ..... D32/24  
D. 290,896 7/1987 Kim ..... D32/24

OTHER PUBLICATIONS

Sanyo Catalog, "SC9200E", Sep. 1983.  
Toshiba Catalog, "VC-1010E", Feb. 1986.  
Hitachi Catalog, "CV-2500", Feb. 1987.  
National Catalog, "MC-A100PE", May 1988.  
National Catalog, "MC-A70PK", Sep. 1988.

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[57] CLAIM

The ornamental design for a electrical vacuum cleaner, substantially as shown.

DESCRIPTION

FIG. 1 is a front, top and right side perspective view of a electric vacuum cleaner showing our 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 right side elevational view thereof; and FIG. 7 is a left side elevational view thereof.

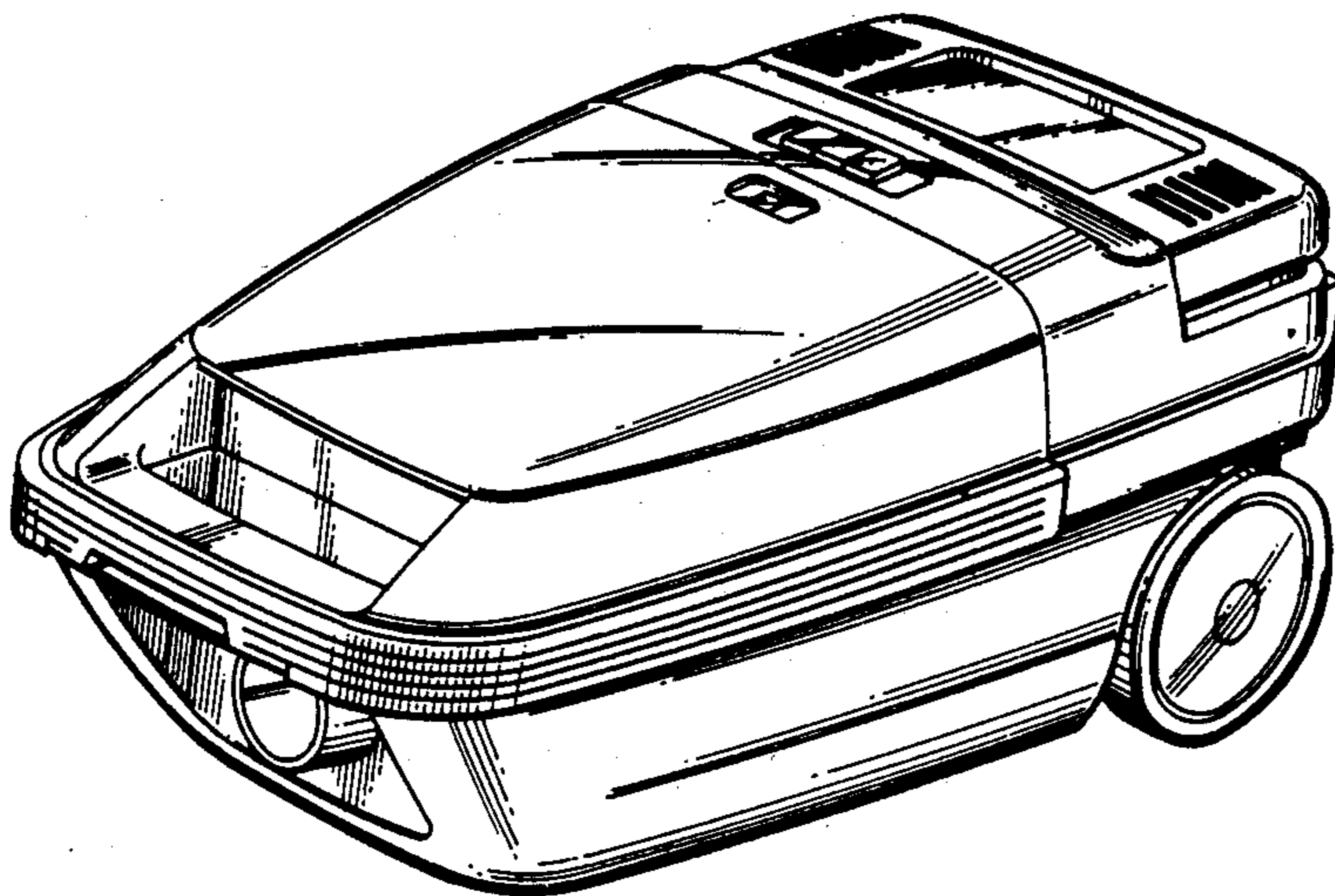


FIG. 1

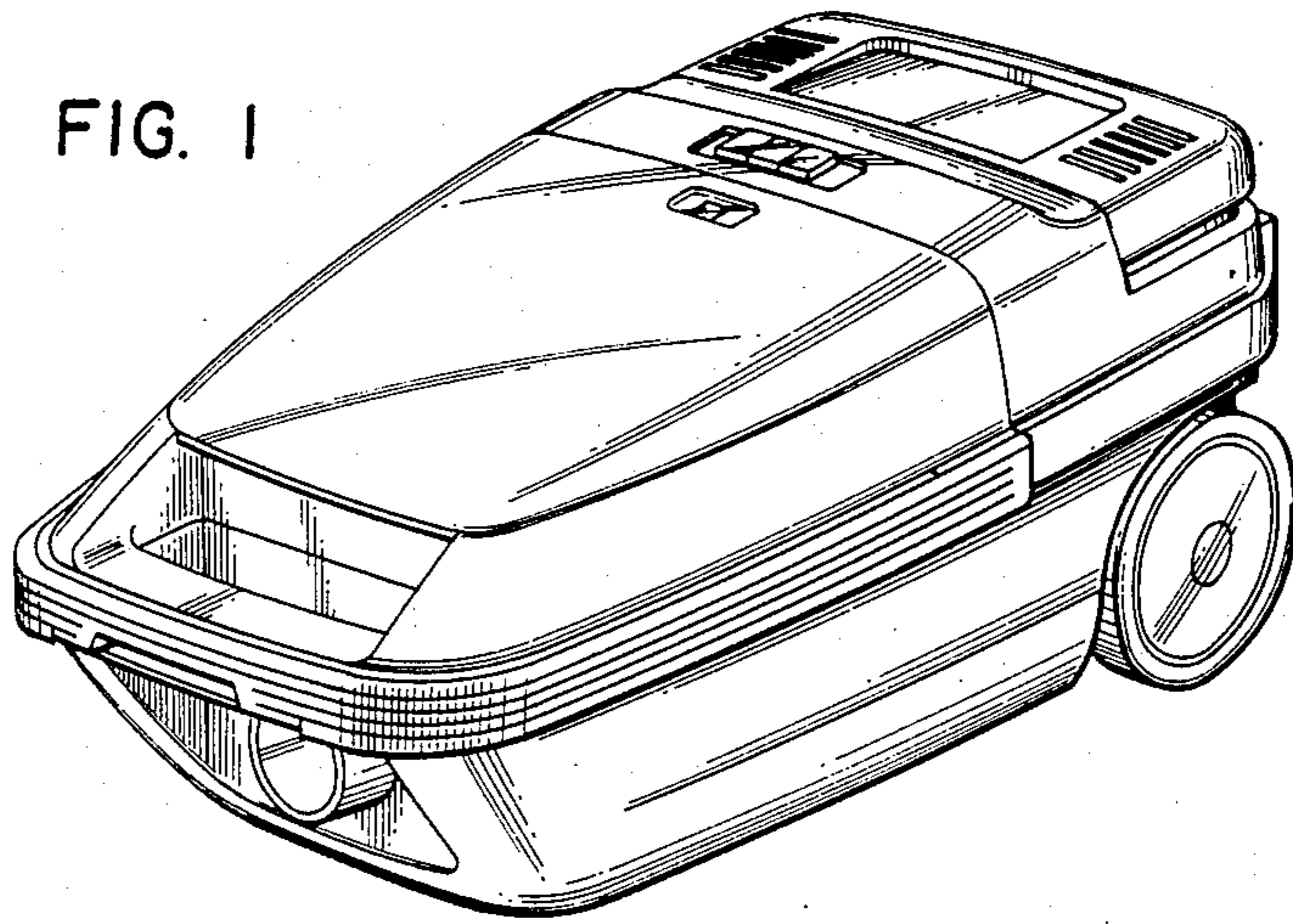


FIG. 6

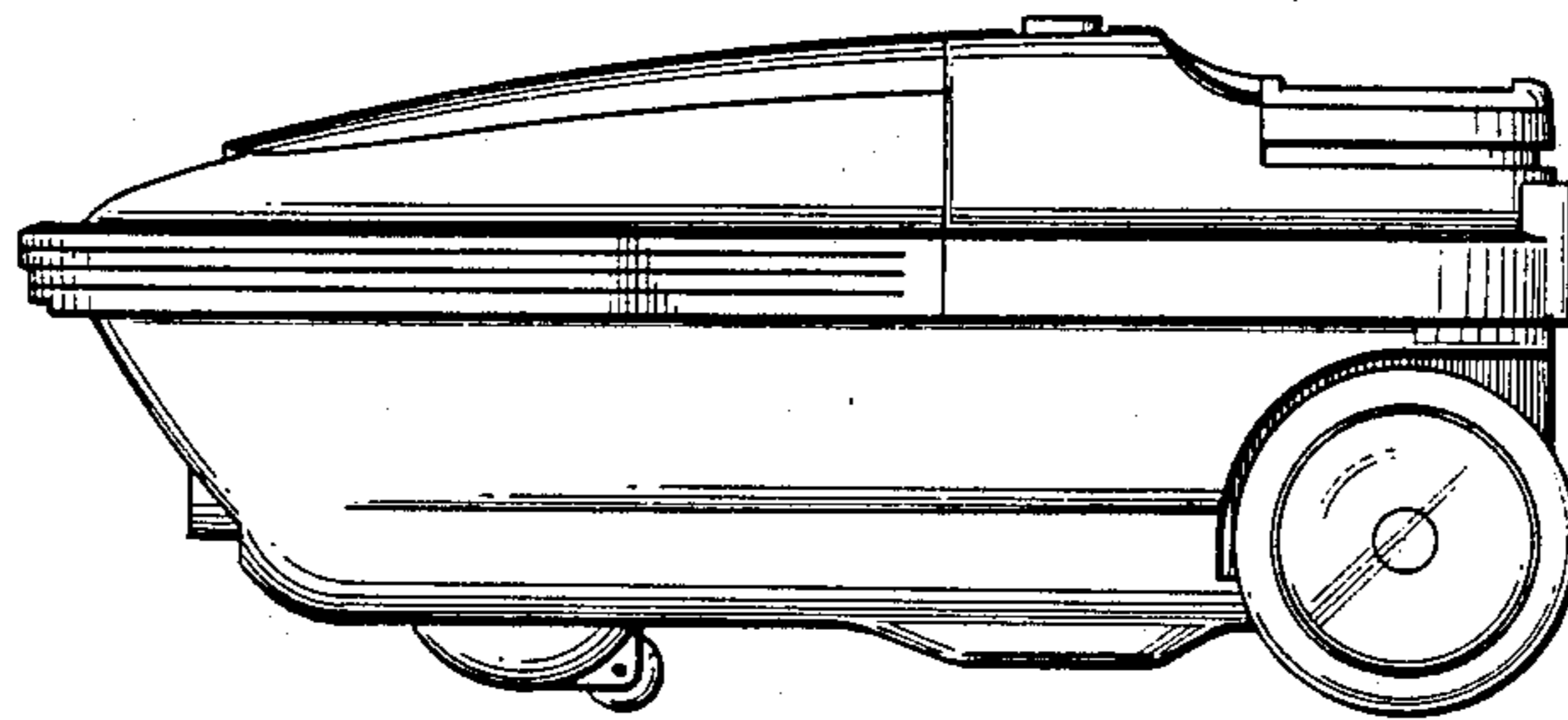
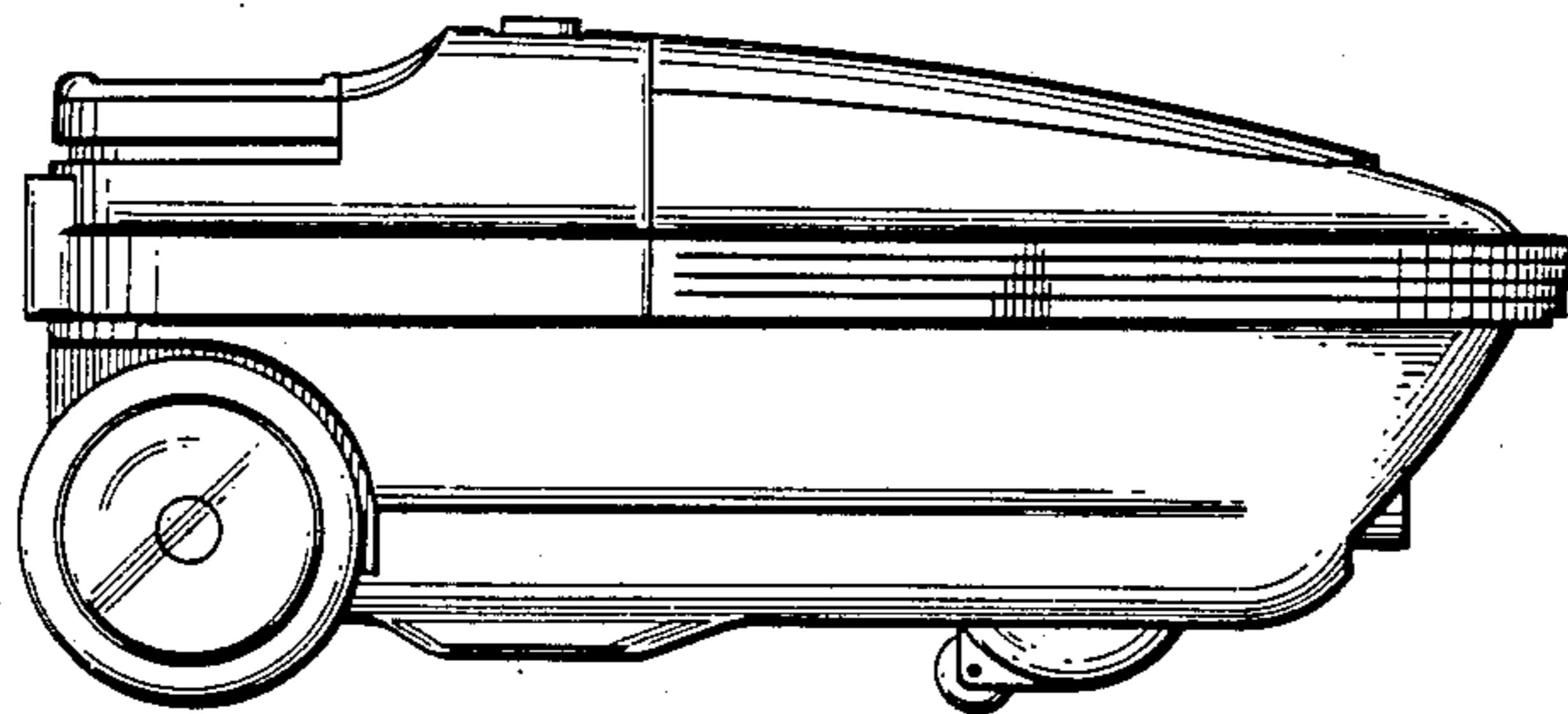


