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(12) **United States Design Patent** (10) **Patent No.:** **US D495,053 S**
Laun (45) **Date of Patent:** **** Aug. 24, 2004**

(54) **TROCAR**

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(73) Assignee: **Conmed Corporation**, Utica, NY (US)

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

(21) Appl. No.: **29/168,574**

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

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/944,190, filed on Aug. 31, 2001.

(51) **LOC (7) Cl.** **24-02**

(52) **U.S. Cl.** **D24/146**

(58) **Field of Search** D24/146, 147;
604/161, 167.07, 164.04, 164.12, 158, 164.1,
164.02, 164.11, 167; 606/185, 232

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,909,798	A	*	3/1990	Fleischhacker et al.	.....	604/256
5,129,885	A		7/1992	Green et al.	.....	604/167
5,152,754	A		10/1992	Plyley et al.	.....	604/164
5,203,769	A		4/1993	Clement et al.	.....	604/256
5,209,736	A		5/1993	Stephens et al.	.....	604/164
5,224,929	A		7/1993	Remiszewski	.....	604/30
5,261,891	A		11/1993	Brinkerhoff et al.	.....	604/165
5,263,937	A		11/1993	Shipp	.....	604/164
5,346,459	A		9/1994	Allen	.....	606/185
5,380,288	A		1/1995	Hart et al.	.....	604/167
D358,209	S		5/1995	Petruschke et al.	.....	D24/146

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

EP	536549	A1	4/1993
WO	WO 00/45720		8/2000

OTHER PUBLICATIONS

Wing et al., pending U.S. Utility patent application, Ser. No. 09/944,190, filed Aug. 31, 2001, entitled "Obturator and Cannula for a Trocar Adapted for Ease of Insertion and Removal" Attorney Docket No. 1242.017.

(List continued on next page.)

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(57) **CLAIM**

The ornamental design for a trocar, as shown and described.

DESCRIPTION

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FIG. 1 is an isometric view of a first embodiment of the trocar comprising my new design;

FIG. 2 is a left side elevational view thereof;

FIG. 3 is a right side elevational view thereof;

FIG. 4 is a front elevational view thereof;

FIG. 5 is a rear elevational view thereof;

FIG. 6 is a top plan view thereof; and

FIG. 7 is a bottom plan view thereof.

FIG. 8 is an isometric view of another embodiment of the trocar comprising my new design;

FIG. 9 is a left side elevational view thereof;

FIG. 10 is a right side elevational view thereof;

