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United States Patent [19]

Altmann et al.

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[45] Date of Patent: ** Sep. 7, 1999

[54] JOYSTICK

5,749,577 5/1998 Couch et al. 273/148 B
5,805,256 9/1998 Miller 463/38 X

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OTHER PUBLICATIONS

Hong Kong Electronics, p. 9, 1985.
Playthings page 50, Sep. 1988.

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[**] Term: 14 Years

[57] CLAIM

The ornamental design for a joystick, as shown and
described.

[21] Appl. No.: 29/096,482

DESCRIPTION

[22] Filed: Nov. 13, 1998

[51] LOC (6) Cl. 21-01

[52] U.S. Cl. D14/117.5; D14/117.6

[58] Field of Search D14/117.1, 117.5,
D14/117.6, 117.9; D21/324, 333; 273/148 B;
463/1, 38, 46, 47, 37; 345/161, 156

FIG. 1 is a perspective view of a joystick showing our new
design, shown in it's environmental use; the broken lines
showing of elements are for illustrative purpose only and
forms no part of the claimed design;

FIG. 2 is a perspective view of a joystick, showing our new
design;

FIG. 3 is a left view of the joystick;

FIG. 4 is a rear view of the joystick;

FIG. 5 is a front side view of the joystick;

FIG. 6 is a right side view of the joystick;

FIG. 7 is a top view of the joystick; and,

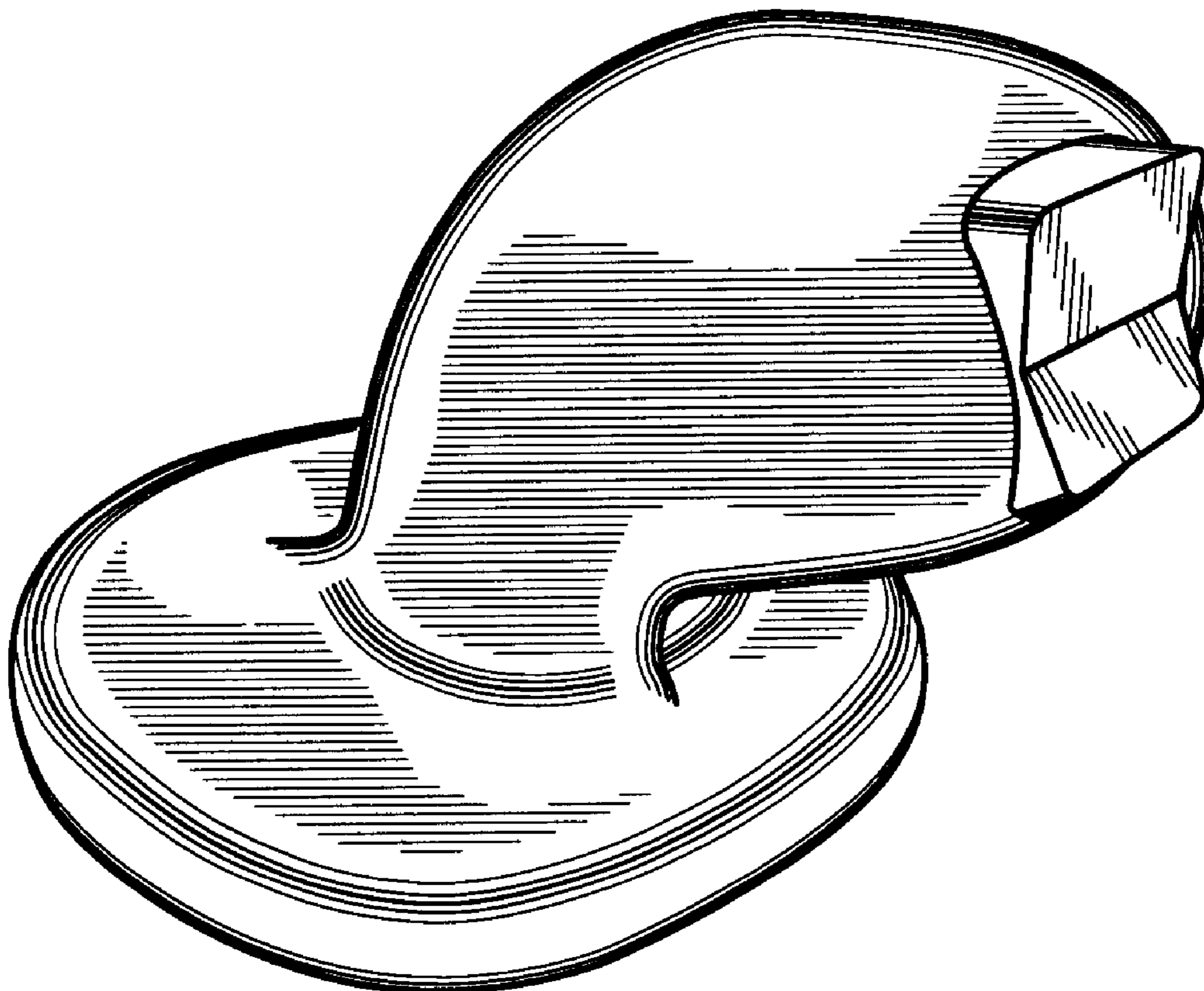
FIG. 8 is a bottom view of the joystick.

