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(12) **United States Design Patent** (10) **Patent No.:** **US D958,362 S**
Arver et al. (45) **Date of Patent:** **** *Jul. 19, 2022**

- (54) **PERIODONTAL INSTRUMENT WITH A COLORED LOWER SHANK**
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- (73) Assignee: **Visual Dental Solutions LLC**, Eden Prairie, MN (US)
- (*) Notice: This patent is subject to a terminal disclaimer.
- (**) Term: **15 Years**
- (21) Appl. No.: **29/672,704**
- (22) Filed: **Dec. 7, 2018**
- (51) **LOC (13) Cl.** **24-02**
- (52) **U.S. Cl.**
USPC **D24/152**
- (58) **Field of Classification Search**
USPC D24/133, 135, 146, 147, 149, 152, 154, D24/176

(Continued)

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(57) **CLAIM**

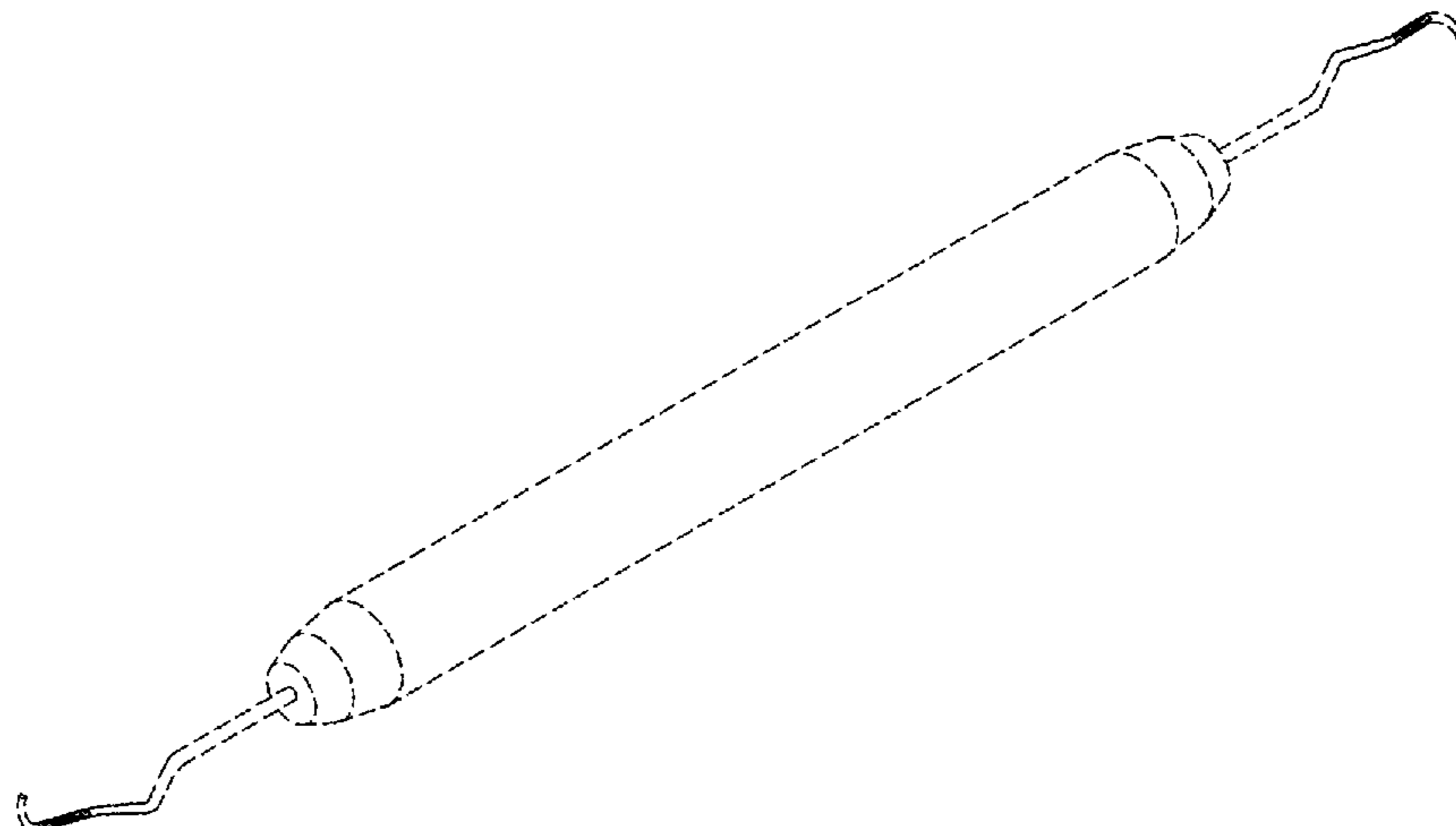
The ornamental design for a periodontal instrument with a colored lower shank, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a double-ended periodontal instrument having a colored lower shank at each end thereof. FIG. 2 is an enlarged left side view of one end of the double-ended periodontal instrument of FIG. 1. FIG. 3 is an enlarged top side view thereof. FIG. 4 is an enlarged right side view thereof. FIG. 5 is an enlarged bottom side view thereof. FIG. 6 is an enlarged plan view thereof. FIG. 7 is a perspective view of a single-ended periodontal instrument having a colored lower shank. FIG. 8 is a perspective view of another double-ended periodontal instrument having a colored lower shank at each end thereof. FIG. 9 is an enlarged left side view of one end of the double-ended periodontal instrument of FIG. 8. FIG. 10 is an enlarged top side view thereof. FIG. 11 is an enlarged right side view thereof. FIG. 12 is an enlarged bottom side view thereof. FIG. 13 is an enlarged plan view thereof; and, FIG. 14 is a perspective view of another single-ended periodontal instrument having a colored lower shank. Only one end of the double-ended periodontal instrument of FIG. 1 is shown in the enlarged drawings of FIGS. 2-6; the other end of the double-ended periodontal instrument of FIG. 1 being mirror images of those depicted in FIGS. 2-6. Likewise, only one end of the double-ended periodontal instrument of FIG. 8 is shown in the enlarged drawings of FIGS. 9-13; the other end of the double-ended periodontal instrument of FIG. 8 being mirror images of those depicted in FIGS. 9-13.

