

[54] VACUUM CLEANER  
 [75] Inventors: Mafumi Ikeda; Chikashi Kuriya;  
 Mika Nakajima, all of Osaka, Japan  
 [73] Assignee: Sharp Corporation, Osaka, Japan  
 [\*\*] Term: 14 Years  
 [21] Appl. No.: 224,134  
 [22] Filed: Jul. 26, 1988

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 Jan. 28, 1988 [JP] Japan ..... 63-3154  
 [52] U.S. Cl. .... D32/21  
 [58] Field of Search ..... D32/21, 23-24;  
 15/327 R, 327 B, 327 D, 327 E, 327 F, 412,  
 301-302, 314-315, 320-323, 352-353

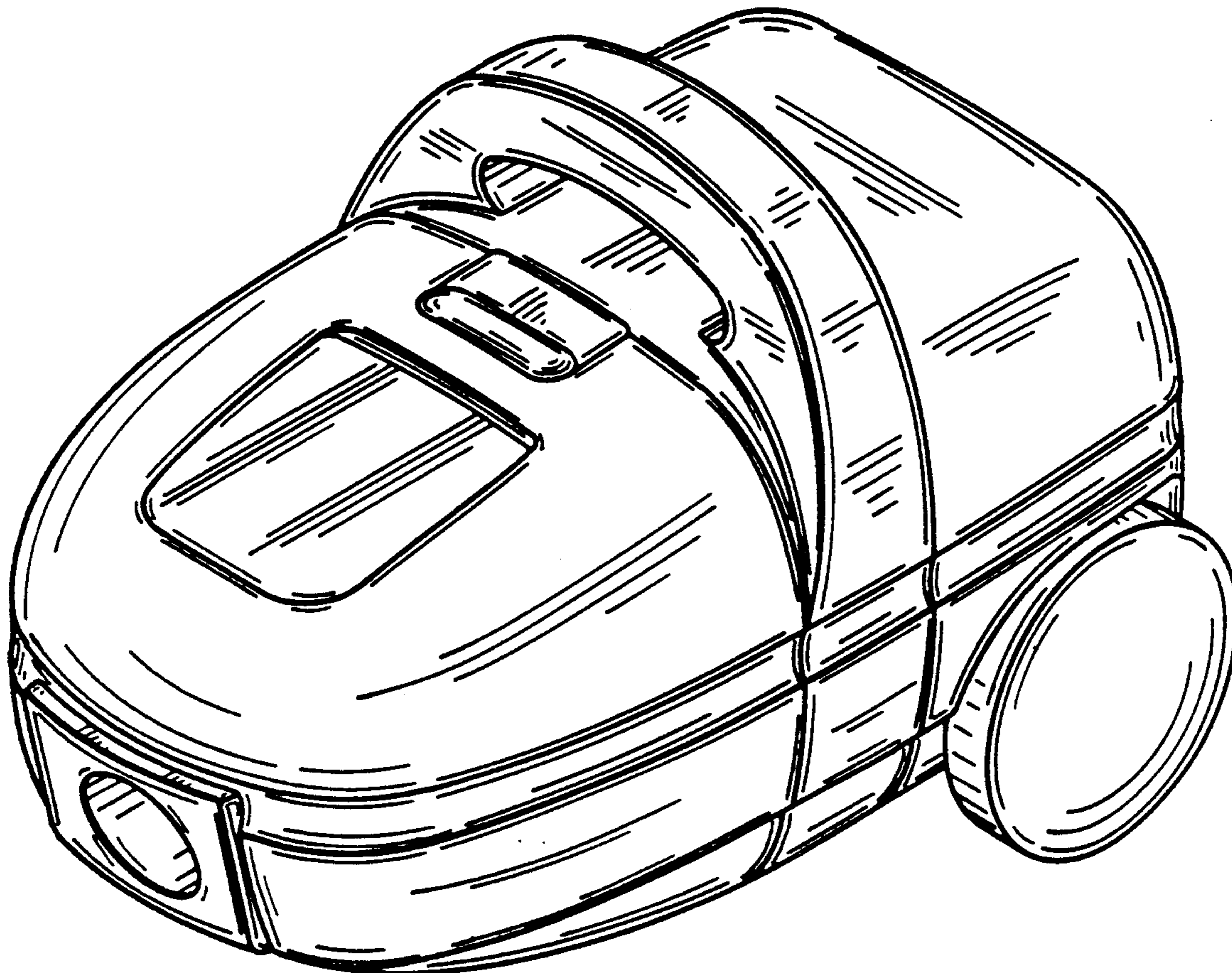
Primary Examiner—A. Hugo Word  
 Assistant Examiner—Doris V. Coles  
 Attorney, Agent, or Firm—Flehr, Hohbach, Test,  
 Albritton & Herbert

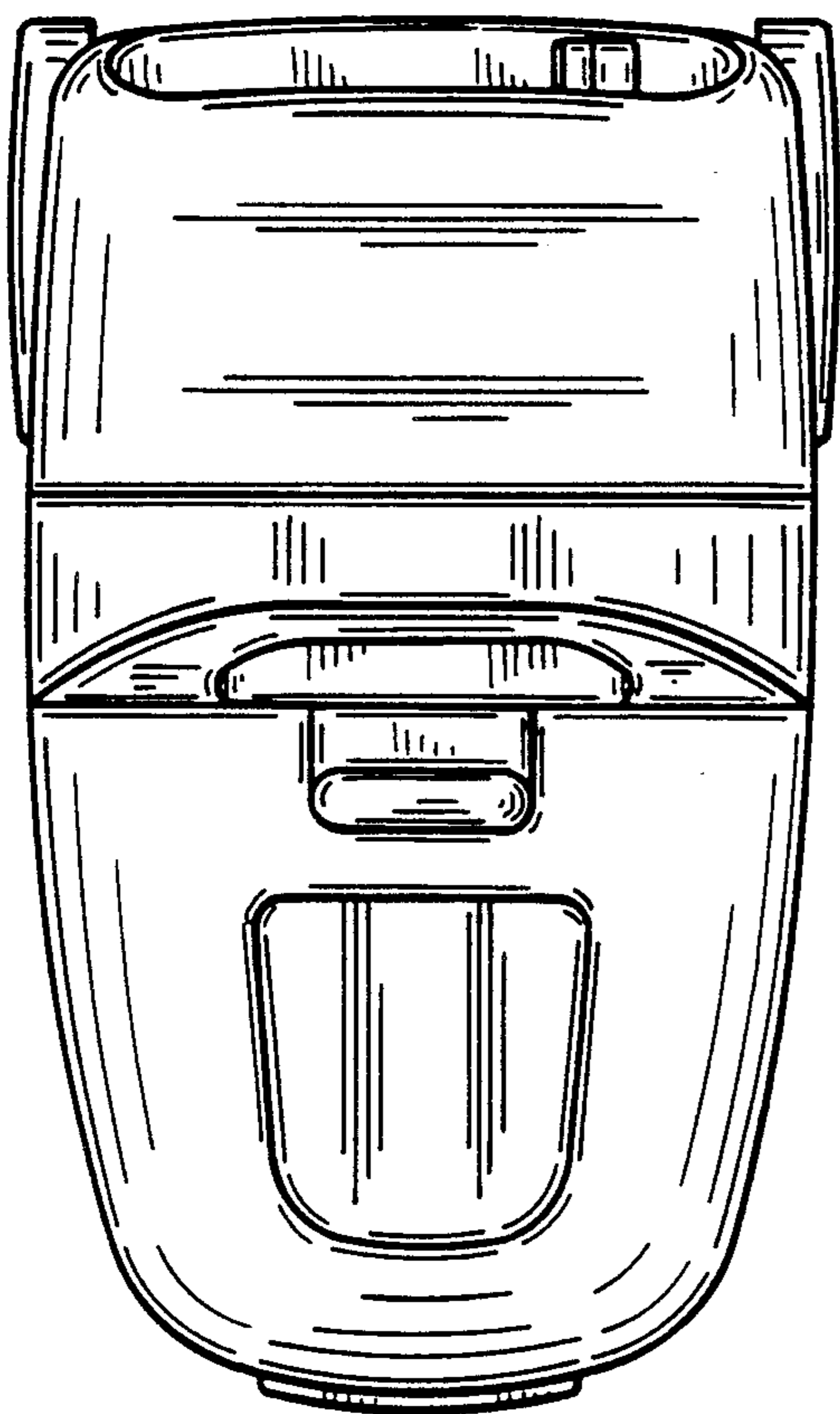
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[57] CLAIM  
 The ornamental design for a vacuum cleaner, as shown  
 and described.

