



US00D699607S

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

(10) **Patent No.:** **US D699,607 S**
(45) **Date of Patent:** **** Feb. 18, 2014**

(54) **CONTACT PROBE**

FOREIGN PATENT DOCUMENTS

(75) Inventors: **Yuji Nakamura**, Tokyo (JP); **Katsumi Suzuki**, Tokyo (JP)

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JP 2010-038612 A 2/2010

(73) Assignee: **Yamaichi Electronics Co., Ltd.**, Tokyo (JP)

* cited by examiner

Primary Examiner — Antoine D Davis

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

(74) *Attorney, Agent, or Firm* — Studebaker & Brackett PC

(21) Appl. No.: **29/431,034**

(57) **CLAIM**

The ornamental design(s) for a contact probe, as shown and described.

(22) Filed: **Aug. 31, 2012**

DESCRIPTION

(30) **Foreign Application Priority Data**

Mar. 1, 2012 (JP) 2012-004631
Mar. 1, 2012 (JP) 2012-004632
Mar. 1, 2012 (JP) 2012-004633
Mar. 1, 2012 (JP) 2012-004634

FIG. 1 is a perspective view of the front, top and left side of a contact probe of a first embodiment showing our new design; FIG. 2 is a perspective view of the rear, top and right side thereof;

(51) **LOC (10) Cl.** **10-04**

FIG. 3 is a front view thereof;

(52) **U.S. Cl.**
USPC **D10/80**

FIG. 4 is a rear view thereof;

(58) **Field of Classification Search**
USPC D10/80; 324/72, 72.5, 761, 758, 756,
324/755, 158 P, 755.02, 755.05, 754.14;
200/46; 439/700, 482, 824

FIG. 5 is a left side view thereof;

FIG. 6 is a right side view thereof;

FIG. 7 is a top view thereof;

FIG. 8 is a bottom view thereof;

FIG. 9 is an enlarged view of tip side from 9-9 section in FIG. 1 thereof;

FIG. 10 is an enlarged view of tip side from 10-10 section in FIG. 2 thereof;

FIG. 11 is an enlarged view of tip side from 11-11 section in FIG. 3 thereof; and

FIG. 12 is an enlarged view of tip side from 12-12 section in FIG. 6 thereof;

FIG. 13 is a perspective view of the front, top and left side of a contact probe of a second embodiment showing our new design;

FIG. 14 is a perspective view of the rear, top and right side thereof;

FIG. 15 is a front view thereof;

FIG. 16 is a rear view thereof;

FIG. 17 is a left side view thereof;

FIG. 18 is a right side view thereof;

FIG. 19 is a top view thereof;

See application file for complete search history.

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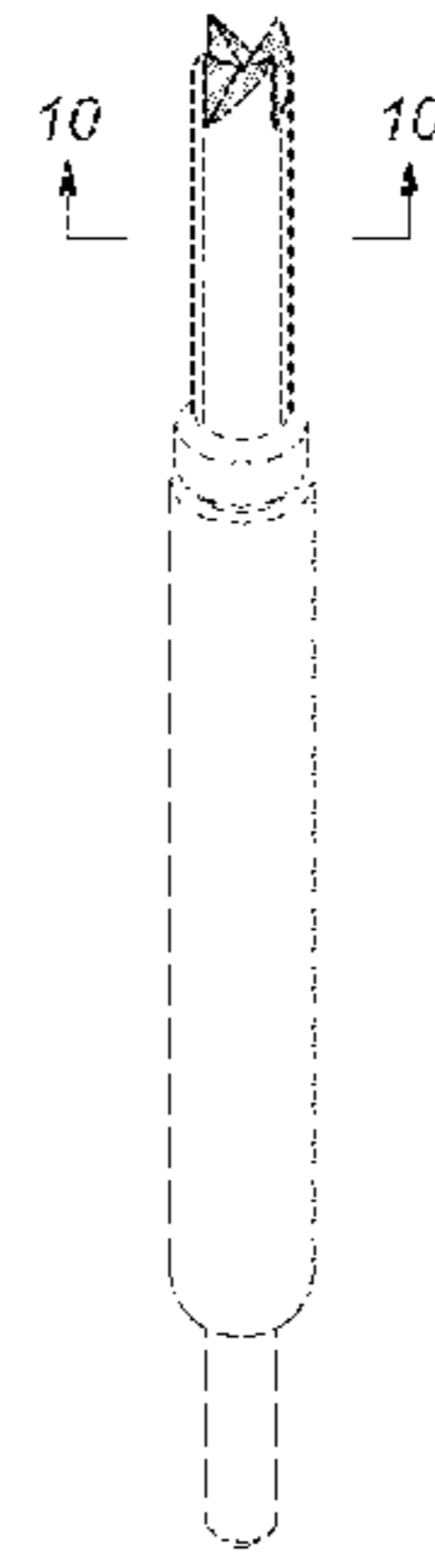
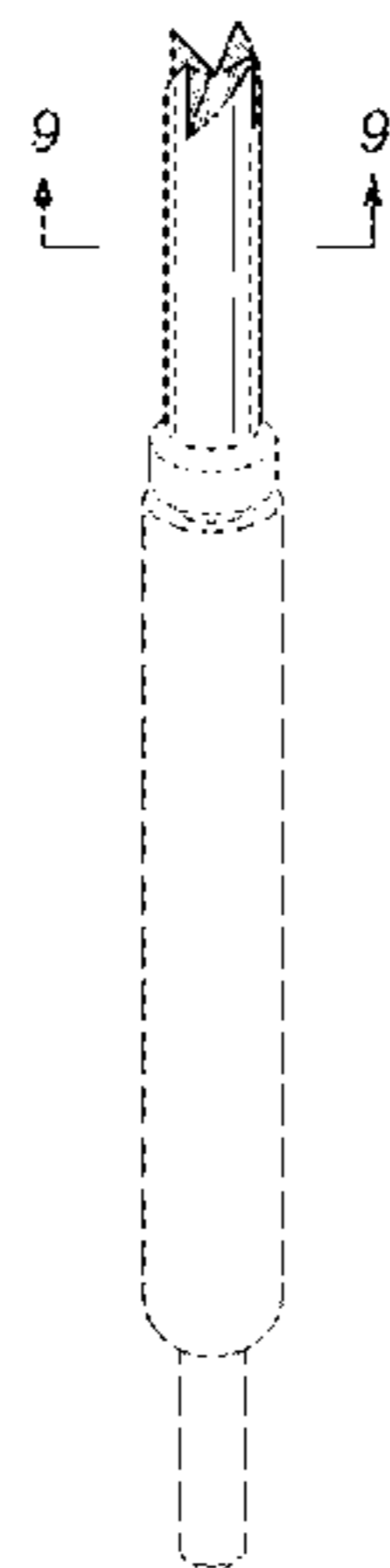


FIG. 20 is a bottom view thereof;
FIG. 21 is an enlarged view of tip side from 21-21 section in FIG. 13 thereof;
FIG. 22 is an enlarged view of tip side from 22-22 section in FIG. 14 thereof;
FIG. 23 is an enlarged view of tip side from 23-23 section in FIG. 15 thereof; and
FIG. 24 is an enlarged view of tip side from 24-24 section in FIG. 18 thereof;
FIG. 25 is a perspective view of the front, top and left side of a contact probe of a third embodiment showing our new design;
FIG. 26 is a perspective view of the rear, top and right side thereof;
FIG. 27 is a front view thereof;
FIG. 28 is a rear view thereof;
FIG. 29 is a left side view thereof;
FIG. 30 is a right side view thereof;
FIG. 31 is a top view thereof;
FIG. 32 is a bottom view thereof;
FIG. 33 is an enlarged view of tip side from 33-33 section in FIG. 25 thereof;
FIG. 34 is an enlarged view of tip side from 34-34 section in FIG. 26 thereof;
FIG. 35 is an enlarged view of tip side from 35-35 section in FIG. 27 thereof; and

FIG. 36 is an enlarged view of tip side from 36-36 section in FIG. 30 thereof;
FIG. 37 is a perspective view of the front, top and left side of a contact probe of a fourth embodiment showing our new design;
FIG. 38 is a perspective view of the rear, top and right side thereof;
FIG. 39 is a front view thereof;
FIG. 40 is a rear view thereof;
FIG. 41 is a left side view thereof;
FIG. 42 is a right side view thereof;
FIG. 43 is a top view thereof;
FIG. 44 is a bottom view thereof;
FIG. 45 is an enlarged view of tip side from 45-45 section in FIG. 37 thereof;
FIG. 46 is an enlarged view of tip side from 46-46 section in FIG. 38 thereof;
FIG. 47 is an enlarged view of tip side from 47-47 section in FIG. 39 thereof; and,
FIG. 48 is an enlarged view of tip side from 48-48 section in FIG. 42 thereof.
The portions of the article in broken lines are shown for illustrative purposes only and form no part of the claimed design.

