US00D449887B1

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

(10) **Patent No.: US D449,887 S**
(45) **Date of Patent: ** Oct. 30, 2001**

(54) **COMBINED OBTURATOR, CANNULA AND VALVE ASSEMBLY**

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(73) Assignee: **Genicon LC**, Orlando, FL (US)

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

(21) Appl. No.: **29/117,520**

(22) Filed: **Jan. 26, 2000**

(51) **LOC (7) Cl.** **24-02**
(52) **U.S. Cl.** **D24/146**
(58) **Field of Search** D24/146; 604/164.1, 604/164.2, 165, 185, 192; 606/167, 184, 185

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(List continued on next page.)

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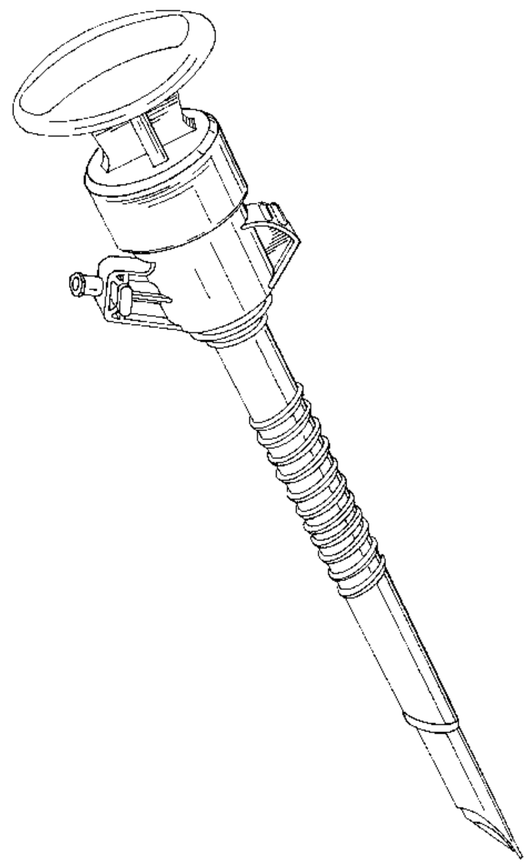
(57) **CLAIM**

The ornamental design for a combined obturator, cannula and valve assembly, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a combined obturator, cannula and valve assembly showing our new design new design;
FIG. **2** is a right side elevational view thereof;
FIG. **3** is a left 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 thereof;
FIG. **7** is a top plan thereof;
FIG. **8** is a perspective view of the Cannula and Valve Assembly showing our new design new design, with the Obturator removed;
FIG. **9** is a right side elevational view thereof;
FIG. **10** is a left side elevational view thereof;
FIG. **11** is a front elevational view thereof;
FIG. **12** is a rear elevational view thereof;
FIG. **13** is a top plan thereof;
FIG. **14** is a top plan thereof;
FIG. **15** is a perspective view of the Cannula showing our new design new design, with the Obturator and Valve removed;
FIG. **16** is a right side elevational view thereof;
FIG. **17** is a left side elevational view thereof;
FIG. **18** is a front elevational view thereof;
FIG. **19** is a rear elevational view thereof;
FIG. **20** is a top plan thereof;
FIG. **21** is a bottom plan thereof;
FIG. **22** is a perspective view of the Obturator showing our new design new design;
FIG. **23** is a right side elevational view thereof;
FIG. **24** is a front elevational view thereof;
FIG. **25** is an enlarged fragmentary elevational view of the tip portion, shown in an extended position;
FIG. **26** is a left side elevational view of FIG. **23**;
FIG. **27** is a rear elevational view thereof;
FIG. **28** is a top plan thereof;
FIG. **29** is a bottom plan thereof;
FIG. **30** is a perspective view of the valve showing our new design new design;
FIG. **31** is a top plan thereof;
FIG. **32** is a bottom plan thereof;
FIG. **33** is a front elevational view thereof, the rear elevational view being a mirror image thereto; and,
FIG. **34** is a right side elevational view thereof, the left side elevational view being a mirror image thereto.

1 Claim, 13 Drawing Sheets



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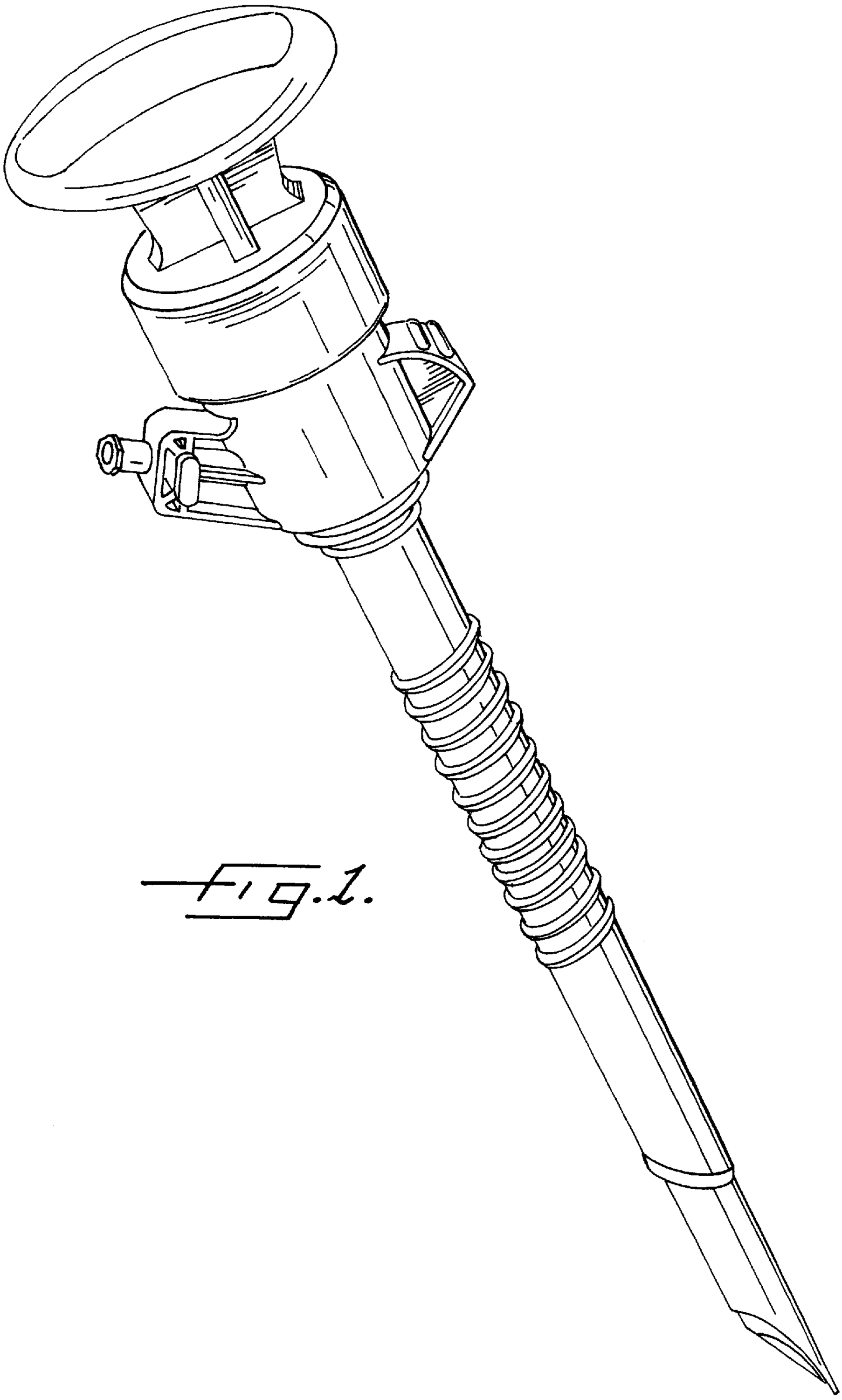


Fig. 1.