[56] References Cited

U.S. PATENT DOCUMENTS

D. 378,303	3/1997	Yang	.....	D14/117.6
D. 381,701	7/1997	Salinas	.....	D14/117.6
D. 384,984	10/1997	Jensen	.....	D14/117.6
4,107,642	8/1978	Crummett	.....	463/38 X
5,558,329	9/1996	Liu	.....	273/148 B

1 Claim, 3 Drawing Sheets



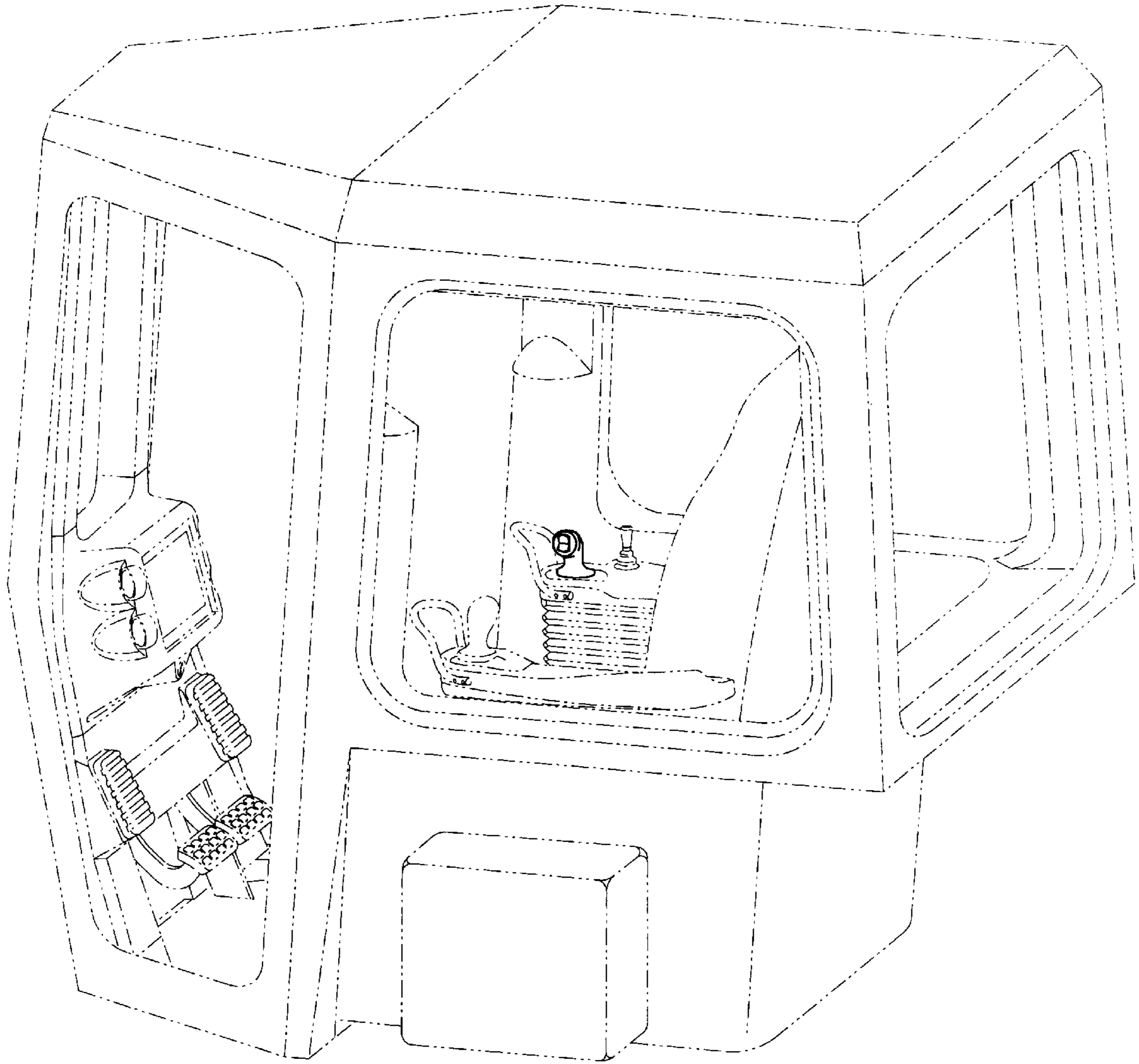


Fig.1

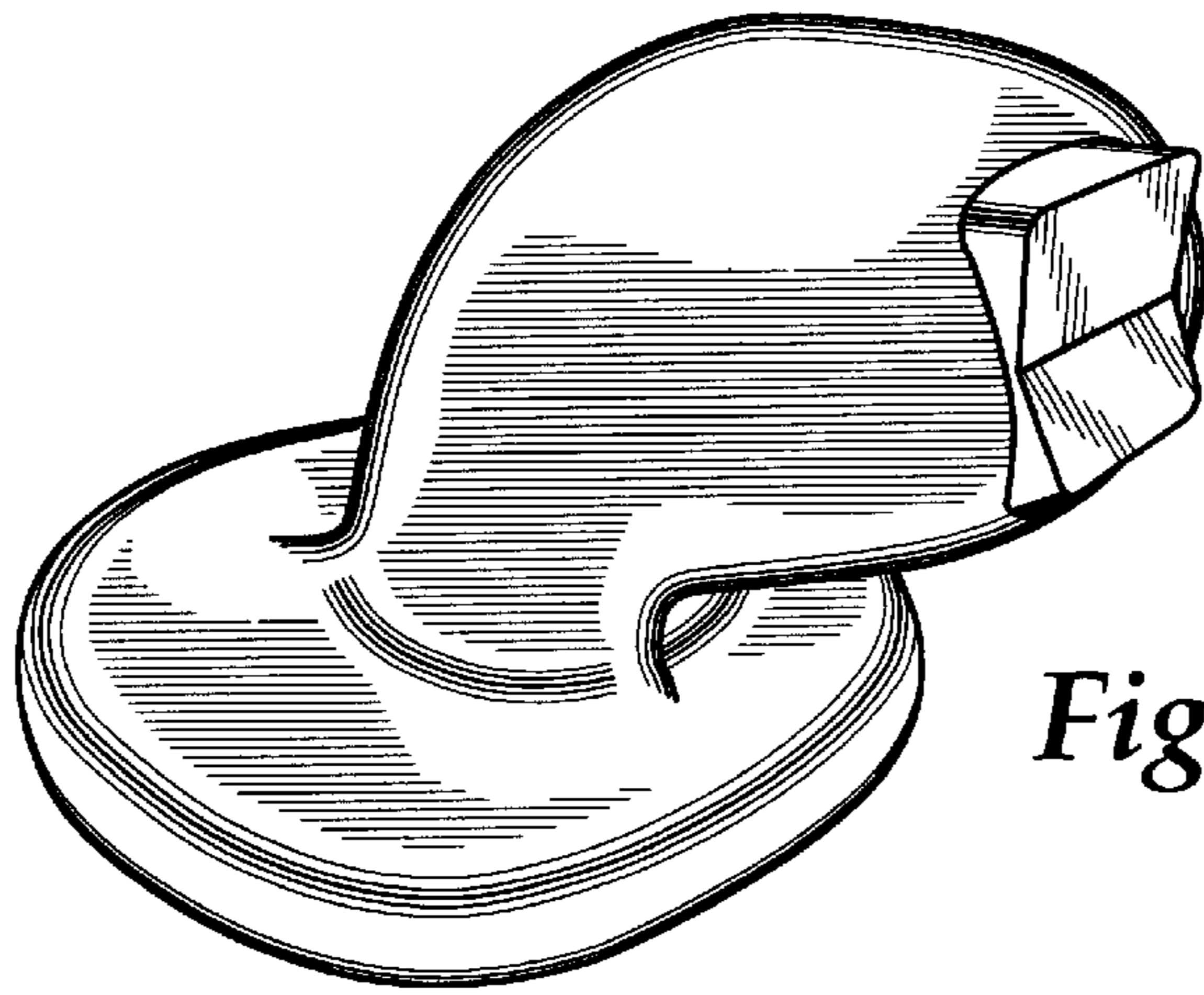


Fig.2

