



US00D633614S

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

(10) **Patent No.:** **US D633,614 S**
(45) **Date of Patent:** **** Mar. 1, 2011**

(54) **PORTION OF SURGICAL RETRACTOR WITH SENSOR**

5,769,781 A * 6/1998 Chappuis 600/202
5,803,904 A 9/1998 Mehdizadeh
5,891,018 A 4/1999 Wells
D411,883 S * 7/1999 Farascioni et al. D24/135
D420,130 S 2/2000 Nicholas et al.
D430,668 S 9/2000 Koros et al.

(75) Inventors: **Jimmy Jian-min Mao**, Fremont, CA (US); **Robert E. Lash**, Redwood City, CA (US)

(73) Assignee: **ViOptix Inc.**, Fremont, CA (US)

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

(Continued)

(21) Appl. No.: **29/324,562**

OTHER PUBLICATIONS

(22) Filed: **Sep. 15, 2008**

Nerve Root Retractors, Codman Surgical Product Catalog 380-385 (2004).

Related U.S. Application Data

Primary Examiner—Ian Simmons
Assistant Examiner—Charles D Hanson
(74) *Attorney, Agent, or Firm*—Aka Chan LLP

(62) Division of application No. 29/298,455, filed on Dec. 5, 2007, now Pat. No. Des. 578,647.

(51) **LOC (9) Cl.** **24-02**
(52) **U.S. Cl.** **D24/135**
(58) **Field of Classification Search** D24/133, D24/135, 140, 147; 600/201, 202, 210, 227, 600/212, 215, 206, 245, 226, 235; 606/160, 606/84

(57) **CLAIM**

The ornamental design for a portion of a surgical retractor with sensor, as shown and described.

See application file for complete search history.

DESCRIPTION

(56) **References Cited**

FIG. 1 shows a perspective view of a design for a portion of a surgical retractor with sensor.
FIG. 2 shows a left side view of the design.
FIG. 3 shows a right side view of the design.
FIG. 4 shows a bottom view of the design.
FIG. 5 shows a top view of the design.
FIG. 6 shows a front view of the design; and,
FIG. 7 shows a back view of the design.

