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(12) **United States Design Patent**
Huang

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(54) **KNIFE SHARPENER**

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420

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

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(51) **LOC (7) Cl.** **08-05**

(52) **U.S. Cl.** **D8/93; D8/91**

(58) **Field of Search** D8/90, 91, 92,
D8/93, 94; 76/82, 86, 88; 451/552, 555,
557, 558

(56) **References Cited**

U.S. PATENT DOCUMENTS

D341,534 S	*	11/1993	Janikowski	D8/93
5,291,805 A	*	3/1994	Byers et al.	76/88
D365,740 S	*	1/1996	Smith	D8/93
D367,598 S	*	3/1996	Fortenberry	D8/91

D369,081 S * 4/1996 Byers et al. D8/91

D375,241 S * 11/1996 Pigott D8/93

D387,262 S * 12/1997 Byers et al. D8/91

D394,596 S * 5/1998 Byers et al. D8/91

D453,290 S * 2/2002 Huang D8/93

* cited by examiner

Primary Examiner—Philip S. Hyder

(57) **CLAIM**

The ornamental design for a knife sharpener, as shown.

DESCRIPTION

FIG. 1 is a perspective view of a knife sharpener showing my new design;

FIG. 2 is a right side elevational view thereof;

FIG. 3 is a top plan view thereof;

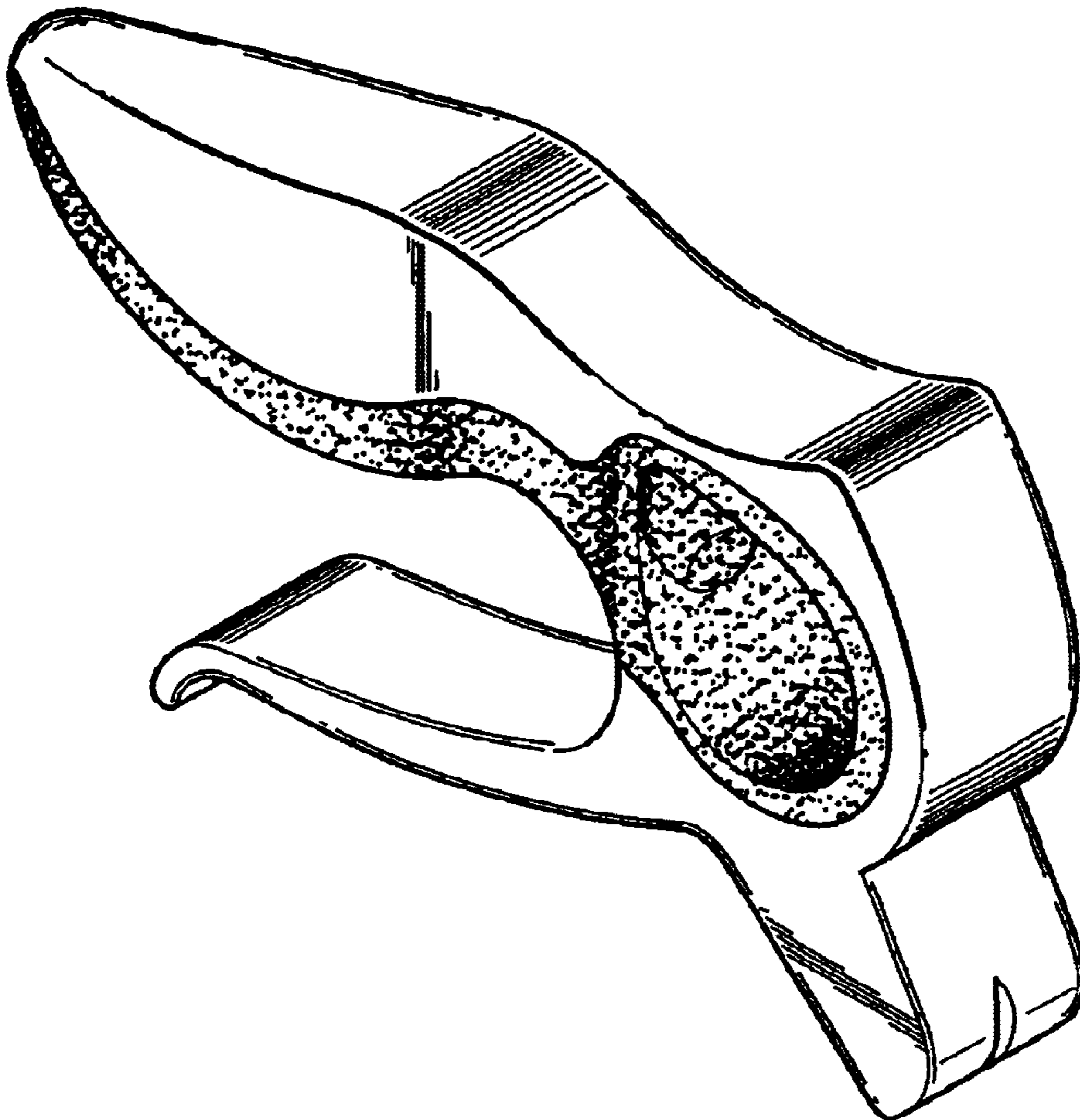
FIG. 4 is a front elevational view thereof;

