



US00D426356S

**United States Patent** [19]  
**Tsuruha**

[11] **Patent Number: Des. 426,356**  
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[54] **ELECTRIC VACUUM CLEANER**

[75] Inventor: **Toshiaki Tsuruha**, Osaka, Japan  
[73] Assignee: **Matsushita Electric Industrial Co., Ltd.**, Japan  
[\*\*] Term: **14 Years**  
[21] Appl. No.: **29/100,420**  
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[30] **Foreign Application Priority Data**

Aug. 31, 1998 [JP] Japan ..... 10-25063

[51] **LOC (7) Cl.** ..... **15-05**  
[52] **U.S. Cl.** ..... **D32/22**  
[58] **Field of Search** ..... D32/17-18, 21-22,  
D32/25, 30-34, 38, 51; 15/320-321, 323-334,  
329, 344, 347, 349, 350-353, 410, 412

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 309,204 7/1990 Sovis et al. .... D32/22  
D. 371,654 7/1996 WoRwag ..... D32/22  
D. 380,882 7/1997 Rorke et al. .... D32/22  
D. 398,097 9/1998 Murphy et al. .... D32/22  
5,285,550 2/1994 Meyer et al. .... 15/328

**FOREIGN PATENT DOCUMENTS**

832443 3/1992 Japan .  
974200 2/1997 Japan .  
977964 3/1997 Japan .  
1002541 2/1998 Japan .  
1013081 6/1998 Japan .

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[57] **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of the top, front and right side of an electric vacuum cleaner showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a right side view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom view thereof; and,  
FIG. 8 is a perspective view of the motor housing removed from the stick portion for clarity of illustration.

**1 Claim, 3 Drawing Sheets**

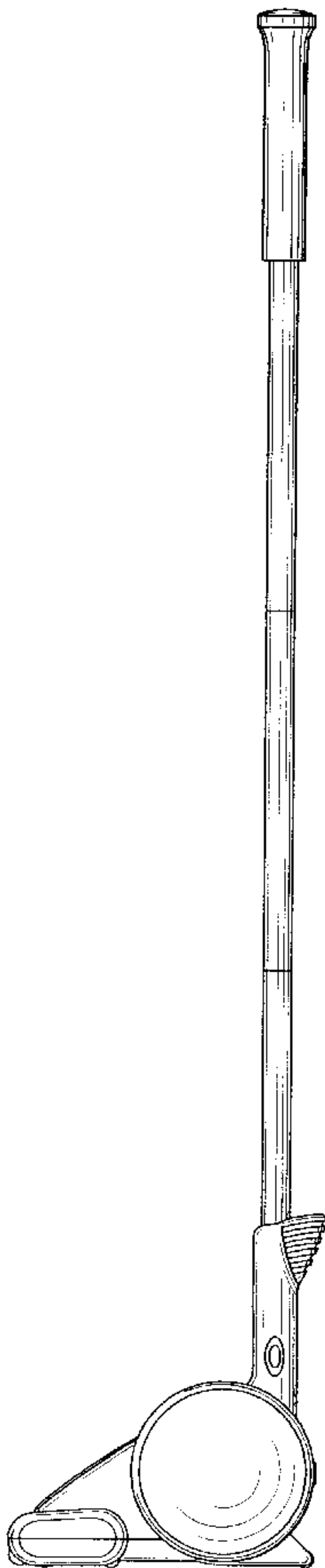
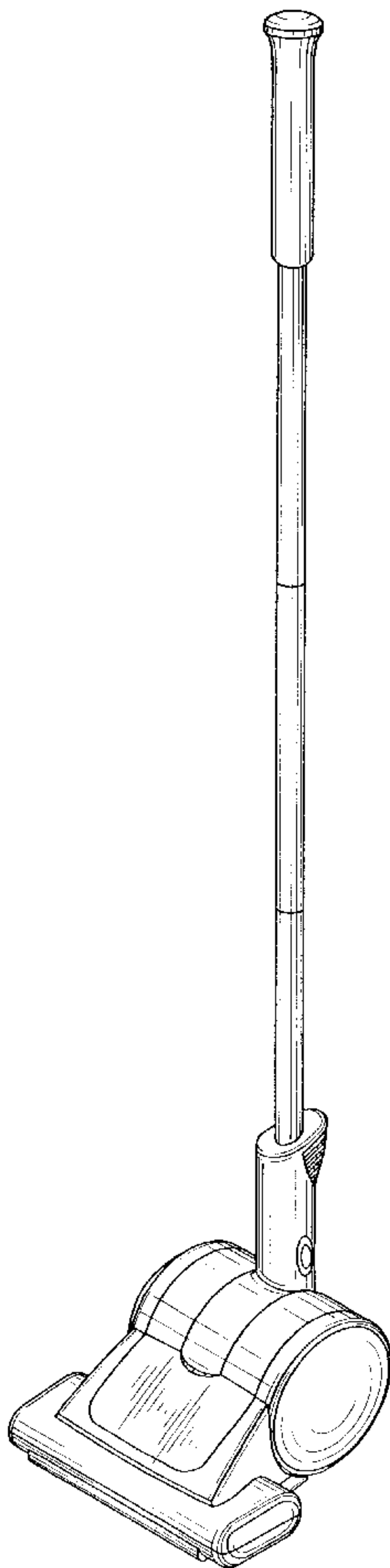


