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United States Patent [19]

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Kuriya

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[54] **VACUUM CLEANER**

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[73] Assignee: **Sharp Kabushiki Kaisha, Osaka, Japan**

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

[21] Appl. No.: **821,932**

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[30] **Foreign Application Priority Data**

Jul. 16, 1991 [JP] Japan 3-21319

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

[58] Field of Search 15/320-321, 15/323, 327.1-327.2, 327.4-327.7, 347, 352-353, 412; D32/1, 21, 23-24, 31

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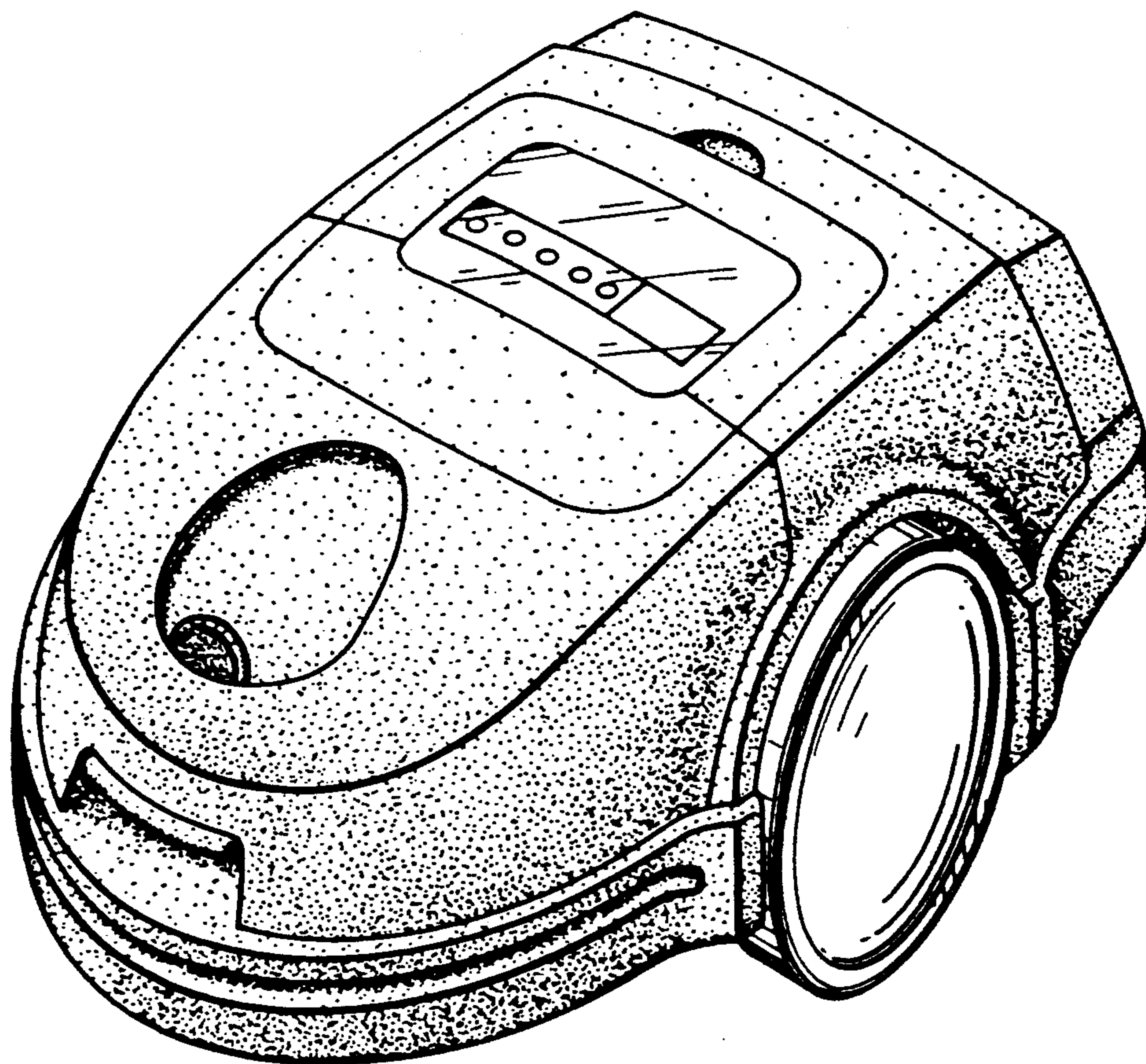
Primary Examiner—Ruth McInroy
Attorney, Agent, or Firm—Nixon & Vanderhye