FIG. 5 is a bottom plan view thereof;

FIG. 6 is a left side elevational view thereof; and,

FIG. 7 is a rear elevational view thereof.

1 Claim, 4 Drawing Sheets



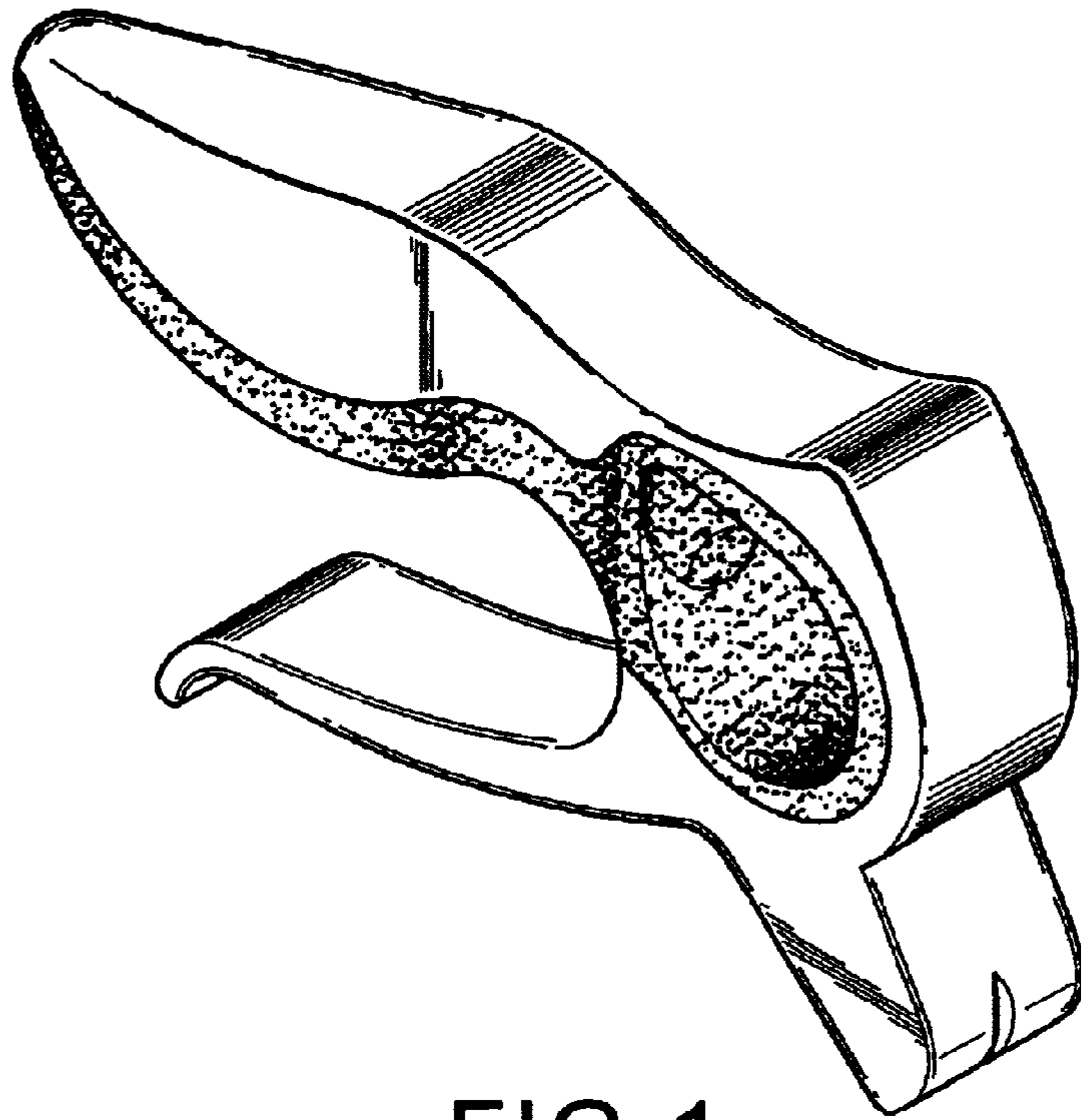


FIG. 1



FIG. 2