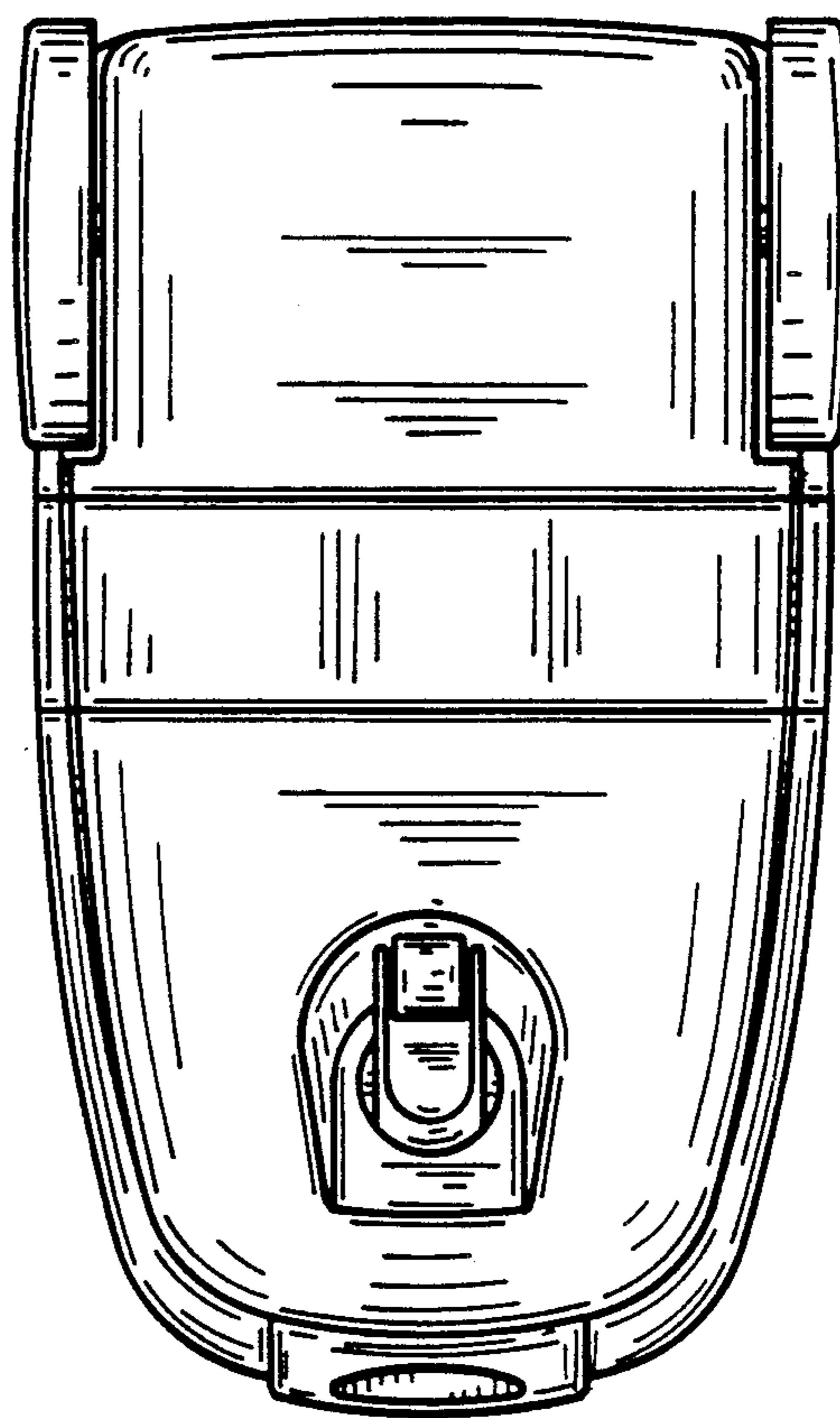
DESCRIPTION