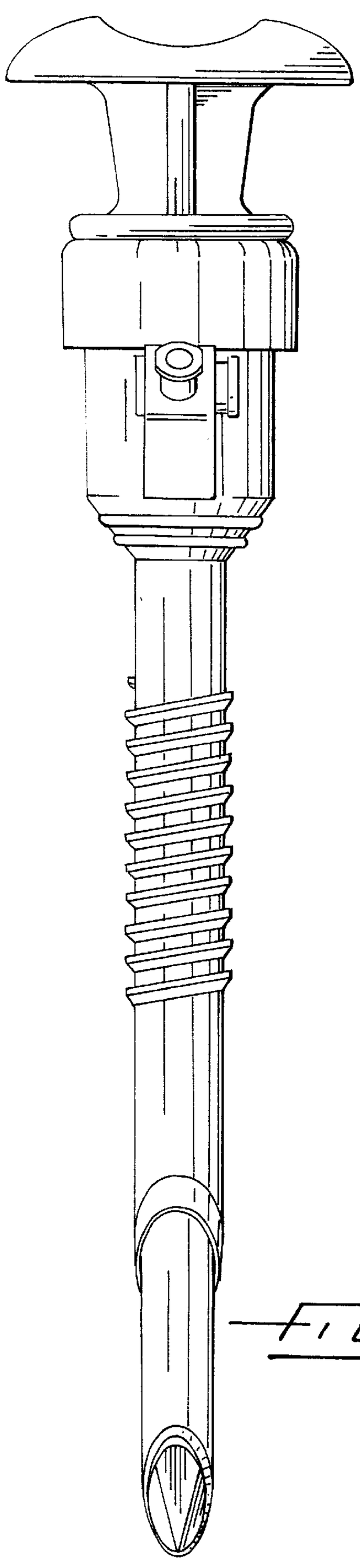
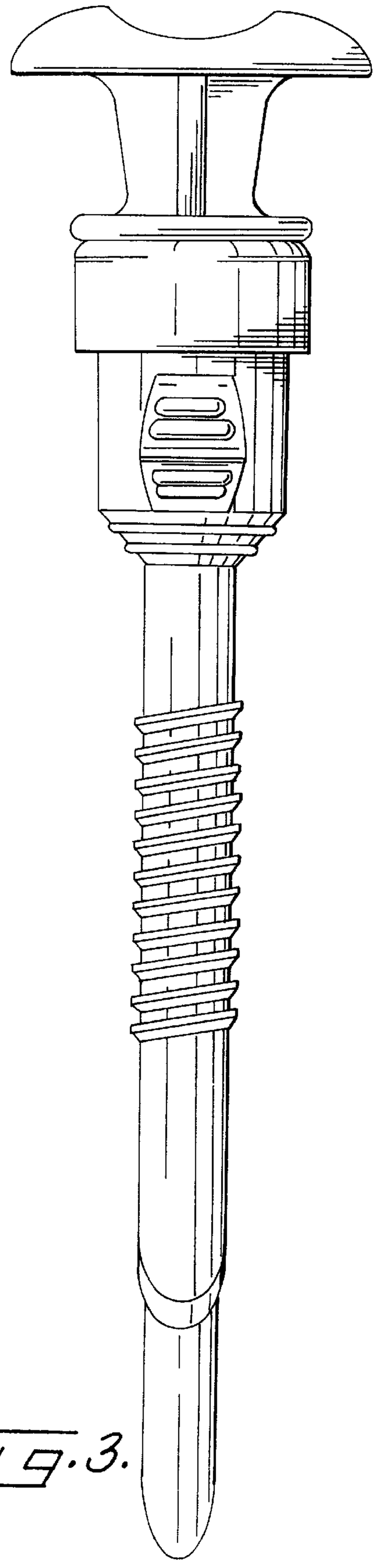


Fig.2.



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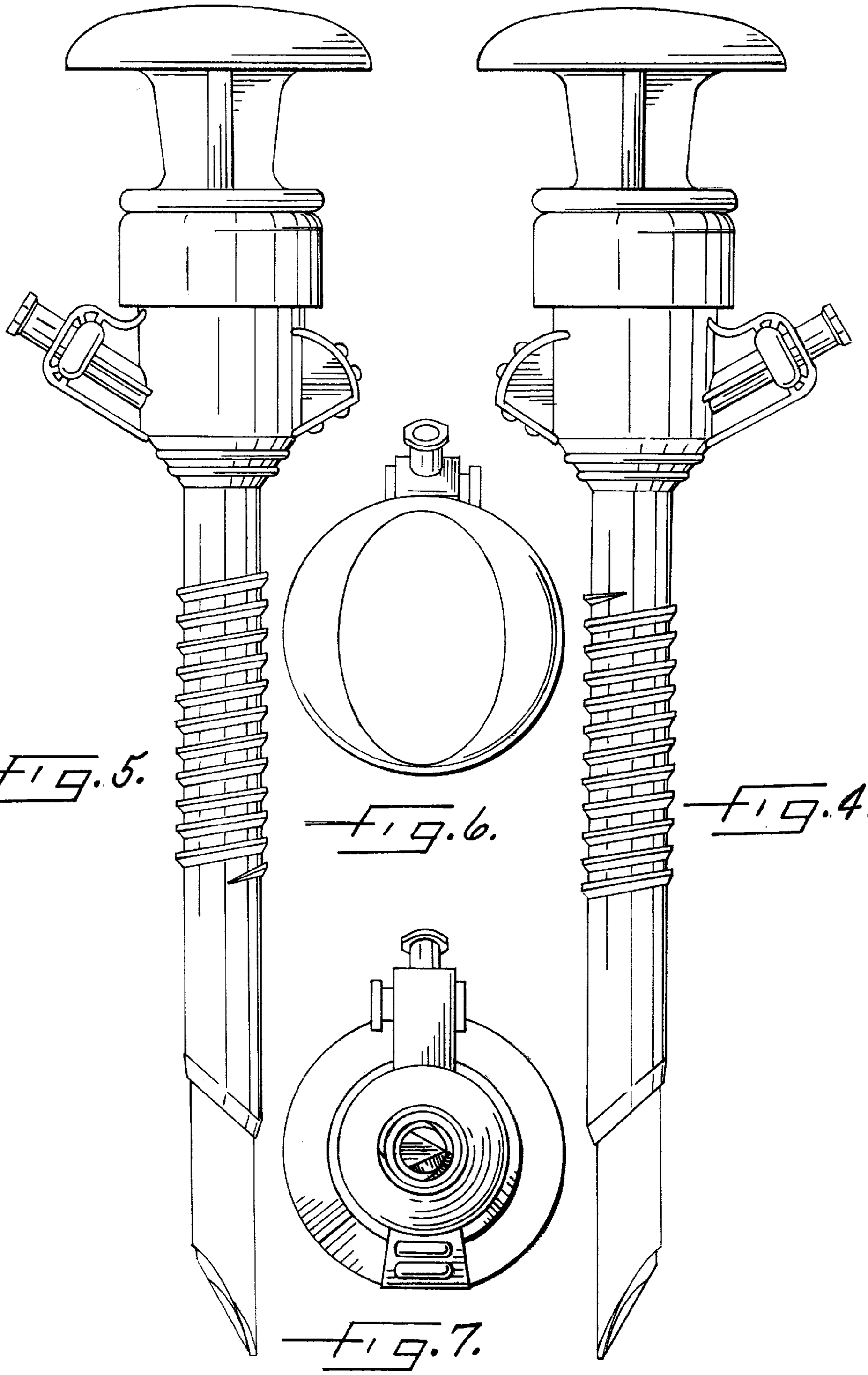


Fig. 5.