FIG. 7



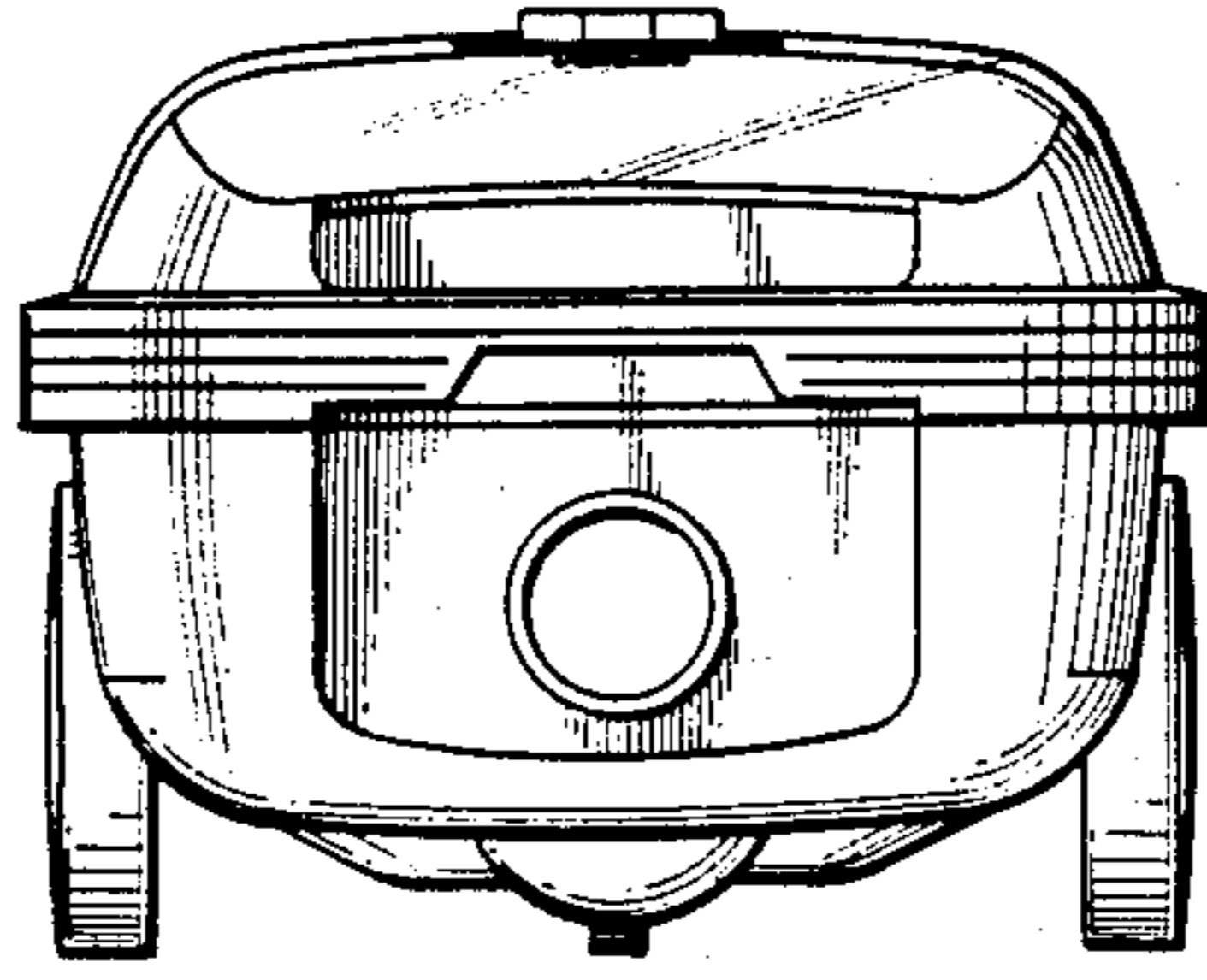