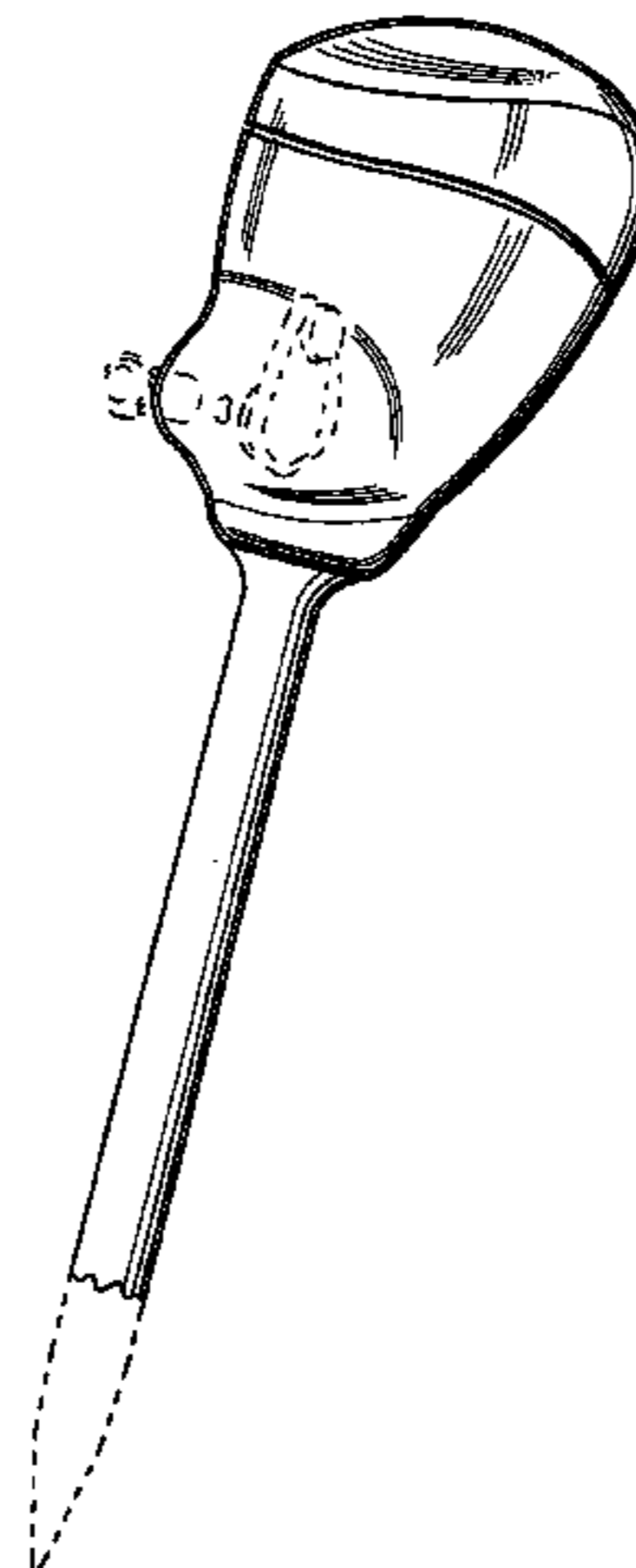
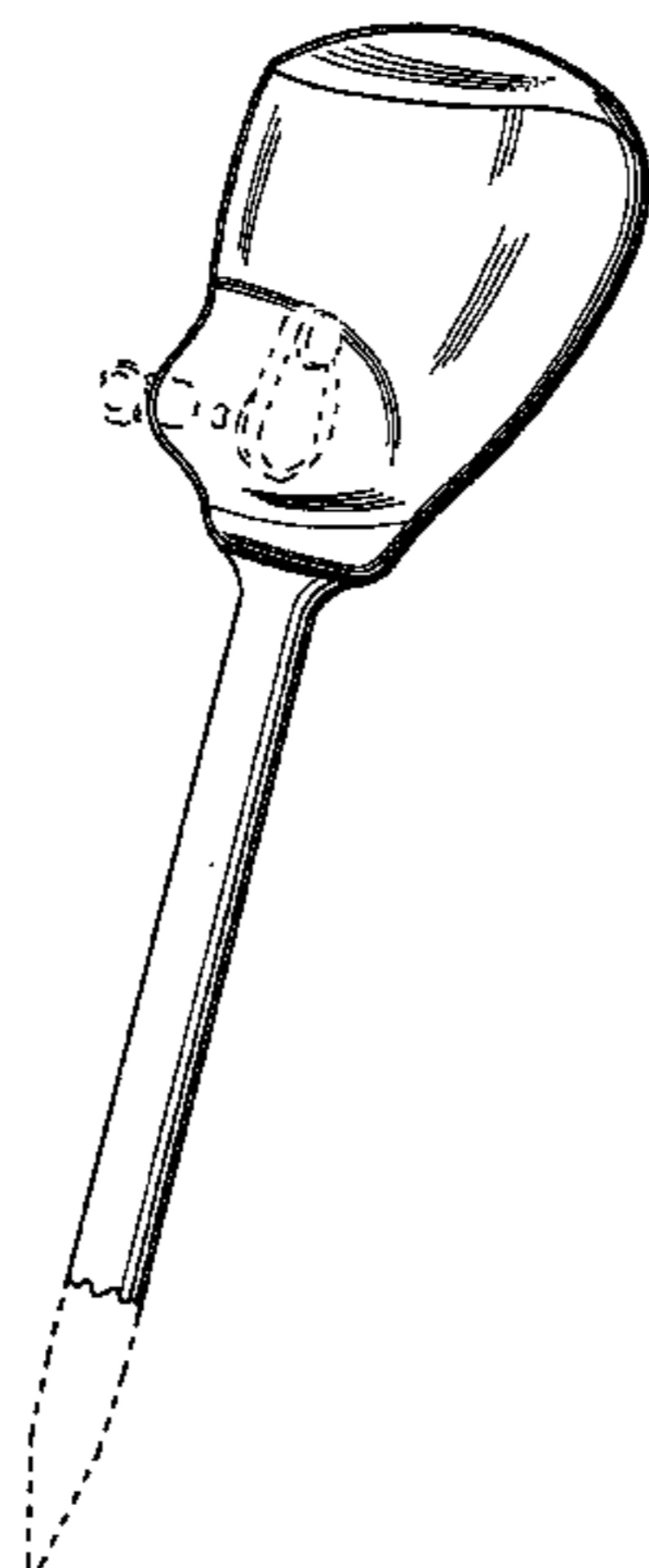
FIG. 11 is a front elevational view thereof; and,

FIG. 12 is a rear elevational view thereof.

The top plan view and the bottom plan view of the trocar depicted in FIG. 8 are identical to FIGS. 6 and 7, respectively.

The broken lines showing in FIGS. 1 through 12 are for illustrative purposes only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



U.S. PATENT DOCUMENTS

5,556,411 A	9/1996	Taoda et al.	606/185
D379,229 S	* 5/1997	Como Rodriguez et al.	D24/146
5,669,875 A	9/1997	van Eerdenburg	604/22
5,807,338 A	9/1998	Smith et al.	604/164
5,827,228 A	10/1998	Rowe	604/167
5,857,982 A	1/1999	Milliman et al.	600/567
5,865,807 A	2/1999	Blake, III	604/167
5,879,332 A	3/1999	Schwemberger et al. ...	604/164
5,904,699 A	5/1999	Schwemberger et al. ...	606/185
5,941,852 A	8/1999	Dunlap et al.	604/165
5,976,121 A	11/1999	Matern et al.	606/1
6,036,711 A	3/2000	Mozdzierz et al.	606/185
6,159,182 A	12/2000	Davis et al.	604/167.06
6,497,687 B1	12/2002	Blanco	604/274
6,500,188 B2	12/2002	Harper et al.	606/169
2003/0045834 A1	* 3/2003	Wing et al.	604/161
2003/0233114 A1	* 12/2003	Merboth et al.	606/185

OTHER PUBLICATIONS

Wing et al., pending U.S. Utility patent application, Ser. No. 10/264,530, filed Oct. 4, 2002, entitled "Trocar System" Attorney Docket No. 1242.025.

