



US00D469529S

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

(10) **Patent No.:** **US D469,529 S**
(45) **Date of Patent:** **** Jan. 28, 2003**

(54) **NEEDLE ASSEMBLY**

(75) Inventors: **Volker Niermann**, Little Falls, NJ
(US); **Bradley M. Wilkinson**, North
Haledon, NJ (US)

(73) Assignee: **Becton, Dickinson and Company**,
Franklin Lakes, NJ (US)

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

(21) Appl. No.: **29/148,359**

(22) Filed: **Sep. 18, 2001**

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

(52) **U.S. Cl.** **D24/130; D24/112; D24/113**

(58) **Field of Search** D24/130, 112,
D24/114, 113, 128, 127, 146, 147; 128/DIG. 28;
600/576, 573, 567, 583; 604/177, 164.01,
174, 198, 263, 165.04, 165.03, 164.04,
164.08, 164.03, 164.07, 164.06

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,775,367 A * 10/1988 Schmidt 604/164.06
5,088,982 A * 2/1992 Ryan 600/576
5,120,320 A * 6/1992 Fayngold 604/177

5,192,275 A * 3/1993 Burns 604/263
5,304,144 A * 4/1994 Brimhall 604/177
D376,200 S * 12/1996 Lindgren et al. D24/112
5,746,215 A * 5/1998 Manjarrez 600/573
5,879,333 A * 3/1999 Smith 604/164.04
6,210,371 B1 * 4/2001 Shaw 604/164.08

* cited by examiner

Primary Examiner—Ian Simmons

(74) *Attorney, Agent, or Firm*—Nanette S. Thomas, Esq.