Fig. 6.

Fig. 4.

Fig. 7.

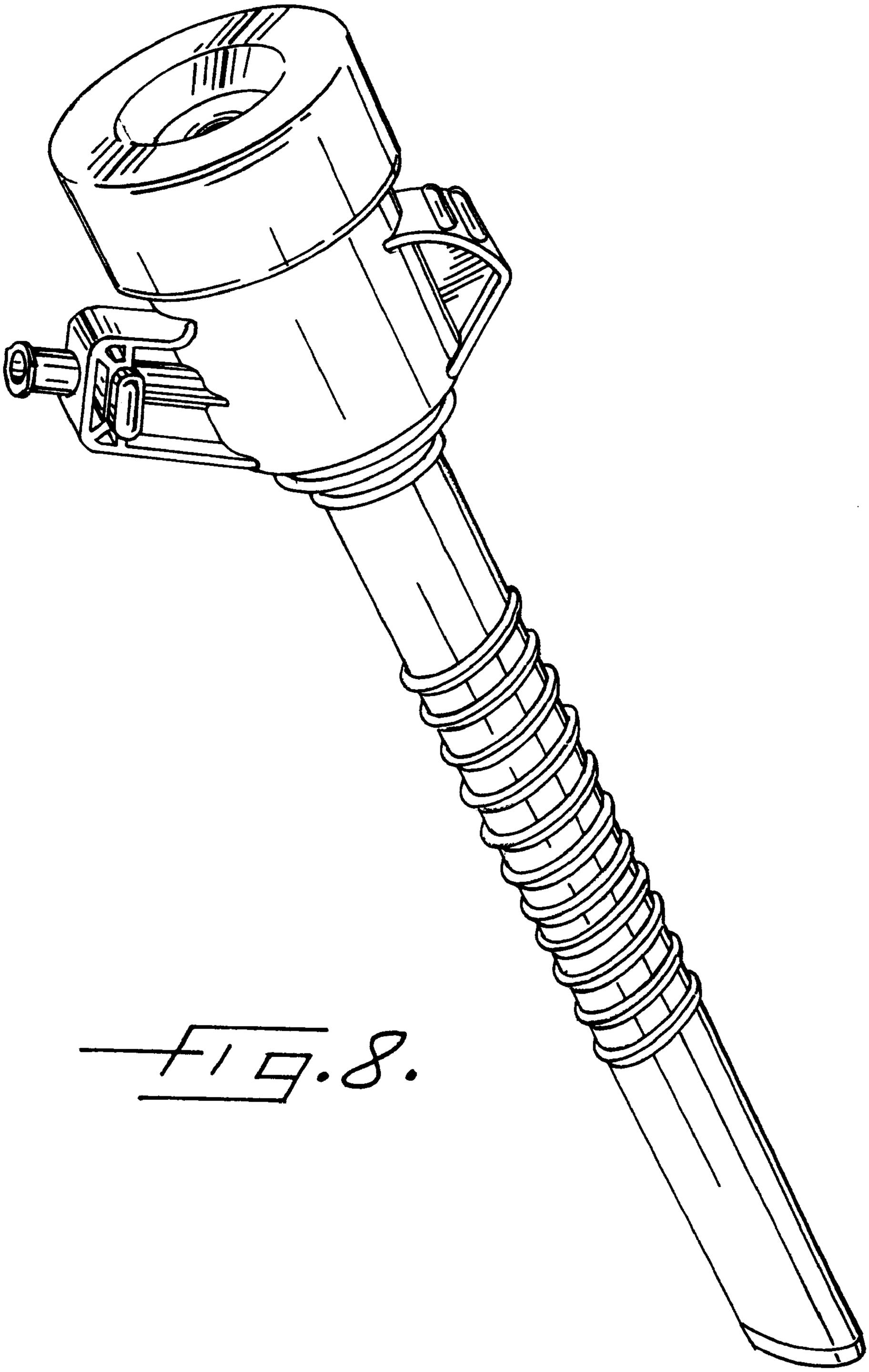


FIG. 8.

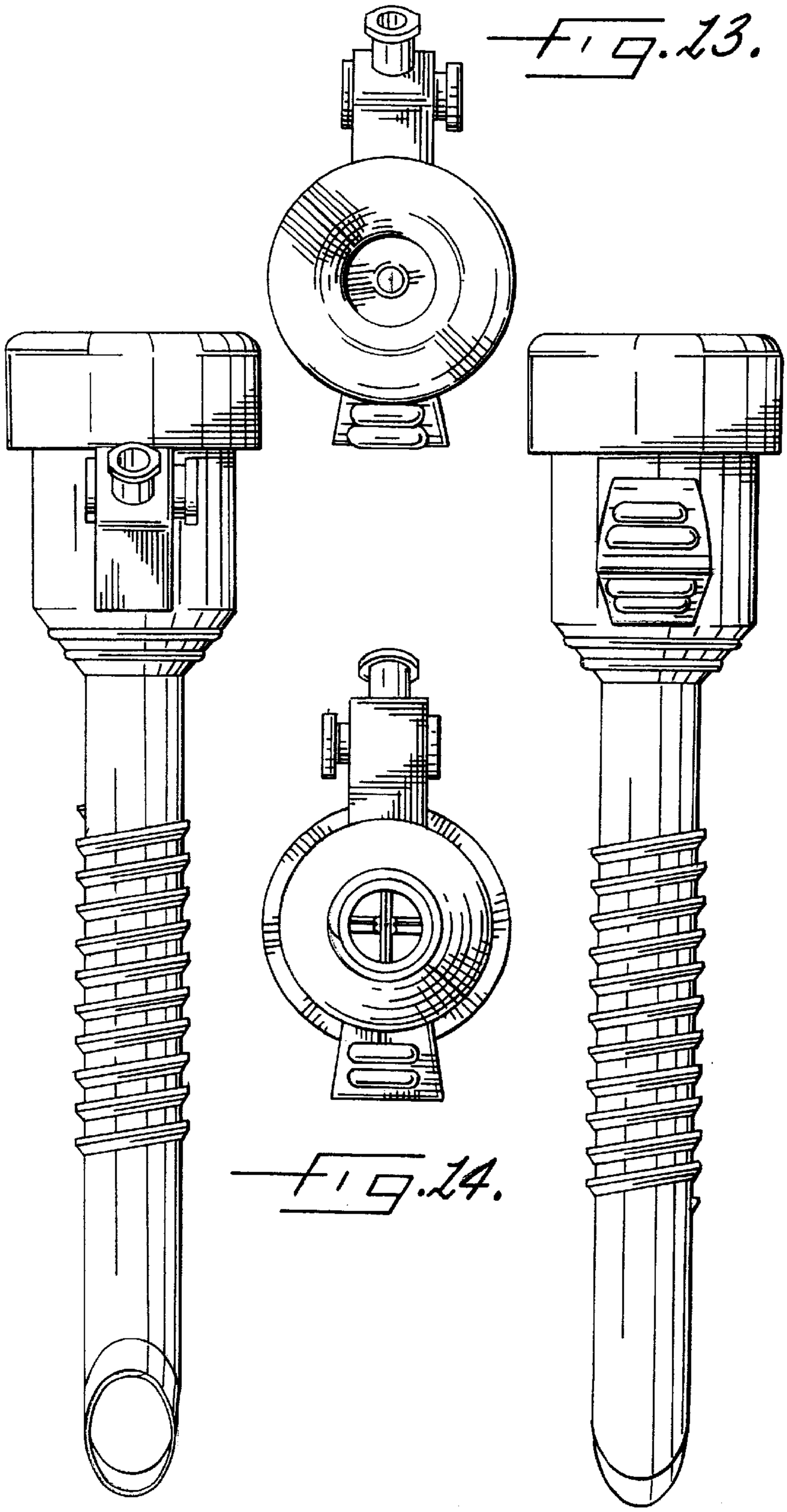


Fig. 13.

