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

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(54) **HEAD PORTION OF AN ELECTRIC TOOTHBRUSH**

3,115,652 A 12/1963 Zerbee
3,142,852 A 8/1964 Phaneuf et al.
3,178,754 A 4/1965 Cleverdon

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(List continued on next page.)

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FOREIGN PATENT DOCUMENTS

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

CA 1082408 * 7/1980
CA 1288555 * 9/1991
CA 2102130 * 11/1992

(List continued on next page.)

(21) Appl. No.: **29/152,877**

OTHER PUBLICATIONS

(22) Filed: **Jan. 4, 2002**

Christensen, *Elekromechanische Zahnbürste*, Patent Abstract of Germany, DE 9310480 (Oct. 21, 1993) (Abstract only).

(List continued on next page.)

Related U.S. Application Data

(60) Division of application No. 29/150,251, filed on Nov. 15, 2001, which is a division of application No. 09/766,703, filed on Jan. 22, 2001, which is a continuation-in-part of application No. 09/236,794, filed on Jan. 25, 1999, now Pat. No. 6,189,693.

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(51) **LOC (7) Cl. 04-02**

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

(58) **Field of Search** D4/104–112, 132–134,
D4/138; 15/143.1, 159.1, 160, 167.1, 167.2,
186, 187; 132/308, 309; 601/139, 141

(57) **CLAIM**

The ornamental design for the head portion of an electric toothbrush, as shown and described.

(56) **References Cited**

DESCRIPTION

U.S. PATENT DOCUMENTS

- 1,212,001 A 1/1917 Baxter
- 1,476,433 A 12/1923 Vandervoort
- 1,517,320 A 12/1924 Stoddart
- 1,557,244 A 10/1925 Domingue
- 1,947,324 A 2/1934 Zerbee
- 2,044,863 A 6/1936 Sticht
- 2,140,307 A 12/1938 Belaschk et al.
- 2,172,624 A 9/1939 Robert
- 2,196,667 A 4/1940 Moseley
- 2,215,031 A 9/1940 Elmore
- 2,558,332 A 6/1951 Artale
- 2,682,066 A 6/1954 Keely
- 3,103,679 A 9/1963 Clemens

FIG. 1 is an enlarged, perspective view of a head portion of an electric toothbrush showing our new design;