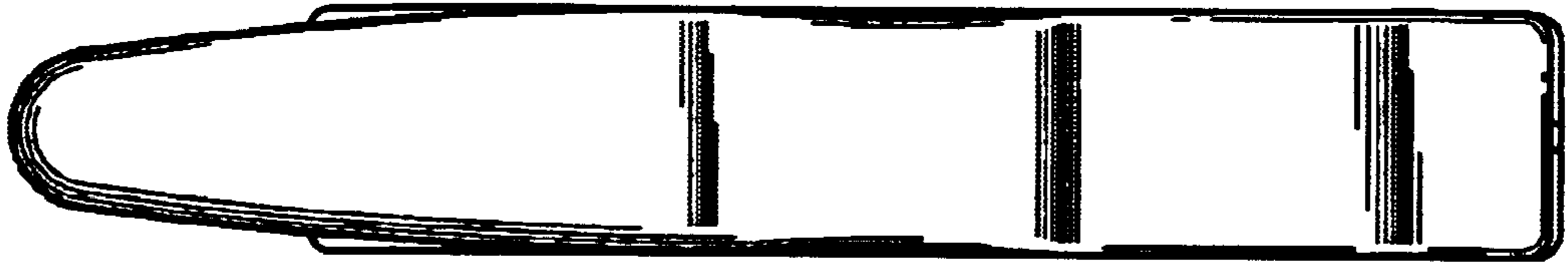


FIG. 3

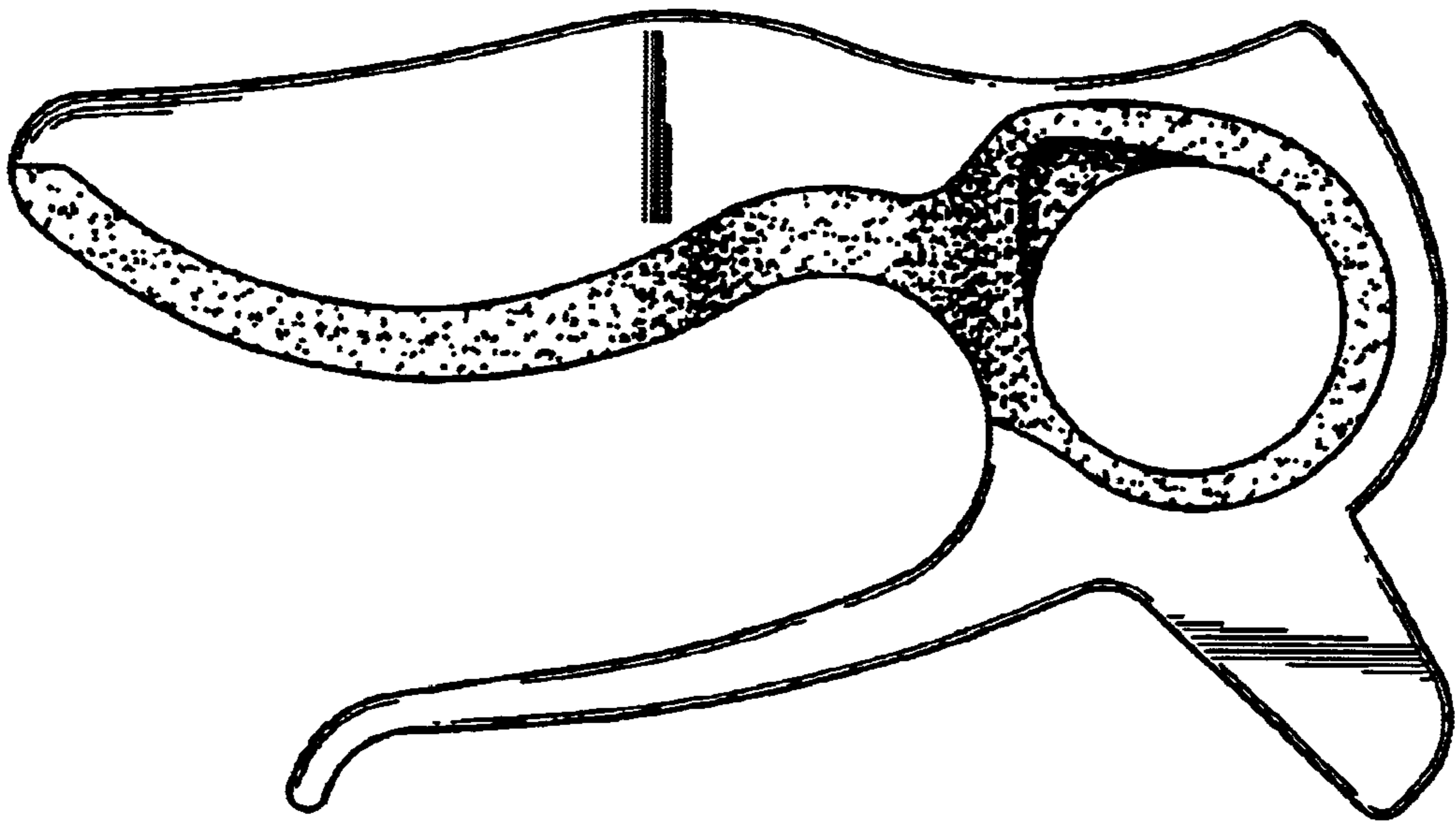


FIG. 4

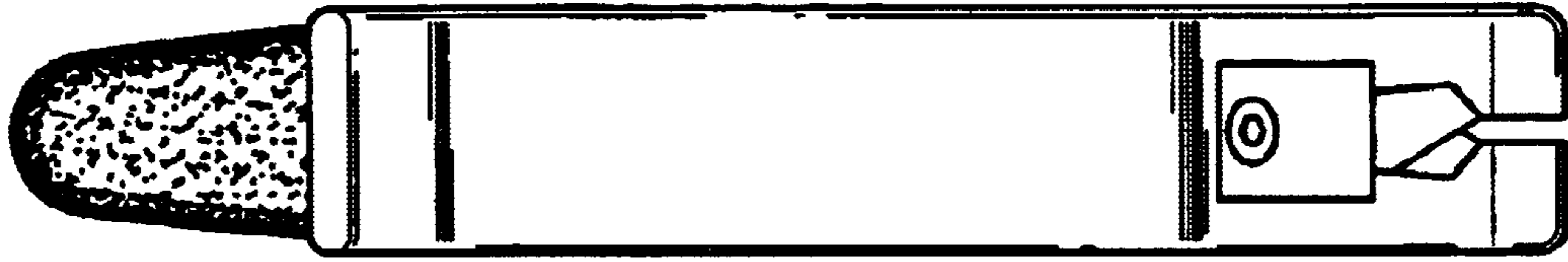


