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Stammberger

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(45) Date of Patent:

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PUNCH FOR USE WITH MEDICAL **INSTRUMENT**

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14 Years Term:

Appl. No.: 29/227,701

Apr. 14, 2005 Filed:

Foreign Application Priority Data (30)

(21)		• ······ 24-02
(52)	HC CL	D24/146, D24/147, D24/122

U.S. Cl. D24/146; D24/147; D24/133

(58)D24/147, 133; 606/170, 208, 205 See application file for complete search history.

(56)**References Cited**

U.S. PATENT DOCUMENTS

5,582,618	A		12/1996	Chin et al 606/170
5,766,177	A		6/1998	Lucas-Dean et al 606/83
D465,281	S	*	11/2002	Lang
6,500,189	B1		12/2002	Lang et al 606/170
D498,300	S	*	11/2004	Karl-Heinz D24/146
D505,725	S	*	5/2005	Karl-Heinz D24/146
2002/0143354	$\mathbf{A}1$		10/2002	Lang 606/167
2005/0038469	A1	*	2/2005	Lang 606/207

FOREIGN PATENT DOCUMENTS

DE	849 592	9/1952
DE	67 204	6/1969
DE	103 42 002 A1	4/2005
EP	0 614 647 A2	9/1994
EP	1 055 397 B1	11/2000
GB	2 198 950 A	6/1988
WO	WO 2005/023122	3/2005

^{*} cited by examiner

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(57)**CLAIM**

The ornamental design for a punch for use with medical instrument, as shown and described.

DESCRIPTION

FIG. 1 is a side view of the medical punch in a first operating state, where the tool is open;

FIG. 2 is a side view of the medical punch in a second operating state, where the tool is closed;

FIG. 3 is an enlarged view of a distal portion of the medical punch of FIG. 1 in a side view in the first operating state according to FIG. 1;

FIG. 4 is an enlarged view of the distal portion of the medical punch of FIG. 2 in a side view in the second operating state according to FIG. 2;

FIG. 5 is a side view in a first operating state where the tool is open;

FIG. 6 is a side view in a second operating state where the tool is closed;

FIG. 7 is a view rotated by about 90° with respect to FIG. **5**;

FIG. 8 is a view rotated by about 90° with respect to FIG. **6**;

FIG. 9 is a perspective front view in the first operating state; and

FIG. 10 is a perspective rear side view in the first operating state;

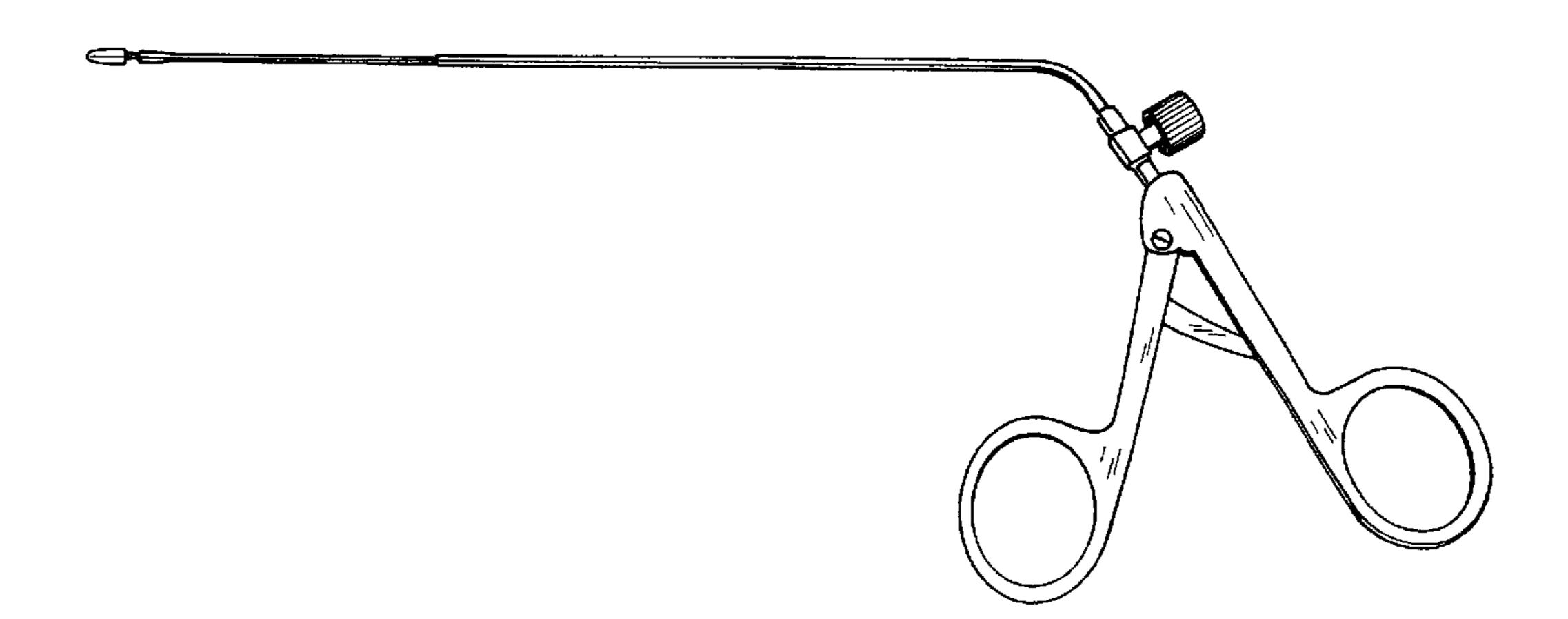
FIG. 11 is a side view of the medical punch in a first operating state where the tool is open;