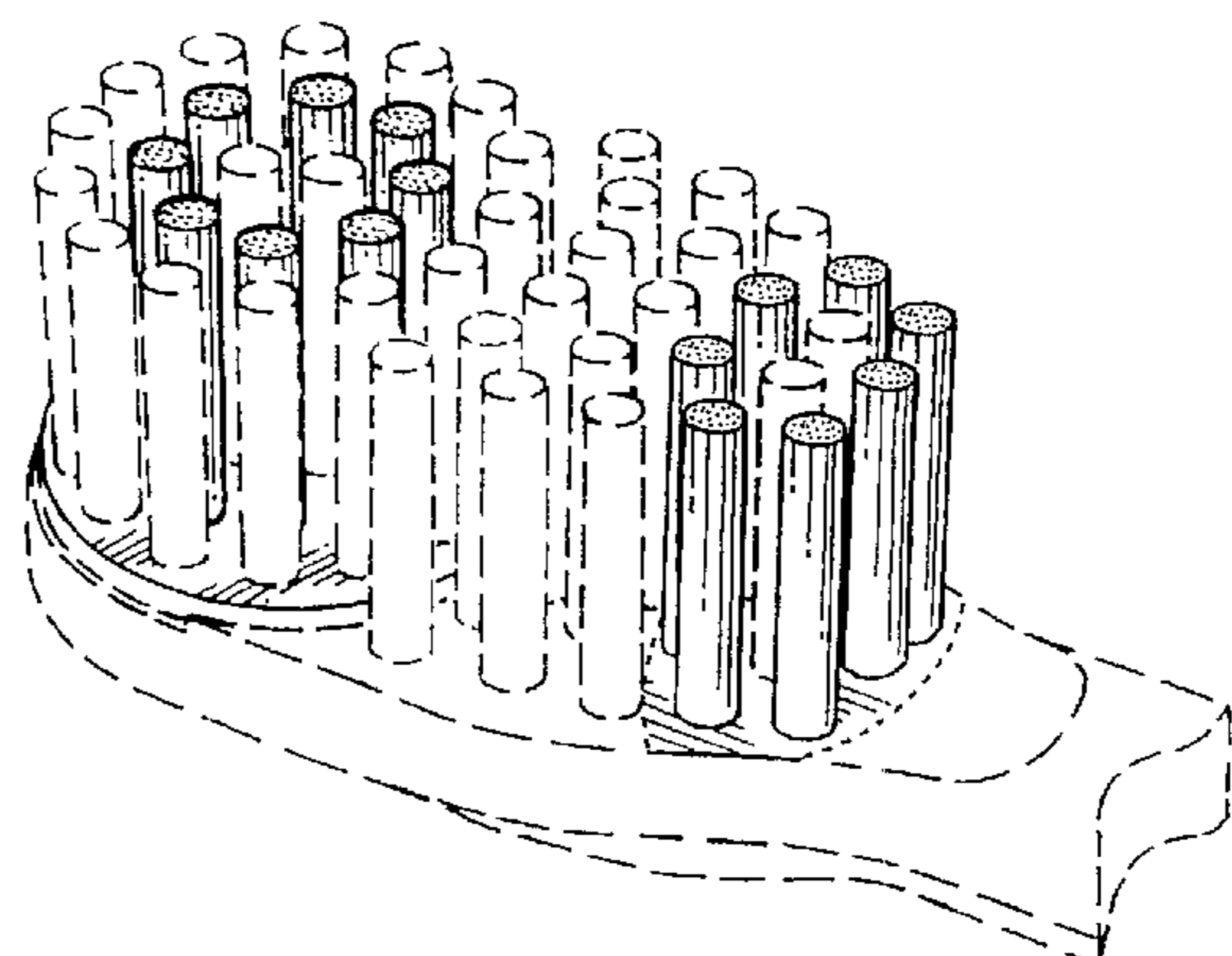
