



US00D348548S

# United States Patent [19]

[11] Patent Number: **Des. 348,548**

Pino

[45] Date of Patent: **\*\* Jul. 5, 1994**

## [54] VACUUM CLEANER

[76] Inventor: **Giovanni Pino**, 951 Cherry, 3rd Fl., Grand Rapids, Mich. 49506

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

[21] Appl. No.: **927,182**

[22] Filed: **Aug. 7, 1992**

[52] U.S. Cl. .... **D32/18**

[58] Field of Search ..... 15/328, 329, 338, 344; D32/17, 18, 21

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Primary Examiner—Ruth McInroy

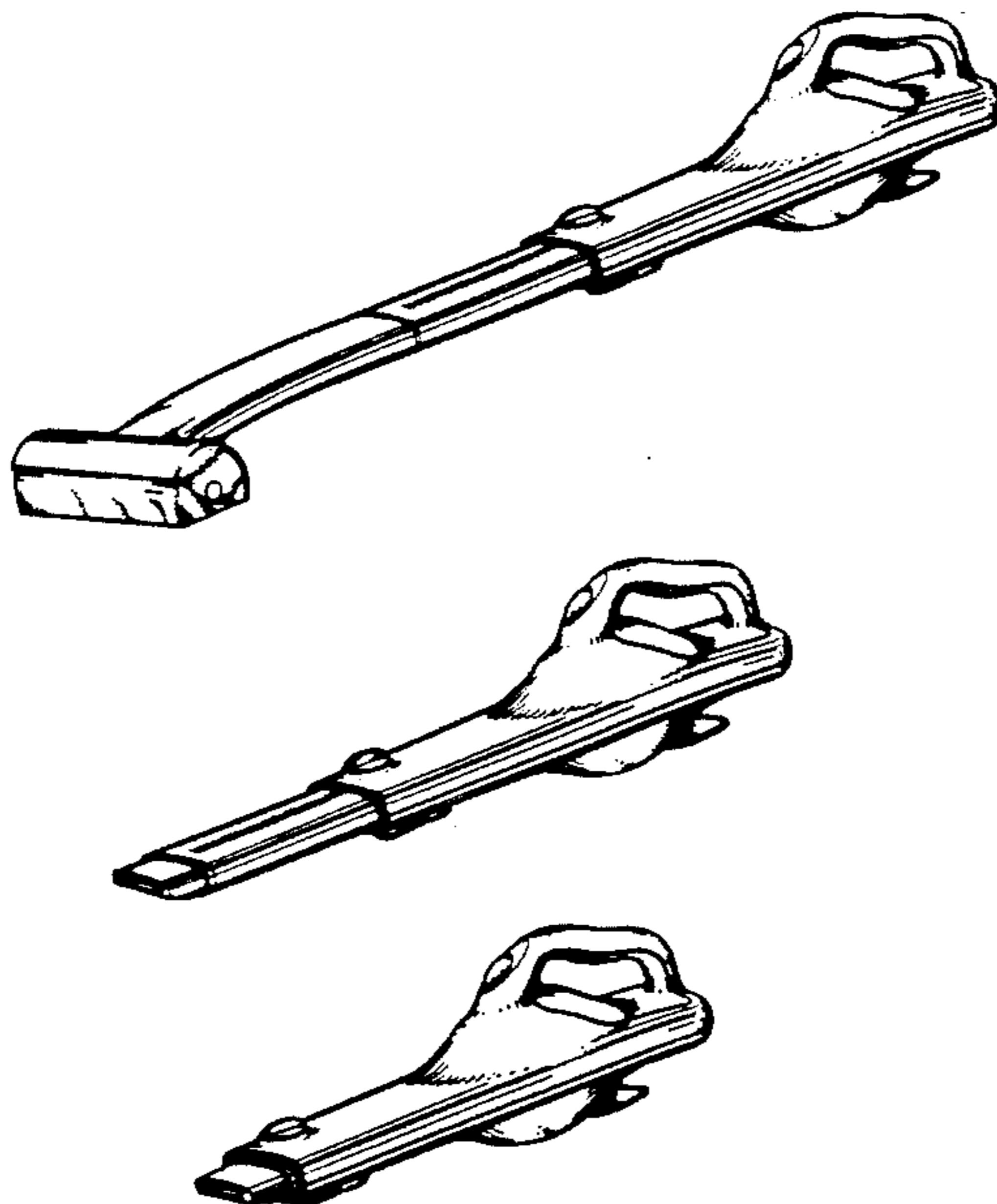
Attorney, Agent, or Firm—Price, Heneveld, Cooper, DeWitt & Litton

### [57] CLAIM

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

### DESCRIPTION

FIG. 1 is an oblique view of one embodiment of a vacuum cleaner, showing my new design;  
 FIG. 2 is a side elevational view thereof, the side opposite being a mirror image of that shown;  
 FIG. 3 is a bottom plan view thereof;  
 FIG. 4 is a top plan view thereof;  
 FIG. 5 is a rear elevational view of the convertible vacuum cleaner;  
 FIG. 6 is a front elevational view thereof;  
 FIG. 7 is an oblique view of a second embodiment of a convertible vacuum cleaner;  
 FIG. 8 is a side elevational view of the vacuum in FIG. 7 with the opposite side being a mirror image thereof;  
 FIG. 9 is a bottom plan view of the vacuum in FIG. 7;  
 FIG. 10 is a top plan view of the vacuum in FIG. 7;  
 FIG. 11 is a rear elevational view of the vacuum in FIG. 7;  
 FIG. 12 is a front elevational view of the vacuum in FIG. 7;  
 FIG. 13 is an oblique view of a third embodiment of the convertible vacuum cleaner;  
 FIG. 14 is a side elevational view of the vacuum with the opposite side being a mirror image thereof of FIG. 13;  
 FIG. 15 is a bottom plan view of the vacuum shown in FIG. 13;  
 FIG. 16 is a top plan view of the vacuum shown in FIG. 13; and,  
 FIG. 17 is a rear elevational view thereof.  
 The electric cord is shown broken away in FIGS. 2-5, 8-11 and 14-17 and is understood to represent indeterminate length.