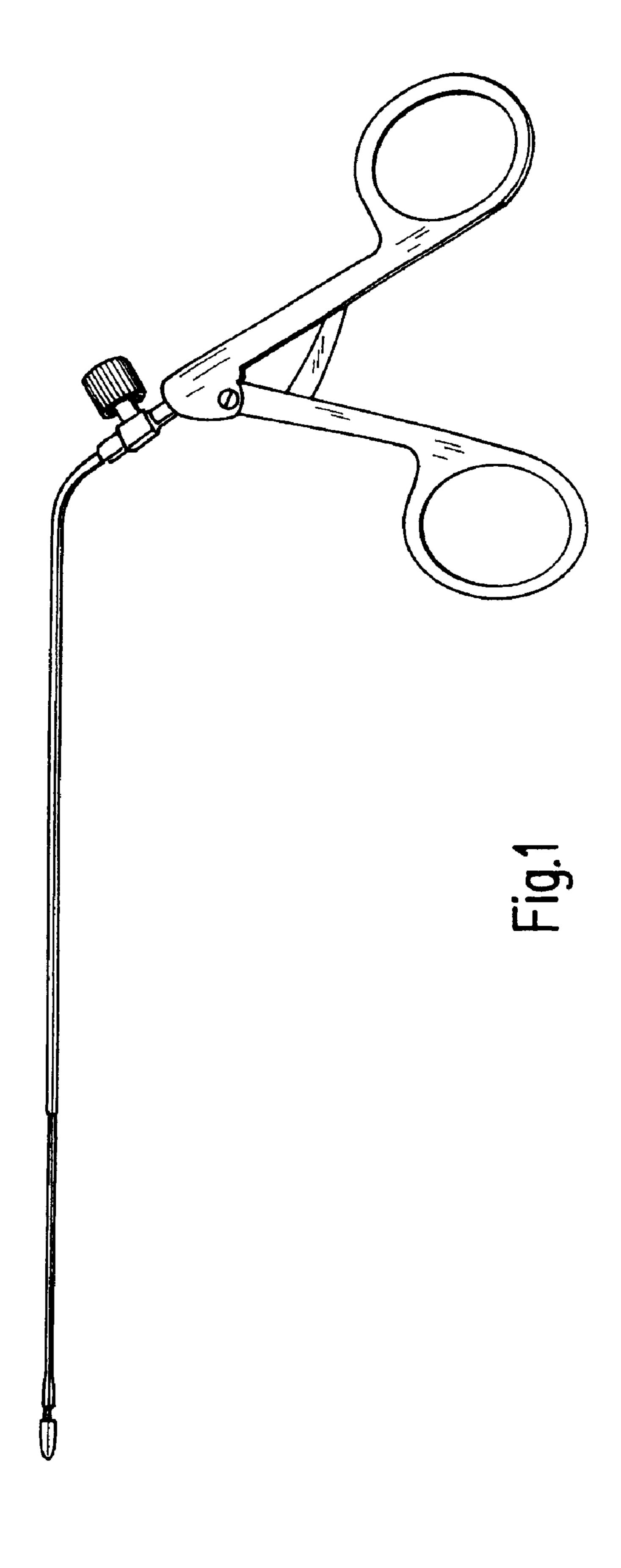
FIG. 12 is a side view of the medical punch in a second operating state, where the tool is closed;