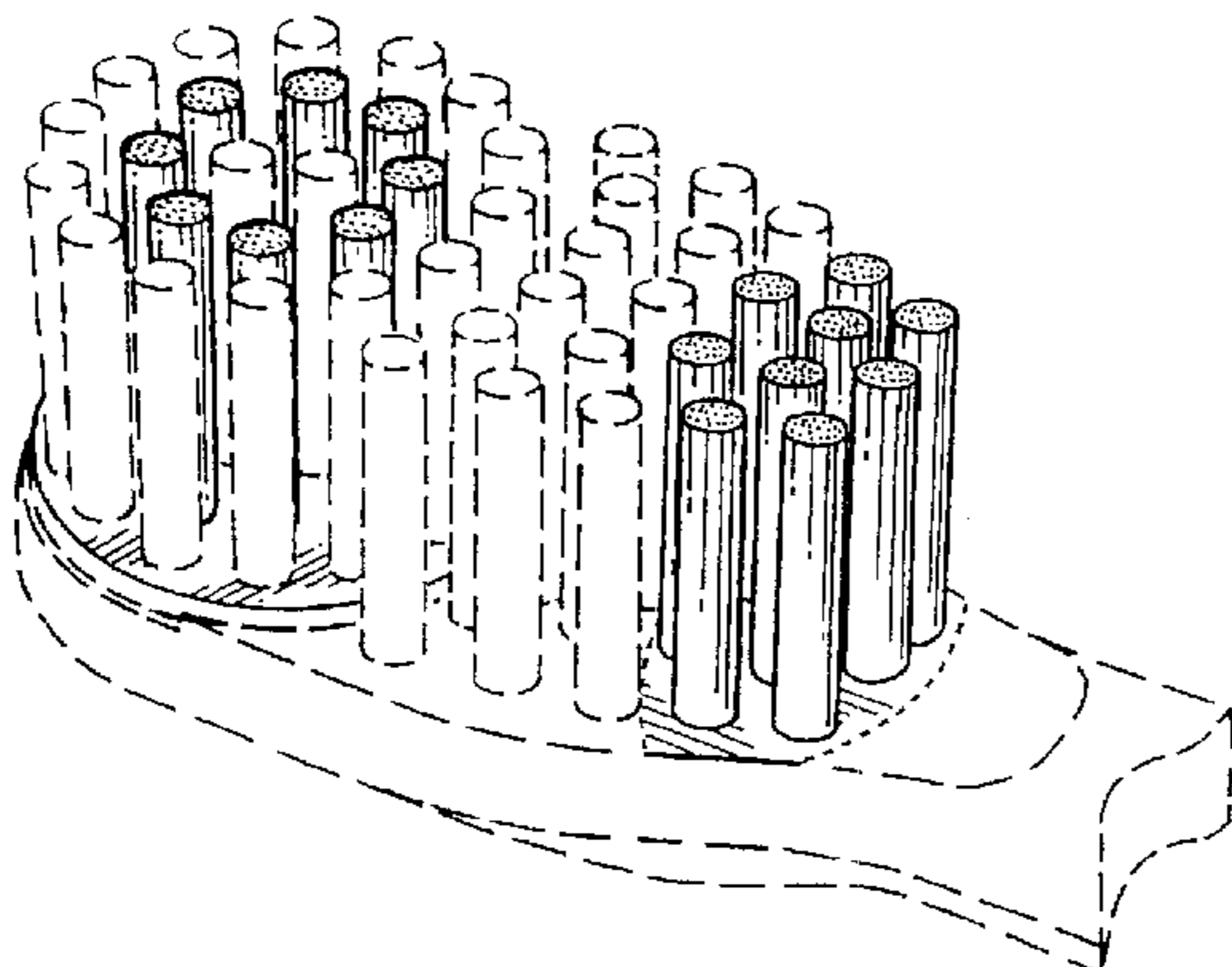
FIG. 2 is a top view thereof;

