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(12) **United States Design Patent** (10) **Patent No.:** **US D536,876 S**
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(54) **HEAD PORTION OF A TOOTHBRUSH**

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(73) Assignee: **Church & Dwight Co., Inc.**, Princeton, NJ (US)

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

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(52) **U.S. Cl.** **D4/101; D4/104**

(58) **Field of Classification Search** D4/101, D4/104-112, 132; 15/22.1, 28, 29, 110, 167.1, 15/167.2, 207.5, DIG. 5; 132/308, 309, 311; 601/139, 141, 142

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,517,320 A 12/1924 Stoddart
1,557,244 A 10/1925 Domingue

(Continued)

FOREIGN PATENT DOCUMENTS

CA 1082408 7/1980
CA 1288555 9/1991

(Continued)

OTHER PUBLICATIONS

www.gillette.com/oralb/index.htm, oral-B CrossAction Toothbrushes, Nov. 1, 2002.

Photos of Bio Brush Industries (See IDS filed May 31, 2002 in U.S. Appl. No. 09/991,772; filed Nov. 16, 2001, withdrawn, and refiled as Continuation Application U.S. Appl. No. 10/082,503, filed Feb. 25, 2002, (Exhibits A,B,C).

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(57) **CLAIM**

The ornamental design for a head portion of a toothbrush, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a head portion of a toothbrush according to the present invention;

FIG. 2 is an elevational view of the head portion according to the present invention;

FIG. 3 is an elevational view opposite from that shown in FIG. 2, of the head portion according to the present invention;

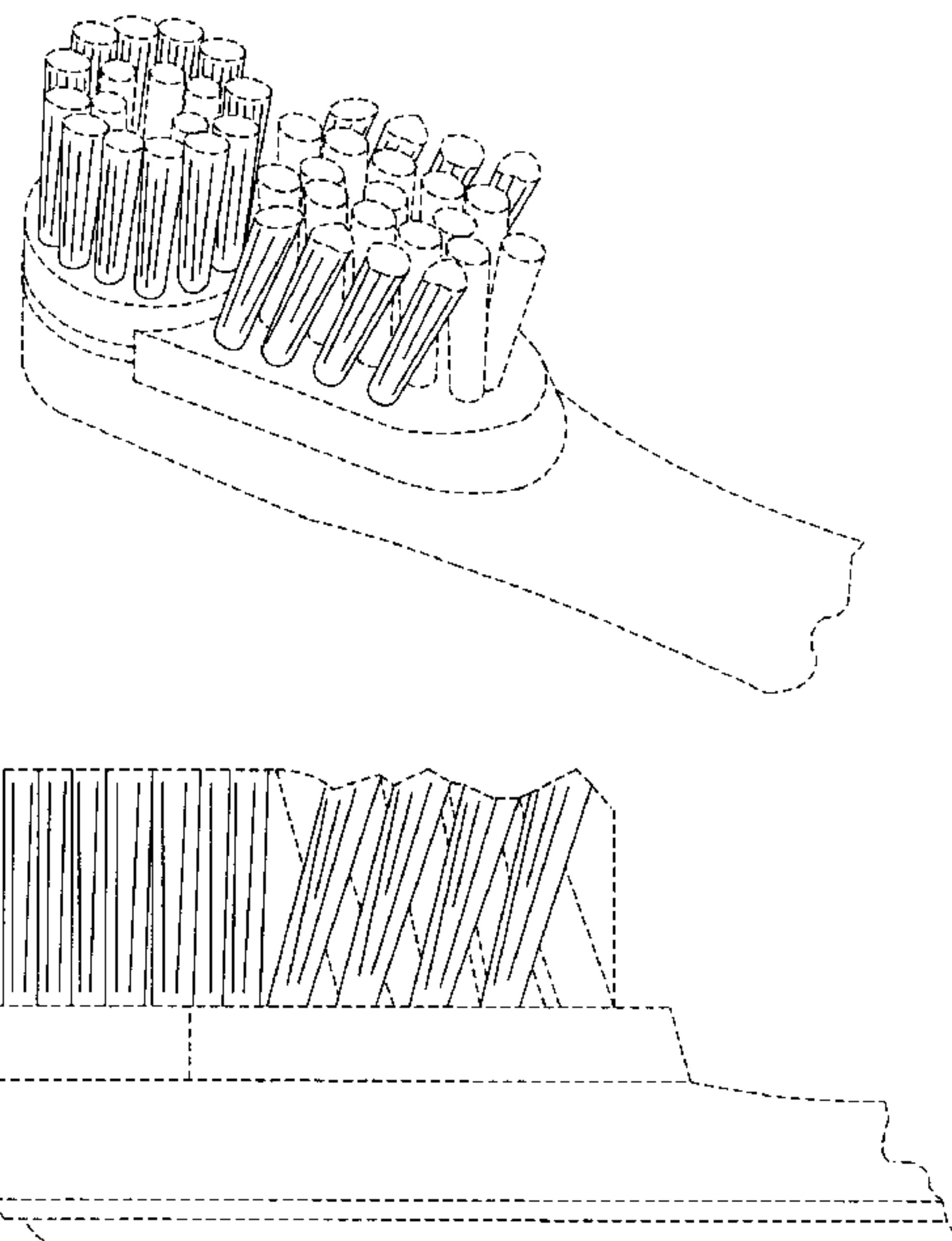
FIG. 4 is a planar view of the head portion according to the present invention;

FIG. 5 is a planar view opposite from that shown in FIG. 4, the head portion according to the present invention; and,

FIG. 6 is an end view of the head portion according to the present invention.

