

US00D543280S

(12) **United States Design Patent**
Khubani

(10) **Patent No.:** **US D543,280 S**

(45) **Date of Patent:** **** May 22, 2007**

(54) **LIGHT ACTIVATED TOOTH WHITENING APPARATUS**

(76) Inventor: **Ajit Khubani**, 55 Chestnut Ridge Rd., Saddle River, NJ (US) 07458

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

(21) Appl. No.: **29/226,933**

(22) Filed: **Apr. 1, 2005**

(51) **LOC (8) Cl.** **24-02**

(52) **U.S. Cl.** **D24/152**

(58) **Field of Classification Search** D24/180-181, D24/176, 155-156, 107; 433/37-43, 76, 433/173, 29, 32; D26/38, 46; 607/36; 362/804, 362/171, 183, 200; D10/64, 74, 70; D9/423
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,953,088 A	4/1934	Purdy	
2,257,709 A	9/1941	Anderson	
2,299,467 A	10/1942	Colby	
D180,648 S	* 7/1957	Graubner D26/46
2,800,896 A	7/1957	Thum	
3,060,935 A	10/1962	Riddell	
3,118,450 A	1/1964	Freeman et al.	
D199,800 S	* 12/1964	Schwartz D26/46
3,488,848 A	1/1970	Lerman	
3,527,219 A	9/1970	Greenberg	
3,624,909 A	12/1971	Greenberg	
D225,673 S	* 12/1972	Angibaud D26/46
165,584 A	7/1975	Hopfen	
3,955,281 A	5/1976	Weitzman	
D243,361 S	* 2/1977	Corber et al. D26/46
4,064,628 A	12/1977	Weitzman	
D263,433 S	* 3/1982	Cunha D26/38
4,376,628 A	3/1983	Aardse	
4,553,936 A	11/1985	Wang	
4,592,344 A	6/1986	Scheer	
4,716,902 A	1/1988	Swartz	
4,790,752 A	12/1988	Cheslak	
D302,724 S	* 8/1989	Huffman D24/181

4,867,682 A	9/1989	Hammesfahr et al.	
4,944,313 A	7/1990	Katz et al.	
4,952,143 A	8/1990	Becker et al.	
5,063,483 A	11/1991	Feilmeier et al.	
5,104,315 A	4/1992	McKinley	
5,165,424 A	11/1992	Silverman	
5,316,473 A	5/1994	Hare	
D363,562 S	10/1995	Schildt	
5,487,662 A	1/1996	Kipke et al.	
5,522,847 A	6/1996	Kalis et al.	
D376,218 S	* 12/1996	Urquhart D26/46

(Continued)

FOREIGN PATENT DOCUMENTS

GB 1014815 * 4/1998

OTHER PUBLICATIONS

“Ionic White Tooth Whitening System”, Instructions For Use, Ionic White, Inc., 2004.

Miara, P., “An Innovative Chairside Bleaching Protocol For Treating Stained Dentition: Initial Results”, Pract. Periodont. Aesthet. Dent., vol. 12(7): pp. 669-676, 2000.

“New Generation In-Office Vital Tooth Bleaching”, Clinical Research Associates, 2004.

Primary Examiner—Charles A. Rademaker
(74) *Attorney, Agent, or Firm*—Cooper & Dunham LLP