[57] CLAIM

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

DESCRIPTION

FIG. 1 is a top, front and right side elevational view of a vacuum cleaner according to the present invention; FIG. 2 is a top plan view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a rear elevational view thereof; FIG. 6 is a left side elevational view thereof; and, FIG. 7 is a bottom plan view thereof.



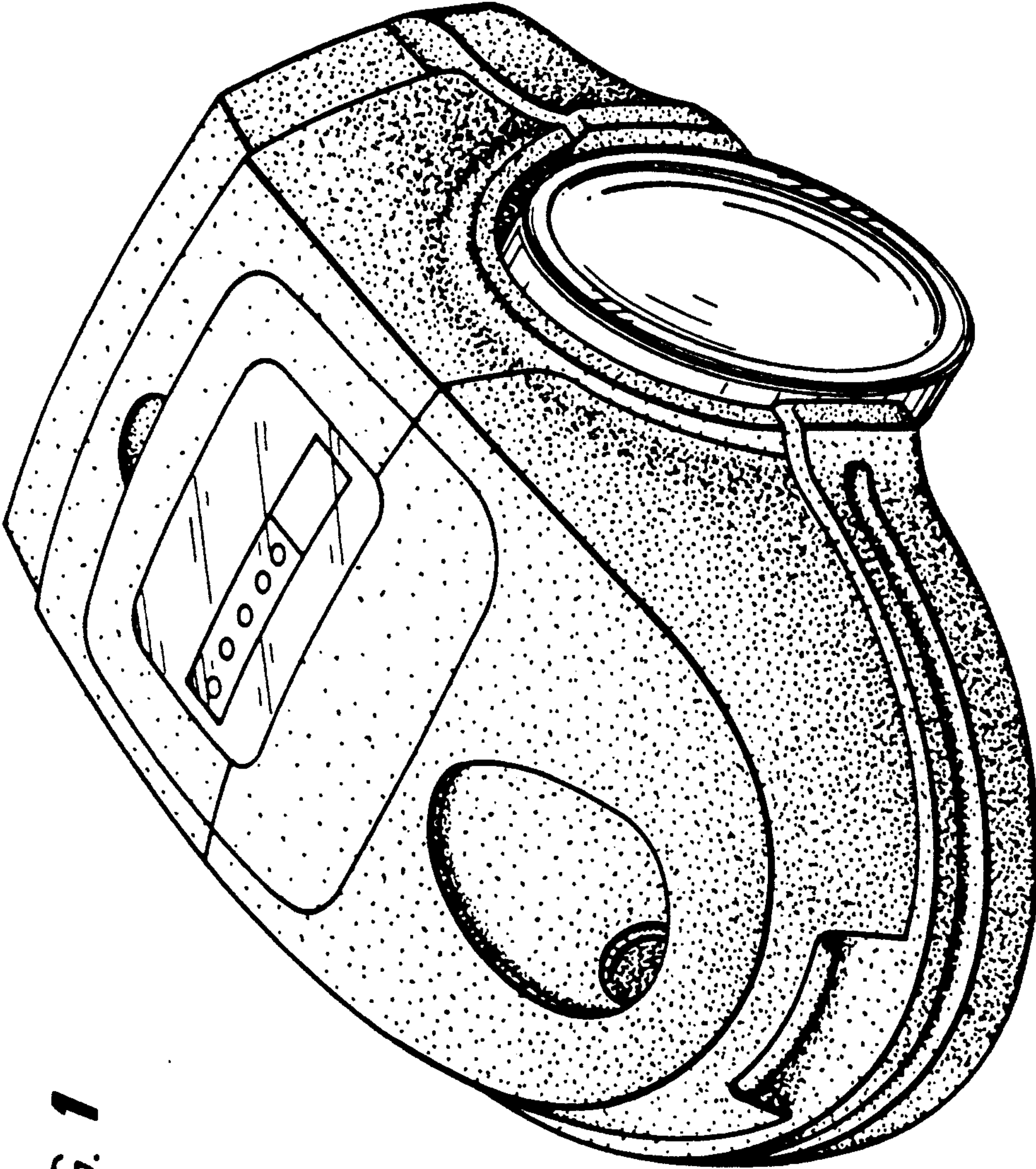


FIG. 1

FIG. 2

