



US00D349341S

United States Patent [19]

[11] Patent Number: **Des. 349,341**

Lichtman et al.

[45] Date of Patent: **** Aug. 2, 1994**

[54] ENDOSCOPIC GRASPER

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[73] Assignee: **Microsurge, Inc.**, Needham, Mass.

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

[21] Appl. No.: **903**

[22] Filed: **Oct. 28, 1992**

[52] U.S. Cl. **D24/143**

[58] Field of Search 606/205, 206, 207;
128/751, 750, 749, 752; D24/143, 145, 146

[56] References Cited

U.S. PATENT DOCUMENTS

D. 272,855	2/1984	Bel et al.	D24/143
D. 331,109	11/1992	McWhinney et al.	D24/143
D. 332,660	1/1993	Rawson et al.	D24/145
D. 338,065	8/1993	Rose	D24/143
4,662,371	5/1987	Whipple et al.	604/902 X
4,994,024	2/1991	Falk	128/752 x

FOREIGN PATENT DOCUMENTS

1452185 10/1976 United Kingdom 606/206

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[57] CLAIM

The ornamental design for an endoscopic grasper, as shown and described.

DESCRIPTION

FIG. 1 is a left hand side view in elevation of the endoscopic grasper showing our new design, the shaft is shown broken away in the center to indicate indeterminate length;

FIG. 2 is a plan view of the same instrument;

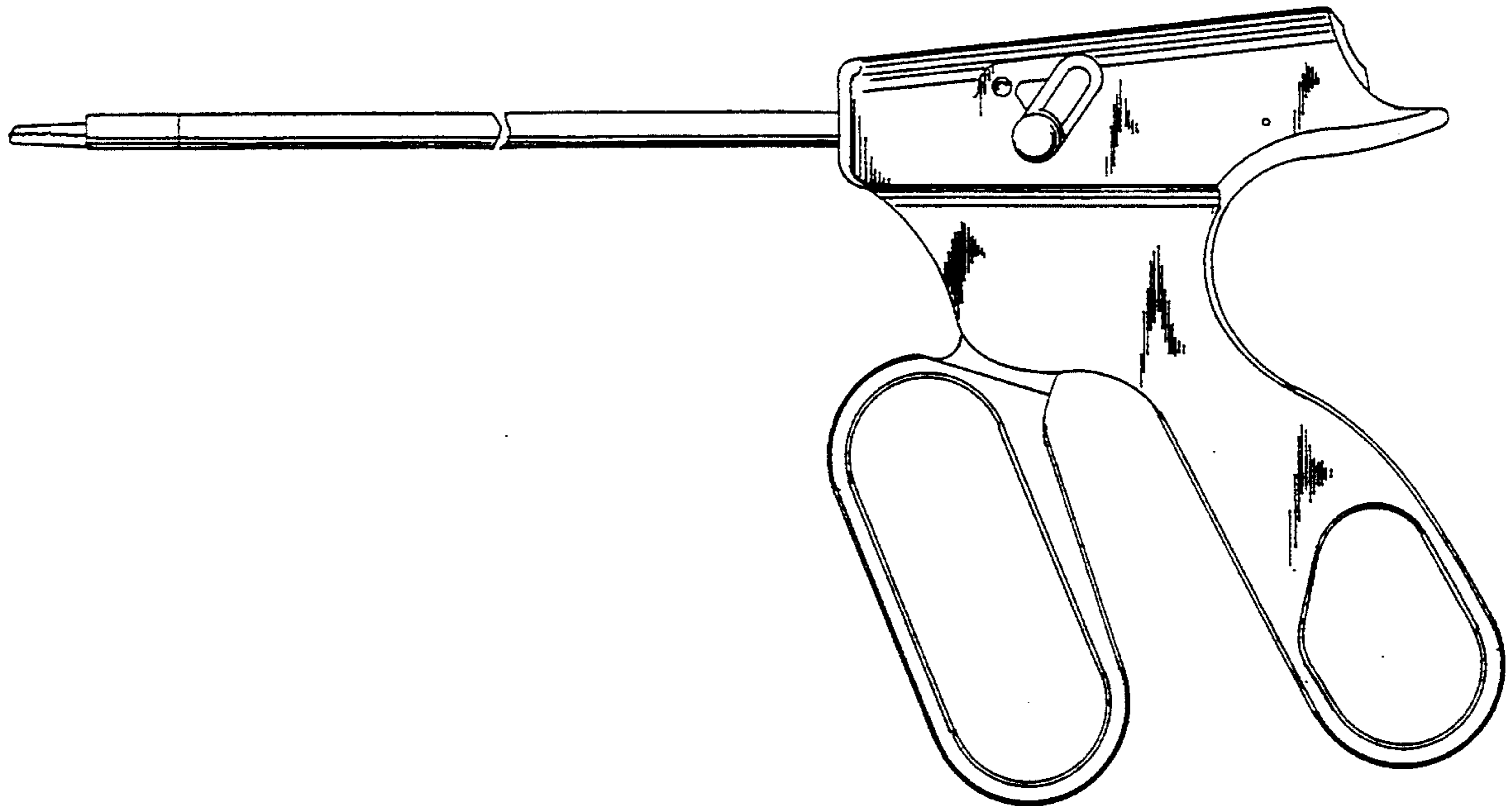
FIG. 3 is bottom view of the same instrument;

