



US00D553317S

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

(10) **Patent No.:** **US D553,317 S**
(45) **Date of Patent:** **** Oct. 16, 2007**

(54) **TUB AND SHOWER CLEANING DEVICE**
(75) Inventors: **Perry S. Dotterman**, Maplewood, MN (US); **Byron E. Trotter**, St. Paul, MN (US); **Michael J. Kubes**, Oakdale, MN (US); **Arthur V. Lang**, Maplewood, MN (US); **Sigurdur Thorsteinsson**, Milan (IT); **Christopher J Miller**, Milan (IT)

D349,375 S 8/1994 Berti
D374,750 S 10/1996 Vanderhoef et al.
5,596,786 A * 1/1997 Kluiters 15/119.2
5,862,565 A 1/1999 Lundstedt
D413,417 S * 8/1999 Reede D32/50
D414,005 S 9/1999 Lehnertz
D417,050 S * 11/1999 Reede D32/50
D460,232 S * 7/2002 Weihs D32/50

(Continued)

(73) Assignee: **3M Innovative Properties Company**, St. Paul, MN (US)

FOREIGN PATENT DOCUMENTS

WO WO 2005/023080 3/2005

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

Primary Examiner—Alan P. Douglas

Assistant Examiner—Barbara Fox

(21) Appl. No.: **29/236,916**

(74) *Attorney, Agent, or Firm*—Trisha D. Adamson

(22) Filed: **Aug. 24, 2005**

(57) **CLAIM**

(51) **LOC (8) Cl.** **04-01**

The ornamental design for a tub and shower cleaning device, as shown and described.

(52) **U.S. Cl.** **D32/40**

(58) **Field of Classification Search** D32/40,
D32/50, 51, 52; D4/199; 15/147.1, 147.2,
15/209.1, 220.1, 228, 229.3, 229.4, 229.7,
15/229.8, 224.1, 224.2

DESCRIPTION

See application file for complete search history.

FIG. 1 is a perspective view showing the new design for a tub and shower cleaning device;

FIG. 2 is a right side view thereof, the left side view being a mirror image of the right side view;

FIG. 3 is a rear view thereof;

FIG. 4 is a front view thereof;

FIG. 5 is a top view thereof; and,

FIG. 6 is a bottom view thereof.