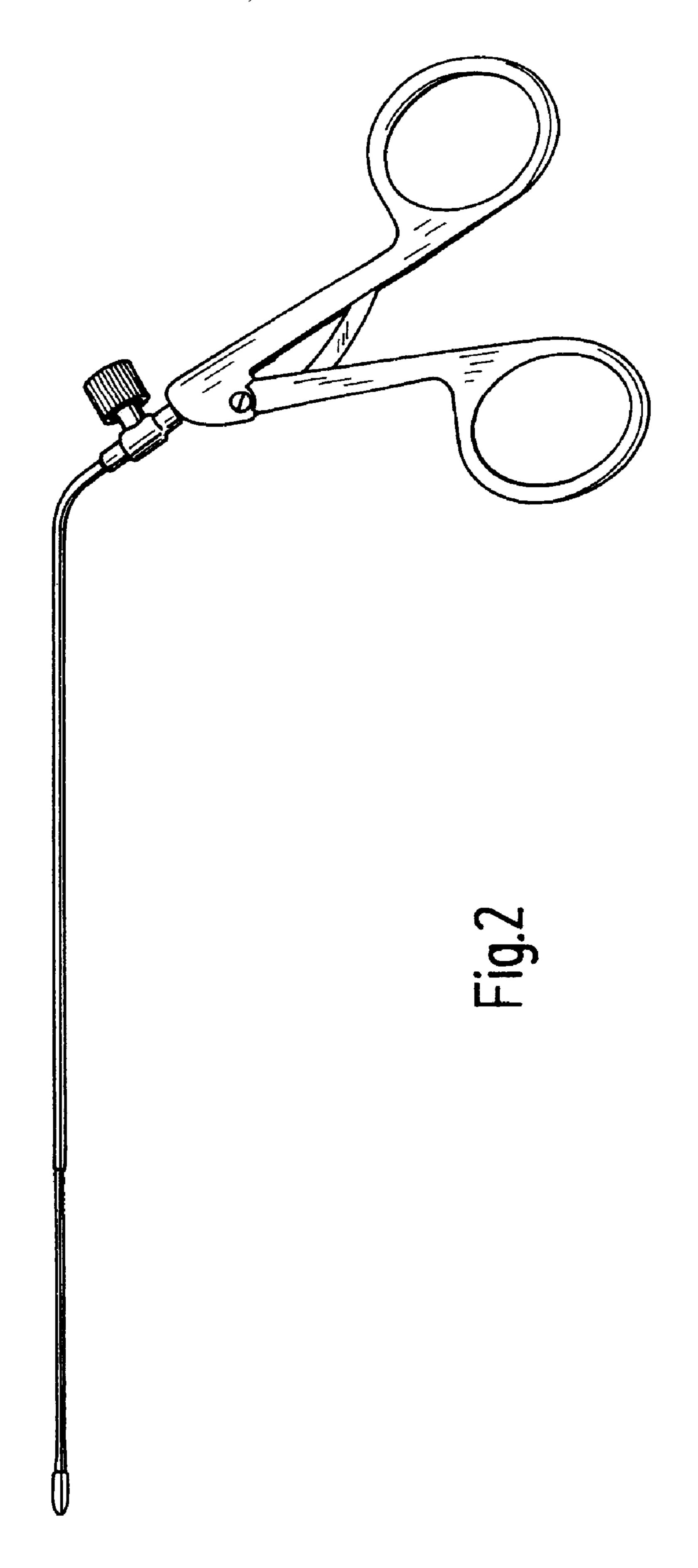
FIG. 13 is a side view of the distal portion of the shaft and the tool in the first operating state according to FIG. 11 in enlarged scale; and,