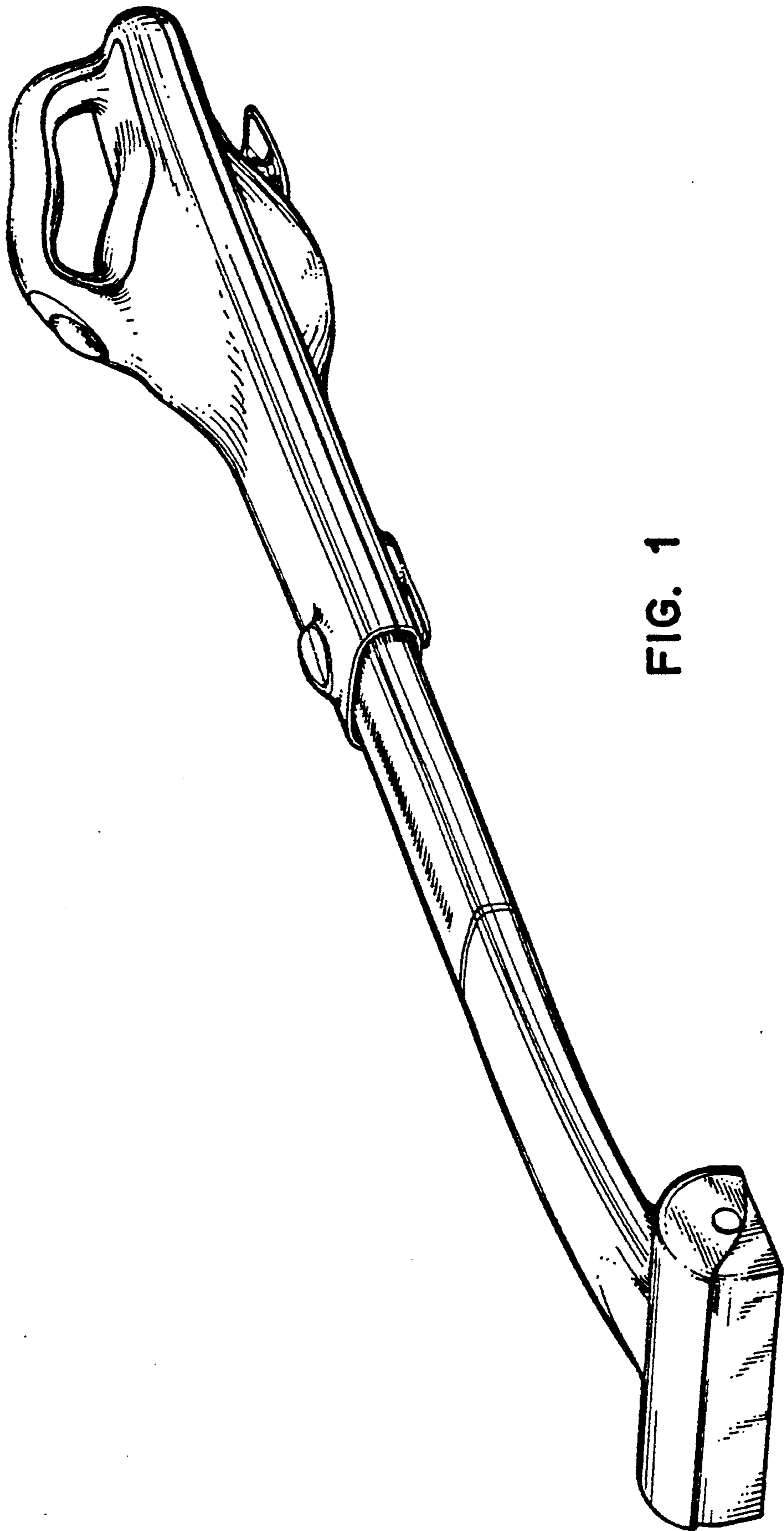


FIG. 1

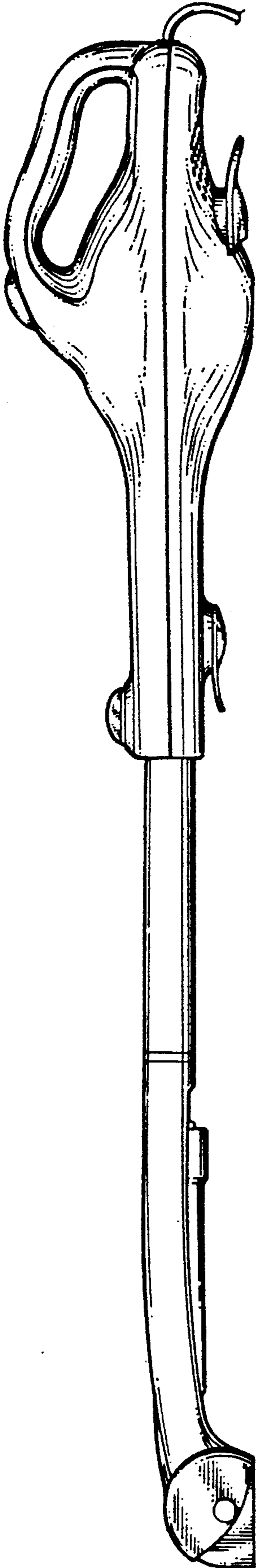


FIG. 2

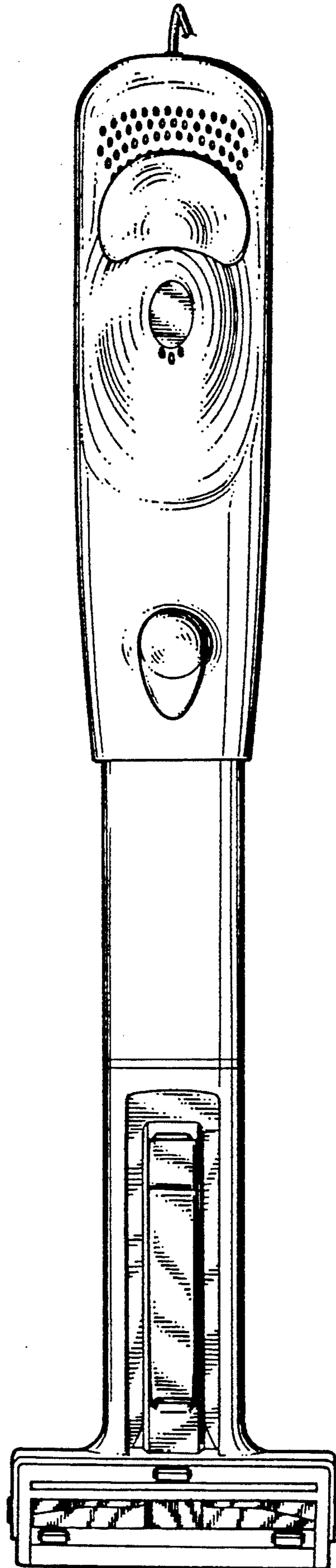


FIG. 3

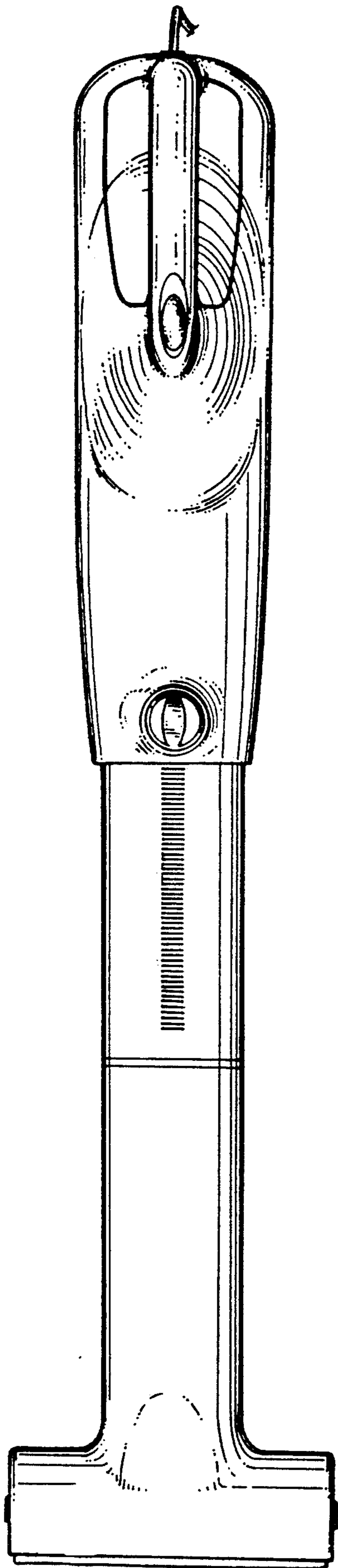