The broken lines immediately adjacent the shaded areas represent the bounds of the claimed design and all of the other broken lines represent environmental subject matter. None of the broken lines form part of the claimed design.

1 Claim, 3 Drawing Sheets



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U.S. PATENT DOCUMENTS					
1,947,324 A	2/1934	Zerbee	D397,252 S	8/1998	Allende
2,044,863 A	6/1936	Sticht	5,802,656 A	9/1998	Dawson et al.
2,117,174 A	5/1938	Jones	5,815,872 A	10/1998	Meginniss, III et al.
2,140,307 A	12/1938	Belaschk et al.	D400,713 S	11/1998	Solanki
2,172,624 A	9/1939	Robert	D402,112 S	12/1998	Moskovich
2,558,332 A	6/1951	Artale	5,842,244 A	12/1998	Hilfinger et al.
2,598,275 A	5/1952	Lakin	5,842,249 A	12/1998	Sato
2,682,066 A	6/1954	Keely	5,850,655 A	12/1998	Göcking et al.
2,799,878 A	7/1957	Brausch	D403,510 S	1/1999	Menke et al.
2,819,482 A	1/1958	Applegate	D406,464 S	3/1999	Yost et al.
3,007,441 A	11/1961	Eyer	5,875,510 A	3/1999	Lamond et al.
3,029,451 A	4/1962	Barr	5,881,425 A	3/1999	Hudson et al.
3,129,449 A	4/1964	Cyzer	5,896,614 A	4/1999	Flewitt
3,229,318 A	1/1966	Clemens	5,901,397 A	5/1999	Häfele et al.
3,242,516 A	3/1966	Cantor	5,908,038 A	6/1999	Bennett
3,284,829 A	11/1966	Allen	5,926,900 A	7/1999	Bennett
3,400,417 A	9/1968	Moret	5,946,758 A	9/1999	Hohlbein et al.
3,577,579 A	5/1971	Duve et al.	D414,607 S	10/1999	Trojanowski et al.
3,588,936 A	6/1971	Duve	D414,608 S	10/1999	Trojanowski et al.
3,978,852 A	9/1976	Annoni	5,991,959 A	11/1999	Raven et al.
4,181,997 A	1/1980	O'Rourke	5,996,157 A	12/1999	Smith et al.
4,344,202 A	8/1982	Hayat	6,000,083 A	12/1999	Blaustein et al.
4,603,448 A	8/1986	Middleton et al.	6,021,538 A	2/2000	Kressner et al.
4,709,438 A	12/1987	de Tavares	6,035,476 A	3/2000	Underwood et al.
4,796,323 A	1/1989	Benz	D422,143 S	4/2000	Beals et al.
4,827,552 A	5/1989	Bojar et al.	D422,144 S	4/2000	Harada
4,845,795 A	7/1989	Crawford et al.	6,058,541 A	5/2000	Masterman et al.
4,845,796 A	7/1989	Mosley	6,065,176 A	5/2000	Watanabe et al.
4,882,801 A	11/1989	Benz	6,088,870 A	7/2000	Hohlbein
4,989,287 A	2/1991	Scherer	6,092,252 A	7/2000	Fischer et al.
4,991,249 A	2/1991	Suroff	D430,730 S	9/2000	Klein
5,020,179 A	6/1991	Scherer	6,115,870 A	9/2000	Solanki et al.
5,046,213 A	9/1991	Curtis et al.	D432,312 S	10/2000	Blaustein et al.
5,054,149 A	10/1991	Si-Hoe et al.	6,138,315 A	10/2000	Schmitt et al.