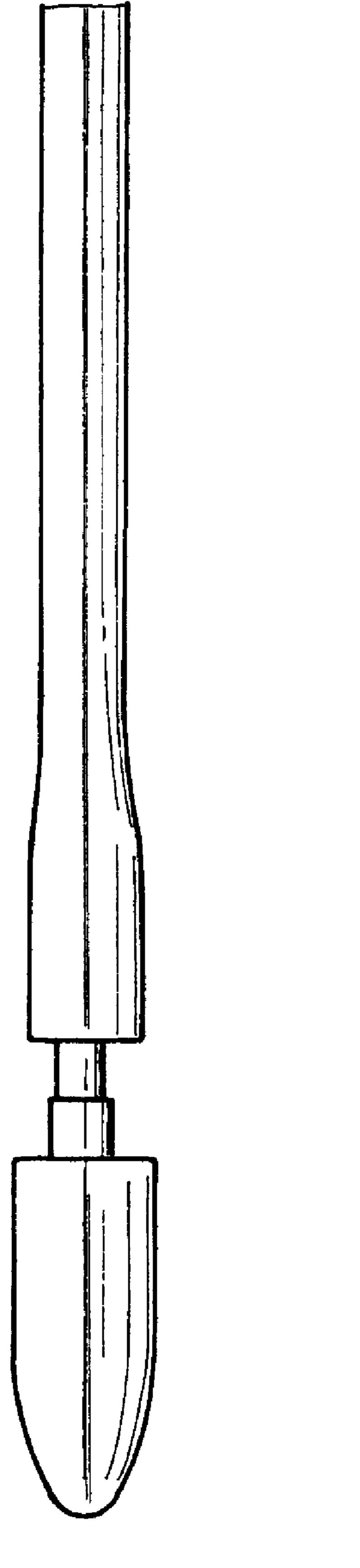
FIG. 14 is a side view of the distal portion of the shaft and the tool in the second operating state according to FIG. 12 in enlarged scale.

