

US00D794793S

(12) **United States Design Patent** (10) **Patent No.:** **US D794,793 S**
Butz (45) **Date of Patent:** **** Aug. 15, 2017**

(54) **INTERDENTAL CLEANER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **INTERBROS GMBH**, Schönaue (DE)
(72) Inventor: **Jürgen Butz**, Schönaue (DE)
(73) Assignee: **INTERBROS GMBH**, Schönaue (DE)
(**) Term: **15 Years**
(21) Appl. No.: **29/576,410**
(22) Filed: **Sep. 2, 2016**

CN	303535305	*	4/2015
WO	WO D087426-001	*	8/2015
WO	WO D087426-009	*	8/2015
WO	WO D087426-010	*	8/2015
WO	WO D087426-011	*	8/2015
WO	WO D087426-012	*	8/2015

Primary Examiner — Wan Laymon

(74) *Attorney, Agent, or Firm* — McGlew and Tuttle, P.C.

Related U.S. Application Data

(62) Division of application No. 35/500,137, filed on Aug. 11, 2015 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of Sep. 18, 2015.

(30) **Foreign Application Priority Data**

Feb. 13, 2015 (EM) 001430102
Feb. 27, 2015 (EM) 001430771

(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/152; D4/111**

(58) **Field of Classification Search**

USPC D24/152, 156, 176, 133, 146–147, 119;
D4/104–107, 109, 111, 128, 136; D28/68
CPC A46B 3/00; A46B 1/00; A46B 5/00; A46B
5/0062; A46B 5/02; A46B 5/021; A46B
5/026; A46B 2200/108; A46B 2200/1066;
A61C 15/00; A61C 15/02; A61C 15/047;
A61C 15/048; A61C 15/0069; A61C
15/0087; A61C 15/0093

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D536,529 S *	2/2007	Antler	.....	D4/111
D594,984 S *	6/2009	Crossman	.....	D24/152
D674,610 S *	1/2013	Eatherton	.....	D4/111
8,663,520 B2 *	3/2014	Kalbfeld	.....	A46B 1/00 264/138

(Continued)

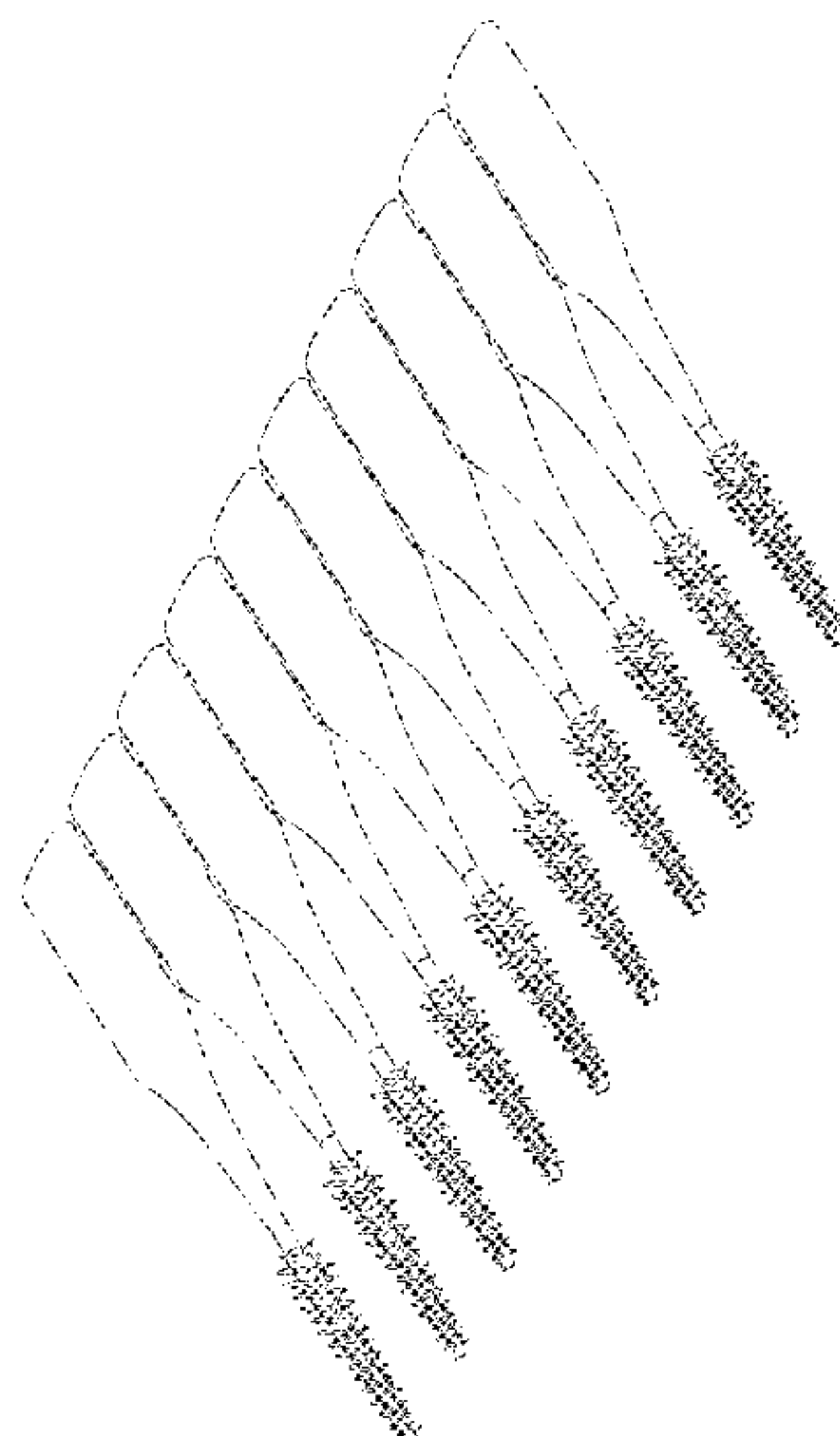
(57) **CLAIM**

The ornamental design for a interdental cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of my design;
FIG. 2 is a front view of the design of FIG. 1;
FIG. 3 is a rear view of the design of FIG. 1;
FIG. 4 is a top view of the design of FIG. 1;
FIG. 5 is a bottom view of the design of FIG. 1;
FIG. 6 is a left view of the design of FIG. 1;
FIG. 7 is a right view of the design of FIG. 1;
FIG. 8 is a perspective view of another design;
FIG. 9 is a front view of the design of FIG. 8;
FIG. 10 is a rear view of the design of FIG. 8;
FIG. 11 is a top view of the design of FIG. 8;
FIG. 12 is a bottom view of the design of FIG. 8;
FIG. 13 is a left view of the design of FIG. 8;
FIG. 14 is a right view of the design of FIG. 8;
FIG. 15 is a perspective view of another design;
FIG. 16 is a front view of the design of FIG. 15;
FIG. 17 is a rear view of the design of FIG. 15;
FIG. 18 is a top view of the design of FIG. 15;
FIG. 19 is a bottom view of the design of FIG. 15;
FIG. 20 is a left view of the design of FIG. 15; and,
FIG. 21 is a right view of the design of FIG. 15.