The single-ended periodontal instrument of FIG. 7 being the same as FIGS. 2-6 or mirror images thereof. The single-

(Continued)



ended periodontal instrument of FIG. 14 being the same as FIGS. 9-13 or mirror images thereof.

The portions of the periodontal instrument shown in broken lines form no part of the claimed design.

In the drawings, the portion of the periodontal instrument with a colored lower shank shown with solid black shading indicates a contrasting color to that of the remainder of the shank and to the working end.

The periodontal instrument with a colored lower shank of the present design may be an explorer, a scaler or a curet, as such terms are understood by dentists, dental practitioners and others of skill in the manufacture or use of periodontal instruments, since the configuration of the lower shank portions of such periodontal instruments are substantially the same. The periodontal instrument with a colored lower shank, may be a double ended instrument as shown in FIGS. 1 and 8 or the periodontal instrument may be a single ended instrument as shown in FIGS. 7 and 14.

In the drawings, the broken lines depicting portions of the periodontal instrument comprising the handle, the working end, and a portion of the shank of the periodontal instrument after the lower shank (also known as a "terminal shank") and before the second bend in the shank, form no part of the claimed design. For clarity, the lower shank (or terminal shank) of the periodontal instrument is that portion of the shank below the working end and which extends toward the handle to the first bend in the shank.

1 Claim, 4 Drawing Sheets

(58) Field of Classification Search

CPC .. A61C 3/00; A61C 3/10; A61C 15/00; A61C 17/00

See application file for complete search history.