FIG. 3 is an enlarged perspective view of a head portion of an electric toothbrush showing a second embodiment of our new design; and,

FIG. 4 is a top view of FIG. 3.

The dashed lines shown in the figures represent environmental subject matter and form no part of the claimed design. The dotted lines shown in the figures represent the border between claimed subject matter and unclaimed subject matter and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



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U.S. PATENT DOCUMENTS

3,242,516 A	3/1966	Cantor	5,842,244 A	12/1998	Hilfinger et al.
3,400,417 A	9/1968	Moret	5,842,245 A	12/1998	Pai
3,535,726 A	10/1970	Sawyer	5,842,249 A	12/1998	Sato
3,588,936 A	6/1971	Duve	5,850,655 A	12/1998	Göcking et al.
D228,983 S	11/1973	Drachten	D403,510 S	1/1999	Menke et al.
3,775,800 A	12/1973	Veneziani	5,862,558 A	1/1999	Hilfinger et al.
D237,659 S	11/1975	Meyer et al.	5,862,559 A	1/1999	Hunter
3,978,852 A	9/1976	Annoni	5,867,856 A	2/1999	Herzog
4,156,620 A	5/1979	Clemens	D406,464 S	3/1999	Yost et al.
4,203,431 A	5/1980	Abura et al.	5,901,397 A	5/1999	Häfele et al.
4,827,550 A	5/1989	Graham et al.	D411,769 S	* 7/1999	Wright D4/101
4,845,795 A	7/1989	Crawford et al.	D414,607 S	10/1999	Trojanowski et al.
4,989,287 A	2/1991	Scherer	D414,608 S	10/1999	Trojanowski et al.
5,020,179 A	6/1991	Scherer	5,974,613 A	11/1999	Herzog
5,033,150 A	7/1991	Gross et al.	5,987,681 A	11/1999	Hahn et al.
D321,285 S	* 11/1991	Hirabayashi D4/101	5,996,157 A	12/1999	Smith et al.
5,070,567 A	* 12/1991	Holland 15/28	6,000,083 A	12/1999	Blaustein et al.
5,077,855 A	1/1992	Ambasz	6,021,538 A	2/2000	Kressner et al.
5,088,145 A	2/1992	Whitefield	D422,143 S	4/2000	Beals et al.
5,120,225 A	6/1992	Amit	D422,144 S	4/2000	Harada
5,142,723 A	9/1992	Lustig et al.	6,058,541 A	* 5/2000	Masterman et al.
D329,946 S	10/1992	Curtis et al.	6,094,769 A	* 8/2000	Driesen et al.
D330,286 S	10/1992	Curtis et al.	D430,730 S	9/2000	Klein
5,170,525 A	12/1992	Cafaro	D432,312 S	10/2000	Blaustein et al.
5,177,826 A	1/1993	Vrignaud et al.	6,138,310 A	* 10/2000	Porper et al.
5,186,627 A	* 2/1993	Amitt et al. 15/22.1 X	D433,814 S	11/2000	Blaustein et al.
5,226,206 A	7/1993	Davidovitz et al.	6,141,819 A	* 11/2000	Driesen et al.
5,253,382 A	10/1993	Beny	D434,563 S	12/2000	Lim et al.
5,274,870 A	1/1994	Stollman	D434,565 S	12/2000	Bojar
5,276,932 A	* 1/1994	Byrd 15/28	D434,906 S	12/2000	Beals et al.
5,289,604 A	3/1994	Kressner	6,178,582 B1	* 1/2001	Halm
5,353,460 A	10/1994	Bauman	D437,688 S	2/2001	Beals et al.
D352,829 S	11/1994	Perry	6,189,693 B1	* 2/2001	Blaustein et al.
5,378,153 A	1/1995	Giuliani et al.	D440,048 S	4/2001	Beals et al.
5,381,576 A	1/1995	Hwang	6,237,178 B1	* 5/2001	Krammer et al.
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.
5,396,678 A	3/1995	Bredall et al.	D446,941 S	8/2001	Kraemer
5,404,608 A	4/1995	Hommann	D448,171 S	9/2001	Harris et al.
D358,486 S	5/1995	Loew			
5,416,942 A	5/1995	Baldacci et al.			
5,421,726 A	6/1995	Okada			
5,435,034 A	7/1995	Bigler et al.			
5,442,827 A	8/1995	Hommann			
5,465,444 A	11/1995	Bigler et al.			
5,467,495 A	11/1995	Boland et al.			
D364,740 S	12/1995	Loew			
5,494,252 A	2/1996	Amit et al.			
5,504,958 A	4/1996	Herzog			
5,504,959 A	* 4/1996	Yukawa et al. 15/22.1			
5,504,960 A	4/1996	Hommann			
5,504,961 A	4/1996	Yang			
D370,347 S	6/1996	Heinzelman et al.			
5,524,312 A	* 6/1996	Tan et al. 15/22.1			
D372,584 S	8/1996	Yost et al.			
5,613,259 A	3/1997	Craft et al.			
5,617,601 A	4/1997	McDougall			
5,617,603 A	4/1997	Mei			
5,625,916 A	5/1997	McDougall			
5,652,990 A	8/1997	Driesen et al.			
D391,083 S	2/1998	Nicoll			
5,727,273 A	3/1998	Pai			
5,732,433 A	3/1998	Göcking et al.			
5,784,743 A	7/1998	Shek			
D397,251 S	8/1998	Eguchi et al.			
D397,252 S	8/1998	Allende			
D400,713 S	11/1998	Solanki			
5,836,030 A	11/1998	Hazeu et al.			
5,839,148 A	11/1998	Volpenhein			
D402,112 S	12/1998	Moskovich			

FOREIGN PATENT DOCUMENTS

CA	1330383	* 6/1994
CA	2133879	* 9/1995
CA	2221796	* 11/1996
CA	81887	* 9/1997
CA	81888	* 9/1997
CA	84252	* 7/1998
CA	86705	* 5/1999
CA	88711	* 1/2000
CA	2282957	* 3/2000
CA	89738	* 6/2000
CA	89739	* 6/2000
CN	2223981	Y 4/1996
CN	2324987	Y 6/1999
CN	2393503	Y 8/2000
DE	2736286	12/1978
DE	4139788	6/1993
DE	4243220	6/1994
DE	4243221	6/1994
DE	29600236	4/1996
DE	29613608	11/1996
DE	29618755	3/1997
DE	19701964	7/1998
DE	29821121	4/1999
DE	29821331	4/1999
EP	0208401	* 1/1987
EP	0254397	* 1/1988
EP	0374152	* 6/1990
EP	0520985	* 1/1993
EP	0537465	* 4/1993
EP	0546203	* 6/1993