1 Claim, 21 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D767,900	S *	10/2016	Kalbfeld	.....	D4/111
2006/0254609	A1 *	11/2006	Kuo	.....	A46B 5/02
					132/321
2009/0230756	A1 *	9/2009	Crossman	.....	A46B 5/02
					300/21
2014/0008837	A1 *	1/2014	Eatherton	.....	A46B 1/00
					264/243
2014/0166043	A1 *	6/2014	Dishon	.....	A61C 15/02
					132/329
2015/0257861	A1 *	9/2015	Dishon	.....	A61C 15/02
					132/329
2015/0282601	A1 *	10/2015	Butz	.....	A46B 1/00
					15/167.1
2016/0058531	A1 *	3/2016	Adriano	.....	A61C 15/02
					132/329
2016/0135932	A1 *	5/2016	Butz	.....	A61C 15/02
					132/329
2016/0367345	A1 *	12/2016	Wallstrom	.....	A61C 15/02

* cited by examiner

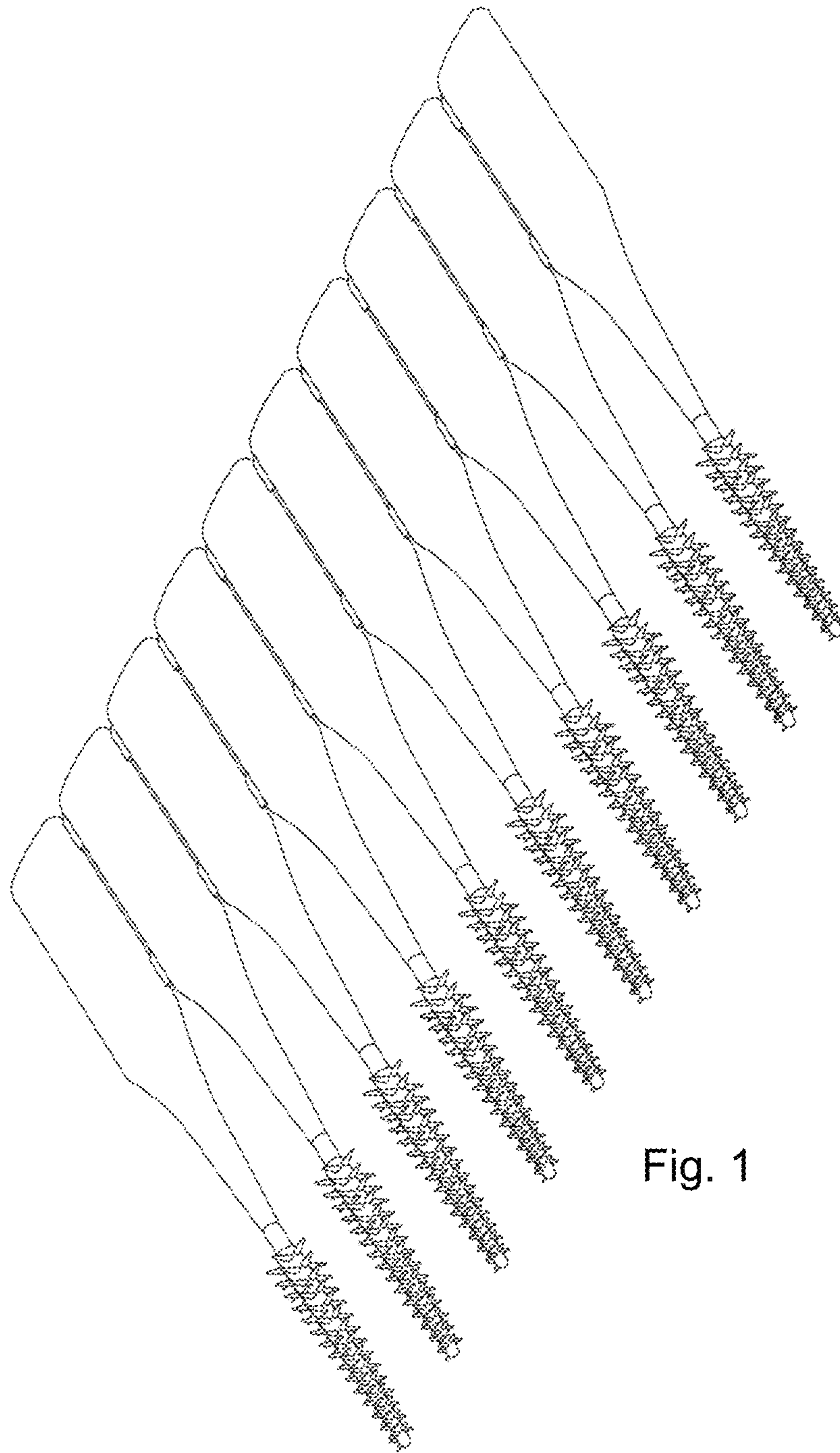


Fig. 1

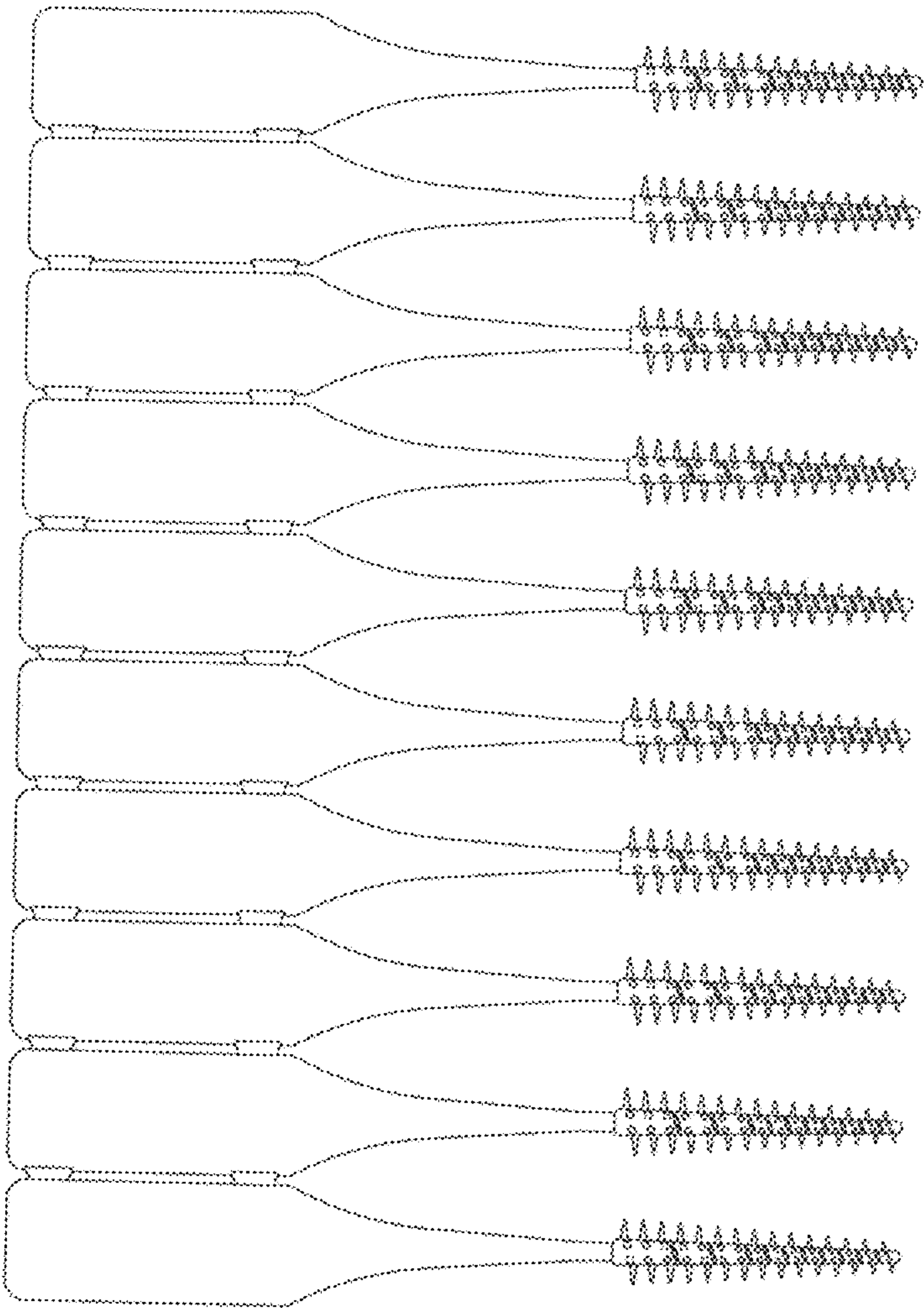