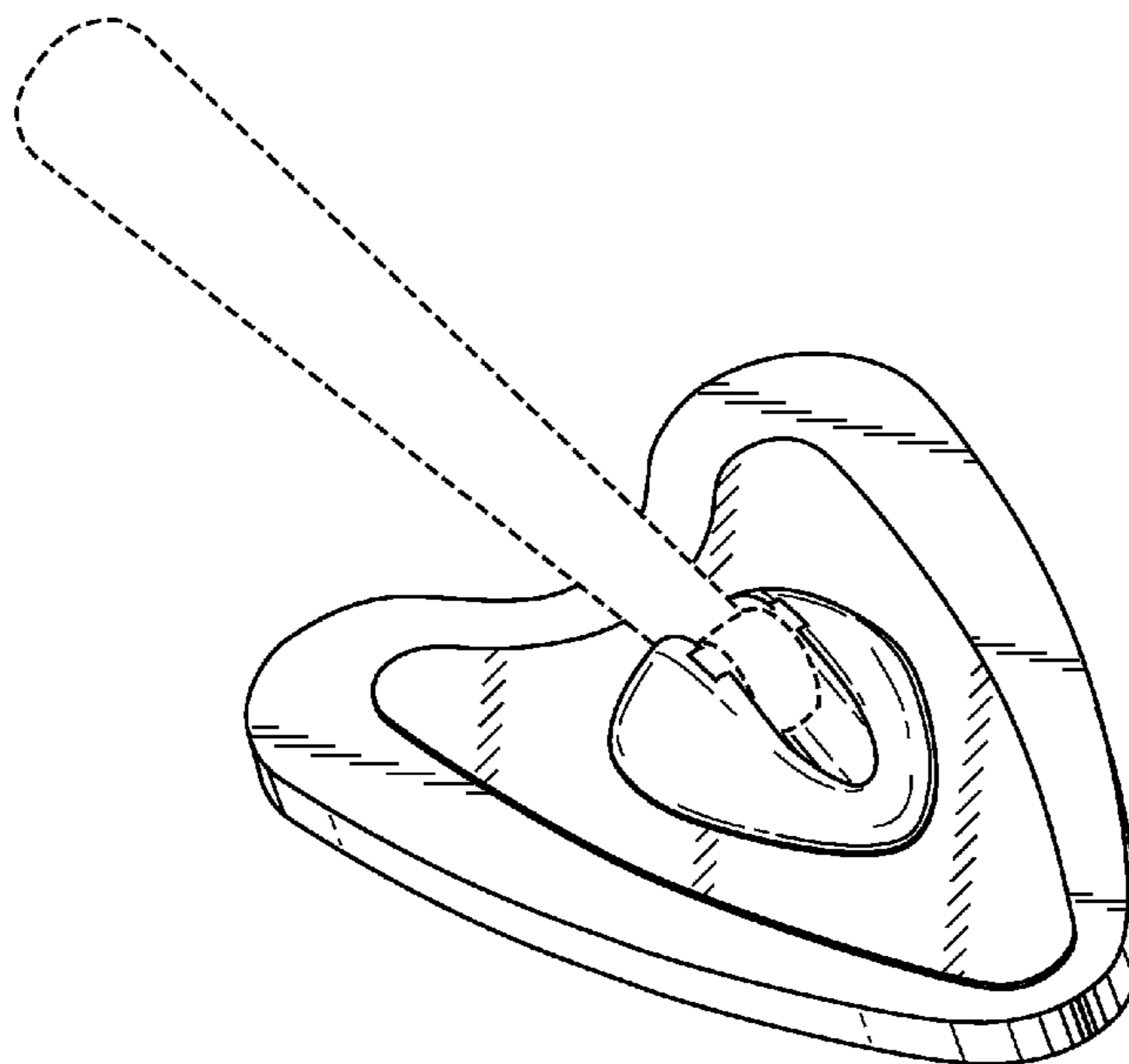
The broken lines in the drawings are shown for illustrative purposes only and form no part of the claimed design. In addition, the surface shading illustrated in the drawings is provided merely to highlight the contour of design; it is not intended to be illustrative of texture or gloss.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,186,960 A * 6/1916 Wells 15/228
1,508,941 A * 9/1924 Severns 15/229.6
1,998,278 A 4/1935 Halsey
D152,843 S 2/1949 Wagner
2,901,759 A * 9/1959 Smith et al. 15/147.1
D188,237 S 6/1960 Littleton
3,319,278 A * 5/1967 Frazer 15/41.1
3,528,120 A 9/1970 Lindstrom
3,720,976 A 3/1973 Bailey
3,820,187 A * 6/1974 Numbers et al. 15/244.2
D300,905 S * 5/1989 Perkins D9/415

1 Claim, 2 Drawing Sheets



US D553,317 S

Page 2

U.S. PATENT DOCUMENTS

D468,878	S	1/2003	Reede				
6,769,153	B1	8/2004	Post et al.				
6,895,626	B2 *	5/2005	Tsai	15/50.1			
2003/0074754	A1 *	4/2003	Holden	15/160			
2004/0031506	A1	2/2004	Tsai				
2004/0103490	A1	6/2004	Long et al.				
2004/0244132	A1	12/2004	Ouellette et al.				
2005/0060827	A1	3/2005	James et al.				
2005/0229344	A1 *	10/2005	Mittelstaedt et al.	15/104.94			
2005/0283933	A1 *	12/2005	Mitchell et al.	15/144.1			
2006/0168748	A1 *	8/2006	Dotterman et al.	15/115			
2006/0169301	A1 *	8/2006	Haskett et al.	134/6			

