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

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(54) **EXTRA WIDE JAW ARC JOINT PLIERS**

(75) Inventors: **Toby Archuleta**, Colorado Springs, CO (US); **Michael D. Metcalf**, Colorado Springs, CO (US)

(73) Assignee: **Emerson Electric Co.**, St. Louis, MO (US)

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

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(51) **LOC (8) Cl.** **08-05**

(52) **U.S. Cl.** **D8/52**

(58) **Field of Classification Search** D8/4-5,
D8/51-56; 81/427.5, 415, 489, 177.1-2;
7/127; 30/254, 252, 193
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,544,416	A	*	8/1996	Lin	.....	30/193
D419,406	S	*	1/2000	Wu	.....	D8/4
D421,699	S	*	3/2000	Florian	.....	D8/4
6,212,979	B1	*	4/2001	Wang	.....	81/427.5
D457,040	S	*	5/2002	Hirschfeld	.....	D8/4
D485,146	S	*	1/2004	Rivera	.....	D8/52
D490,673	S	*	6/2004	Sprouse	.....	D8/52
6,848,139	B1	*	2/2005	Simon et al.	.....	7/127

OTHER PUBLICATIONS

Channel Lock Product Catalog for Oil Filter Pliers (website: www.channellock.com); 2005; Channellock, Inc.; Meadville, PA.

* cited by examiner

Primary Examiner—Pamela J. Burgess

(74) *Attorney, Agent, or Firm*—Locke Liddell & Sapp LLP

(57) **CLAIM**

The ornamental design for an extra wide jaw arc joint pliers, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an extra wide jaw arc joint pliers.

FIG. 2 is a back view of the pliers of FIG. 1.

FIG. 3 is a side view of the pliers of FIG. 1.

FIG. 4 is a front view of the pliers.

FIG. 5 is an opposite side view of the pliers from FIG. 3.

FIG. 6 is a top view of the pliers; and,

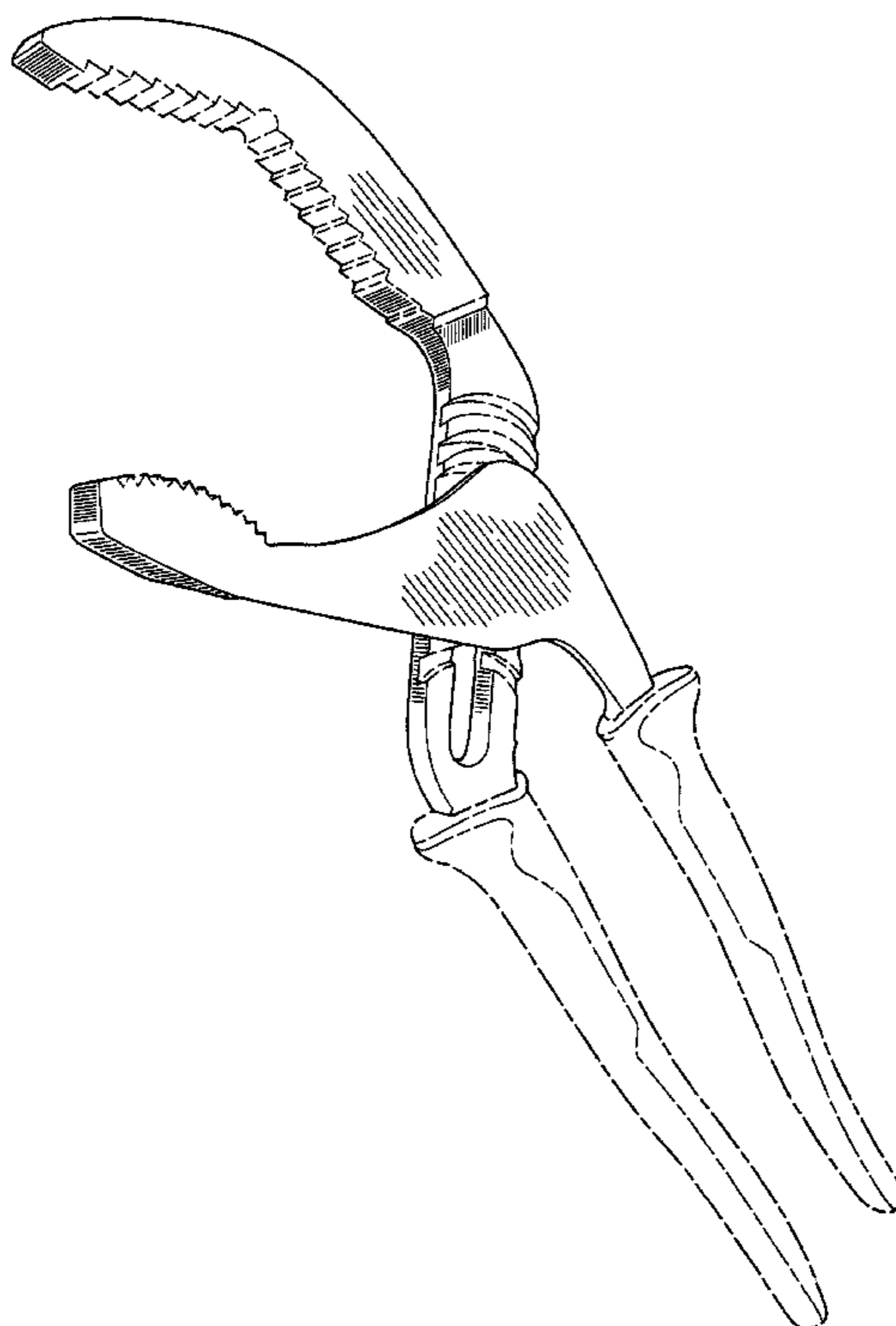
FIG. 7 is a bottom view of the pliers.