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

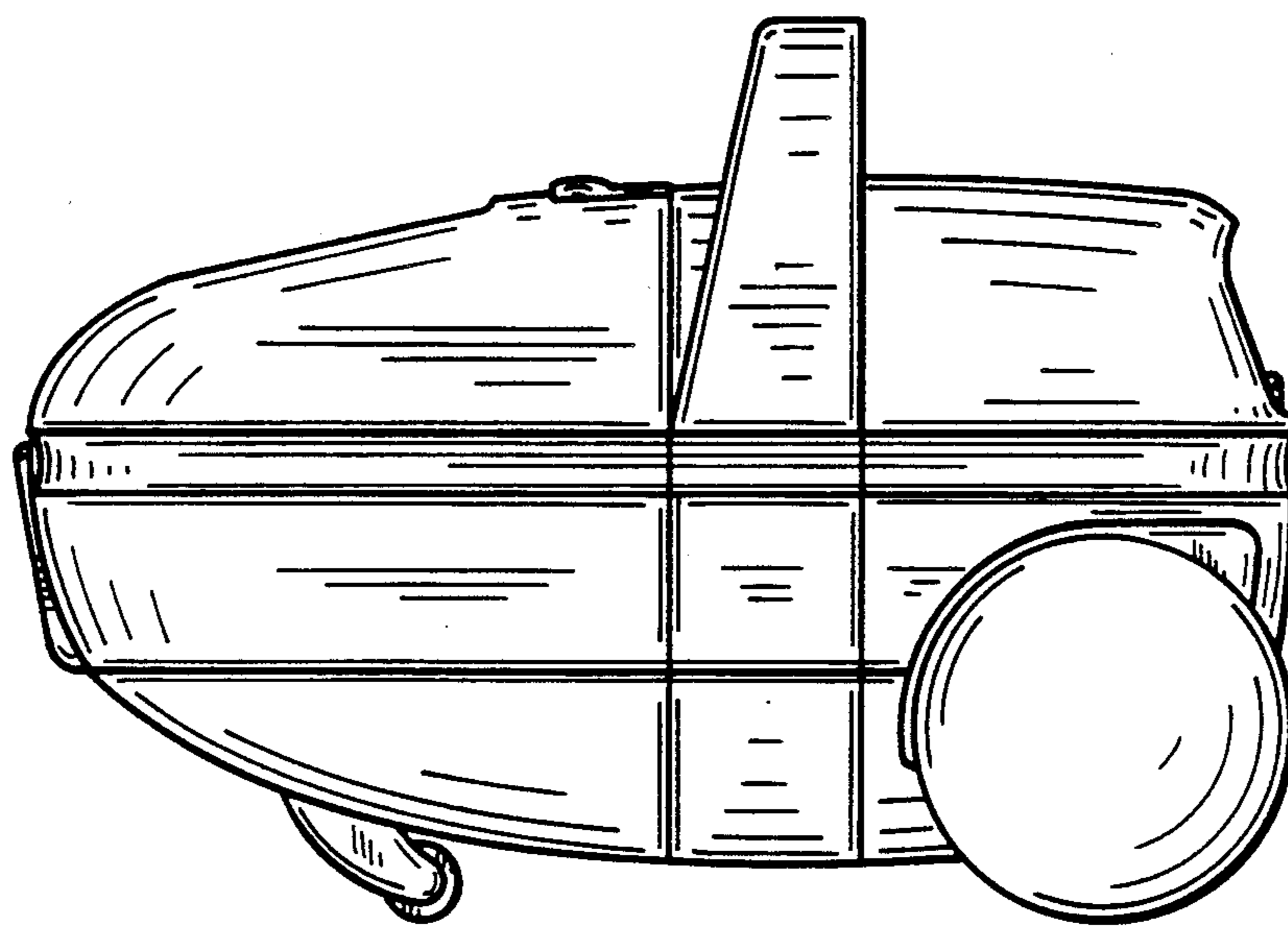