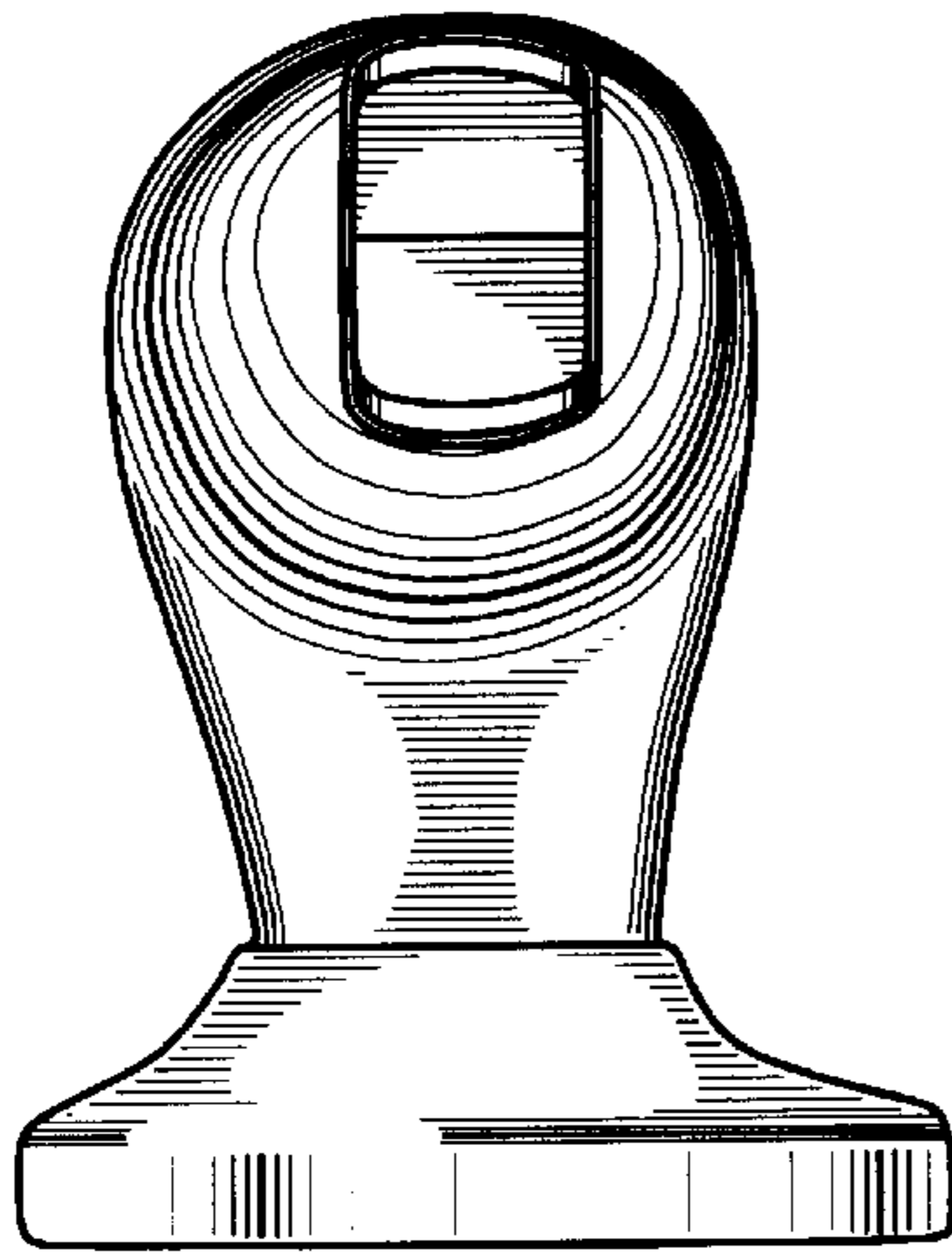


Fig.3

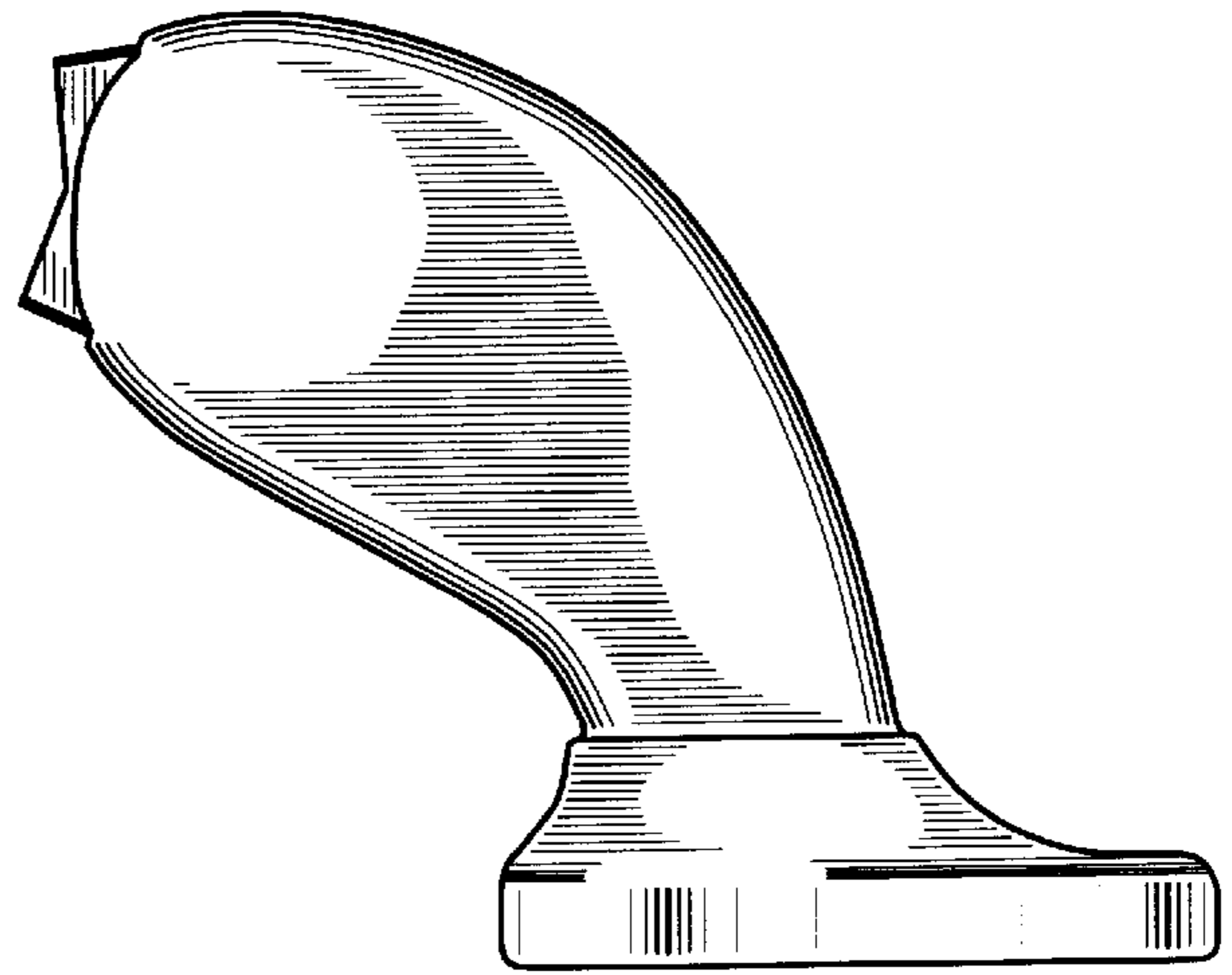


Fig.4