5,068,939 A	12/1991	Holland	D433,814 S	11/2000	Blaustein et al.
5,070,567 A	12/1991	Holland	6,141,817 A	11/2000	Dawson
5,088,145 A	2/1992	Whitefield	D434,563 S	12/2000	Lim et al.
5,137,039 A	8/1992	Klinkhammer	D434,906 S	12/2000	Beals et al.
5,148,567 A	9/1992	Daub	6,178,579 B1	1/2001	Blaustein et al.
D329,946 S	10/1992	Curtis et al.	6,178,582 B1	1/2001	Halm
D330,286 S	10/1992	Curtis et al.	D437,688 S	2/2001	Beals et al.
5,259,083 A	11/1993	Stansbury, Jr.	6,189,693 B1	2/2001	Blaustein et al.
5,274,870 A	1/1994	Stollman	6,209,164 B1	4/2001	Sato
5,276,932 A	1/1994	Byrd	6,220,772 B1	4/2001	Taylor
5,311,632 A	5/1994	Center	6,230,354 B1	5/2001	Sproat
5,335,389 A	8/1994	Curtis et al.	6,230,717 B1	5/2001	Marx et al.
5,341,537 A	8/1994	Curtis et al.	6,237,178 B1	5/2001	Krammer et al.
5,378,153 A	1/1995	Giuliani et al.	6,237,183 B1	5/2001	Fischer
5,383,242 A	1/1995	Bigler et al.	D443,985 S	6/2001	Beals et al.
5,392,483 A	2/1995	Heinzelman et al.	D444,629 S	7/2001	Etter et al.
5,398,367 A	3/1995	Lu	D446,941 S	8/2001	Kraemer
5,446,940 A	9/1995	Curtis et al.	6,272,714 B2	8/2001	Beals
5,465,444 A	11/1995	Bigler et al.	D448,171 S	9/2001	Harris et al.
D364,740 S	12/1995	Loew	6,308,358 B2	10/2001	Gruber et al.
5,497,526 A	3/1996	Klinkhammer	6,308,367 B1	10/2001	Beals et al.
5,500,970 A	3/1996	Maurer et al.	6,311,837 B1	11/2001	Blaustein et al.
5,511,275 A	4/1996	Volpenhein et al.	6,314,605 B1	11/2001	Solanki et al.
D370,347 S	6/1996	Heinzelman et al.	6,321,407 B1	11/2001	Weihrauch
5,524,319 A	6/1996	Avidor	D452,380 S	12/2001	Cheong et al.
D372,584 S	8/1996	Yost et al.	6,360,395 B2	3/2002	Blaustein et al.
5,598,599 A	2/1997	Haiduk	6,371,294 B1	4/2002	Blaustein et al.
5,604,951 A	2/1997	Shipp	D456,998 S	5/2002	Blaustein et al.
5,613,259 A	3/1997	Craft et al.	D457,728 S	5/2002	Blaustein et al.
5,628,082 A	5/1997	Moskovich	D458,030 S	6/2002	Blaustein et al.
5,651,157 A	7/1997	Hahn	D458,455 S	6/2002	Blaustein et al.
5,652,990 A	8/1997	Driesen et al.	D459,081 S *	6/2002	Eliav et al. D4/101
5,735,012 A	4/1998	Heinzelman et al.	6,405,401 B1	6/2002	Hellerud et al.
5,742,972 A	4/1998	Bredall et al.	D459,894 S	7/2002	Blaustein et al.
5,784,742 A	7/1998	Giuliani et al.	D459,895 S	7/2002	Blaustein et al.
D397,251 S	8/1998	Eguchi et al.	6,421,867 B1	7/2002	Weilhrauch
			D461,642 S	8/2002	Blaustein et al.