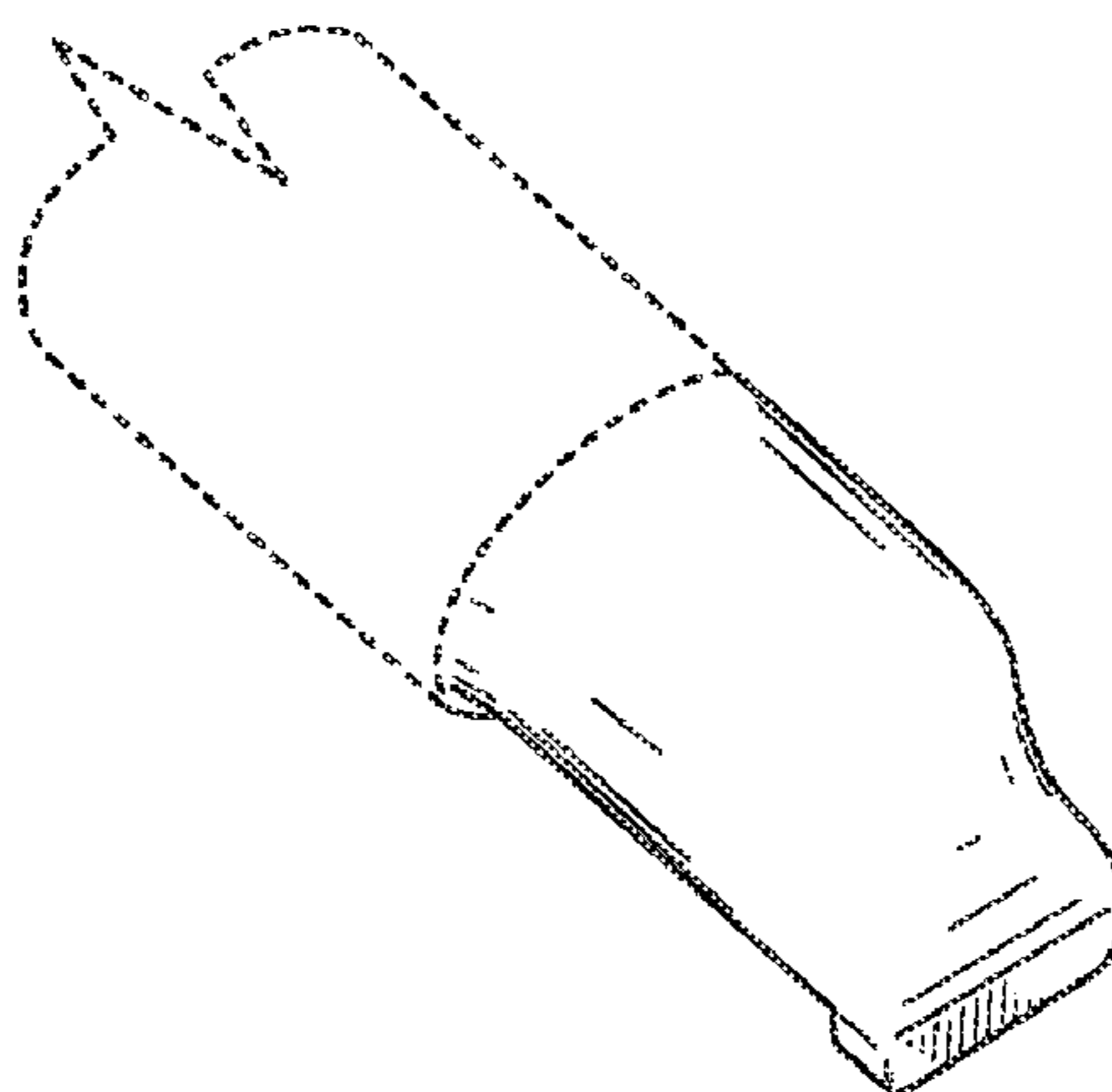
U.S. PATENT DOCUMENTS

3,394,700 A 7/1968 Yamamoto
D235,549 S 6/1975 Funderburk
4,049,000 A 9/1977 Williams
4,190,042 A 2/1980 Sinnreich
4,226,228 A * 10/1980 Shin et al. 600/206
D275,227 S 8/1984 Garner, Jr.
4,597,382 A 7/1986 Perez, Jr.
4,738,248 A 4/1988 Ray
4,883,426 A * 11/1989 Ferrer 433/91
4,919,616 A 4/1990 Croll
4,959,067 A 9/1990 Muller
D312,306 S 11/1990 Michelson
D318,116 S 7/1991 Michelson
5,123,403 A 6/1992 Lavyne
5,520,611 A 5/1996 Rao et al.

The broken-line features in the figures are for illustrative purposes only and form no part of the claimed design.

The broken lines immediately adjacent to the shaded surface areas are unclaimed boundary lines and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



US D633,614 S

Page 2

U.S. PATENT DOCUMENTS

D433,134 S	10/2000	Pitesky	6,994,548 B2	2/2006	Perret, Jr.	
D442,687 S	5/2001	Schulz	D533,946 S	12/2006	Lintner et al.	
D443,056 S	5/2001	Koros et al.	7,226,413 B2	6/2007	McKinley	
D453,377 S	2/2002	Schollhorn et al.	D574,493 S *	8/2008	Lash et al. D24/135
D457,957 S	5/2002	Sanford et al.	D575,398 S *	8/2008	Lash et al. D24/135
6,416,465 B2	7/2002	Brau	D578,647 S *	10/2008	Lash et al. D24/135
6,860,850 B2 *	3/2005	Phillips et al. 600/227	D582,034 S *	12/2008	Lash et al. D24/135
6,875,173 B2 *	4/2005	Suddaby 600/210	D593,201 S *	5/2009	Lash et al. D24/135
D510,768 S	10/2005	Farley	D603,046 S *	10/2009	Frey D24/146	
			2004/0193018 A1 *	9/2004	Thalgott et al. 600/227	

