



US00D444149S

(12) **United States Design Patent**
Miller et al.

(10) **Patent No.:** **US D444,149 S**

(45) **Date of Patent:** **** Jun. 26, 2001**

(54) **JOY-STICK**

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(73) Assignee: **Caterpillar Inc.**, Peoria, IL (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/132,233**

(22) Filed: **Nov. 6, 2000**

Related U.S. Application Data

(62) Division of application No. 29/105,483, filed on May 26, 1999.

(51) **LOC (7) Cl.** **14-02**

(52) **U.S. Cl.** **D14/412**

(58) **Field of Search** D14/412-416,
D14/496; 273/148 B; 463/1, 36, 37, 38,
39, 46, 47; 346/186, 161, 905; 200/5 R,
5 A, 6 R, 6 A

(56) **References Cited**

U.S. PATENT DOCUMENTS

D. 284,593 * 7/1986 Happ D14/416

D. 366,655 * 1/1996 Sanchez et al. D14/412
D. 371,773 * 7/1996 Sanchez et al. D14/412
D. 374,218 * 10/1996 Sanchez et al. D14/412
D. 396,899 * 8/1998 Kaneko et al. D14/416
4,491,325 * 1/1985 Bersheim 463/38
5,512,892 * 4/1996 Corballis et al. 273/148 B X
5,558,329 * 9/1996 Liu 345/156 X

* cited by examiner

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(57) **CLAIM**

The ornamental design for a joy-stick, as shown and described.

DESCRIPTION

FIG. 1 is a front-left perspective view of a second embodiment of a joy-stick of our new design;

FIG. 2 is a left side elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a right side elevational view thereof; and,

FIG. 5 is a top view thereof.

The bottom of the joy-stick is unornamented and is not seen in normal use.