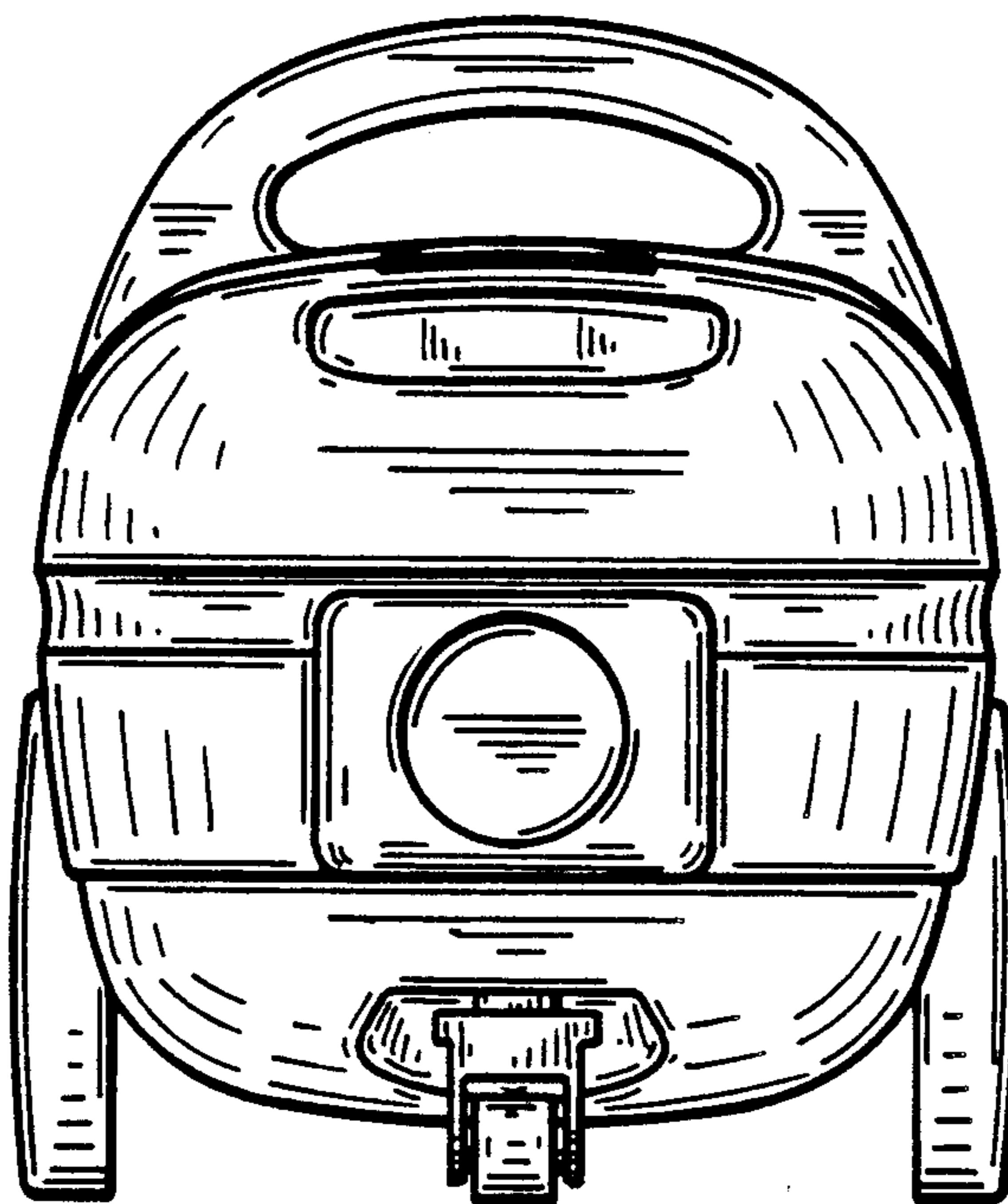