Fig. 14.

Fig. 9.

Fig. 10.

Fig. 11.

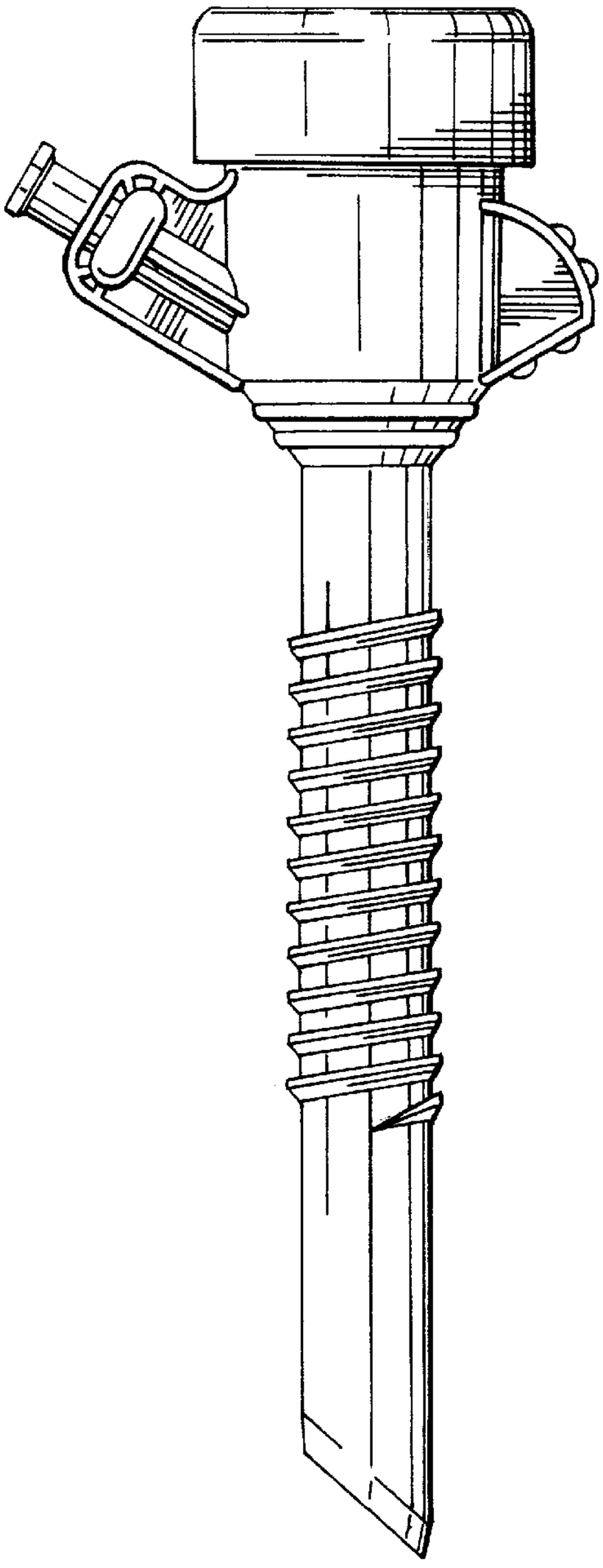
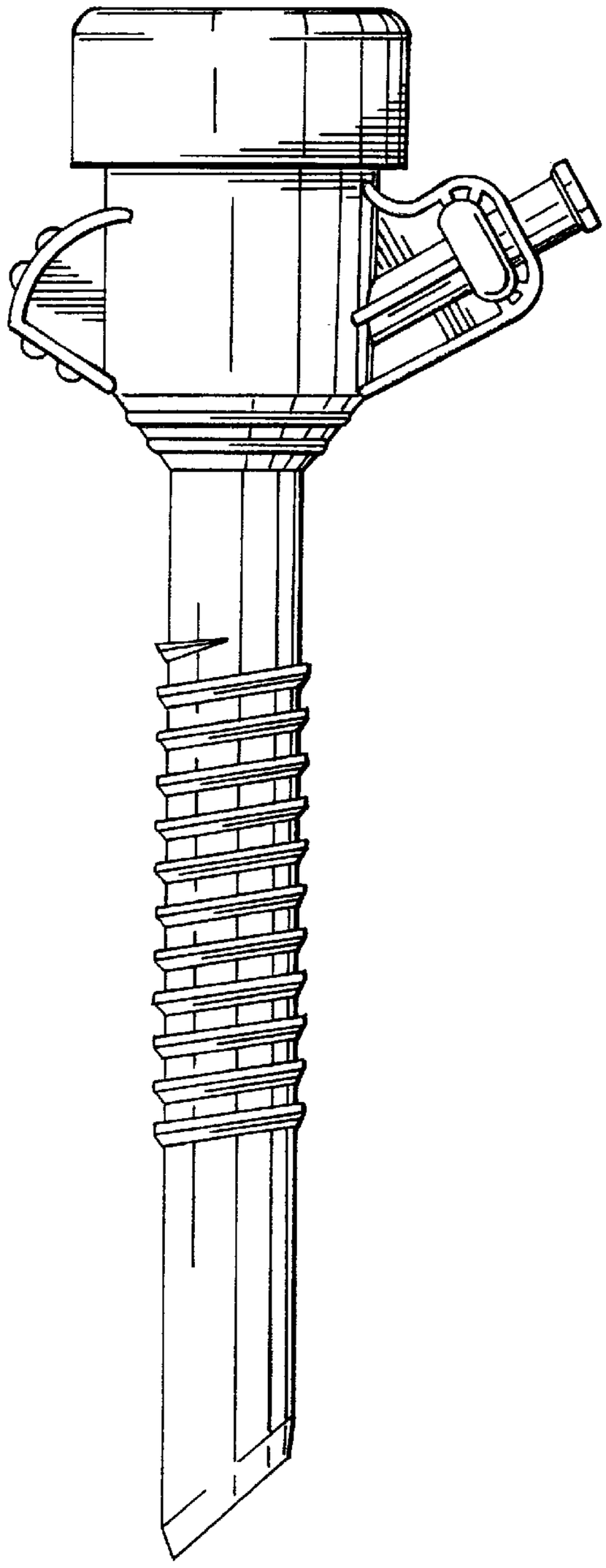


Fig. 12.