* cited by examiner

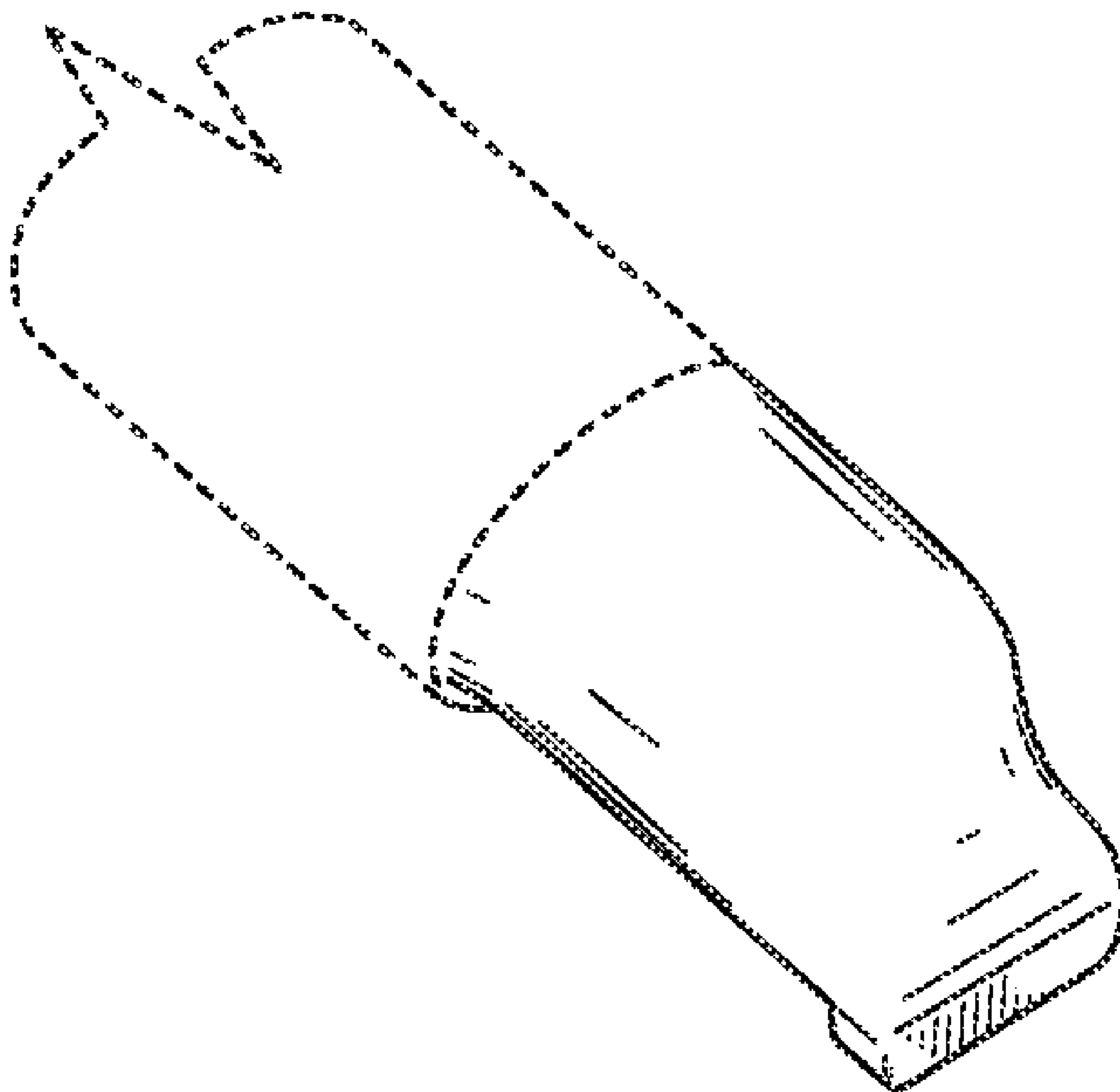