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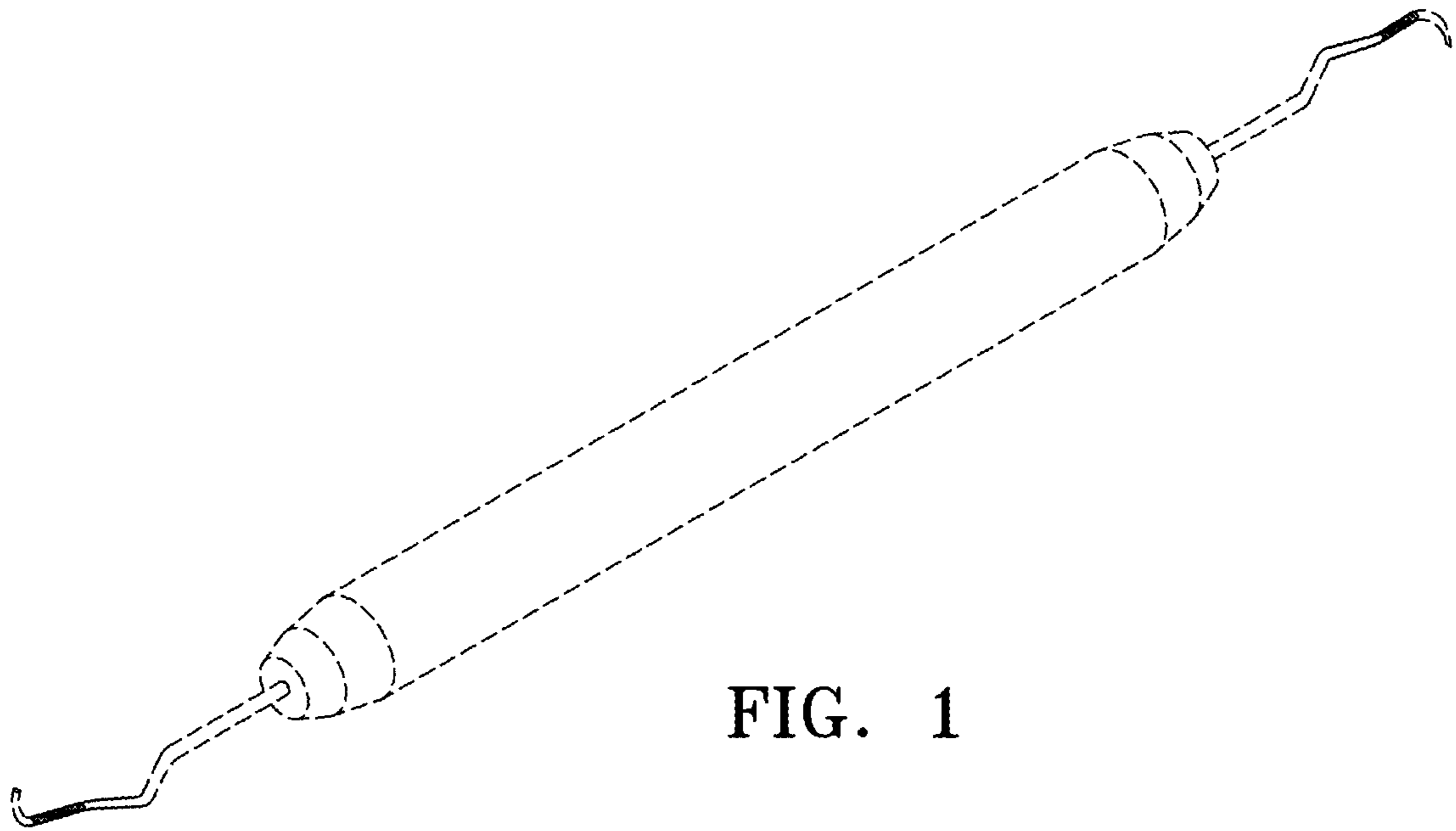