**FIG\_1**



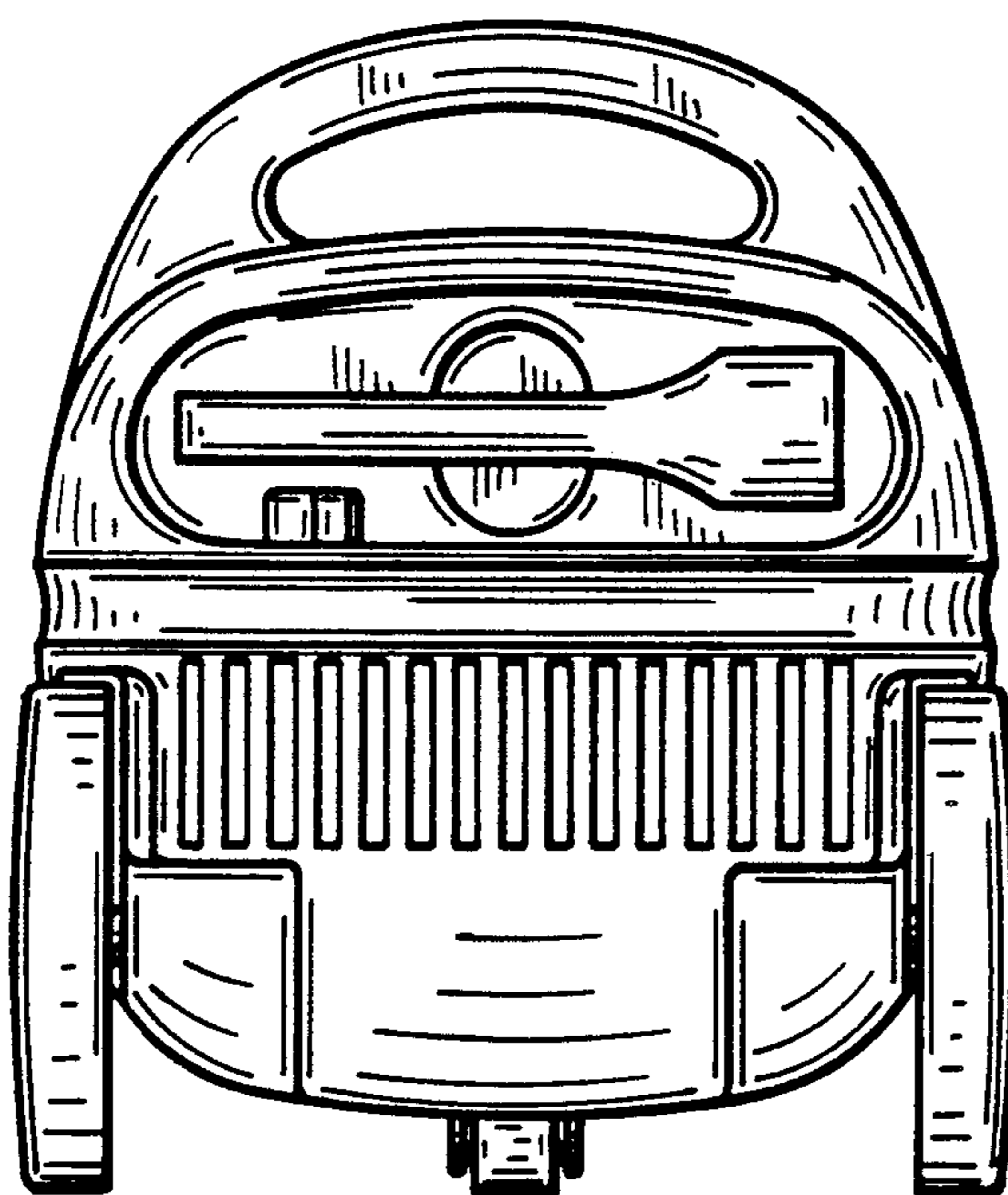
**FIG\_2**