1 Claim, 2 Drawing Sheets

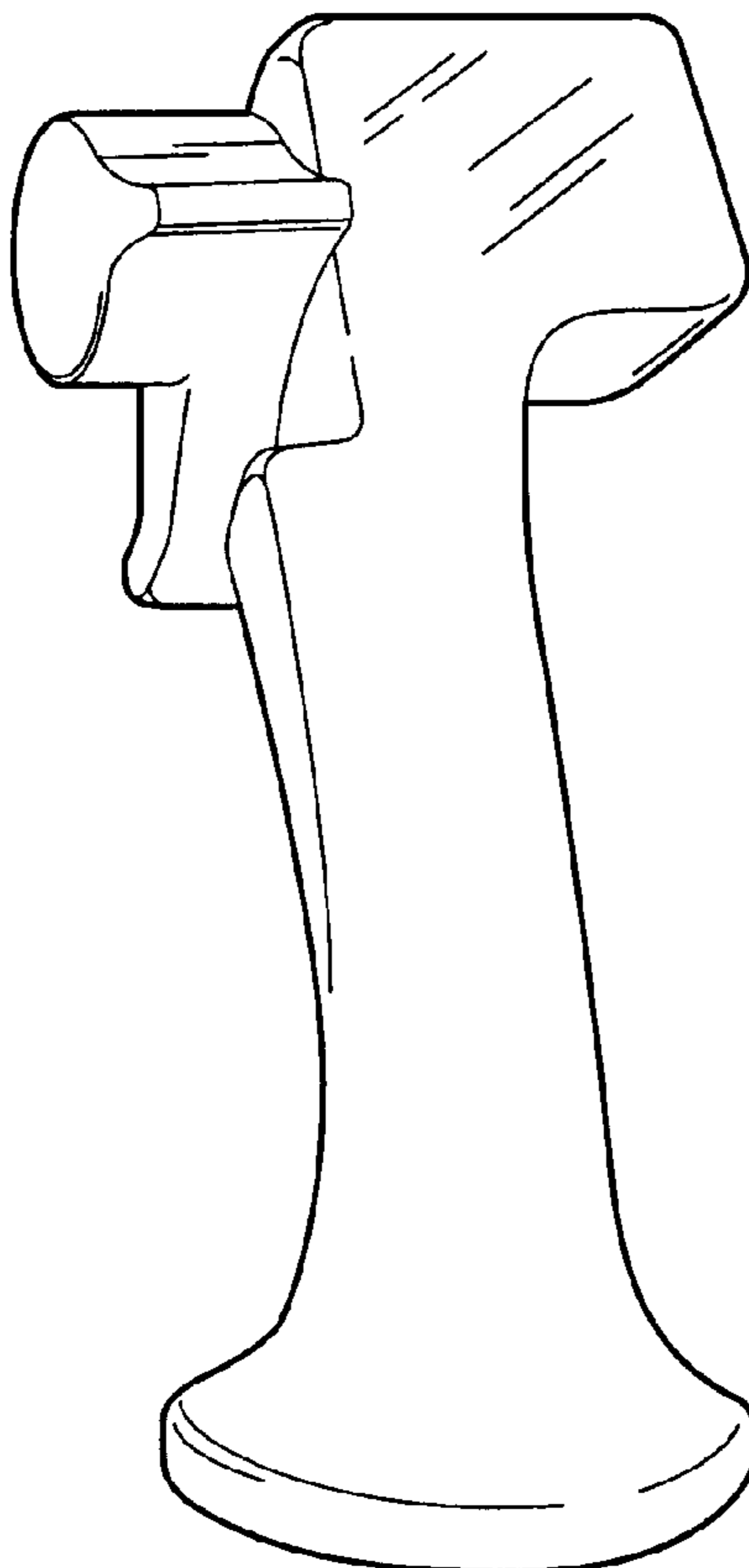


FIG. 1.