FIG. 1

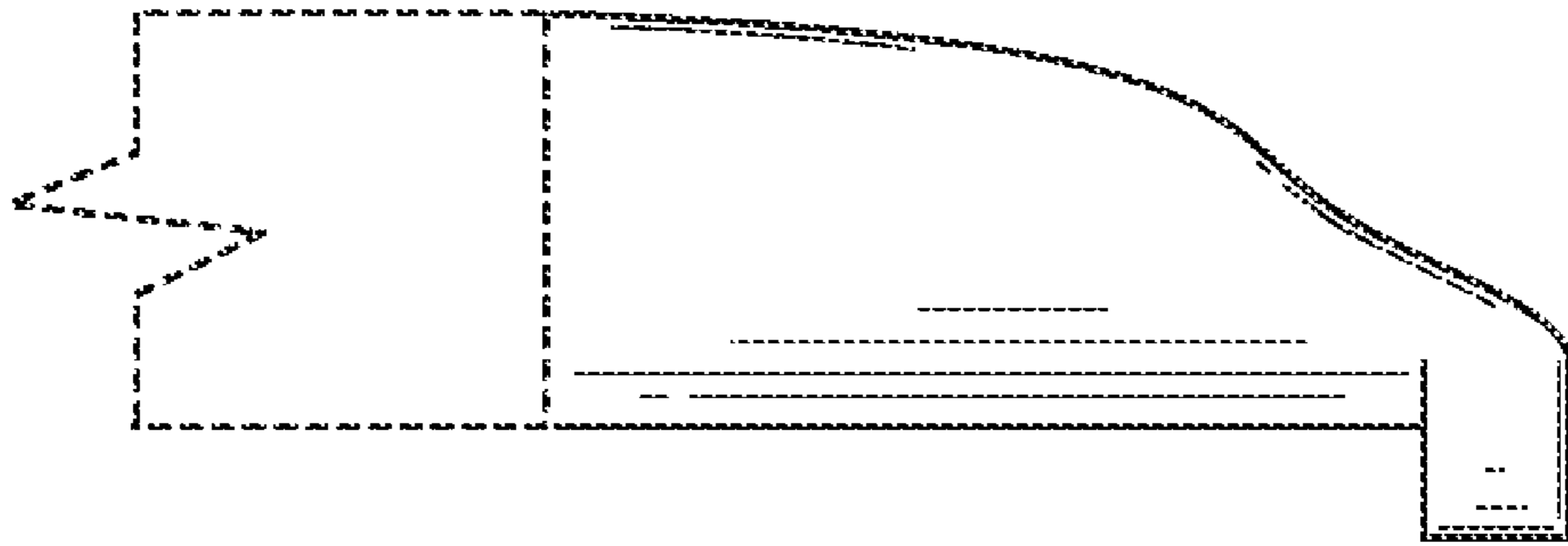


FIG. 2