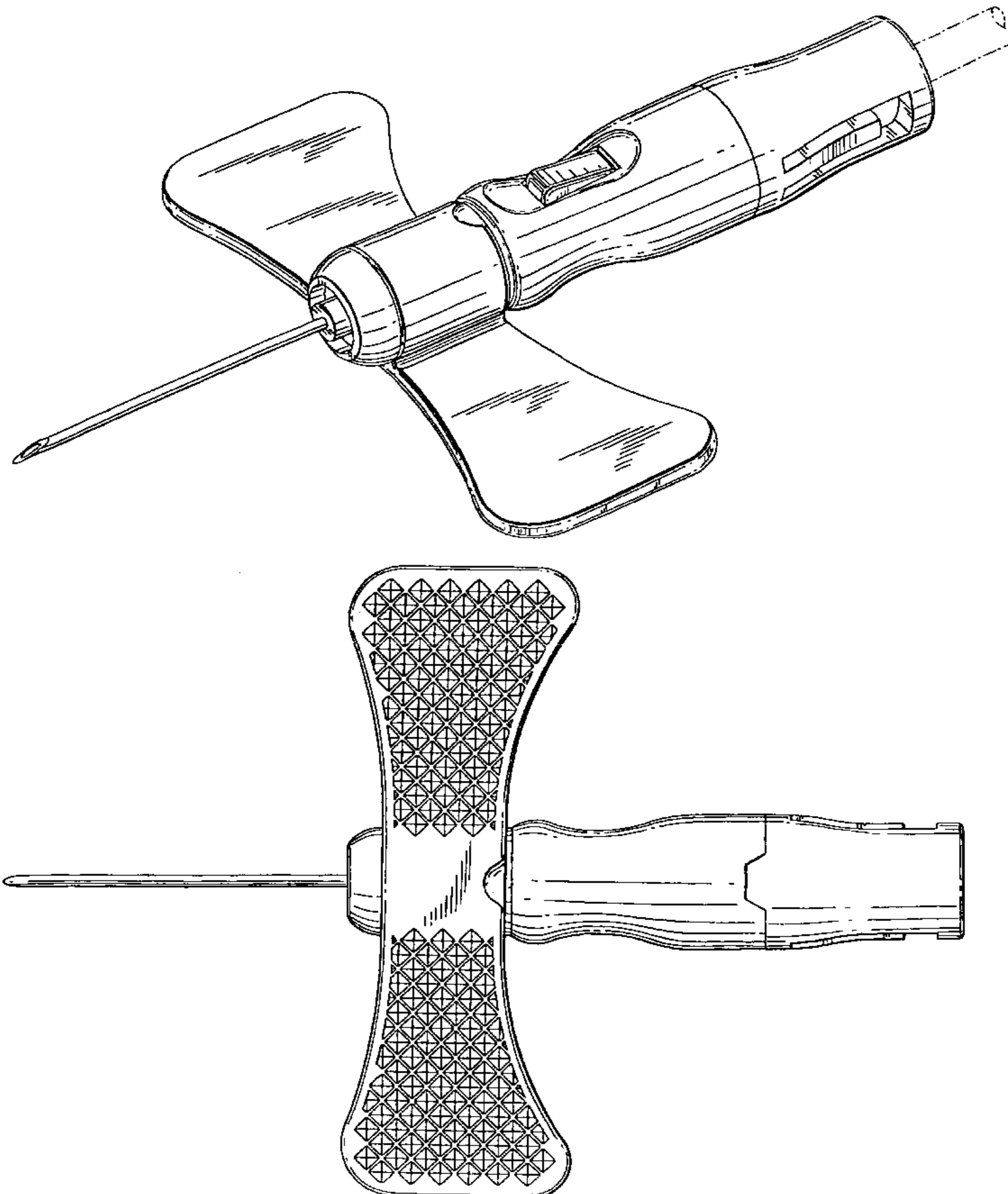
(57) **CLAIM**

The ornamental design for a needle assembly, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a needle assembly showing our new design, the broken line showing is for illustrative purposes only and forms no part of the claimed design; FIG. 2 is a top plan view thereof; FIG. 3 is a left side elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a front elevational view thereof; FIG. 6 is a rear elevational view thereof; and, FIG. 7 is a bottom plan view thereof.