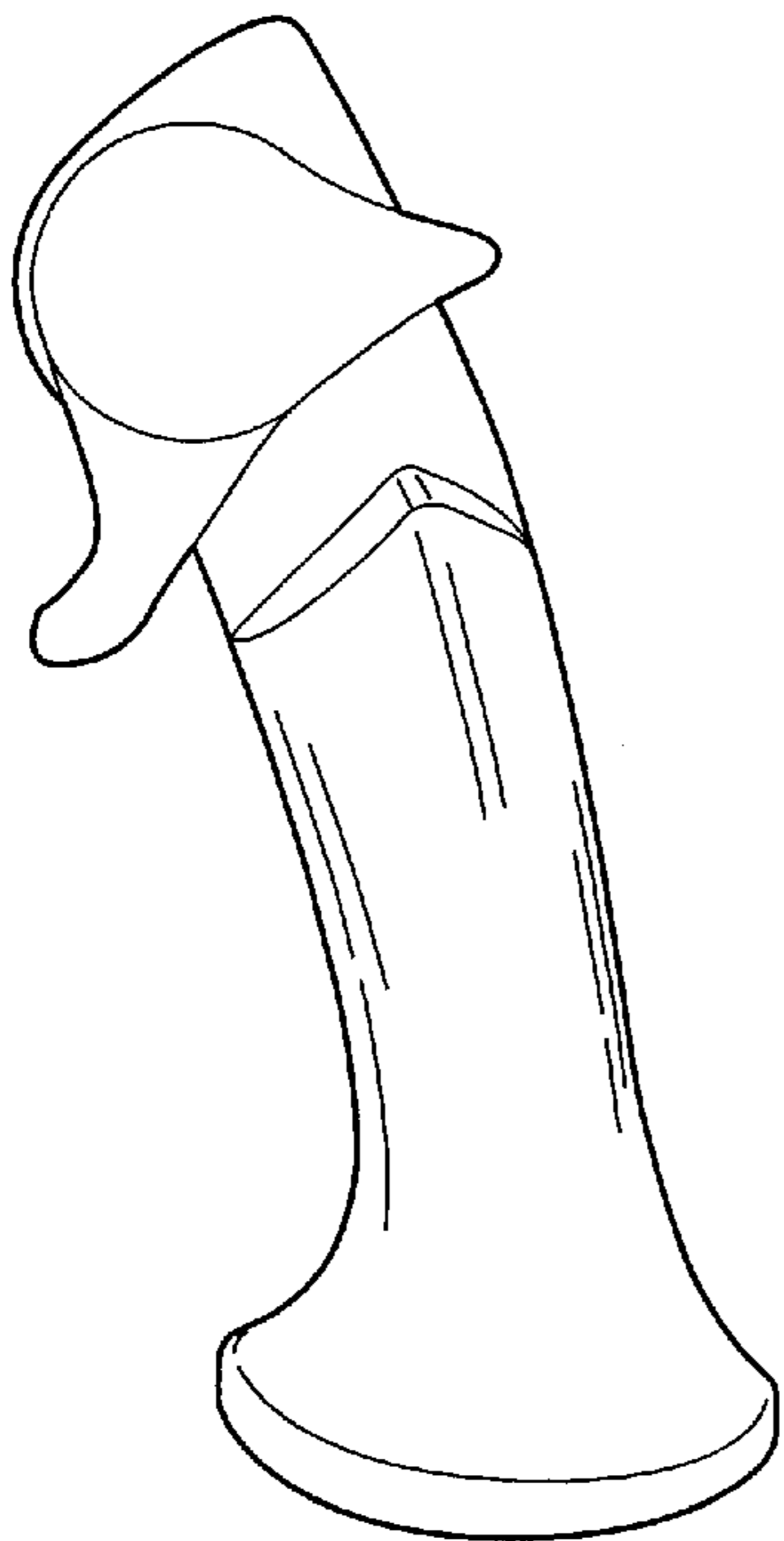
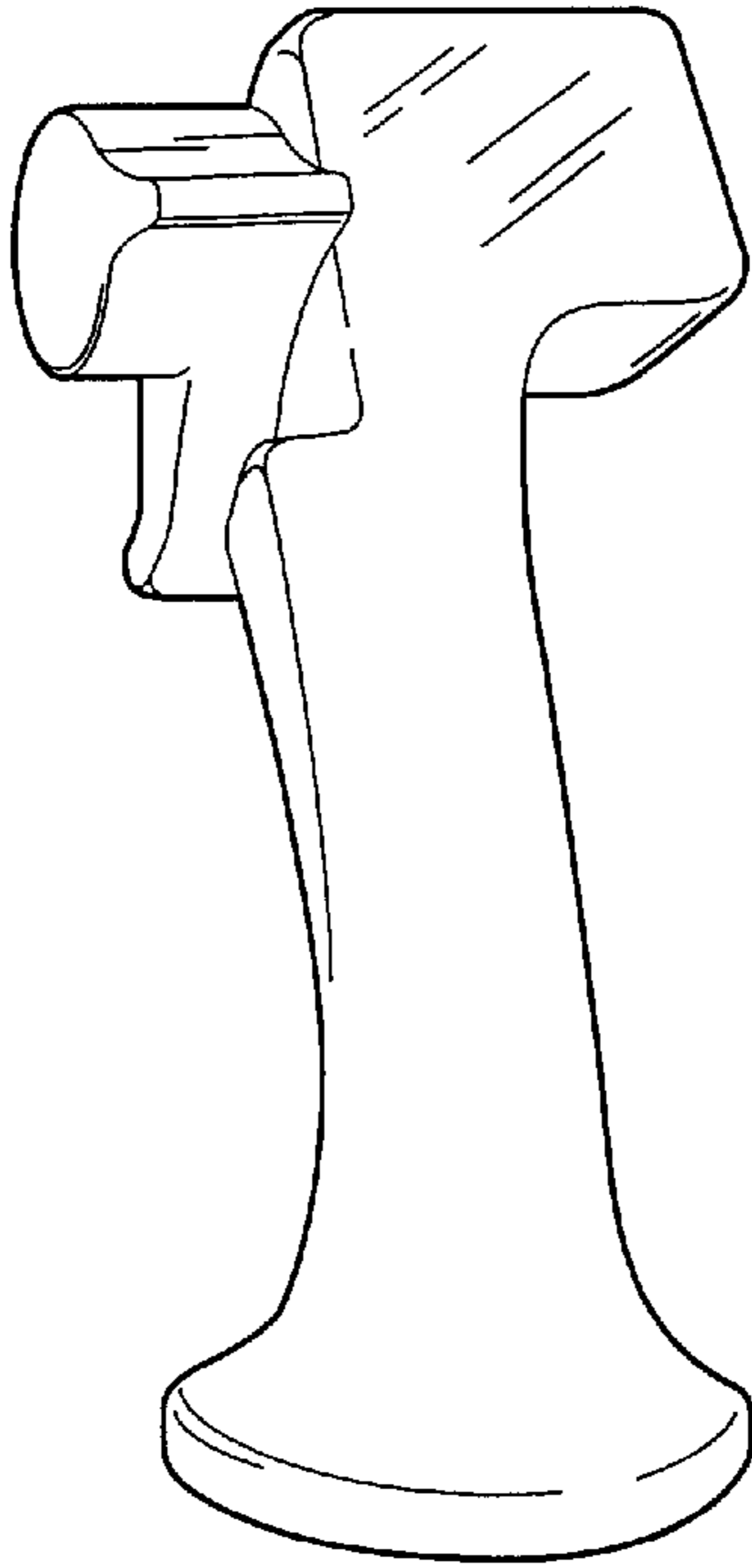


