US00D376200S

United States Patent [19]

Lindgren et al.

[11] **Patent Number: Des. 376,200**

[45] **Date of Patent: **Dec. 3, 1996**

[54] **INFUSION CANNULA**

[75] Inventors: **Lars Lindgren**, Helsingborg; **Sten Persson**, Arild, both of Sweden

[73] Assignee: **Viggo-Spectramed AB**, Helsingborg, Sweden

[**] Term: **14 Years**

[21] Appl. No.: **12,605**

[22] Filed: **Aug. 6, 1993**

[30] **Foreign Application Priority Data**

Feb. 8, 1993 [SE] Sweden 93 1111

[52] **U.S. Cl.** **D24/112**

[58] **Field of Search** D24/112, 108, D24/130, 146; 604/164, 165, 168, 192, 162, 198, 263, 900, 158

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 250,349	11/1978	McFarlane	D24/112
4,445,895	5/1984	Bodicky	604/165
4,846,805	7/1989	Sitar	604/165
4,863,432	9/1989	Kvalo	604/164 X
4,952,207	8/1990	Lemieux	604/164
5,000,740	3/1991	Ducharme et al. .	
5,026,351	6/1991	Pizon	604/164
5,053,014	10/1991	Van Heughten .	
5,215,528	6/1993	Purdy et al.	604/164

Primary Examiner—Louis S. Zarfas
Assistant Examiner—I. Simmons
Attorney, Agent, or Firm—Browdy and Neimark

[57] **CLAIM**

The ornamental design for an infusion cannula, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a transparent infusion cannula showing our new design;

FIG. **2** is a perspective view of a non-transparent infusion cannula showing our new design;

FIG. **3** is a perspective view of the infusion cannula of FIG. **2** shown with the protective cap removed;

FIG. **4** is a perspective view of the infusion cannula of FIG. **2** showing the protective cap, sheathing and cannula in disassembled condition;

FIG. **5** is a front elevation view of the infusion cannula of FIG. **1;**

FIG. **6** is a back elevation view of the infusion cannula of FIG. **1;**

FIG. **7** is an exploded view of the infusion cannula of FIG. **5** showing the protective cap, sheathing and cannula in disassembled condition;

FIG. **8** is a front elevation view of the infusion cannula of FIG. **2;**

FIG. **9** is a back elevation view of the infusion cannula of FIG. **2;**

FIG. **10** is a exploded view of the infusion cannula of FIG. **8** showing the protective cap sheathing and cannula in disassembled condition;

FIG. **11** is a left and right elevation view of the infusion cannula of FIGS. **1** and **5;**

FIG. **12** is an exploded view of the infusion cannula of FIG. **11** showing the protective cap, sheathing and cannula in disassembled condition;

FIG. **13** is a left and right side elevation view of the infusion cannula of FIGS. **2** and **7;**

FIG. **14** is an exploded view of the infusion cannula of FIG. **13** showing the protective cap, sheathing and cannula in disassembled condition;

FIG. **15** is a top end view of the infusion cannula of FIG. **1;**

FIG. **16** is a top end view of the protective cap of the infusion cannula of FIG. **1;**

FIG. **17** is a top end view of the cannula of the infusion cannula of FIG. **1;**

FIG. **18** is a top end view of the sheathing of the infusion cannula of FIG. **1;**

FIG. **19** is a bottom end view of the infusion cannula of FIG. **1;**

FIG. **20** is a top end view of the infusion cannula of FIG. **2;**

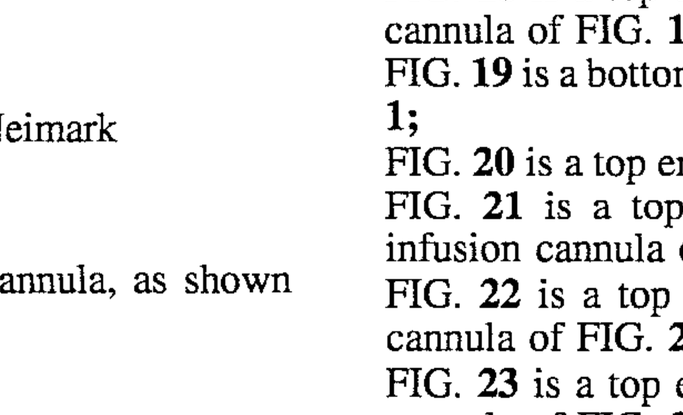
FIG. **21** is a top end view of the protective cap of the infusion cannula of FIG. **2;**

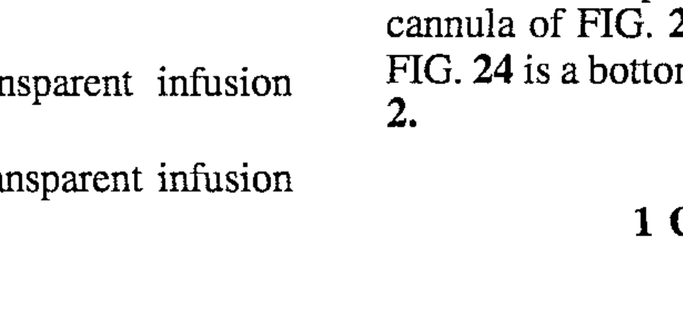
FIG. **22** is a top end view of the cannula of the infusion cannula of FIG. **2;**

FIG. **23** is a top end view of the sheathing of the infusion cannula of FIG. **2;** and,