US D536,876 S

Page 3

D465,088 S	11/2002	Blaustein et al.	JP	D 1032248	2/1999
D477,715 S *	7/2003	Gatzemeyer et al. D4/101	JP	D 1036211	4/1999
D479,046 S *	9/2003	Winkler D4/104	JP	D 1047289	8/1999
2001/0001334 A1	5/2001	Gruber et al.	JP	11-235234	8/1999
2001/0001335 A1	5/2001	Beals	JP	D 1050132	9/1999
2001/0004781 A1	6/2001	Blaustein et al.	JP	11-253233	9/1999
2001/0022277 A1	9/2001	Blaustein et al.	JP	D 1052397	10/1999
2001/0054561 A1	12/2001	Blaustein et al.	JP	D 1053501	11/1999
2002/0017474 A1	2/2002	Blaustein et al.	JP	D 1053747	11/1999
2002/0020645 A1	2/2002	Blaustein et al.	JP	D 1054228	11/1999
2002/0029988 A1	3/2002	Blaustein et al.	JP	D 1054250	11/1999
2002/0032941 A1	3/2002	Blaustein et al.	JP	D 1054265	11/1999
2002/0038772 A1	4/2002	Blaustein et al.	JP	D 1058415	1/2000
2002/0078514 A1	6/2002	Blaustein et al.	JP	D 1085935	9/2000
2002/0152564 A1	10/2002	Blaustein et al.	JP	D 1104411	3/2001
2002/0162180 A1	11/2002	Blaustein et al.	JP	D 1121548	9/2001
FOREIGN PATENT DOCUMENTS			JP	D 1121780	9/2001
			JP	D 1126561	11/2001
CA	2282957	3/2000	KR	1986-0001137	6/1986
CH	384539	2/1965	TW	273146	7/1982
CN	1121802 A	5/1996	TW	414034	9/1985
CN	3073970D	2/1998	TW	339233	6/1987
CN	3073971D	2/1998	TW	212909	9/1993
CN	3085155D	9/1998	TW	319683	11/1997
CN	3092842D	12/1998	TW	406557	5/1998
CN	3092843D	12/1998	TW	342670	10/1998
CN	2324988	6/1999	TW	362003	6/1999
DE	2311043	9/1974	TW	455298	9/2001
DE	2402785	7/1975	TW	455299	9/2001
DE	2654853	6/1978	WO	81/03604	12/1981
DE	2736286	7/1978	WO	93/09729	5/1993
DE	4201873	5/1993	WO	93/20777	10/1993
DE	4313970	11/1994	WO	94/03124	2/1994
DE	19734287	2/1999	WO	94/09678	5/1994
EP	0054043	11/1985	WO	94/09676	11/1994
EP	0322562	7/1989	WO	95/25450	9/1995
EP	0165546	12/1989	WO	95/33419	12/1995
EP	0208401	5/1991	WO	96/01578	1/1996
EP	0254397	7/1991	WO	96/02165	2/1996
EP	0357863	7/1992	WO	96/07343	3/1996
EP	0580406	1/1994	WO	96/15696	5/1996
EP	0546203	8/1996	WO	96/16571	6/1996
EP	0716573	1/1997	WO	96/20654	7/1996
EP	641181	12/1998	WO	96/2899	9/1996
EP	0708609	12/1998	WO	96/38069	12/1996
EP	0930030	7/1999	WO	97/00650	1/1997
EP	0957707	1/2002	WO	97/01307	1/1997
FR	920155	3/1947	WO	97/03587	2/1997
FR	1121618	8/1956	WO	97/07706	3/1997
FR	2196782	3/1974	WO	97/07707	3/1997
FR	2587183	3/1987	WO	97/20484	6/1997
FR	2769187	4/1999	WO	97/24048	7/1997
FR	2773961	7/1999	WO	97/25898	7/1997
GB	914844	1/1963	WO	97/31555	9/1997
GB	989953	4/1965	WO	97/34545	9/1997
GB	1098933	1/1968	WO	97/36517	10/1997
GB	1307887	2/1973	WO	97/41753	11/1997
GB	2371217	7/2002	WO	98/00049	1/1998
GB	D3004958	10/2002	WO	98/01055	1/1998
JP	D 677262	4/1986	WO	98/05241	2/1998
JP	D 722122	12/1987	WO	98/07348	2/1998
JP	D 801748	12/1990	WO	98/09950	3/1998
JP	5-146314	6/1993	WO	98/12947	4/1998
JP	D 916459	1/1995	WO	98/14088	4/1998
JP	D 970465	12/1996	WO	98/18364	5/1998
JP	D 970835	12/1996	WO	98/23223	6/1998
JP	D 971532	1/1997	WO	98/26729	6/1998
JP	D 971533	1/1997	WO	98/26730	6/1998
JP	D 999375	12/1997	WO	98/35584	8/1998
JP	D 1023101	10/1998	WO	98/38889	9/1998
JP	D 1023566	10/1998	WO	98/43515	10/1998

WO	98/57569	12/1998	WO	00/15075	3/2000
WO	98/57570	12/1998	WO	00/40116	7/2000
WO	99/03372	1/1999	WO	00/41645	7/2000
WO	99/07251	2/1999	WO	00/47083	8/2000
WO	99/07252	2/1999	WO	00/49911	8/2000
WO	99/12492	3/1999	WO	00/56186	9/2000
WO	99/23910	5/1999	WO	00/57747	10/2000
WO	99/35911	7/1999	WO	01/12013	2/2001
WO	99/37180	7/1999	WO	WO 01/52696	7/2001
WO	99/37182	7/1999			
WO	99/56660	11/1999			
WO	99/65358	12/1999			