1 Claim, 24 Drawing Sheets

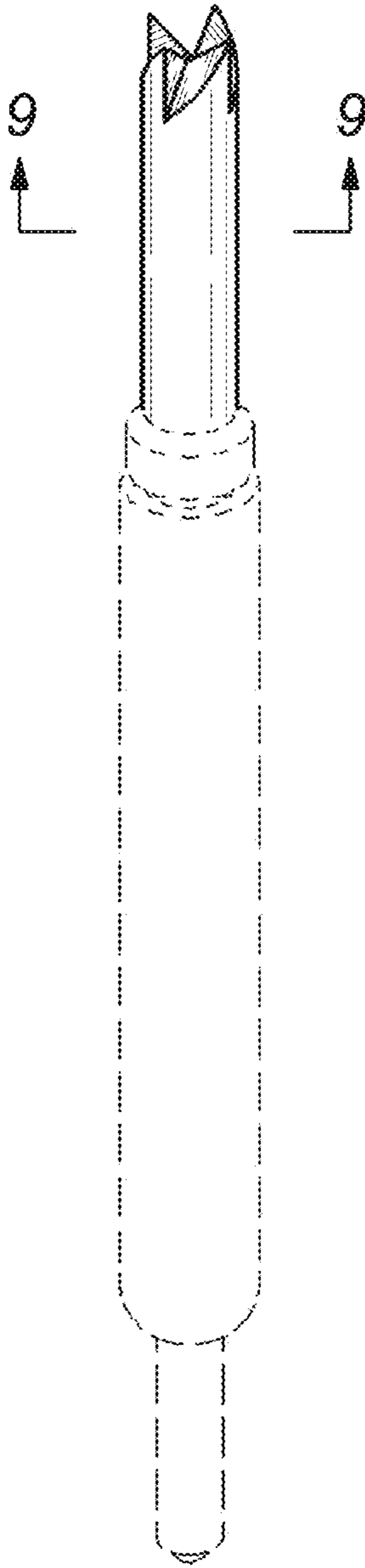


FIG. 1

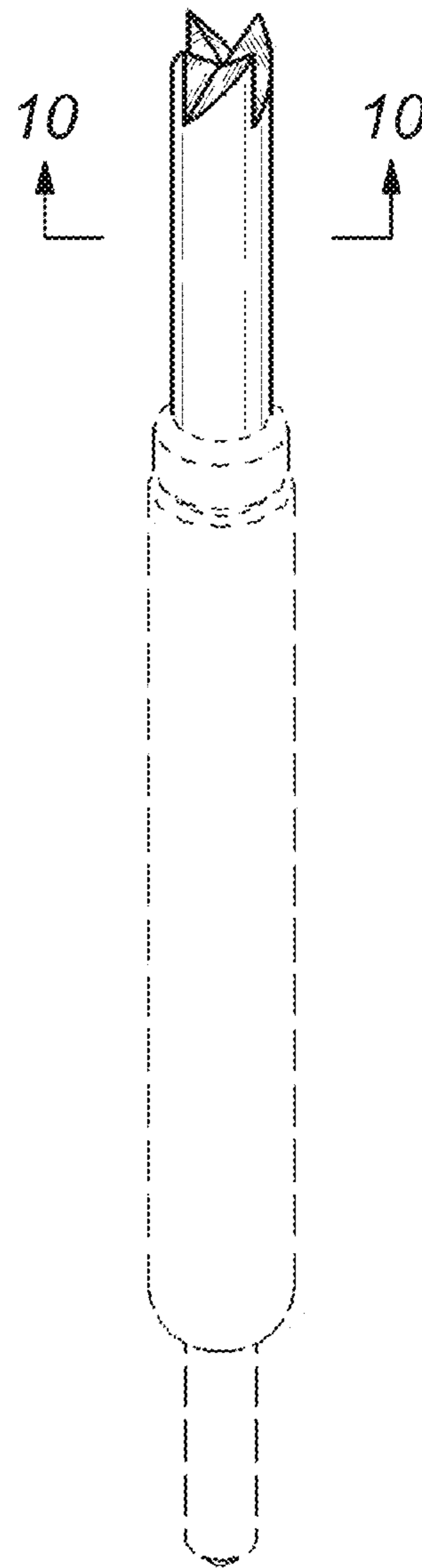


FIG. 2

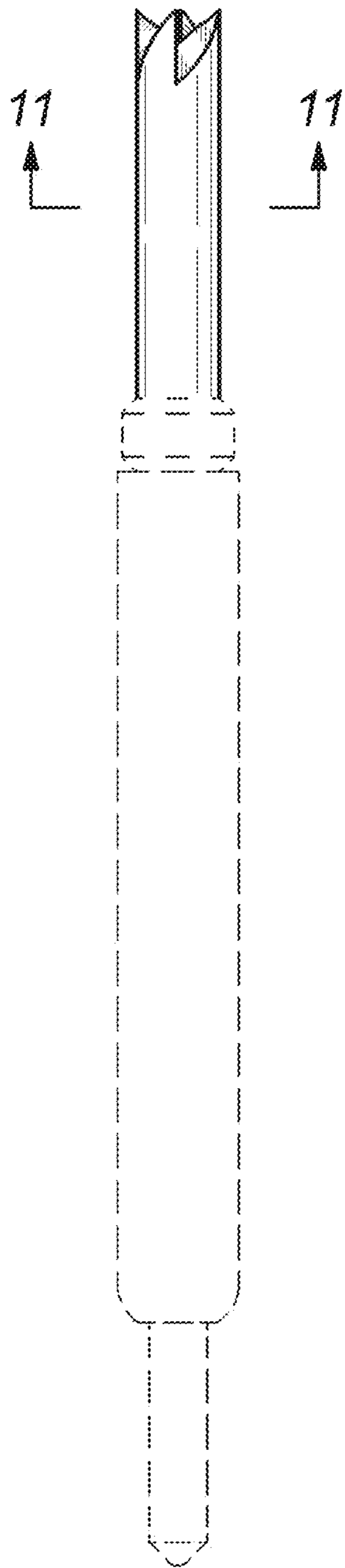


FIG. 3

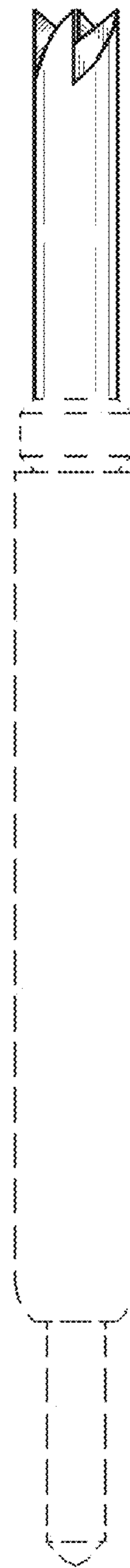


FIG. 4

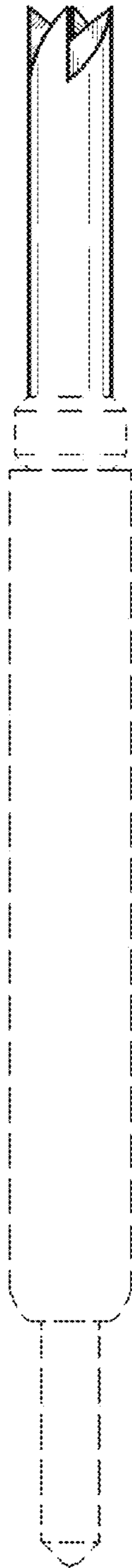


FIG. 5

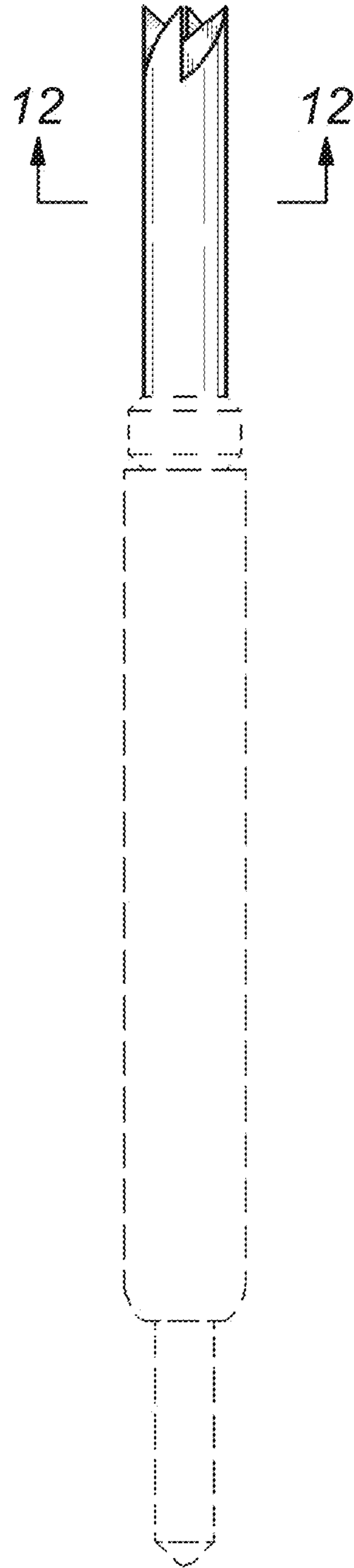


FIG. 6