US D458,455 S

Page 3

EP	0582670	* 2/1994
EP	0585738	* 3/1994
EP	0628291	* 12/1994
EP	0641181	* 3/1995
EP	0990424	* 4/2000
EP	1053721	* 11/2000
FR	2368854	5/1978
FR	2769187	4/1991
GB	369600	3/1932
GB	2228861	9/1990
GB	2237505	5/1991
GB	2290224	12/1995
GB	2319170	5/1998
JP	6245820	9/1994
KR	811646	4/1981
KR	1983002315	11/1983
TW	137856	7/1990
TW	239963	2/1995
TW	239964	2/1995
TW	253174	8/1995
TW	330411	4/1998
WO	9309729	5/1993
WO	9403125	2/1994
WO	9405230	3/1994

WO	9531123	11/1995
WO	9701307	1/1997
WO	9800049	1/1998
WO	9826729	6/1998
WO	9846103	10/1998
WO	9907251	2/1999
WO	9965359	12/1999

OTHER PUBLICATIONS

Wallrath, Electric Toothbrush, Patent Abstract of Germany, DE 3406112 (Feb. 21, 1984) (Abstract only).

Bachrich, Toothbrush, Patent Abstract of United Kingdom, 452,961 (Dec. 19, 1934) (Abstract only).

Sgan-Cohen et al., One Month Evaluation of the Manually Rotating "Bio-Bright" Toothbrush for Clinical Safety and Efficacy, Journal article, Department of Community Dentistry, Jerusalem, Israel, p. 120-123.

Bader, Review of Currently Available Battery-Operated Toothbrushes, Compend. Contin. Educ. Dent., vol. XIII, No. 12, Dec. 1992, p. 1162, 1164-1169.