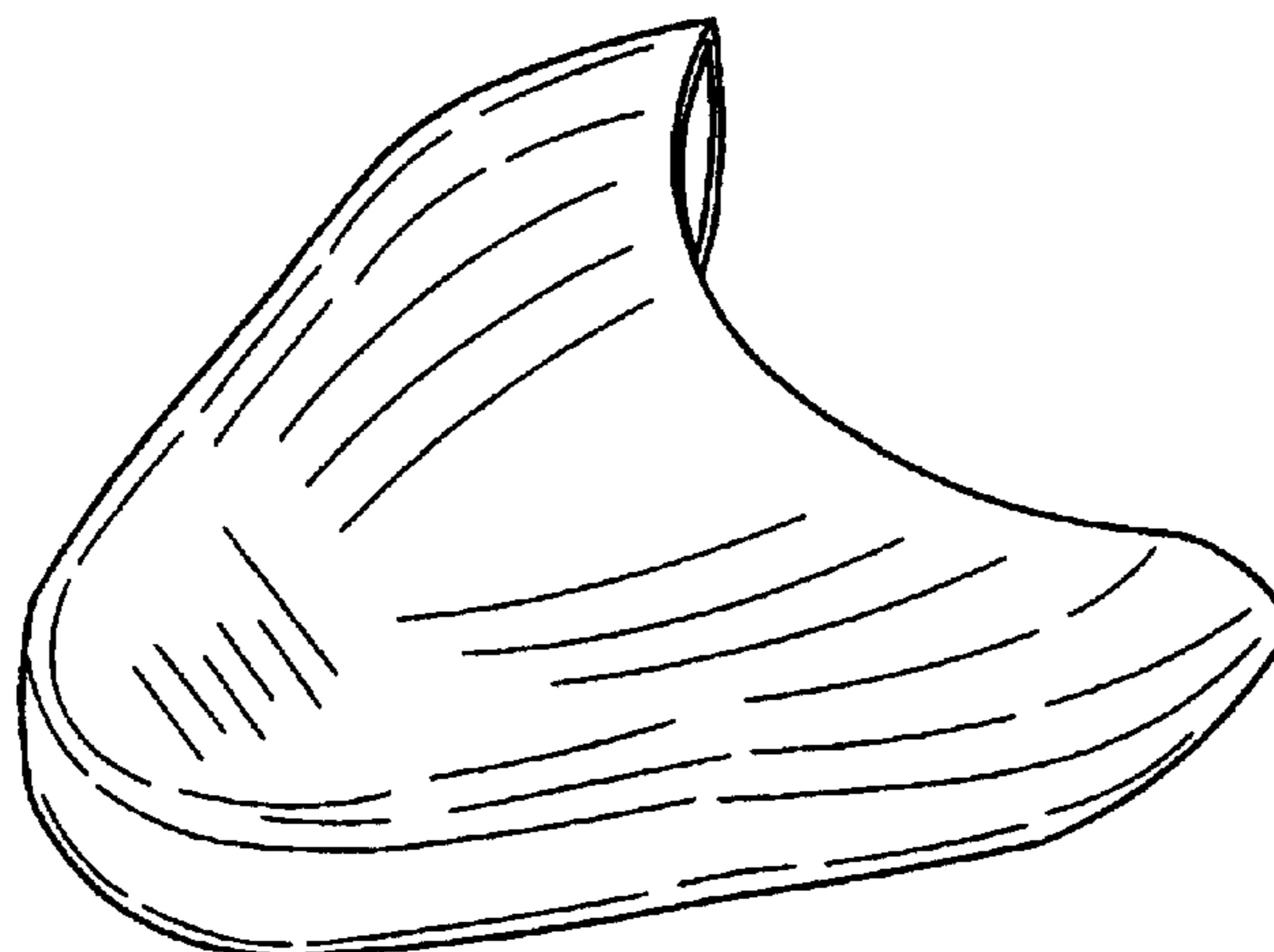
(57) **CLAIM**

The ornamental design for a light activated tooth whitening apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a top view of a light activated tooth whitening apparatus showing our new design; FIG. 2 is a bottom view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a front view thereof; FIG. 5 is a right hand side view thereof; and FIG. 6 is a left hand side view thereof; and, FIG. 7 is a perspective view thereof.