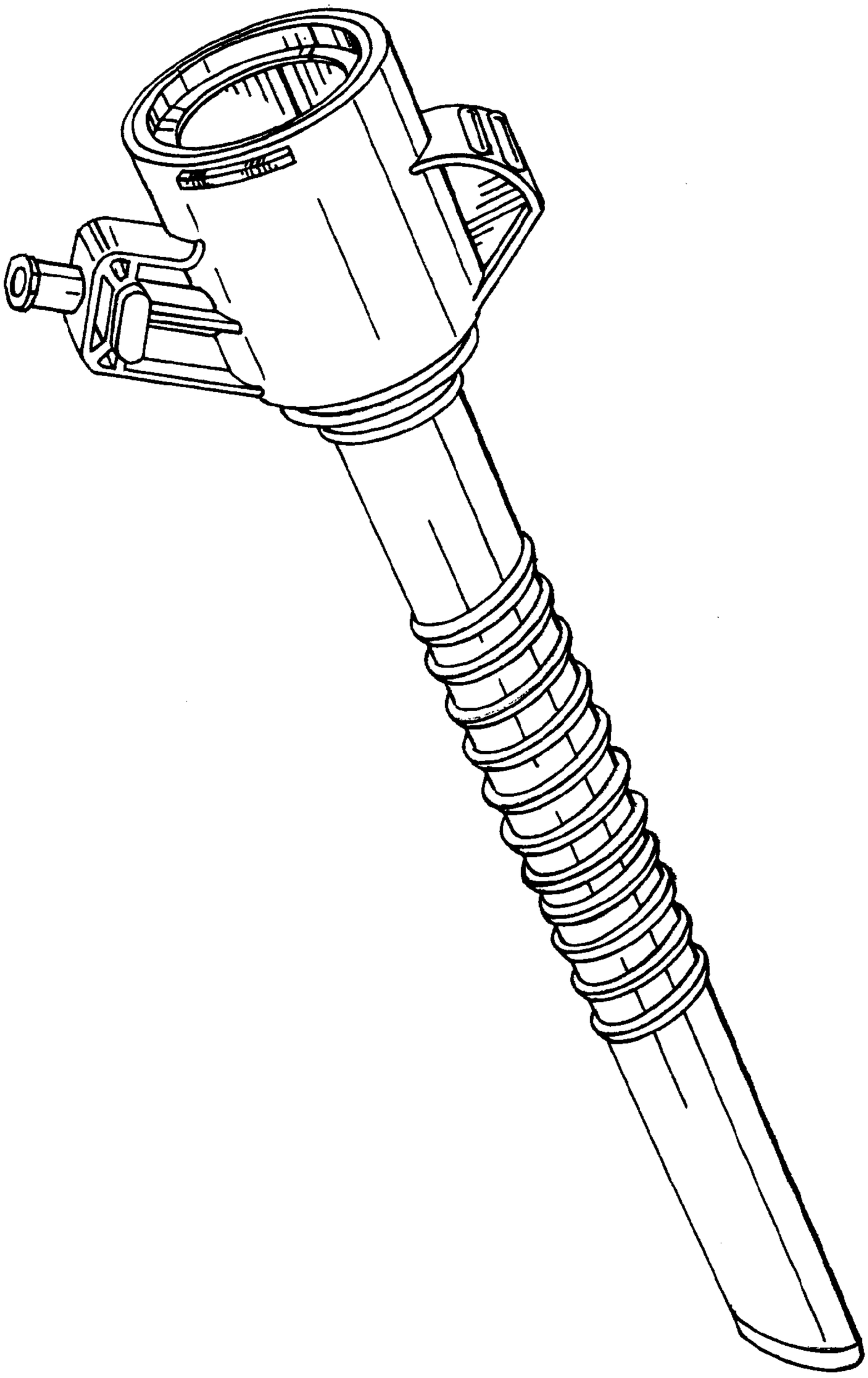


FIG. 15.

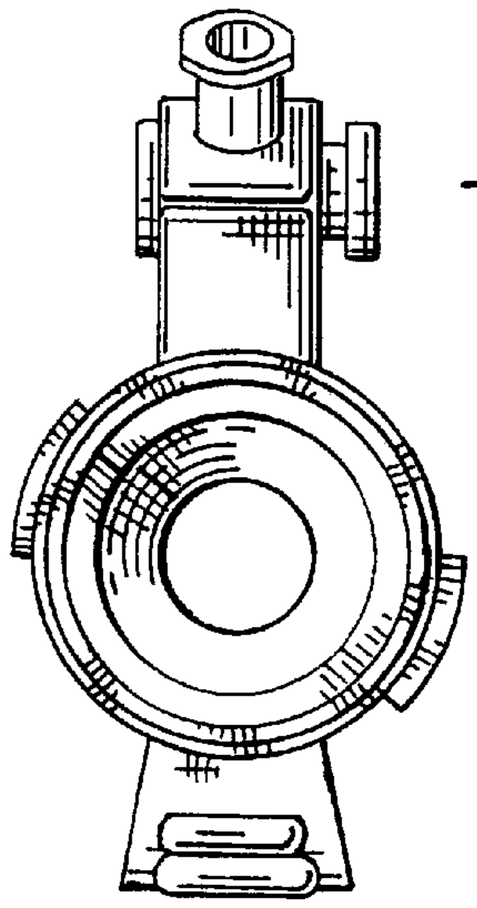
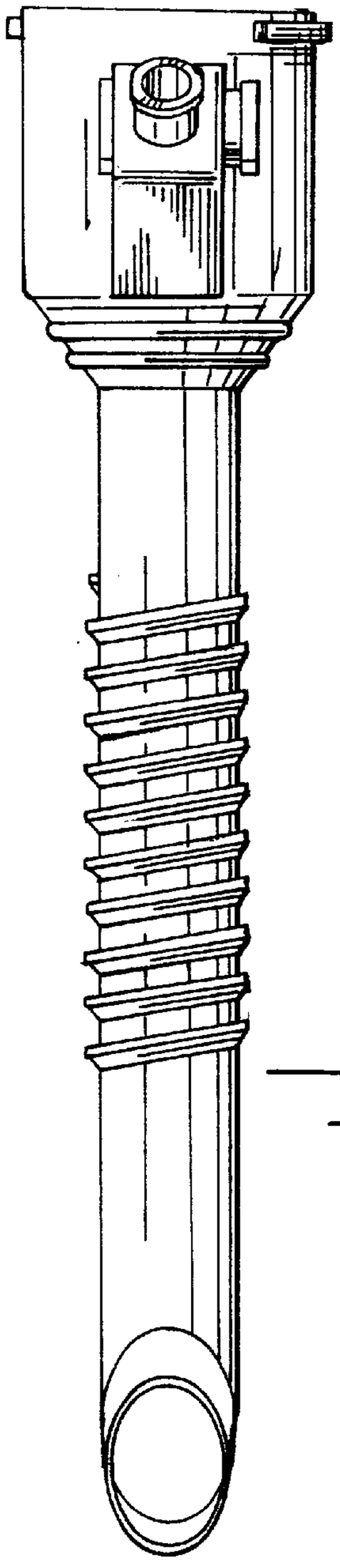
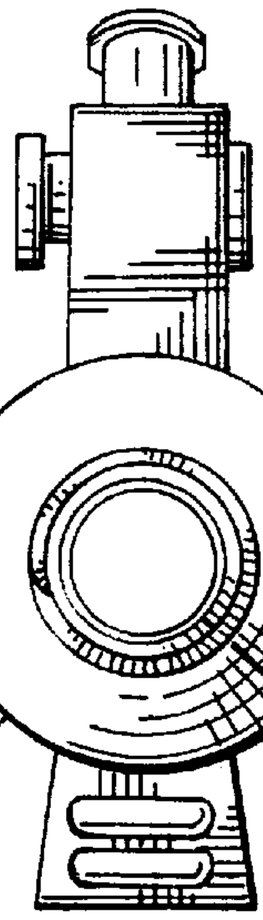


Fig. 20.

Fig. 16.