* cited by examiner

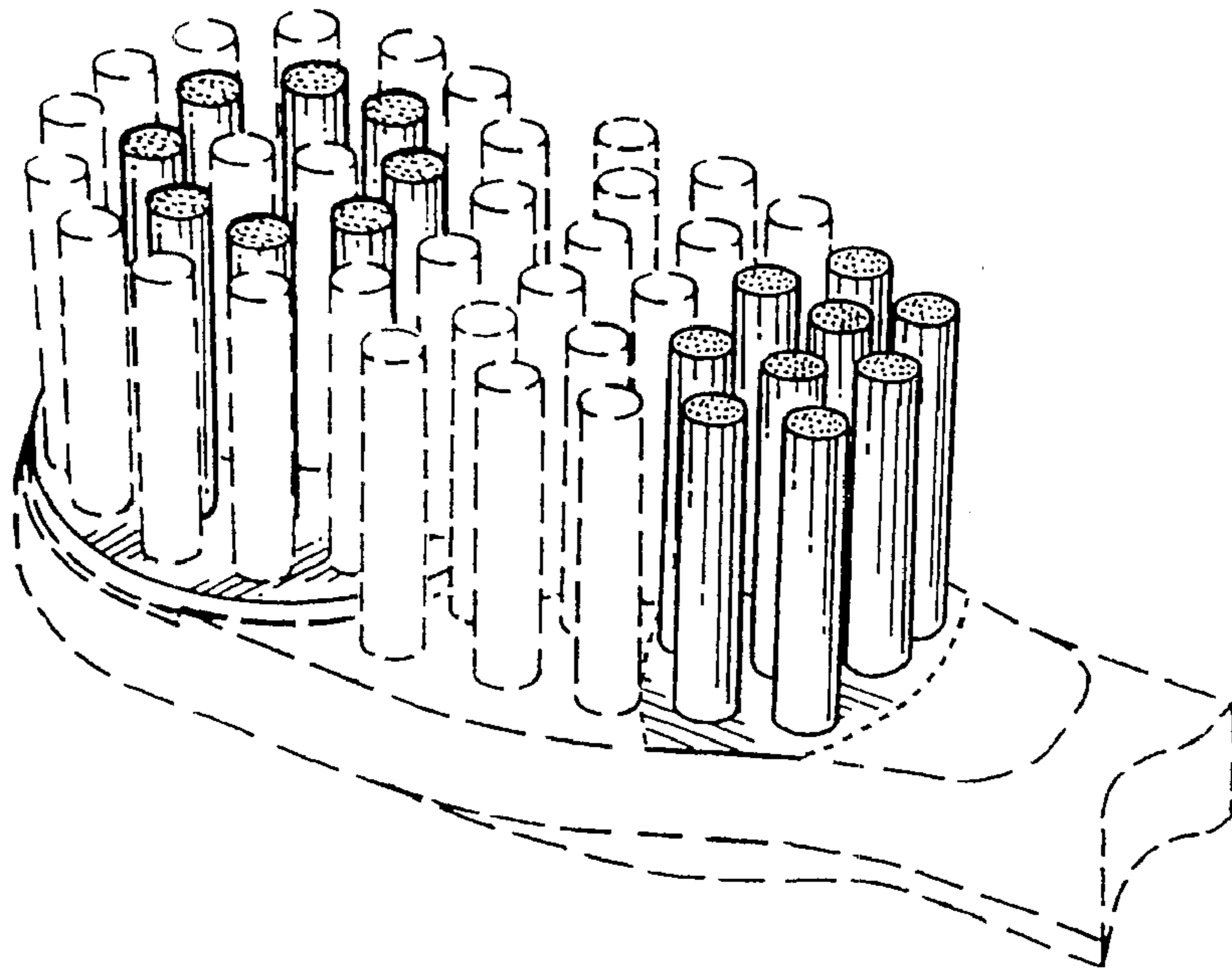


FIG. 1