1 Claim, 6 Drawing Sheets



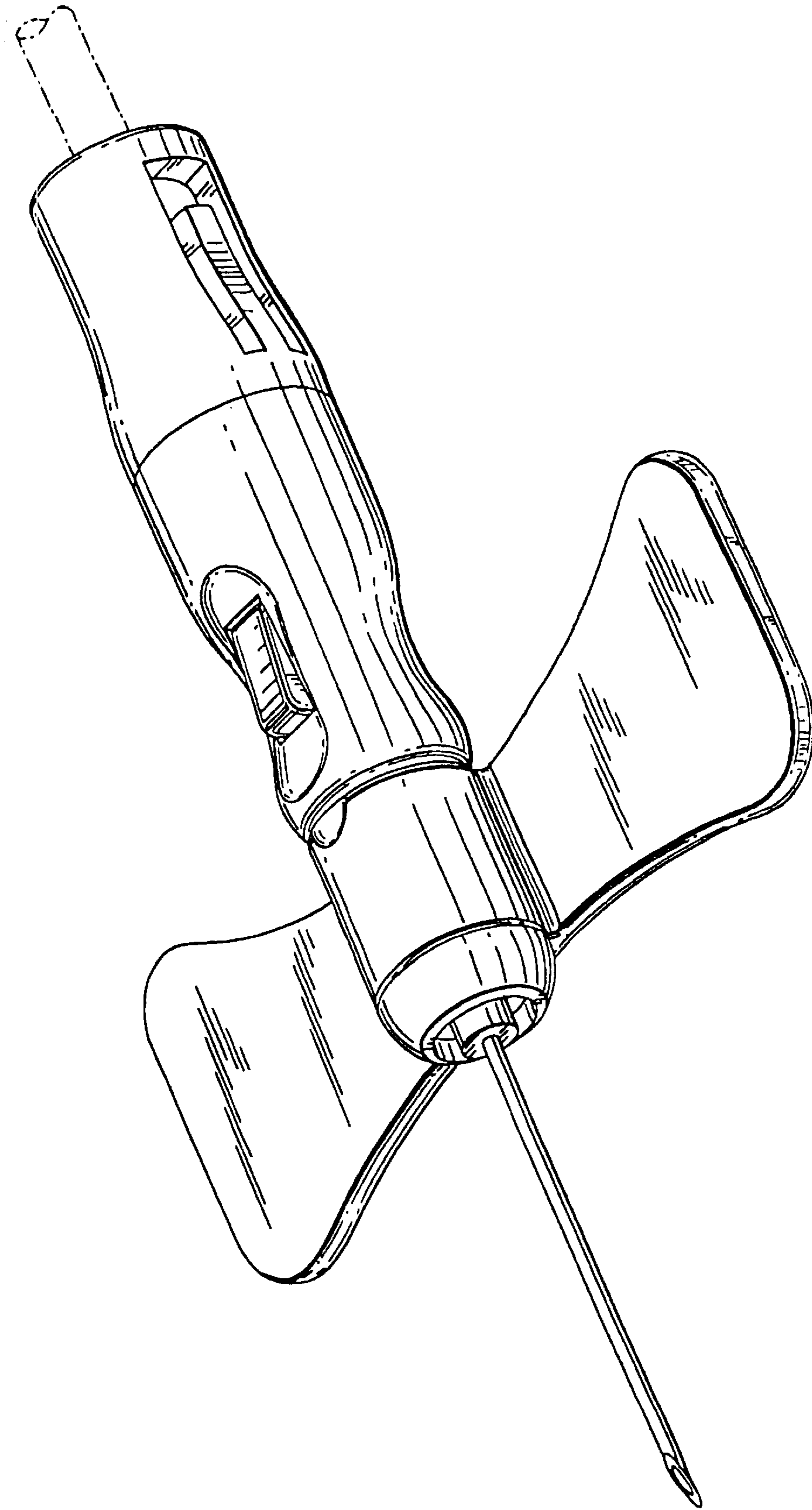


FIG. 1