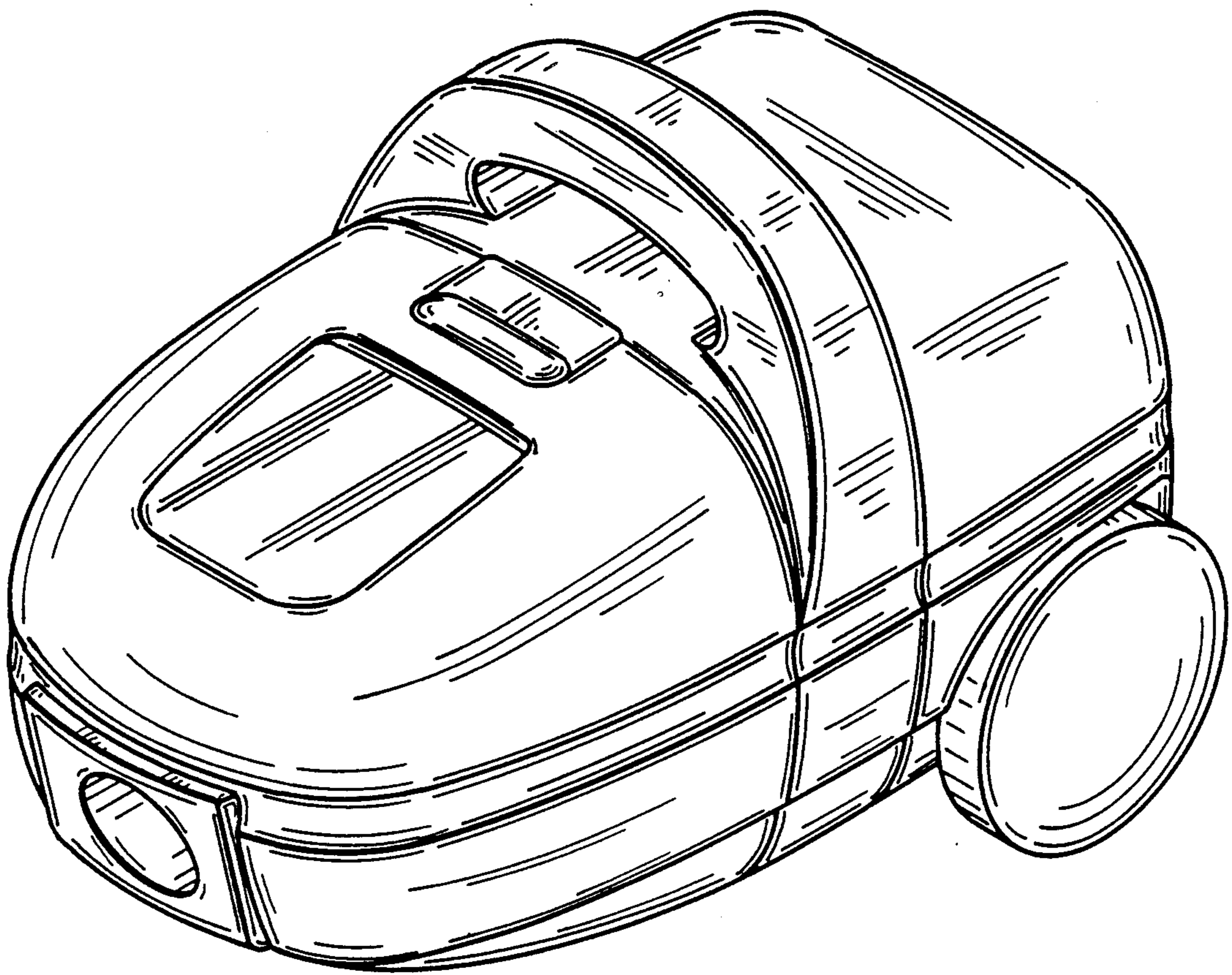
**FIG\_3**



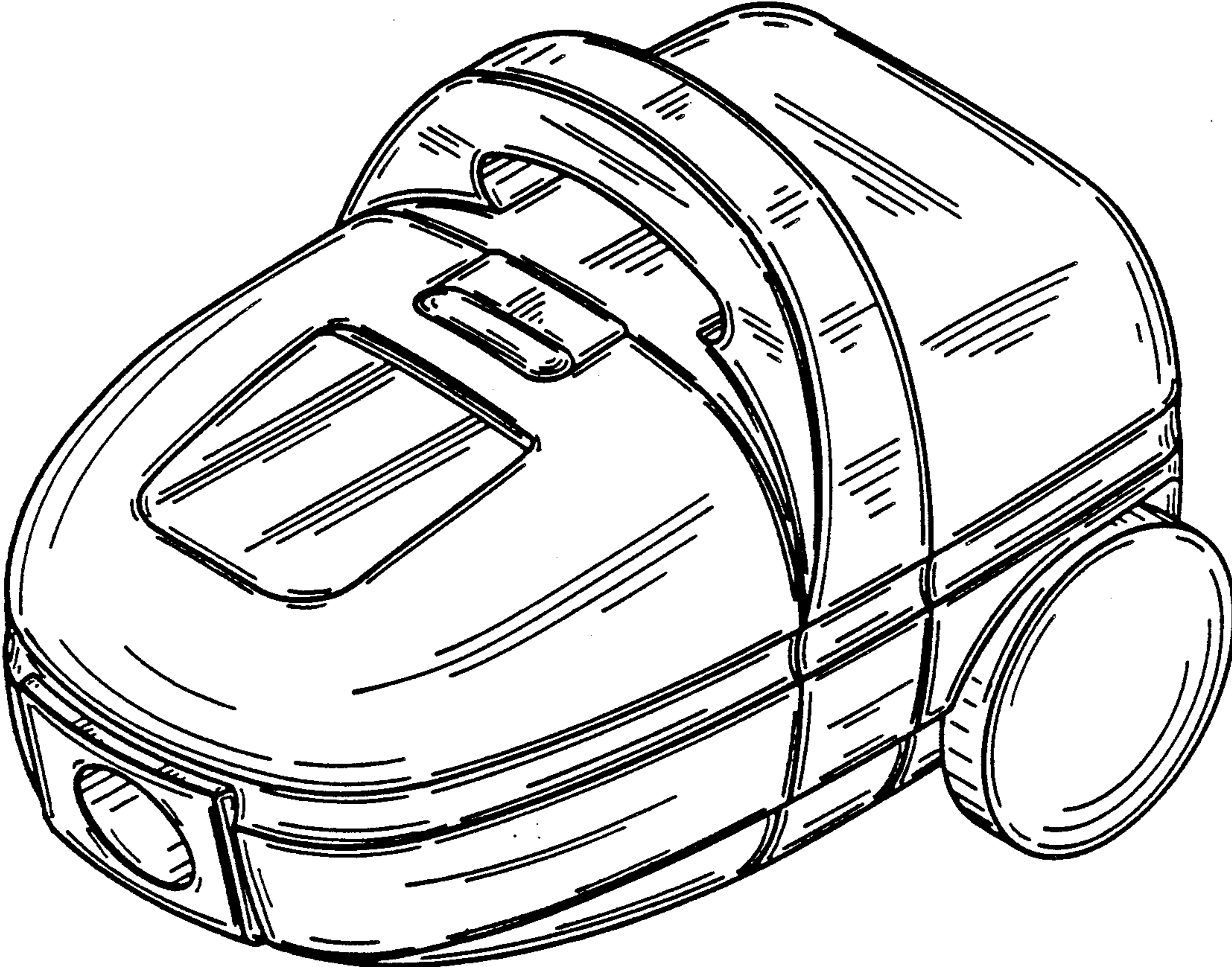
*FIG\_4*



*FIG\_5*



**FIG\_7**



**FIG\_6**