FIG. 4

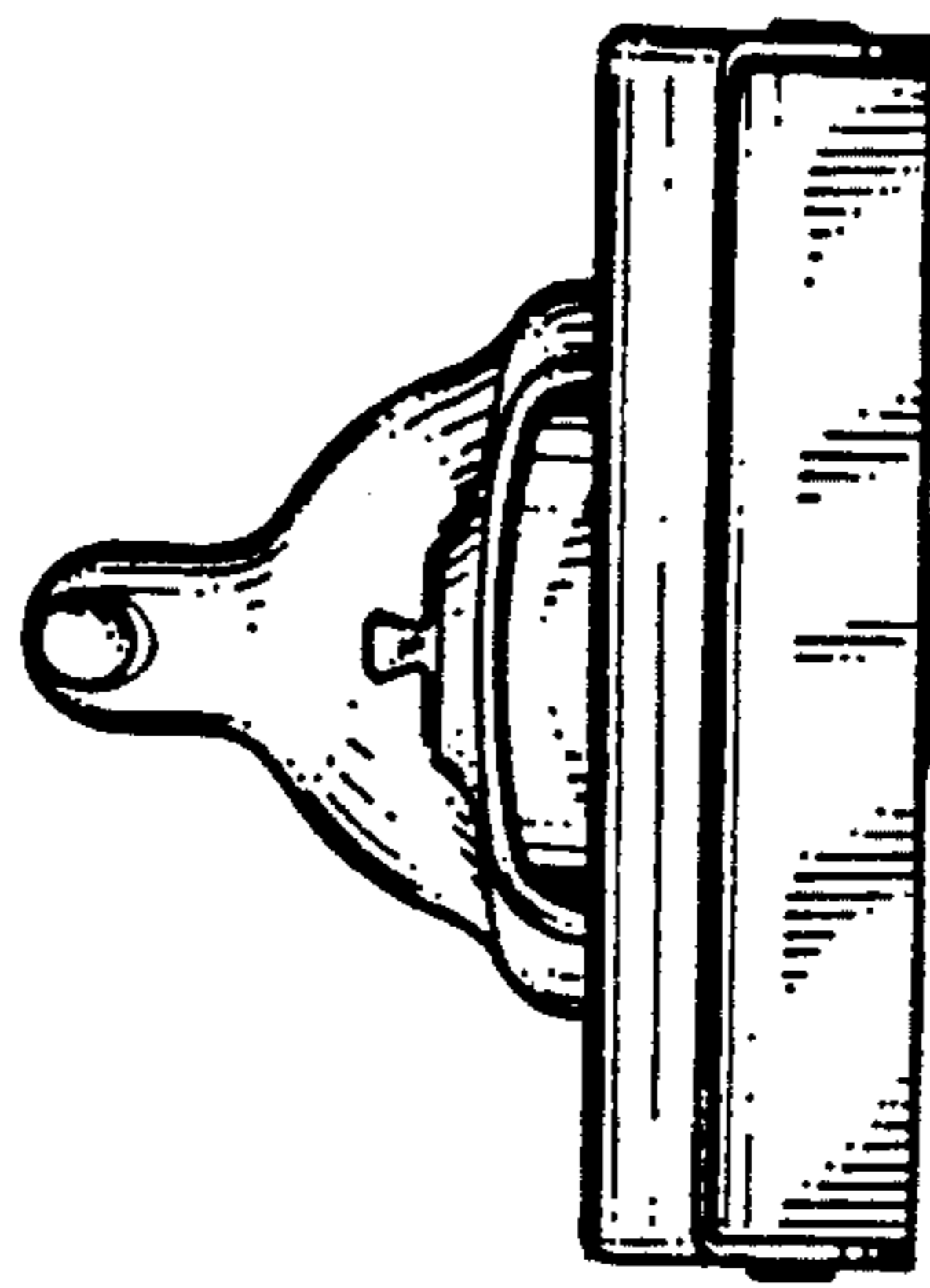


FIG. 6

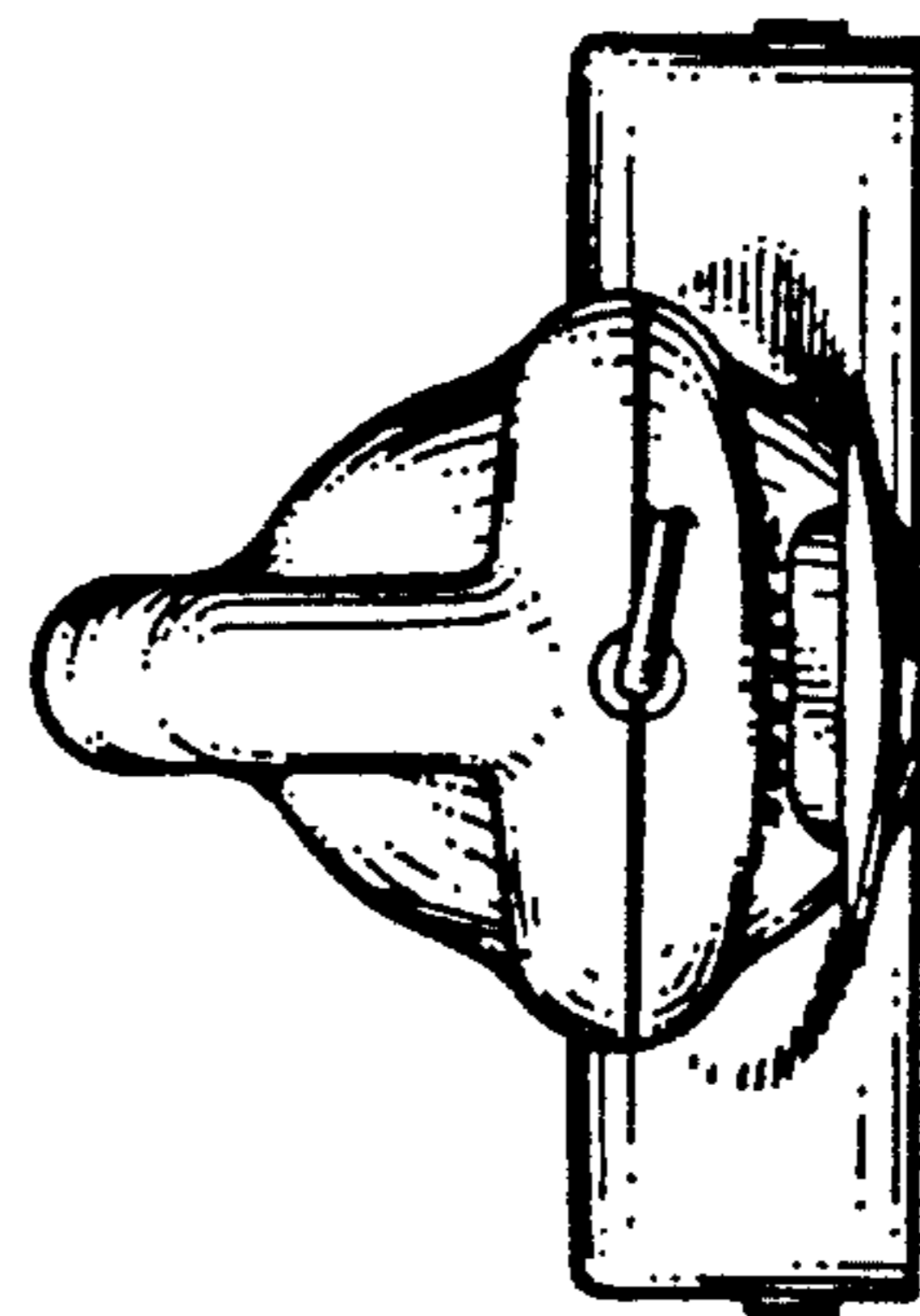


FIG. 5

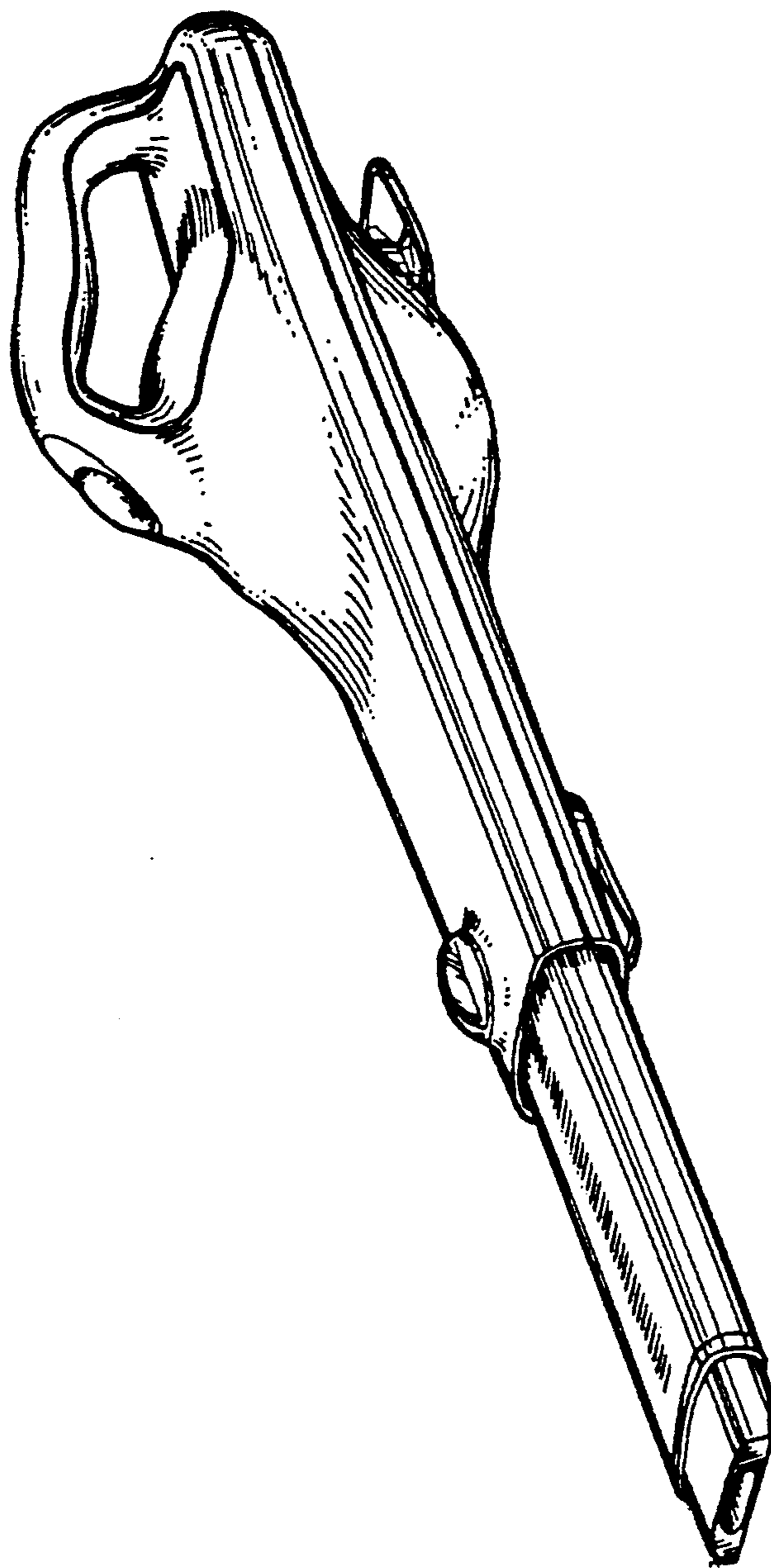


FIG. 7