FIG. 1

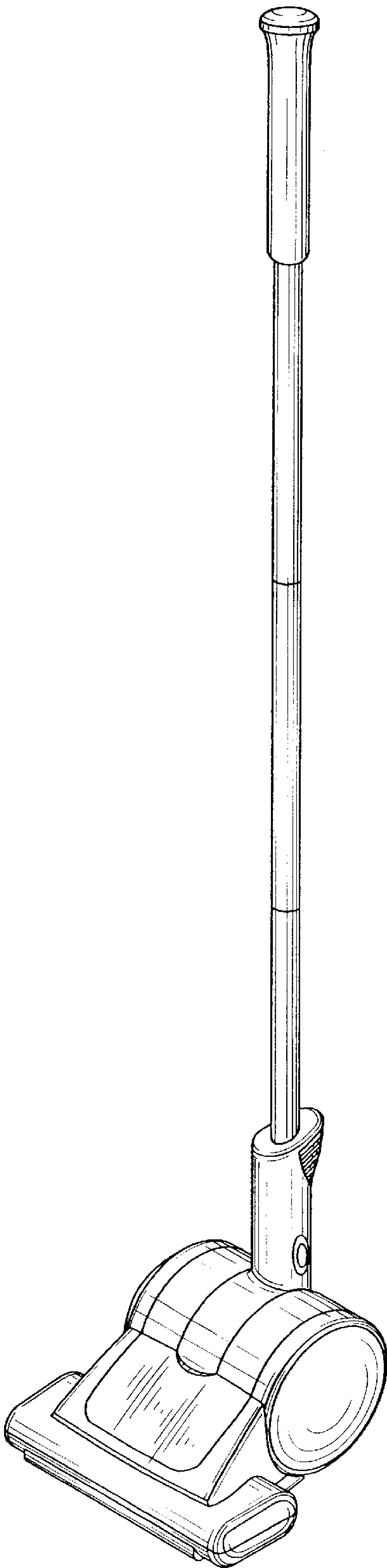


FIG. 2

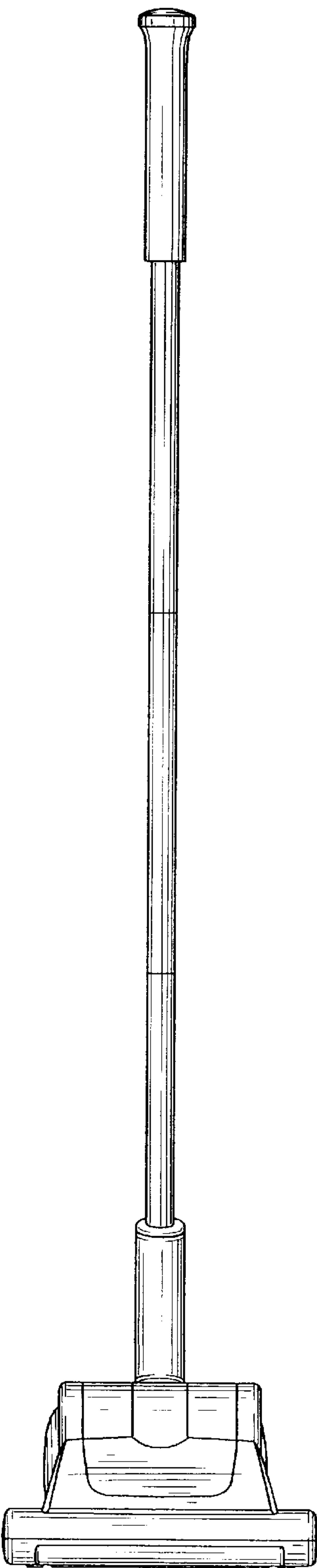