* cited by examiner

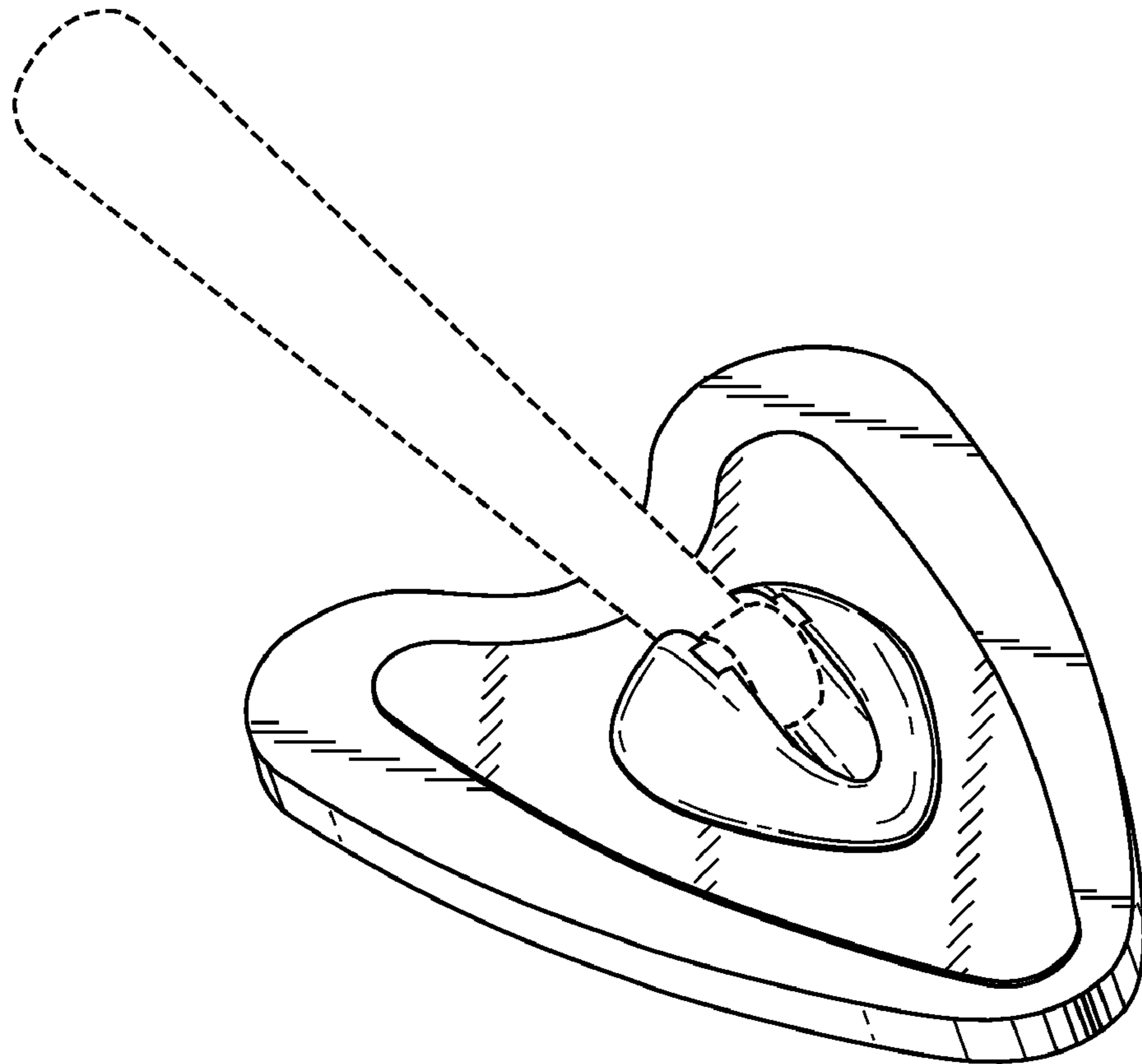


Fig. 1

