



US00D585997S

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

(10) **Patent No.:** **US D585,997 S**
(45) **Date of Patent:** **** Feb. 3, 2009**

(54) **LIGHT-BASED DERMAL ENHANCING APPARATUS**

2,538,685 A * 1/1951 Schroer et al. 607/90
2,590,447 A 3/1952 Nord, Jr. et al.

(Continued)

(75) Inventors: **Horst R. Adam**, San Mateo, CA (US);
Victor C. Esch, Albuquerque, NM (US);
Marc P. Maisel, Los Altos, CA (US);
Joseph Robert Rimsa, Palo Alto, CA (US)

FOREIGN PATENT DOCUMENTS

DE 10341141 A 9/2003

(Continued)

(73) Assignee: **Light Dimensions, Inc.**, Palo Alto, CA (US)

OTHER PUBLICATIONS

Office Action from U.S. Appl. No. 11/549,524 dated Aug. 3, 2003.

(Continued)

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

Primary Examiner—Ian Simmons

(21) Appl. No.: **29/275,315**

Assistant Examiner—Wan Laymon

(22) Filed: **Dec. 20, 2006**

(74) *Attorney, Agent, or Firm*—Paul, Hastings, Janofsky & Walker LLP

Related U.S. Application Data

(57) **CLAIM**

(63) Continuation of application No. 11/549,524, filed on Oct. 13, 2006.

The ornamental design for a light-based dermal enhancing apparatus, as shown and described.

(51) **LOC (9) Cl.** **28-03**

DESCRIPTION

(52) **U.S. Cl.** **D24/210; D24/107; D24/133; D24/200**

FIG. 1 is a perspective view of a light-based dermal enhancing apparatus, showing our new design;

(58) **Field of Classification Search** D24/209–210, D24/214–215, 133, 200, 158, 107; 607/88–90, 607/1–2, 7, 96, 100; 604/289, 114, 313; 362/612, 800, 611, 555; 606/2, 13, 9, 32, 606/1, 11–12, 27–31, 131; D26/37–39, 48, D26/50

FIG. 2 is a left side view of the light-based dermal enhancing apparatus of FIG. 1;

See application file for complete search history.

FIG. 3 is a right side view of the light-based dermal enhancing apparatus of FIG. 1;

(56) **References Cited**

FIG. 4 is a top view of the light-based dermal enhancing apparatus of FIG. 1;

U.S. PATENT DOCUMENTS

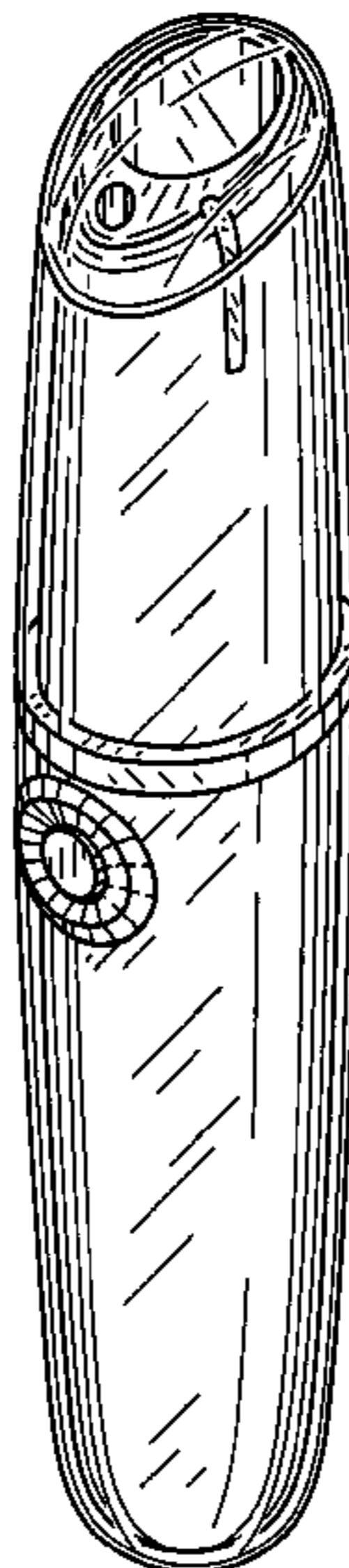
1,259,169 A 3/1918 Train
1,554,159 A 9/1925 Hodges
1,948,990 A 2/1934 Mitlehner
1,951,569 A * 3/1934 Vestvold 313/112
2,397,757 A 4/1946 Schwedersky