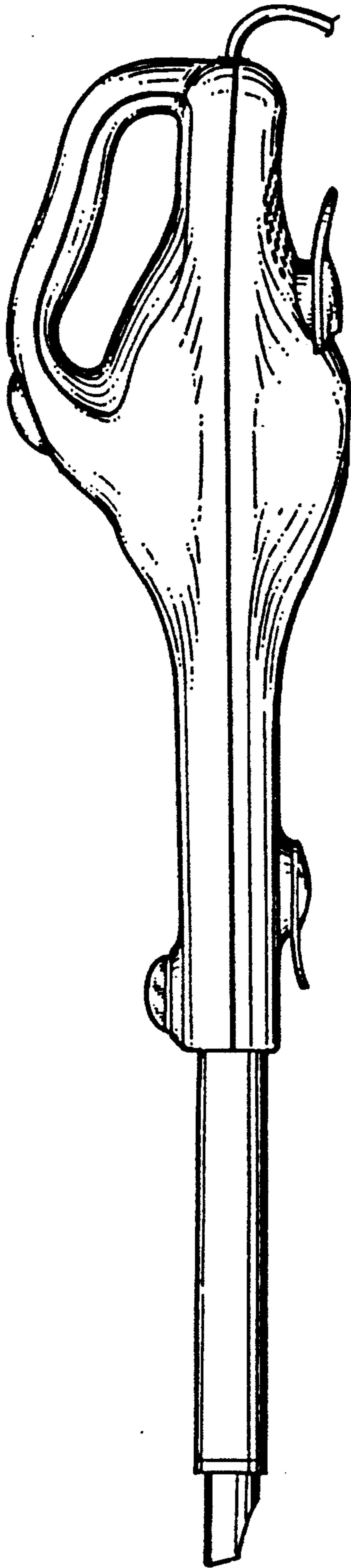


FIG. 8

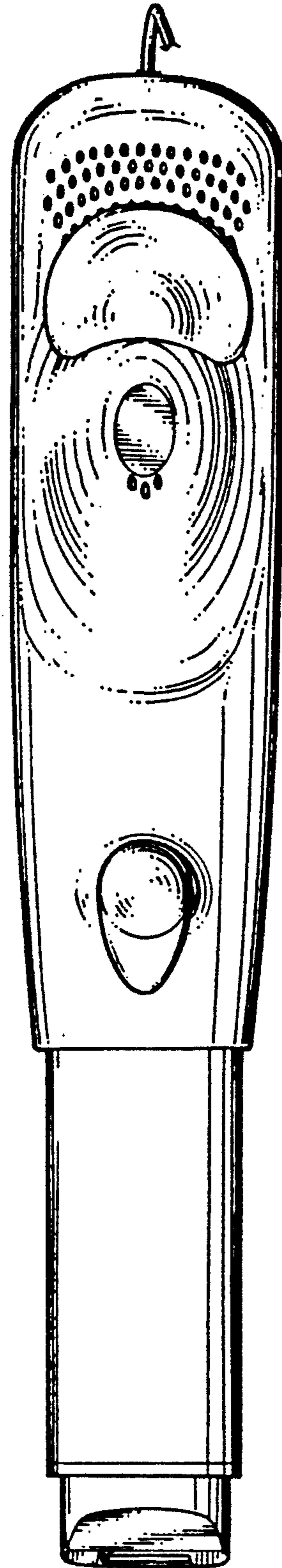


FIG. 9

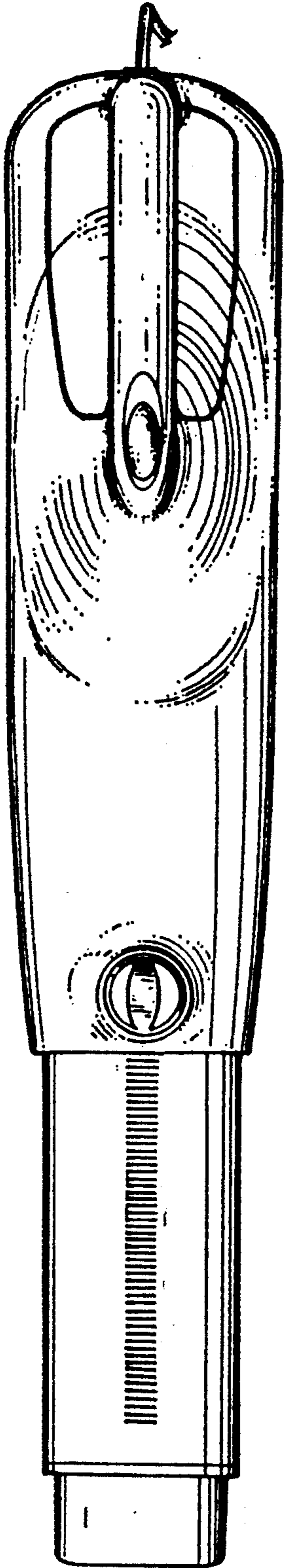


FIG. 10

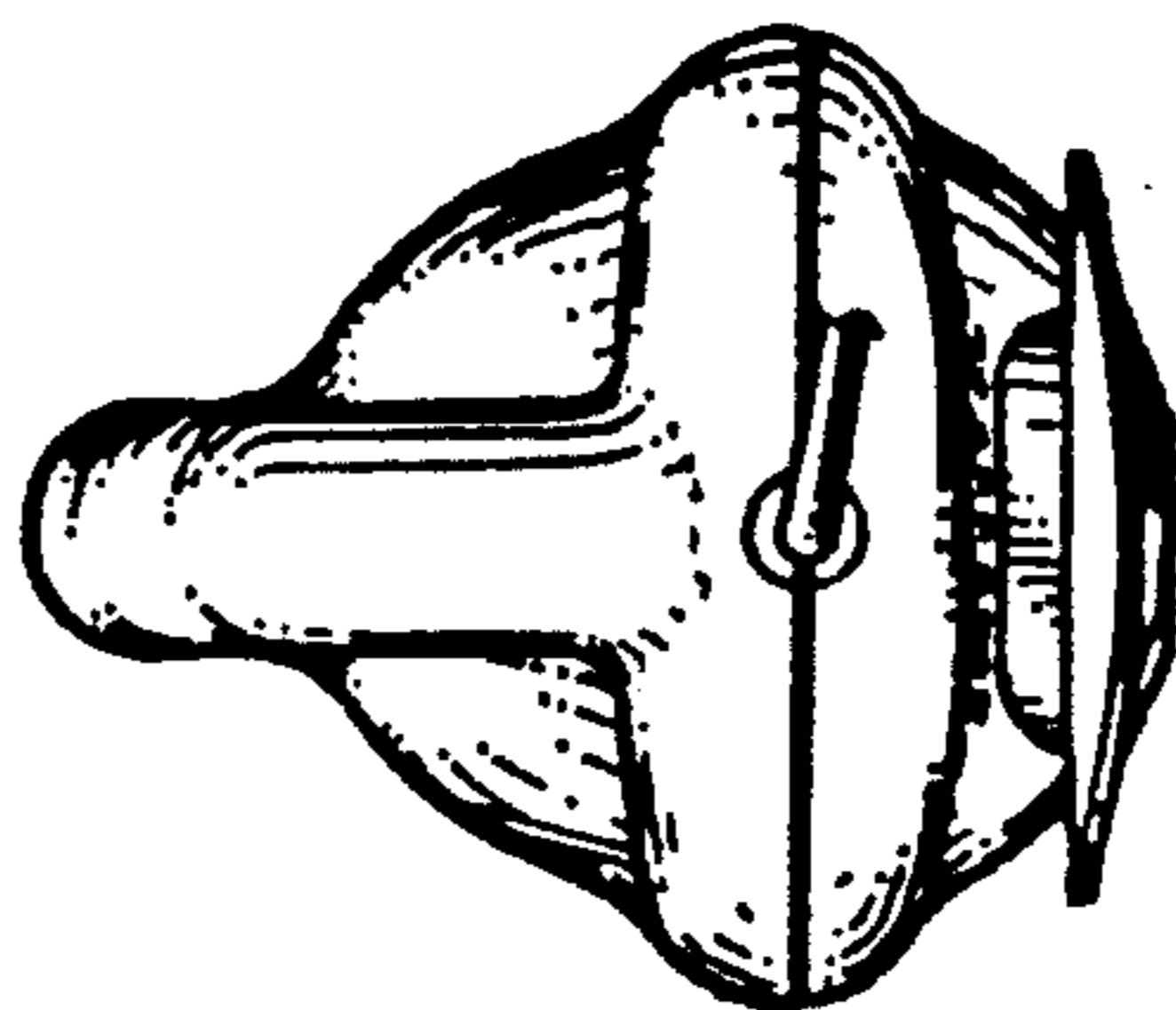


FIG. 11