FIG. 1

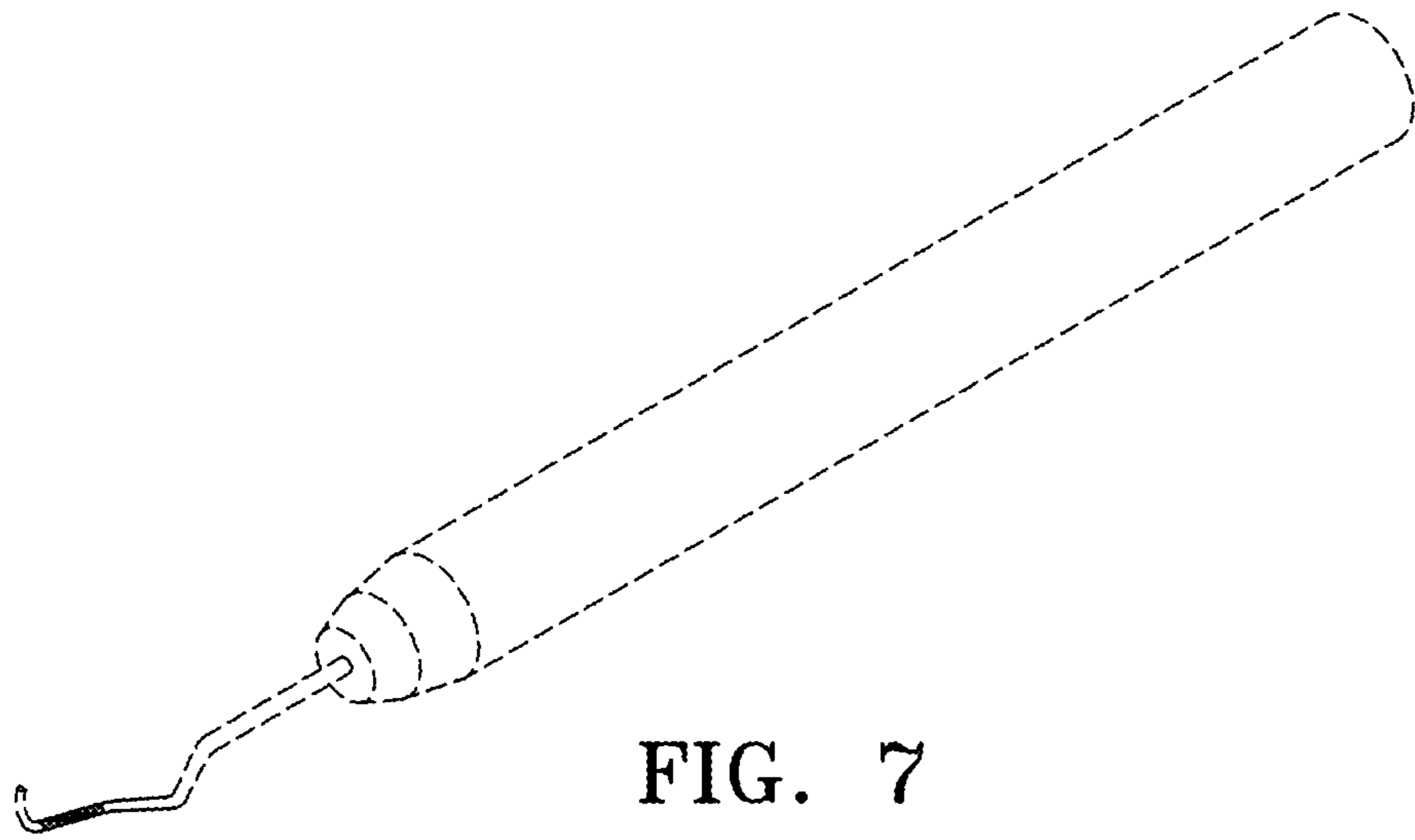


FIG. 7

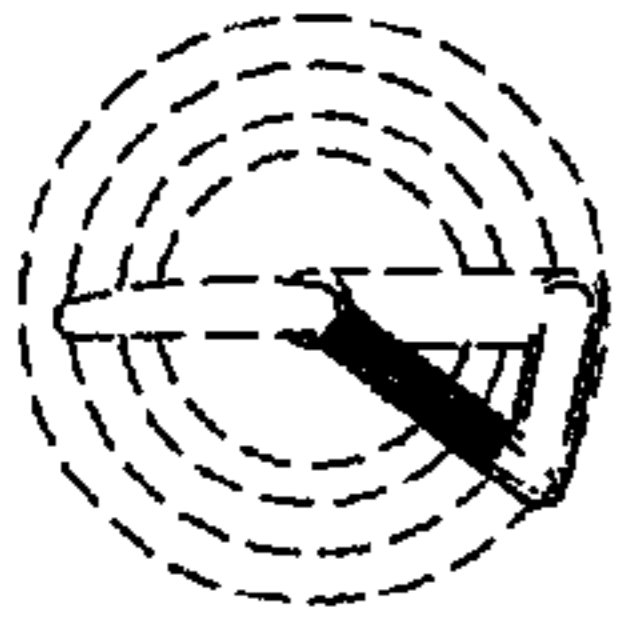


FIG. 6