FIG. 5 is a bottom view of the light-based dermal enhancing apparatus of FIG. 1;

FIG. 6 is a front view of the light-based dermal enhancing apparatus of FIG. 1; and,

FIG. 7 is a rear view of the light-based dermal enhancing apparatus of FIG. 1.

1 Claim, 7 Drawing Sheets



US D585,997 S

Page 2

U.S. PATENT DOCUMENTS					
2,688,971	A	9/1954 Daniels et al.	6,616,451	B1	9/2003 Rizolu et al.
3,261,978	A	7/1966 Brenman	6,618,614	B1	9/2003 Chance
4,253,212	A	3/1981 Fujita	6,623,272	B2	9/2003 Clemans
4,646,743	A	3/1987 Parris	6,629,971	B2	10/2003 McDaniel
4,742,235	A	5/1988 Koji	6,632,218	B1	10/2003 Furumoto et al.
4,779,173	A	10/1988 Carr et al.	6,638,496	B2	10/2003 McLaughlin
4,930,504	A	6/1990 Diamantopoulos et al.	6,641,600	B1	11/2003 Kohler
4,983,381	A	1/1991 Torres Zaragoza	6,648,904	B2	11/2003 Altshuler et al.
4,988,354	A	1/1991 Locke	6,653,618	B2	11/2003 Zenzie
5,030,090	A	7/1991 Maeda et al.	6,663,620	B2	12/2003 Altshuler et al.
5,048,144	A	9/1991 Andrews	6,663,659	B2	12/2003 McDaniel
5,065,515	A	11/1991 Iderosa	6,666,878	B2	12/2003 Carlgren
5,094,619	A	3/1992 McLaughlin	D485,910	S *	1/2004 Chan D24/215
5,182,857	A	2/1993 Simon	6,673,096	B2	1/2004 Lach
5,259,380	A	11/1993 Mendes et al.	6,676,655	B2	1/2004 McDaniel
5,299,104	A	3/1994 Parmentier	6,702,838	B1	3/2004 Andersen et al.
5,300,097	A	4/1994 Lerner et al.	6,709,269	B1	3/2004 Altshuler
5,303,722	A	4/1994 Godfrey et al.	6,723,090	B2	4/2004 Altshuler et al.
5,306,143	A	4/1994 Levy	6,730,114	B1	5/2004 Guibert et al.
5,405,368	A	4/1995 Eckhouse	6,746,444	B2	6/2004 Key
5,445,608	A	8/1995 Chen et al.	6,752,627	B2	6/2004 Lin
D366,703	S *	1/1996 Huen D24/214	D495,076	S *	8/2004 Mandel D26/37
5,549,660	A	8/1996 Mendes et al.	6,808,532	B2	10/2004 Andersen et al.
5,582,476	A	12/1996 Hansen	6,811,563	B2	11/2004 Savage, Jr. et al.
5,595,437	A	1/1997 Rapisarda et al.	6,835,202	B2	12/2004 Harth et al.
RE35,484	E	3/1997 McLaughlin	6,862,771	B1	3/2005 Muller
5,616,140	A	4/1997 Prescott	6,872,221	B2	3/2005 Lytle
5,645,428	A	7/1997 Yarborough	6,875,225	B1	4/2005 Pederson et al.
5,713,738	A	2/1998 Yarborough	6,878,144	B2	4/2005 Altshuler et al.
5,813,855	A	9/1998 Crisio, Jr.	6,887,260	B1	5/2005 McDaniel
5,836,999	A	11/1998 Eckhouse et al.	6,896,693	B2	5/2005 Sullivan
5,843,072	A	12/1998 Furumoto et al.	6,902,397	B2	6/2005 Farrell et al.
5,871,479	A	2/1999 Furumoto et al.	6,915,576	B2	7/2005 Brzezinski
6,019,482	A	2/2000 Everett	6,916,316	B2	7/2005 Jay
6,026,828	A	2/2000 Altshuler	D508,131	S	8/2005 Kent et al.