Witkowski, pending U.S. Design patent application Ser. No. 29/180,667, filed Apr. 28, 2003, entitled "Cannula Tube," Attorney Docket No. 1242.029C.

Laun, pending U.S. Design patent application Ser. No. 29/180,624, filed Apr. 28, 2003, entitled "Obturator," Attorney Docket No. 1242.029A.

Laun, pending U.S. Design patent application Ser. No. 29/180,774, filed Apr. 28, 2003, entitled "Cannula Head," Attorney Docket No. 1242.029B.

ConMed brochure entitled, "TroGard Finesse," dated Feb., 2000.

ConMed brochure entitled, "Advanced Patient Benefits, Single-Use Trocars," dated 2000.

ConMed brochure entitled, "Unsurpassed Control, Responsible Trocars," dated 1997.

* cited by examiner

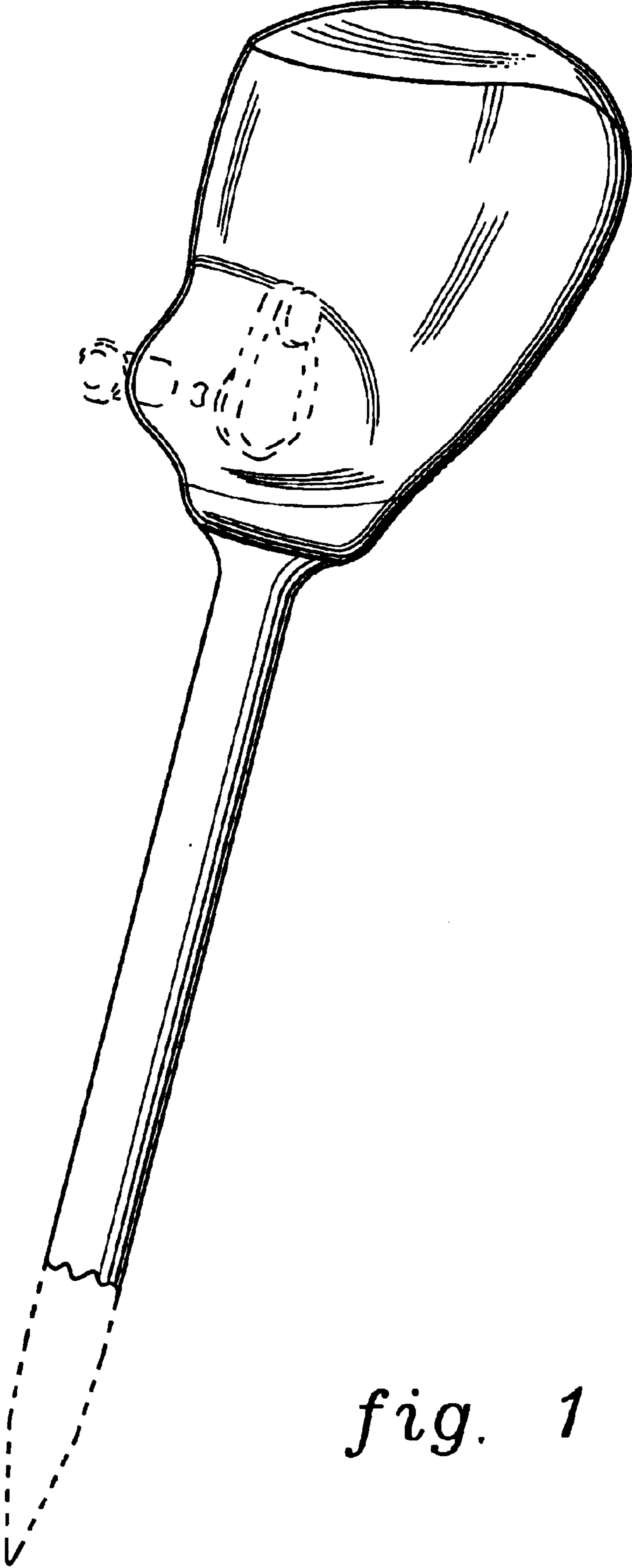
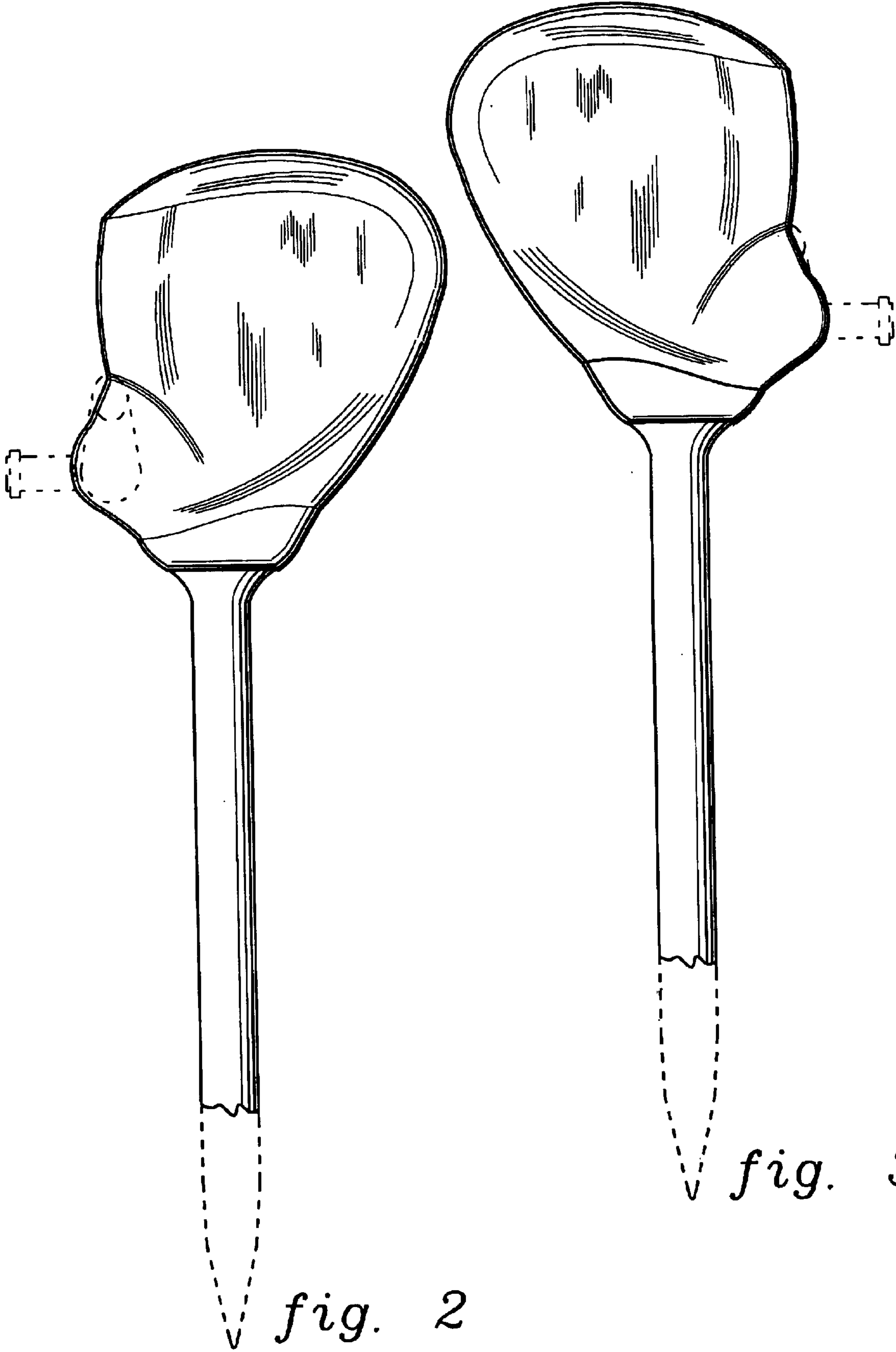