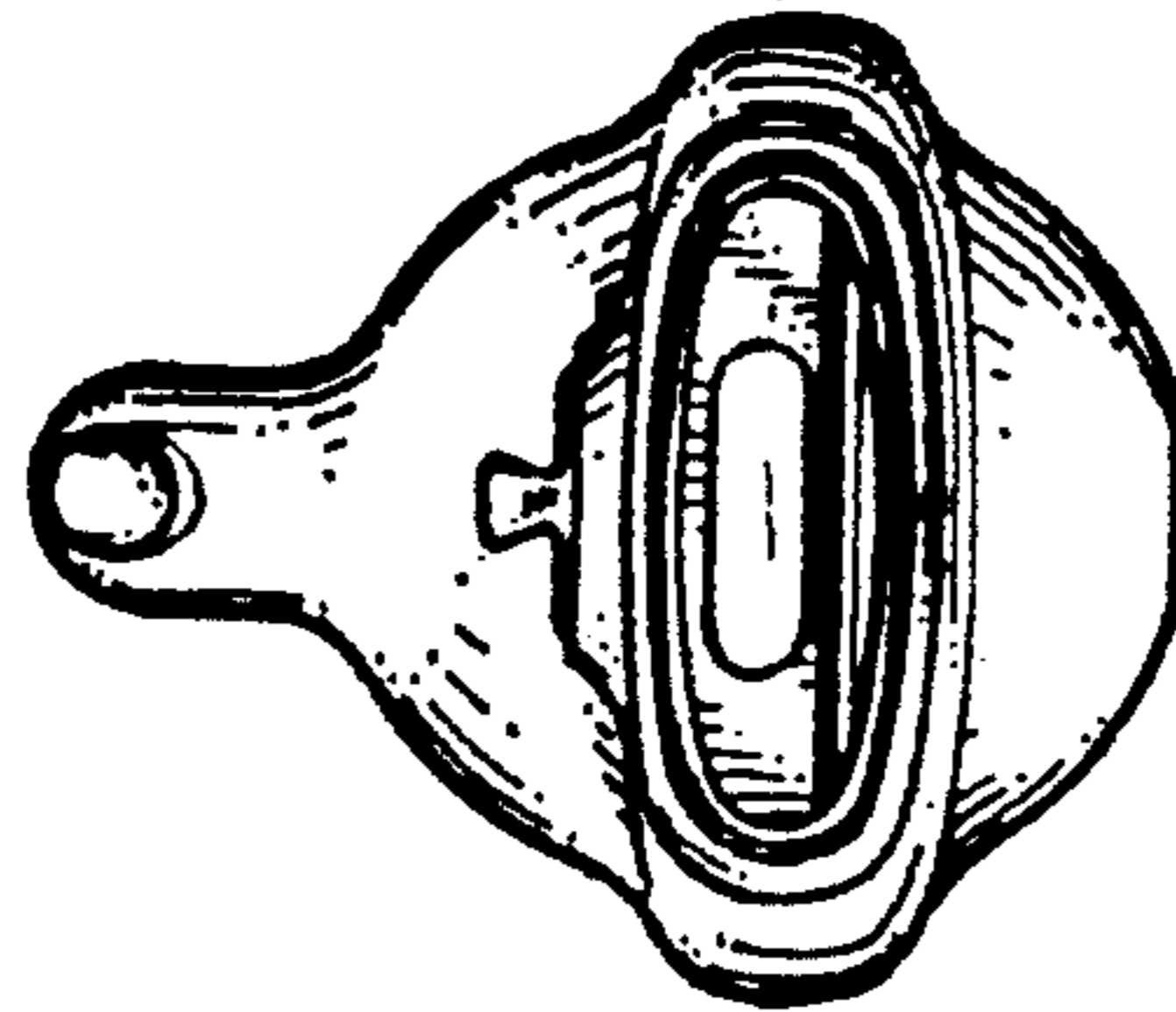


FIG. 12

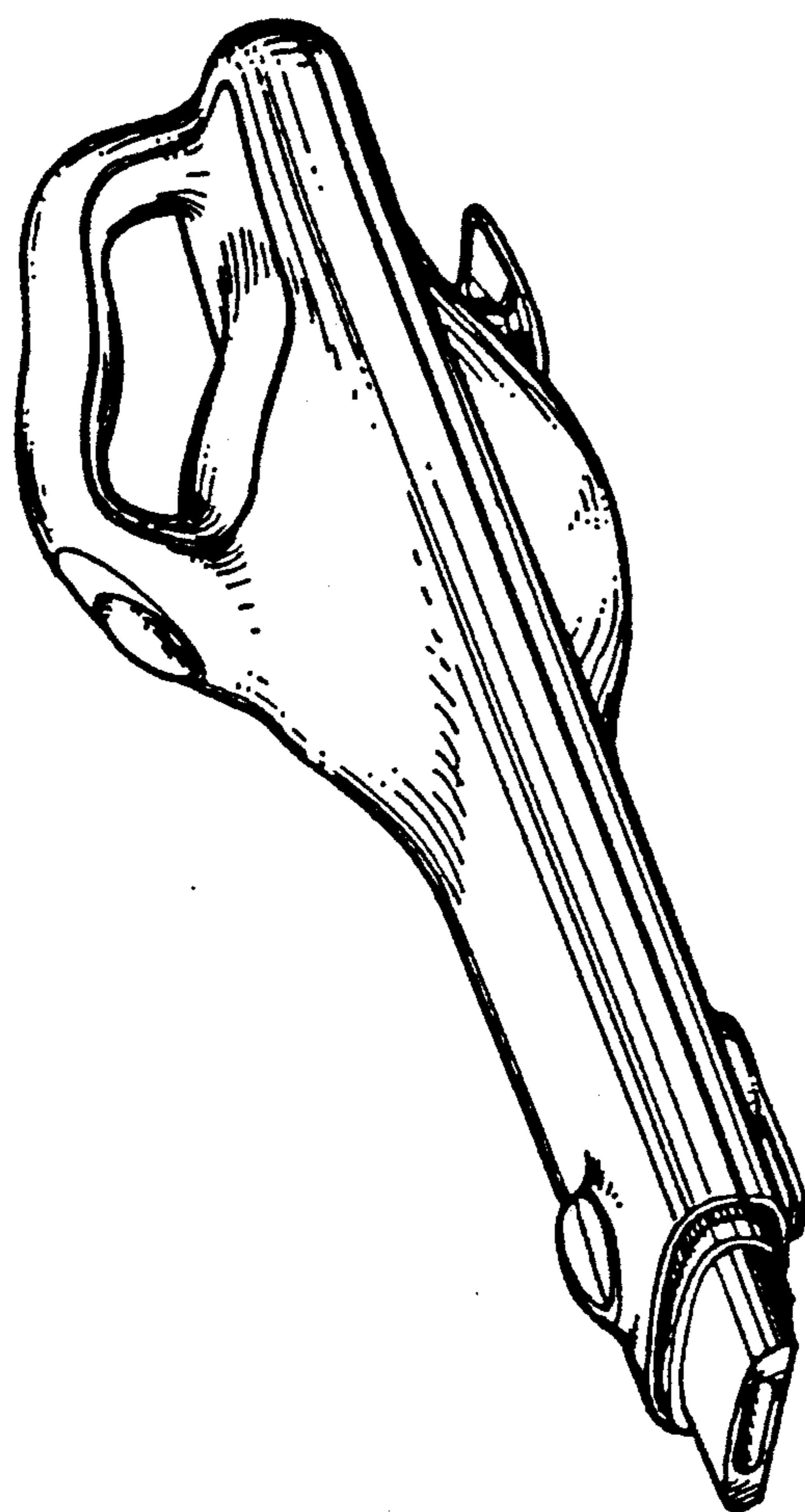


FIG. 13



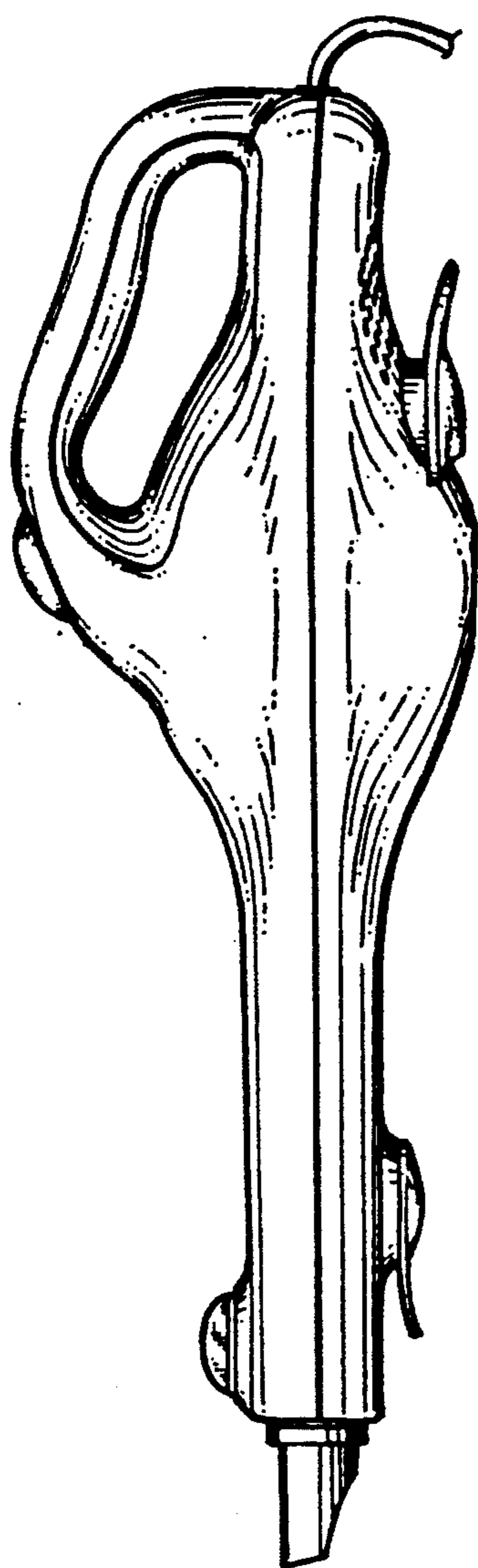


FIG. 14

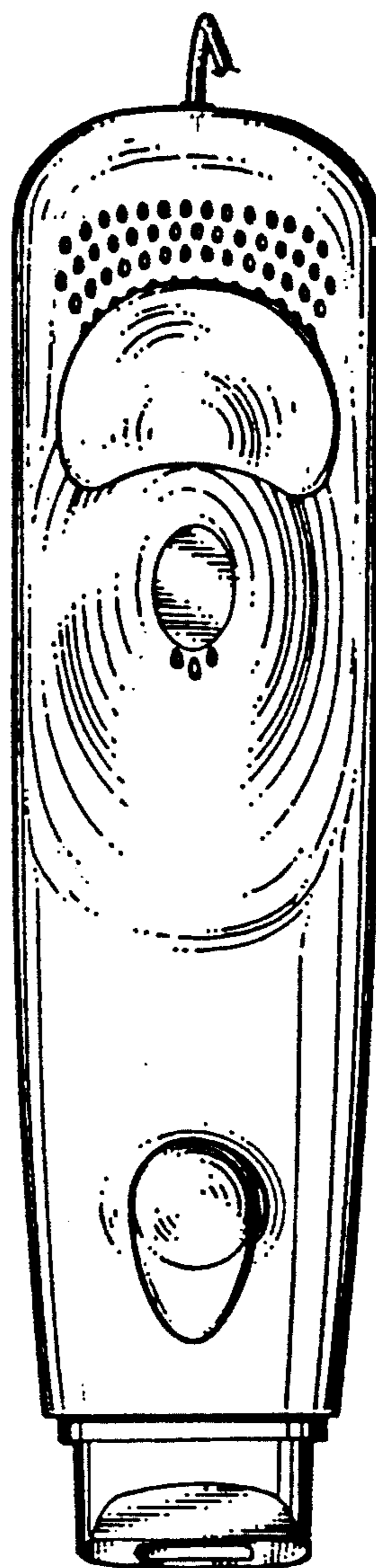