FIG. **24** is a bottom end view of the infusion cannula of FIG. **2.**

1 Claim, 10 Drawing Sheets





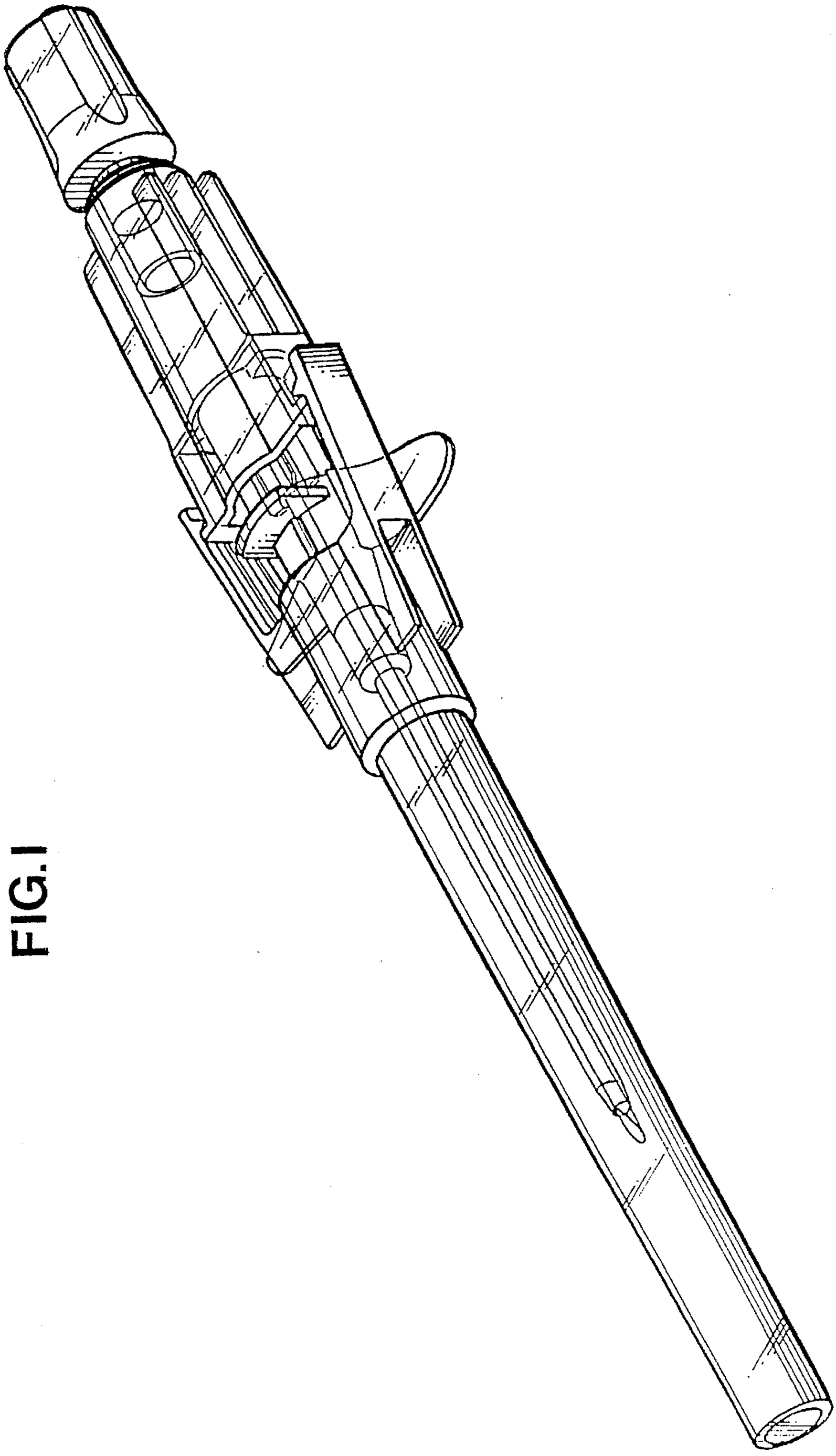


FIG.1

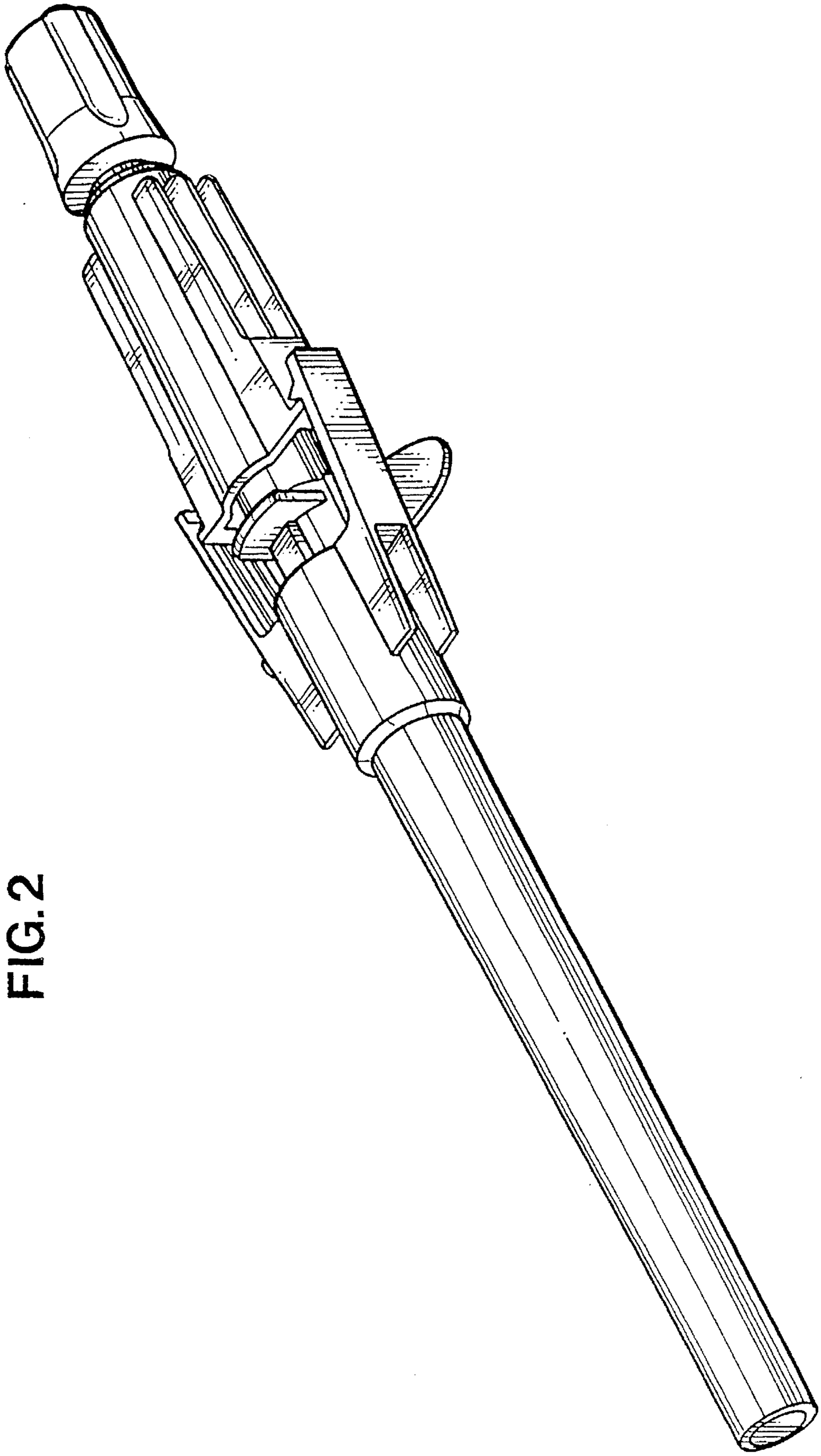