fig. 1



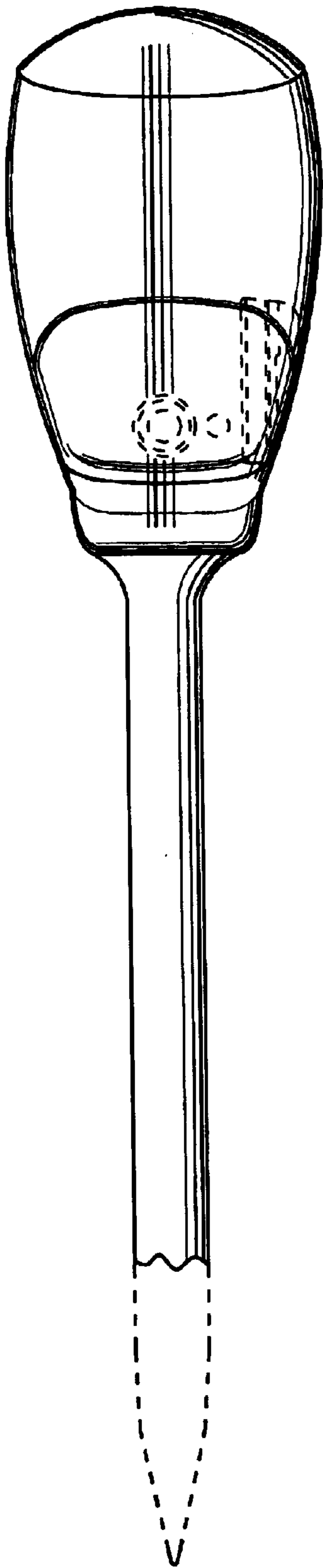


fig. 4

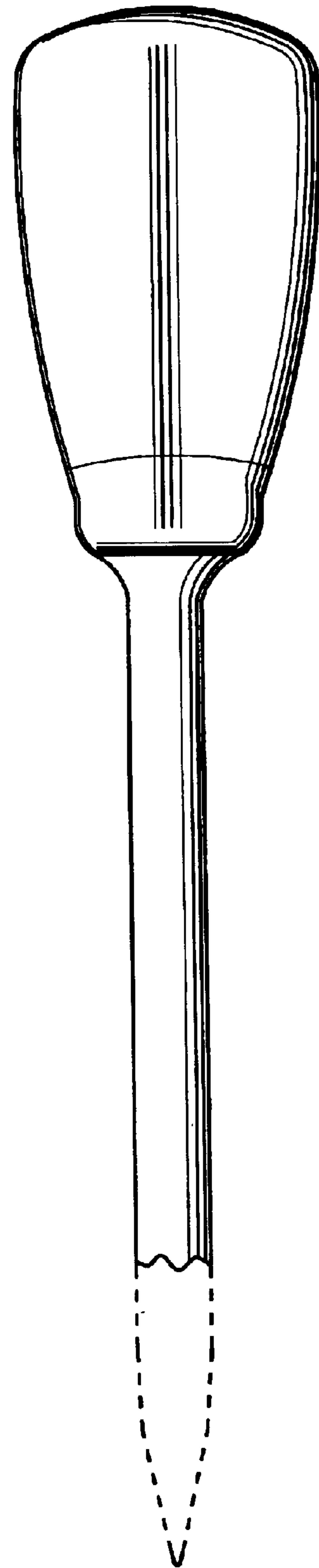