6,029,303	A	2/2000 Dewan	6,936,044	B2	8/2005 McDaniel
6,029,304	A	2/2000 Hulke et al.	D509,301	S *	9/2005 Talbot et al. D24/215
6,050,990	A	4/2000 Tankovich et al.	6,945,777	B2	9/2005 Black
6,053,180	A	4/2000 Kwan	6,953,341	B2	10/2005 Black
6,102,705	A	8/2000 Darnell	6,955,672	B2	10/2005 Cense et al.
6,106,294	A	8/2000 Daniel	6,989,023	B2	1/2006 Black
6,108,850	A	8/2000 McLaughlin	6,997,924	B2	2/2006 Schwartz et al.
6,171,332	B1	1/2001 Whitehurst	7,002,121	B2	2/2006 Monteleone et al.
6,183,500	B1	2/2001 Kohler	7,006,874	B2	2/2006 Knowlton et al.
6,202,242	B1	3/2001 Salmon et al.	D519,214	S *	4/2006 Lansohn D24/210
6,221,095	B1	4/2001 Van Zuylen et al.	7,041,094	B2	5/2006 Connors et al.
6,254,388	B1	7/2001 Yarborough	7,211,986	B1	5/2007 Flowerdew et al.
6,274,122	B1	8/2001 McLaughlin	7,223,281	B2	5/2007 Altshuler et al.
6,280,438	B1	8/2001 Eckhouse et al.	D569,987	S *	5/2008 Oberreiter et al. D24/210
6,283,956	B1	9/2001 McDaniel	2001/0023363	A1	9/2001 Harth et al.
6,290,496	B1	9/2001 Azar et al.	2001/0041856	A1	11/2001 McDaniel
6,290,713	B1	9/2001 Russell	2002/0001202	A1	1/2002 Williams et al.
6,295,390	B1	9/2001 Kobayashi et al.	2002/0002391	A1	1/2002 Gerdes
6,343,400	B1	2/2002 Massholder et al.	2002/0058930	A1	5/2002 Furumoto
6,361,320	B2	3/2002 Yarborough	2002/0077678	A1	6/2002 Andersen et al.
6,379,376	B1	4/2002 Lubart	2002/0095143	A1	7/2002 Key
6,387,089	B1	5/2002 Kreindel et al.	2002/0111656	A1	8/2002 Lach
6,398,753	B2	6/2002 McDaniel	2002/0120225	A1	8/2002 McDaniel
6,440,396	B1	8/2002 McLaughlin	2002/0123746	A1	9/2002 McDaniel
6,471,716	B1	10/2002 Pecukonis	2002/0128695	A1	9/2002 Harth et al.
6,483,651	B1	11/2002 Maurer	2002/0128696	A1	9/2002 Pearl et al.
6,497,719	B2	12/2002 Pearl et al.	2002/0148183	A1	10/2002 Grant
6,508,813	B1	1/2003 Altshuler	2002/0155071	A1	10/2002 McLaughlin
6,517,532	B1	2/2003 Altshuler et al.	2002/0173833	A1	11/2002 Korman et al.
6,533,775	B1	3/2003 Rizoio	2002/0188334	A1	12/2002 Carlgren
6,558,372	B1	5/2003 Altshuler	2002/0198575	A1	12/2002 Sullivan
6,558,654	B2	5/2003 McLaughlin	2003/0004499	A1	1/2003 McDaniel
6,572,637	B1 *	6/2003 Yamazaki et al. 607/89	2003/0004556	A1	1/2003 McDaniel
6,602,275	B1	8/2003 Sullivan	2003/0009158	A1	1/2003 Perricone
6,605,080	B1	8/2003 Altshuler et al.	2003/0023283	A1	1/2003 McDaniel
6,606,755	B1	8/2003 Robinson et al.	2003/0060811	A1	3/2003 McDaniel
			2003/0069567	A1	4/2003 Eckhouse et al.
			2003/0093915	A1	5/2003 Pearl et al.