Fig. 2

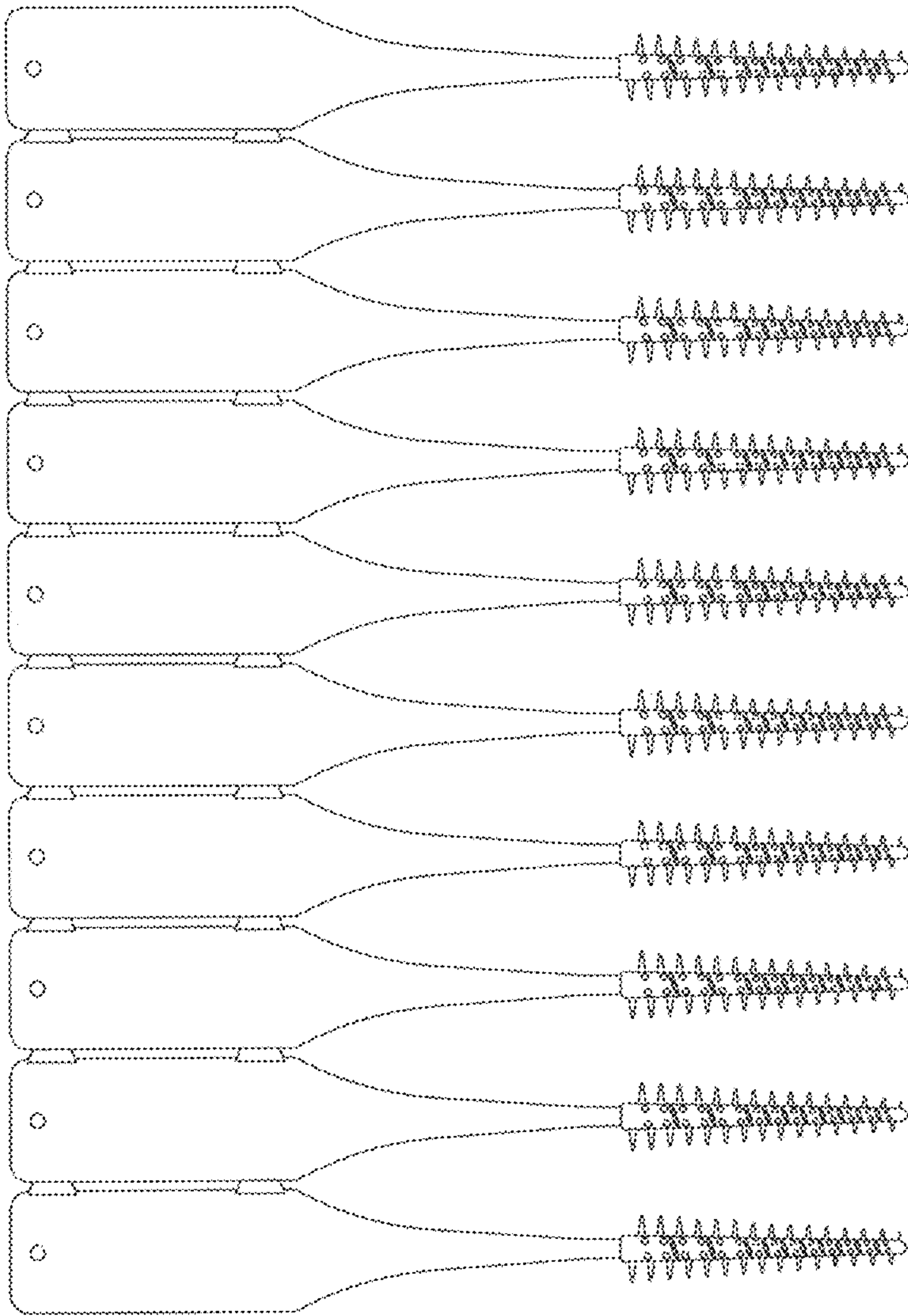


Fig. 3

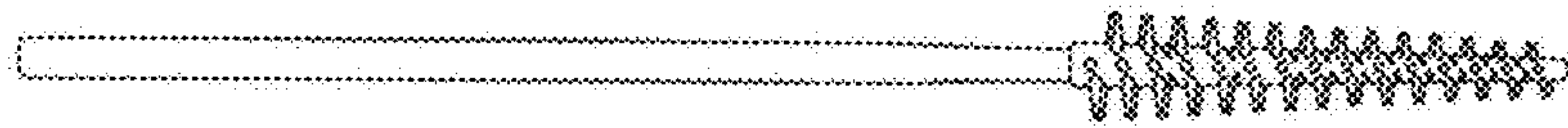


Fig. 4

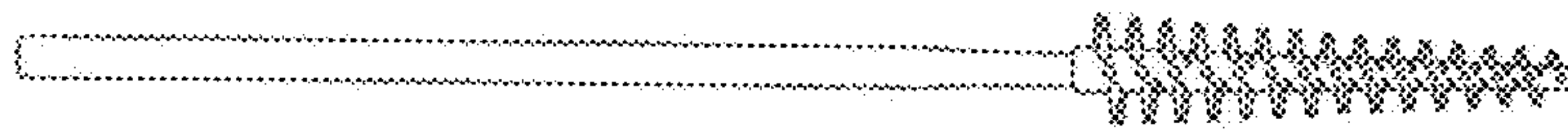


Fig. 5

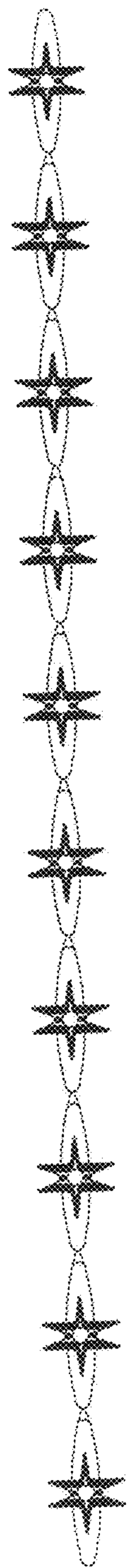


Fig. 6

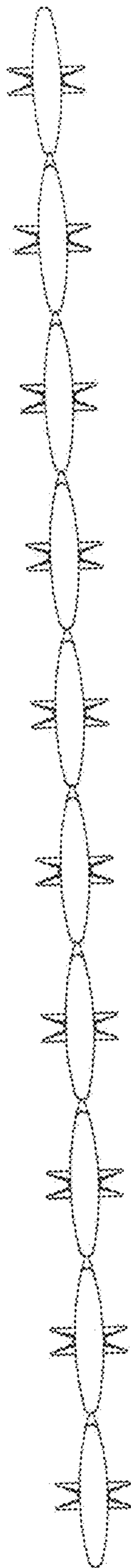