fig. 5

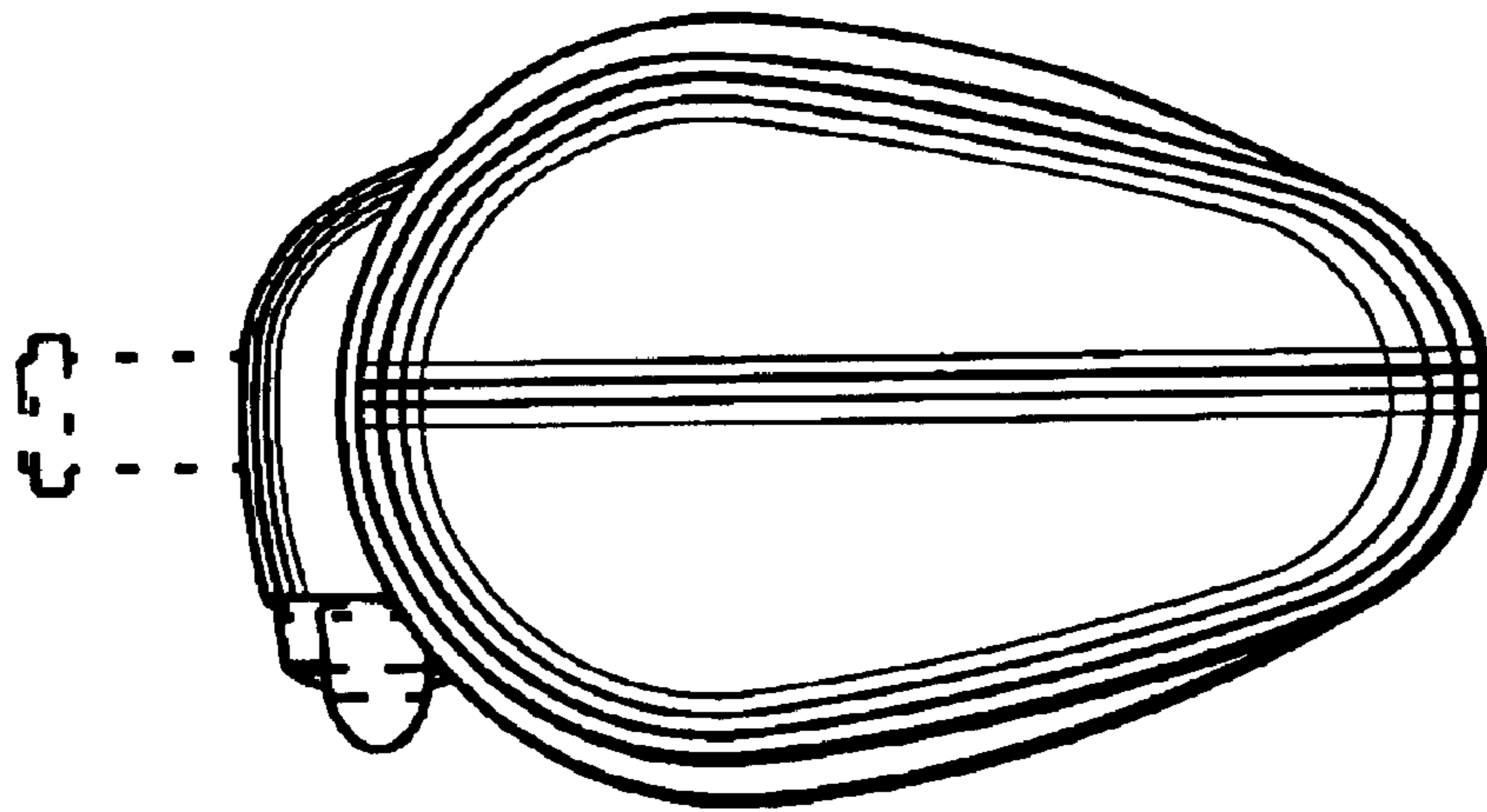


fig. 6

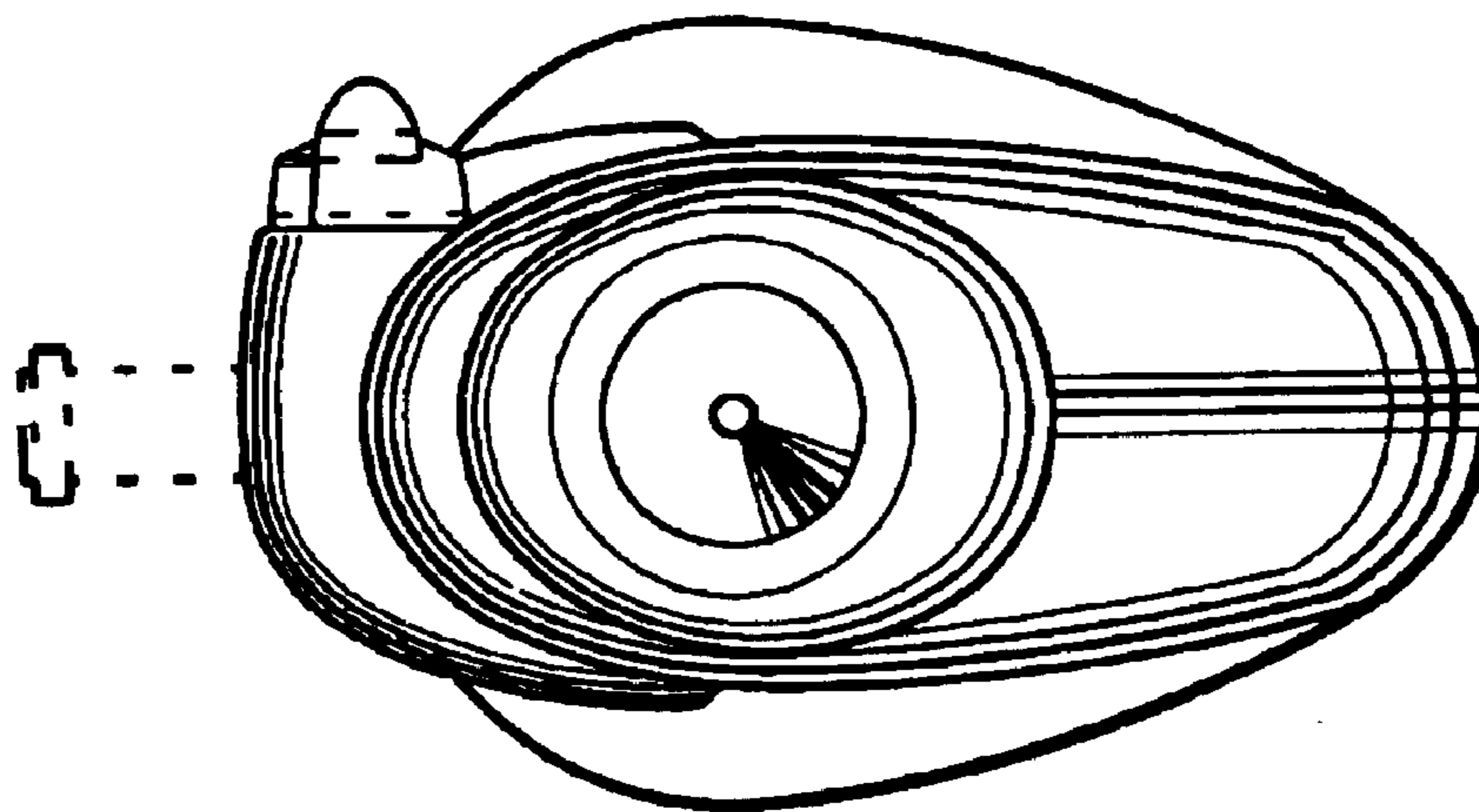


