

United States Patent [19]
Pino



US00D348548S

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

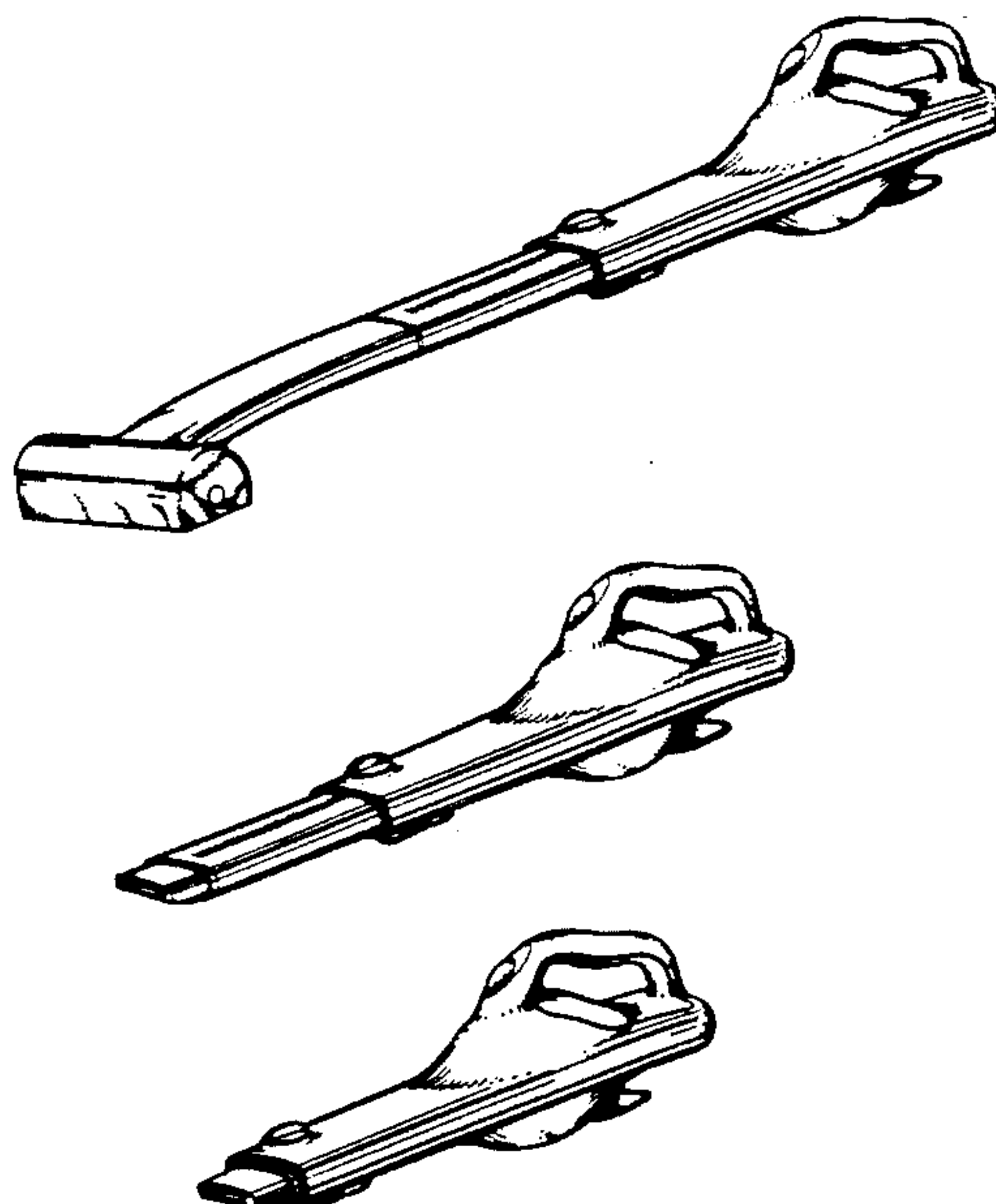
Attorney, Agent, or Firm—Price, Heneveld, Cooper,
DeWitt & Litton

[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 vac-
uum cleaner, showing my new design;
FIG. 2 is a side elevational view thereof, the side oppo-
site 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 indeter-
minate length.