FIG. 15

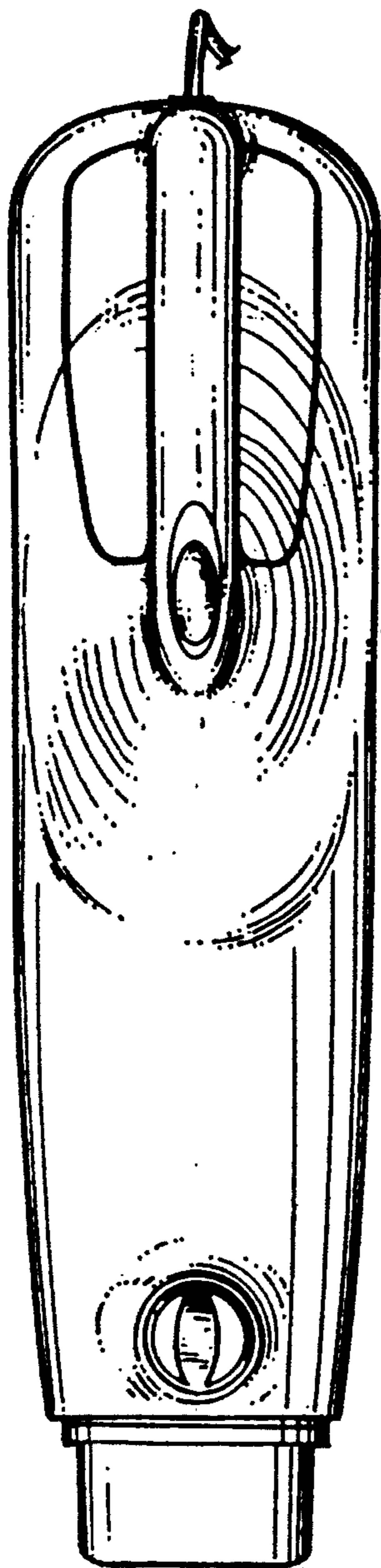


FIG. 16

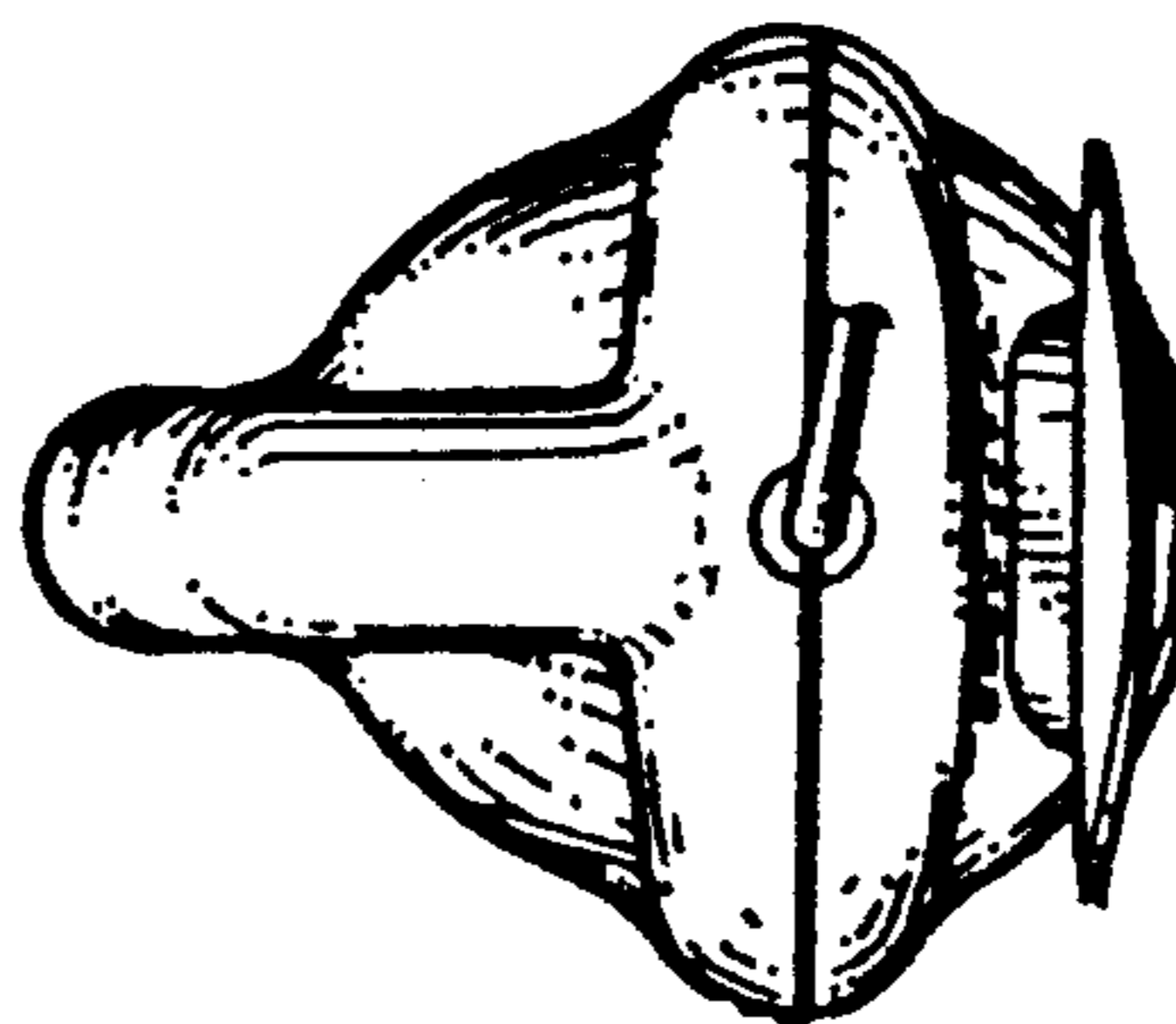


FIG. 17

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D348,548  
DATED : July 5, 1994  
INVENTOR(S) : Giovanni Pino

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On title page, item [73] Assignee: should read as follows:

BISSELL Inc.  
Grand Rapids, Michigan  
A Michigan Corporation

Signed and Sealed this  
Eighteenth Day of October, 1994

Attest:



BRUCE LEHMAN

Attesting Officer

Commissioner of Patents and Trademarks