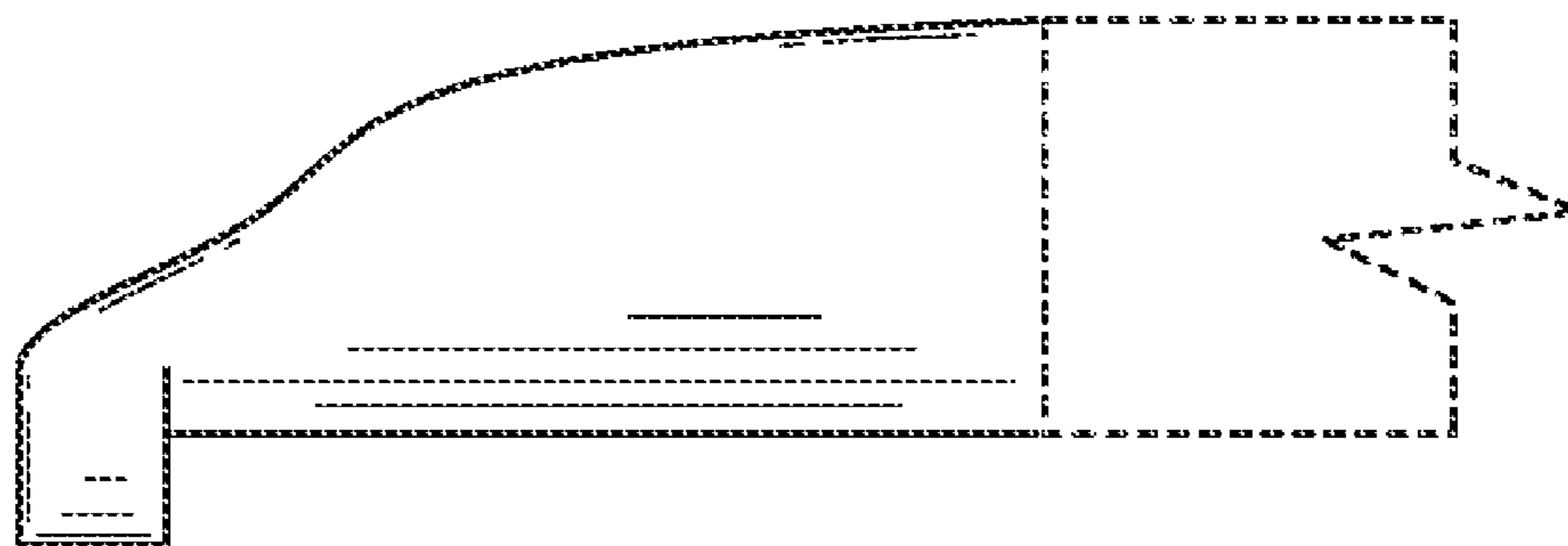


FIG. 3