1 Claim, 4 Drawing Sheets



US D543,280 S

Page 2

U.S. PATENT DOCUMENTS			
D378,619	S	*	3/1997 Ng D26/38
5,634,711	A		6/1997 Kennedy et al.
5,702,250	A		12/1997 Kipke
5,702,251	A		12/1997 McClintock, II
5,711,665	A		1/1998 Adam et al.
5,718,577	A		2/1998 Oxman et al.
5,816,802	A		10/1998 Montgomery
5,972,025	A		10/1999 Taysom
6,022,214	A		2/2000 Hirsch et al.
6,036,494	A		3/2000 Cohen
6,077,073	A		6/2000 Jacob
6,089,869	A		7/2000 Schwartz
6,126,443	A		10/2000 Burgio
6,162,055	A		12/2000 Montgomery et al.
6,183,251	B1		2/2001 Fischer
D438,622	S		3/2001 Chang
6,213,671	B1		4/2001 Chang
6,299,441	B1		10/2001 Novak
D452,320	S	*	12/2001 Huffman D24/176
6,343,932	B1		2/2002 Wiesel
6,368,576	B1		4/2002 Jensen et al.
6,391,283	B1		5/2002 Jensen et al.
6,416,319	B1	*	7/2002 Cipolla 433/29
D463,052	S	*	9/2002 Shiu D26/38
D464,432	S	*	10/2002 Huffman D24/176
6,497,575	B2		12/2002 Zavitsanos et al.
6,506,053	B2		1/2003 Wiesel
6,533,582	B2		3/2003 Lindquist
6,616,447	B1		9/2003 Rizoii et al.
6,733,290	B2		5/2004 West et al.
D496,495	S	*	9/2004 Jeffers et al. D9/423
6,840,771	B1		1/2005 Wagner
6,893,258	B1		5/2005 Kert
6,893,259	B1		5/2005 Reizenson
2002/0137001	A1	*	9/2002 Cipolla et al. 433/29
2002/0172919	A1		11/2002 Zavitsanos et al.
2003/0036037	A1		2/2003 Zavitsanos et al.
2003/0091954	A1	*	5/2003 West et al. 433/29
2003/0180688	A1		9/2003 Vocaturo et al.
2004/0076926	A1		4/2004 Baughman
2004/0110111	A1		6/2004 Wasylucha
2004/0146837	A1		7/2004 Andersen
2004/0147974	A1	*	7/2004 Engmark et al. 607/36
2005/0048434	A1		3/2005 Cipolla et al.
2005/0048444	A1		3/2005 Creamer
2005/0064371	A1		3/2005 Soukos et al.
2006/0019214	A1		1/2006 Lawrence et al.
2006/0029901	A1	*	2/2006 Rose et al. 433/29