FIG. 5

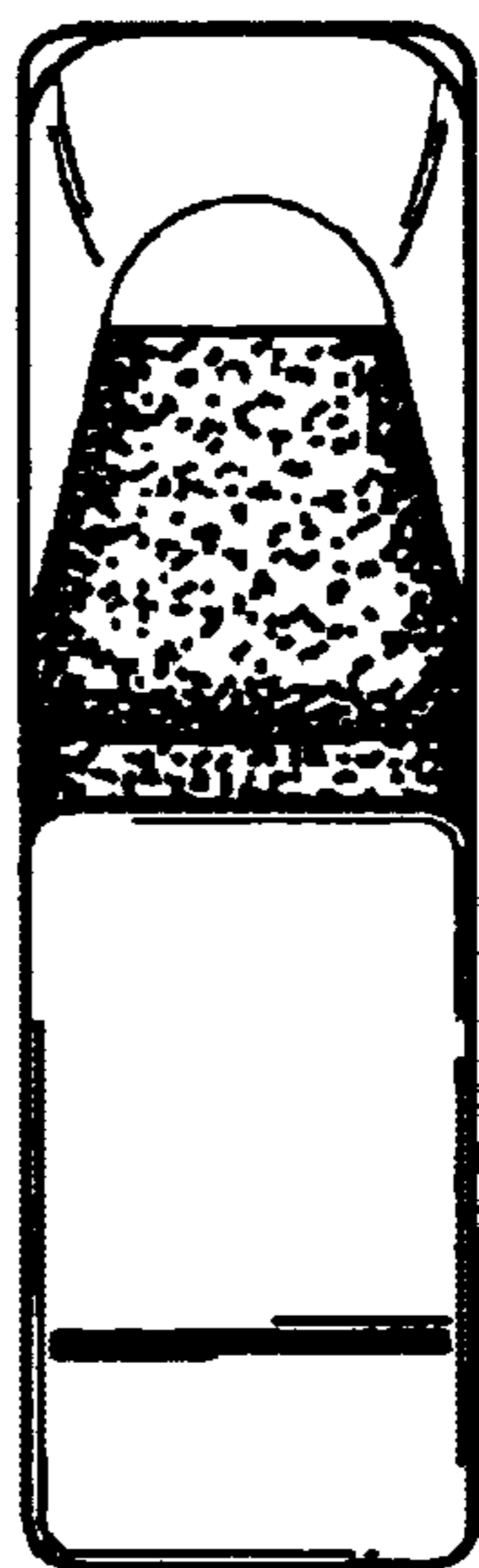


FIG. 6

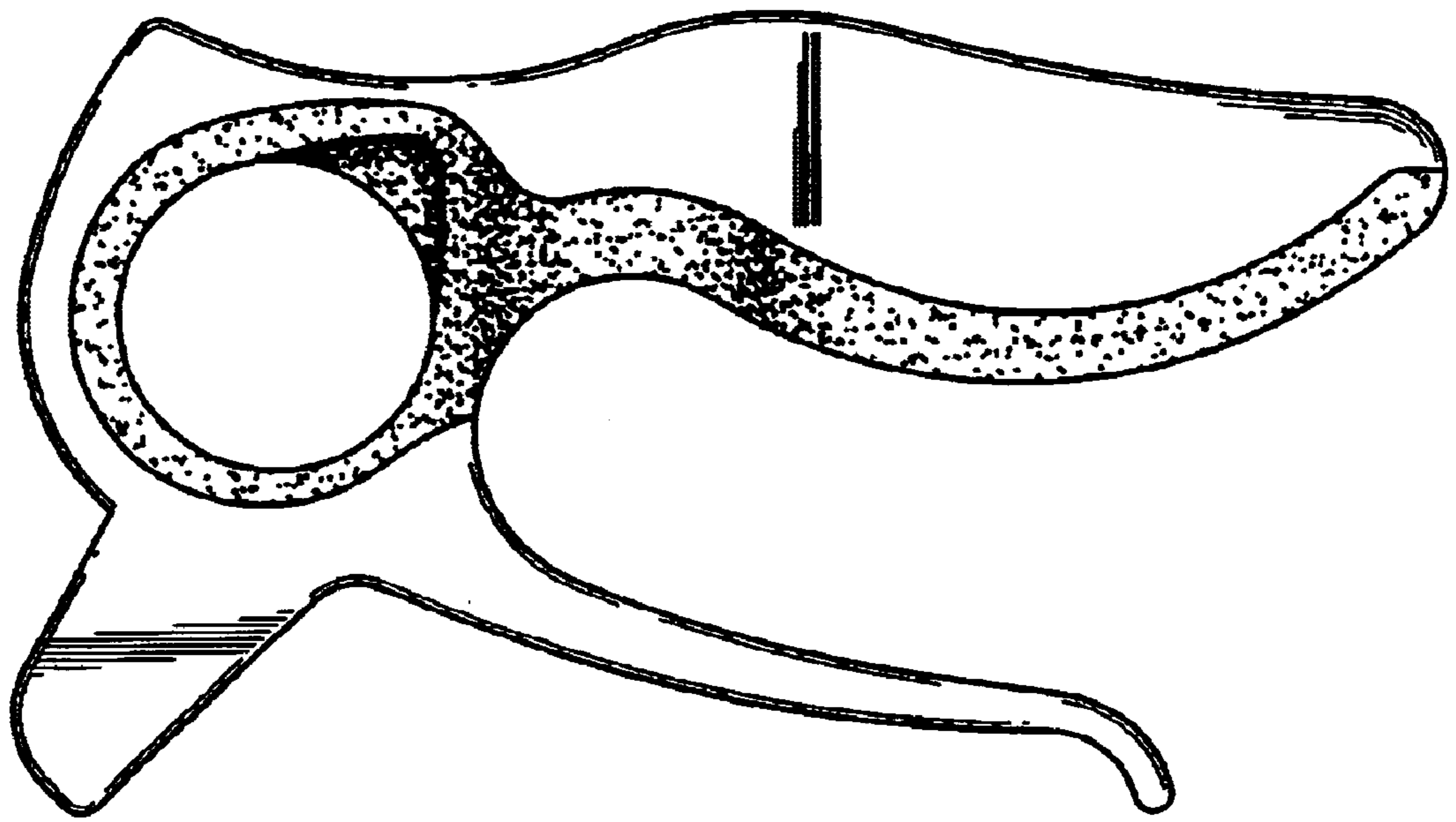


FIG. 7