FIG. 2

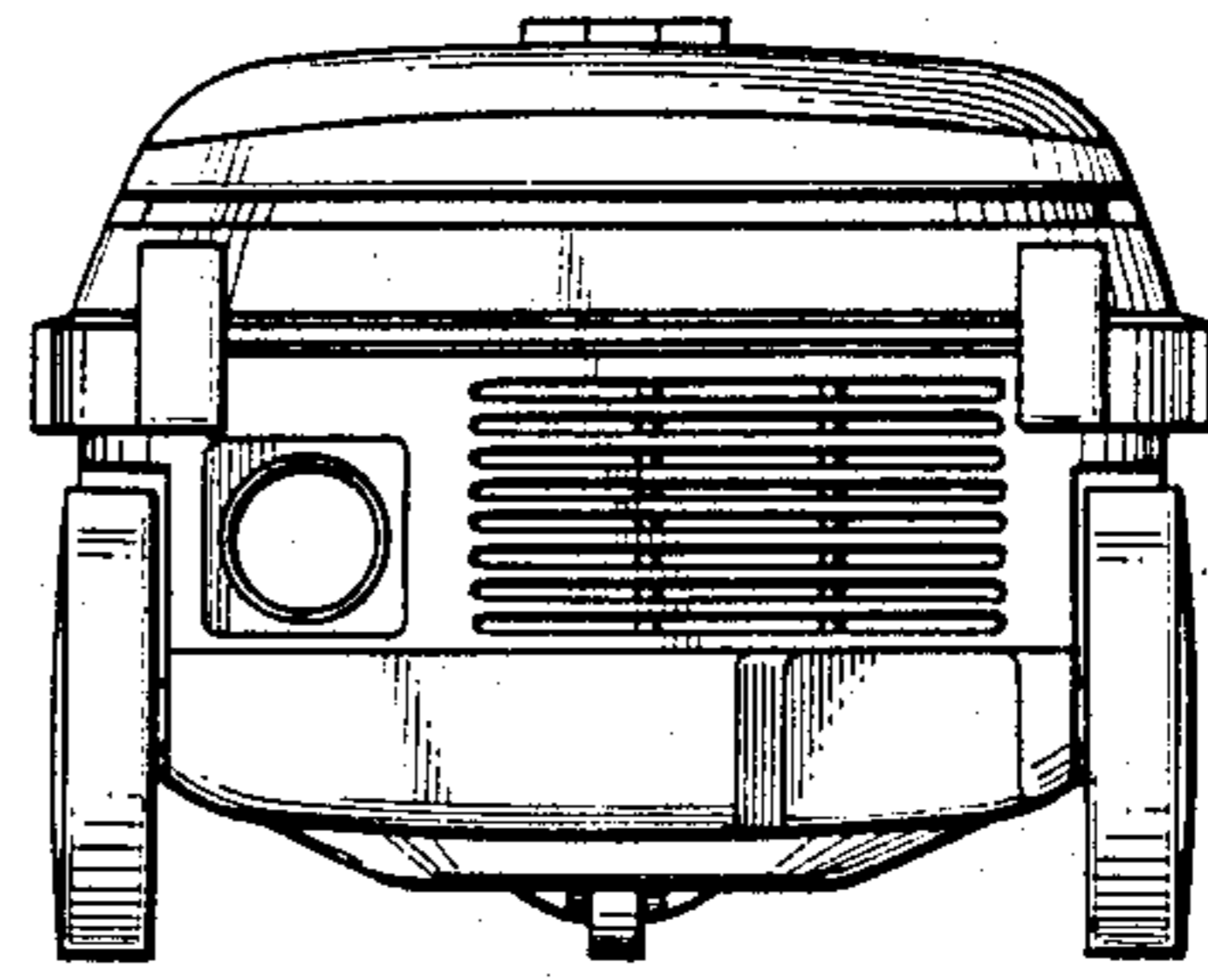