FIG. 2

FIG. 3

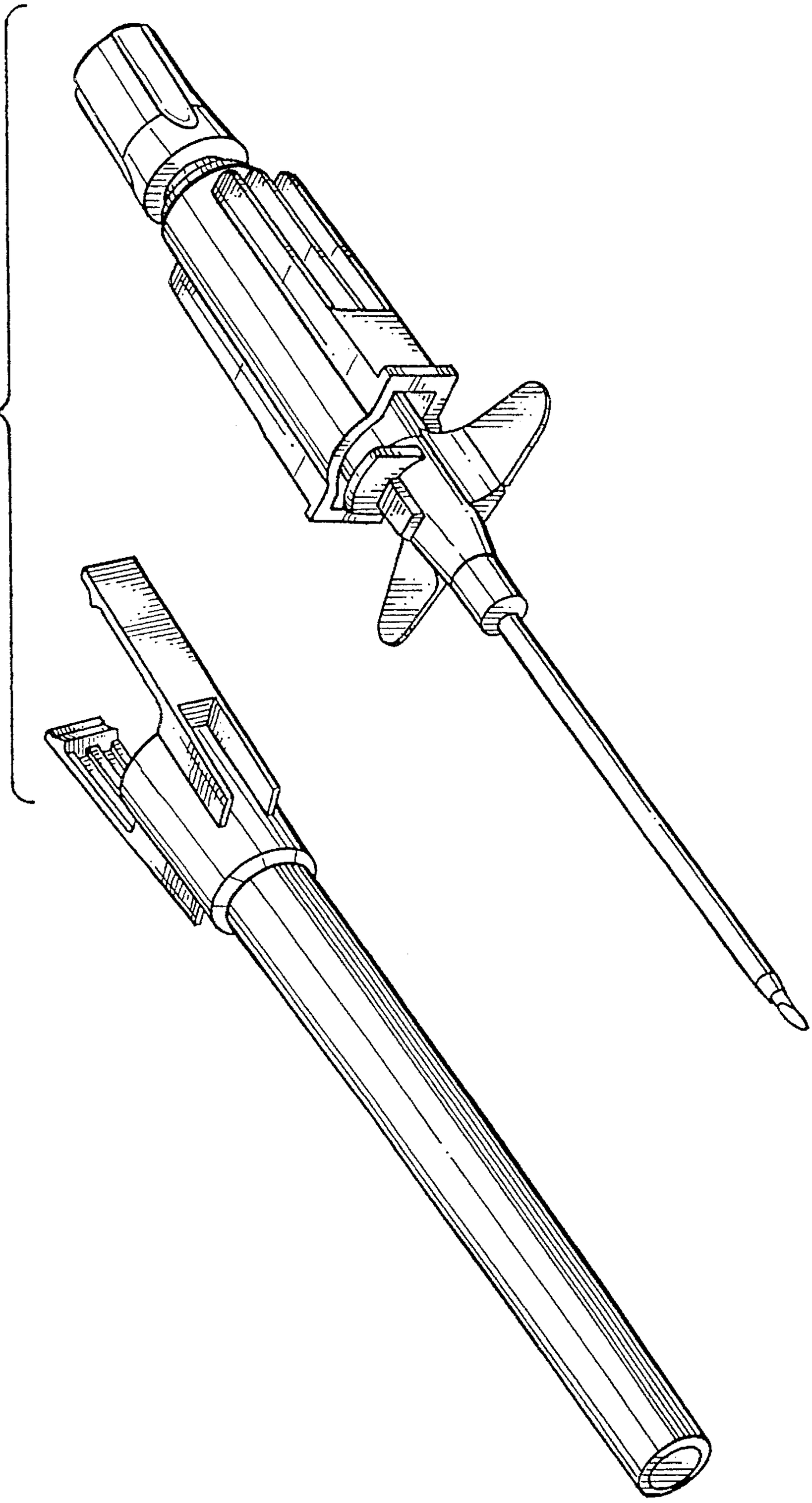


FIG.4

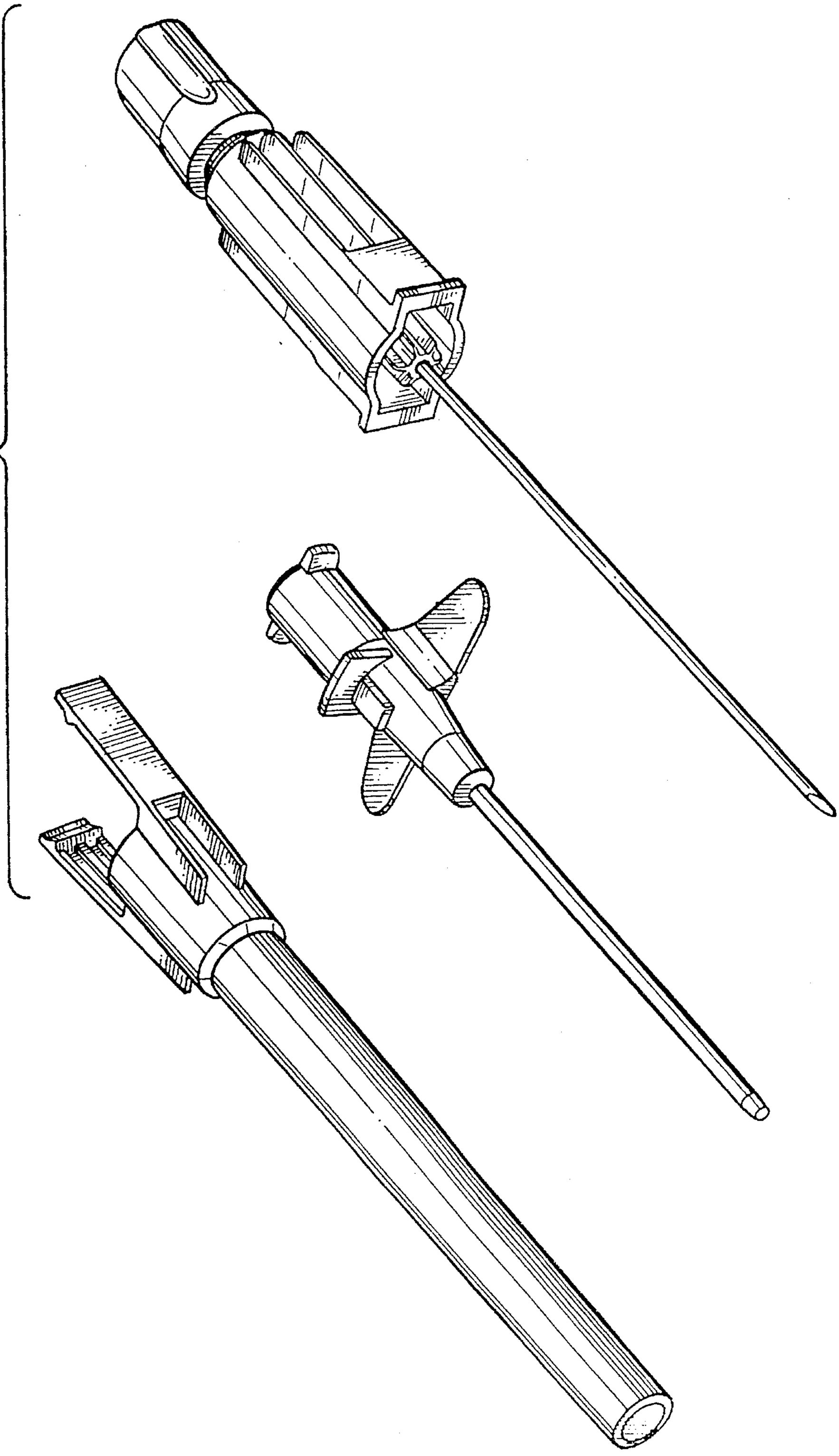


FIG. 5

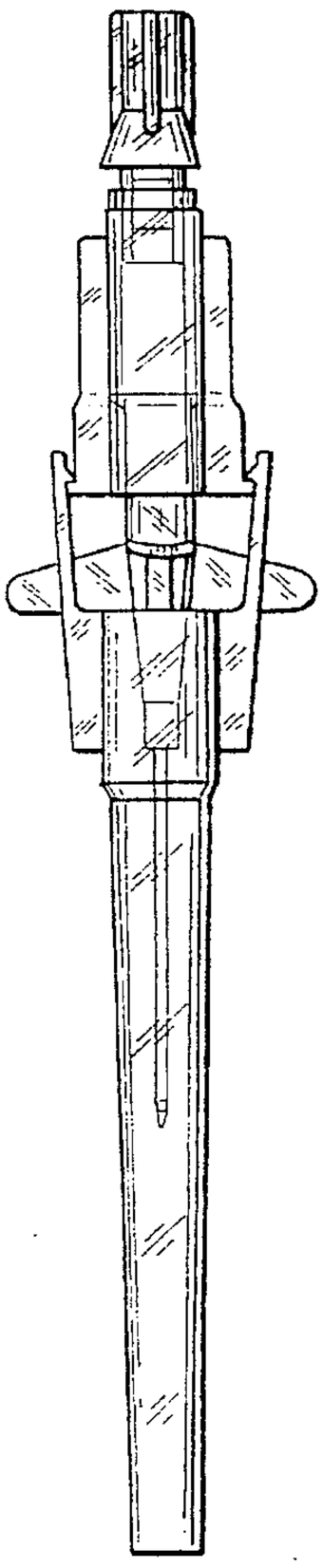


FIG. 6