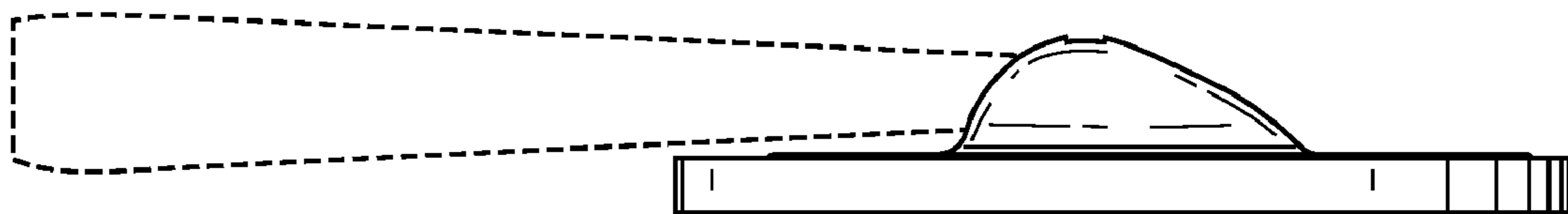


Fig. 2

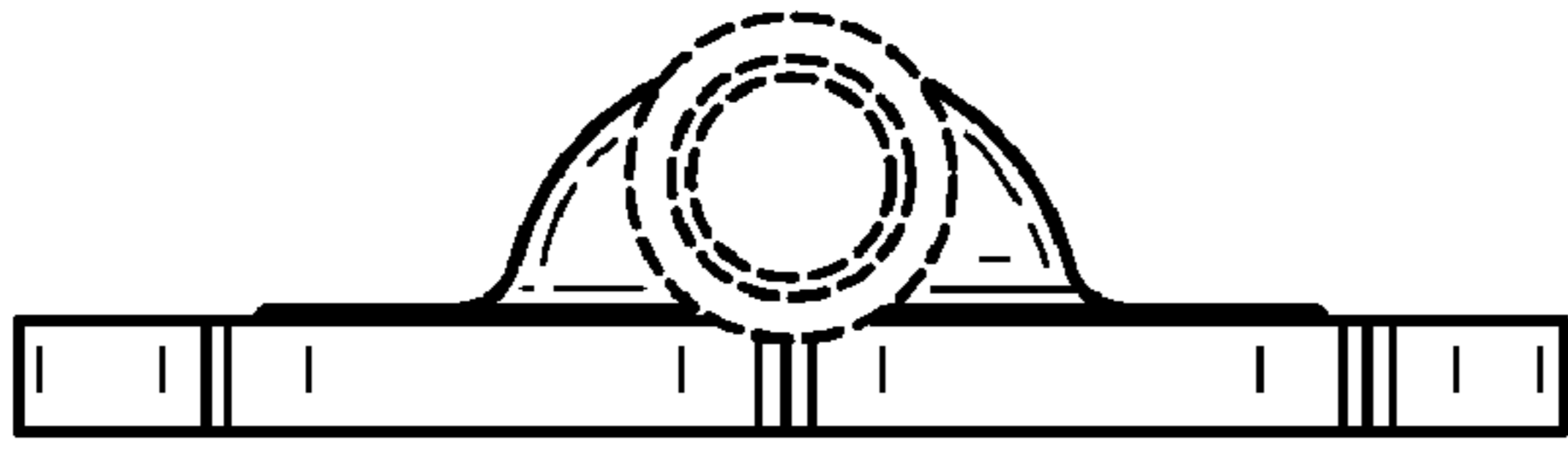