* cited by examiner

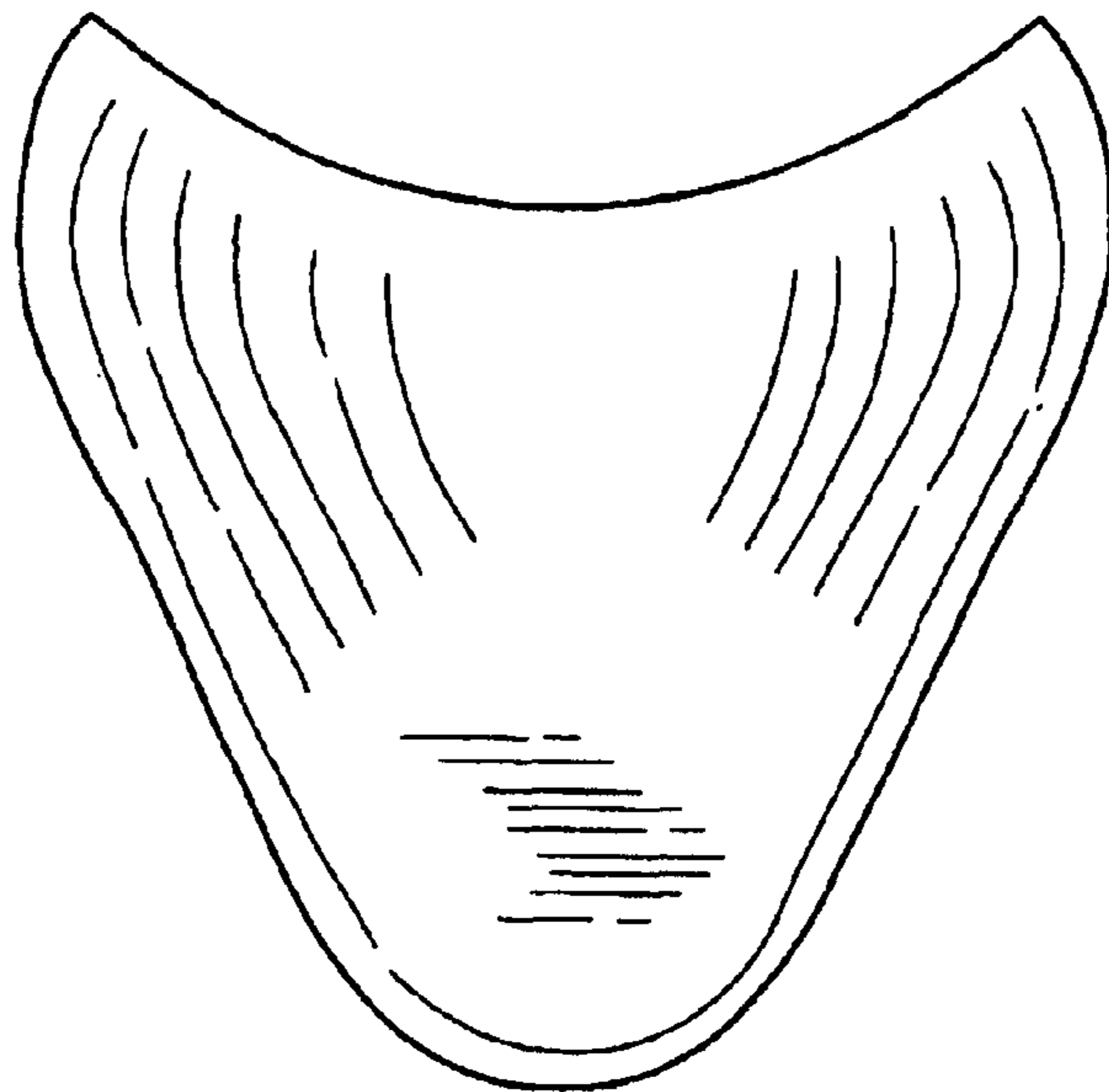


FIG. 1