* cited by examiner

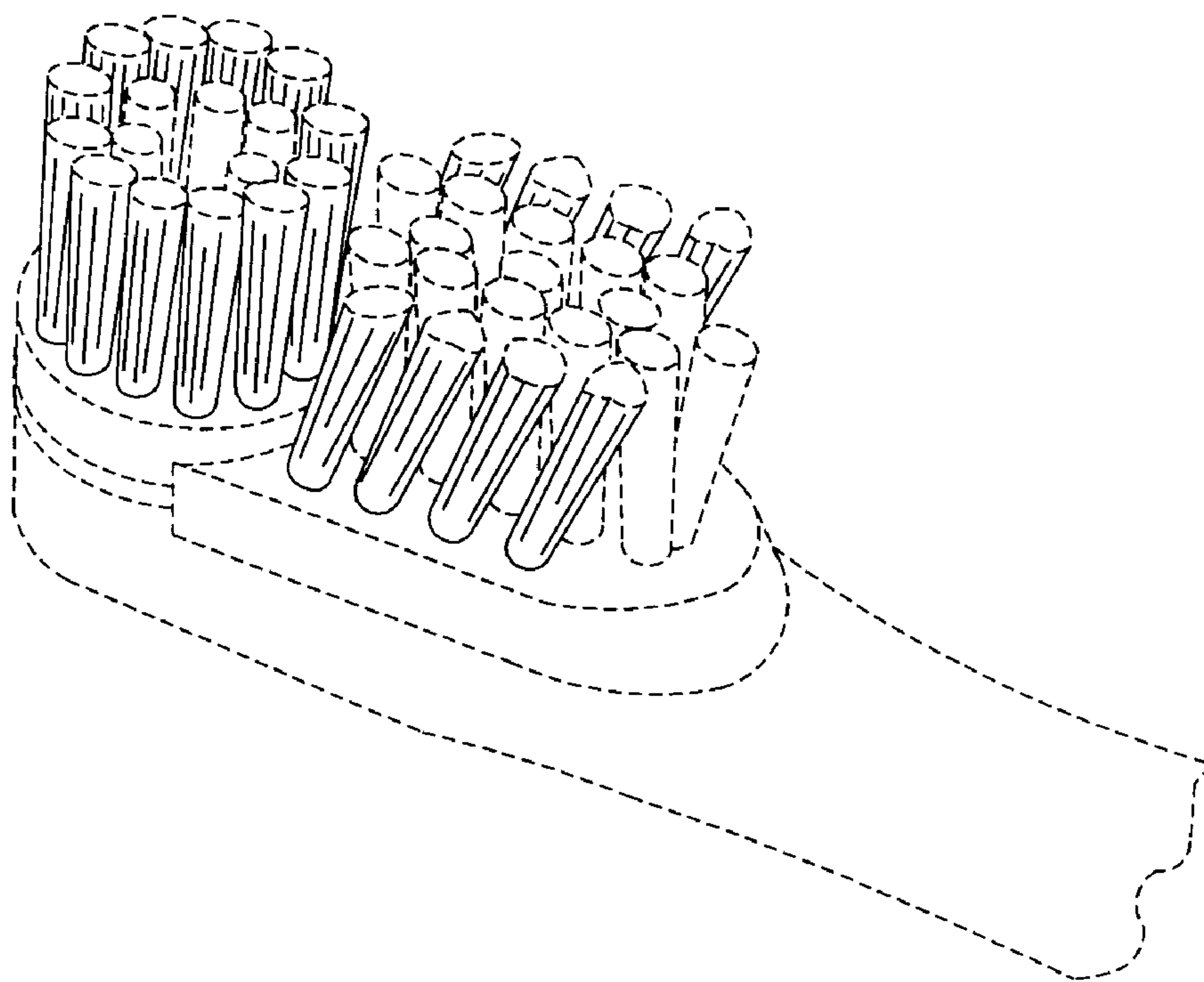


Fig. 1