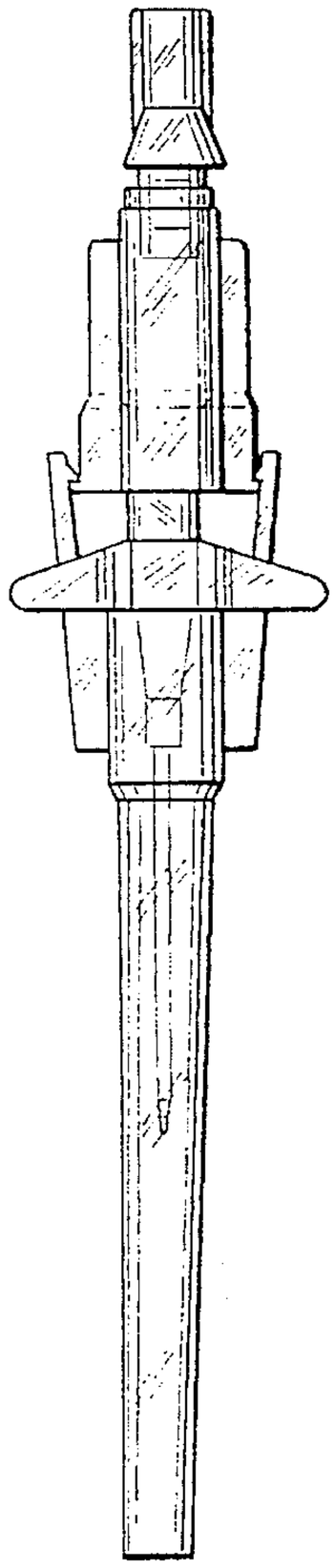


FIG. 7

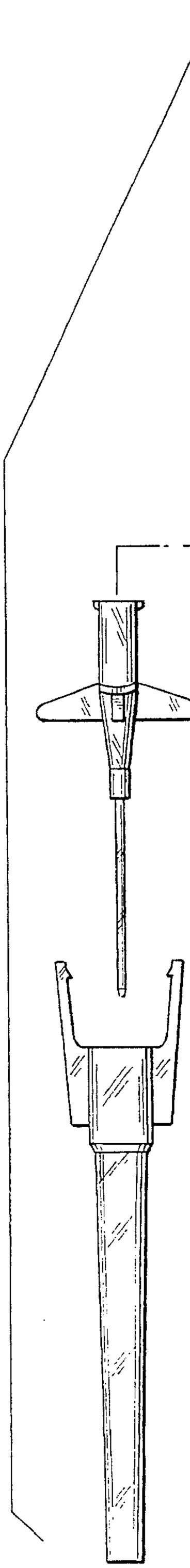


FIG. 8

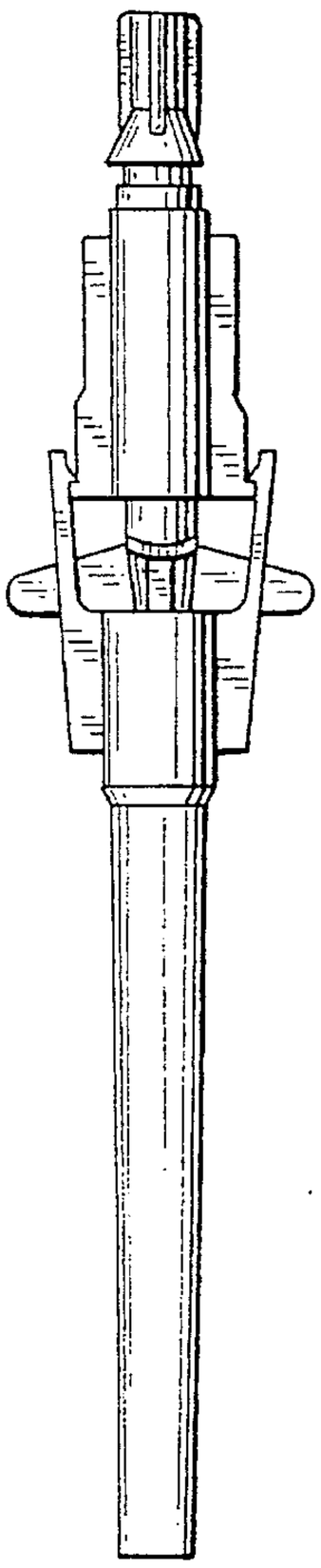


FIG. 9

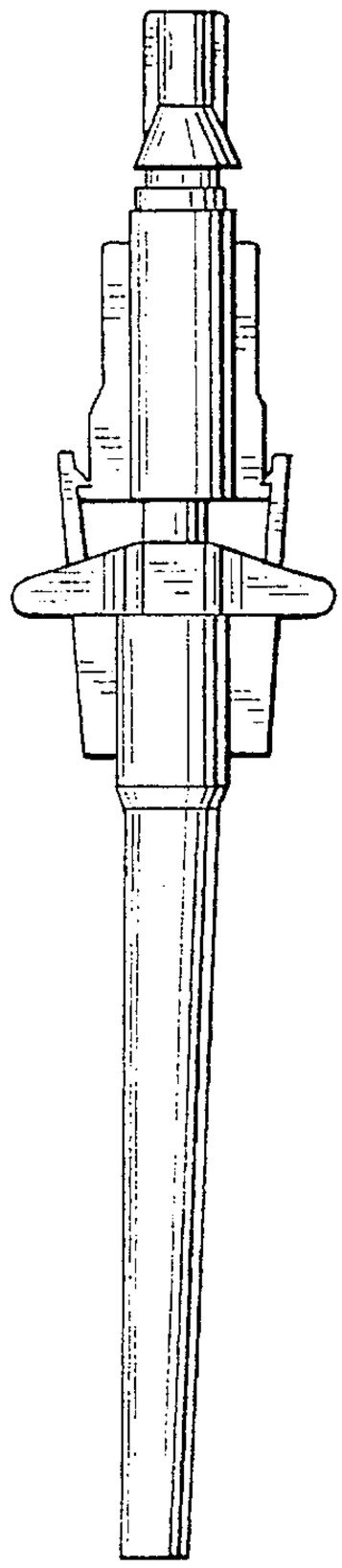