FIG. 4 is front end view in elevation of the same instrument;

FIG. 5 is a rear end view in elevation of the same instrument;

FIG. 6 is a right hand side view in elevation of the same instruments; and,

FIG. 7 is a left hand side view in elevation showing the instrument with its jaws in an open position.



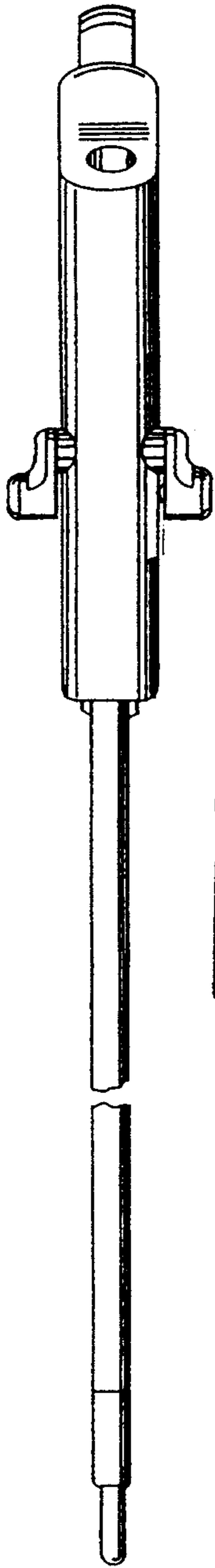


Fig. 2

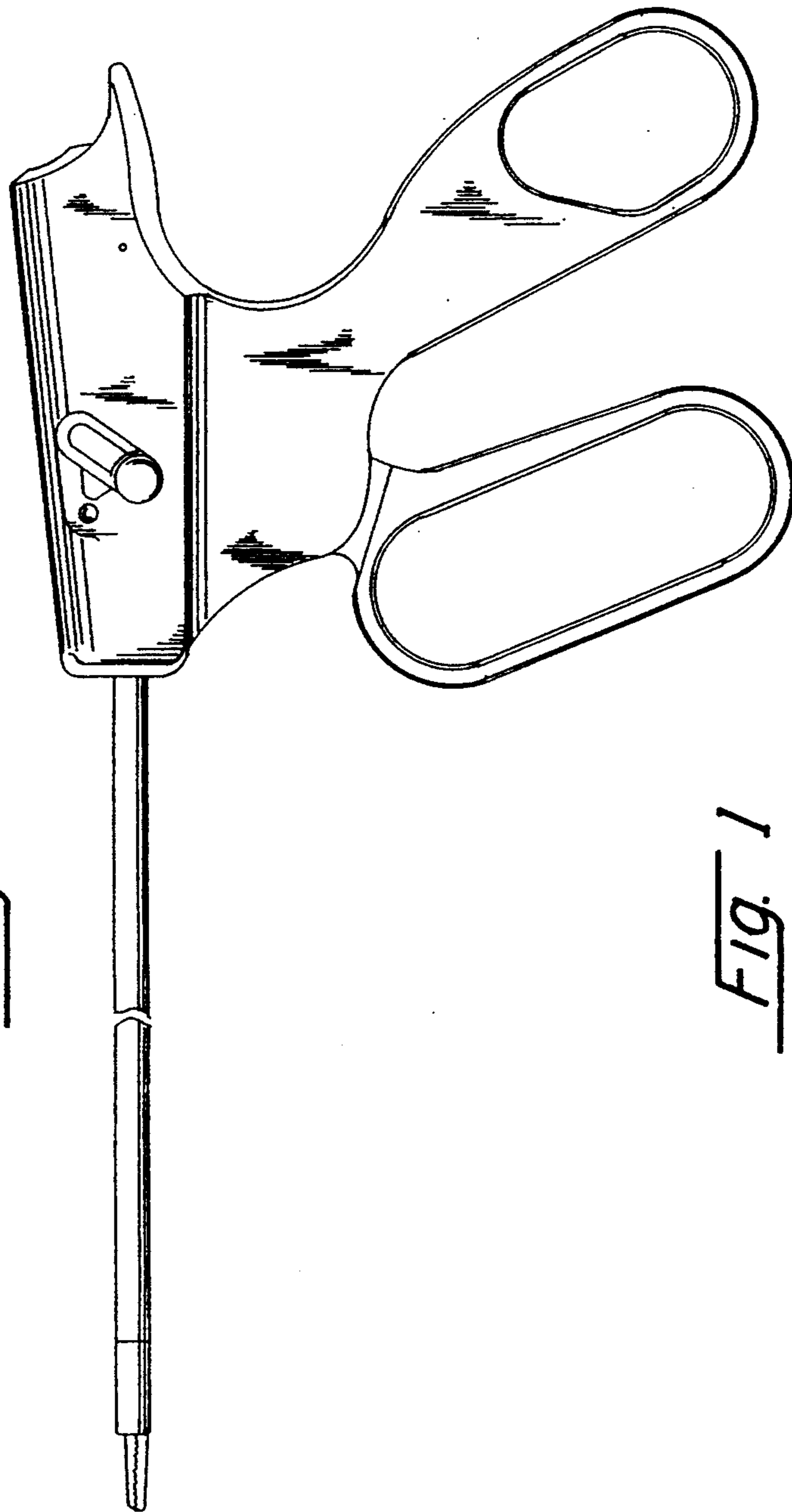