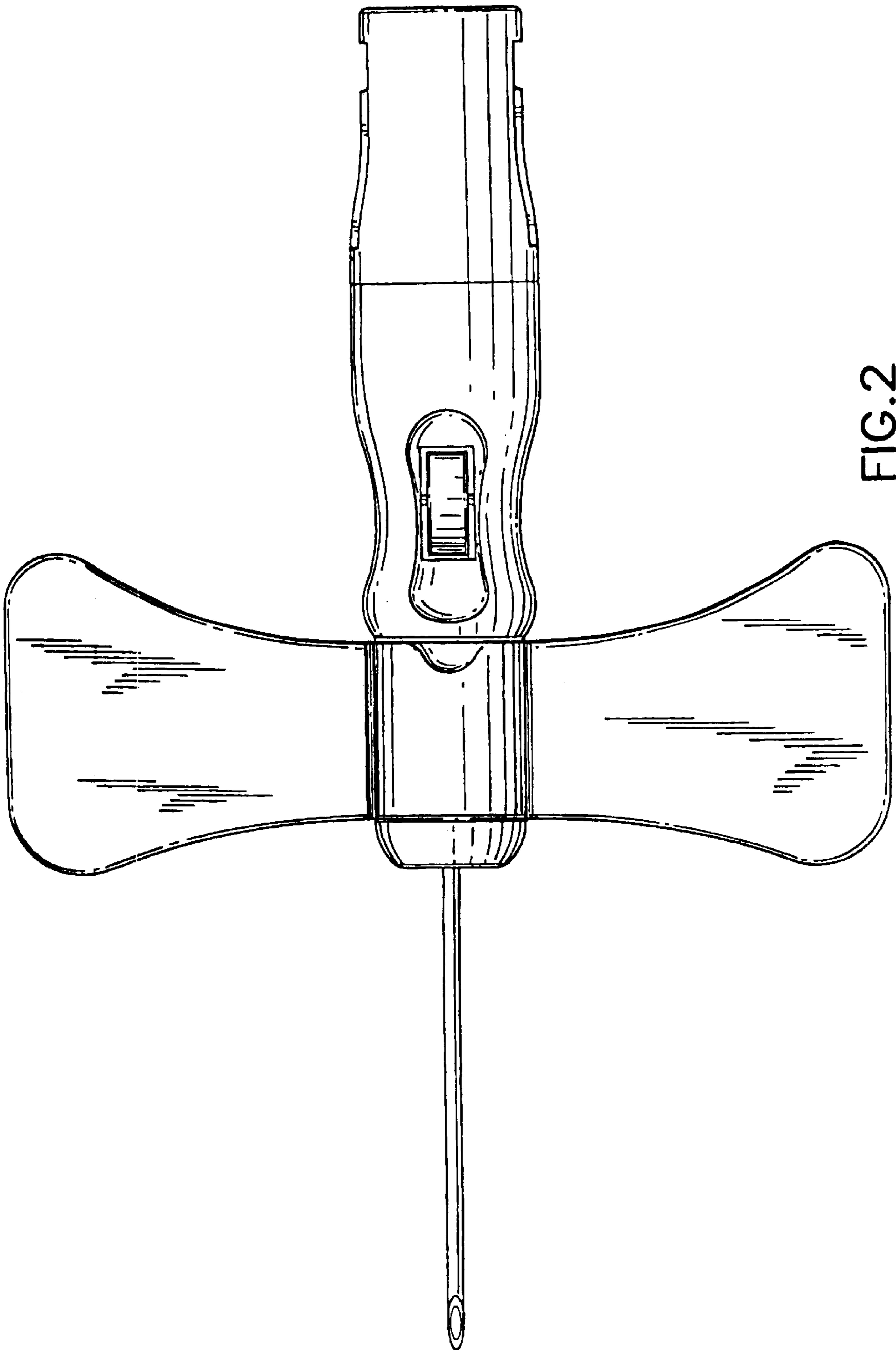


FIG.2

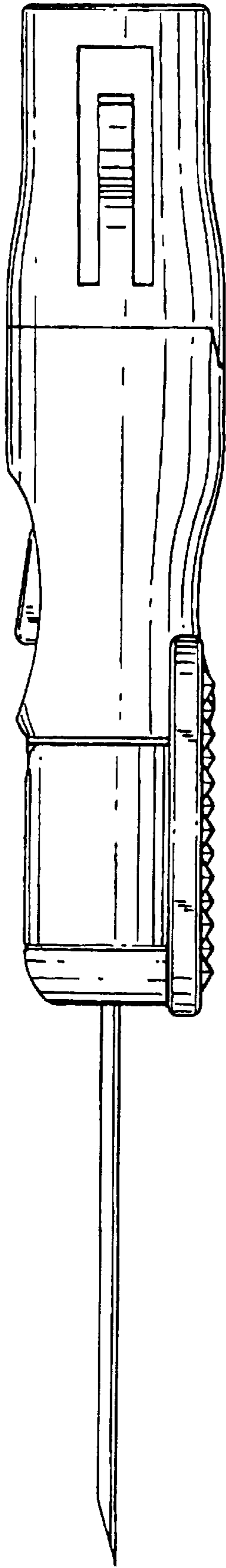


FIG. 3