FIG. 10

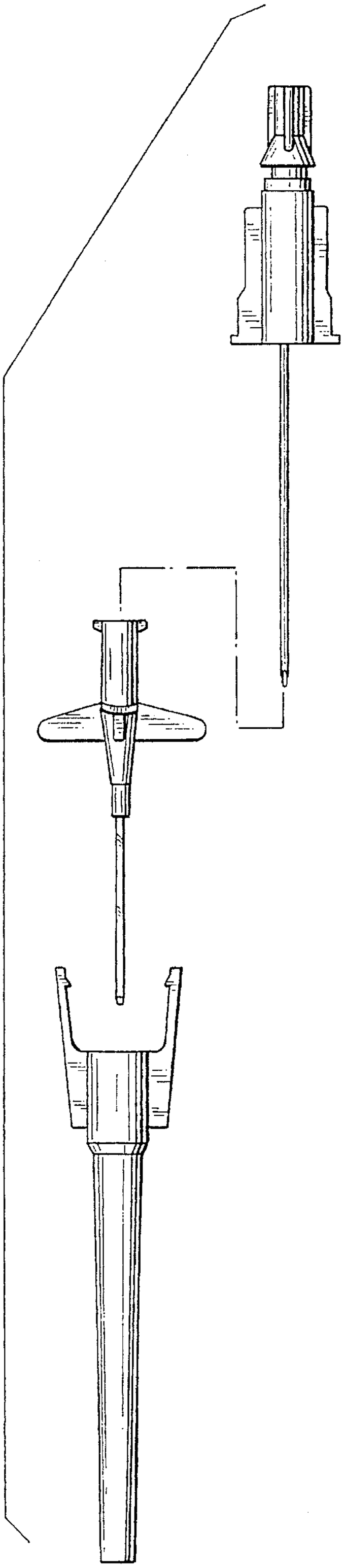


FIG. 11

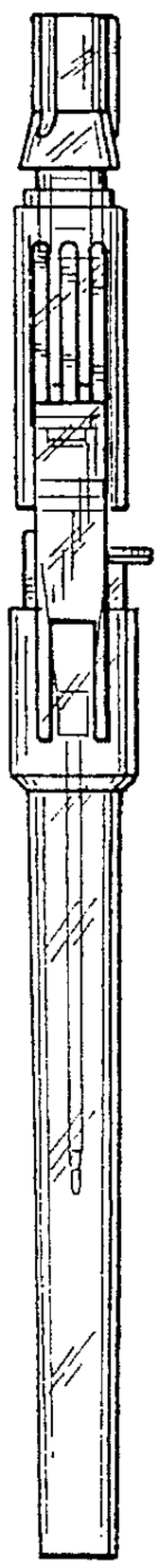


FIG. 12

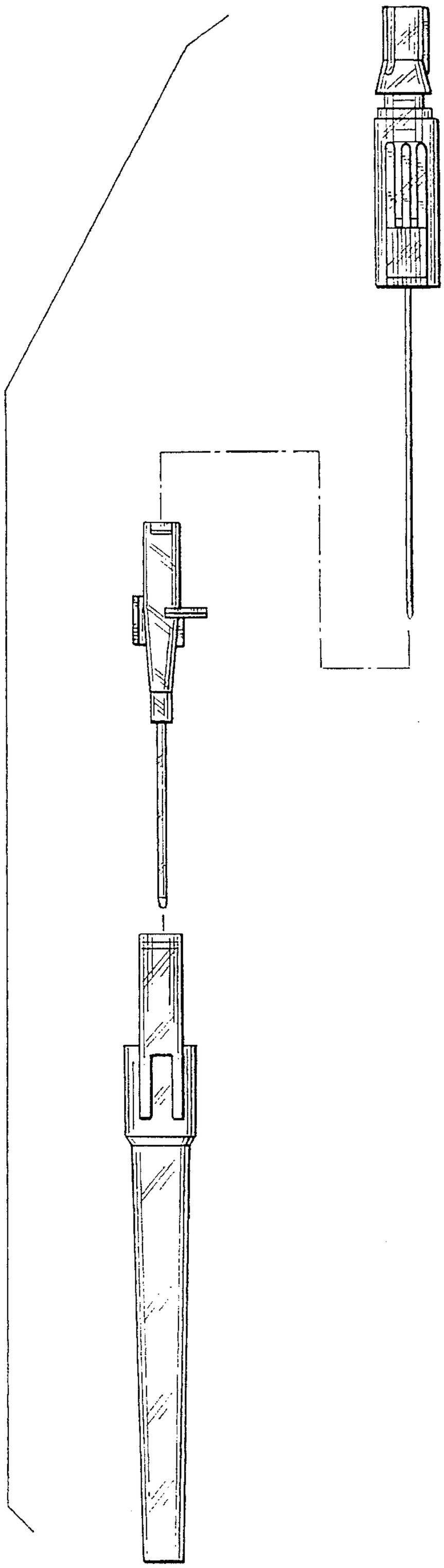


FIG. 13