Fig. 1

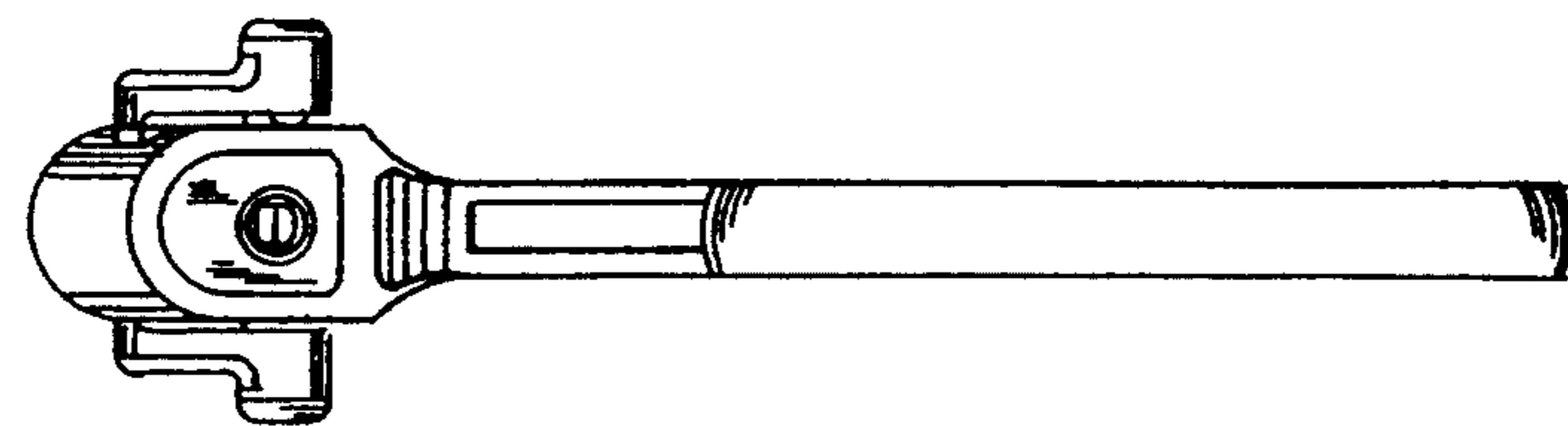


Fig. 4

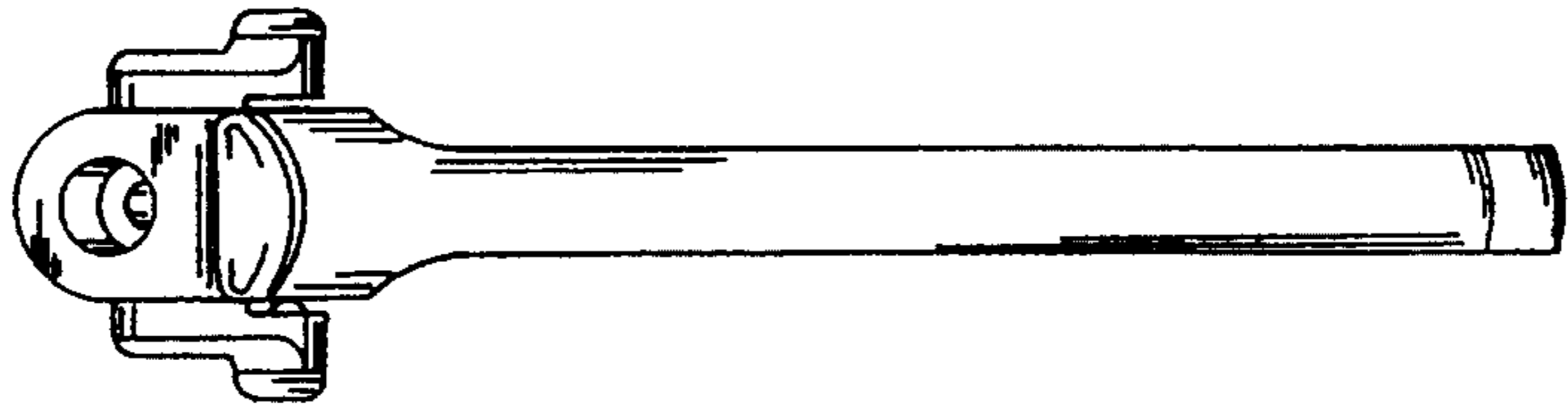


Fig. 5