FIG. 3

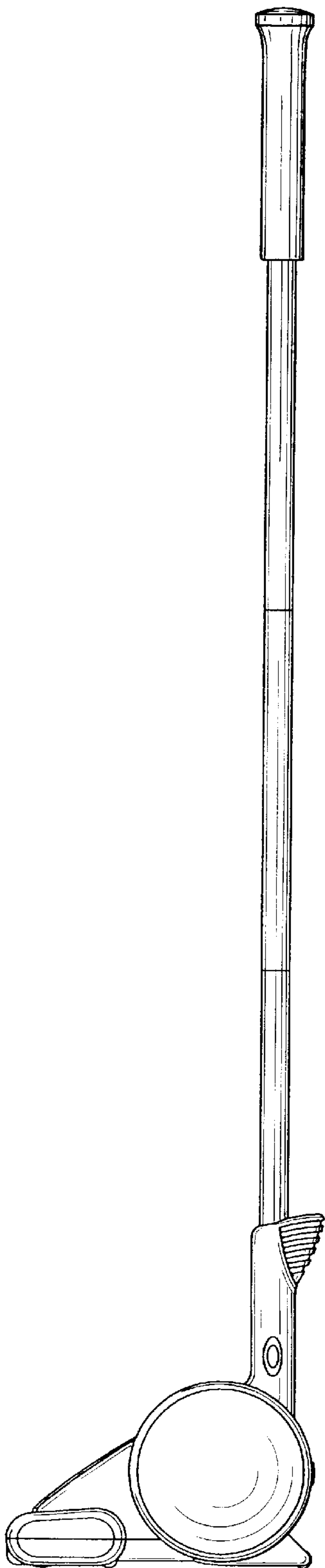


FIG. 4

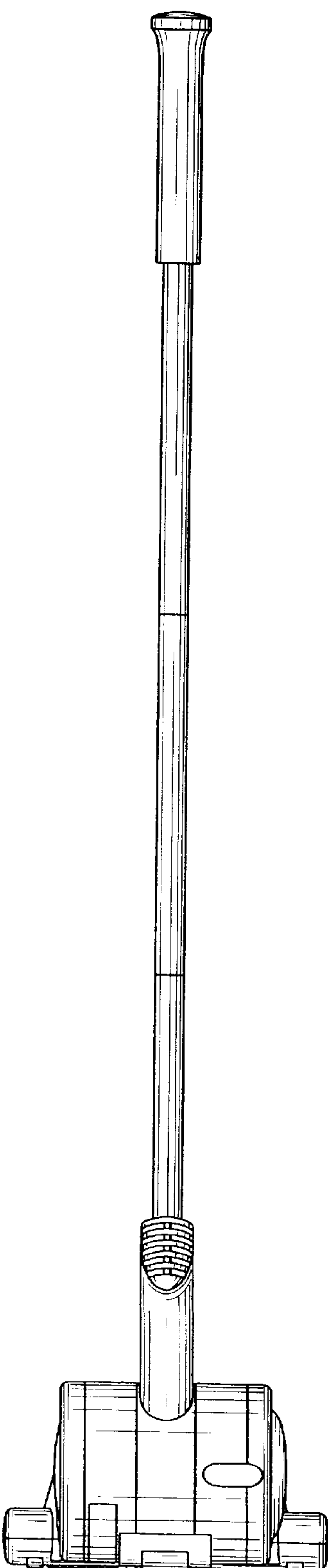