FIG. 7

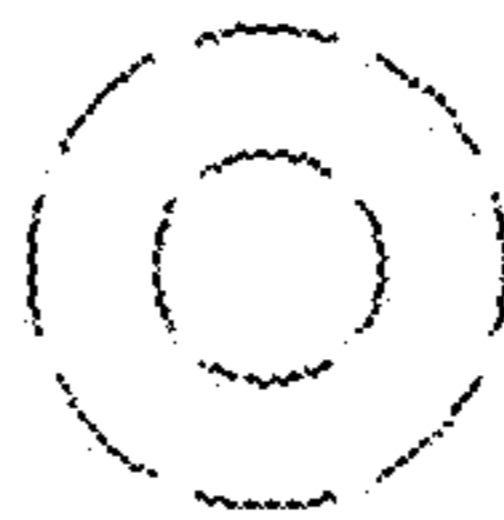


FIG. 8

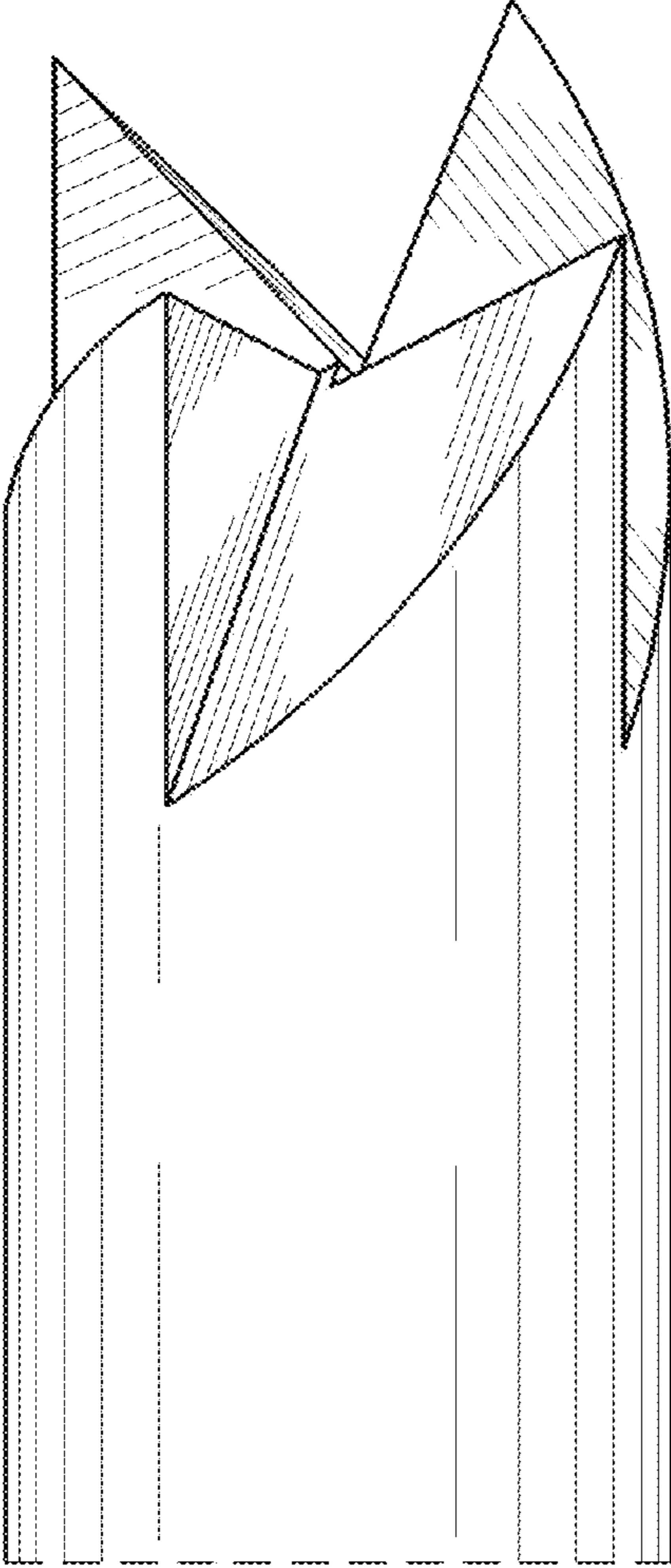


FIG. 9

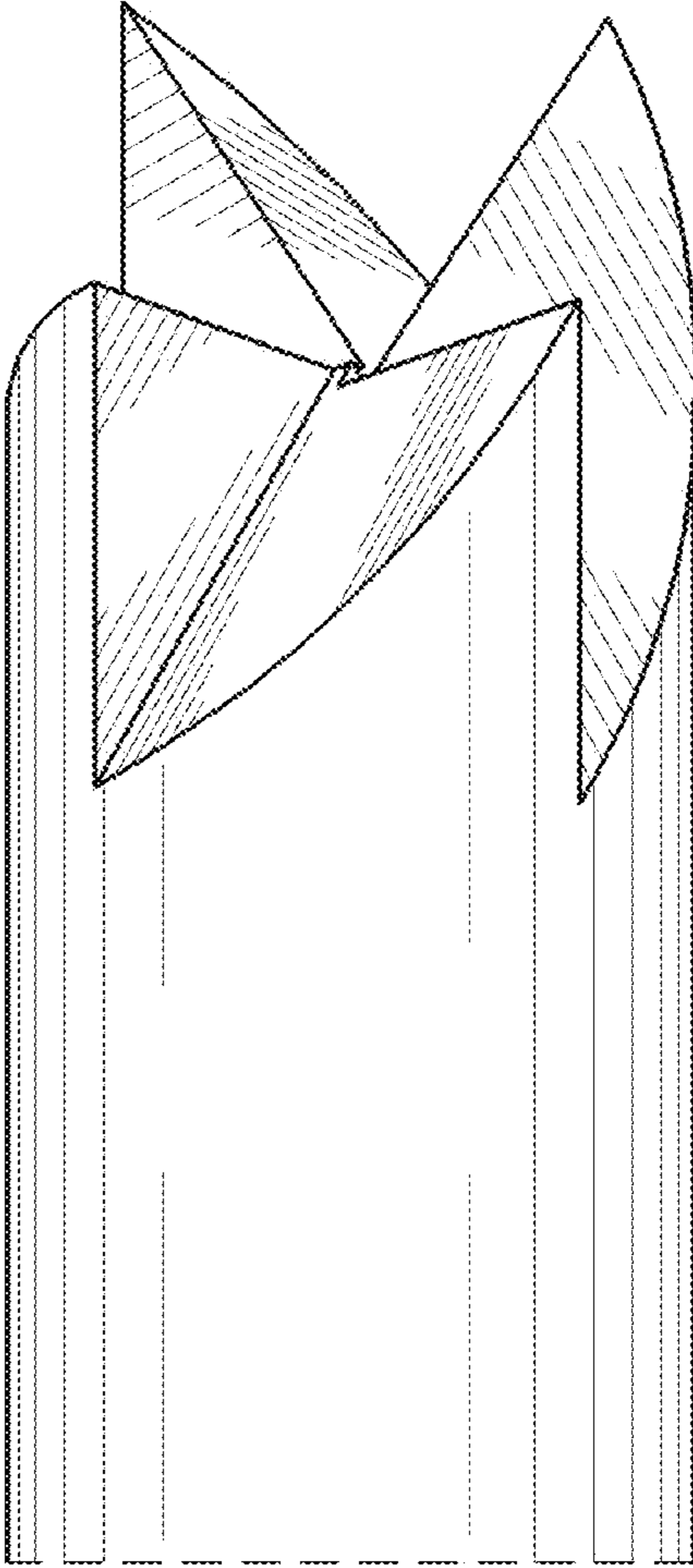


FIG. 10

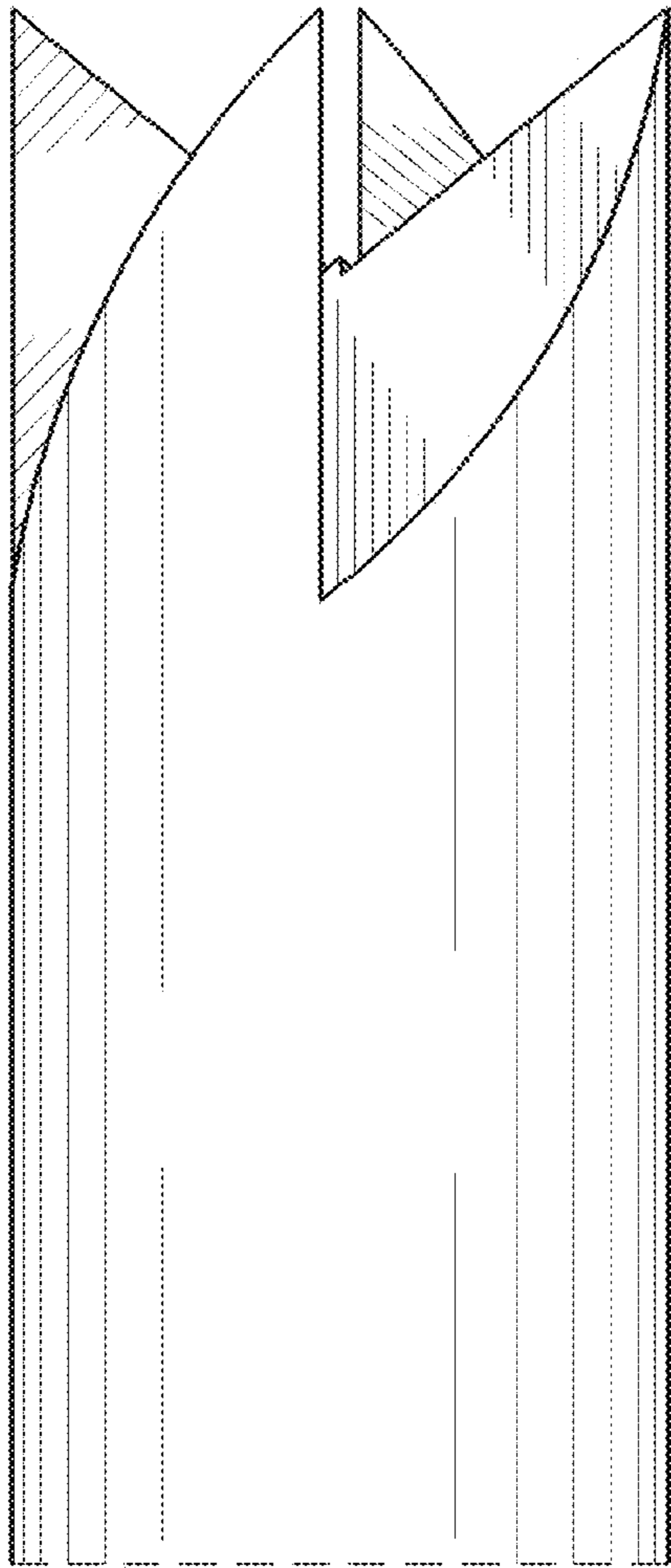


FIG. 11

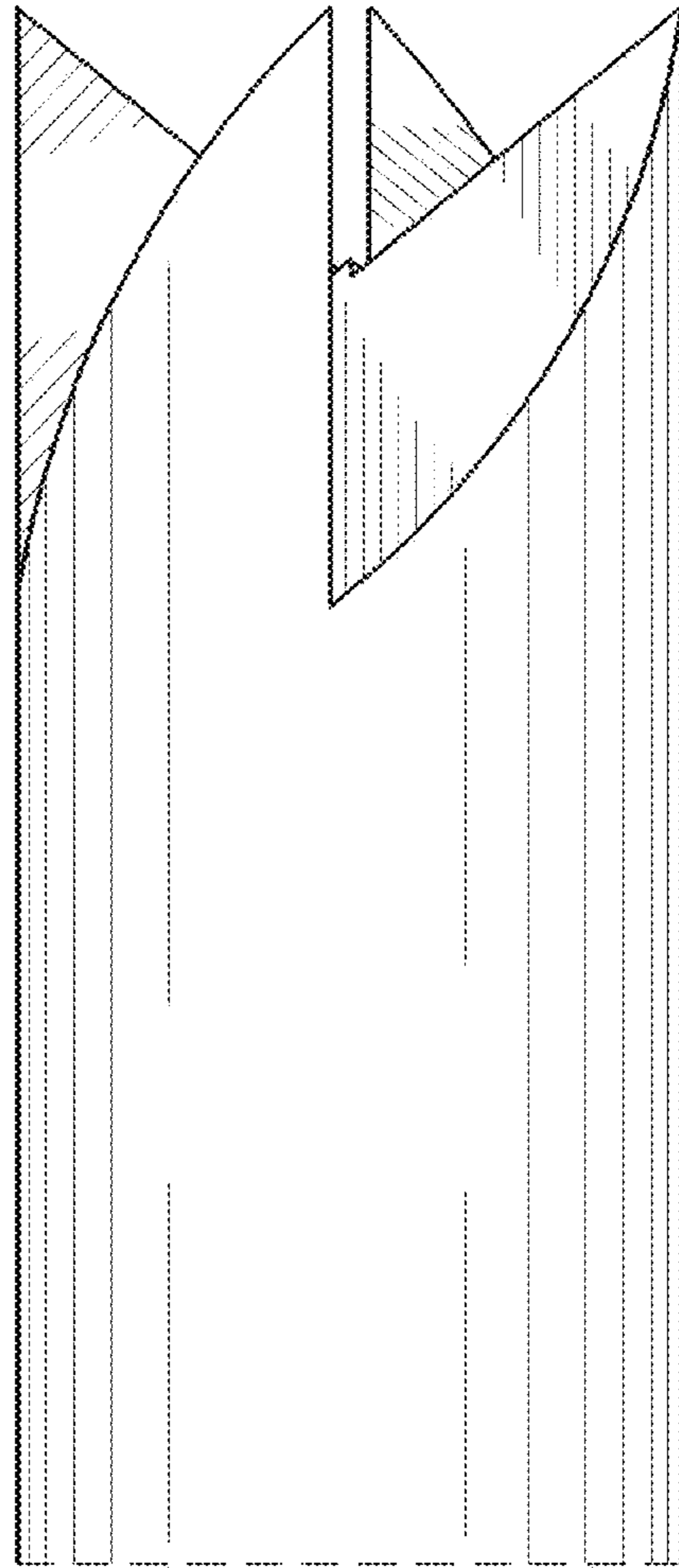


FIG. 12

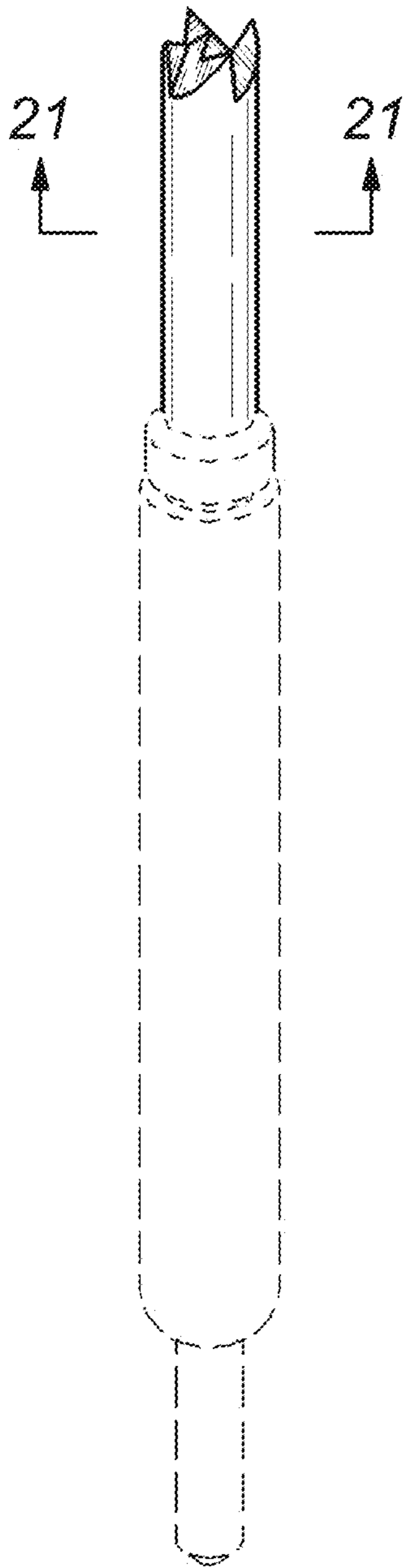


FIG. 13