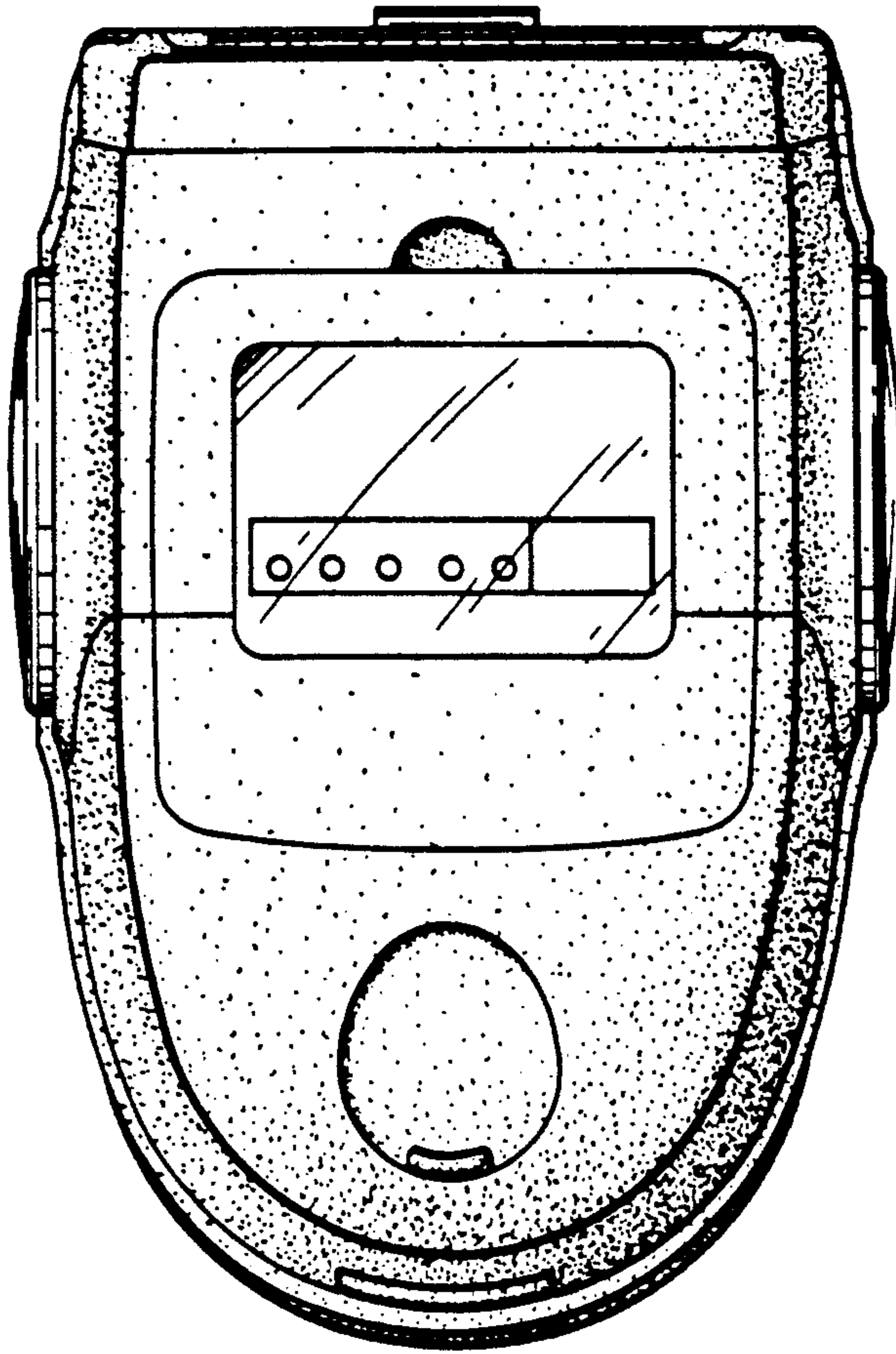


FIG. 3

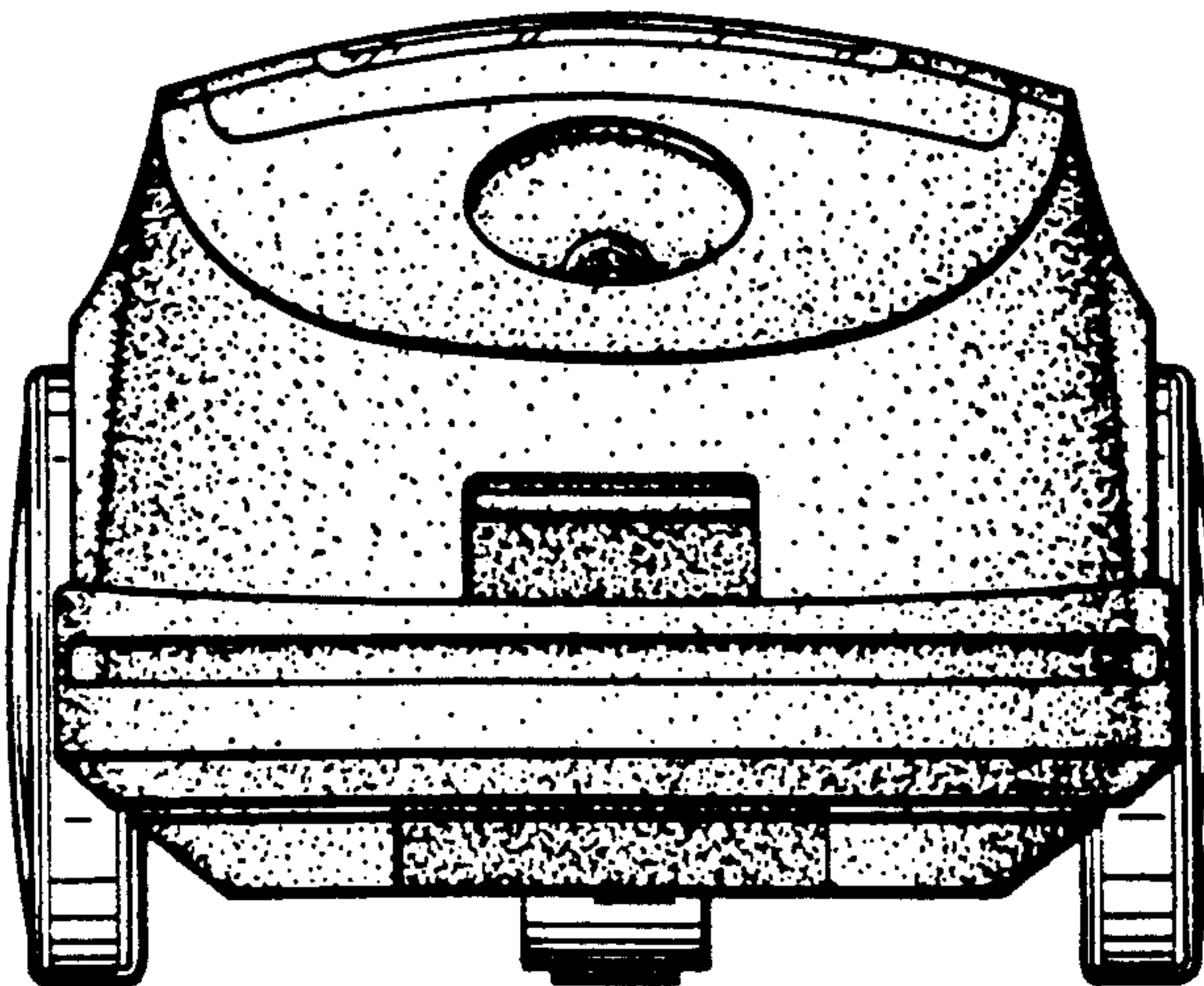


FIG. 4

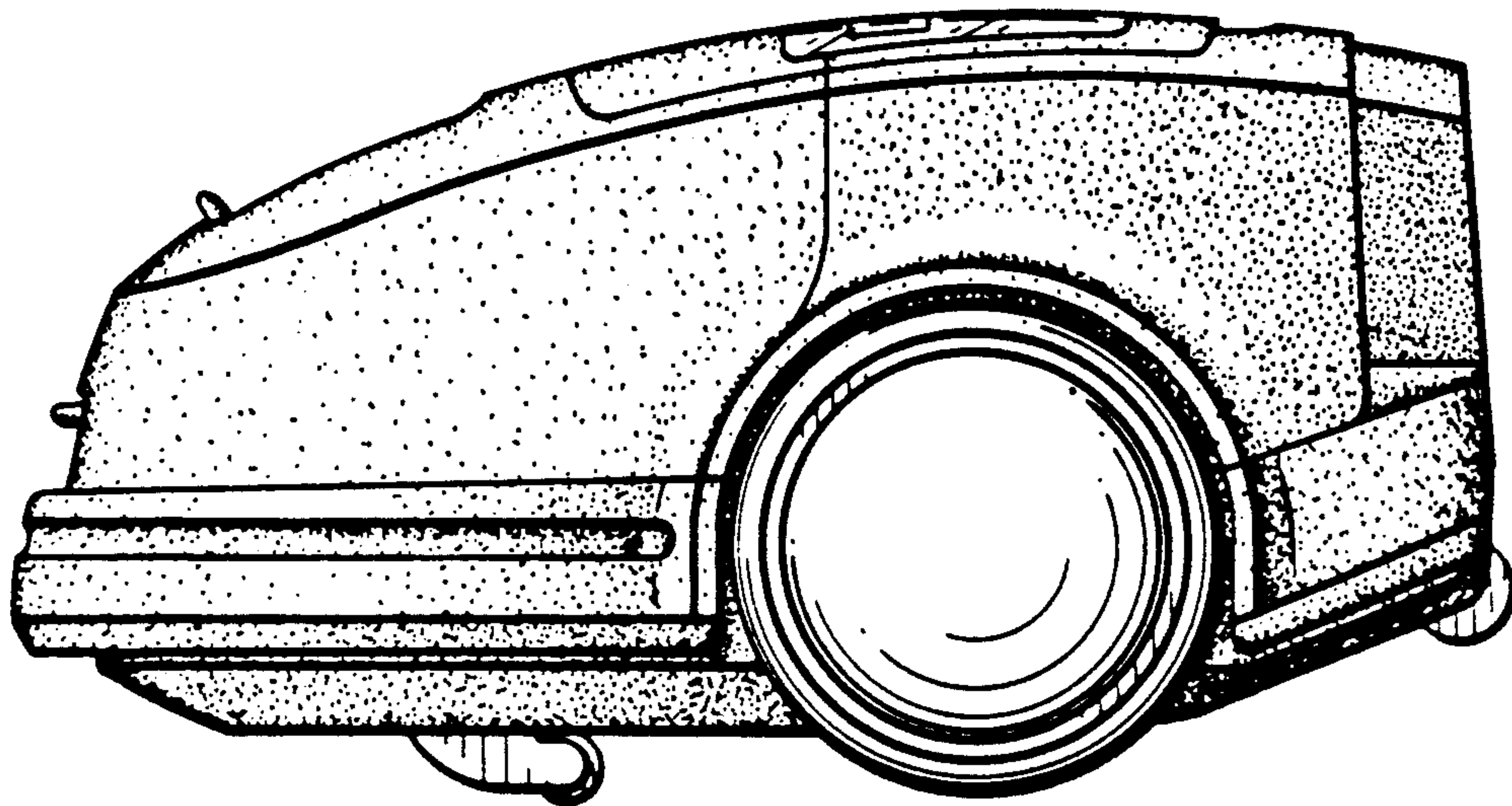