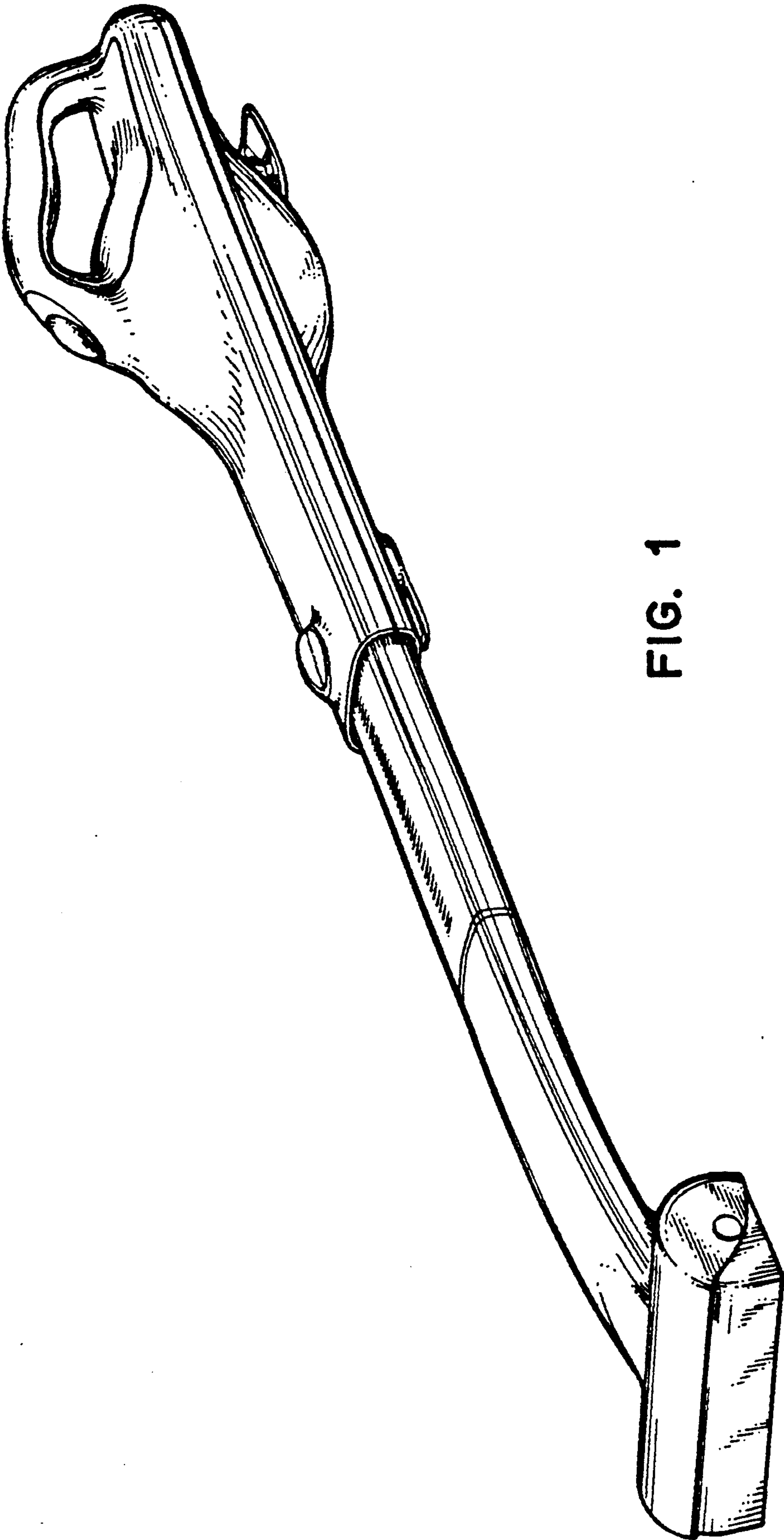


FIG. 1

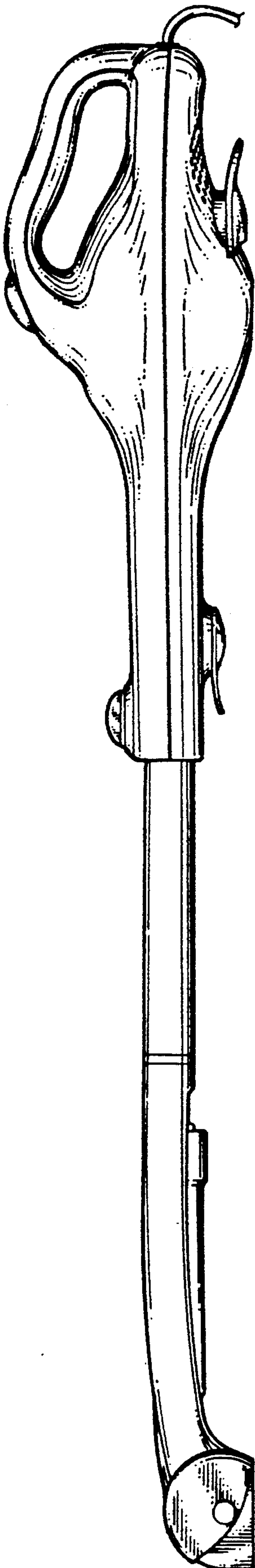


FIG. 2

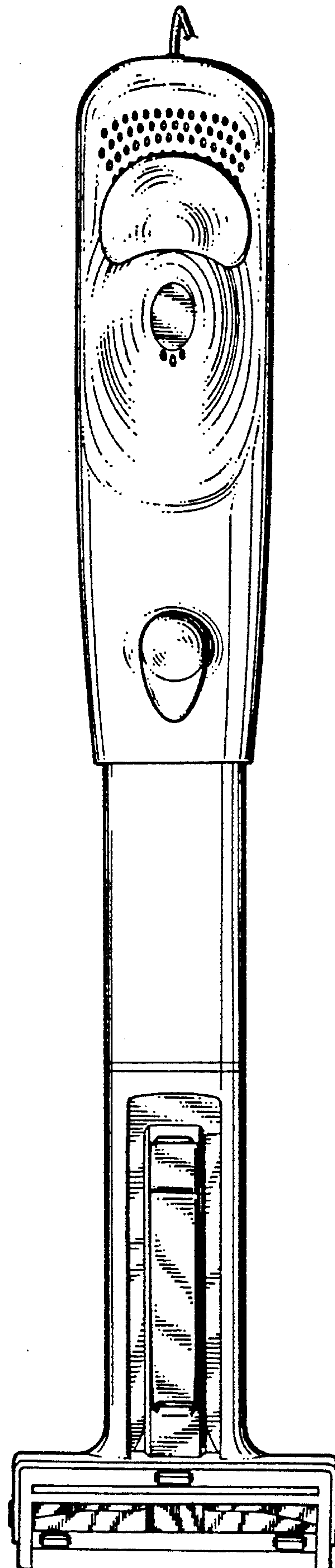