Fig. 3

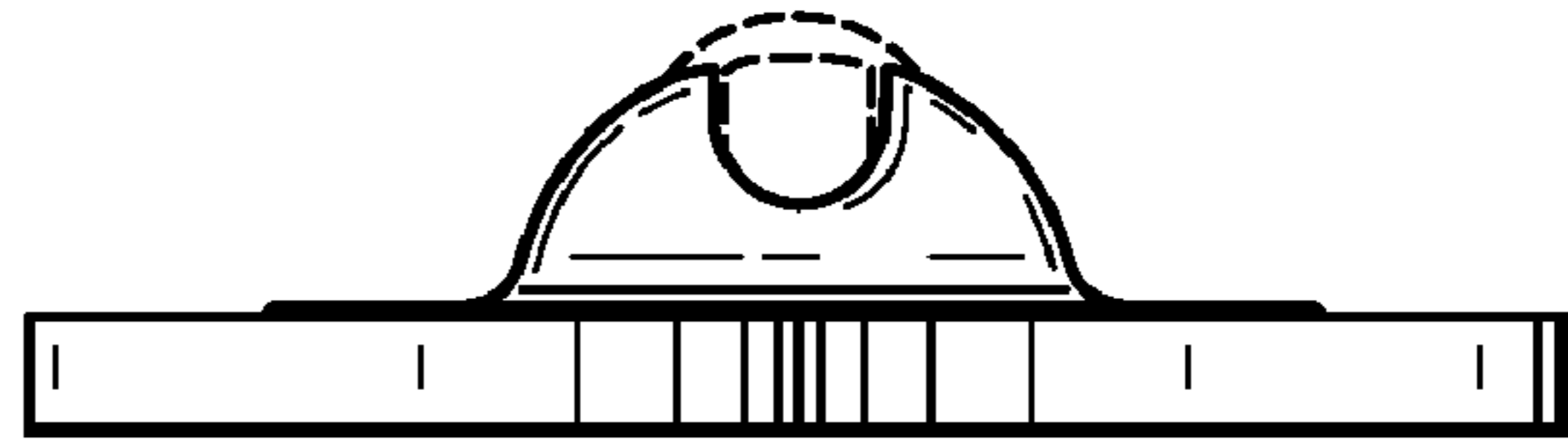


Fig. 4