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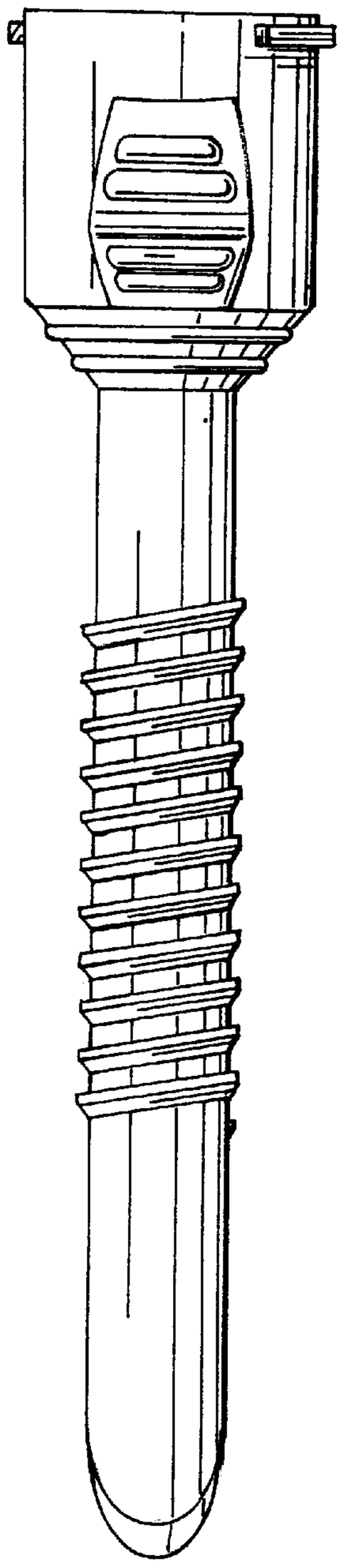

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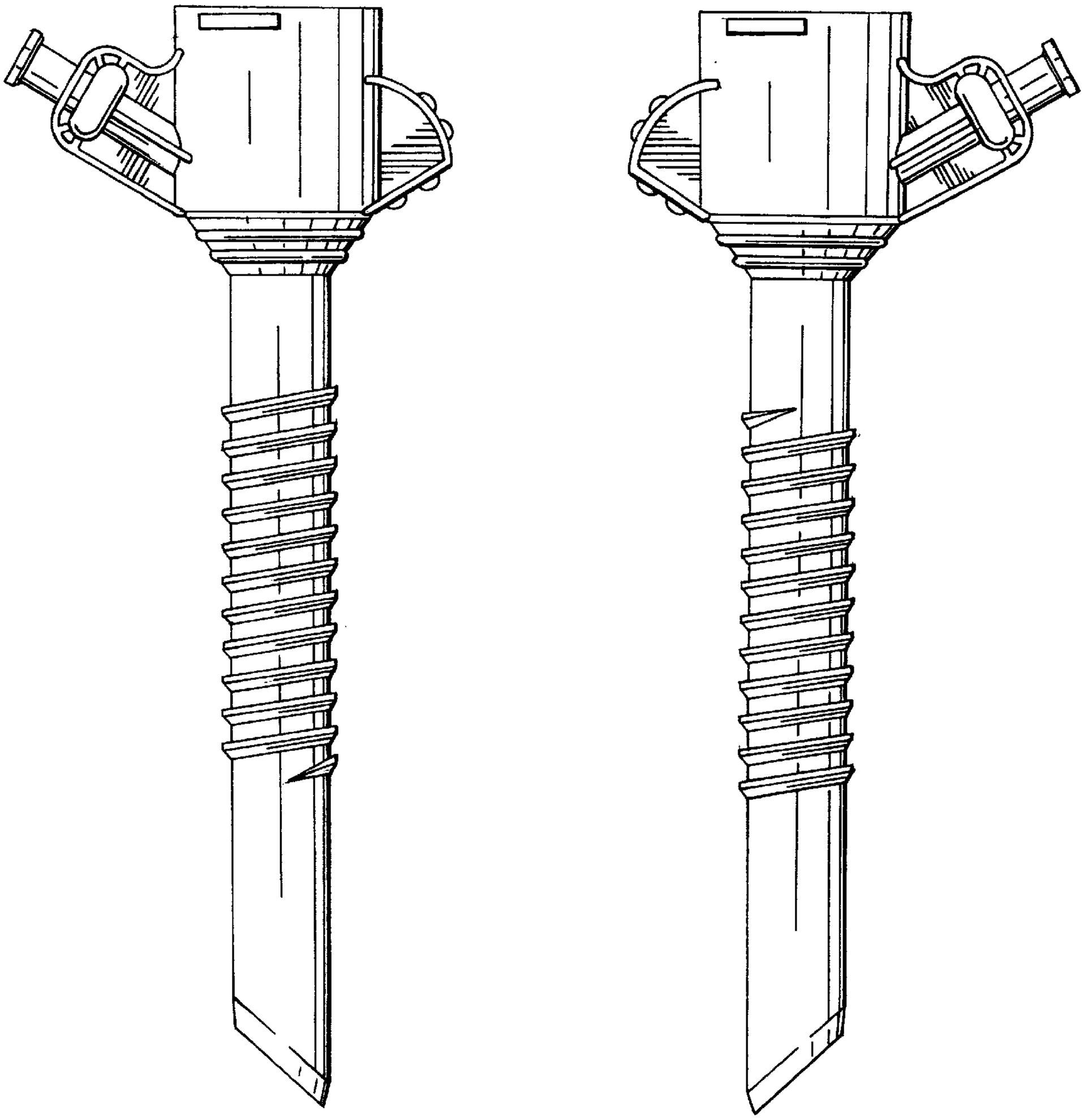


FIG. 18.

FIG. 19.