FIG. 3

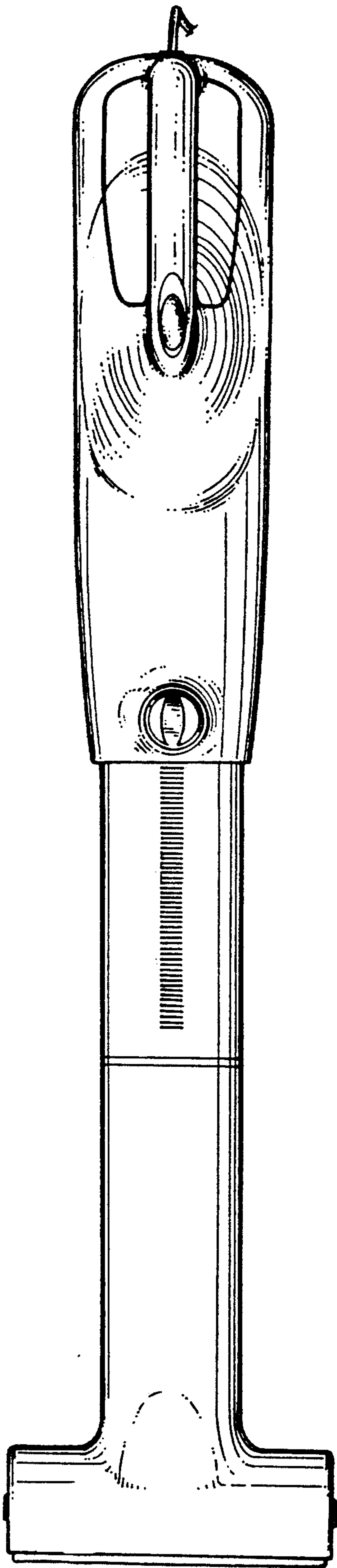


FIG. 4

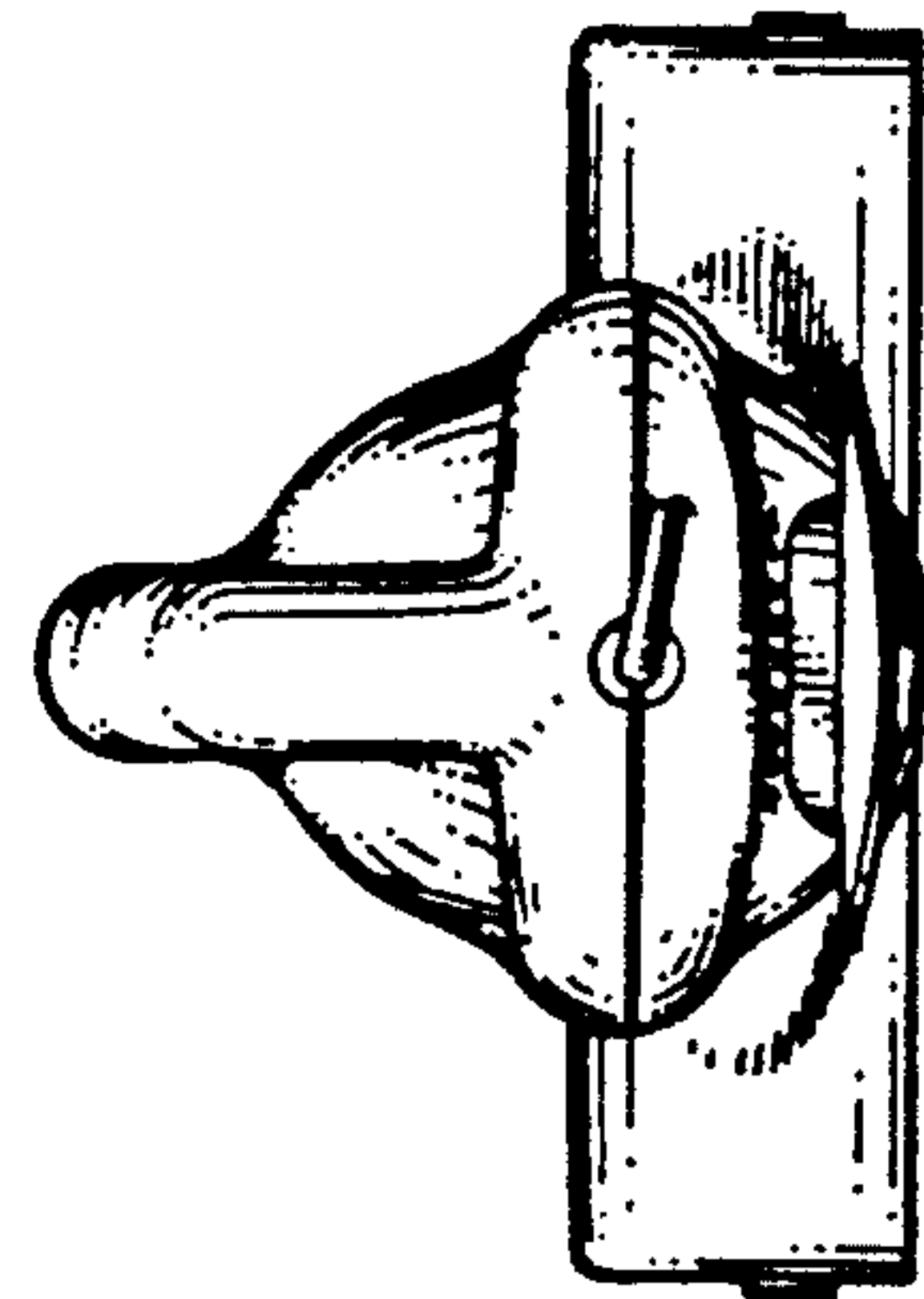


FIG. 5