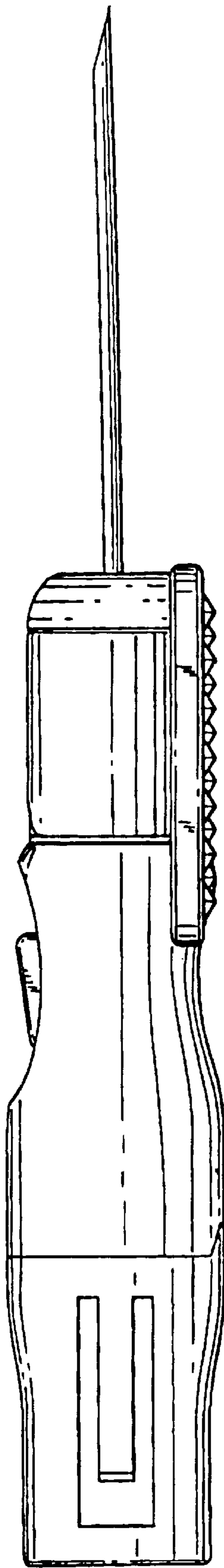


FIG. 4

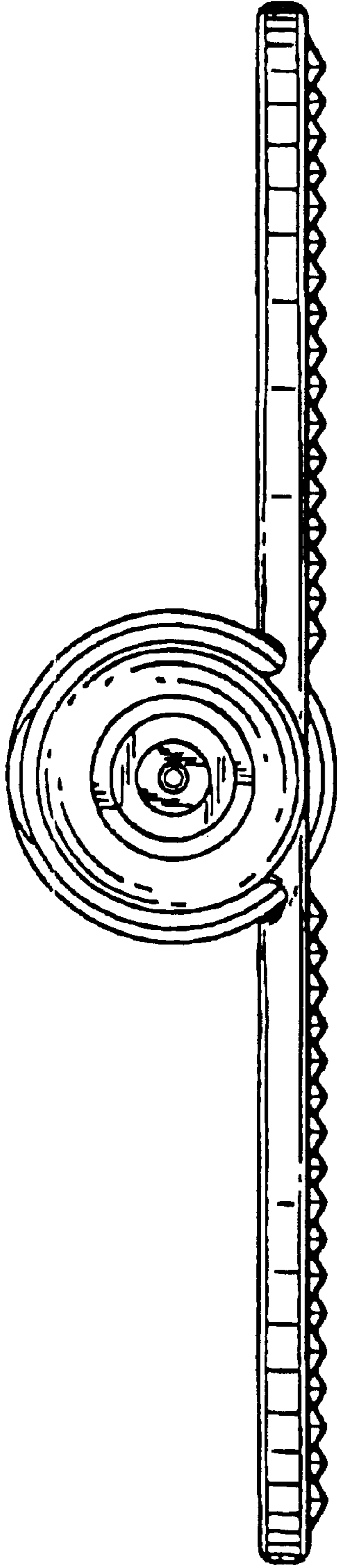


FIG. 5