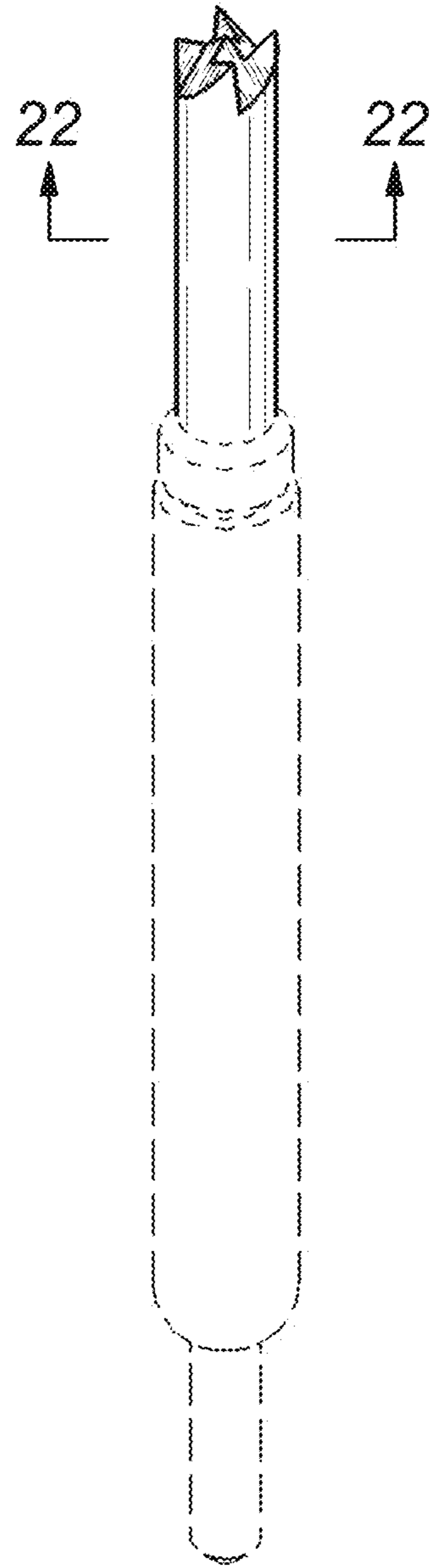


FIG. 14

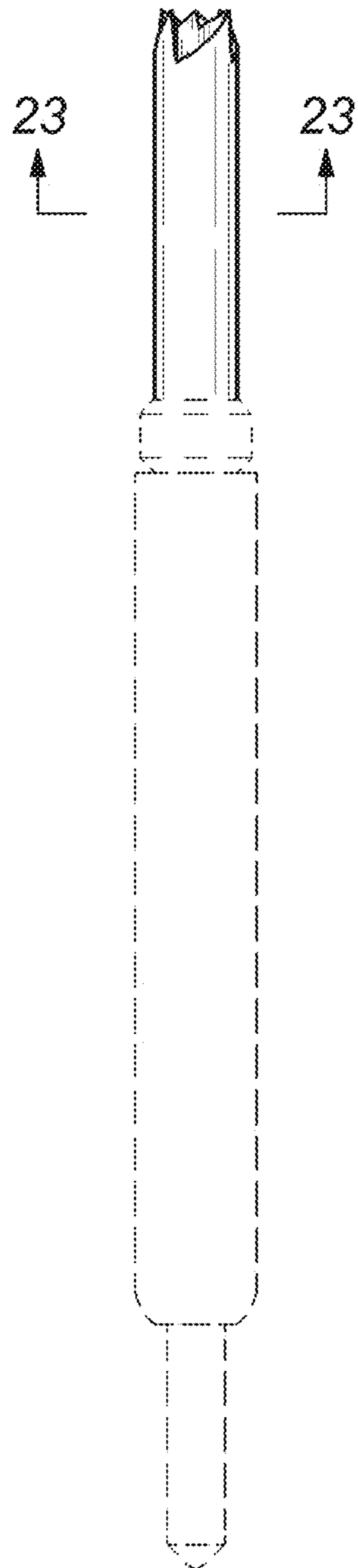


FIG. 15

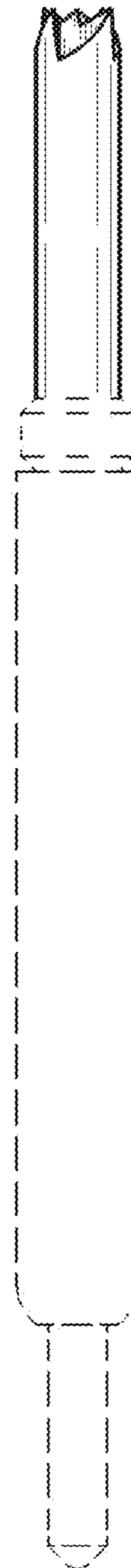


FIG. 16

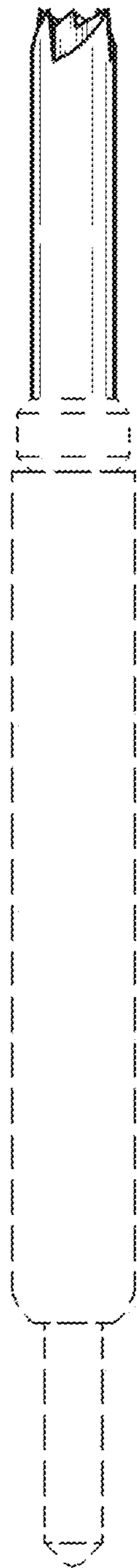


FIG. 17

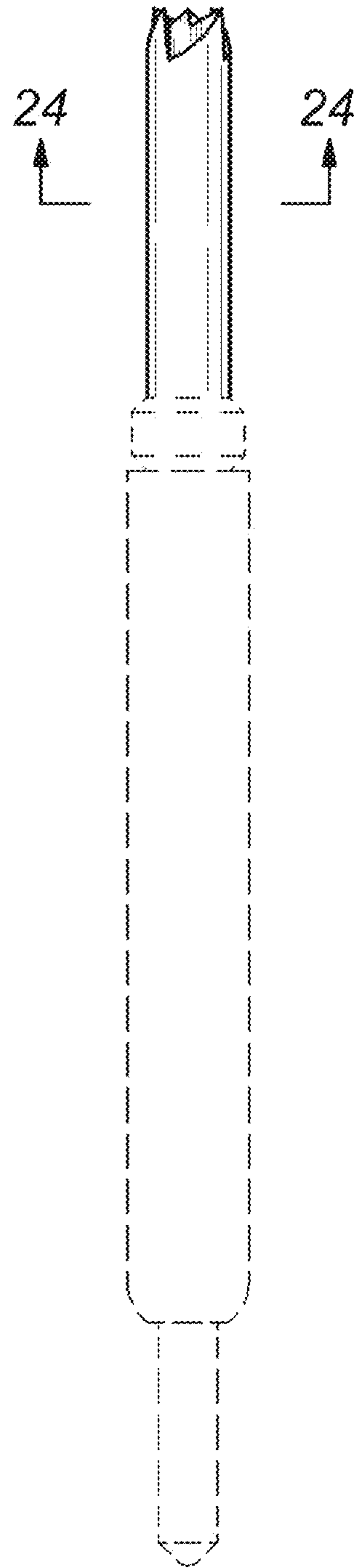


FIG. 18



FIG. 19

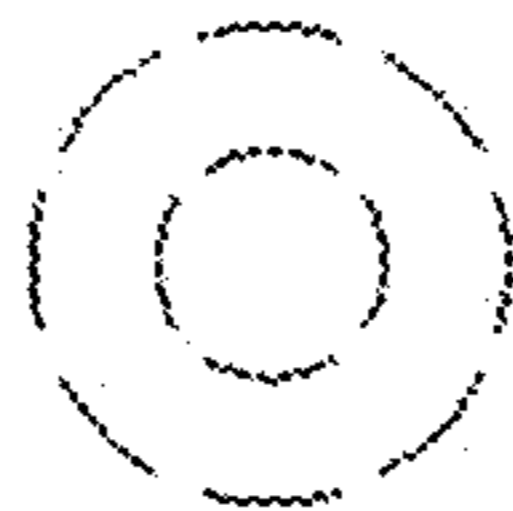


FIG. 20

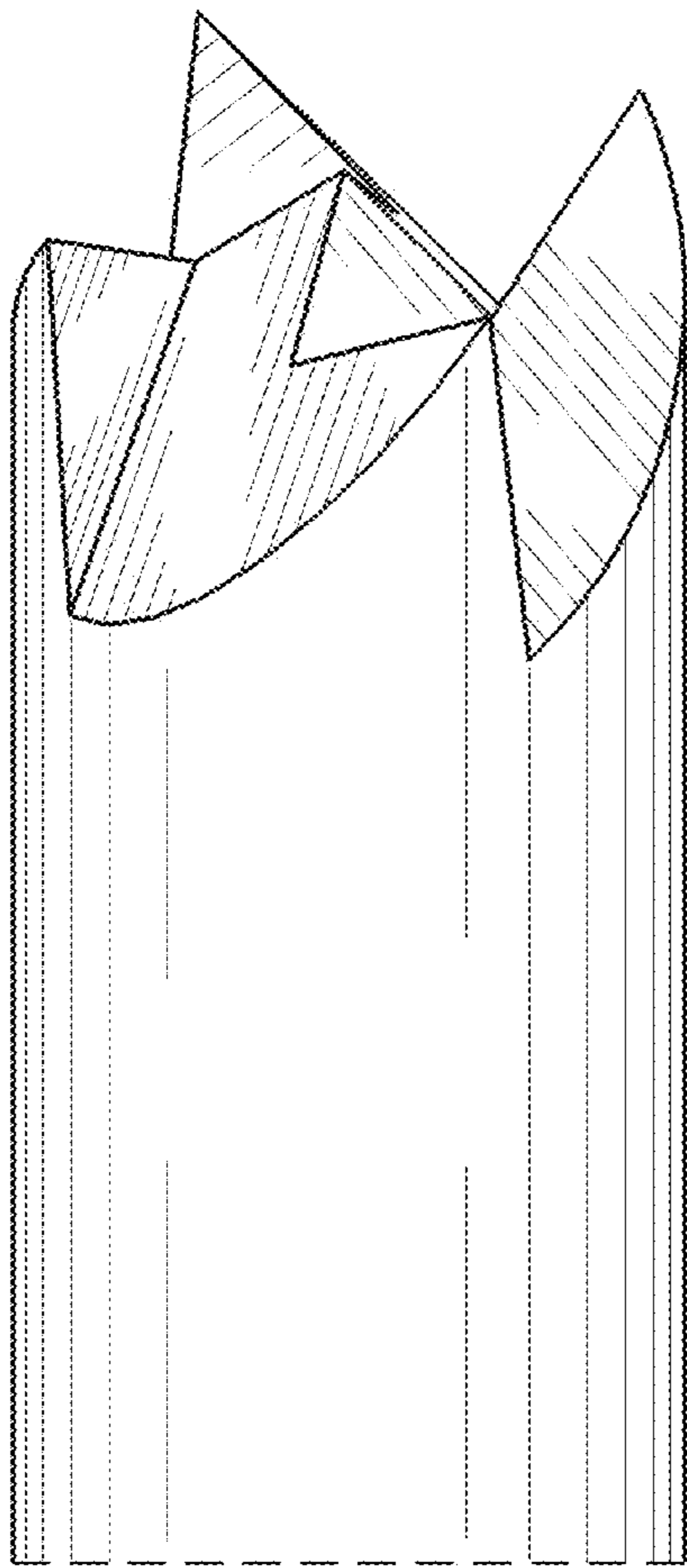