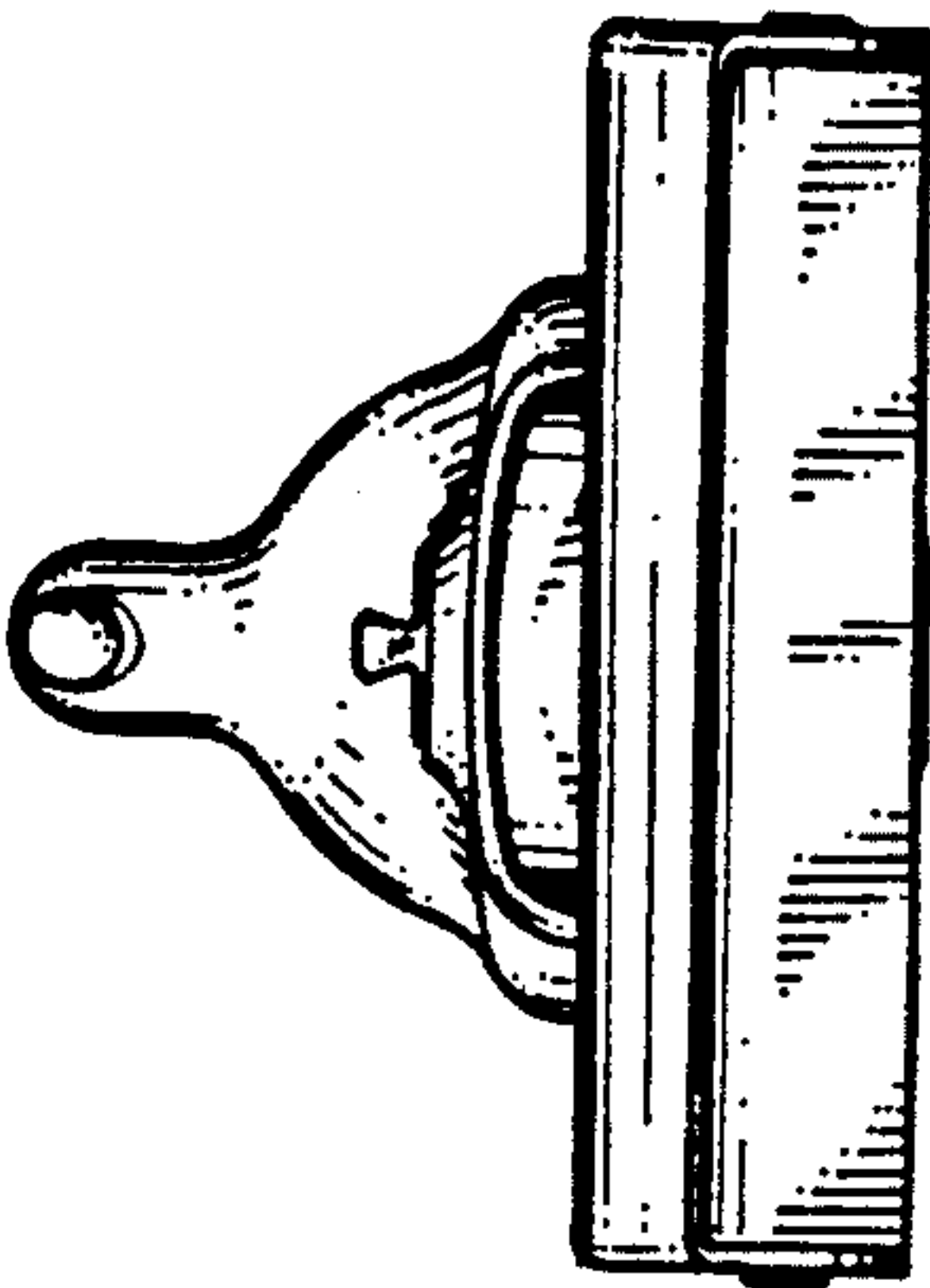


FIG. 6

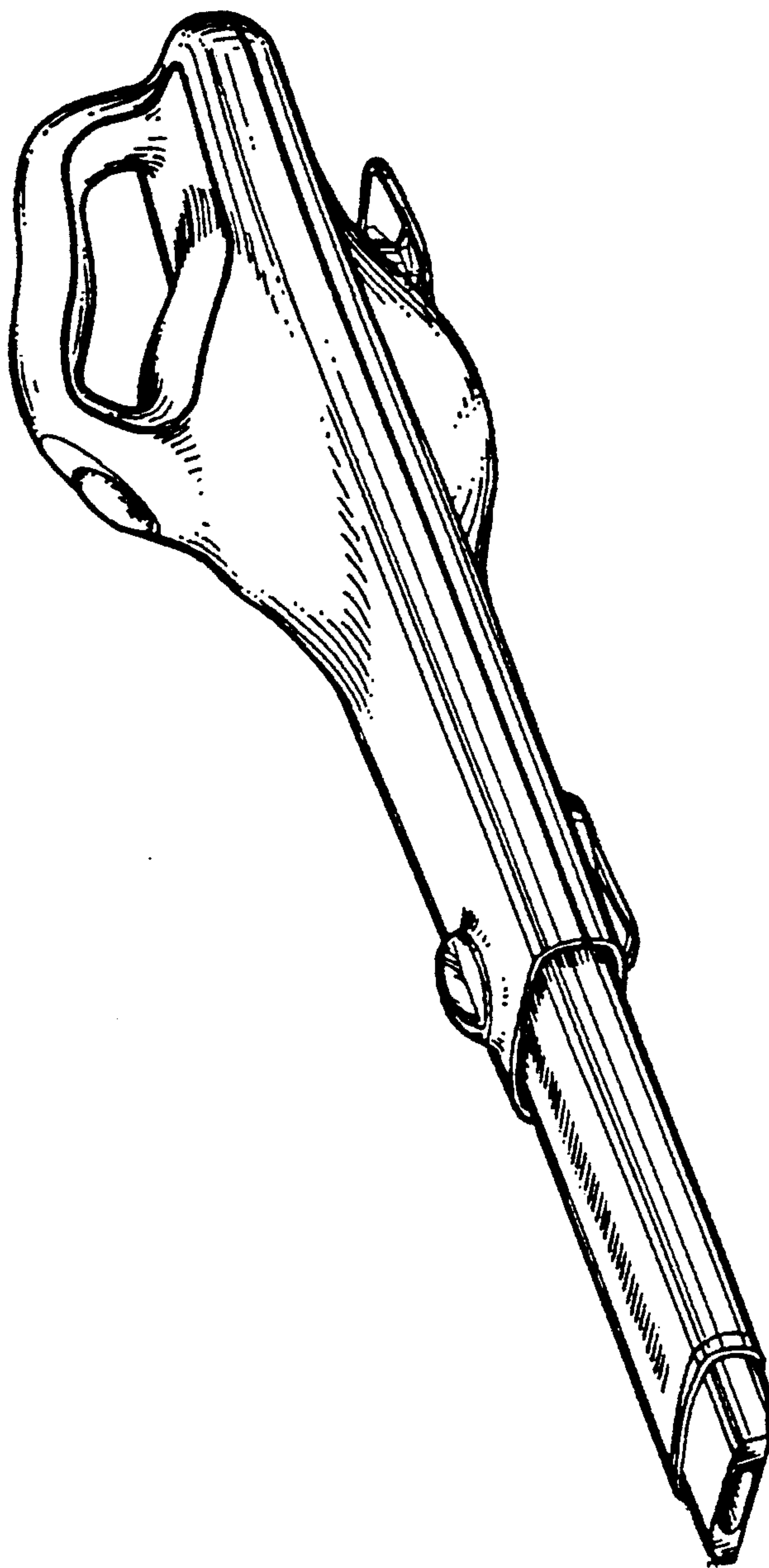


FIG. 7

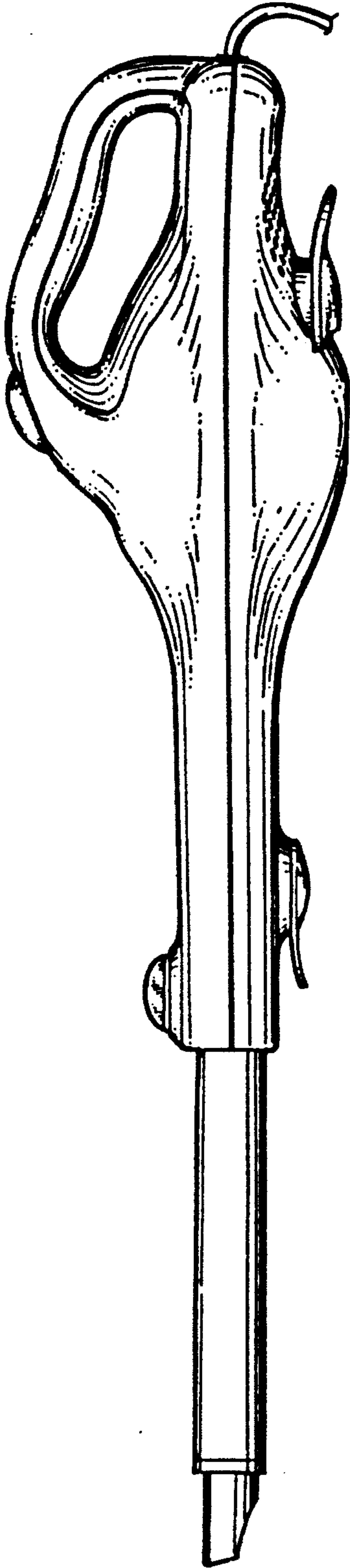