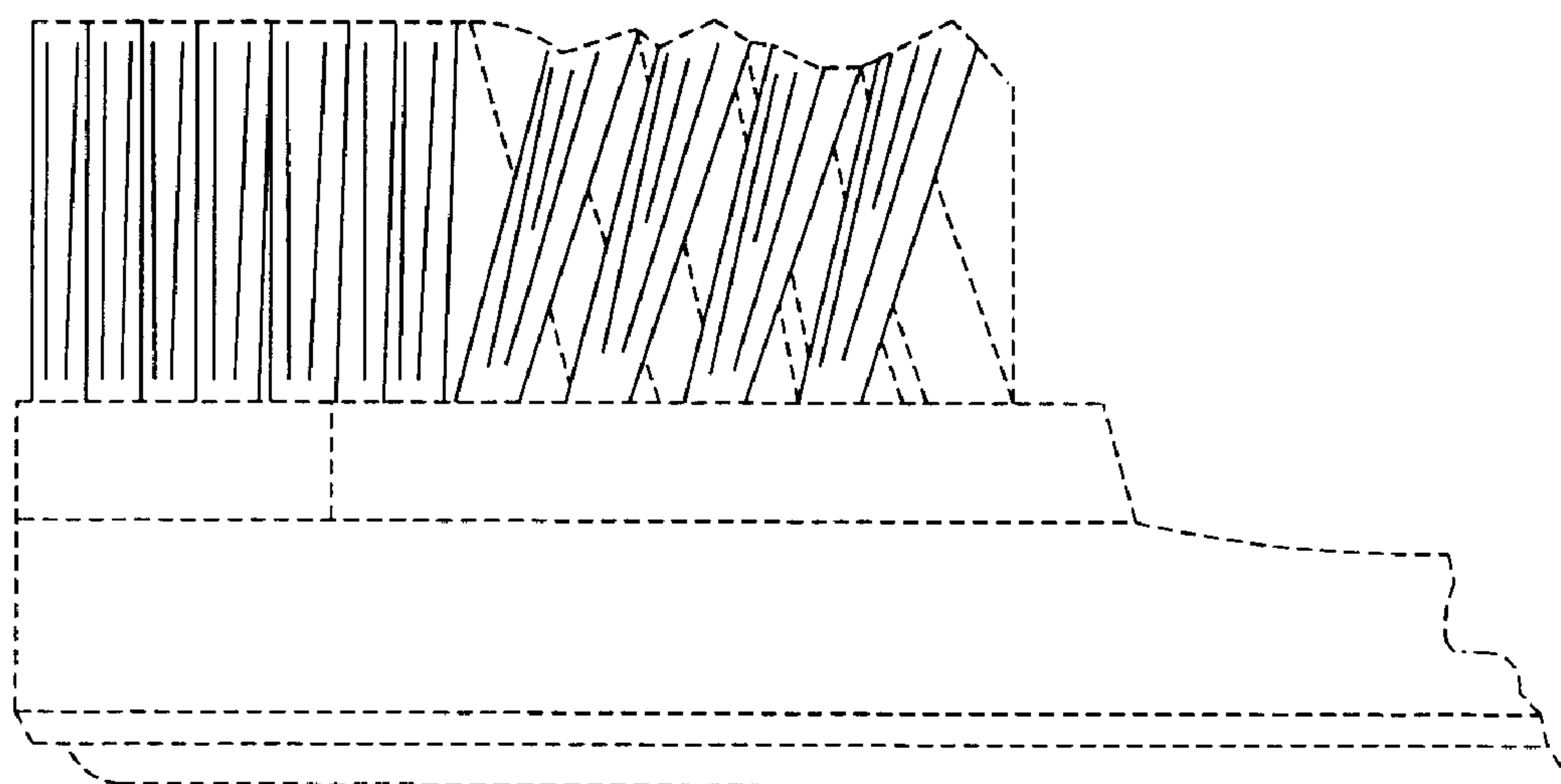


Fig. 2

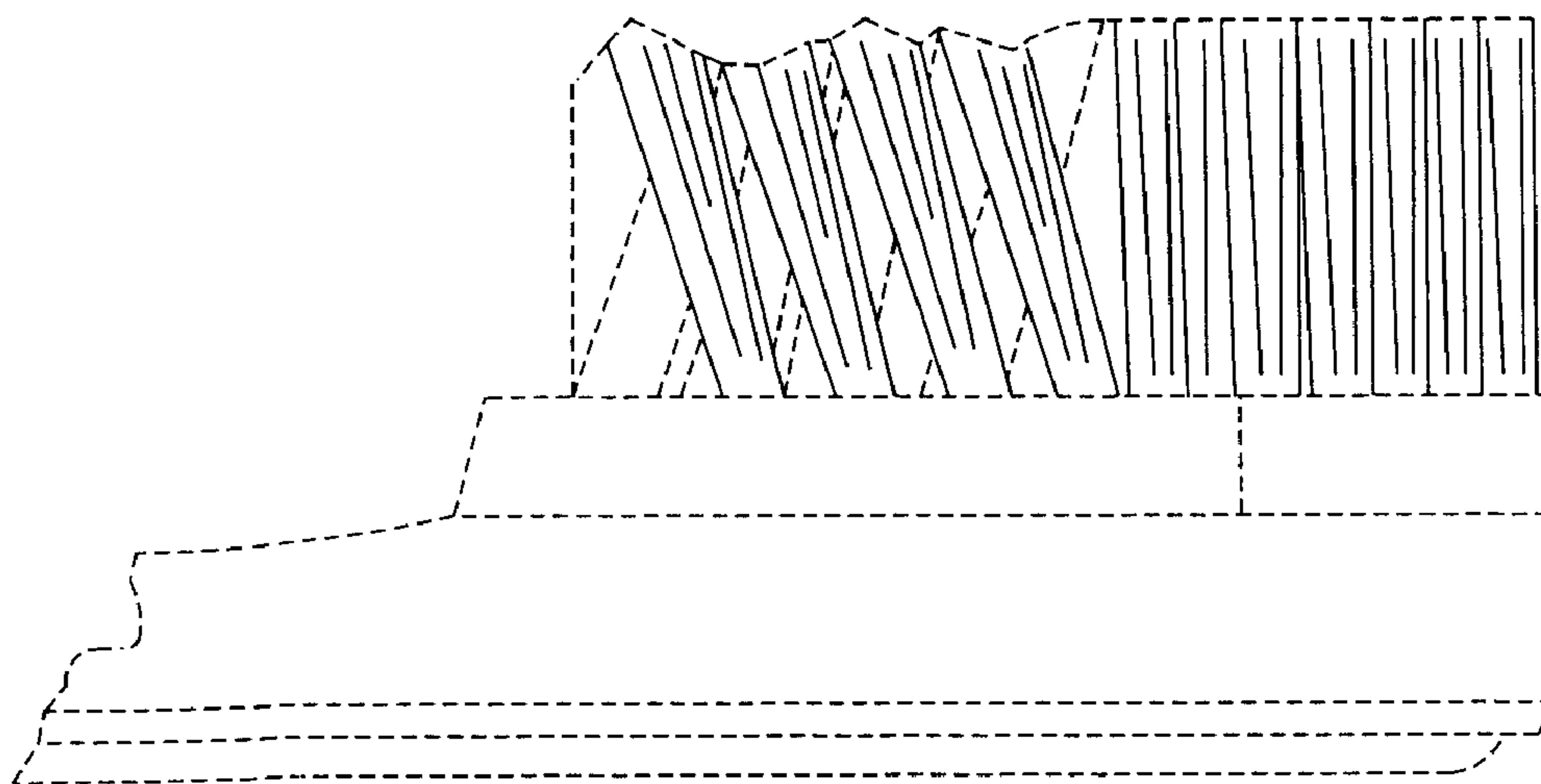