Fig. 7

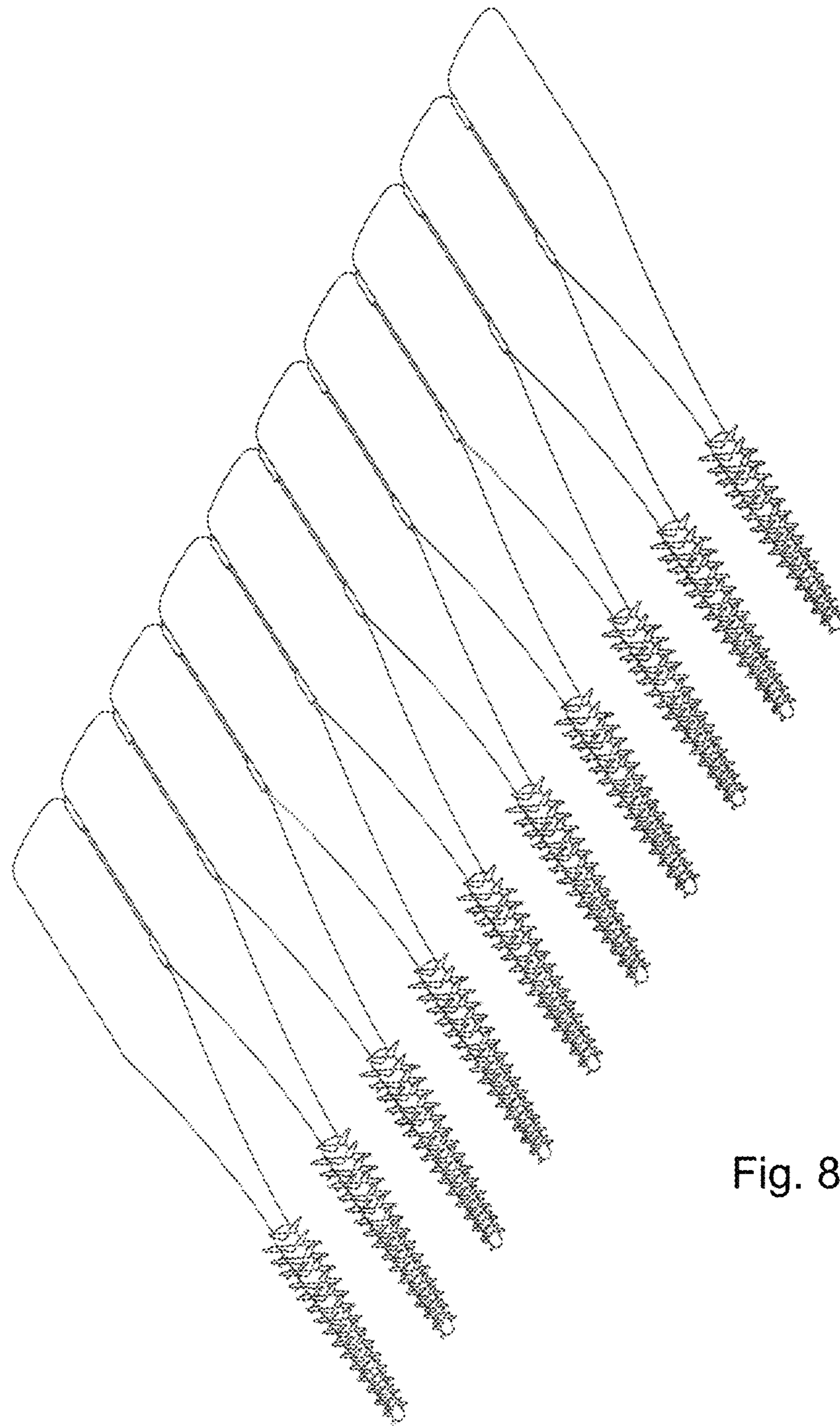


Fig. 8

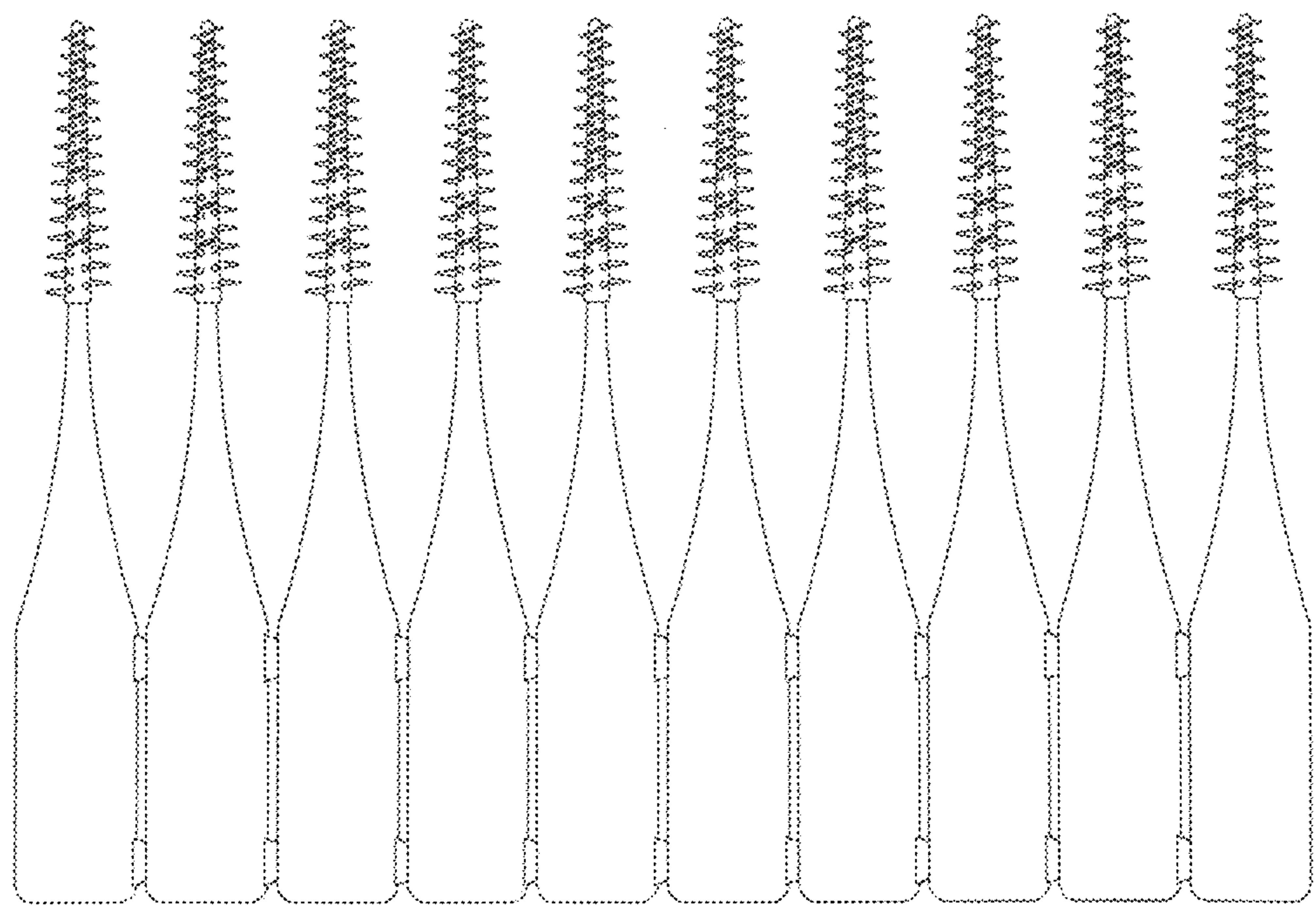


Fig. 9

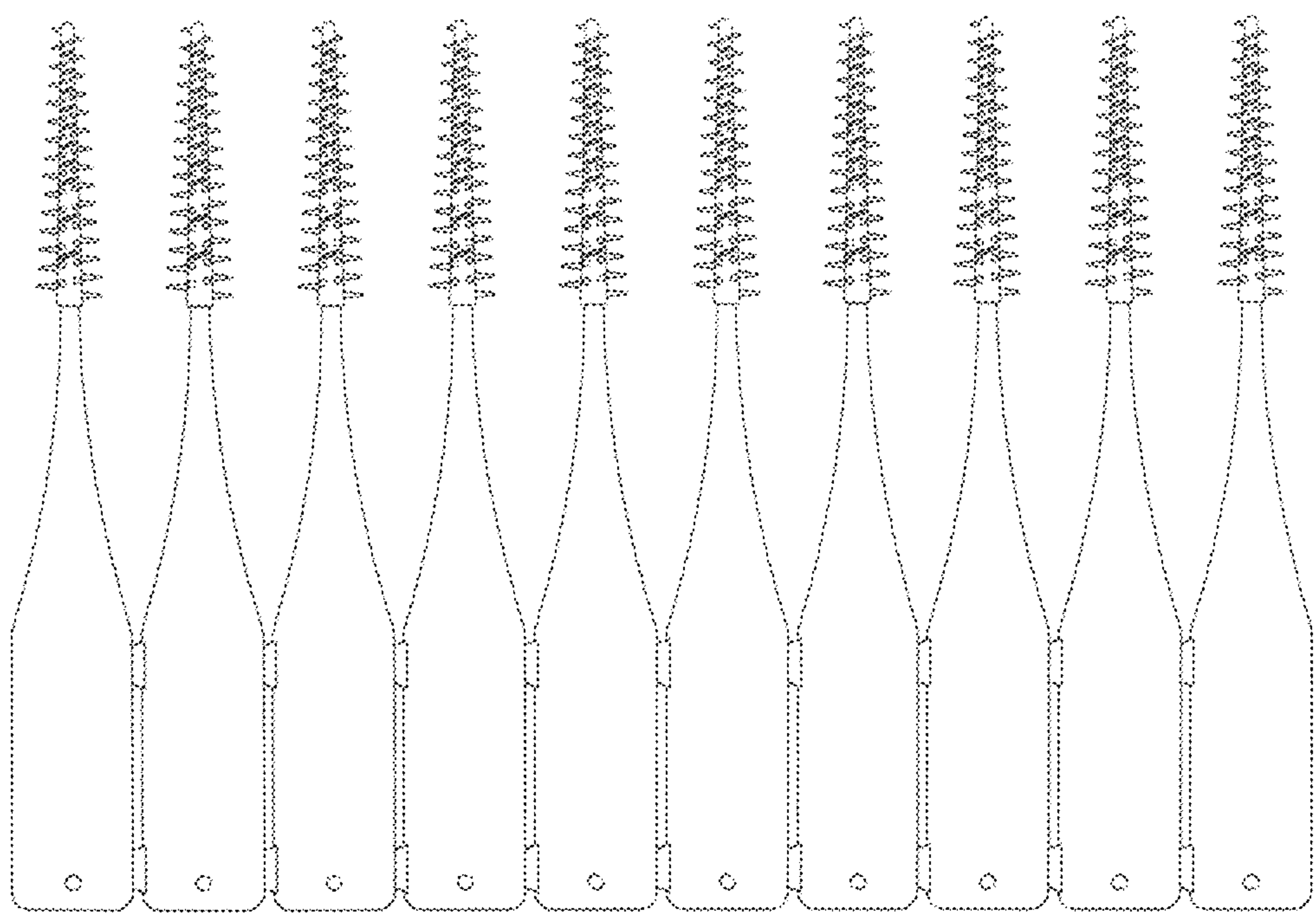


Fig. 10

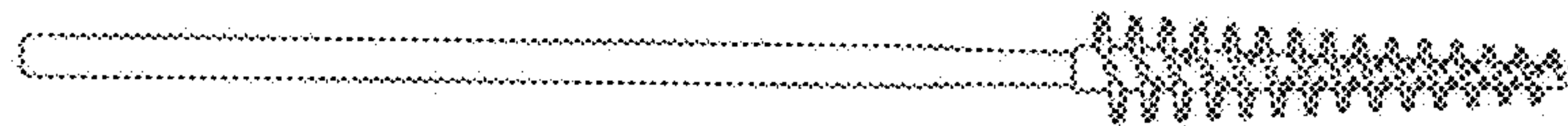


Fig. 11