FIG. 21

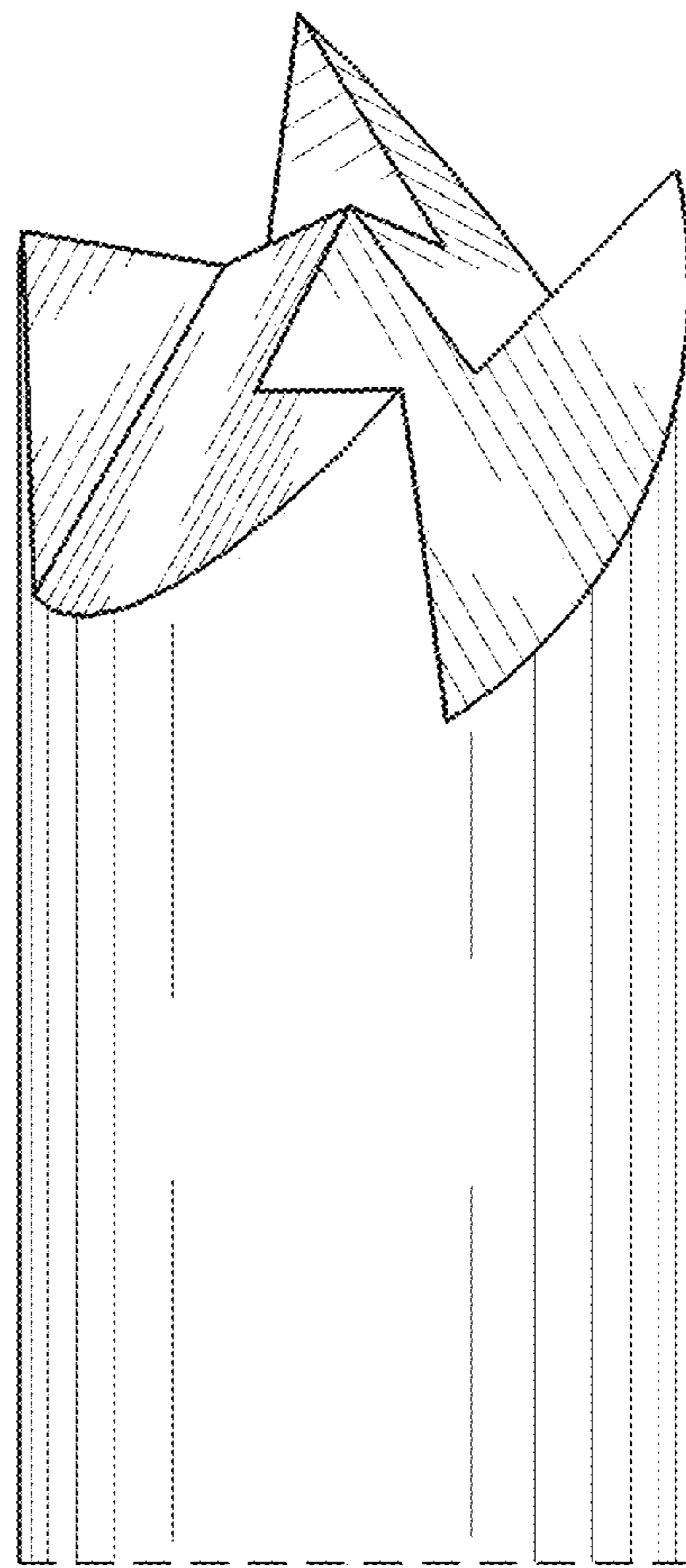


FIG. 22

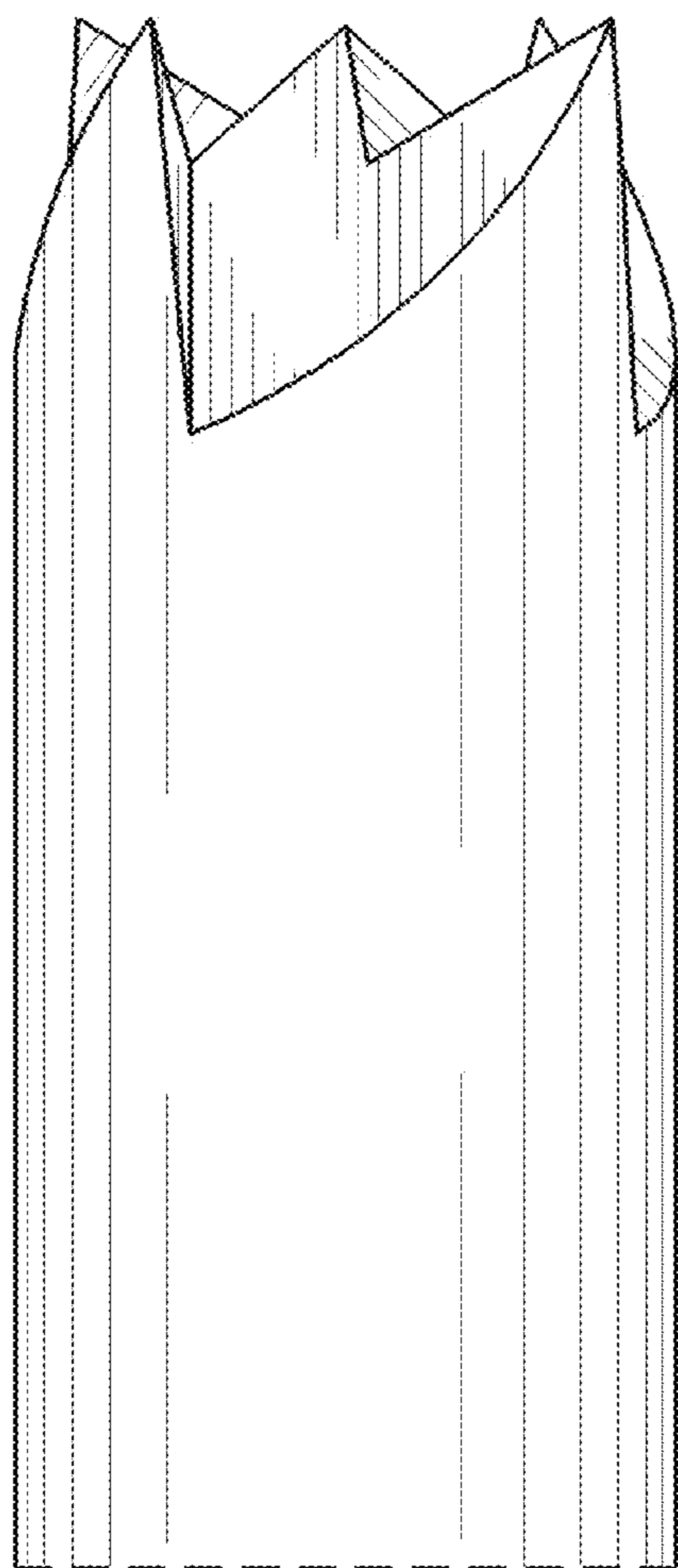


FIG. 23

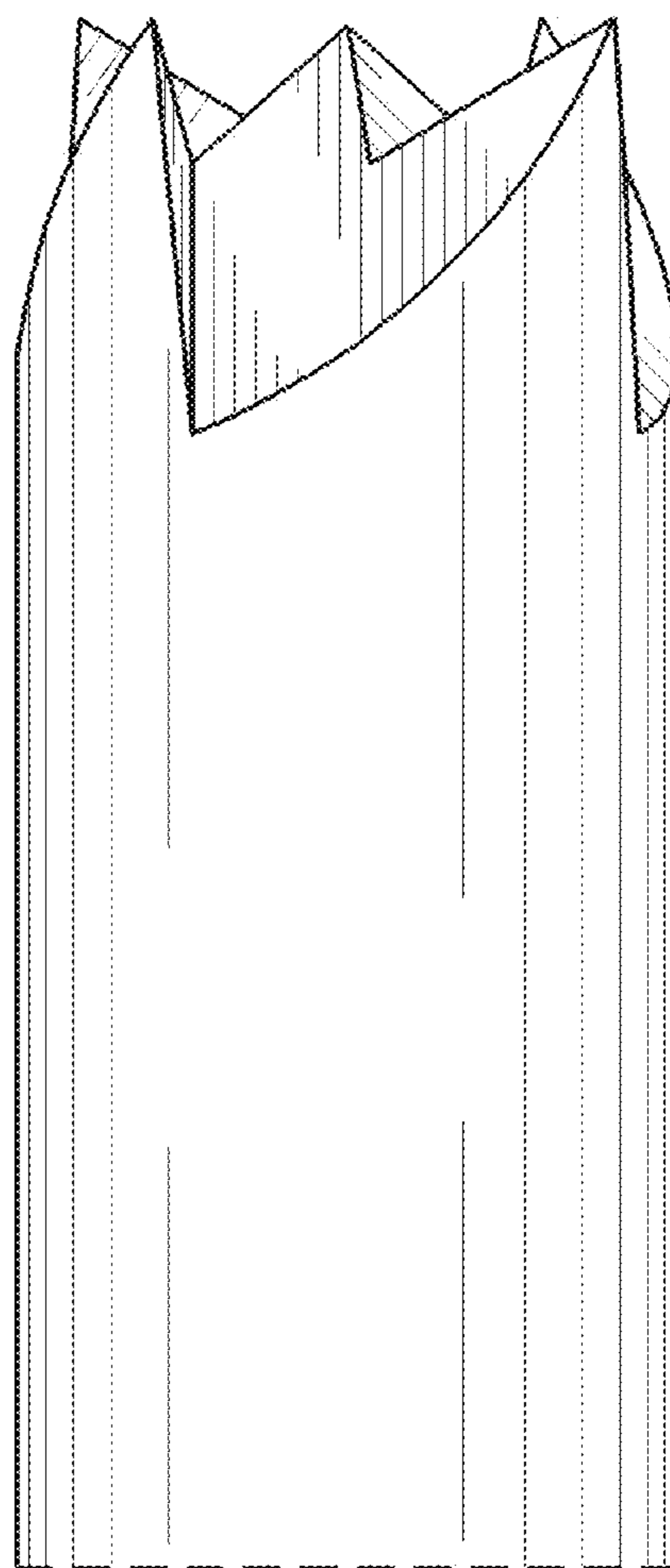


FIG. 24

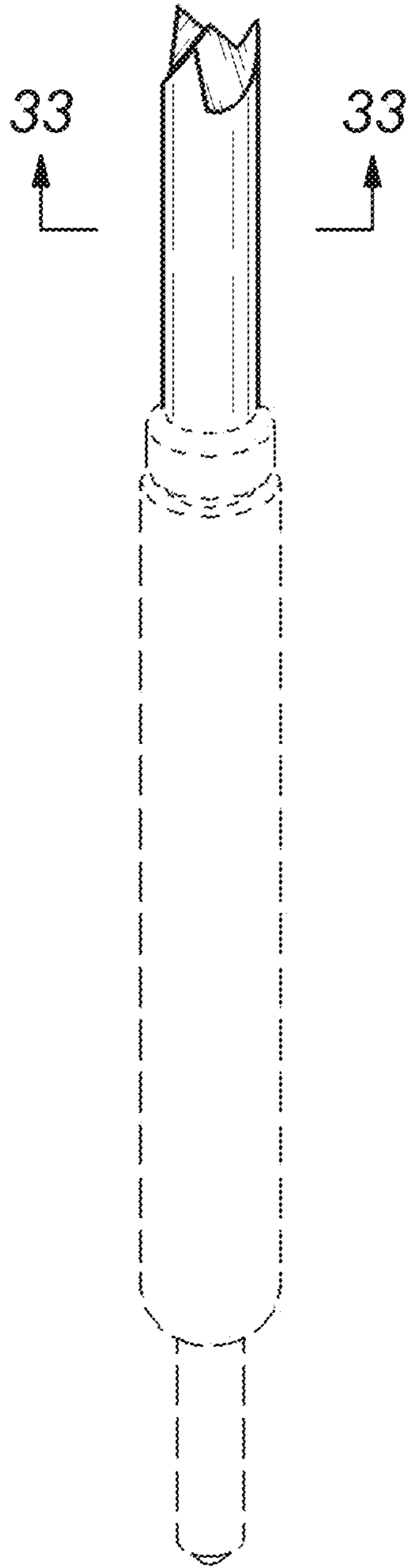


FIG. 25

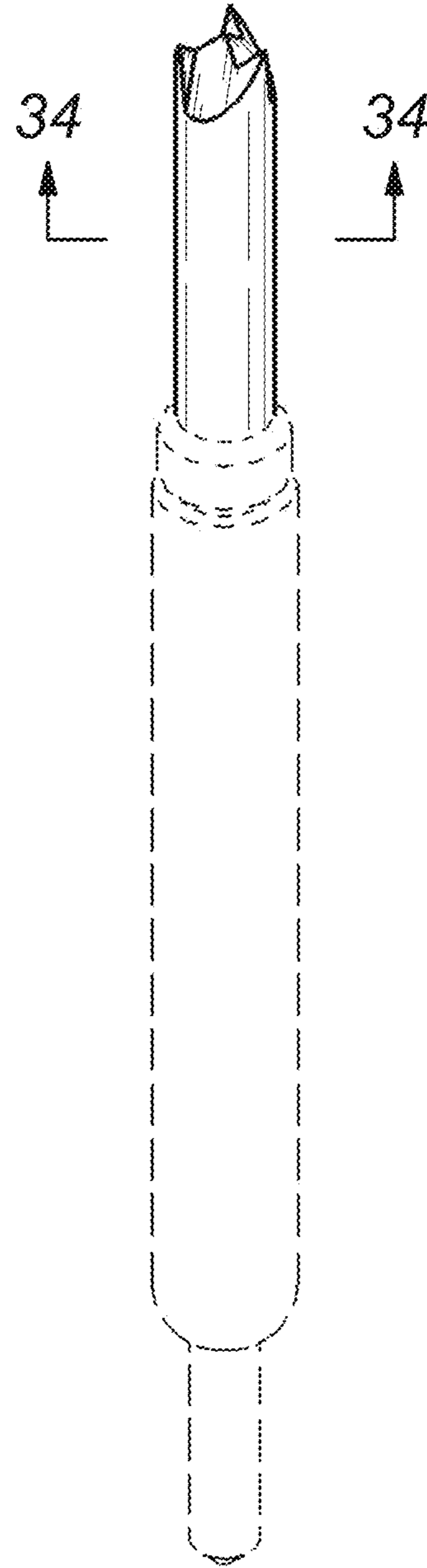


FIG. 26

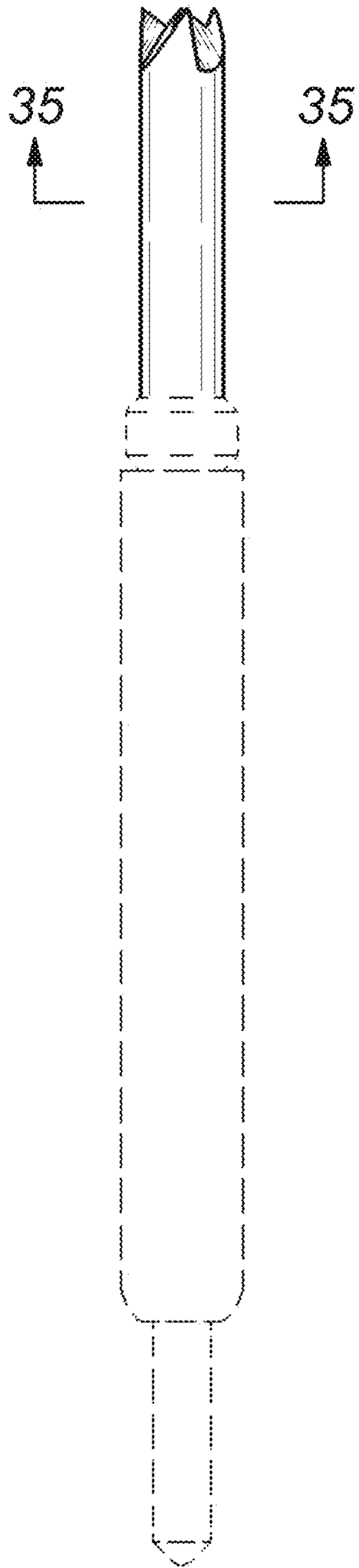


FIG. 27