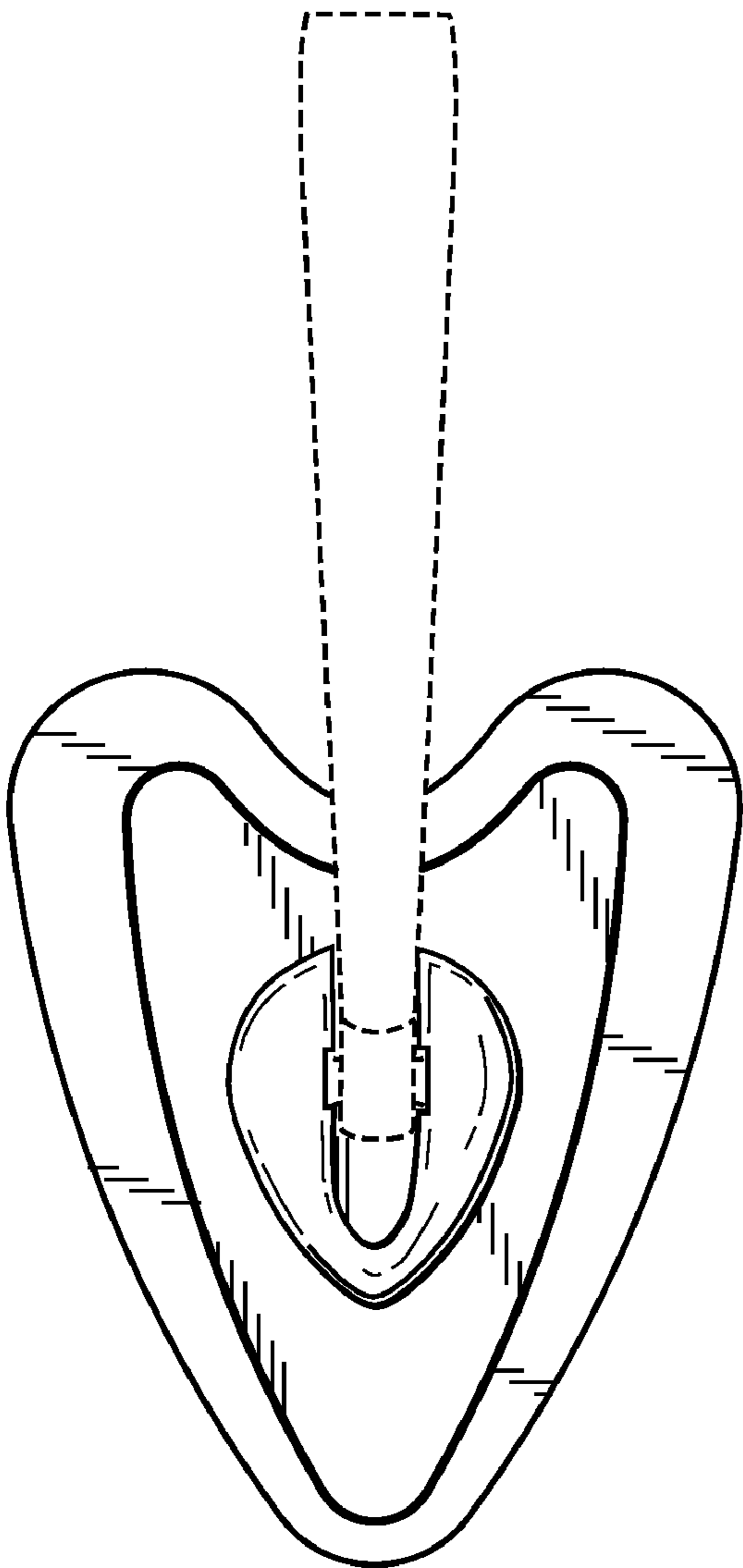


Fig. 5

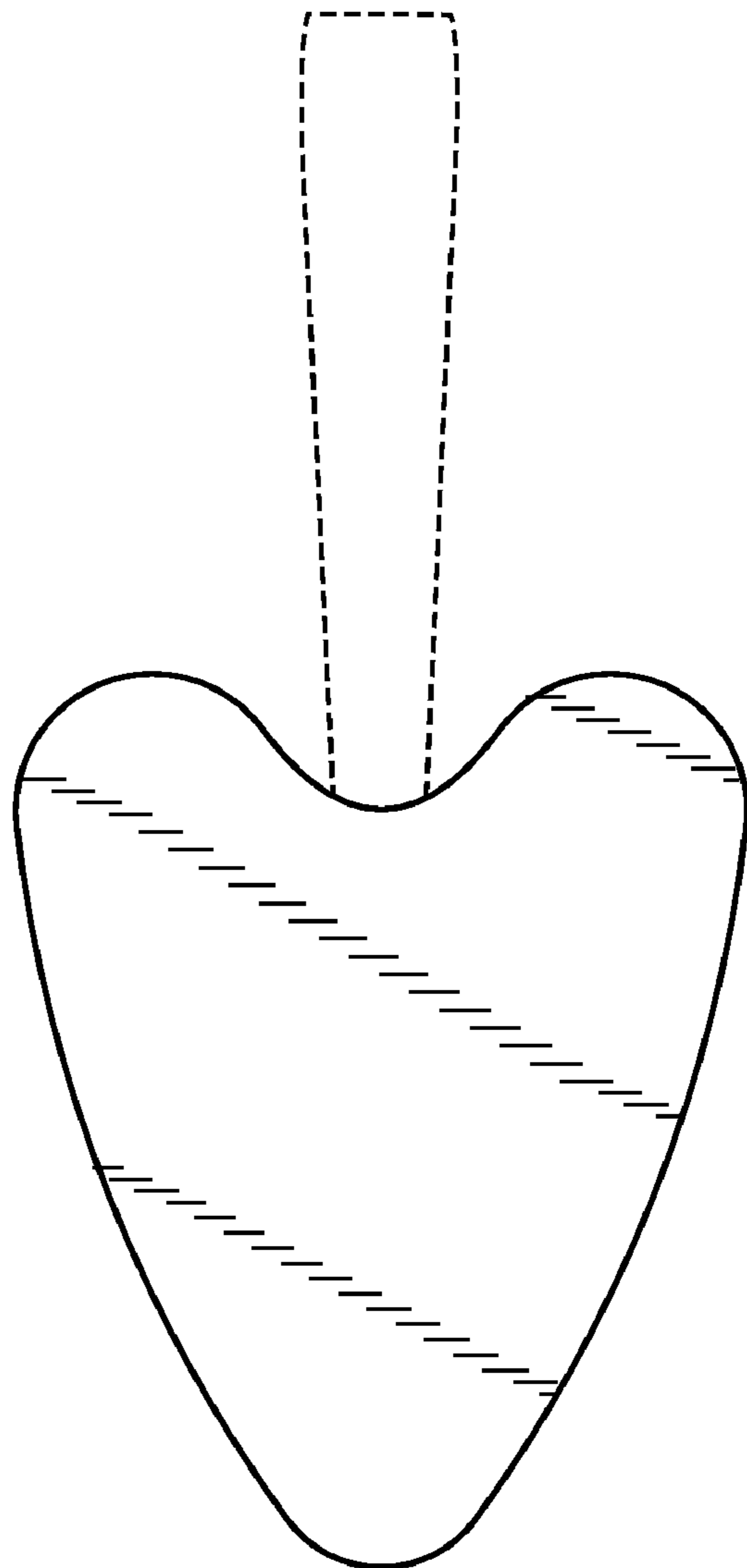


Fig. 6