US D585,997 S

2003/0109860	A1	6/2003	Black	2005/0066370	A1	3/2005	Alvarado et al.
2003/0129154	A1	7/2003	McDaniel	2005/0066579	A1	3/2005	Winner
2003/0216795	A1	11/2003	Harth et al.	2005/0090877	A1	4/2005	Harth et al.
2003/0232303	A1	12/2003	Black	2005/0143792	A1	6/2005	Jay
2004/0006332	A1	1/2004	Black	2005/0149150	A1	7/2005	McDaniel
2004/0015214	A1	1/2004	Simkin et al.	2005/0152146	A1	7/2005	Owen et al.
2004/0019990	A1	2/2004	Farrell et al.	2005/0159796	A1	7/2005	Ronn
2004/0029856	A1	2/2004	Simkin et al.	2005/0177093	A1	8/2005	Barry et al.
2004/0034397	A1	2/2004	Lin	2005/0177142	A1	8/2005	Jay
2004/0039380	A1	2/2004	Foldes	2005/0192651	A1	9/2005	Walneck et al.
2004/0048224	A1	3/2004	Black	2005/0222648	A1	10/2005	Simonsen
2004/0049247	A1	3/2004	Perricone	2005/0251242	A1	11/2005	Bousfield et al.
2004/0092917	A1	5/2004	Jay	2005/0267451	A1	12/2005	Black
2004/0092918	A1	5/2004	Jay	2006/0087831	A1	4/2006	Kramer
2004/0093047	A1	5/2004	Lach	2006/0092170	A1	5/2006	Bathiche et al.
2004/0098069	A1	5/2004	Clement et al.	2006/0223024	A1	10/2006	Hochman
2004/0116913	A1	6/2004	Pilcher et al.	2006/0240386	A1	10/2006	Yaniv et al.
2004/0116985	A1	6/2004	Black	2006/0247742	A1*	11/2006	Lee 607/89
2004/0122492	A1	6/2004	Harth et al.	2007/0217199	A1*	9/2007	Adam et al. 362/276
2004/0138726	A1	7/2004	Savage et al.	2008/0009839	A1*	1/2008	Dotson 606/4
2004/0147984	A1	7/2004	Altshuler et al.				
2004/0167497	A1	8/2004	Walneck et al.				
2004/0167499	A1	8/2004	Grove et al.				
2004/0193235	A1	9/2004	Altshuler et al.				
2004/0193236	A1	9/2004	Altshuler et al.				
2004/0199152	A1	10/2004	Key				
2004/0219179	A1	11/2004	McDaniel				
2004/0230260	A1	11/2004	MacFarland et al.				
2004/0260209	A1	12/2004	Ella et al.				
2005/0015117	A1	1/2005	Gerber				
2005/0015121	A1	1/2005	Molina				
2005/0021012	A1	1/2005	Bernstein				
2005/0049642	A1	3/2005	Bernabei				
2005/0049658	A1	3/2005	Connors et al.				
2005/0053895	A1	3/2005	Pinyayev et al.				
2005/0053896	A1	3/2005	Pinyayev et al.				
2005/0053898	A1	3/2005	Ghosh et al.				
2005/0055070	A1	3/2005	Jones et al.				
2005/0055071	A1	3/2005	Bernstein				
2005/0065579	A1*	3/2005	Chen et al. 607/88				

FOREIGN PATENT DOCUMENTS

EP	0320080	A1	6/1989
FR	2620072	A1	3/1989
FR	2699448	A1	6/1994
JP	2004283542	A	10/2004
WO	WO 84/04463	A1	11/1984
WO	WO 92/13684	A2	8/1992
WO	2005072642	A1	8/2005

OTHER PUBLICATIONS

Office Action from U.S. Appl. No. 11/549,524 dated Mar. 17, 2008.
 Search Report and Written Opinion from International Application No. PCT/US07/06636, Mailing date Mar. 27, 2008.
 International Search Report and Written Opinion from corresponding Application No. PCT/US06/43565 dated Aug. 20, 2007.
 Office Action from U.S. Appl. No. 11/686,797, dated Jul. 9, 2008.