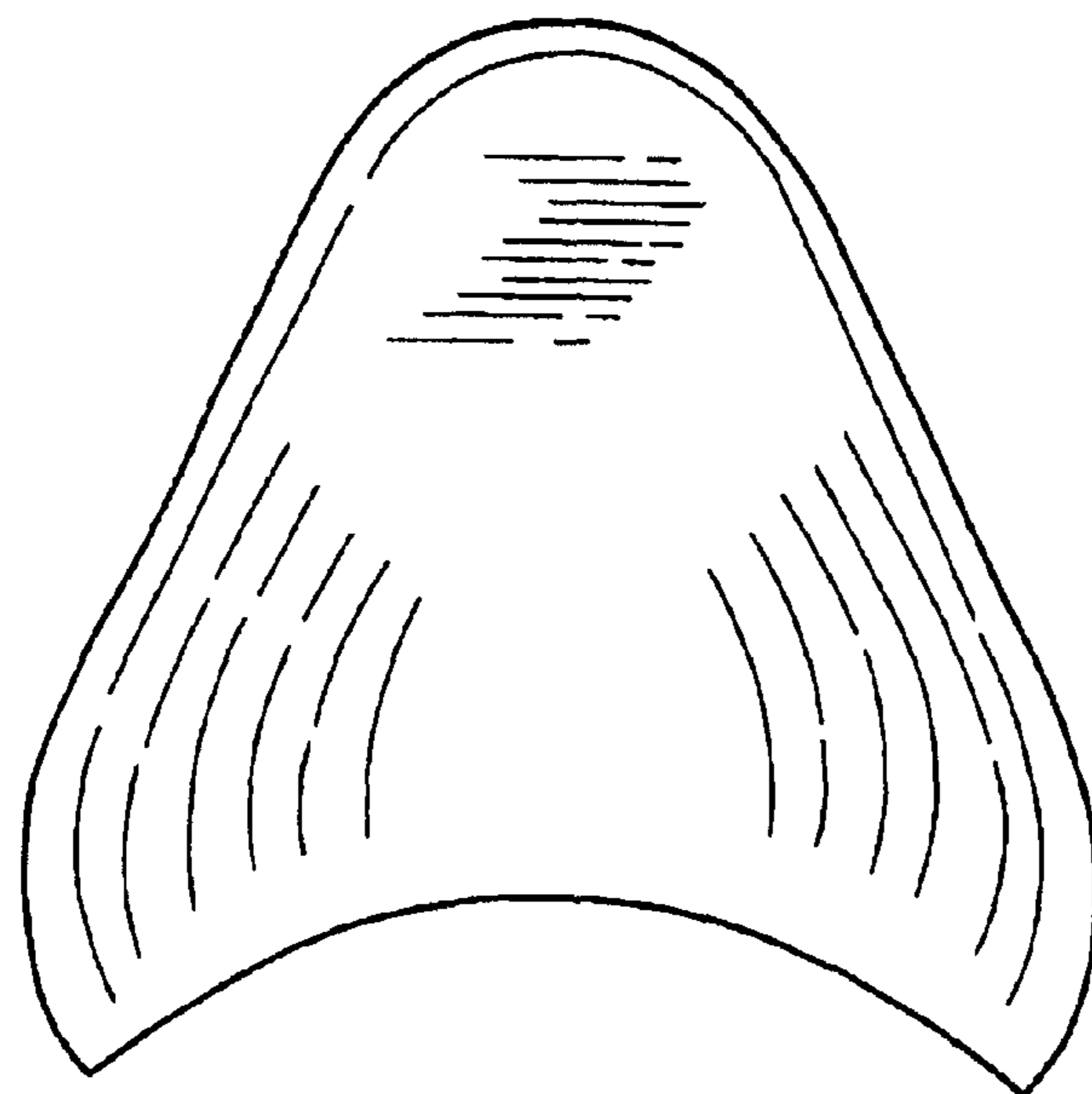


FIG. 2

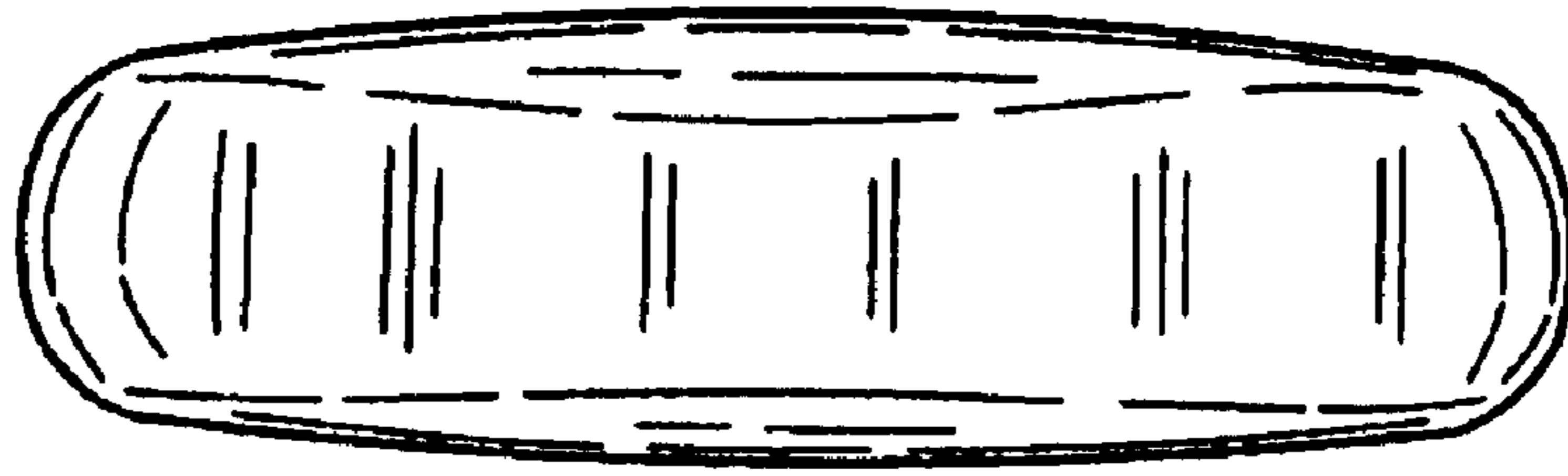