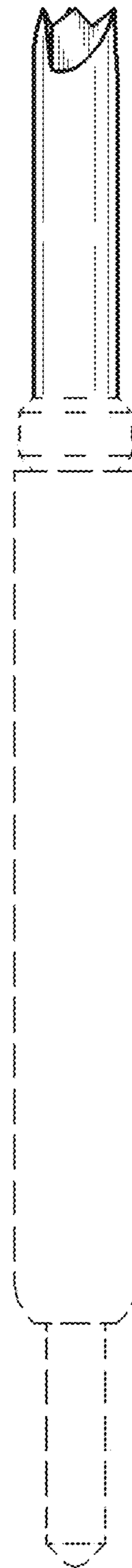


FIG. 28

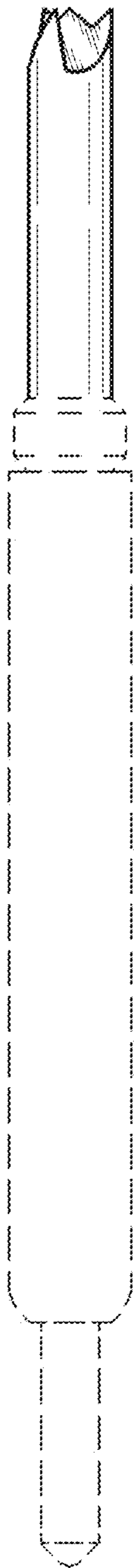


FIG. 29

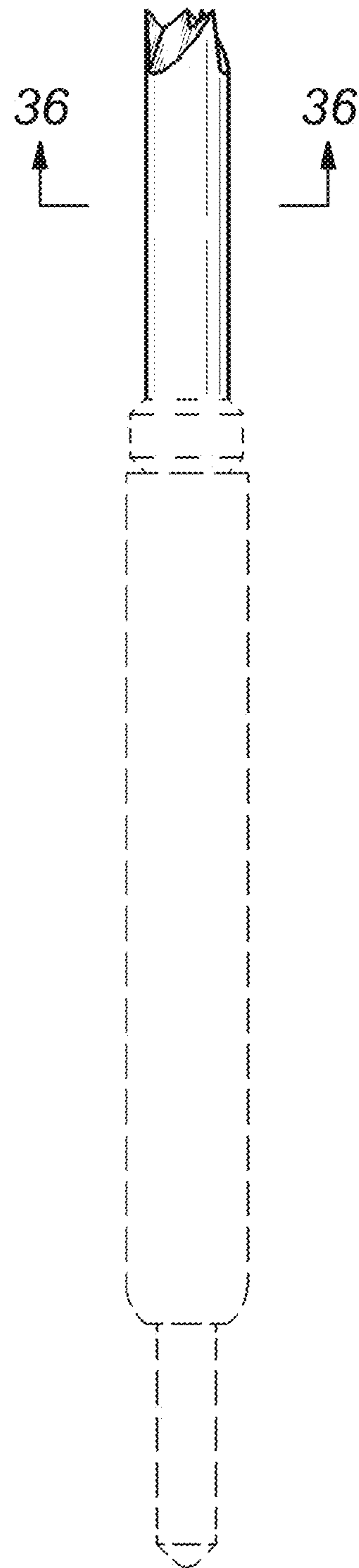


FIG. 30



FIG. 31

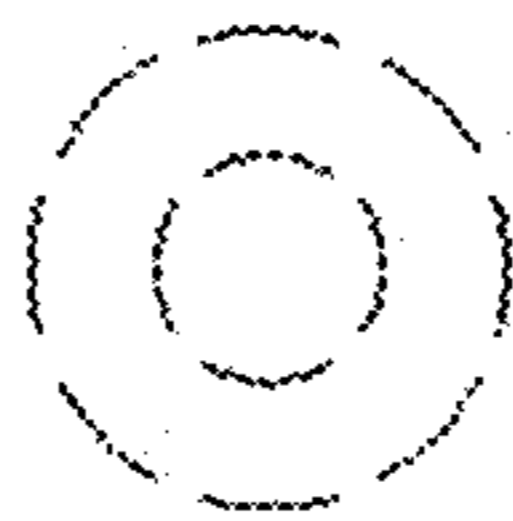


FIG. 32

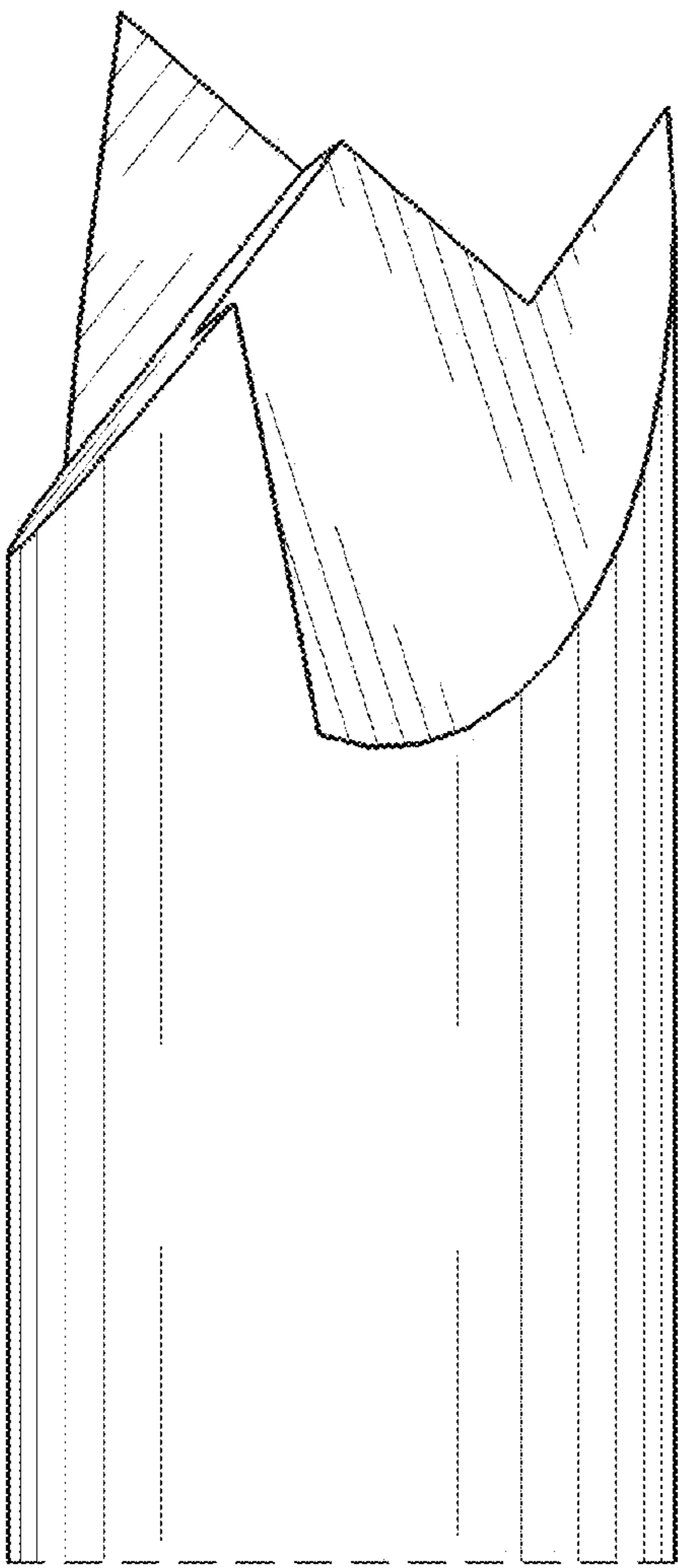


FIG. 33

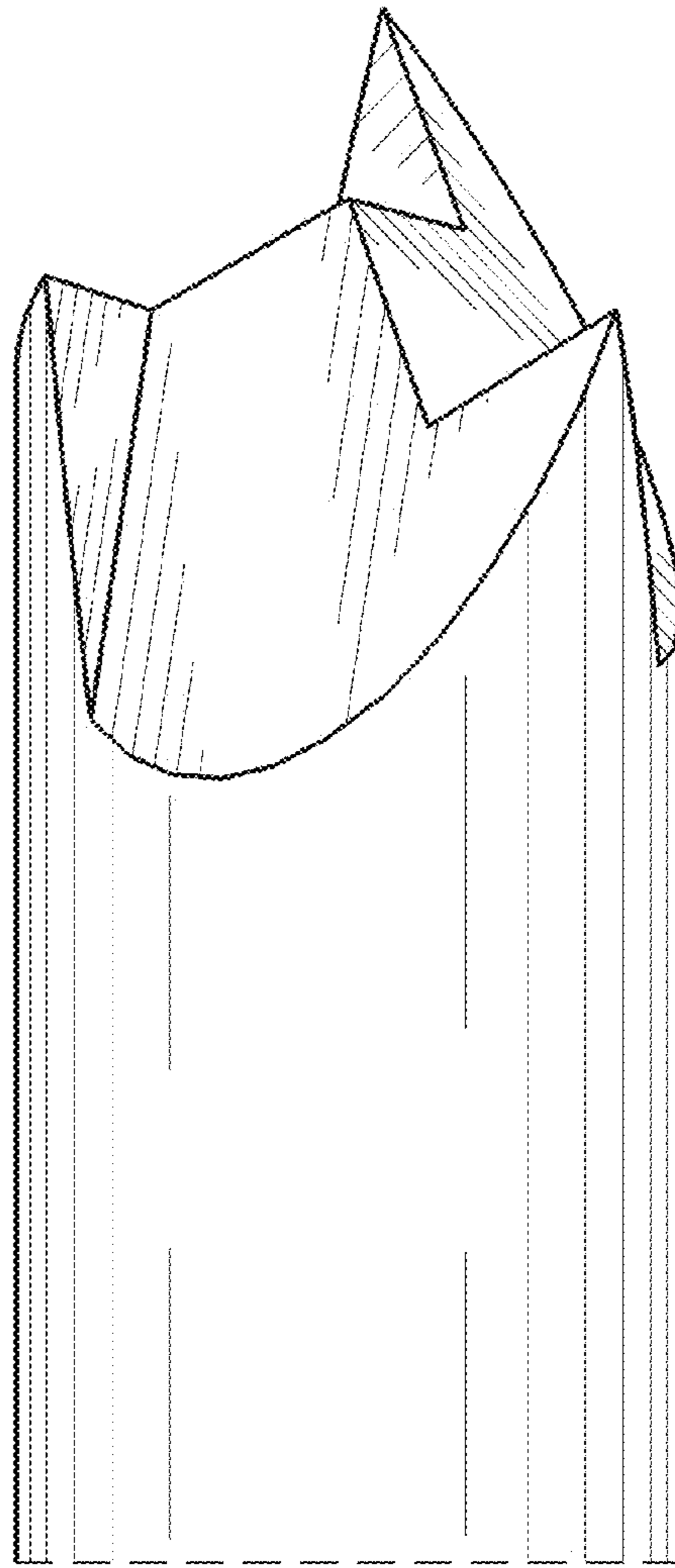


FIG. 34