* cited by examiner

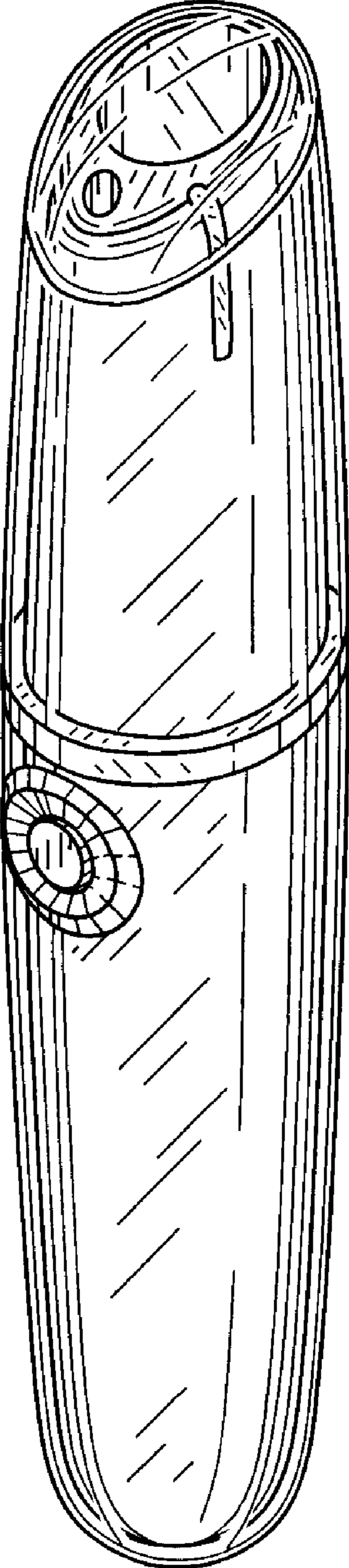


FIG. 1

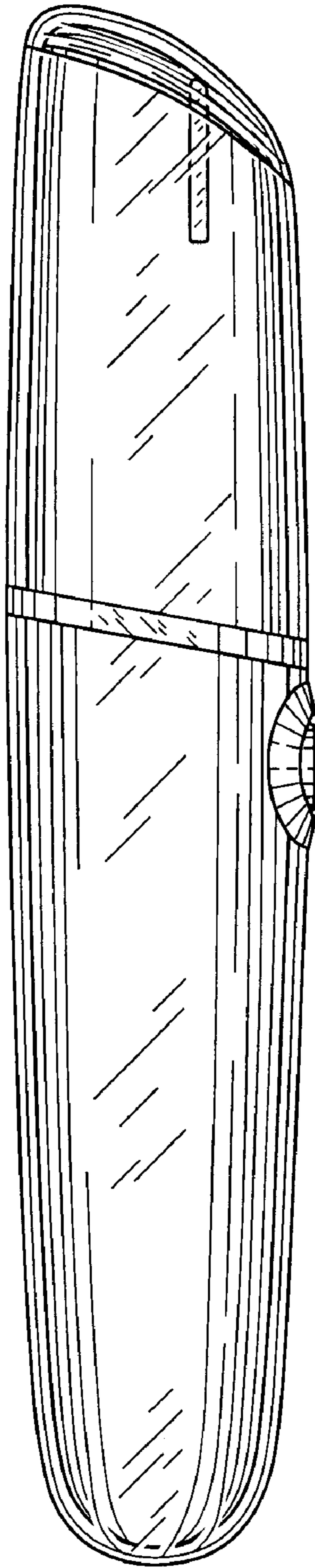