FIG. 5

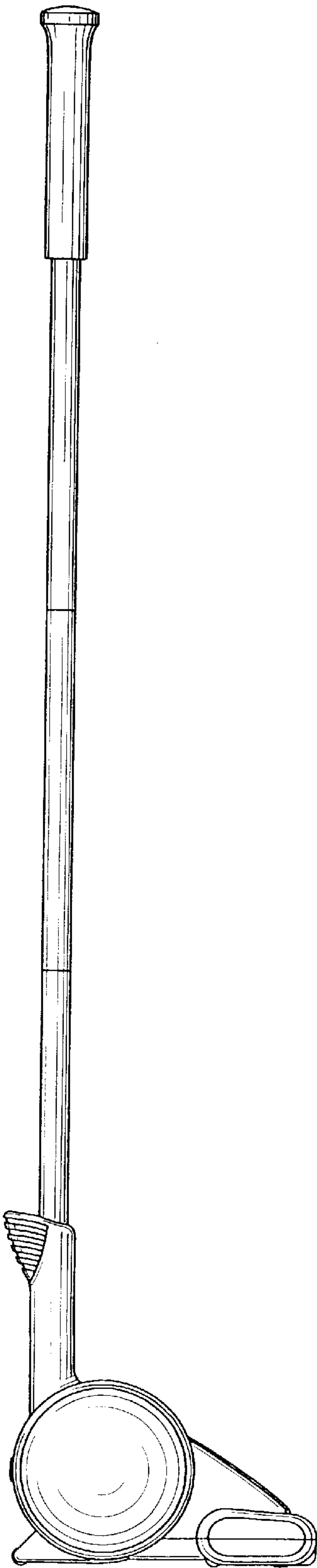


FIG. 6