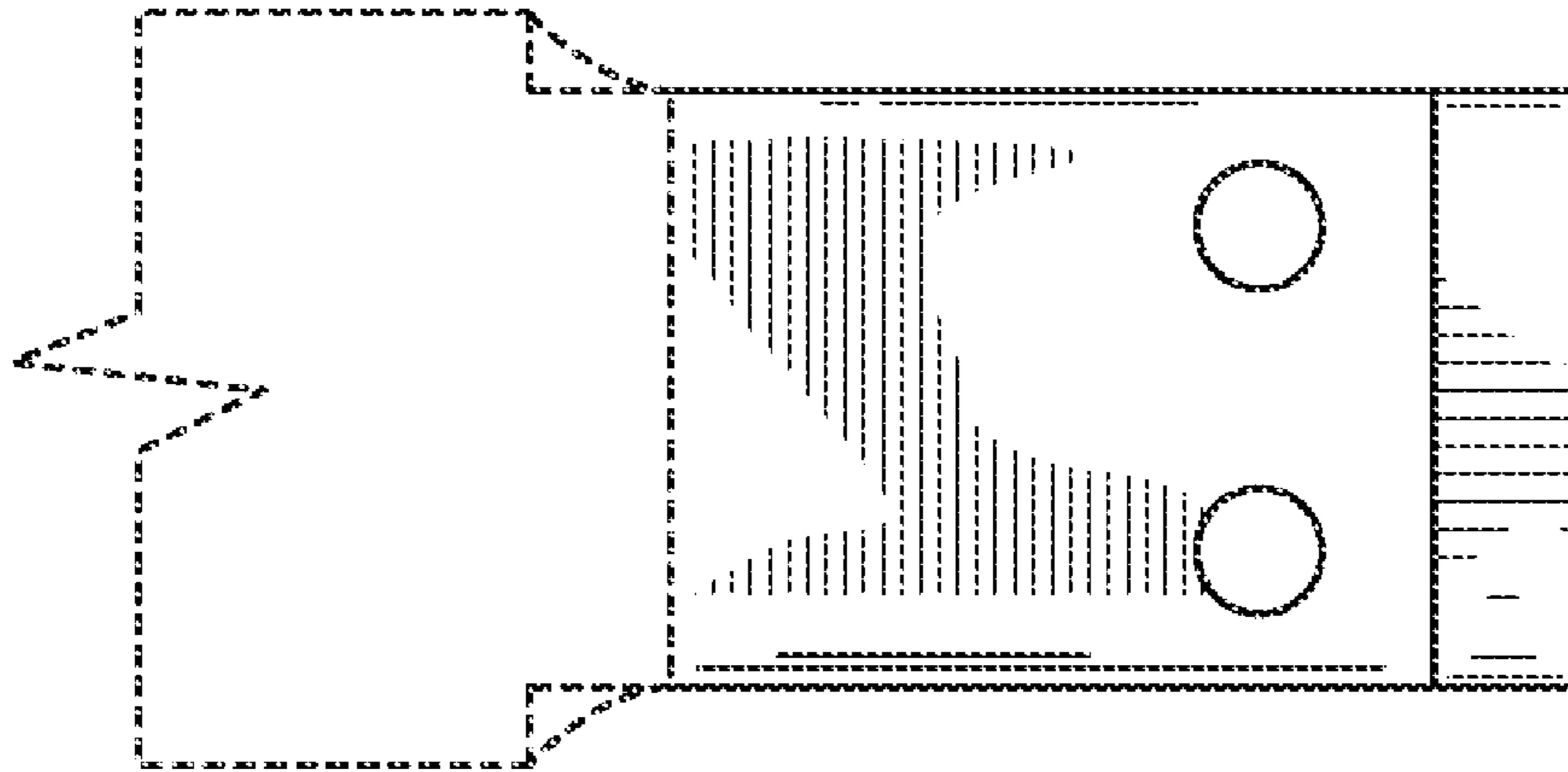


FIG. 4

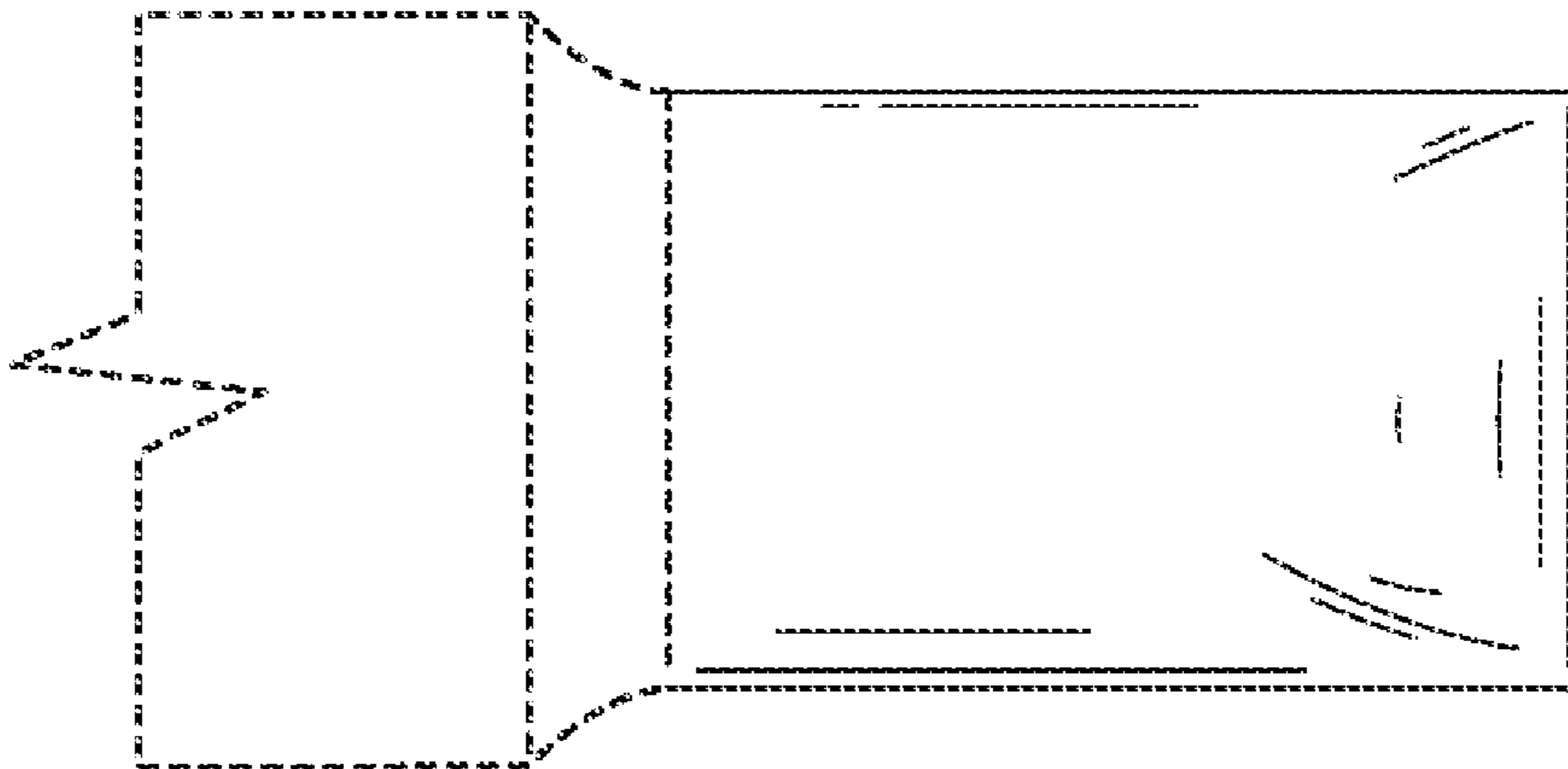