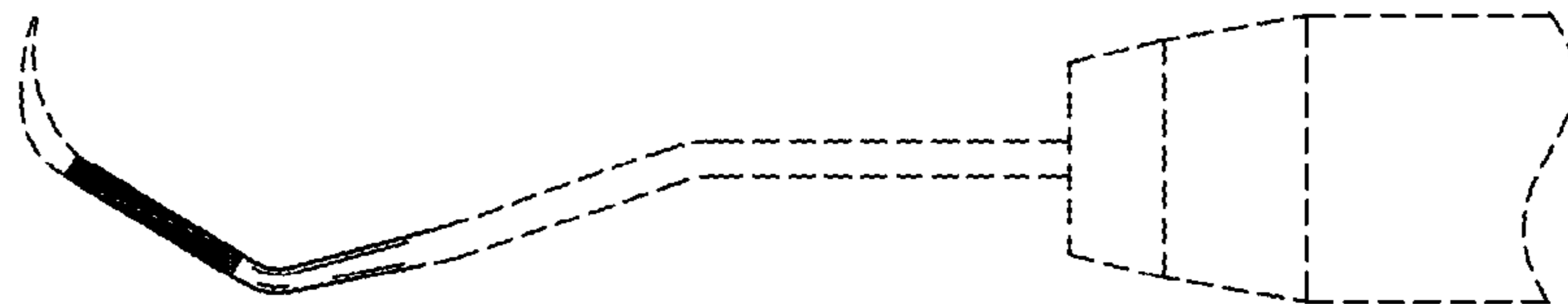


FIG. 2

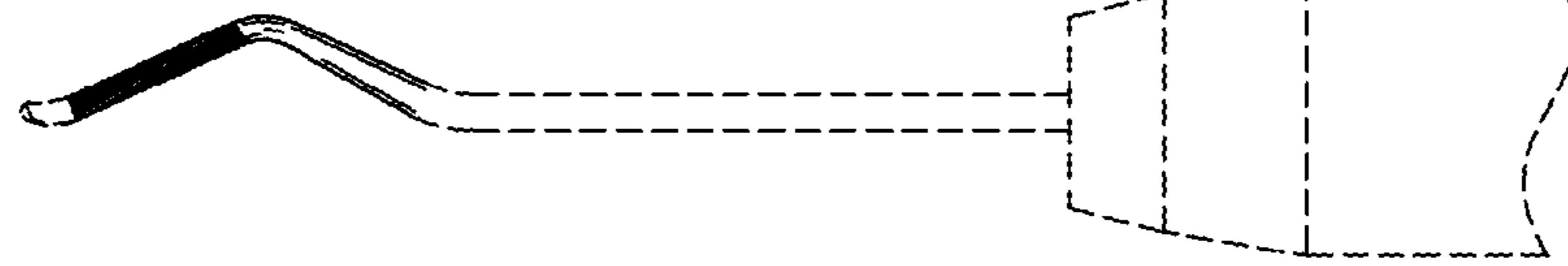


FIG. 3

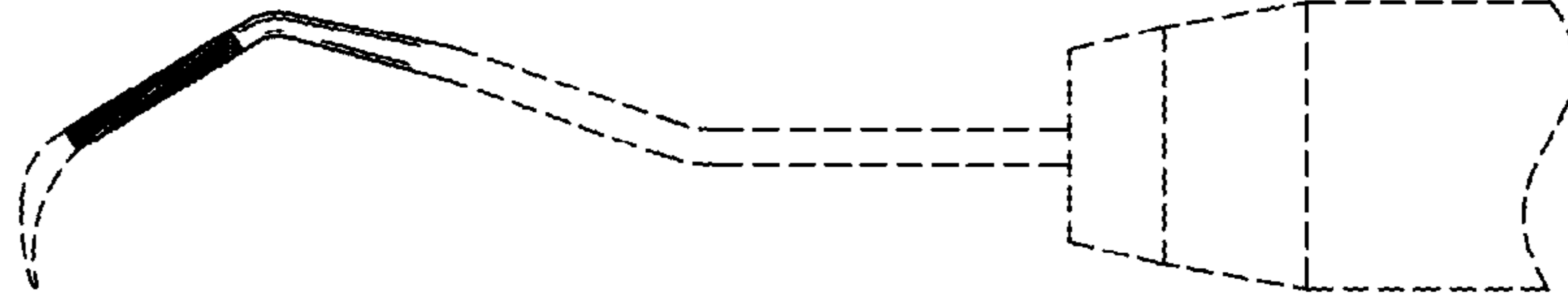