fig. 7

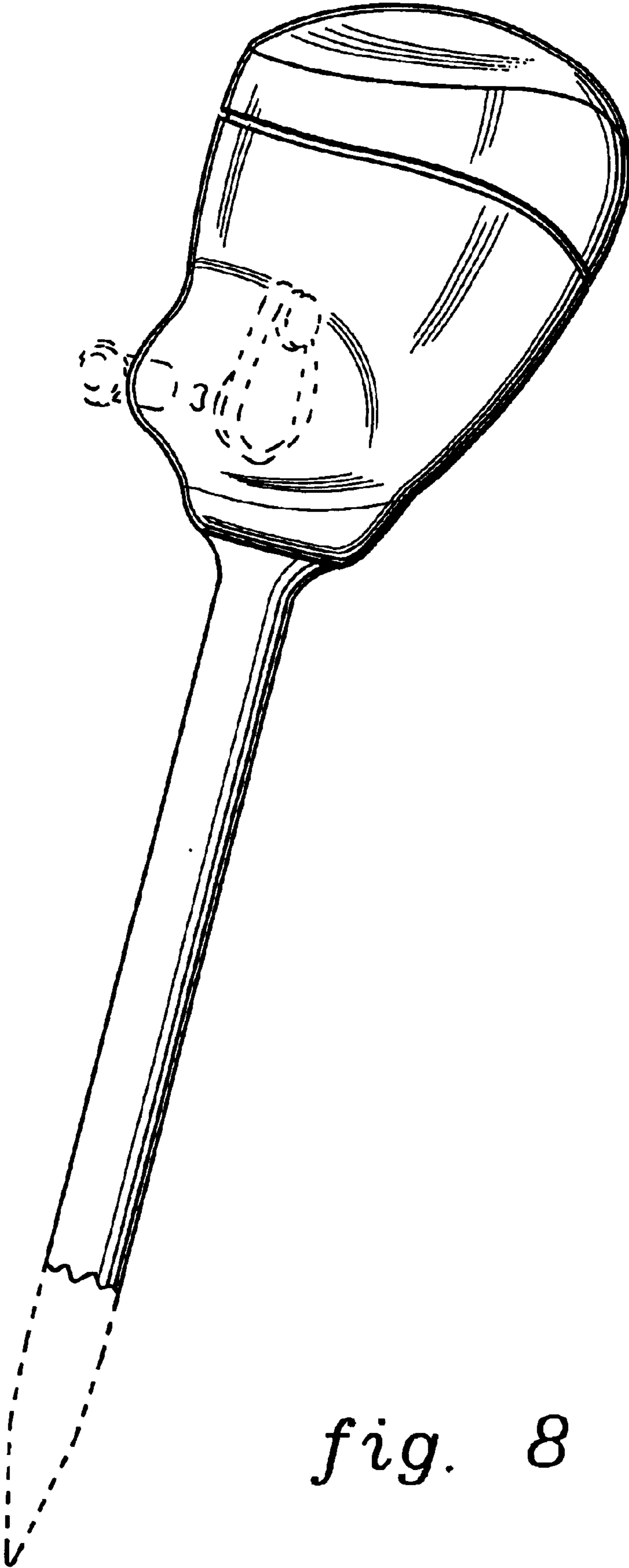
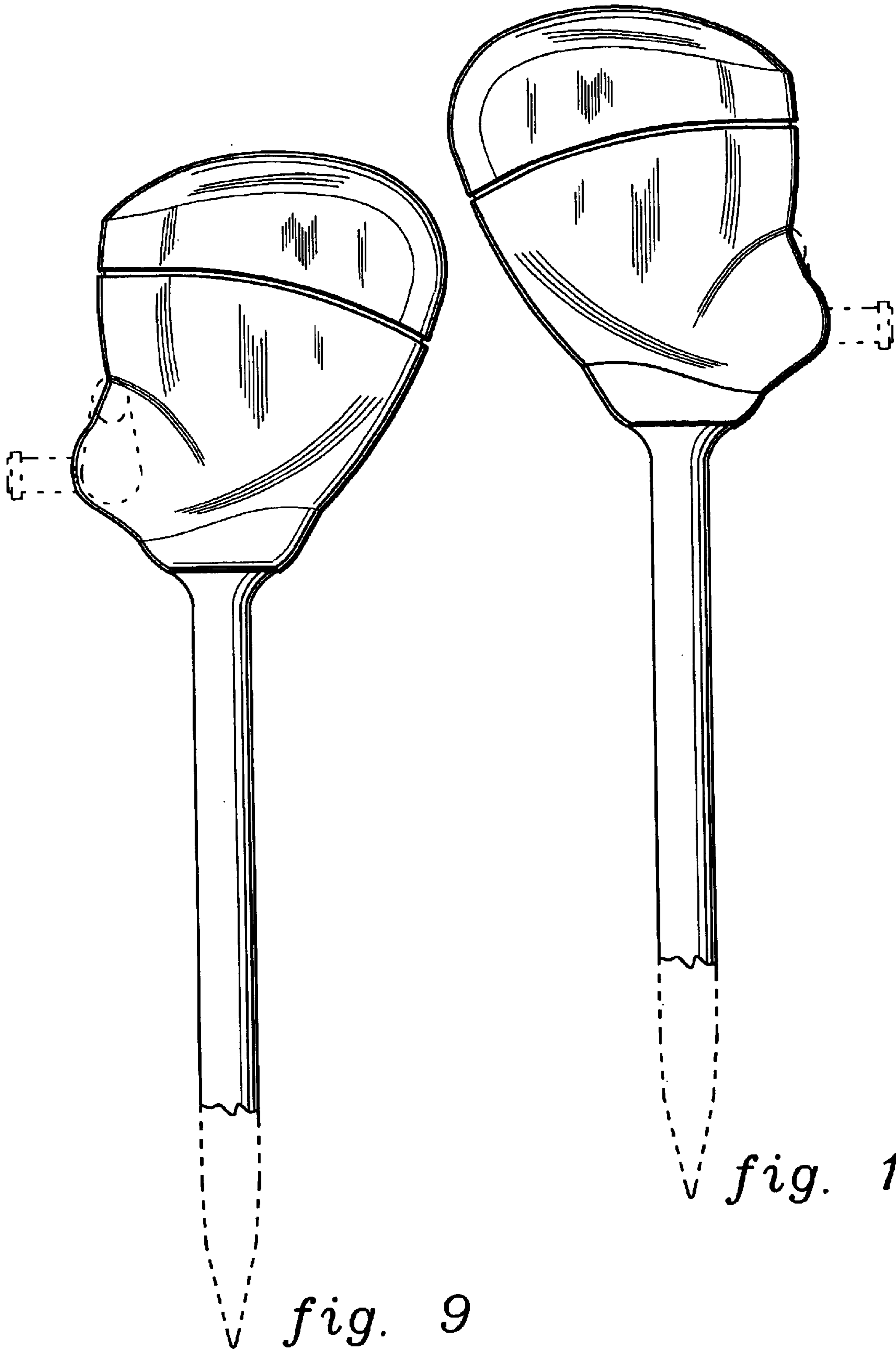