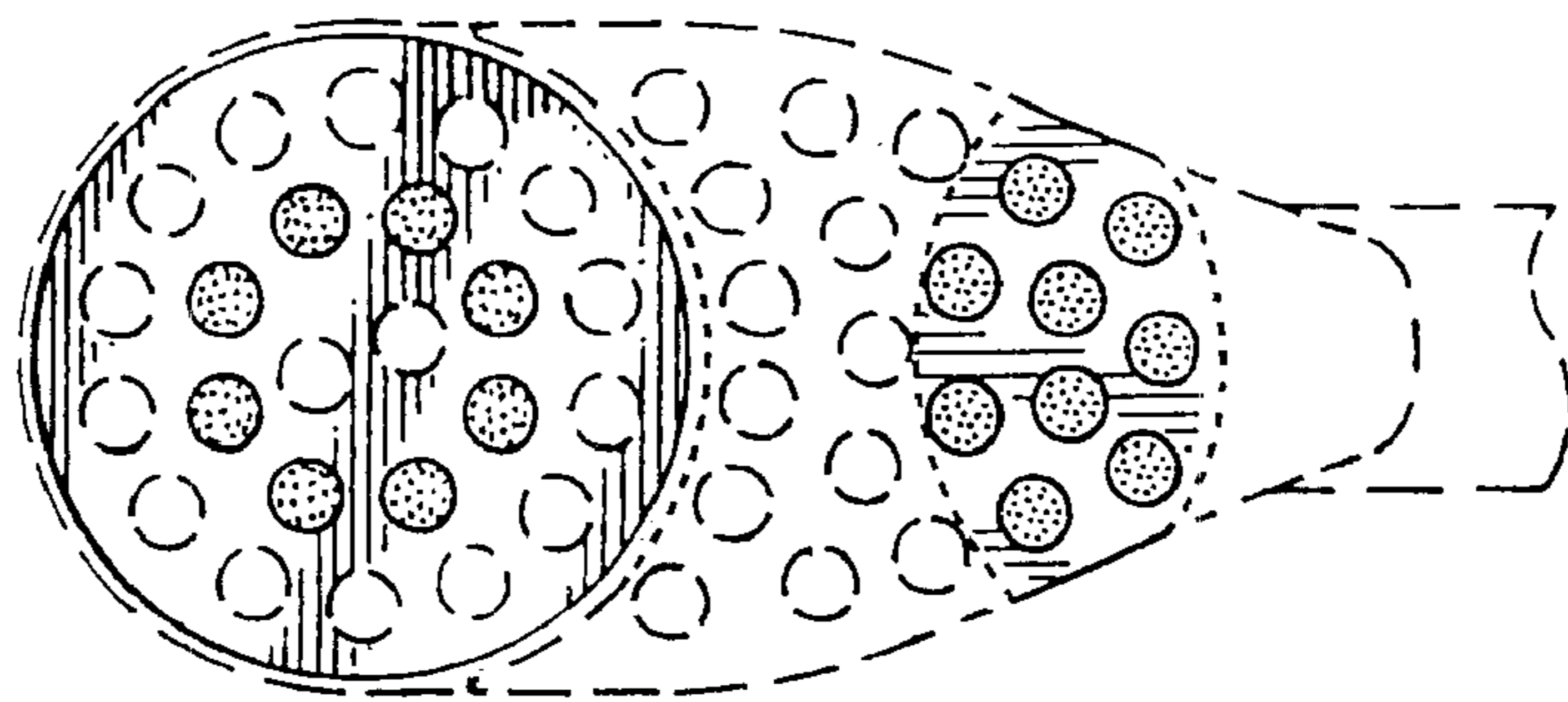


FIG. 2

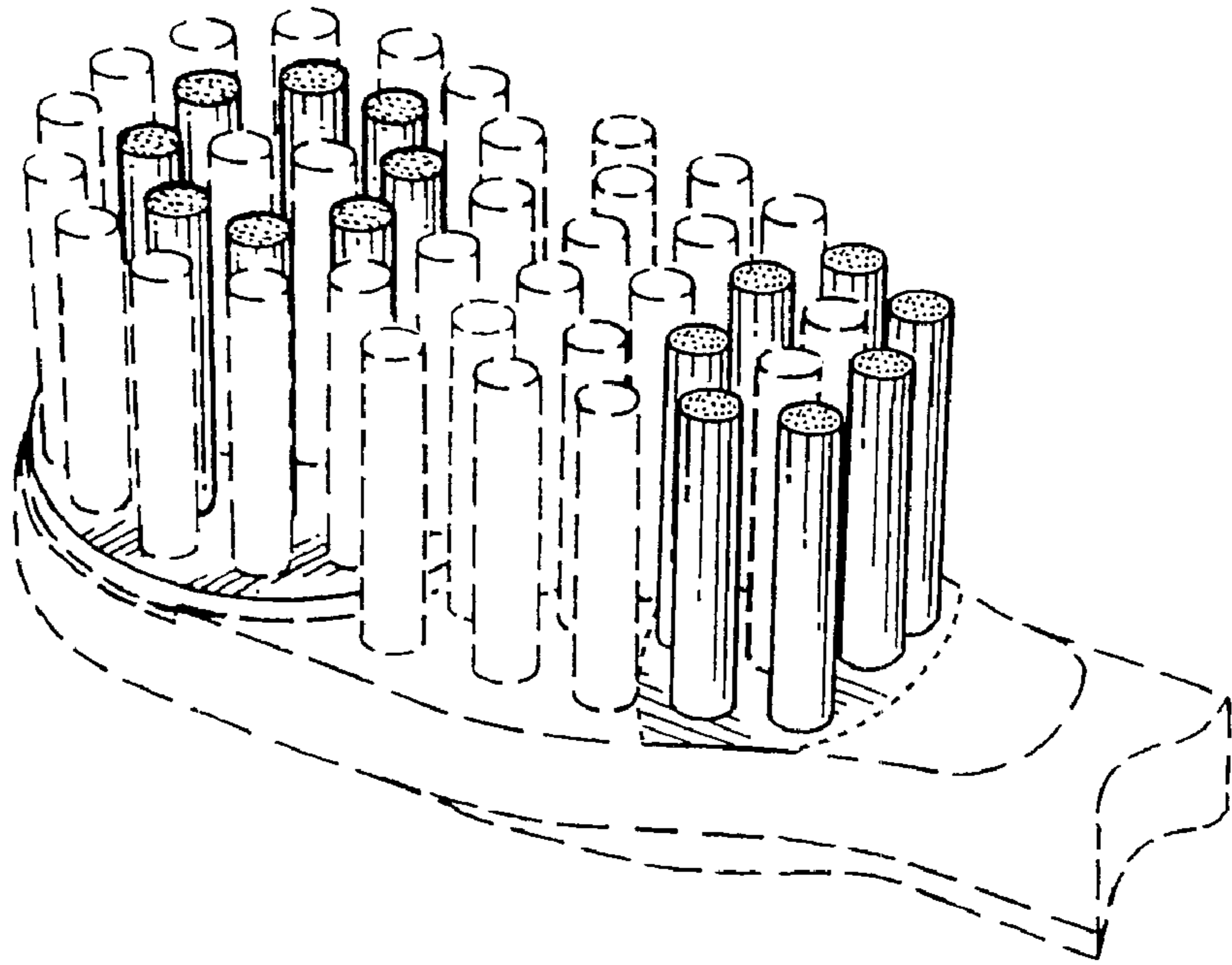