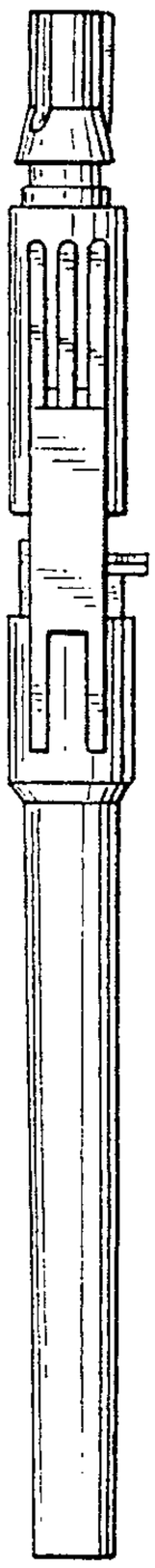


FIG. 14

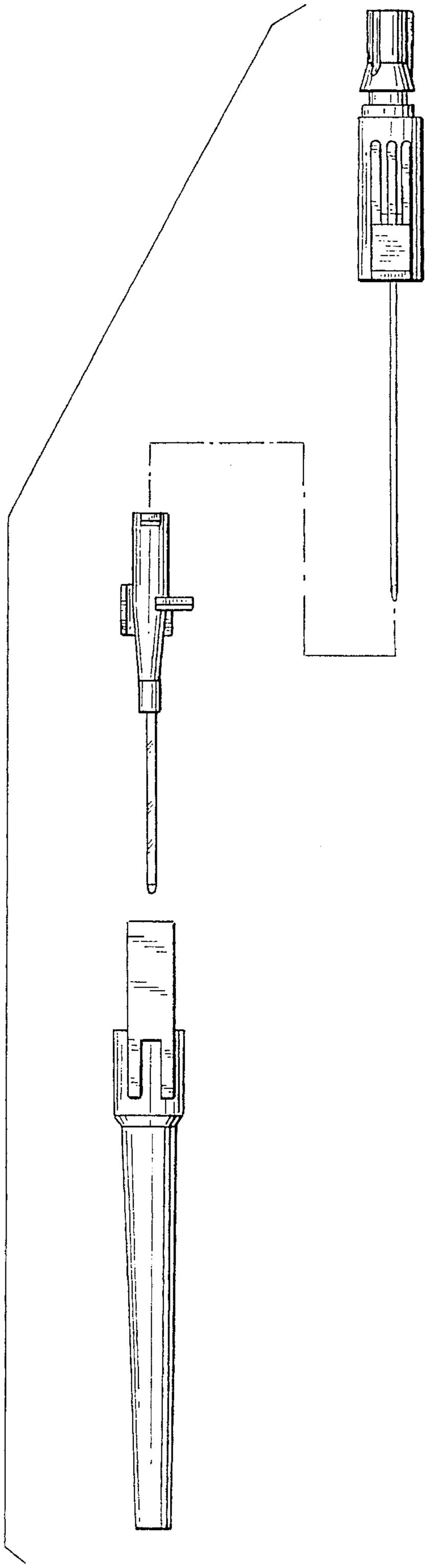


FIG. 15

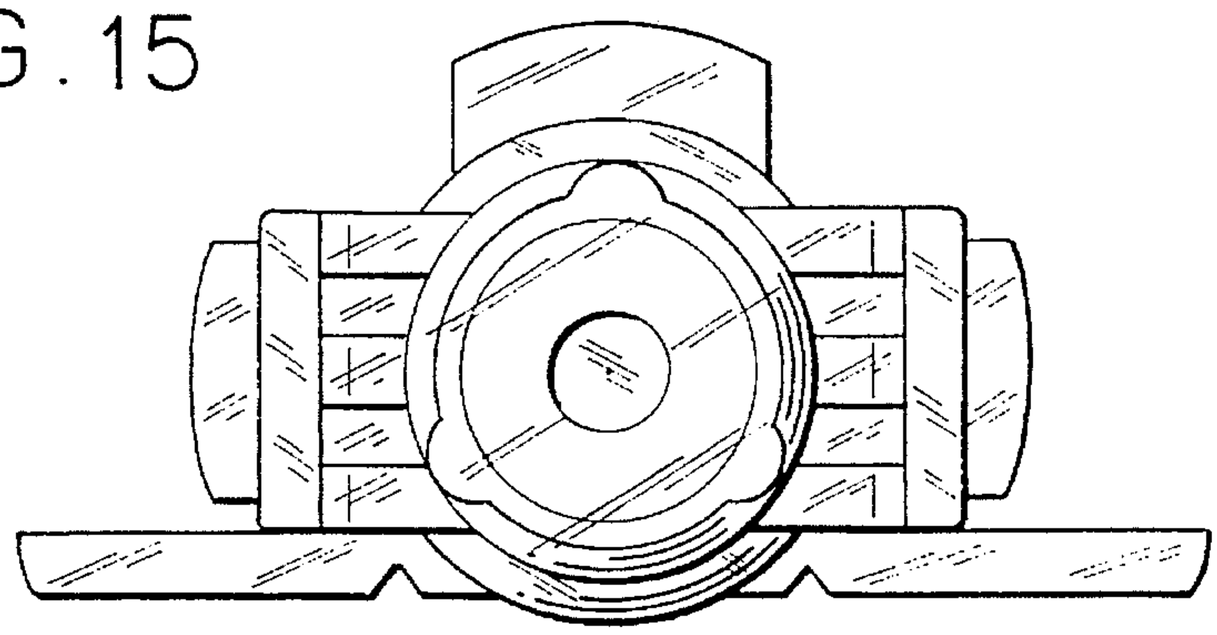


FIG. 16

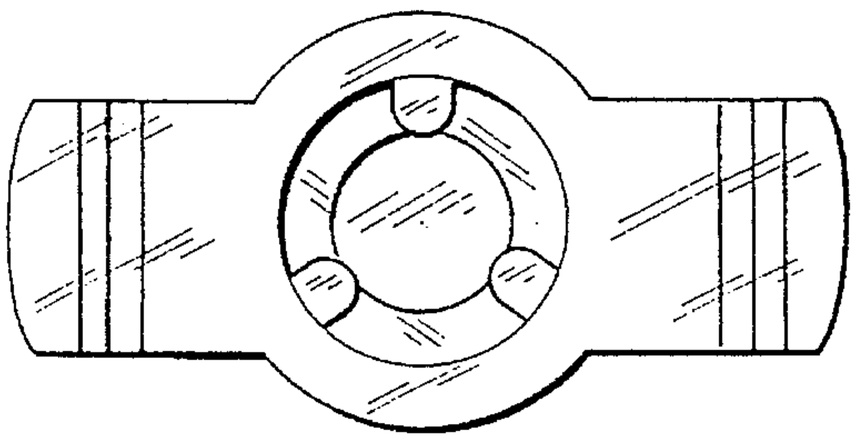