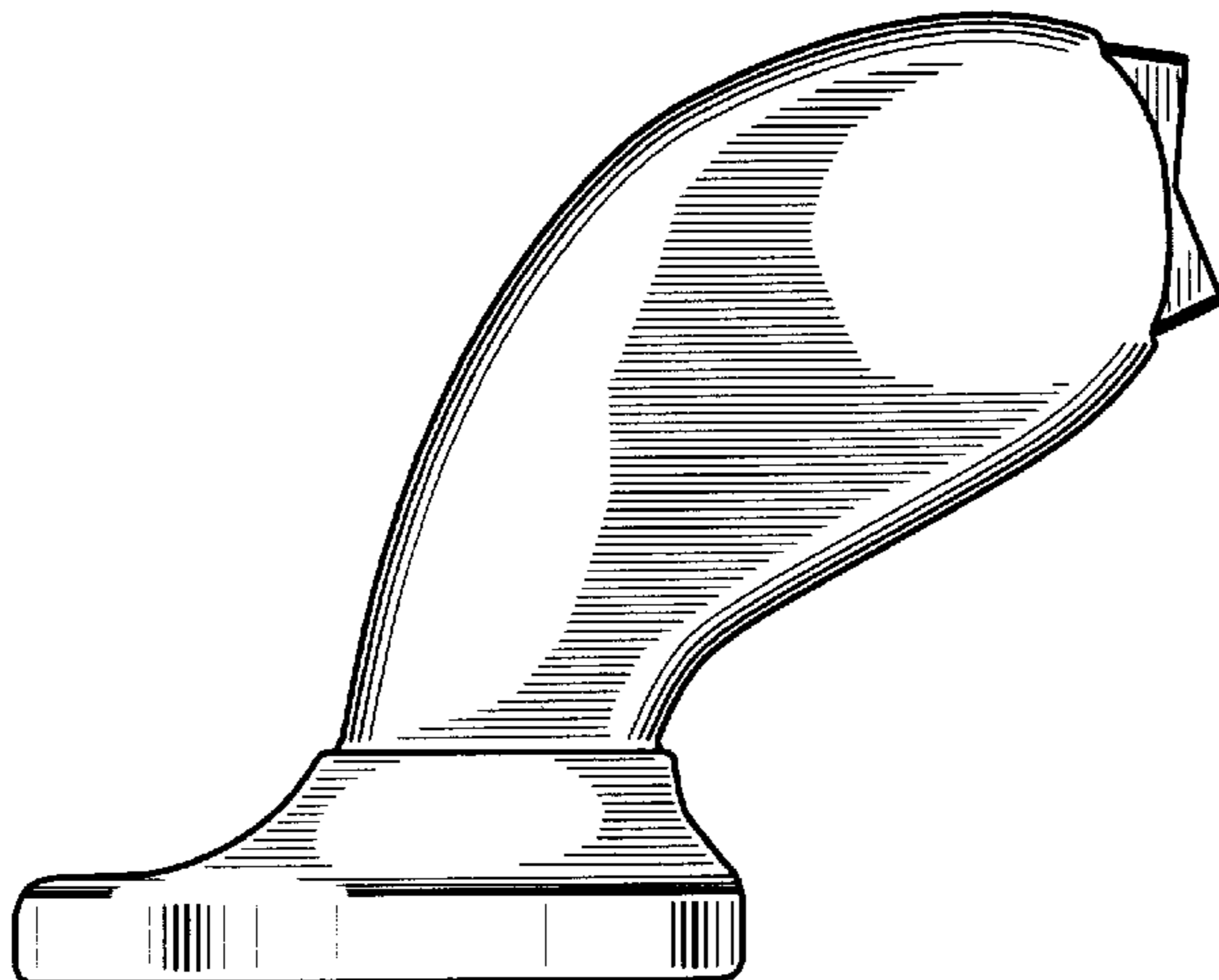


Fig.5

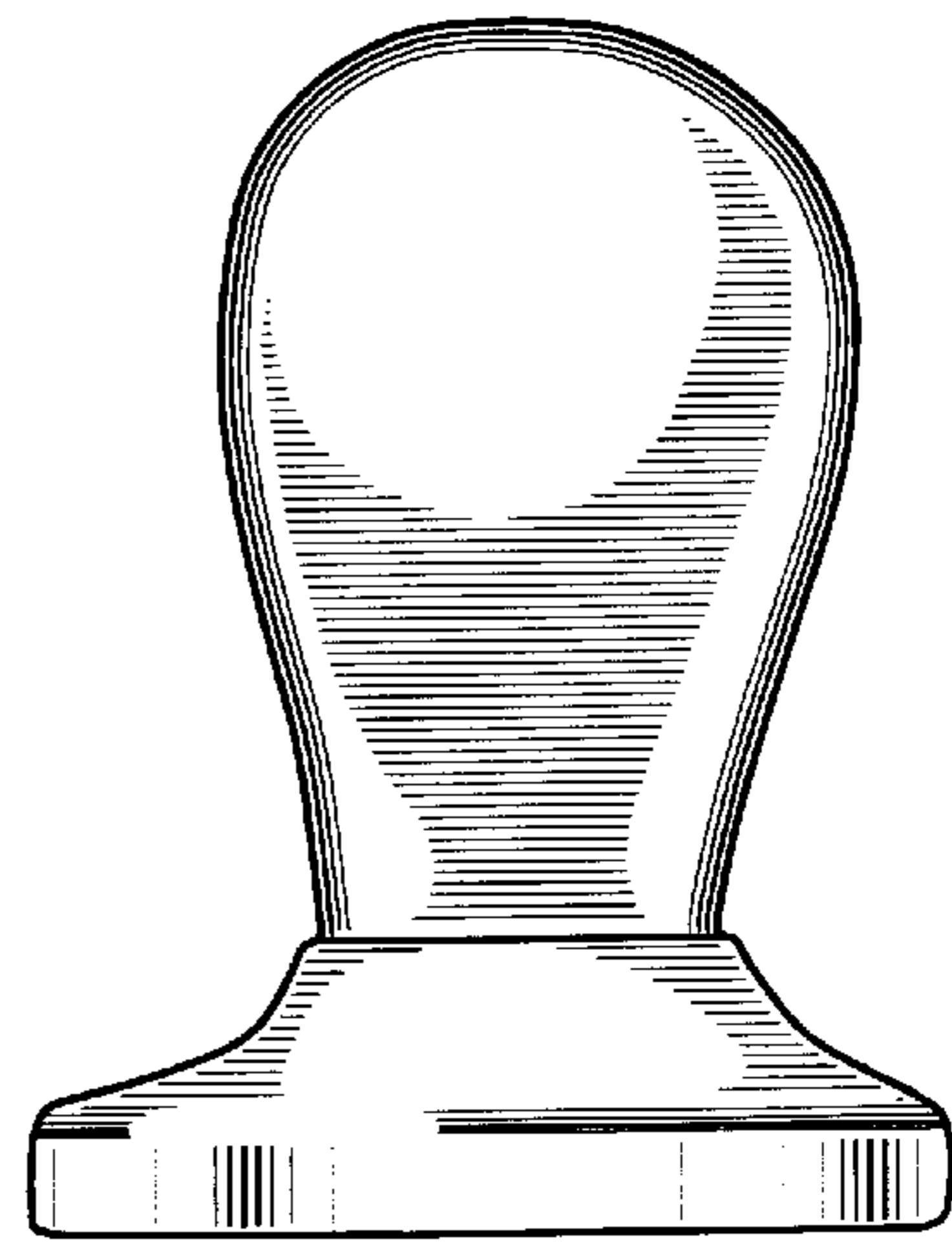


Fig.6