FIG. 2

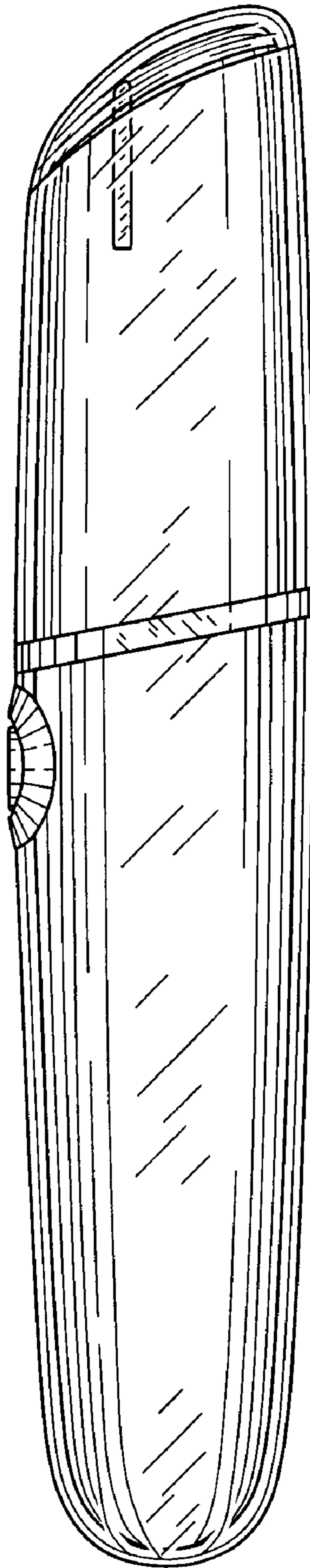


FIG. 3