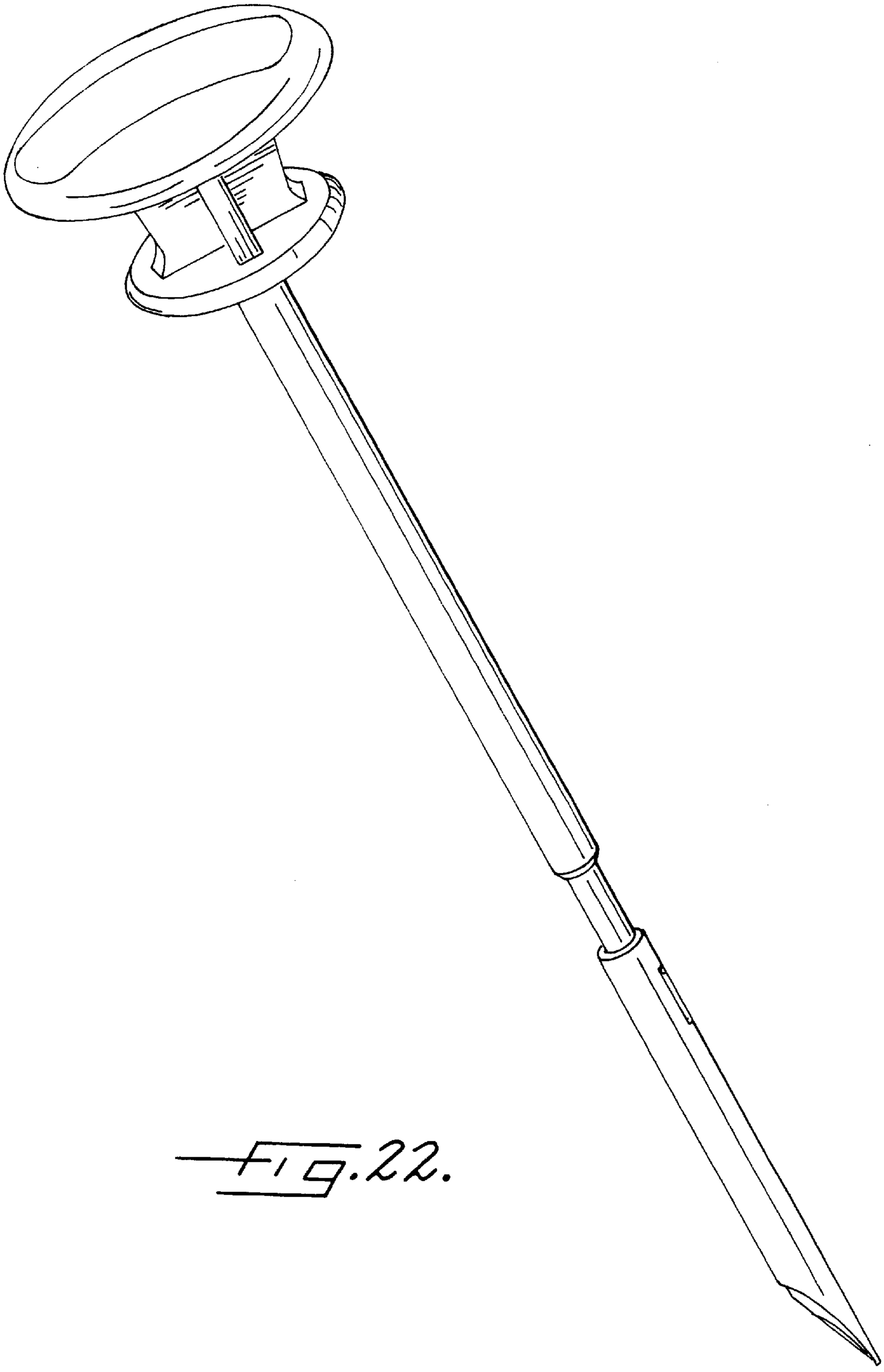


Fig. 22.

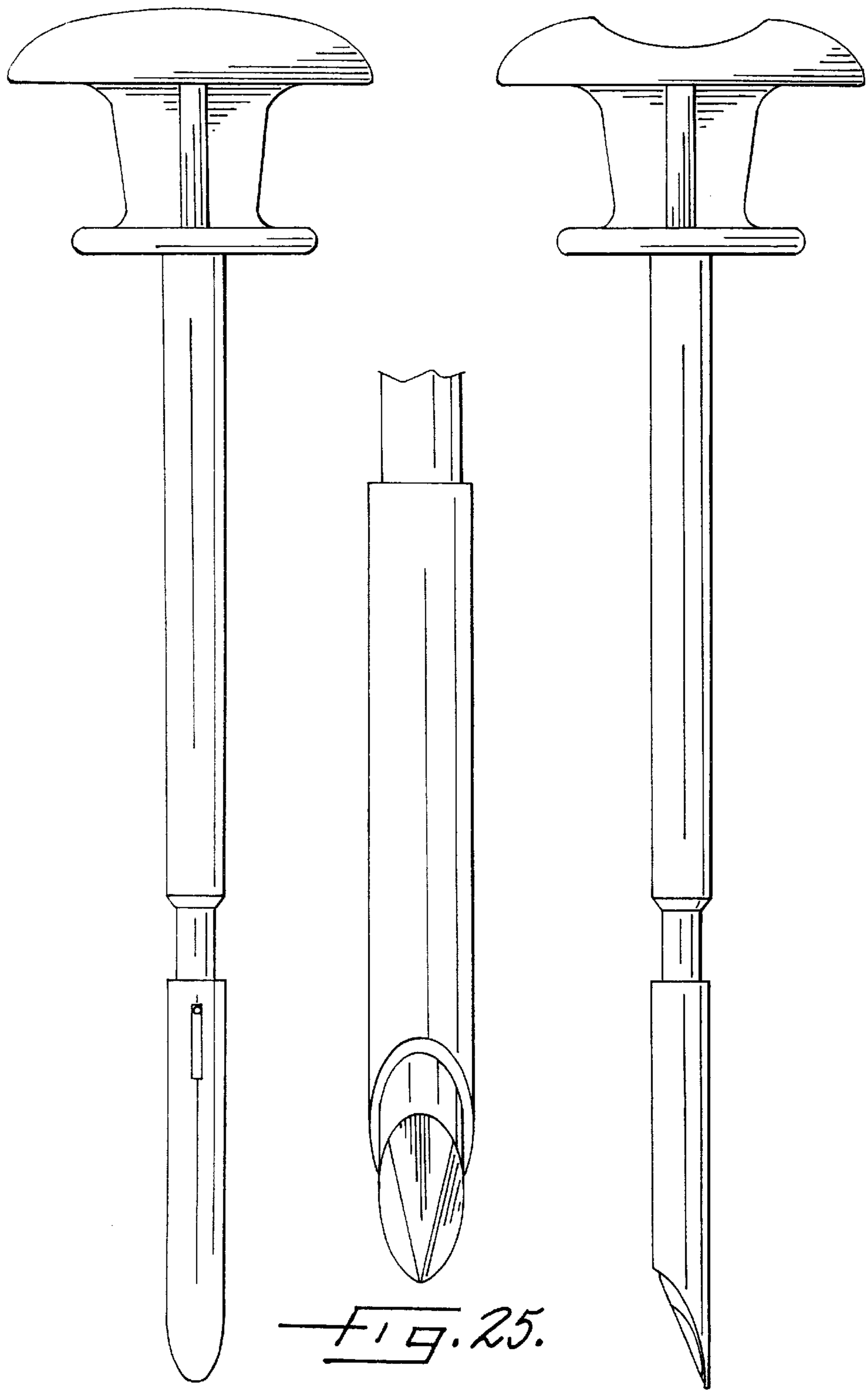


Fig. 25.

Fig. 24.

Fig. 23.

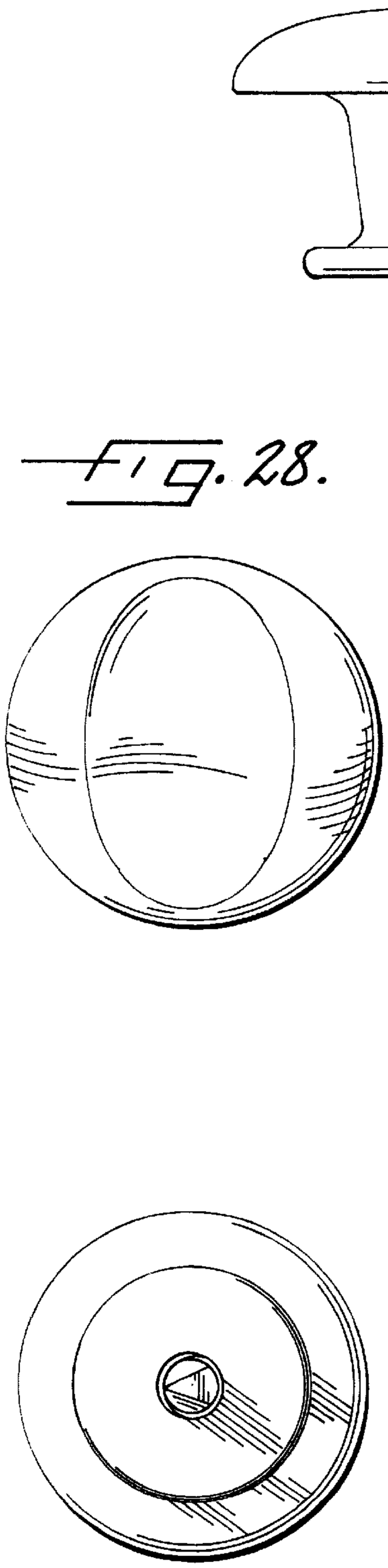


Fig. 28.