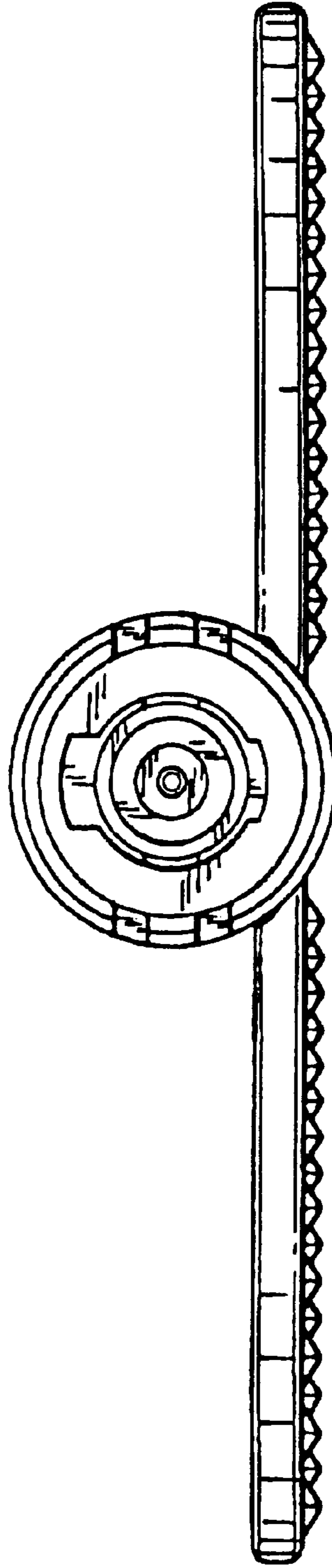


FIG. 6

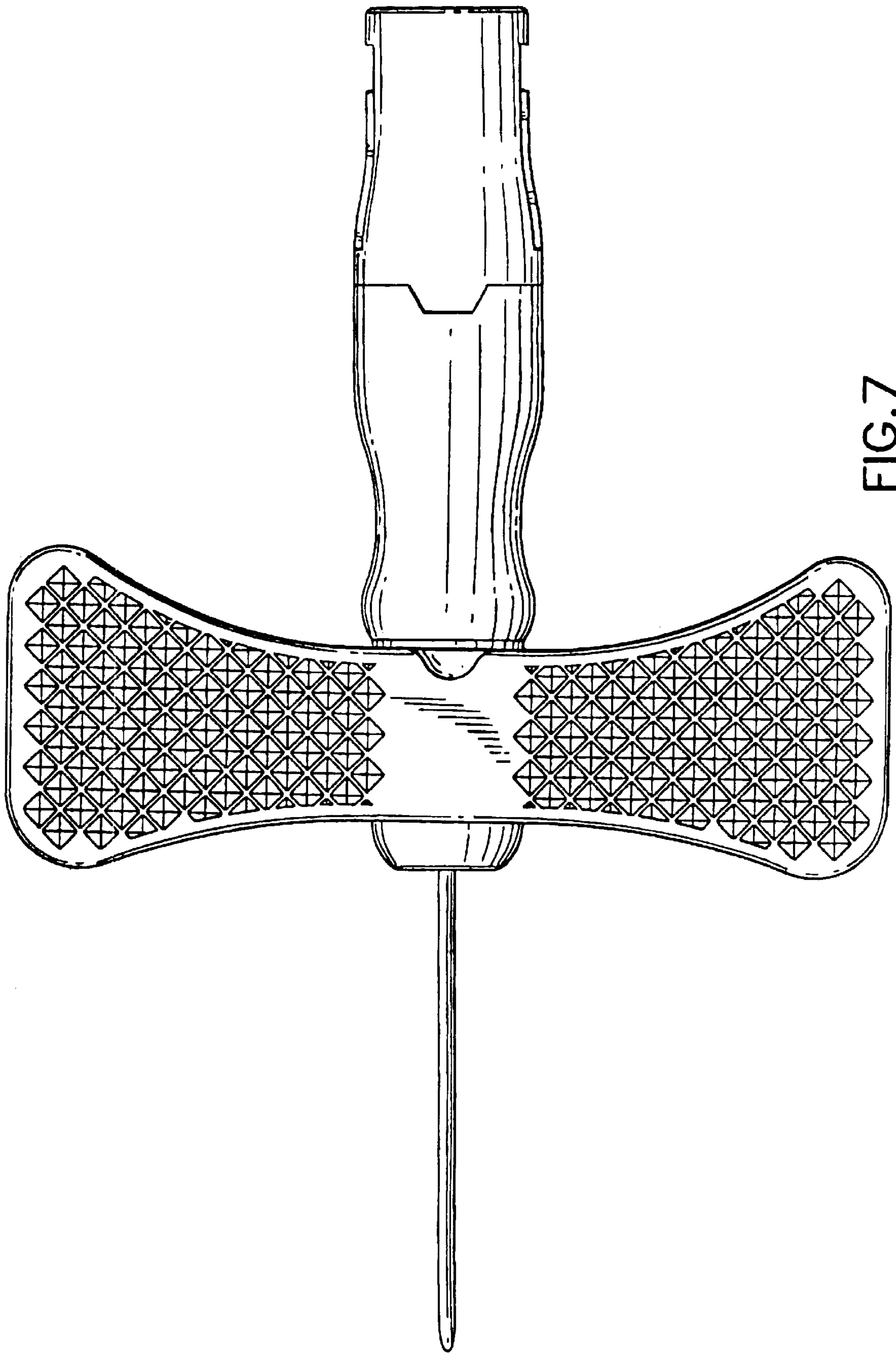


FIG. 7