FIG. 17

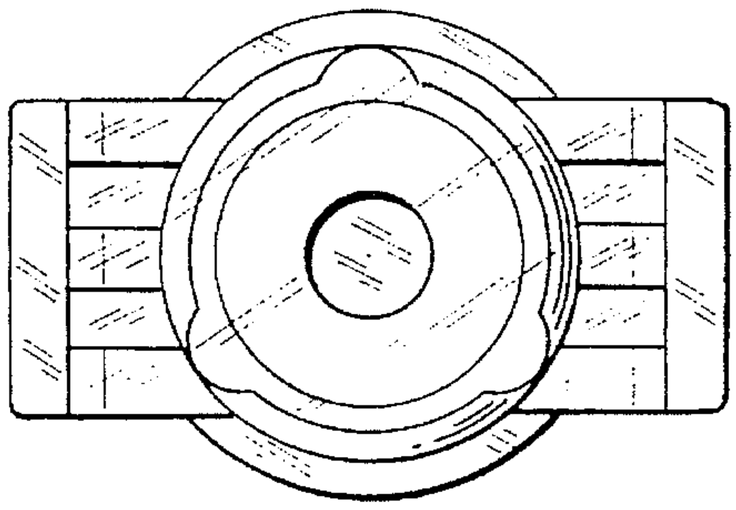


FIG. 18

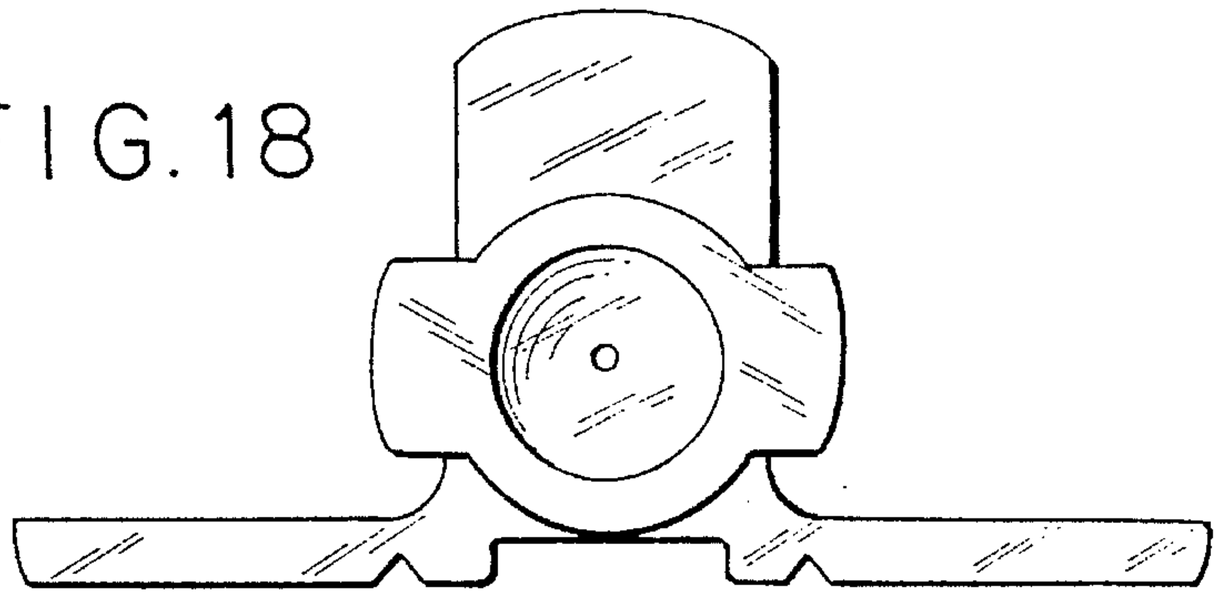


FIG. 19

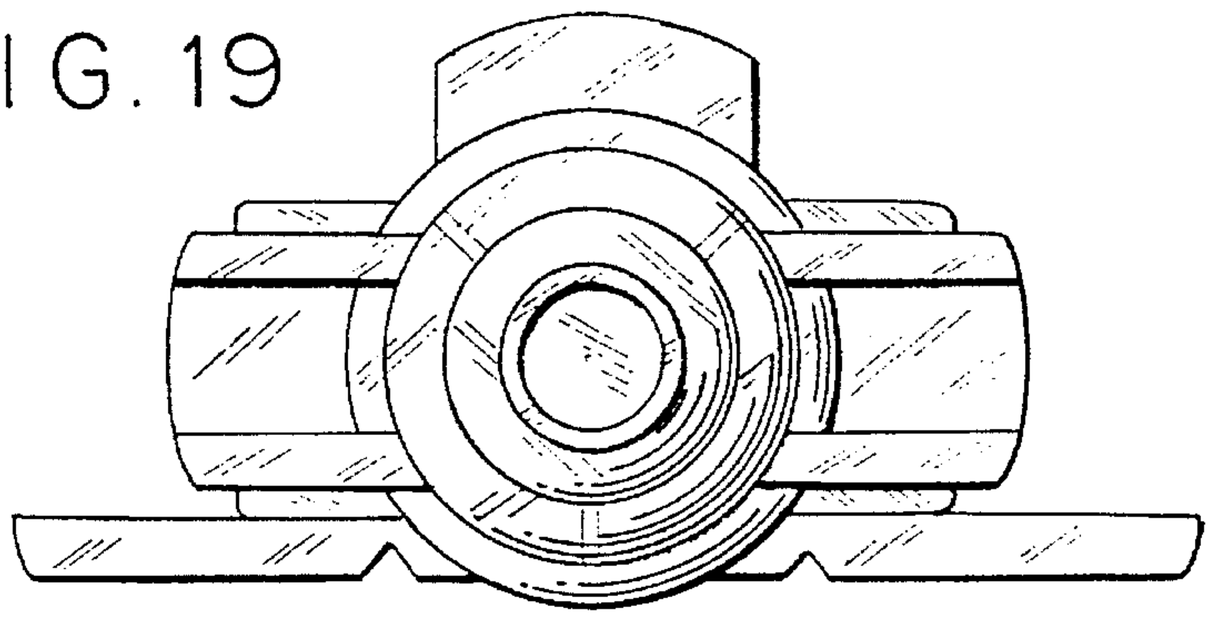


FIG. 20