Fig. 29.

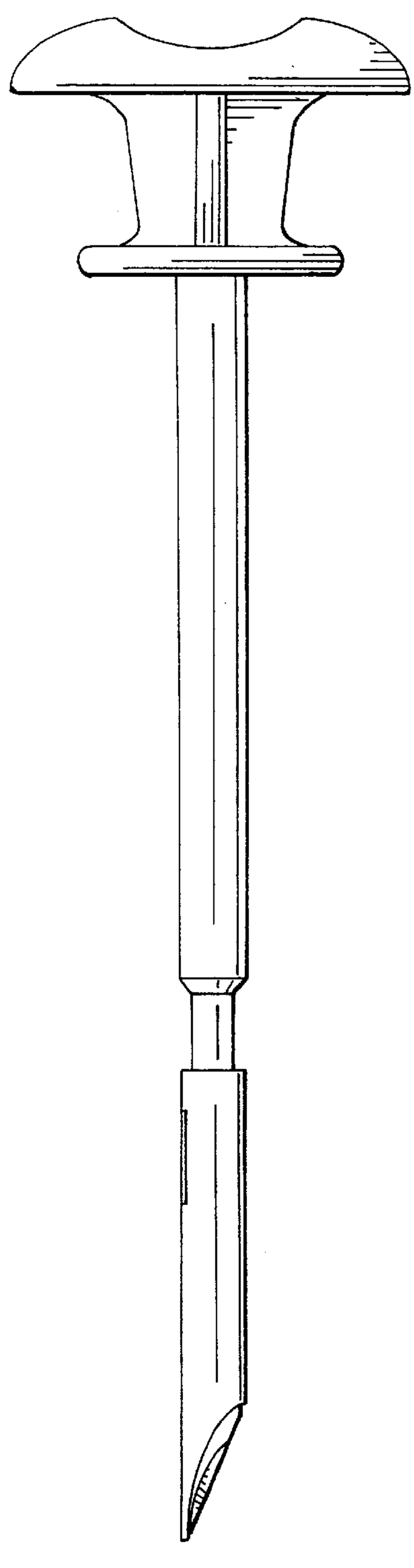
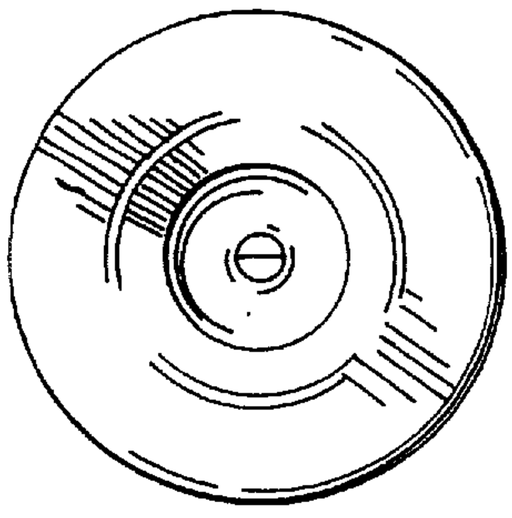


Fig. 27.

Fig. 26.



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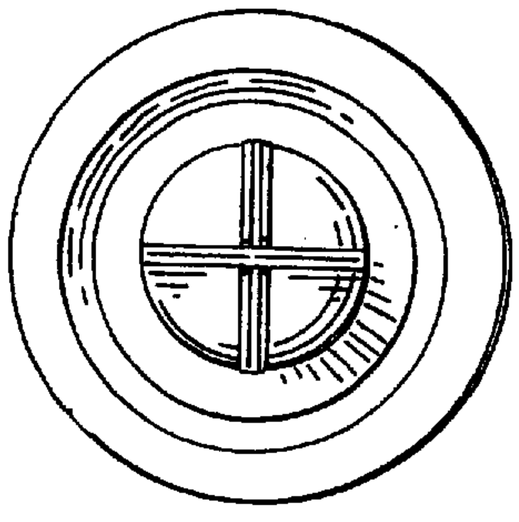

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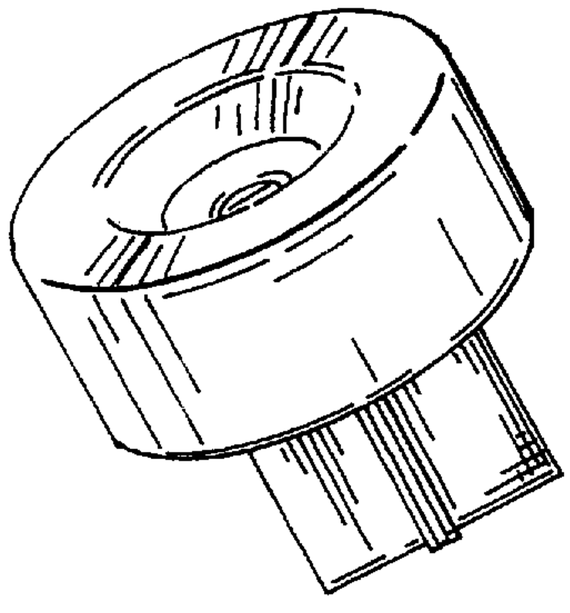

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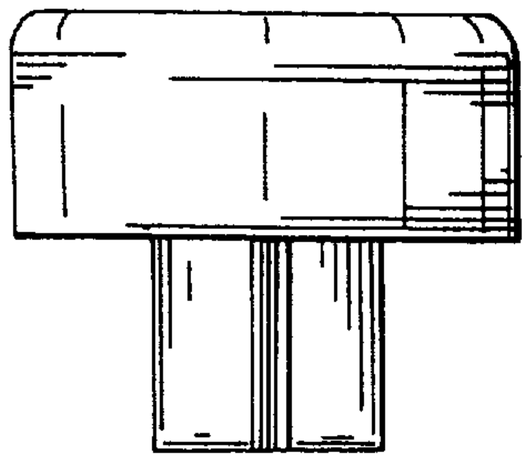

Fig. 33.

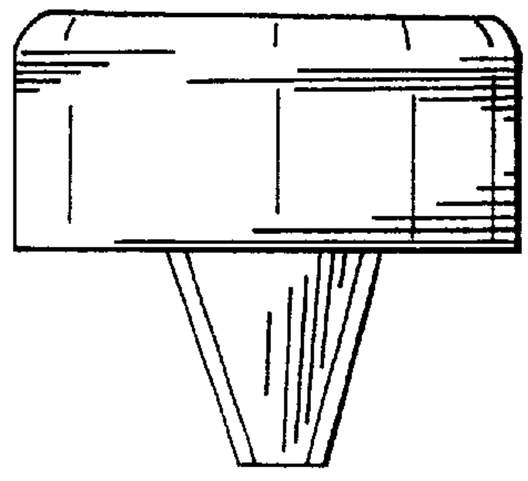

Fig. 34.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : Des. 449,887 S
DATED : October 30, 2001
INVENTOR(S) : Haberland et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,
DESCRIPTION,
Fig. 1, please delete the first "new design"
Figs. 7 and 14, please delete "top" and insert -- bottom -- therefor.
Figs. 8, 15, 22 and 30, please delete the second "new design"

Signed and Sealed this

Nineteenth Day of August, 2003

JAMES E. ROGAN
Director of the United States Patent and Trademark Office