FIG. 8

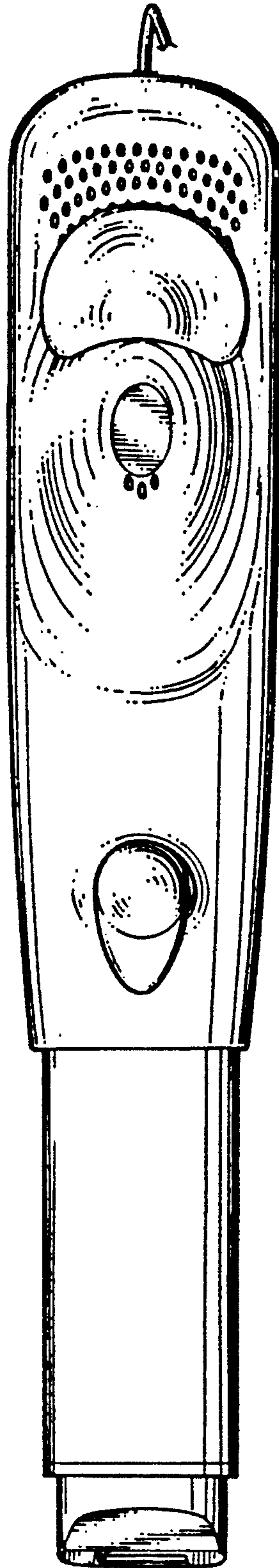


FIG. 9

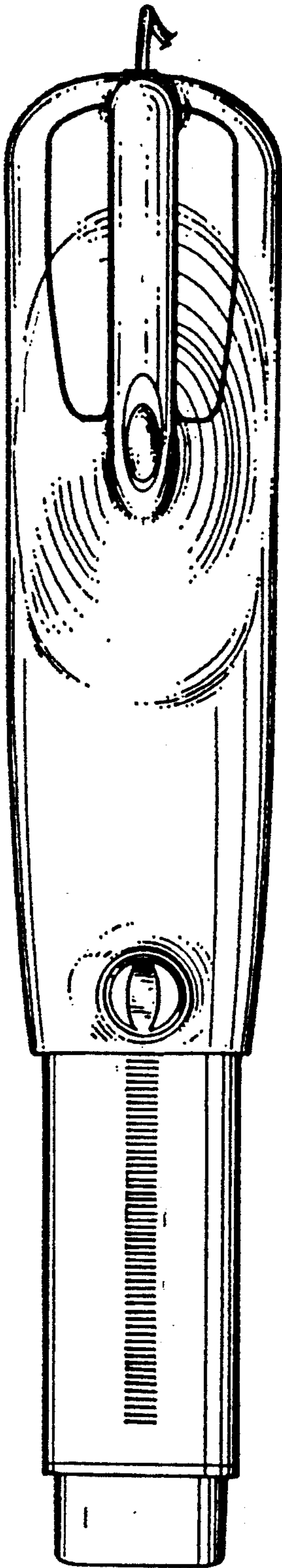


FIG. 10