FIG. 3

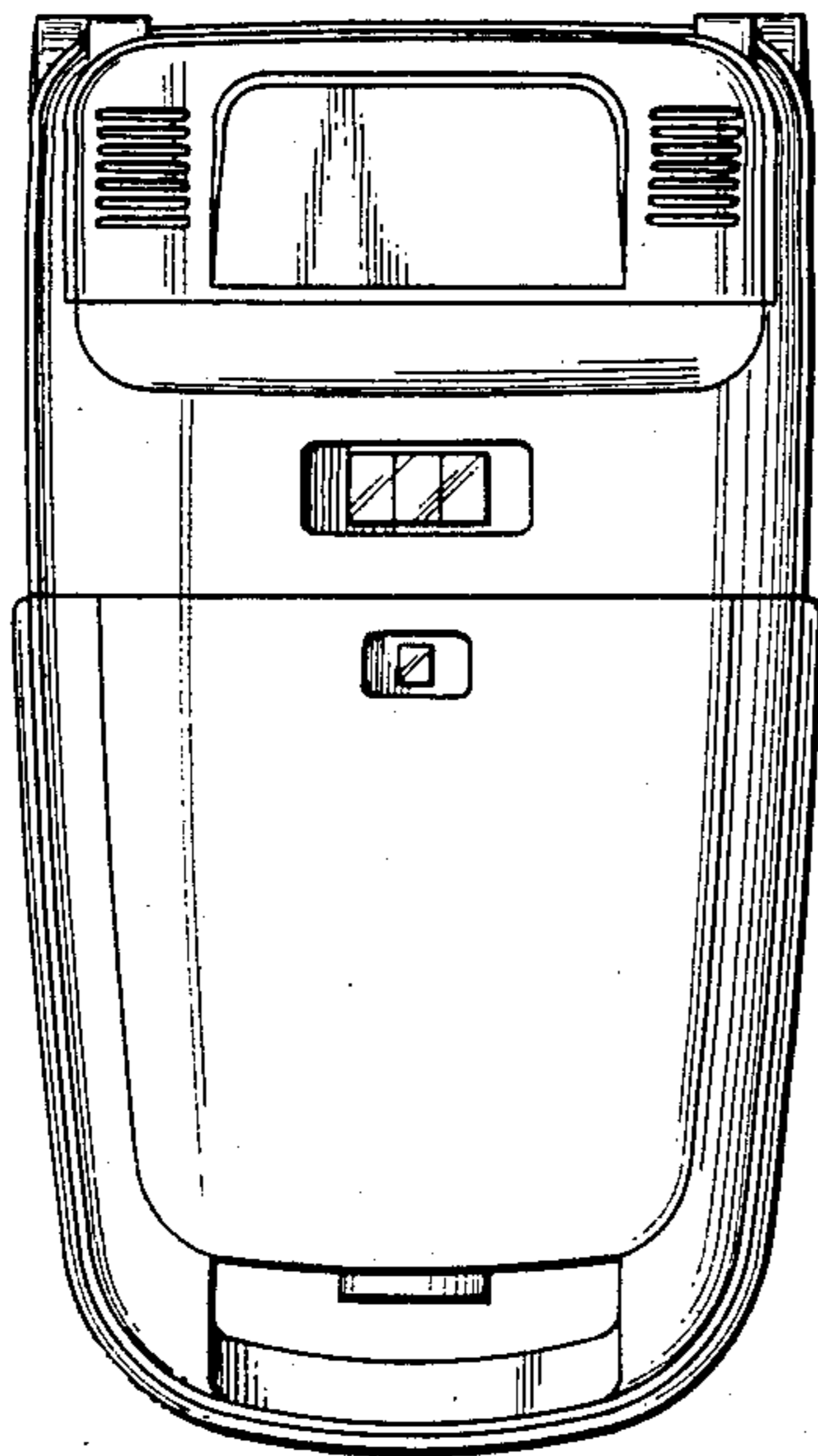