FIG. 3

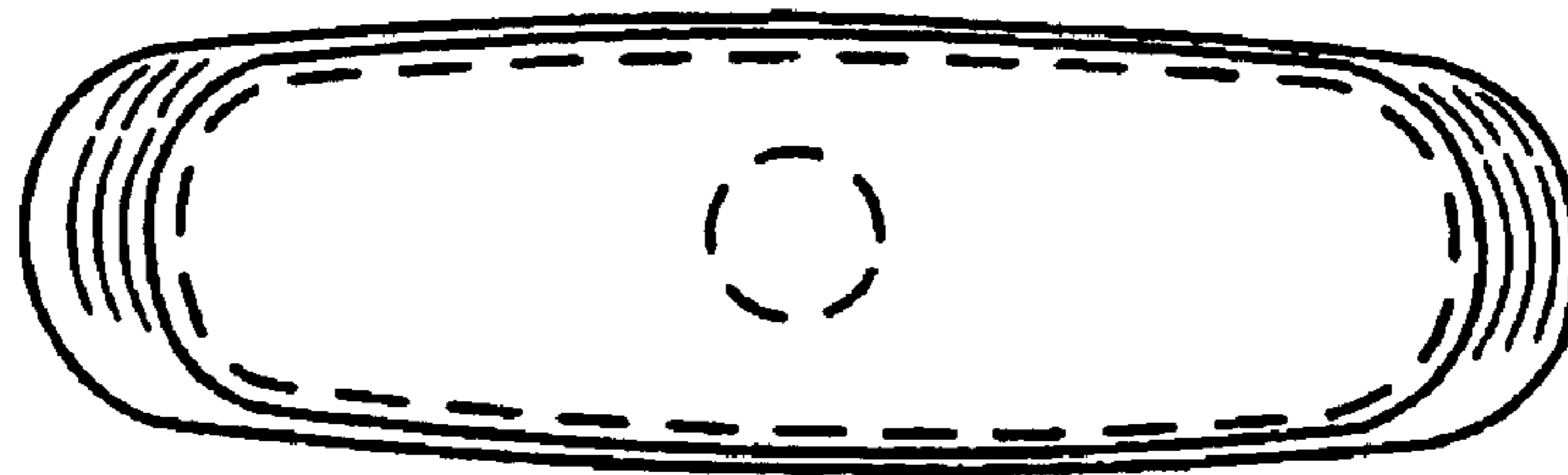


FIG. 4

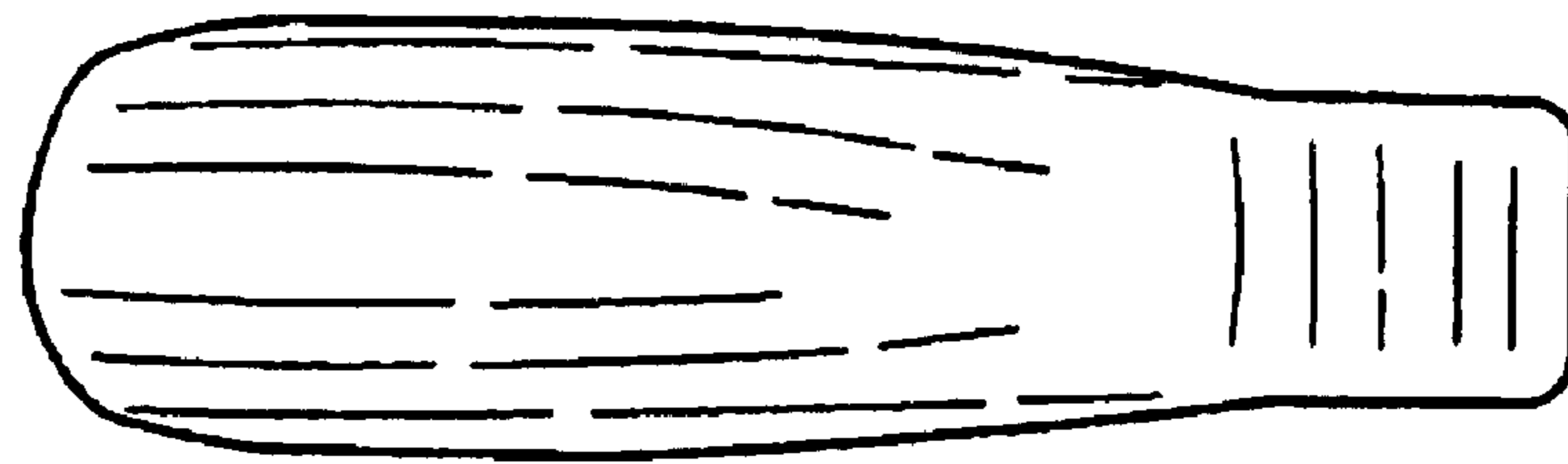