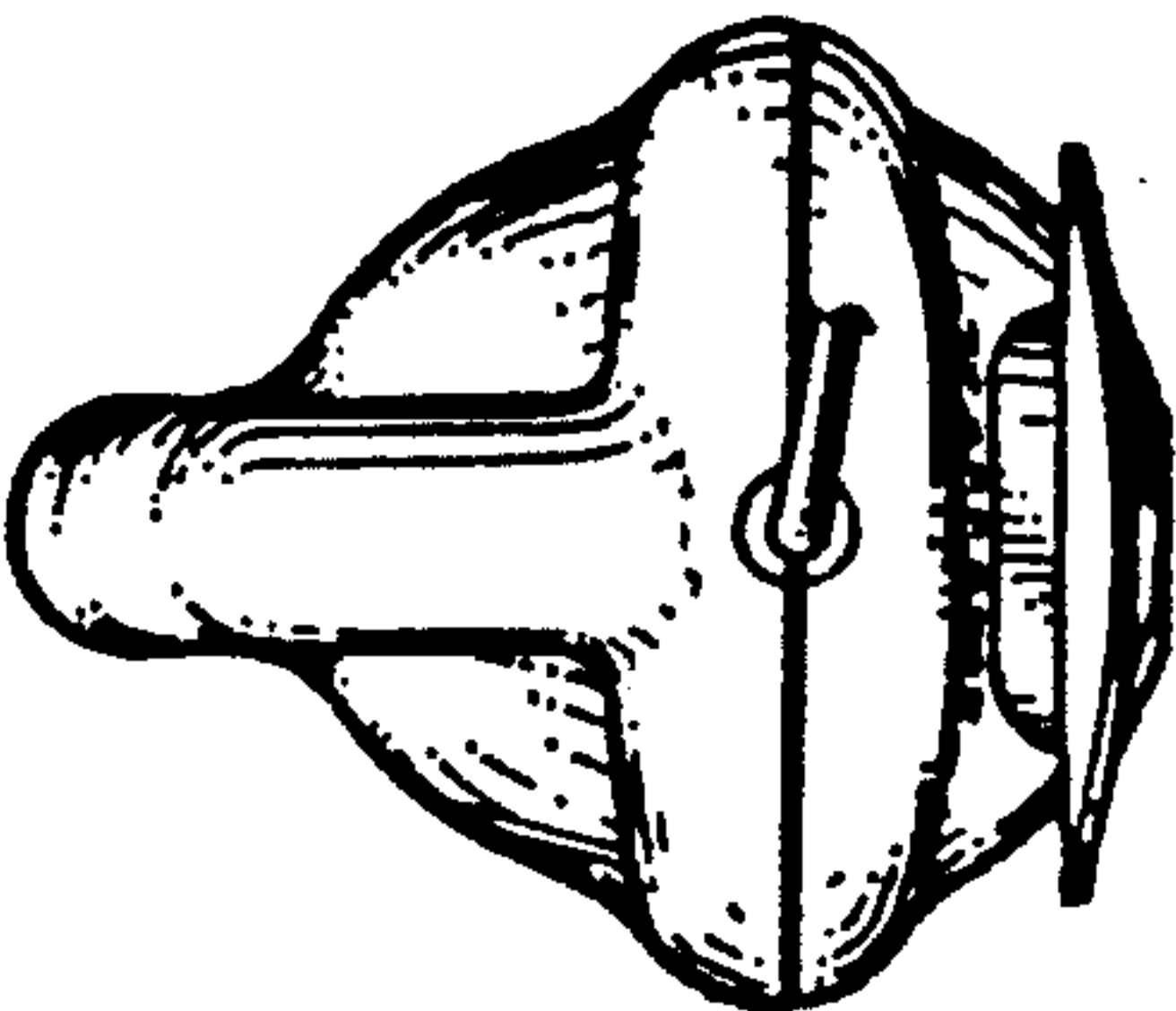


FIG. 11

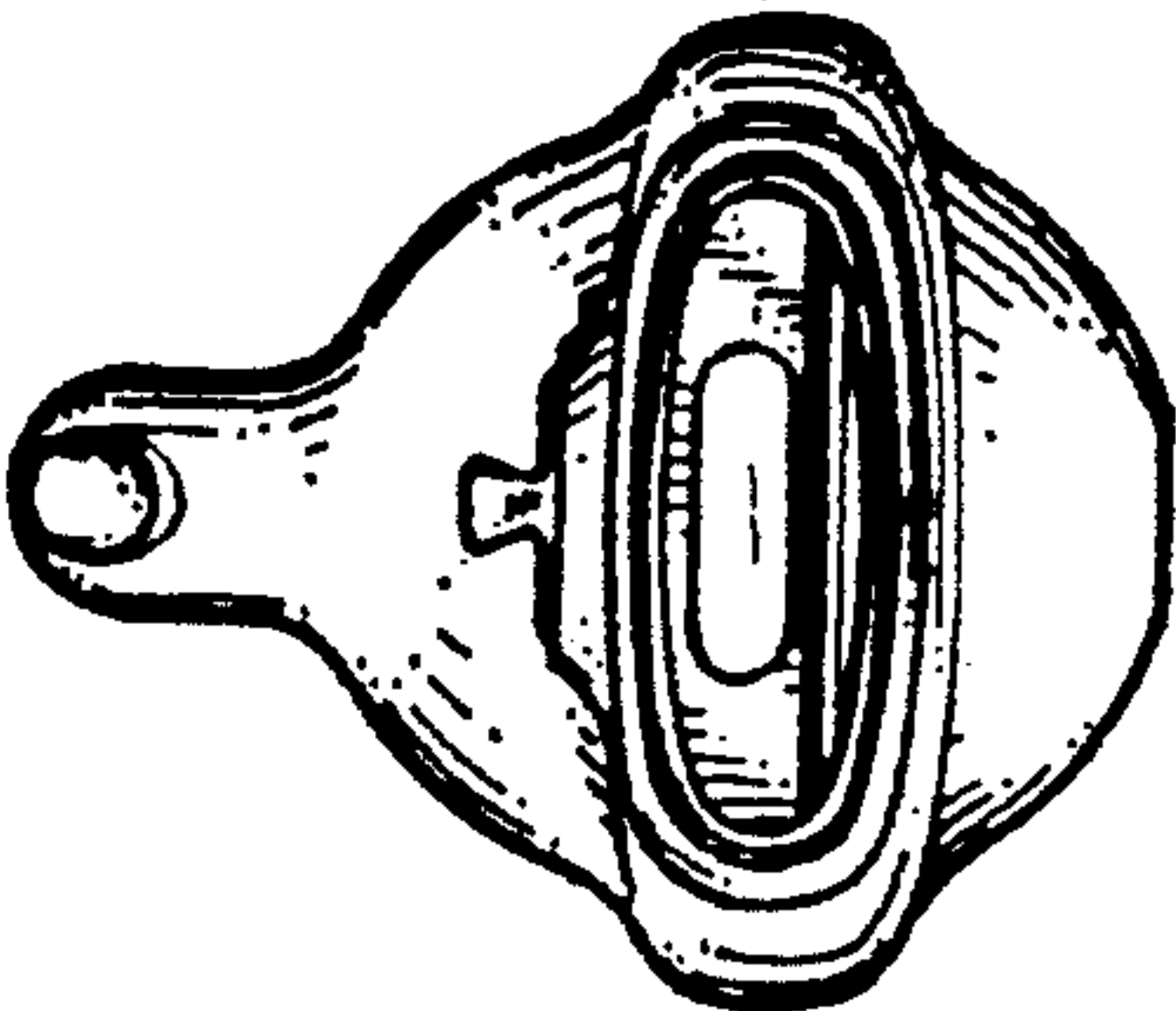


FIG. 12

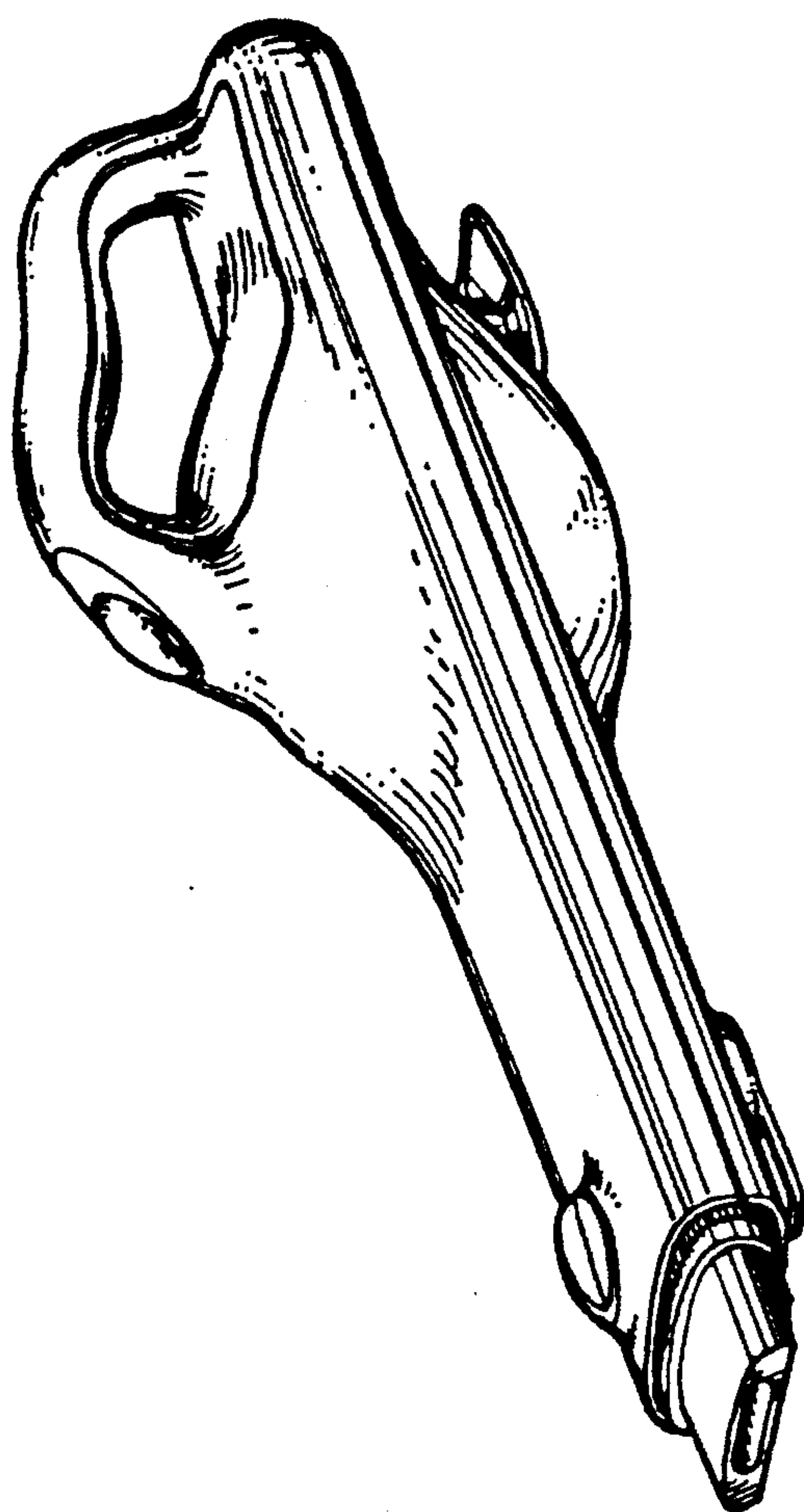


FIG. 13