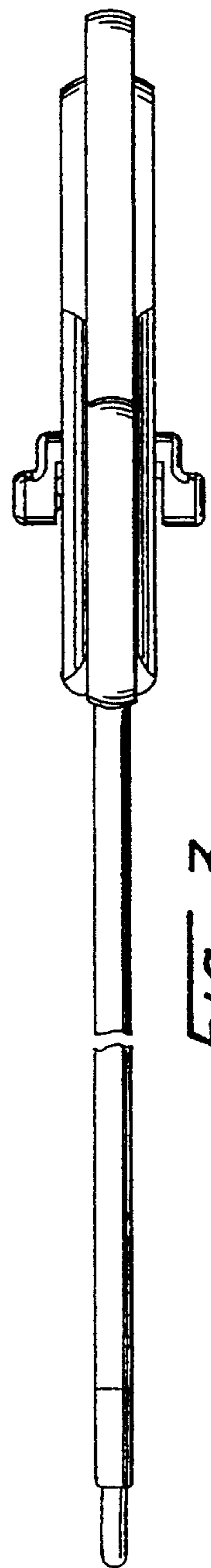


Fig. 3

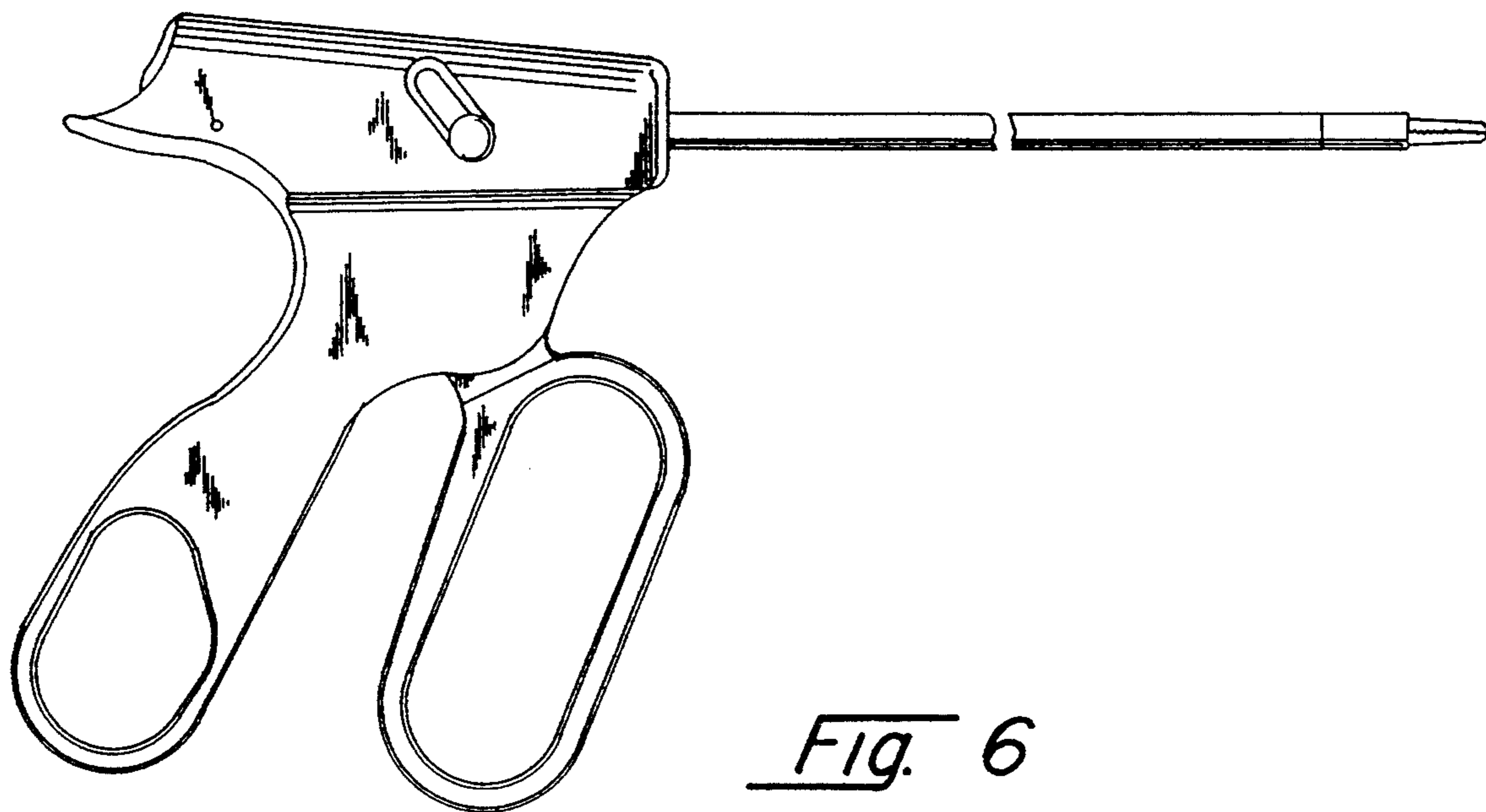


Fig. 6

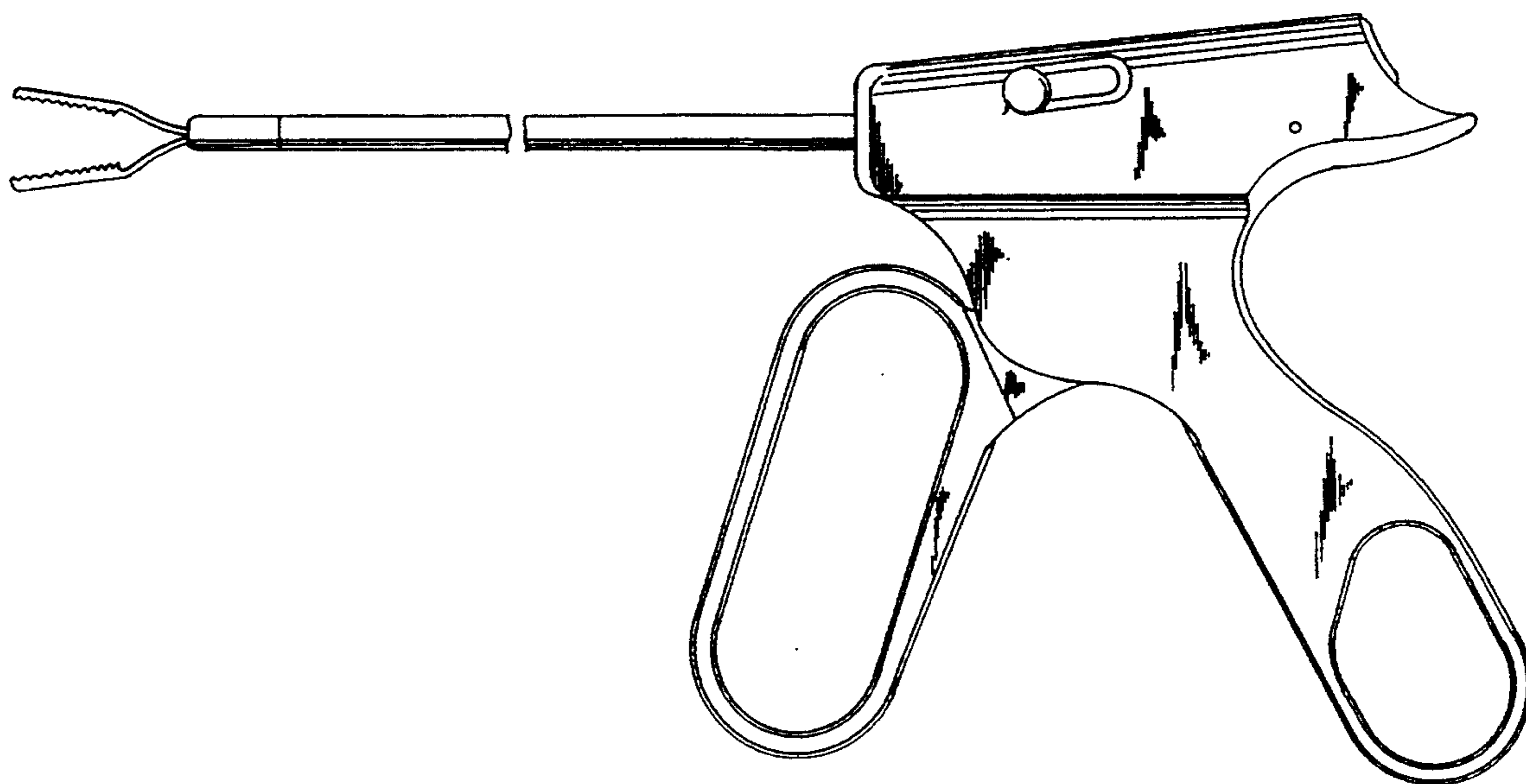


Fig. 7