FIG. 5

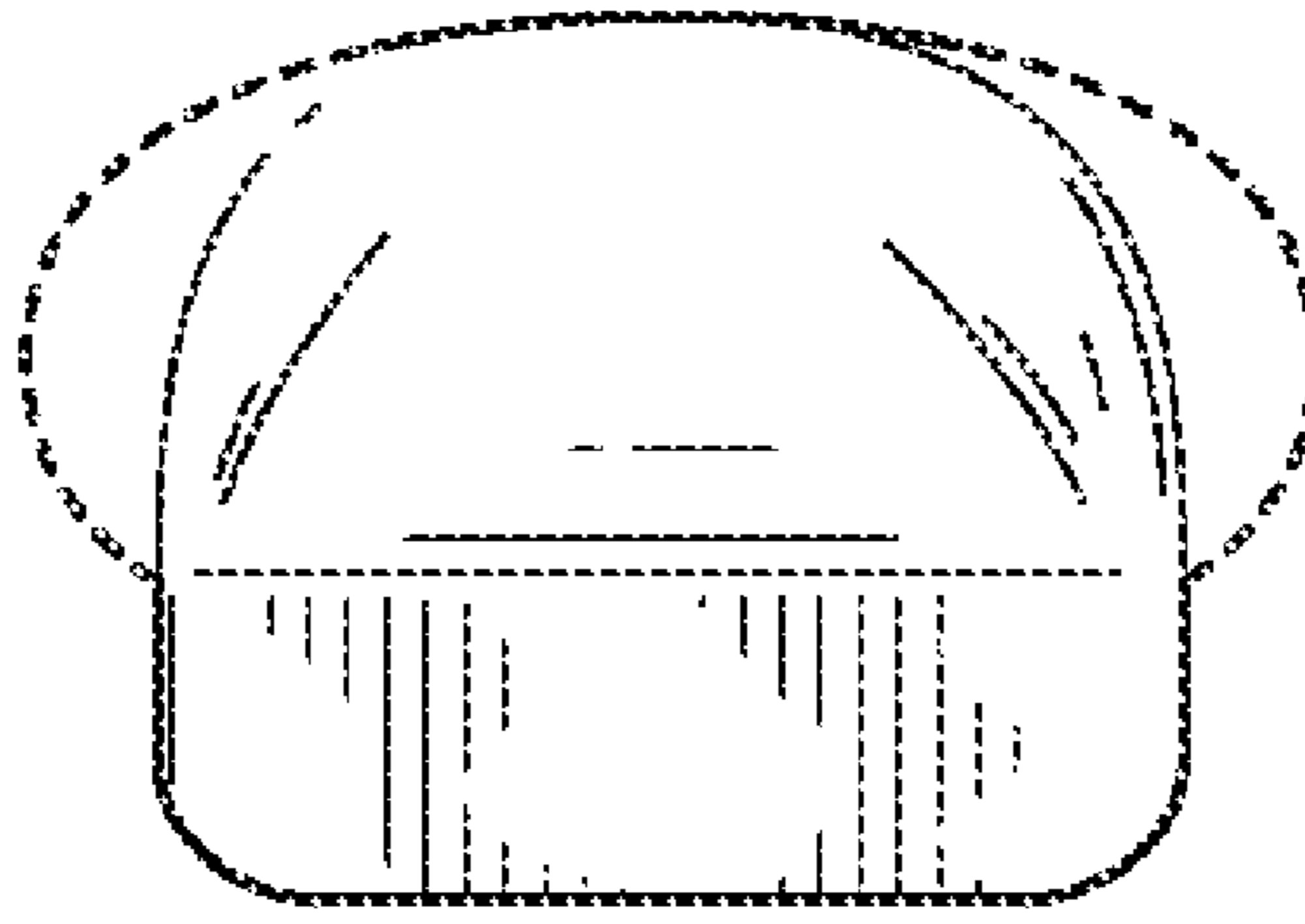