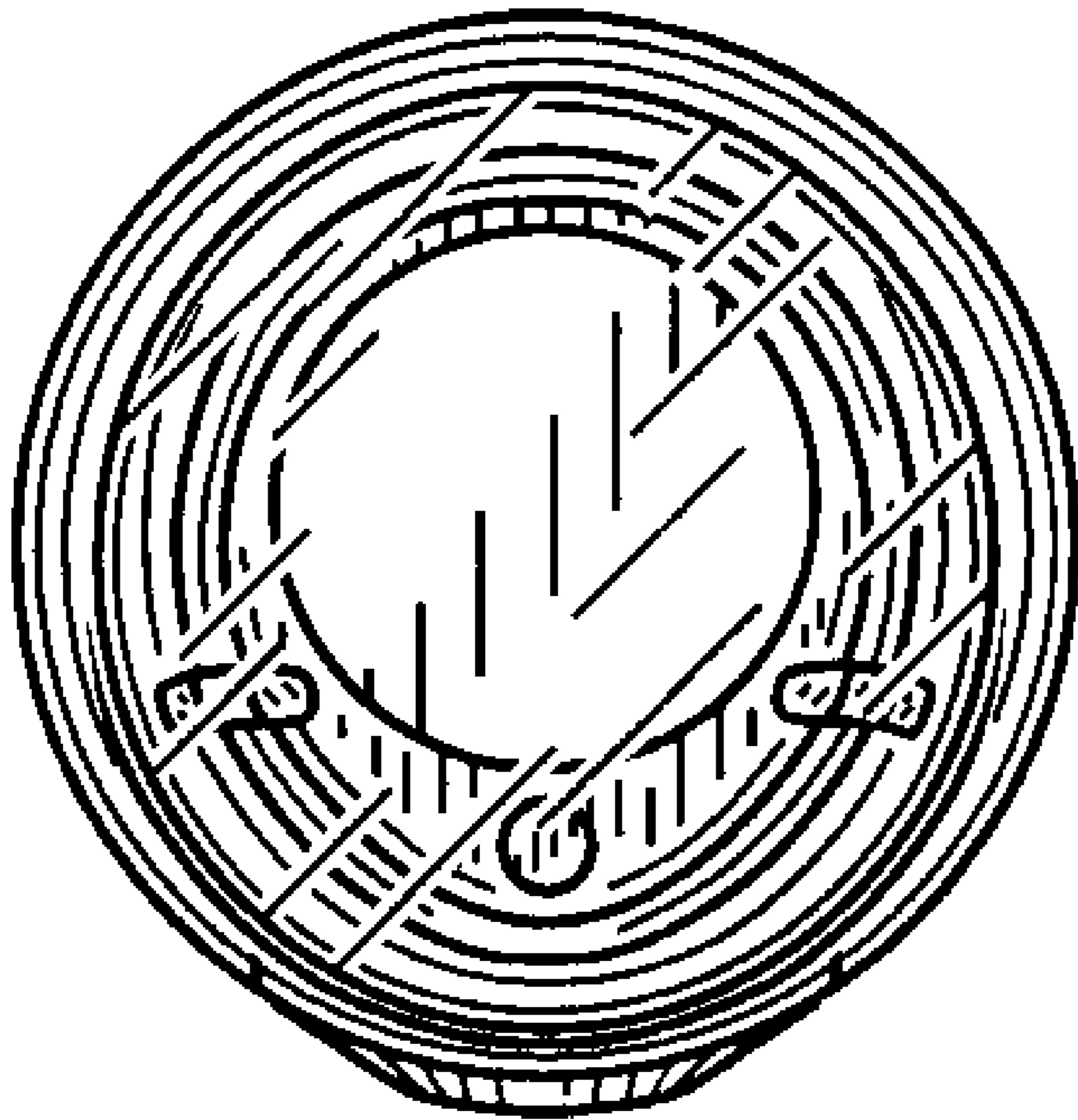


FIG. 4

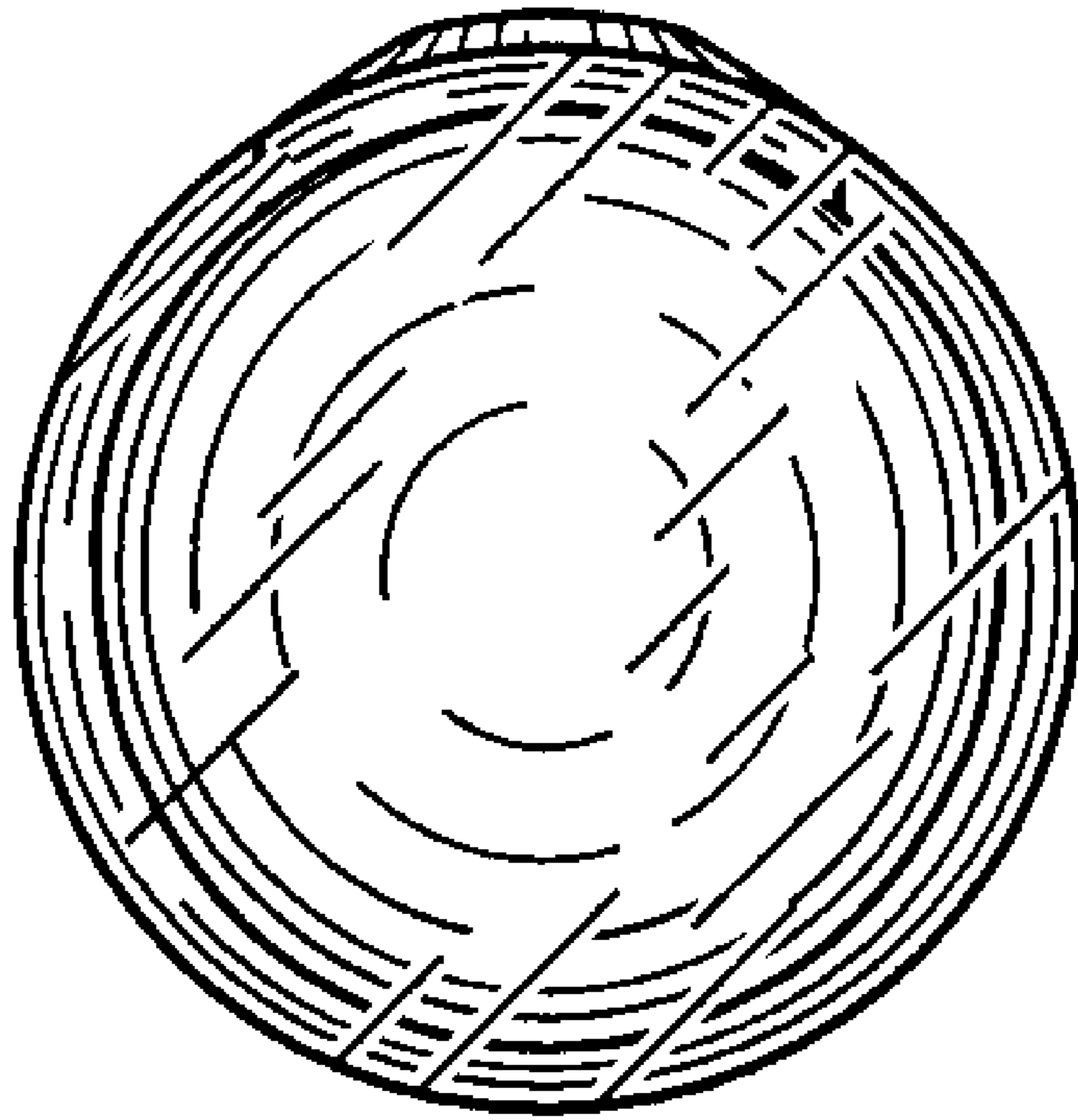


FIG. 5