FIG. 5



FIG. 6

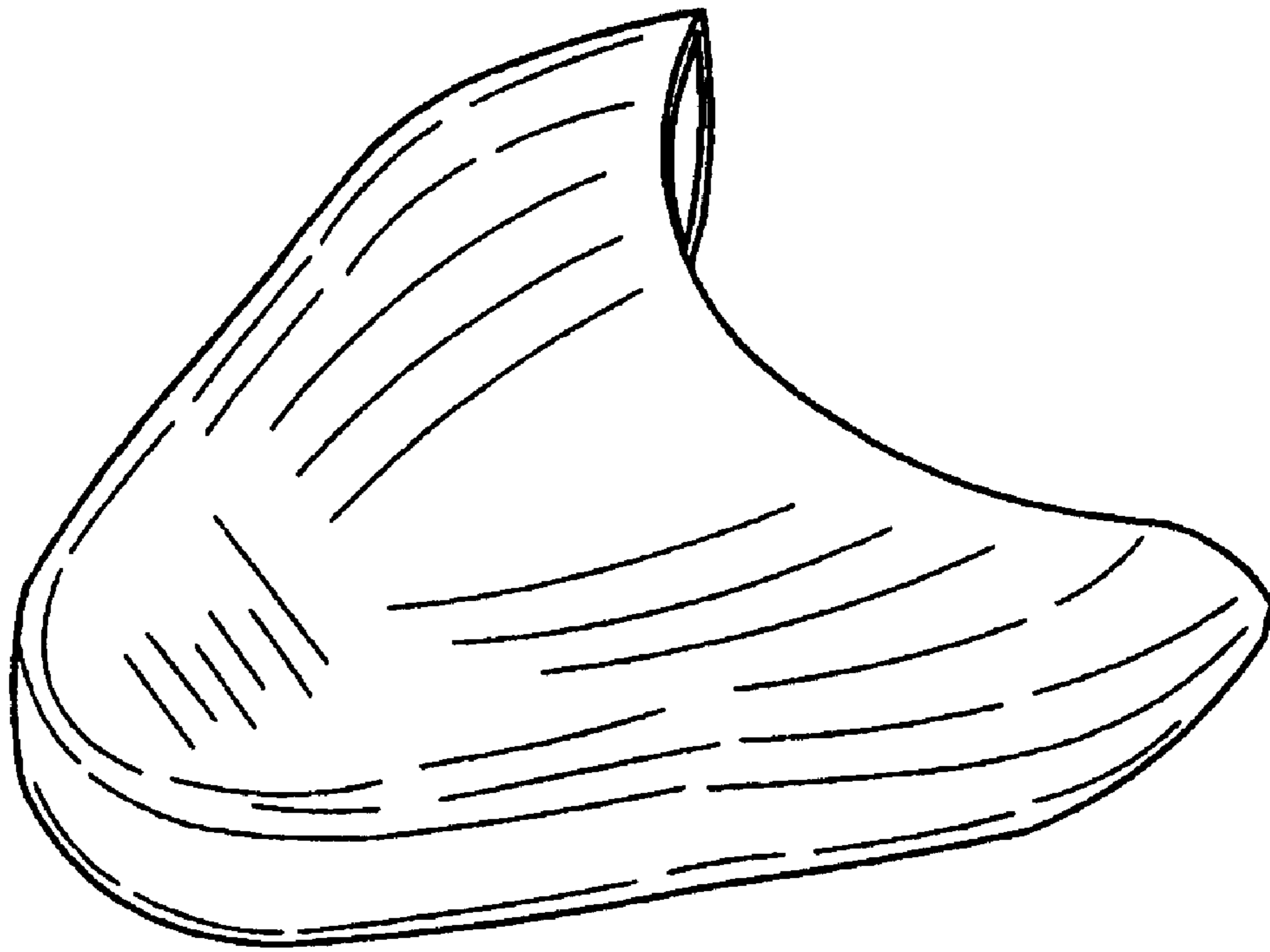


FIG. 7