FIG. 3

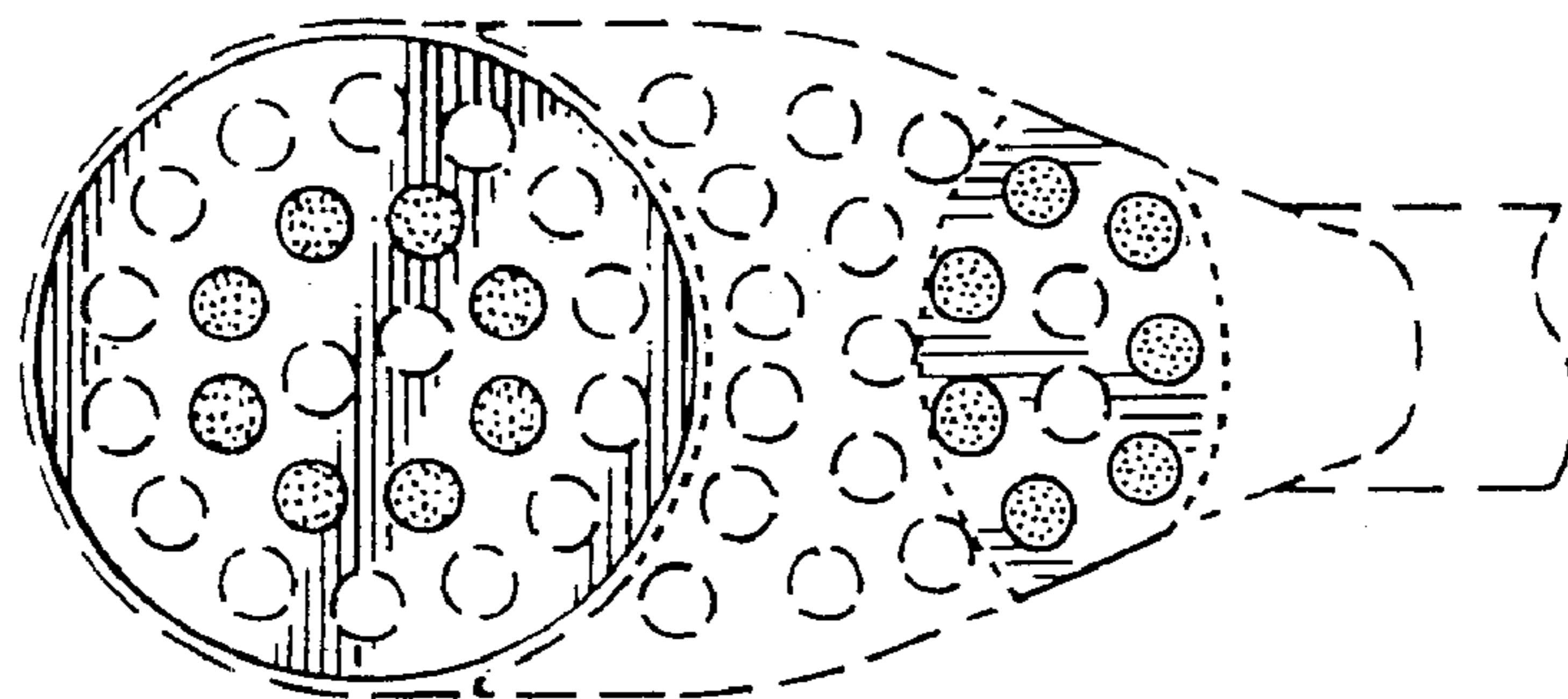


FIG. 4