1 Claim, 14 Drawing Sheets

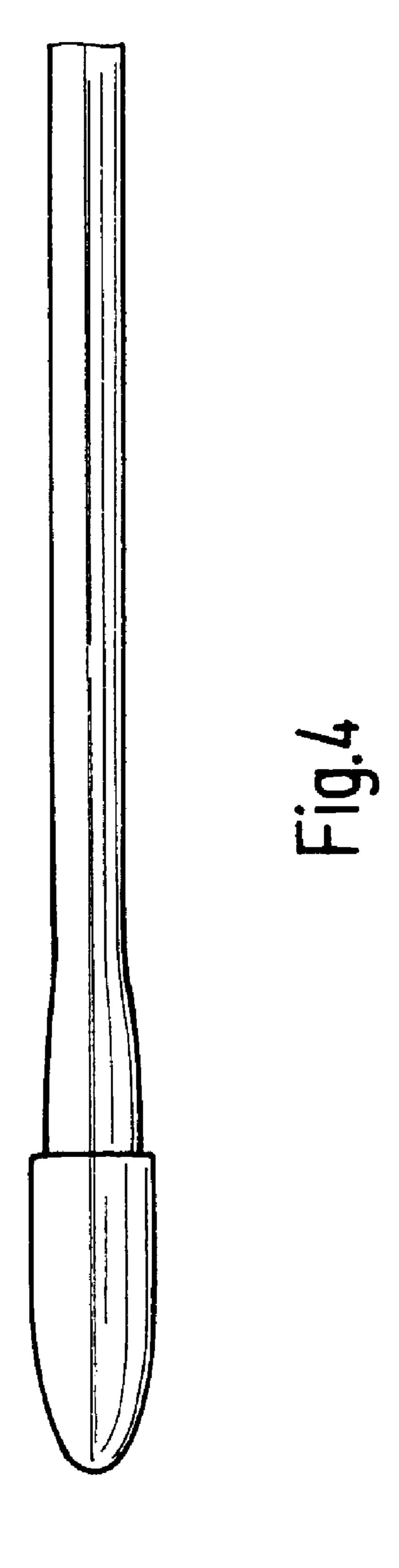


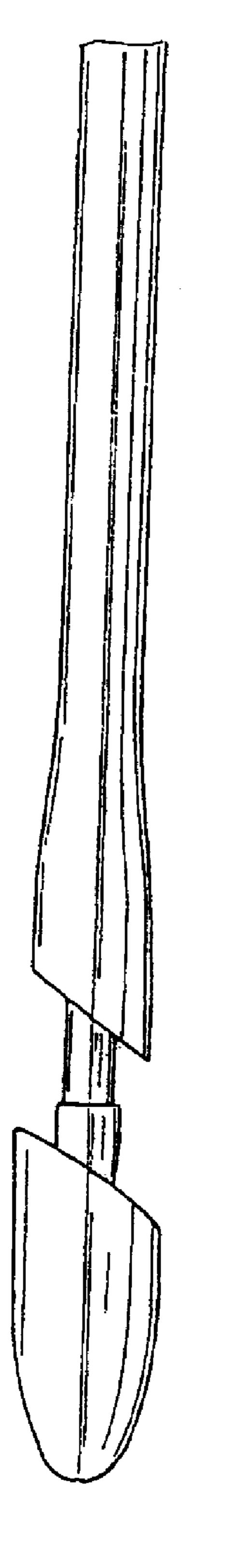






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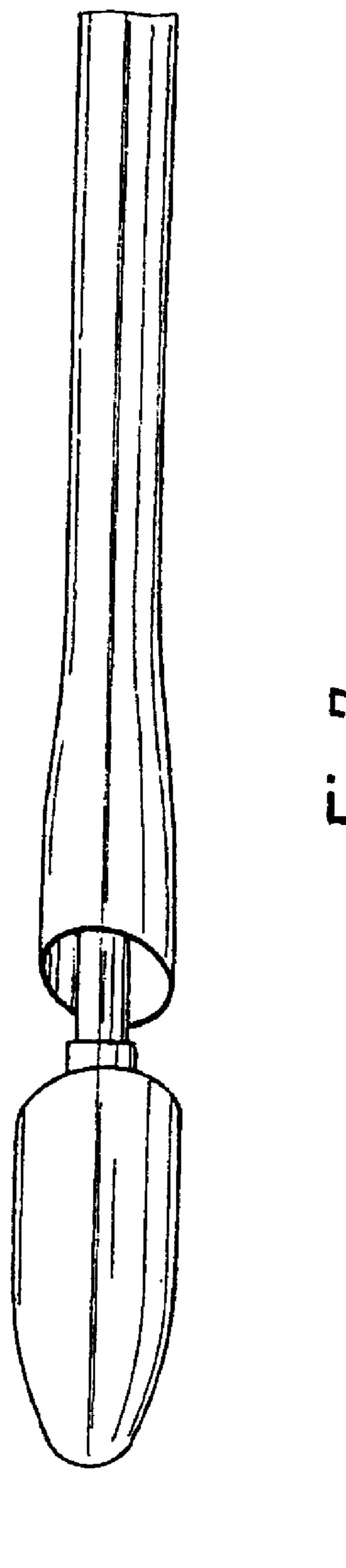


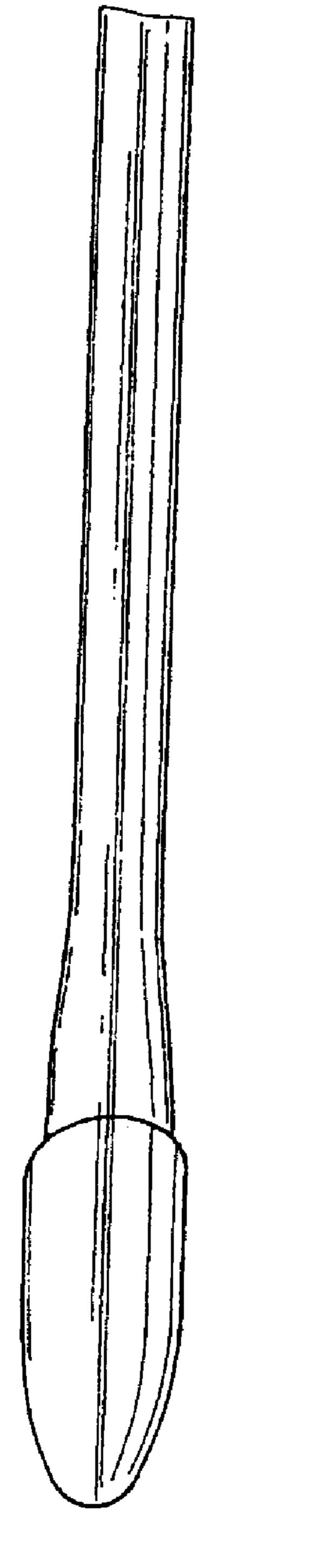
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