FIG. 4

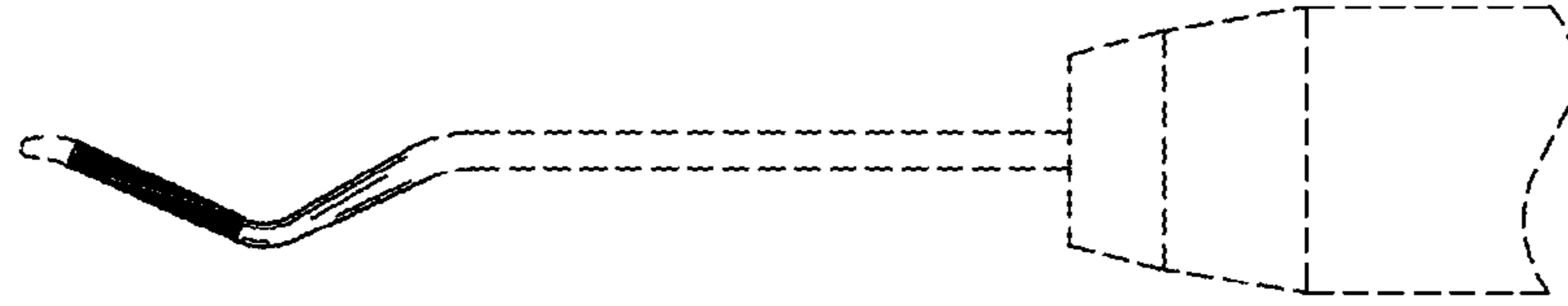


FIG. 5

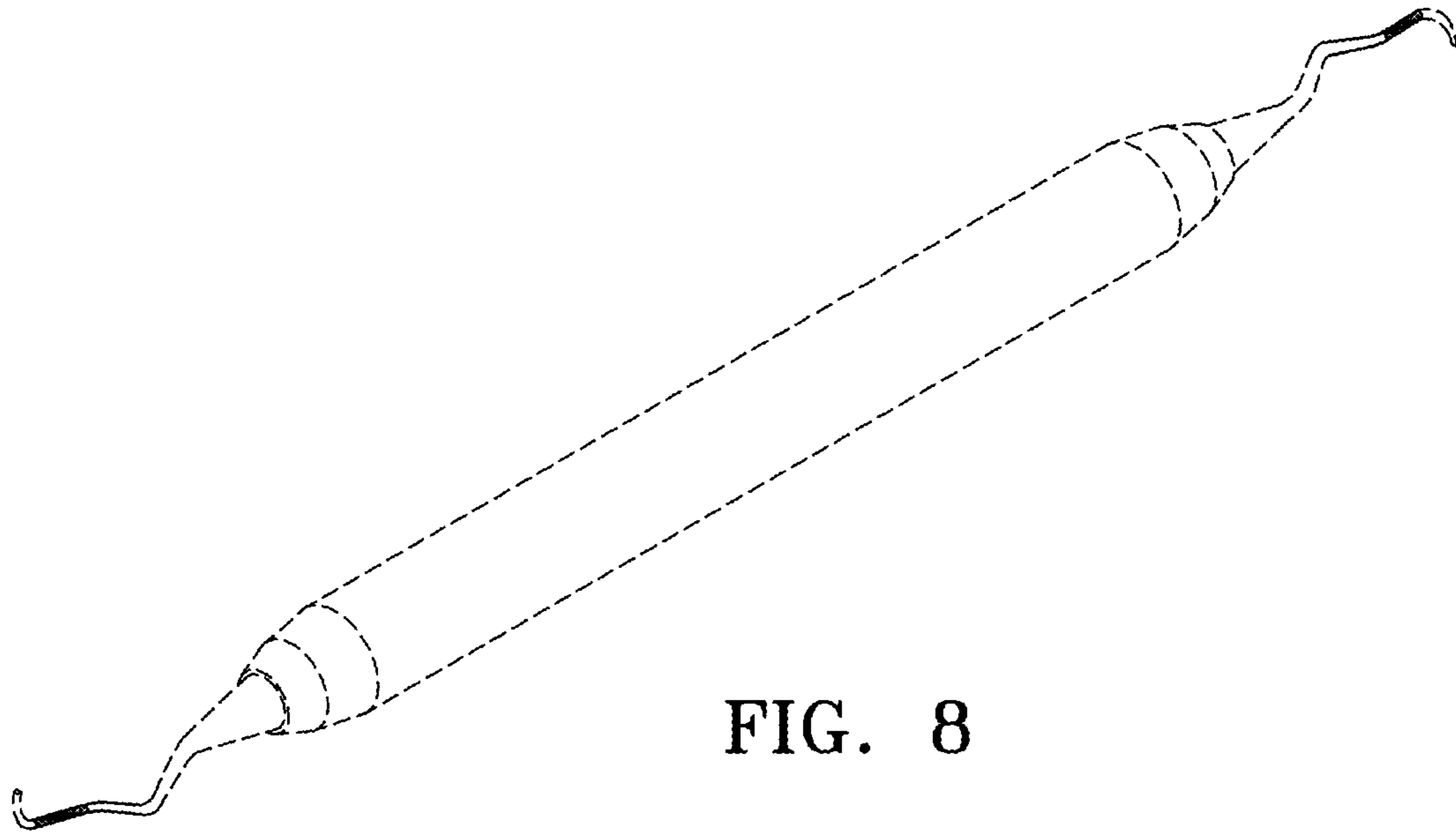


FIG. 8