FIG. 2.

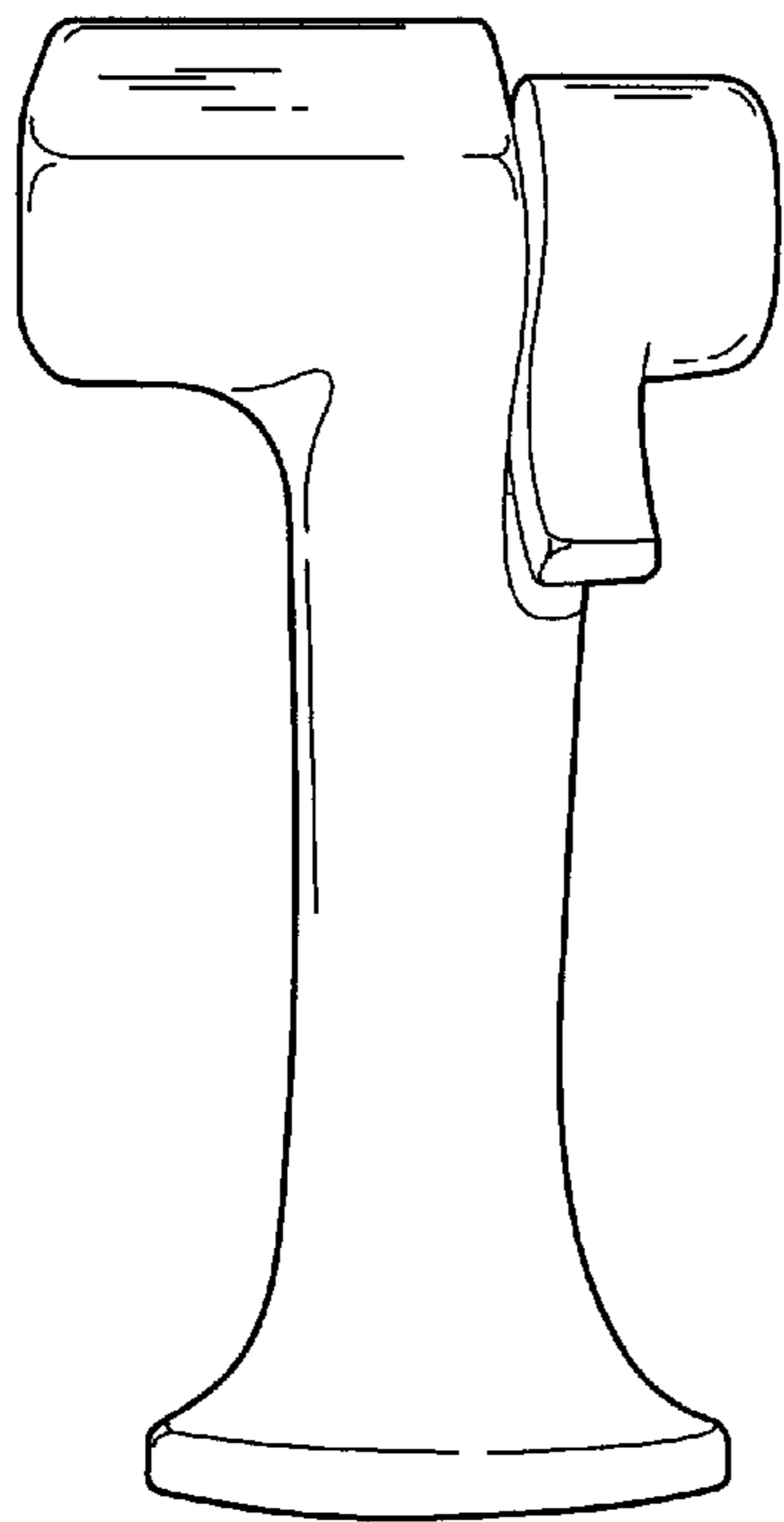


FIG. 3.