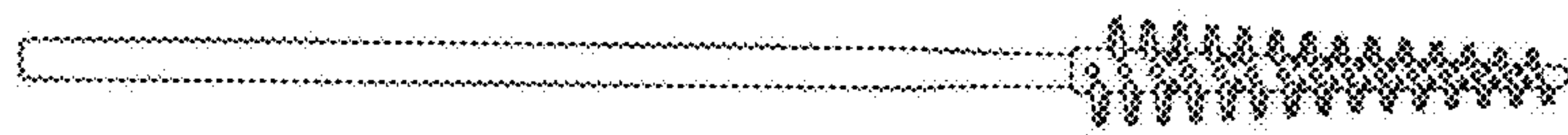


Fig. 12

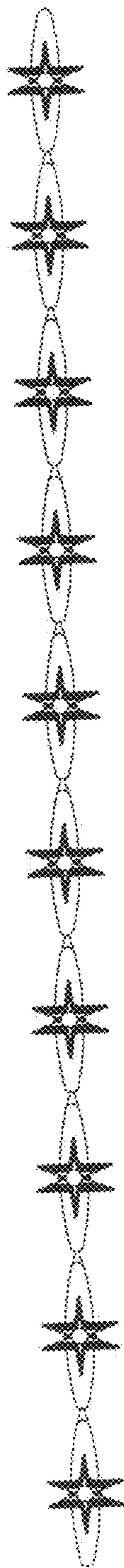


Fig. 13

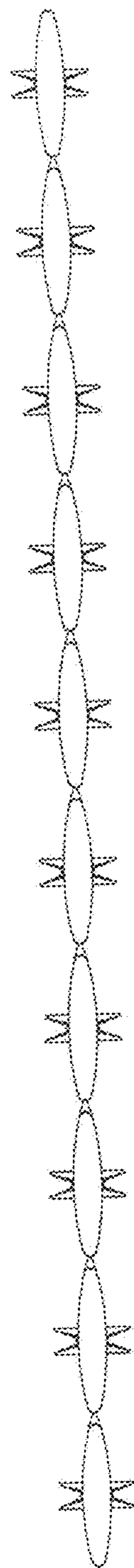


Fig. 14

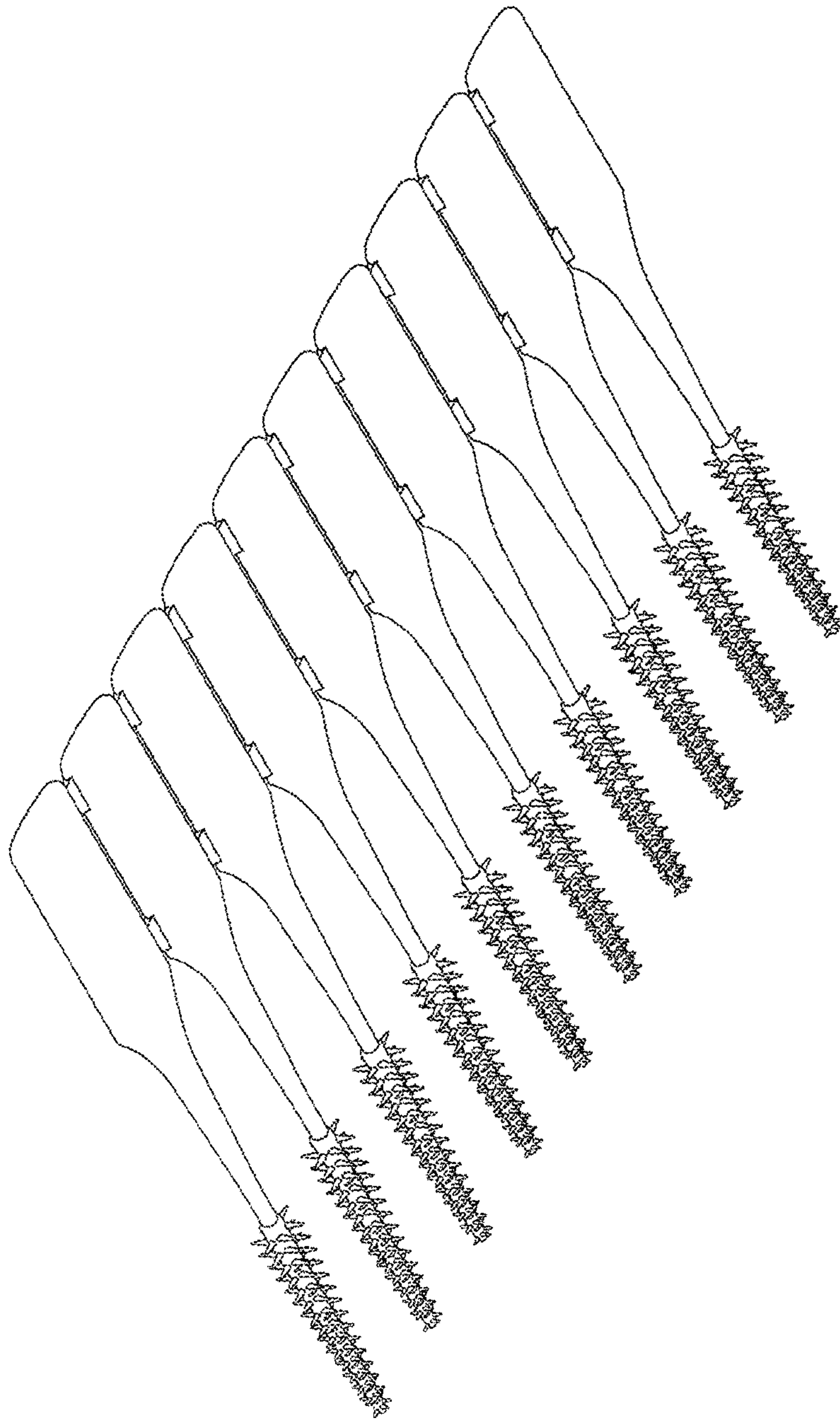


Fig. 15

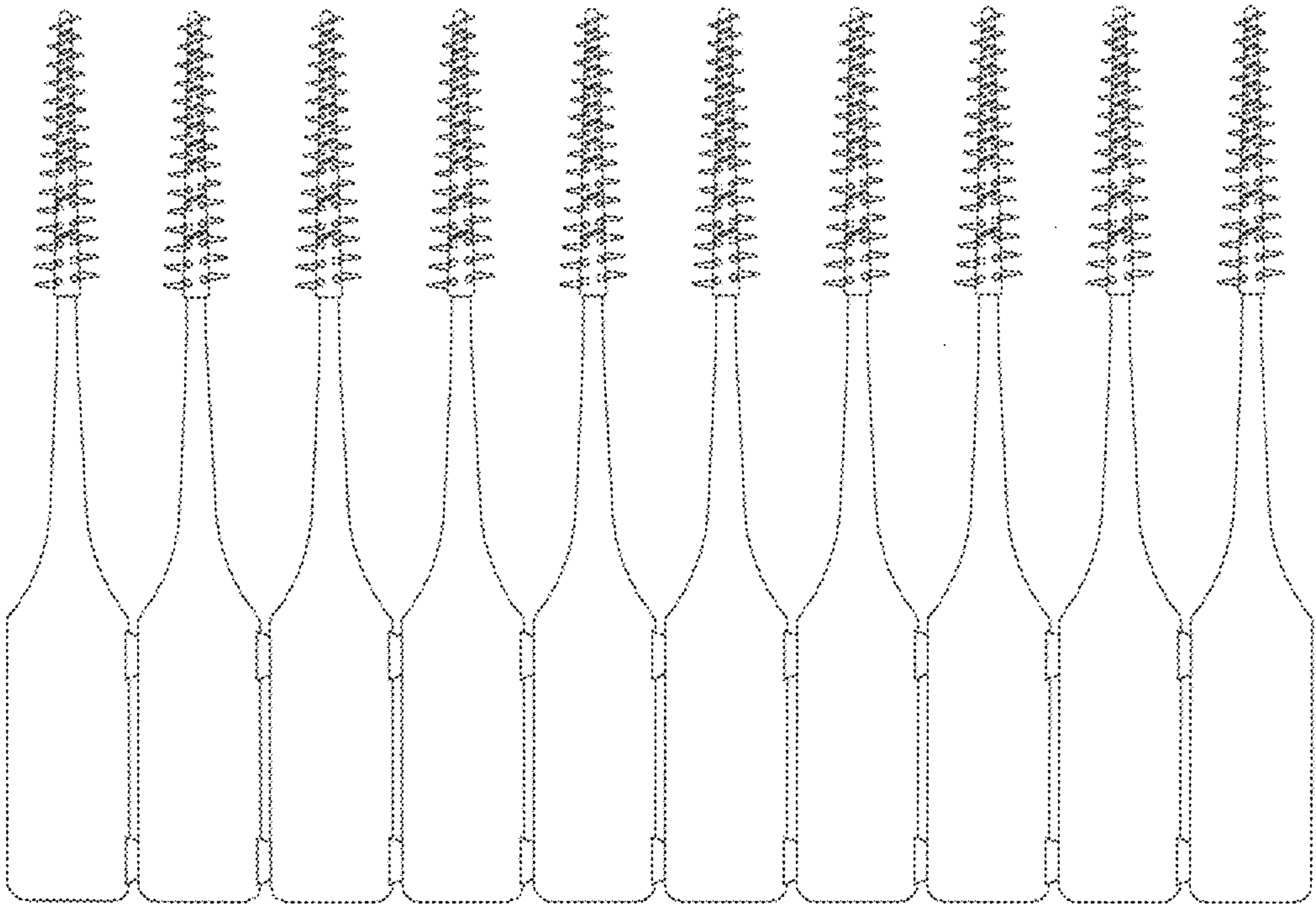


Fig. 16