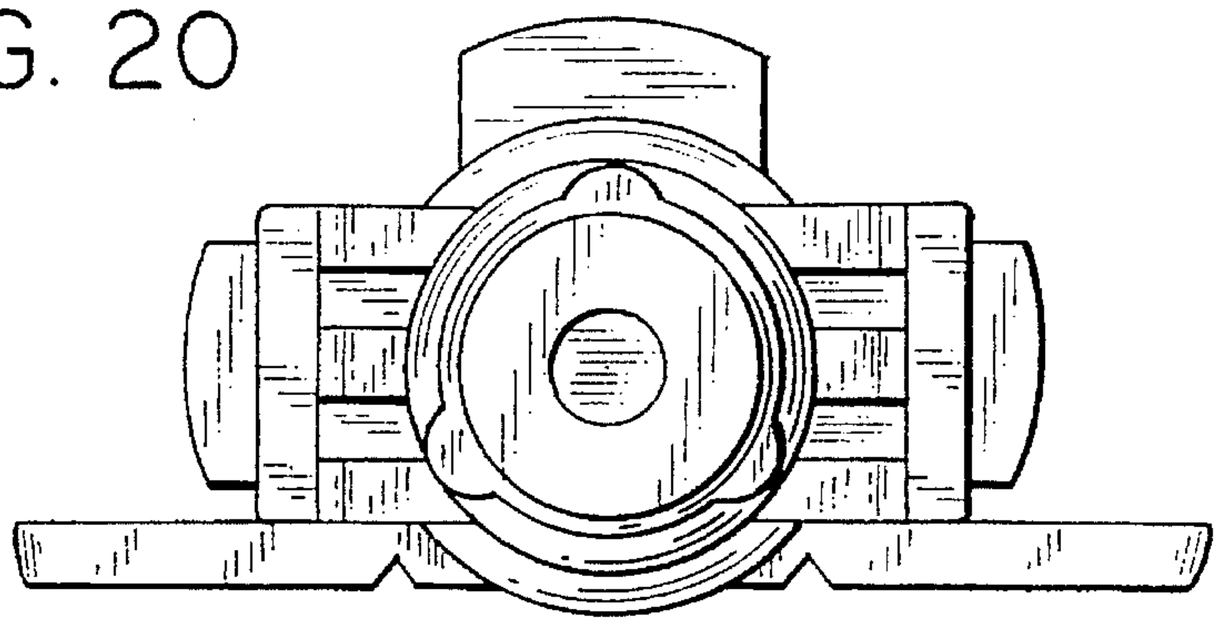


FIG. 21

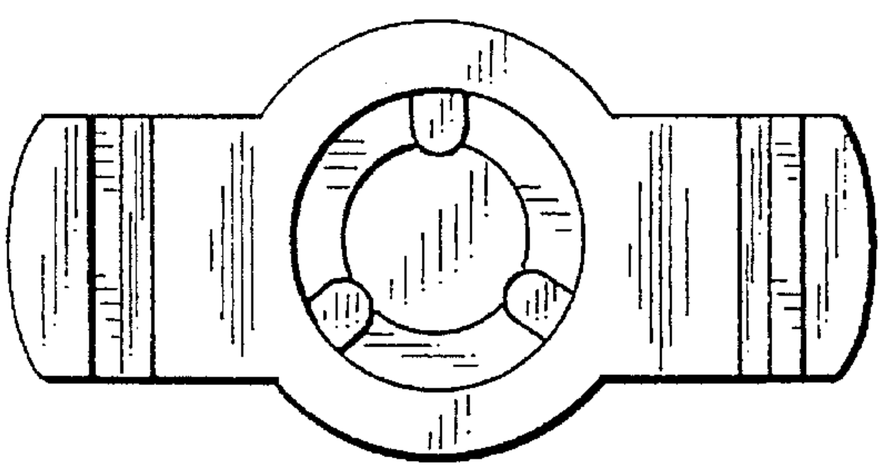


FIG. 22

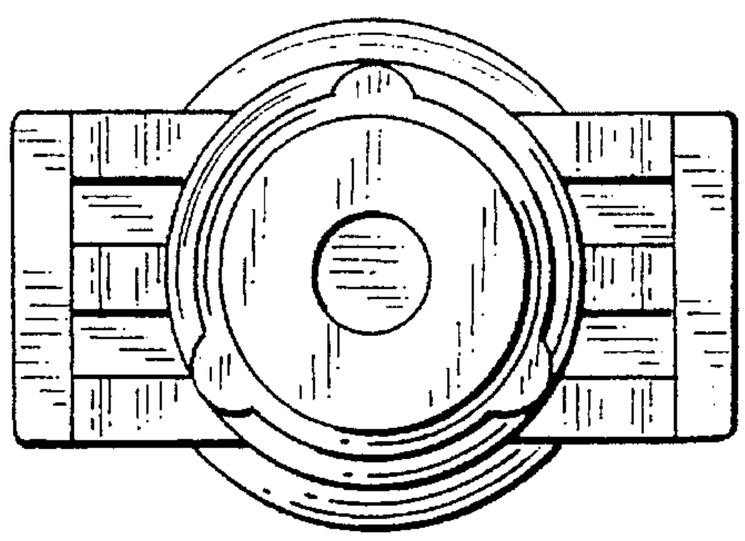


FIG. 23

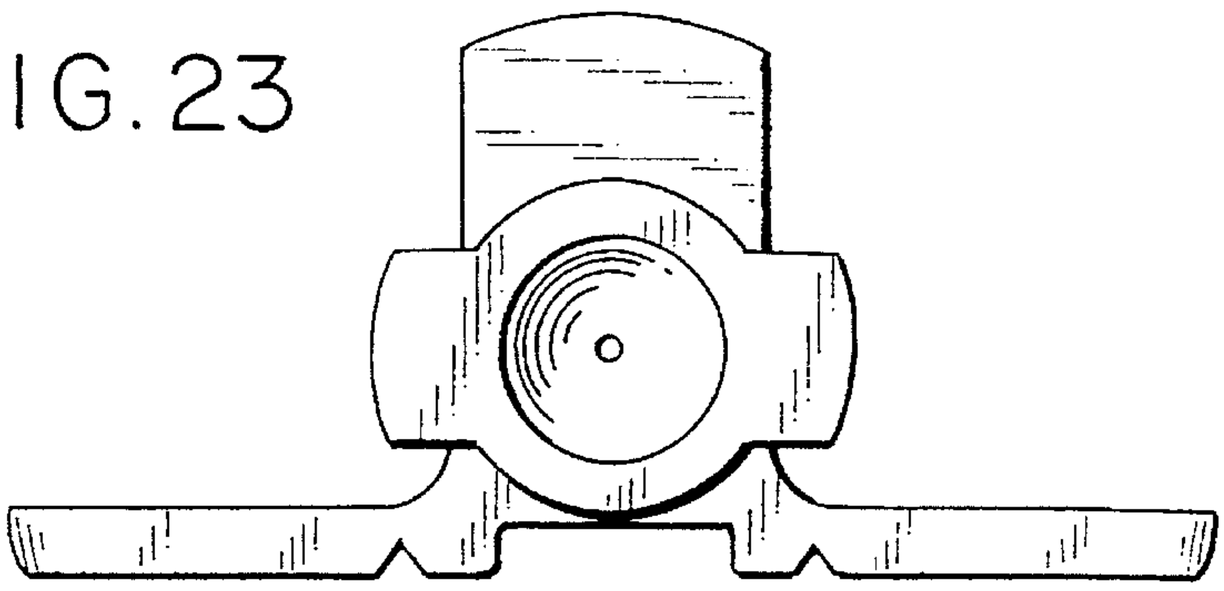


FIG. 24