Fig. 3

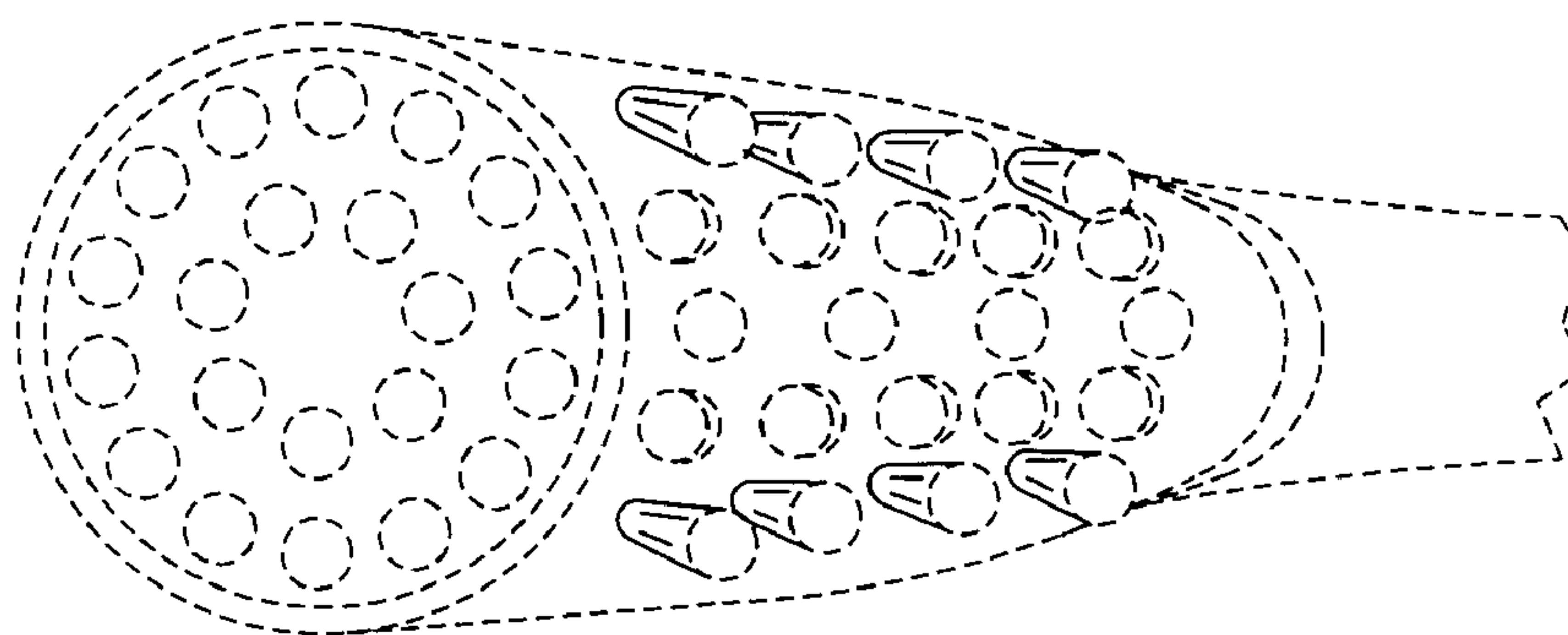


Fig. 4