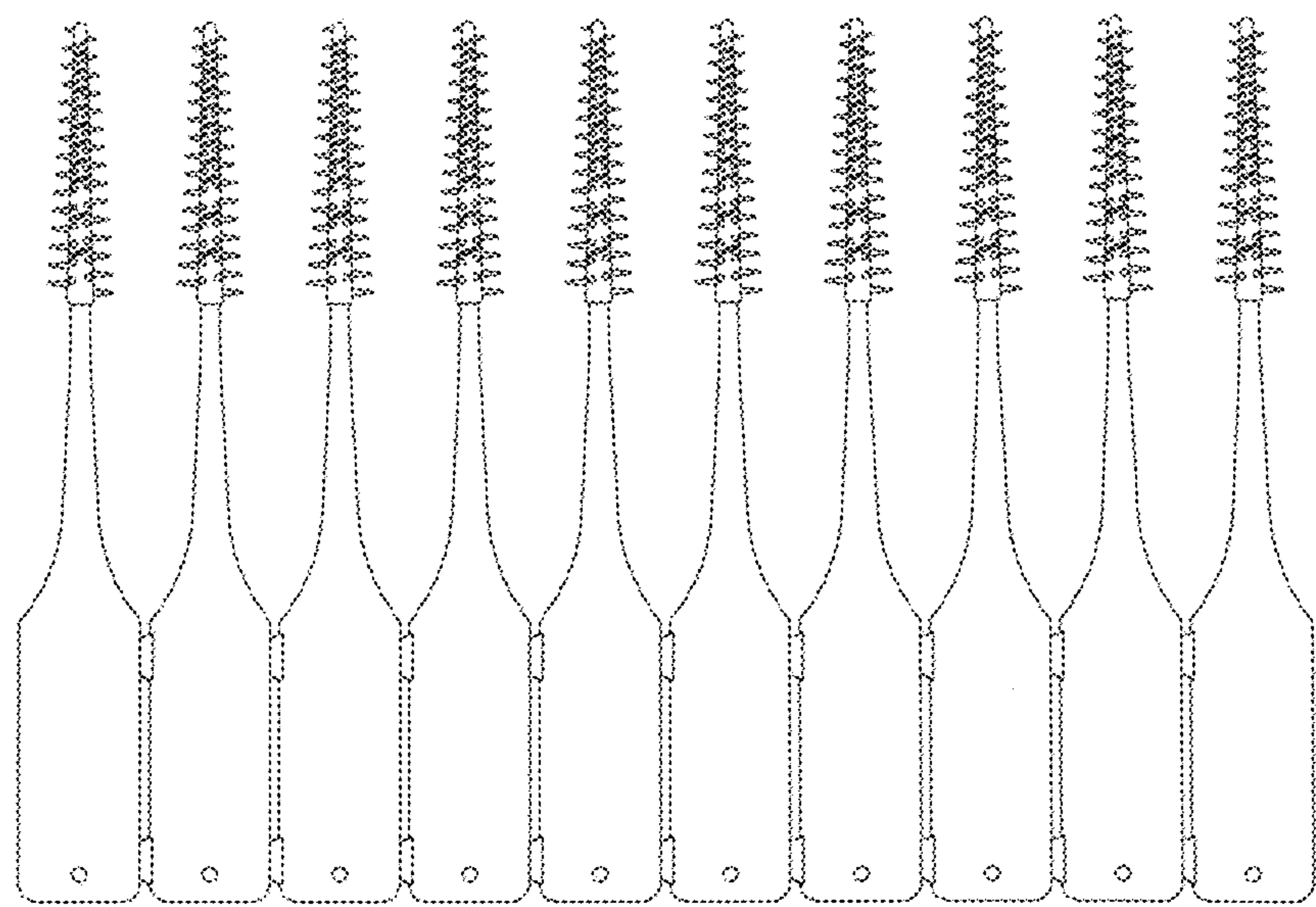


Fig. 17

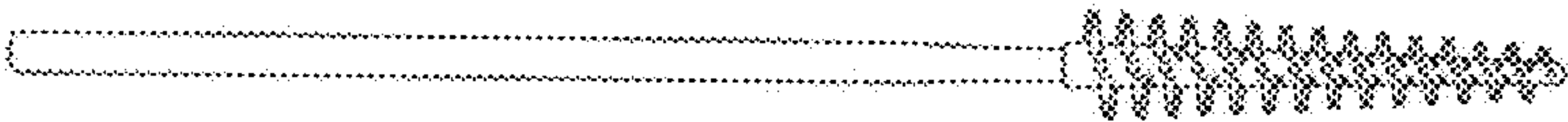


Fig. 18

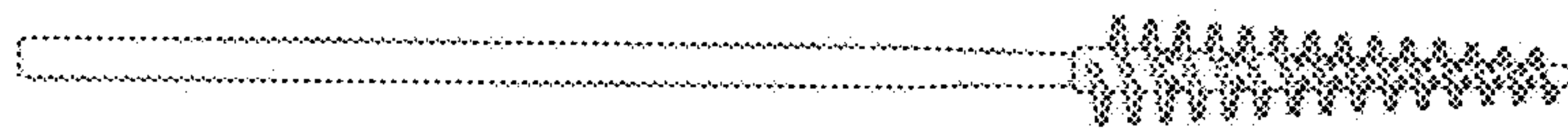


Fig. 19

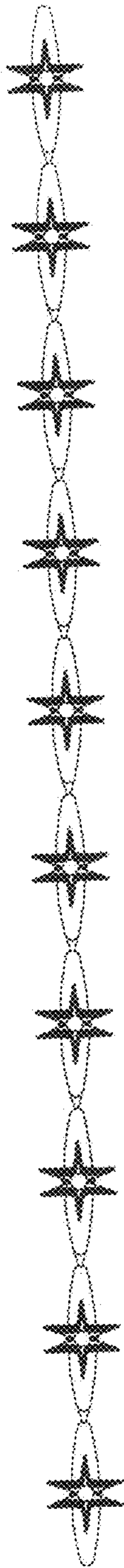


Fig. 20

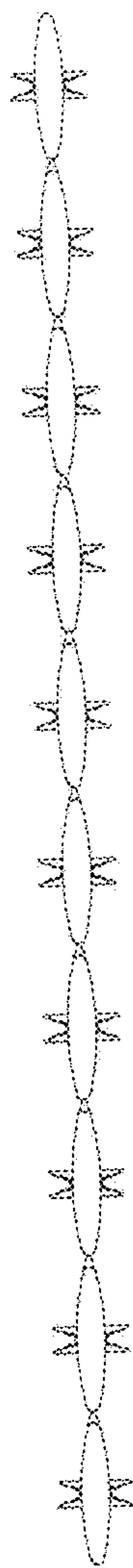


Fig. 21