FIG. 5

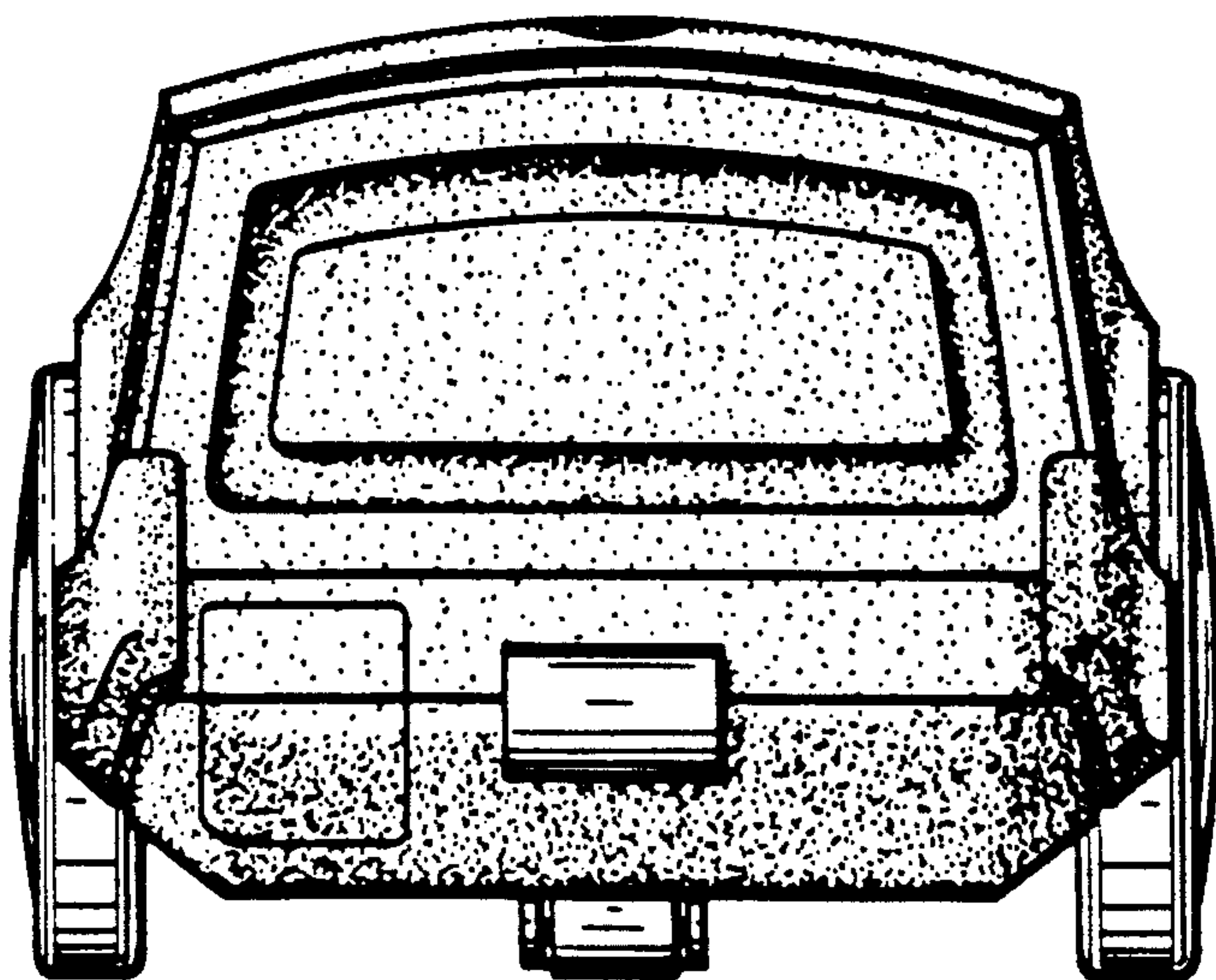


FIG. 6

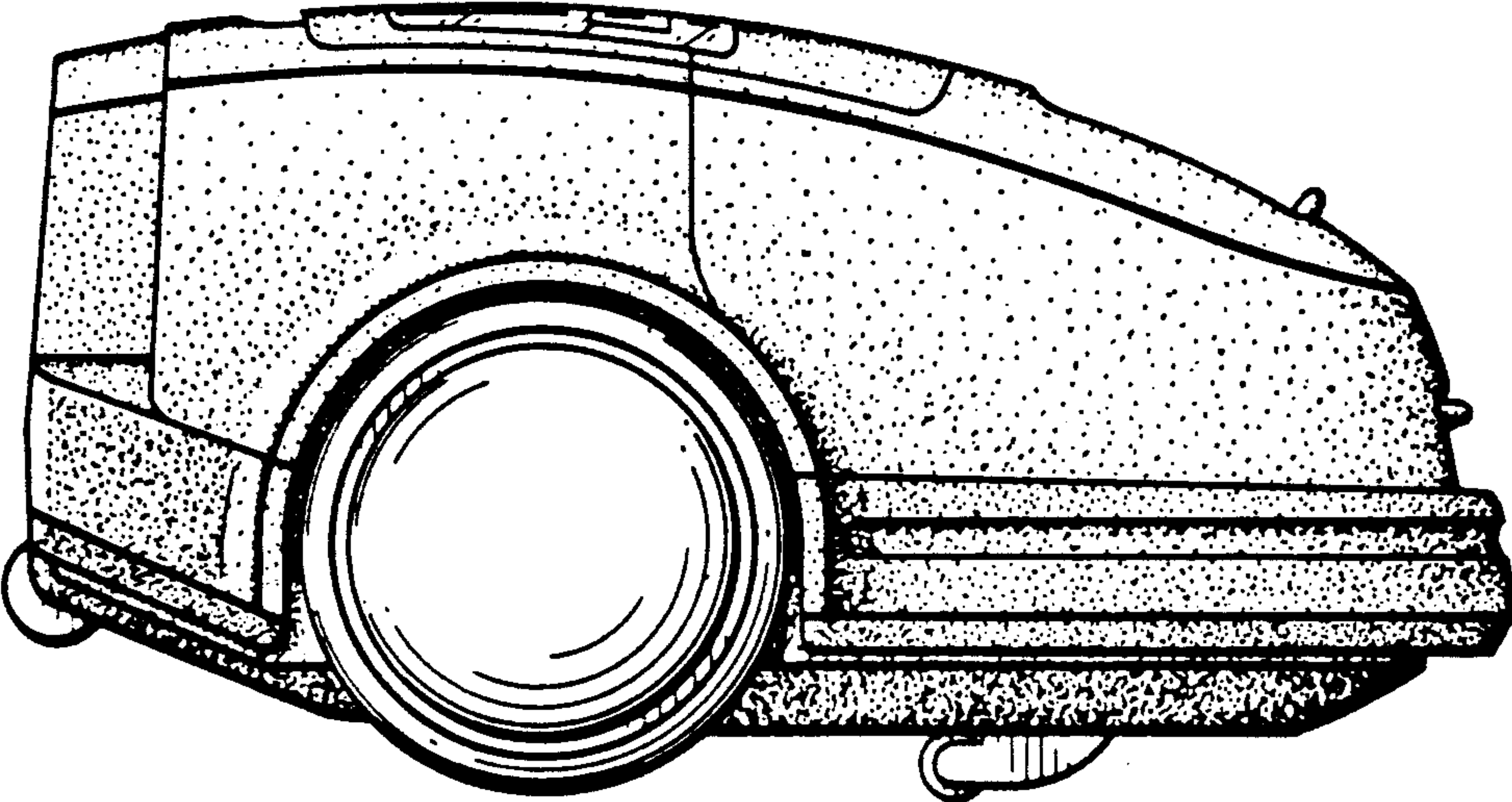


FIG. 7