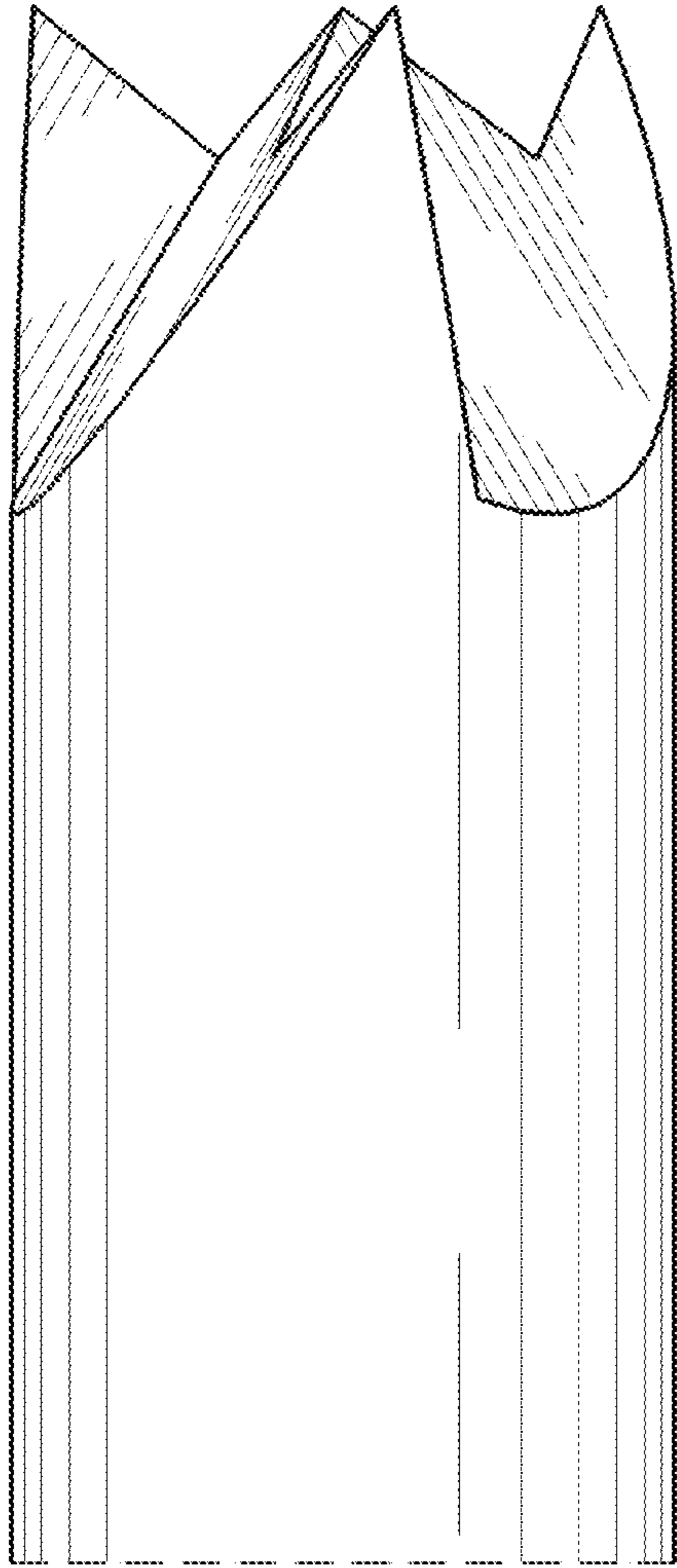


FIG. 35

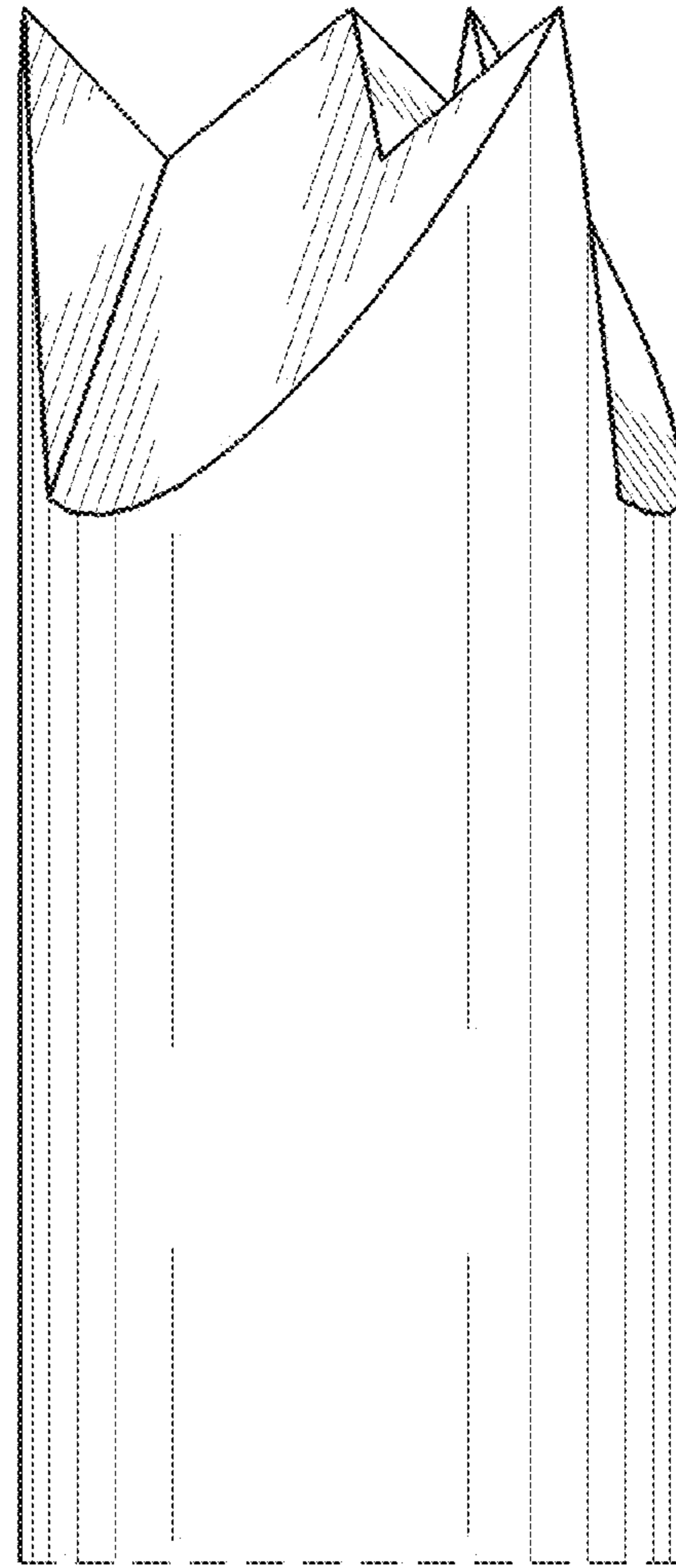


FIG. 36

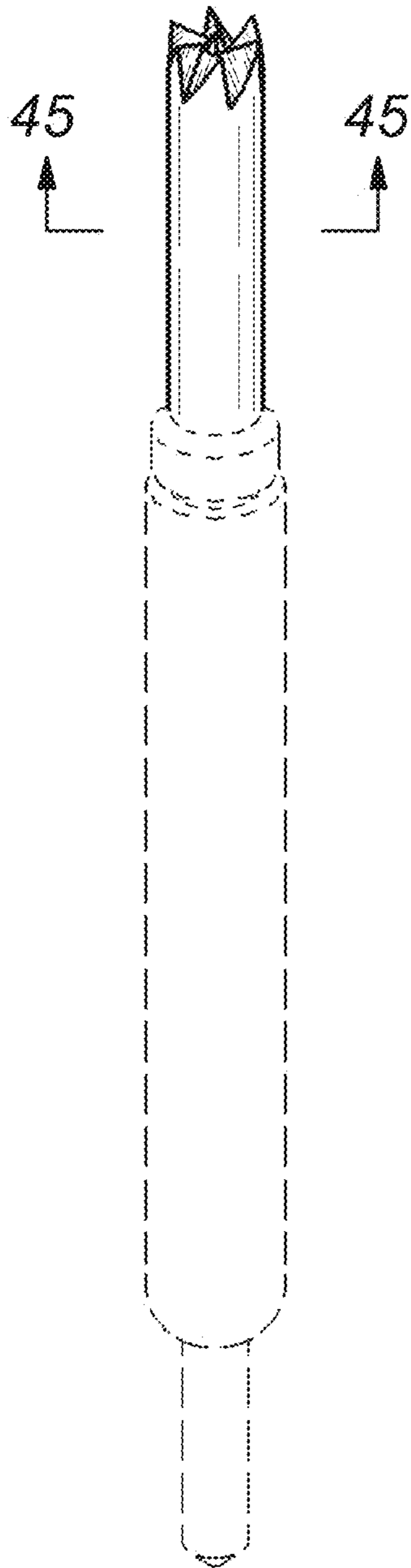


FIG. 37

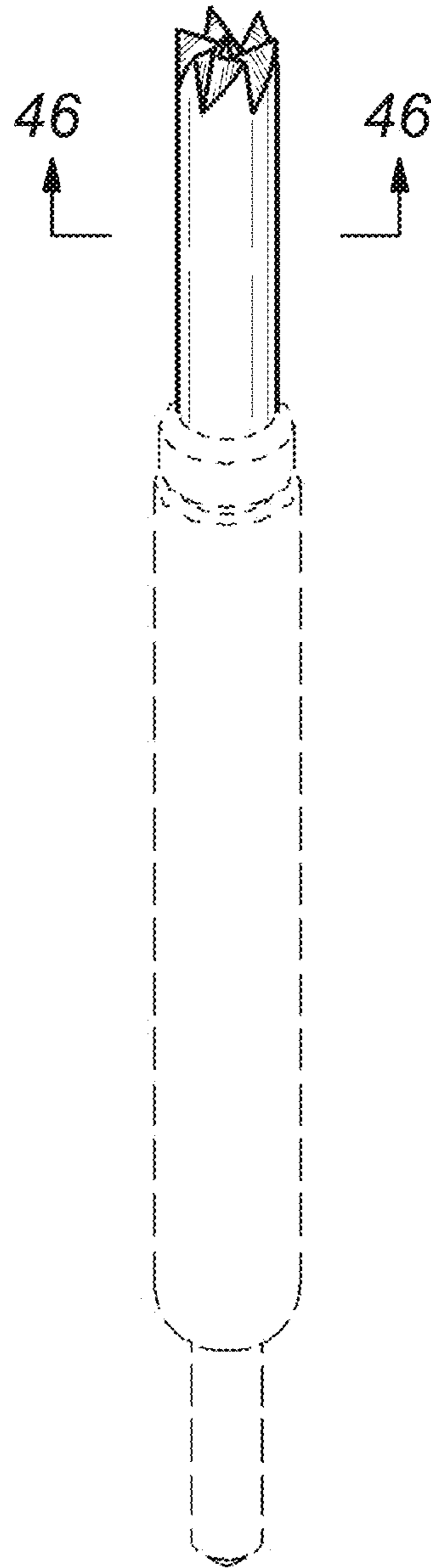


FIG. 38

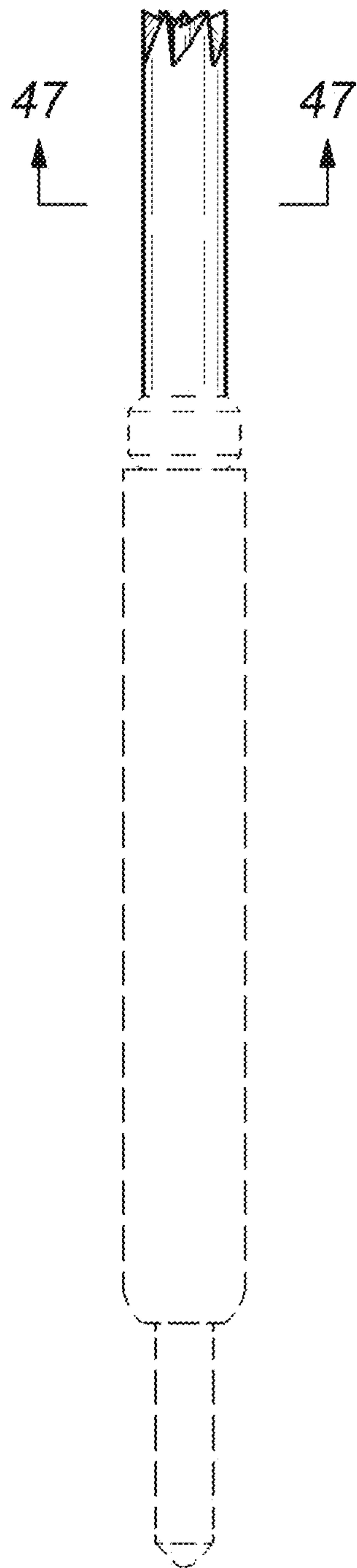


FIG. 39

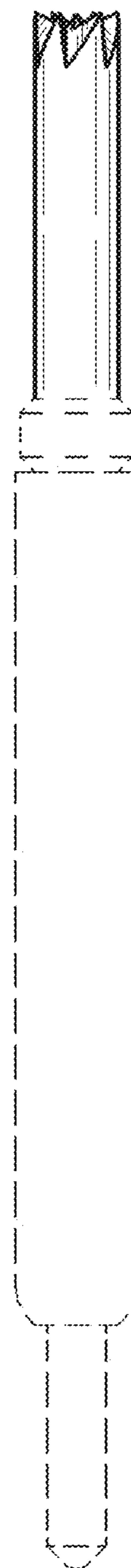


FIG. 40

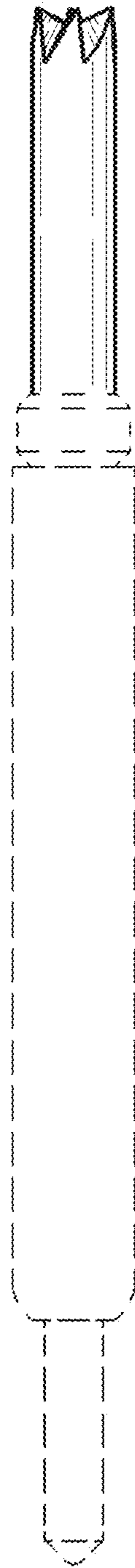