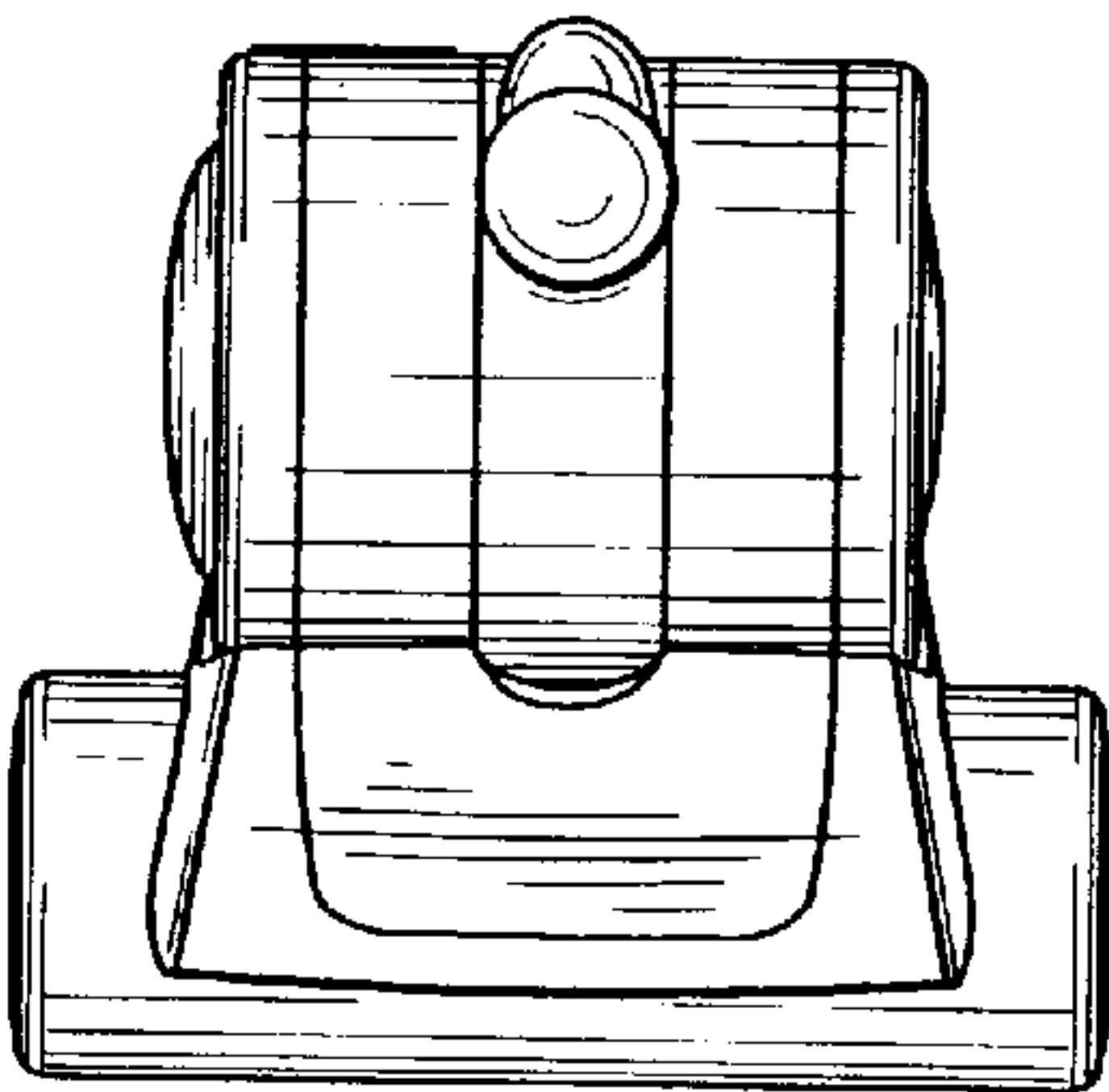


FIG. 7

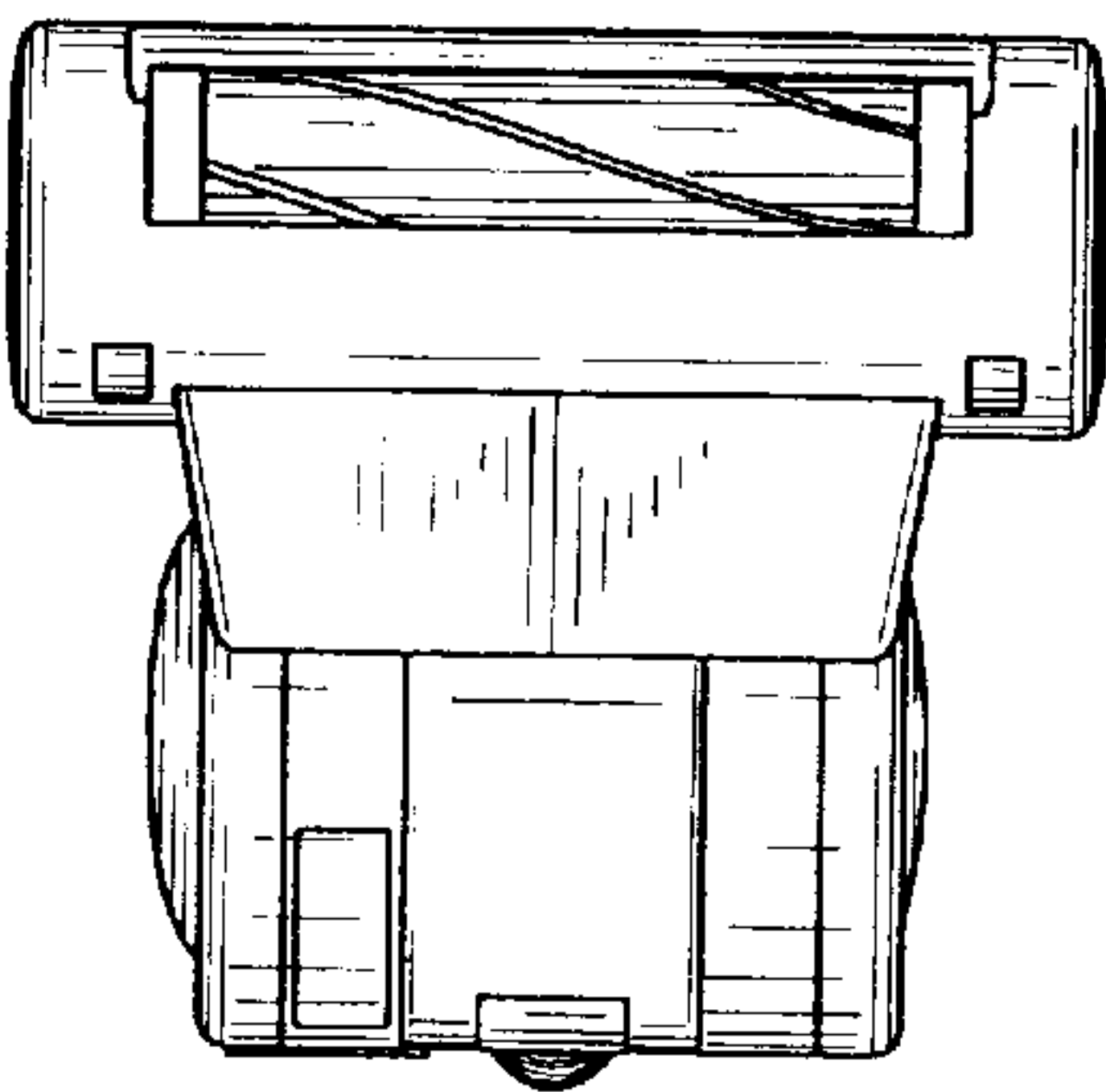


FIG. 8