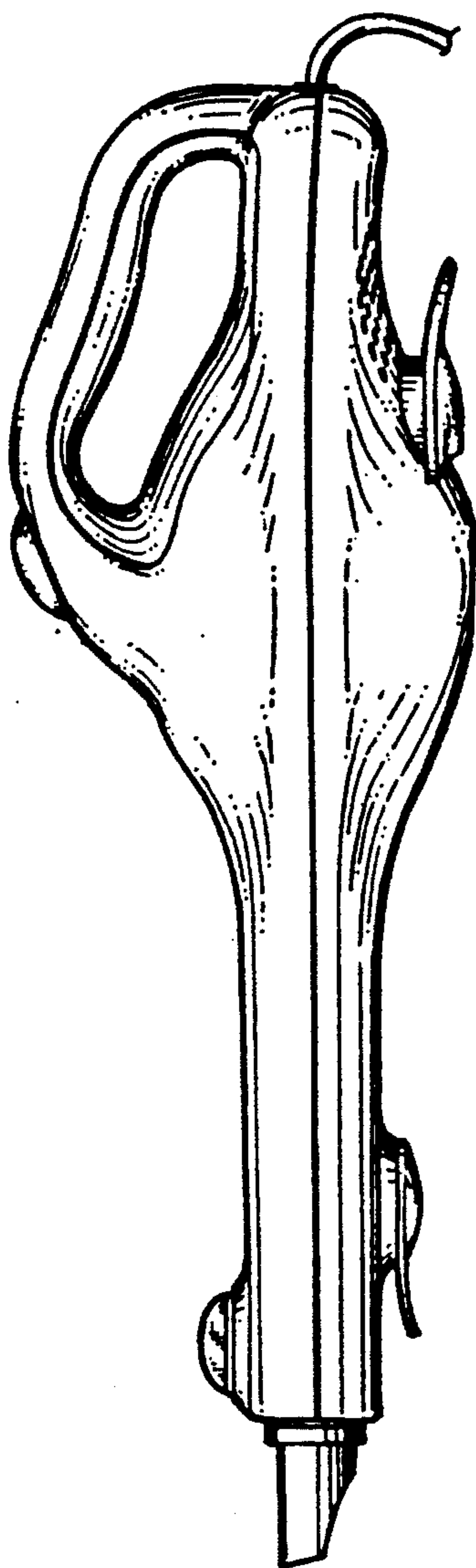


FIG. 14

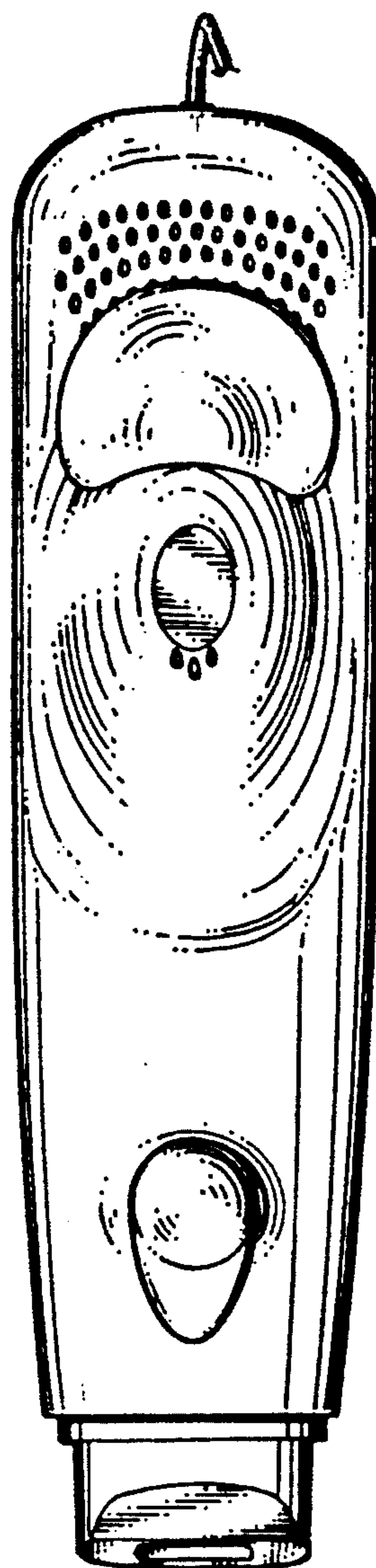


FIG. 15

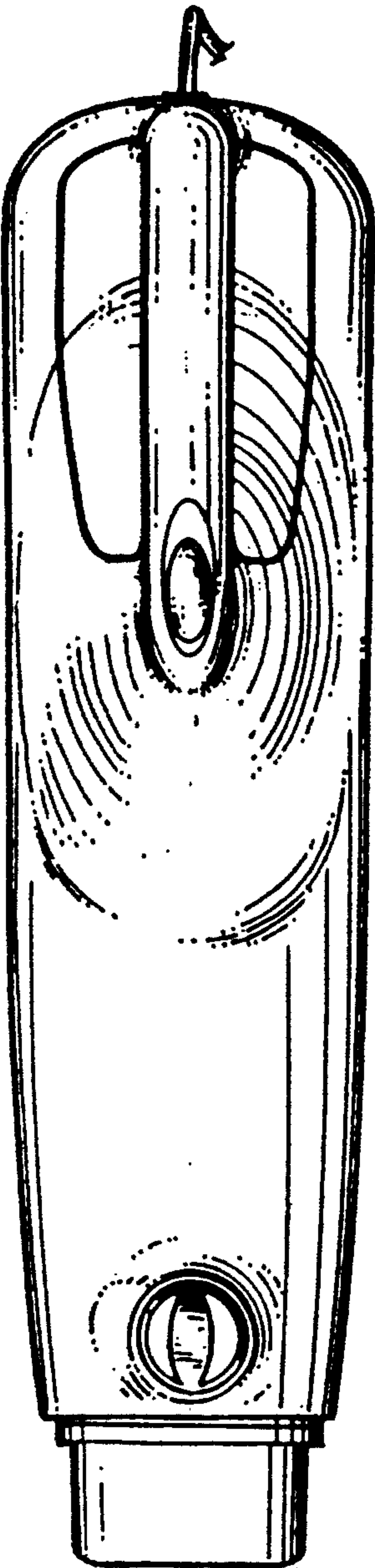