FIG. 4.

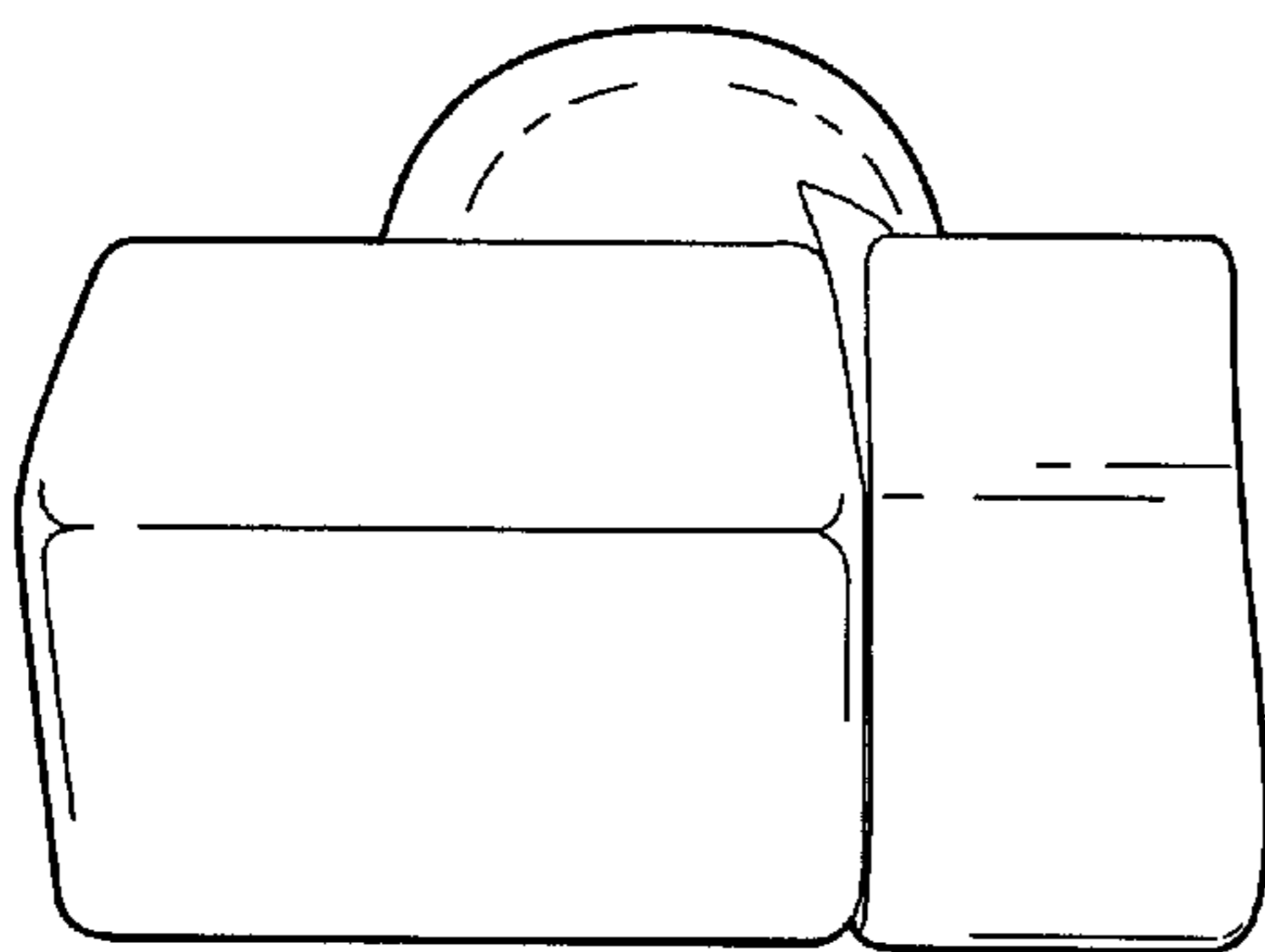