FIG. 41

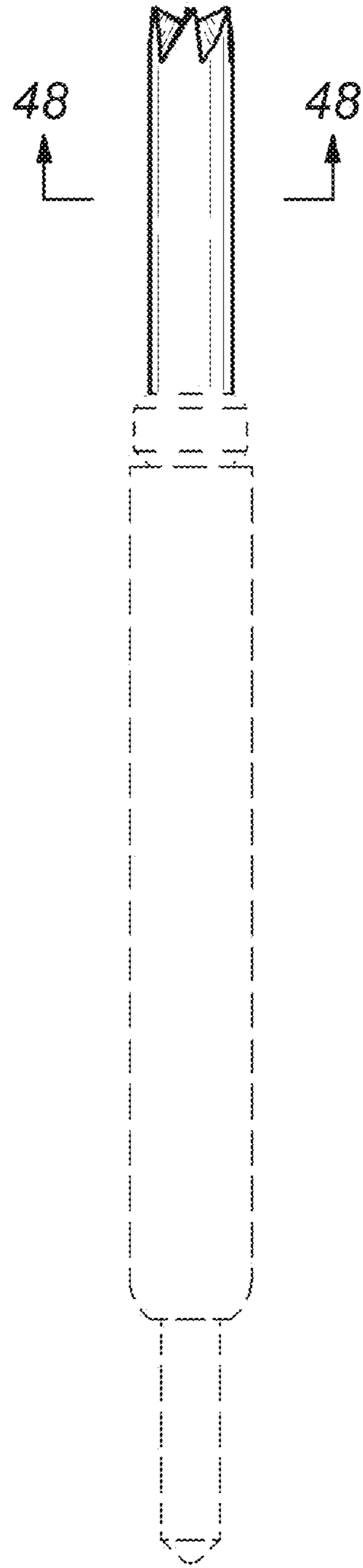


FIG. 42



FIG. 43

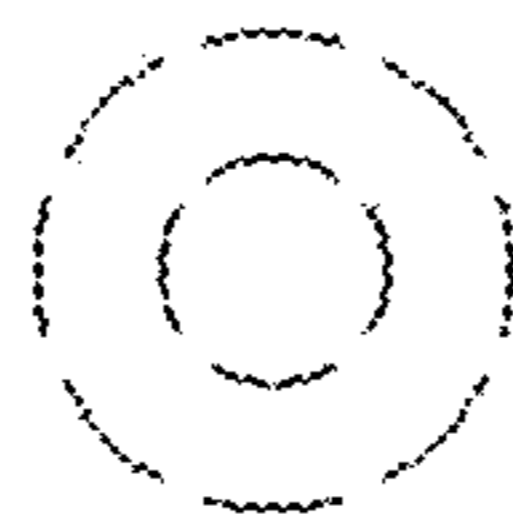


FIG. 44

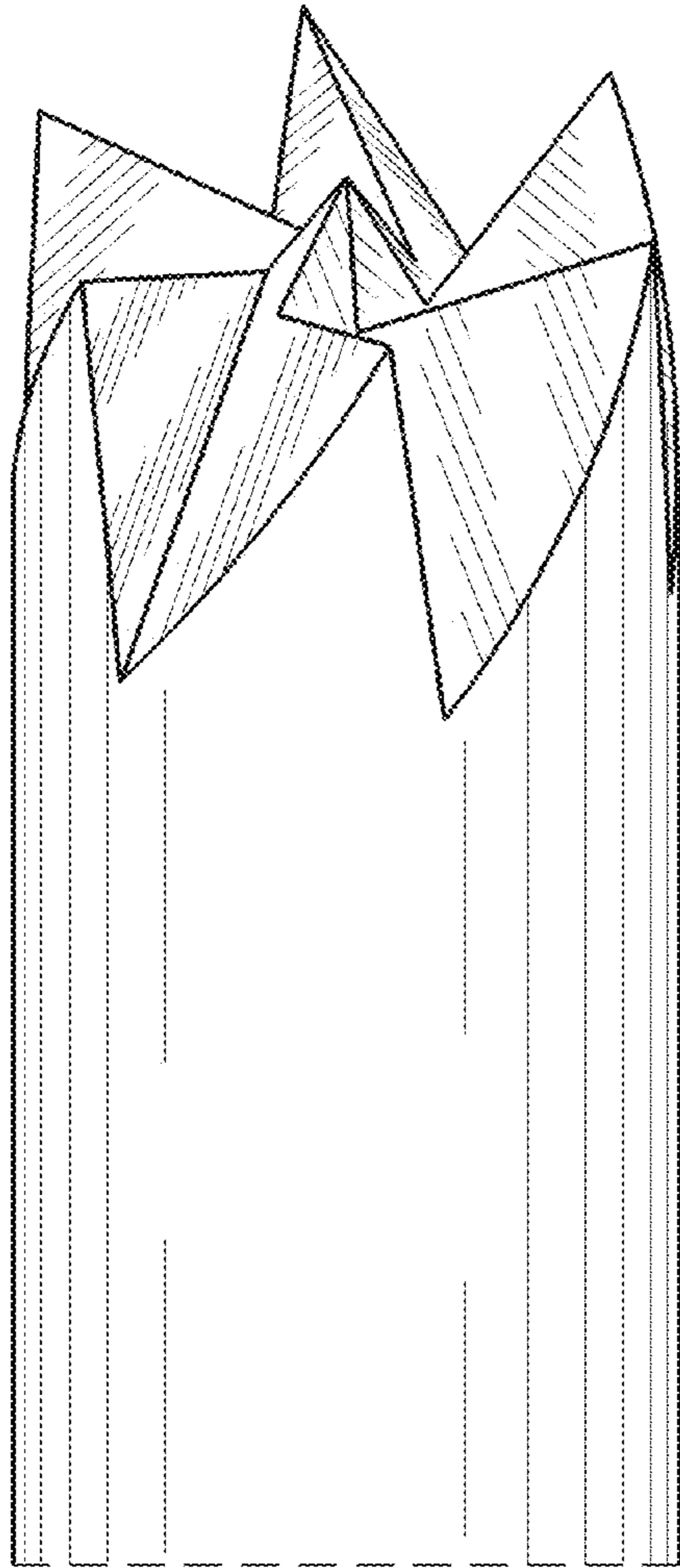


FIG. 45

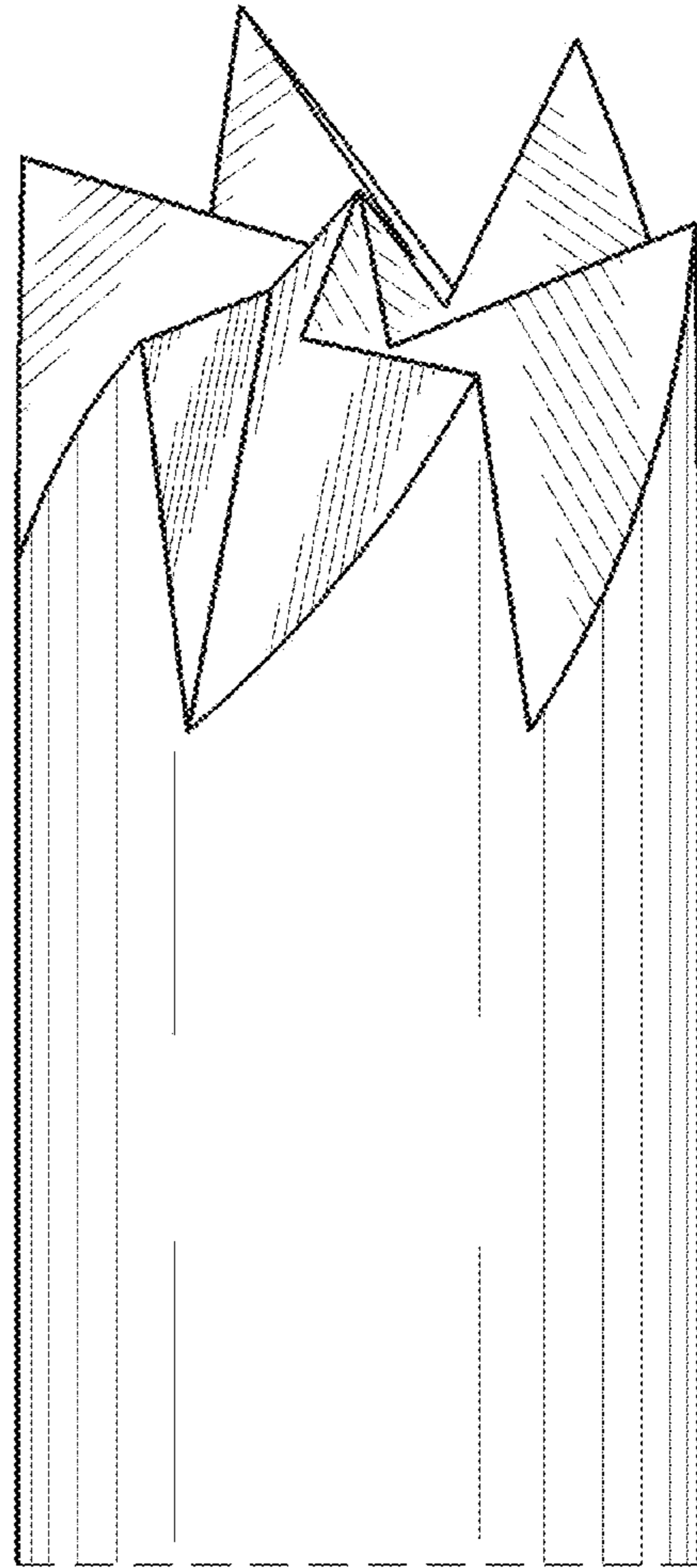


FIG. 46

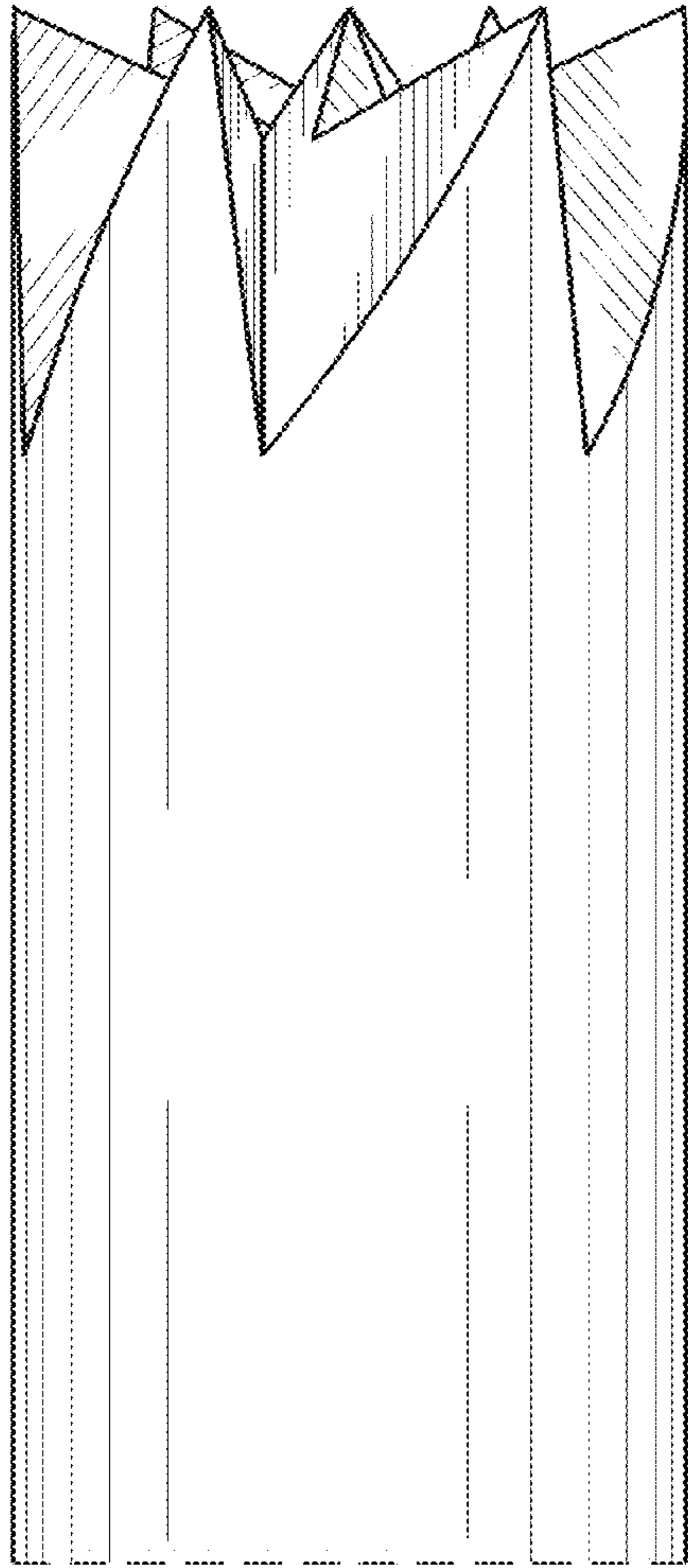


FIG. 47

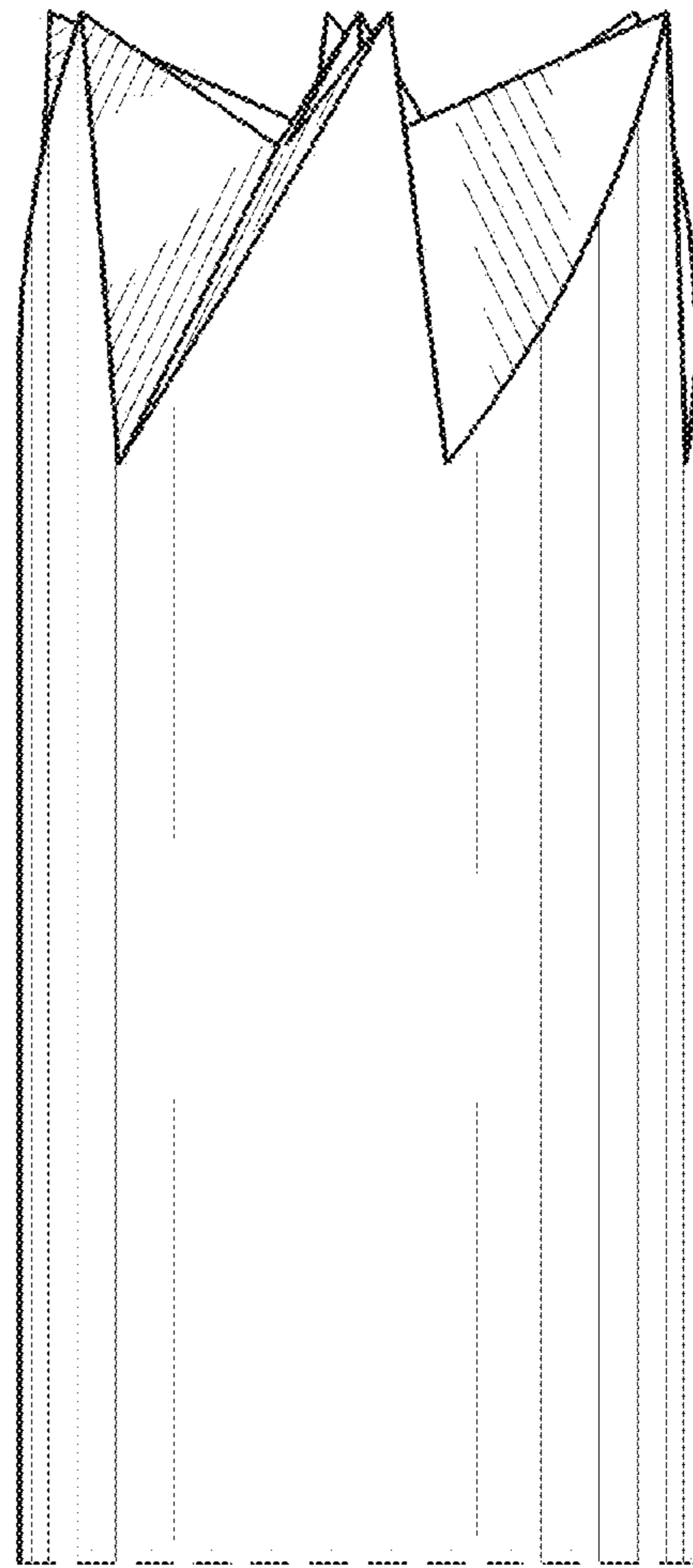


FIG. 48