FIG. 16

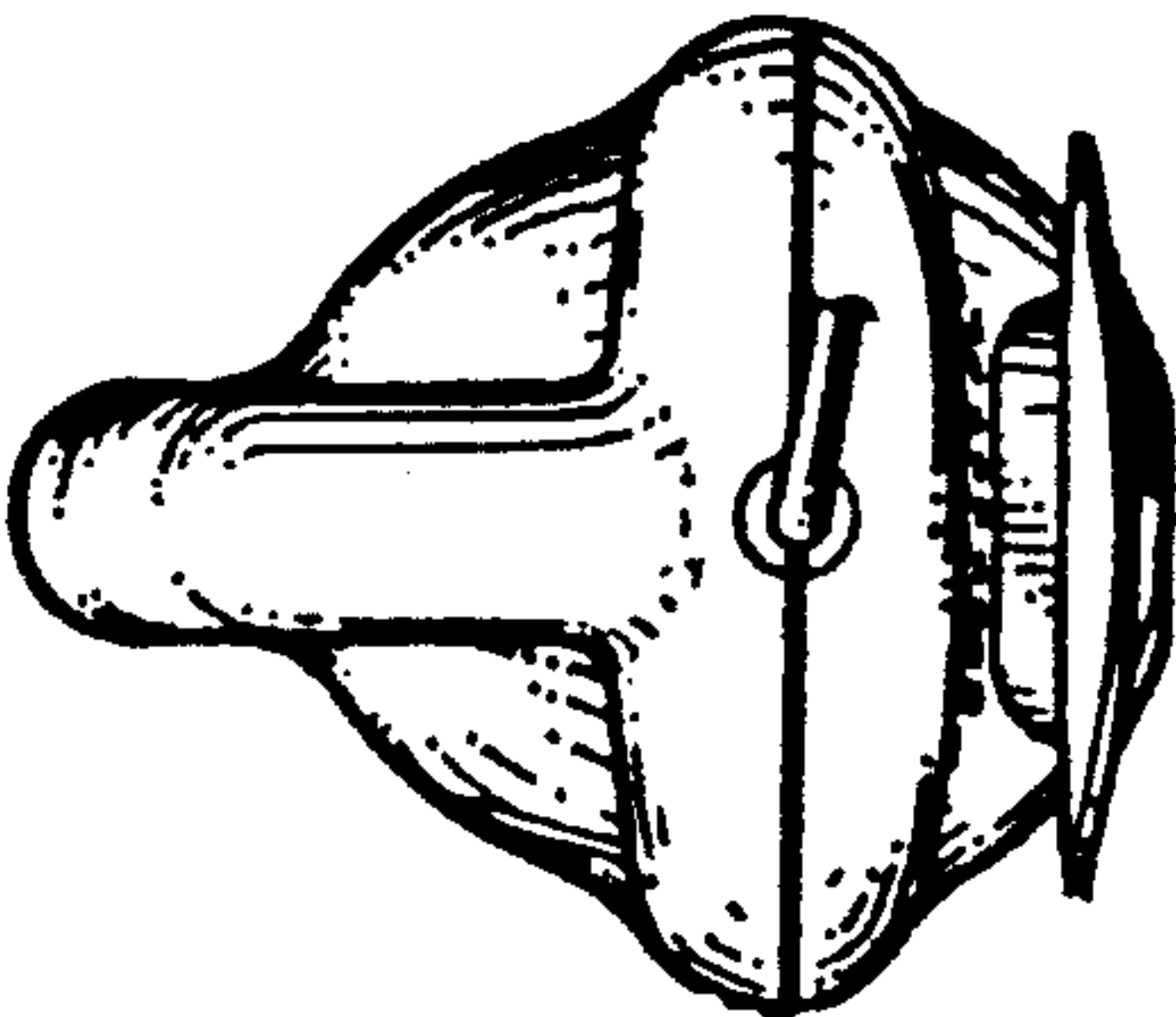


FIG. 17

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