FIG. 6

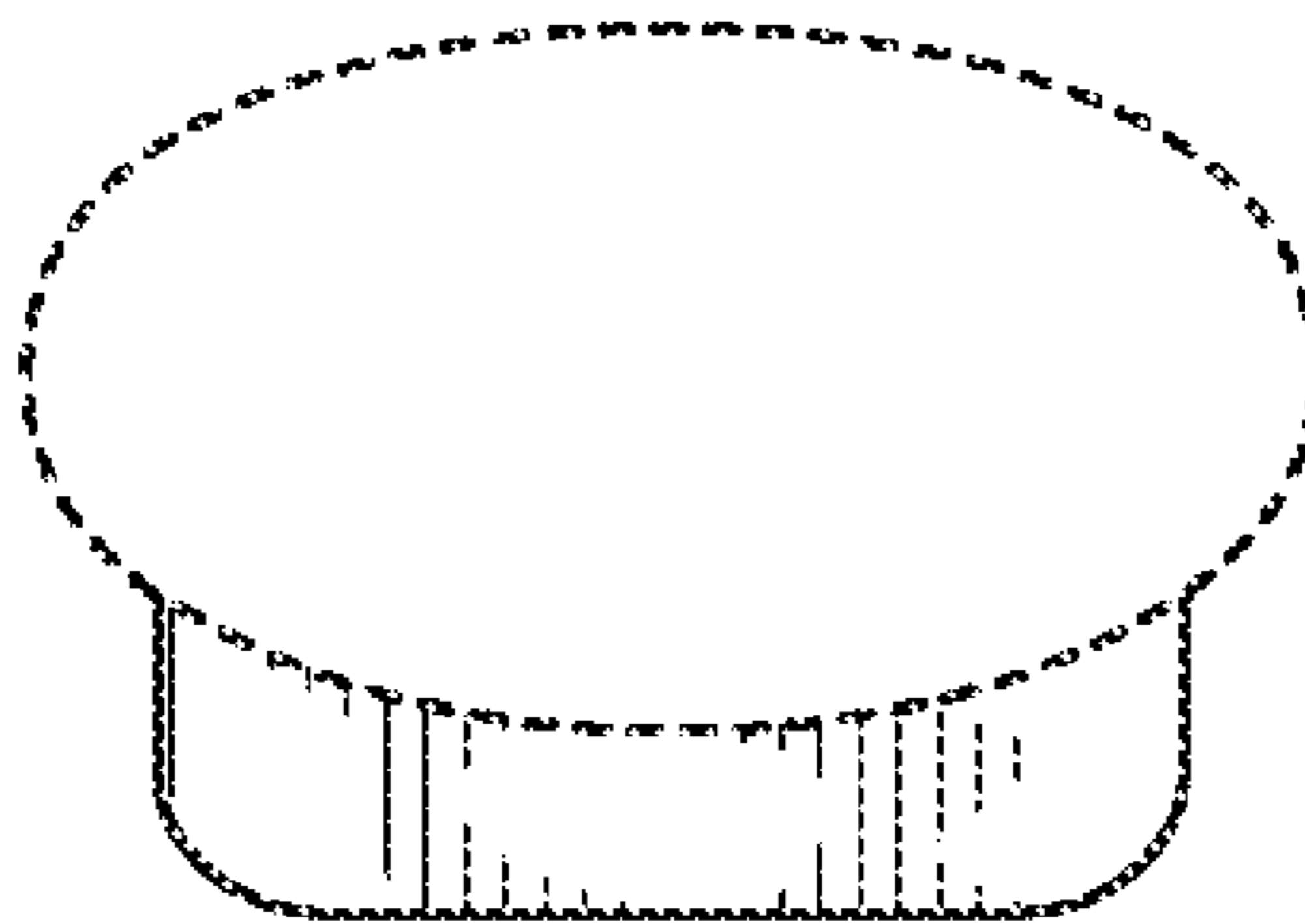


FIG. 7