FIG. 4

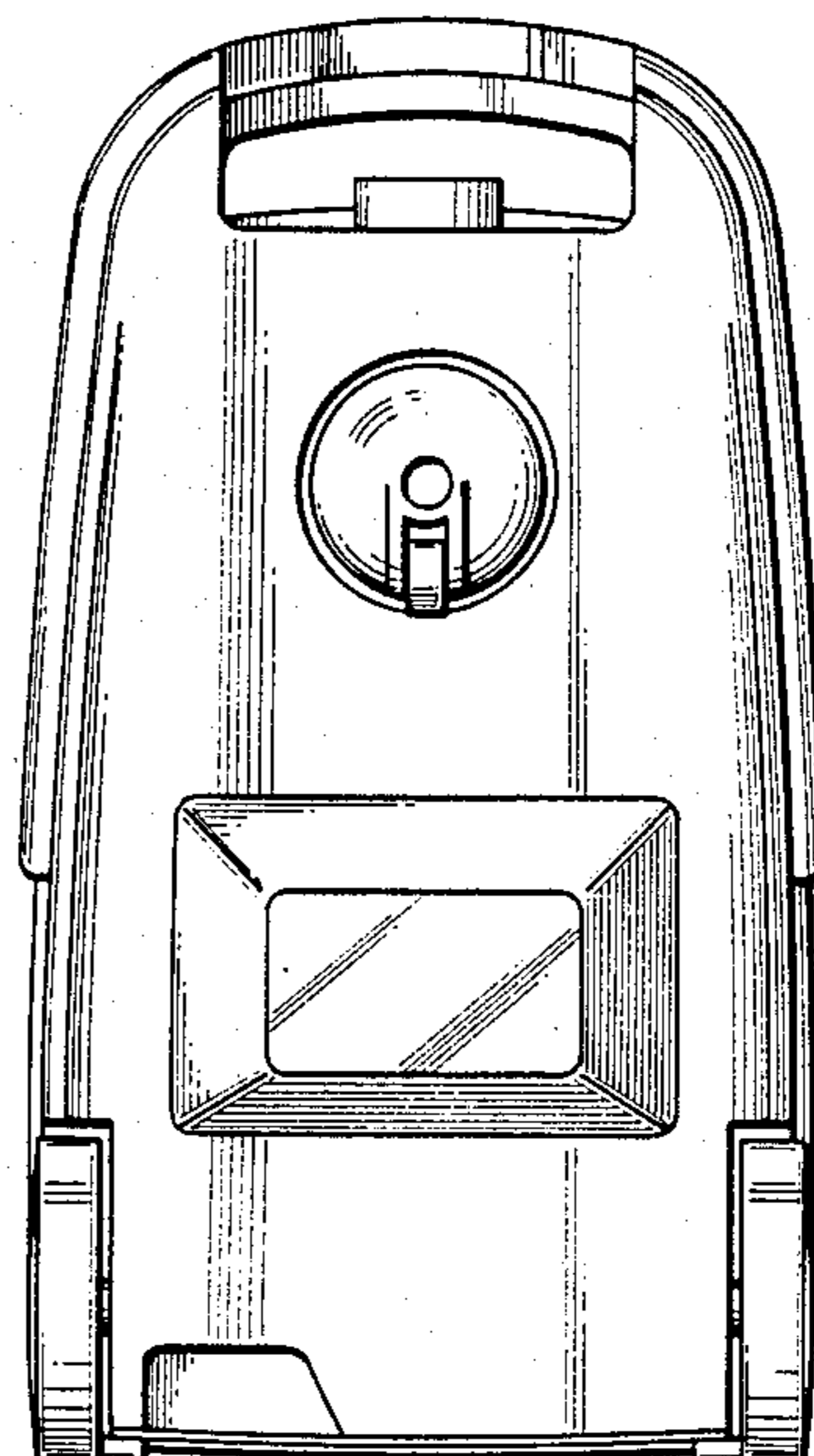


FIG. 5