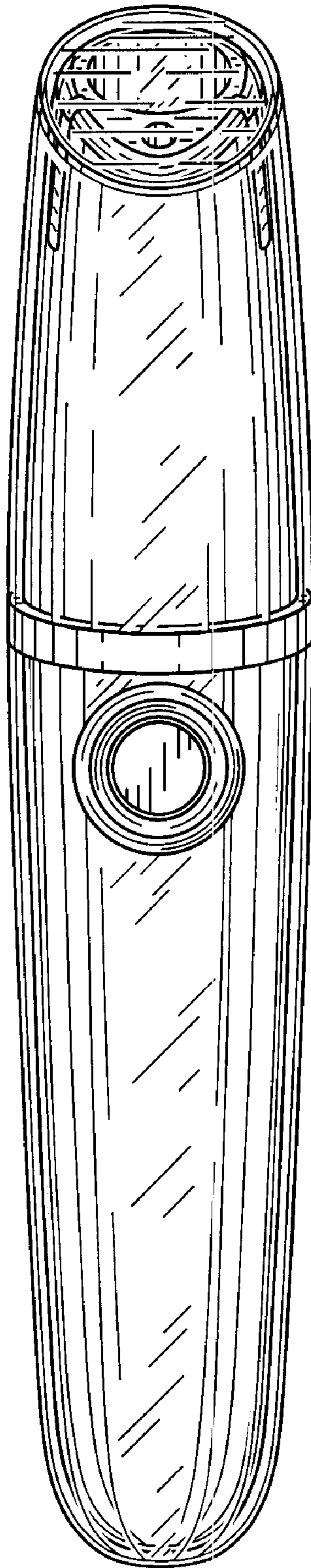


FIG. 6

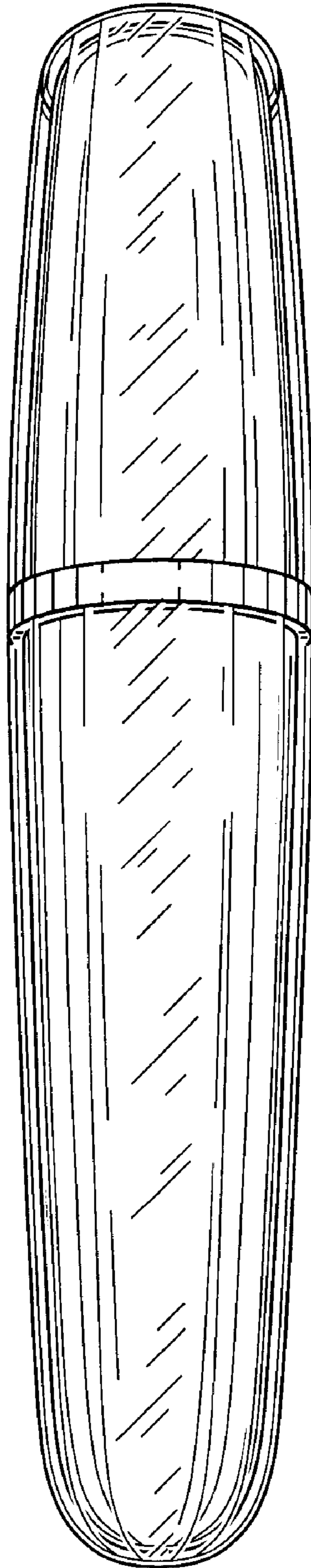


FIG. 7