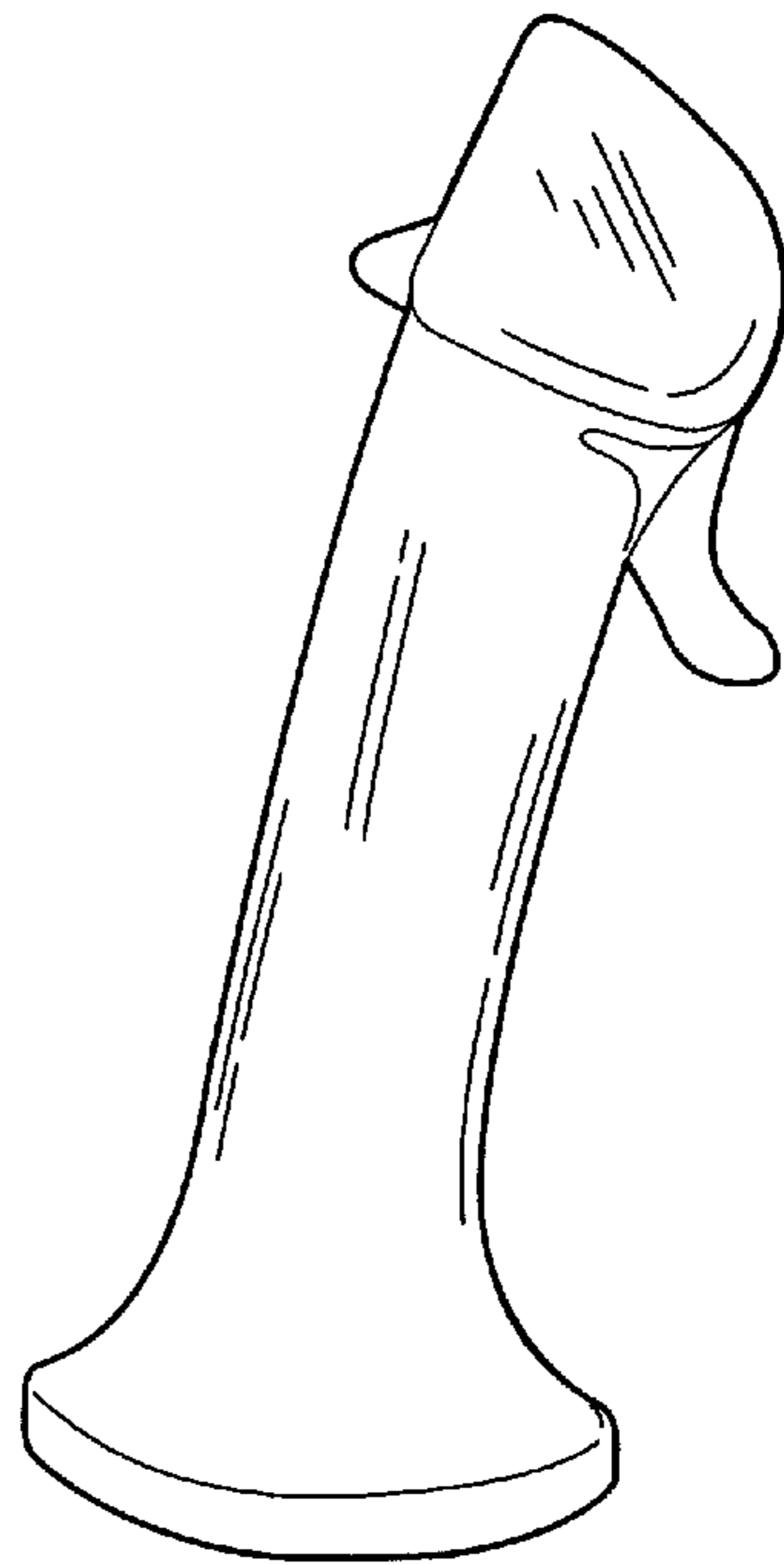


FIG. 5.