fig. 8



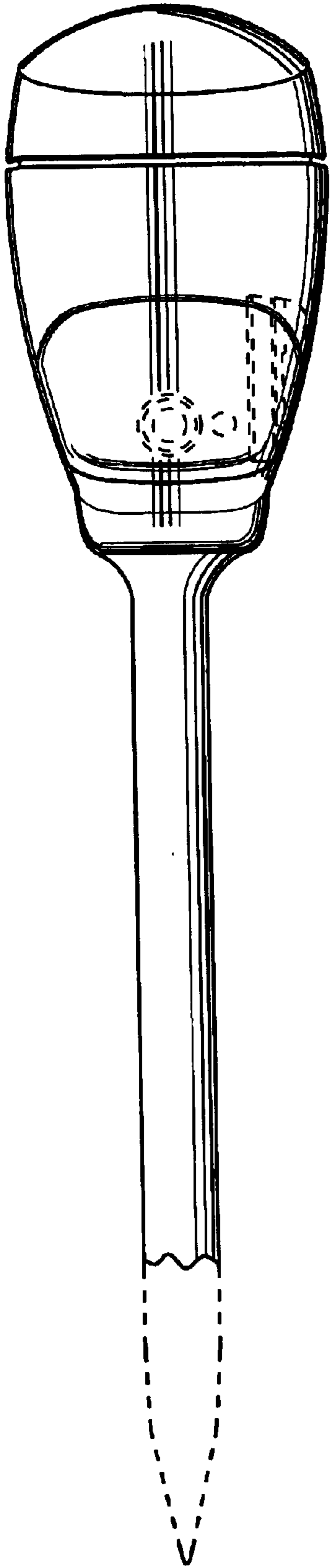


fig. 11

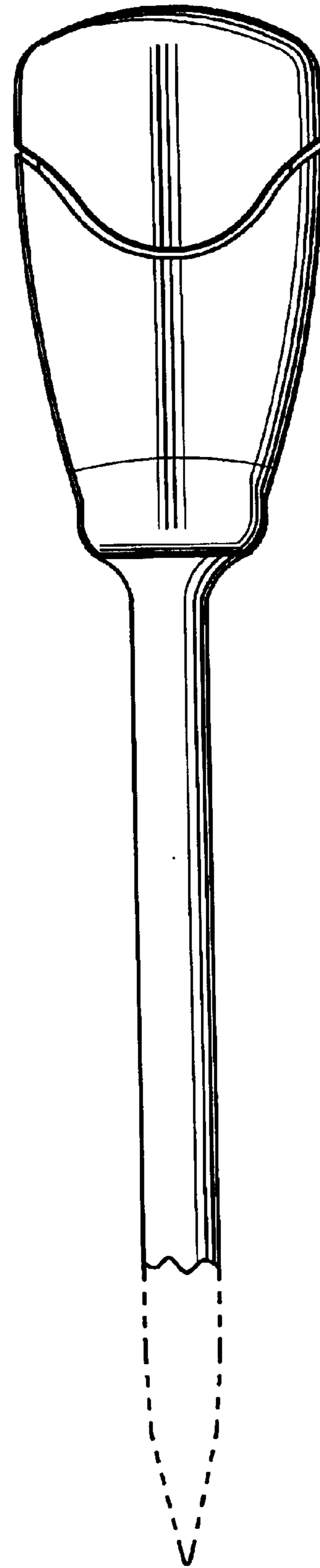


fig. 12