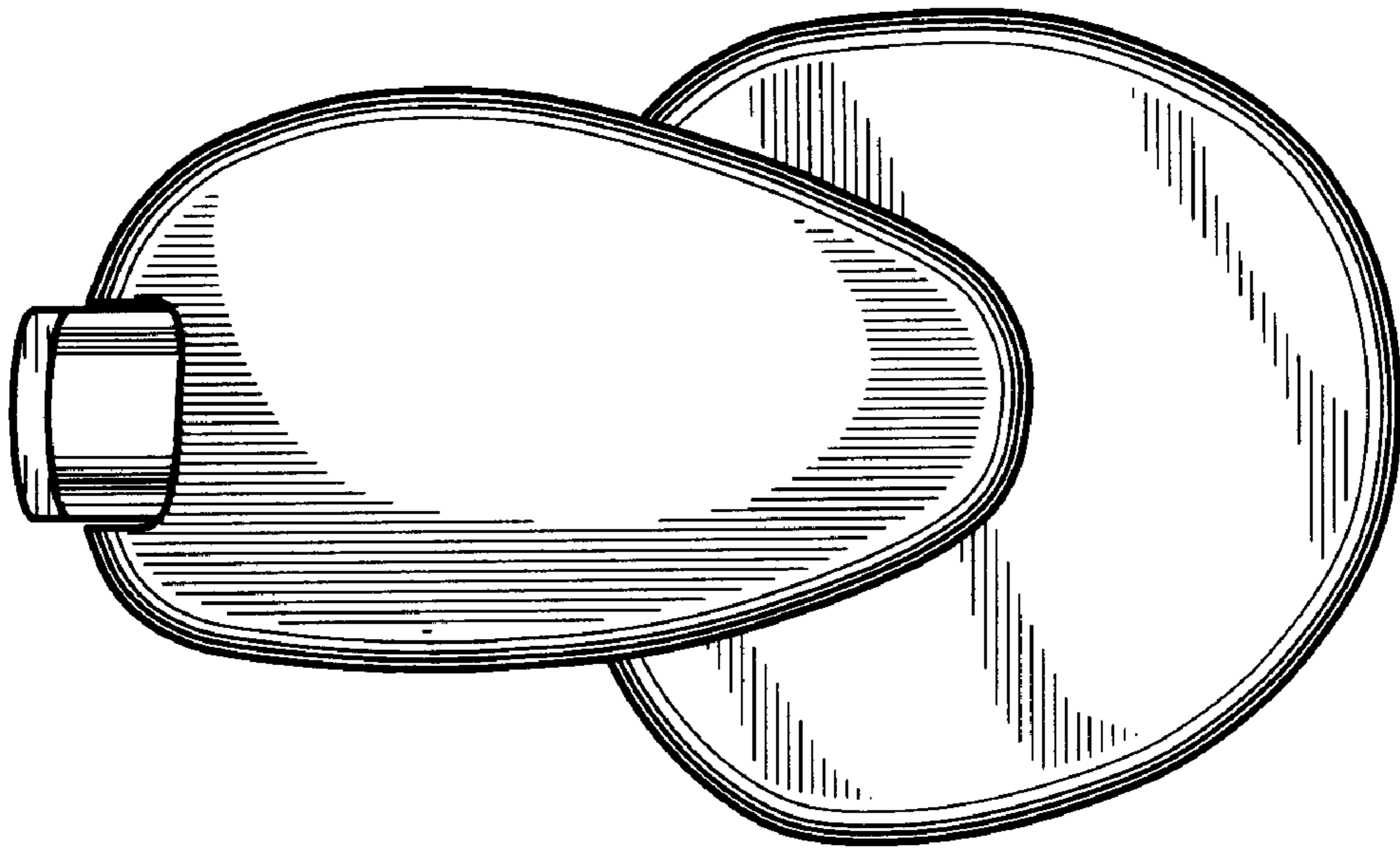


Fig.7

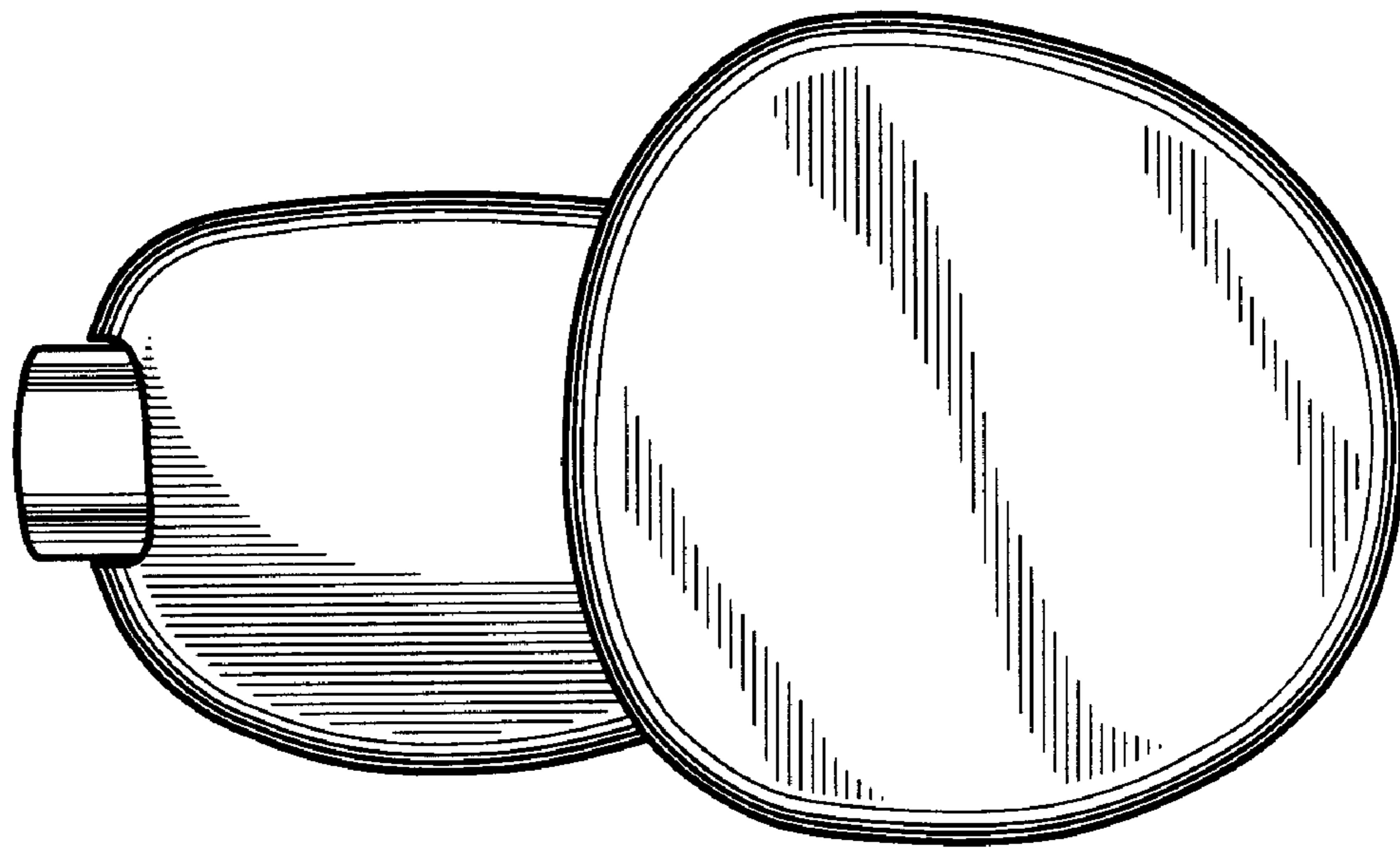


Fig.8