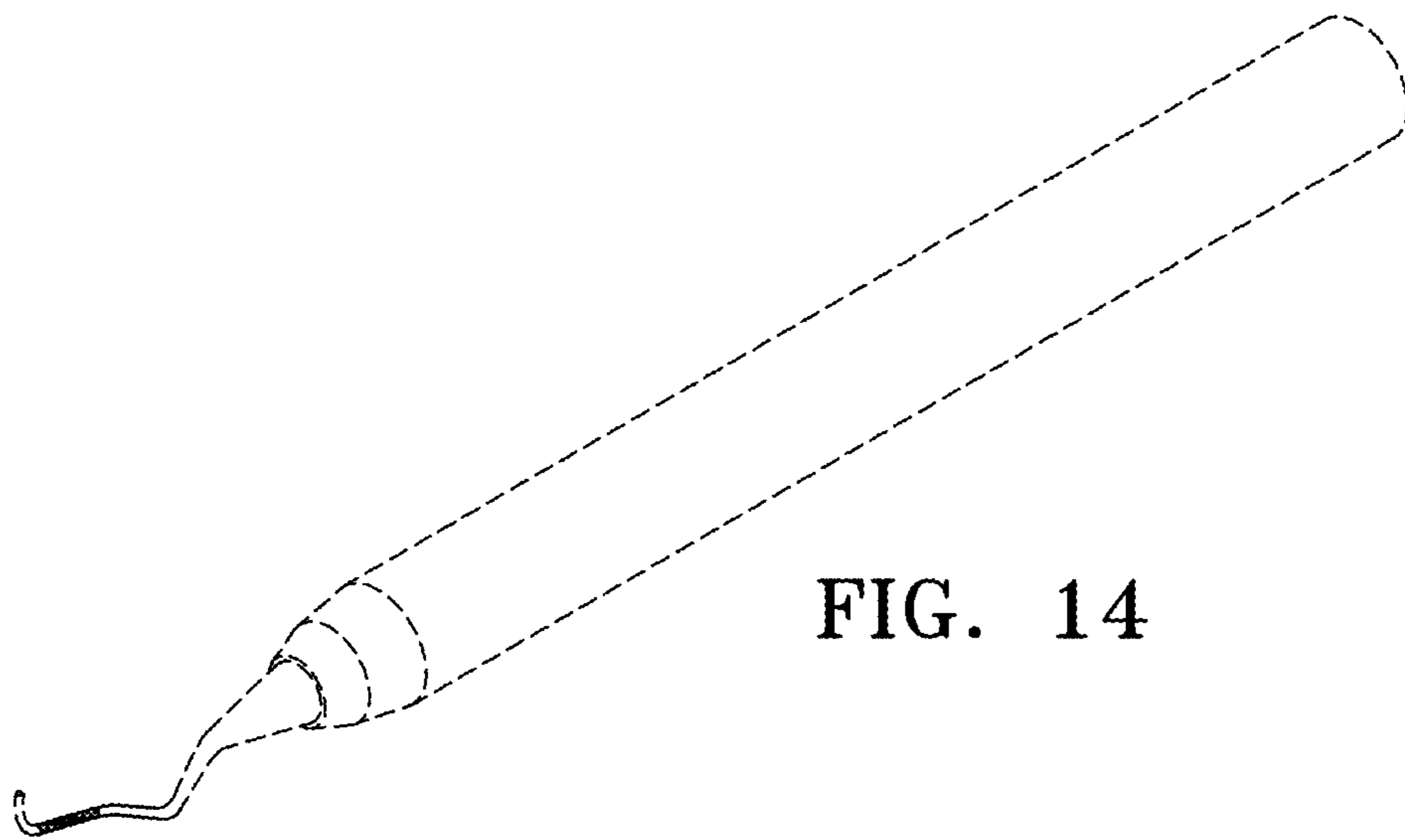


FIG. 14



FIG. 13

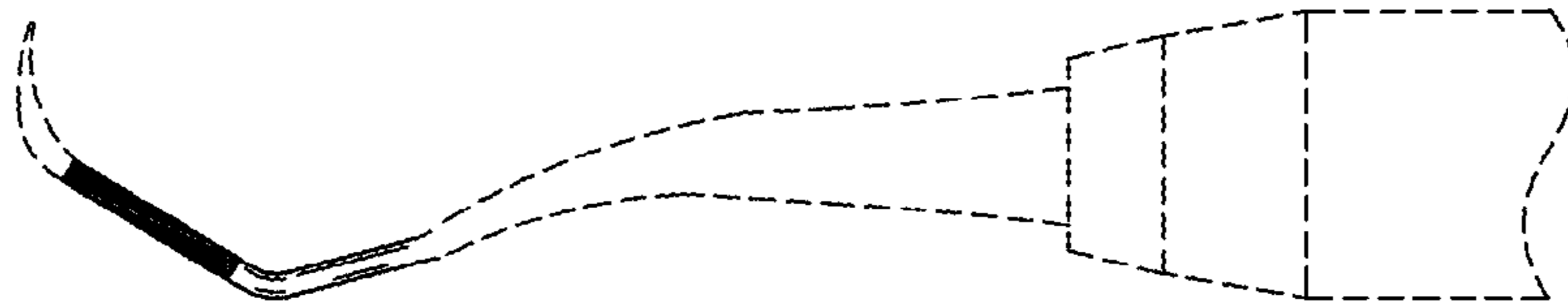


FIG. 9

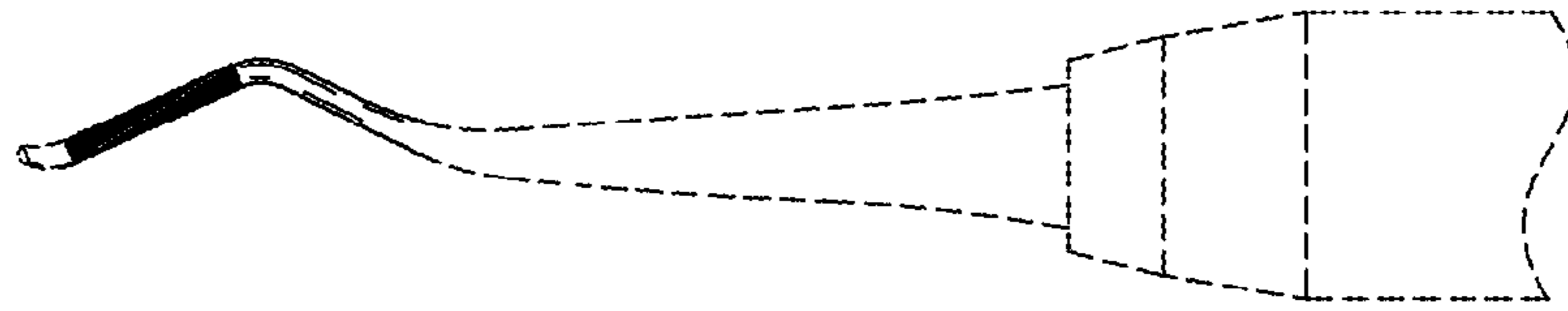