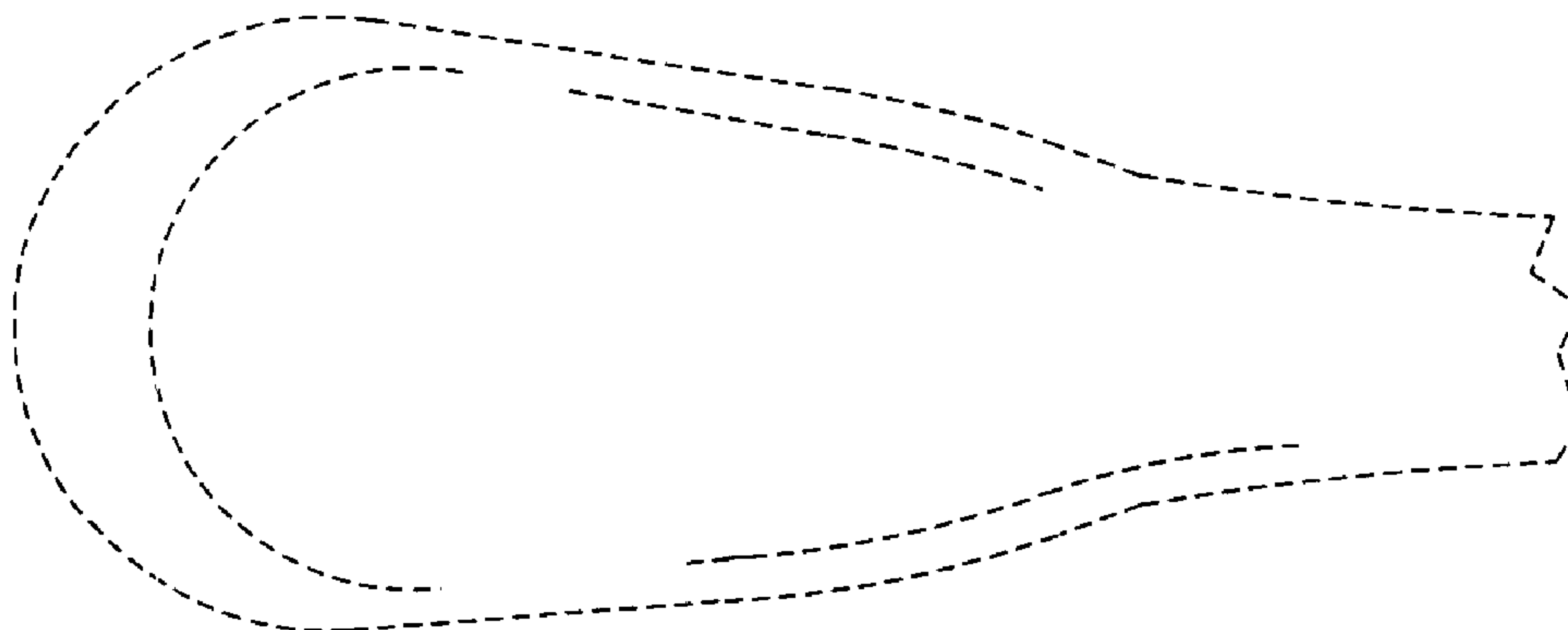


Fig. 5

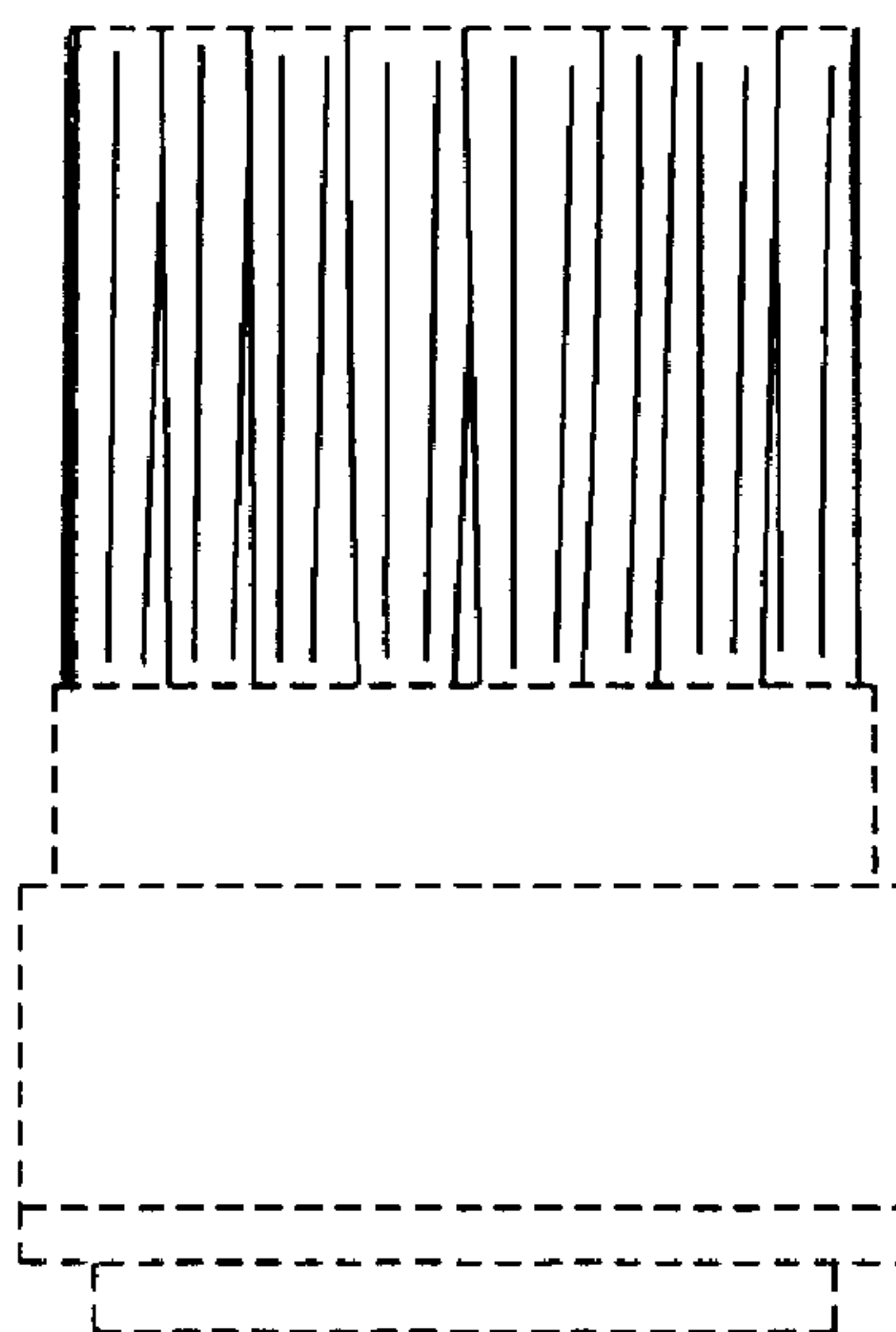


Fig. 6