FIG. 10

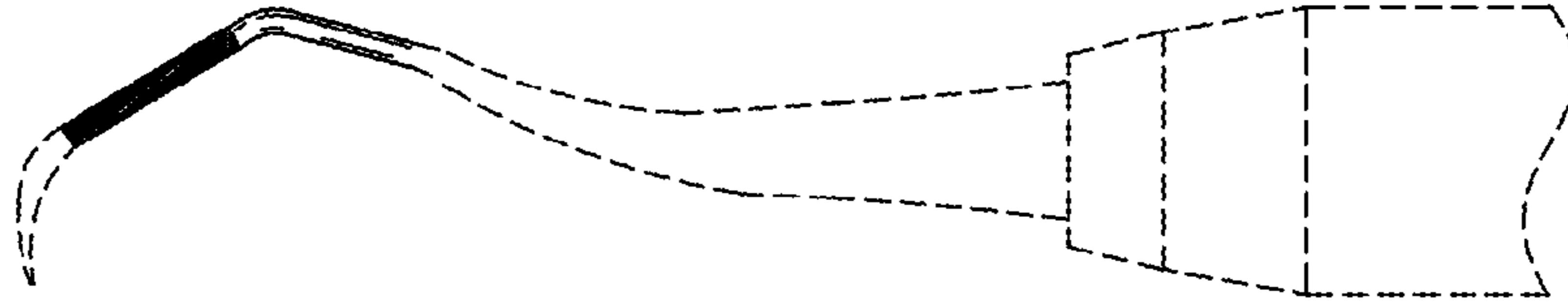


FIG. 11

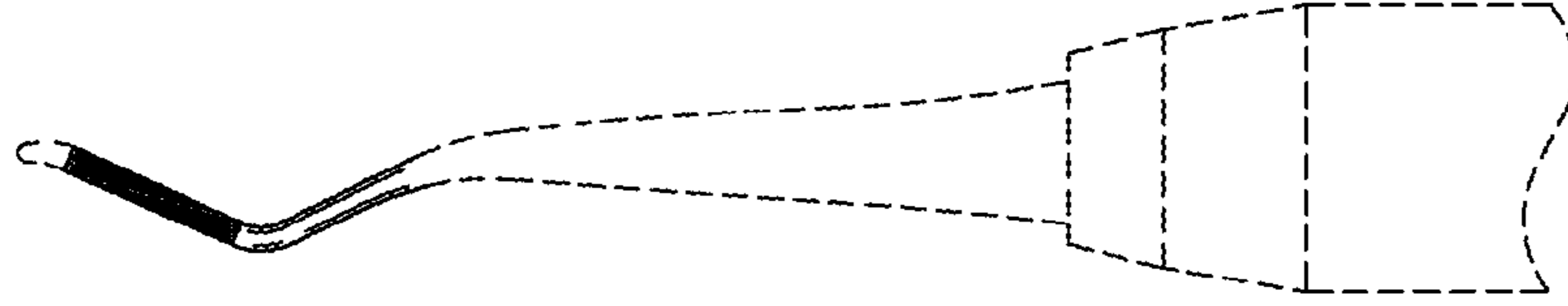


FIG. 12