The broken lines of FIGS. 1-7 are for illustrative purposes only and form no part of the claimed design.

The subject design is characterized by arc joint pliers having a novel appearance through the formed shape for the lower and upper jaws.

The shape is a novel and creative design of pliers, which not only achieves its desired functions, but also provides an aggressive appearance, appealing to the eye of the end user, which is not found in the prior art.

1 Claim, 4 Drawing Sheets



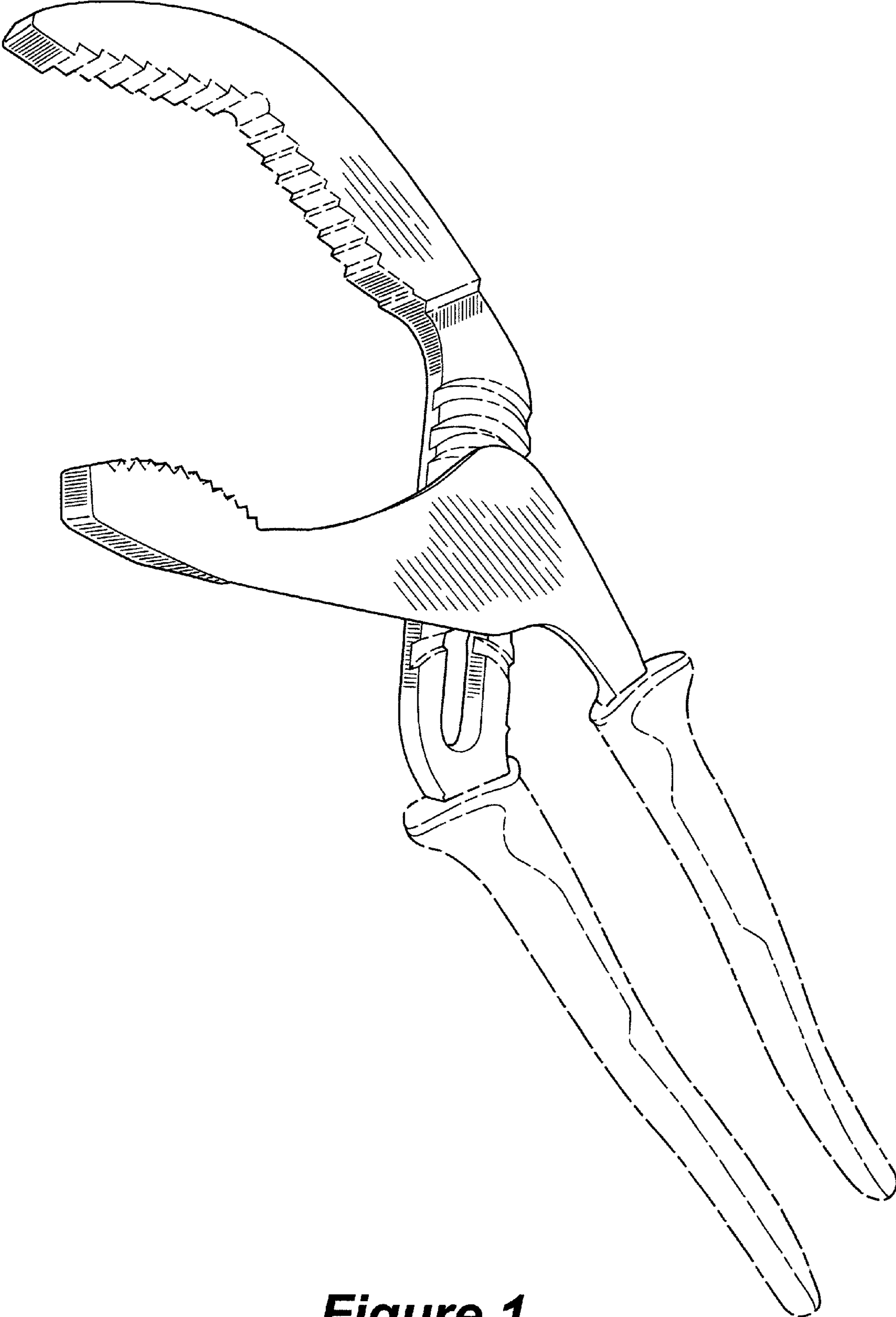


Figure 1

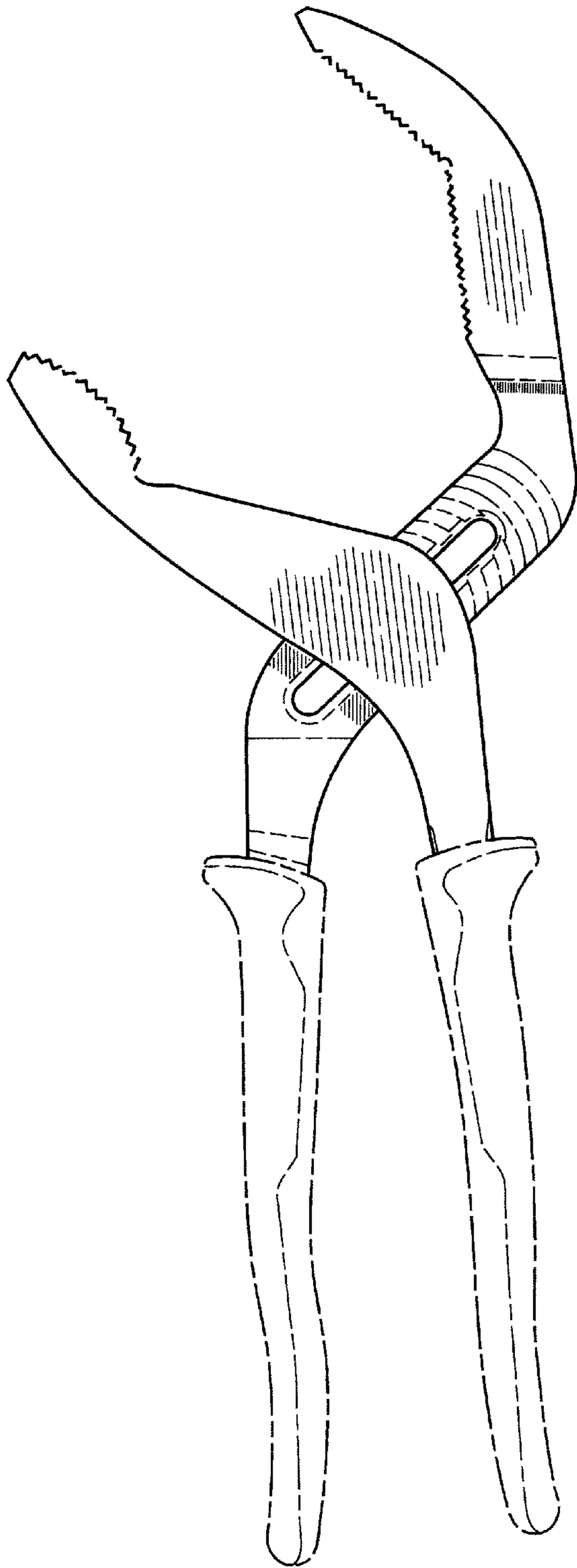


Figure 2

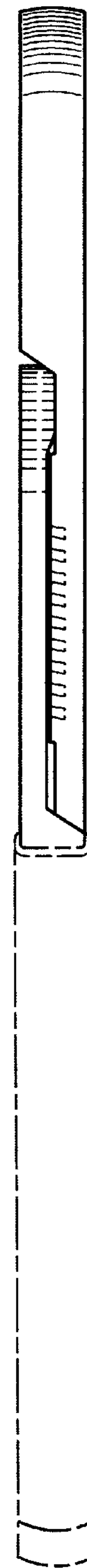


Figure 3

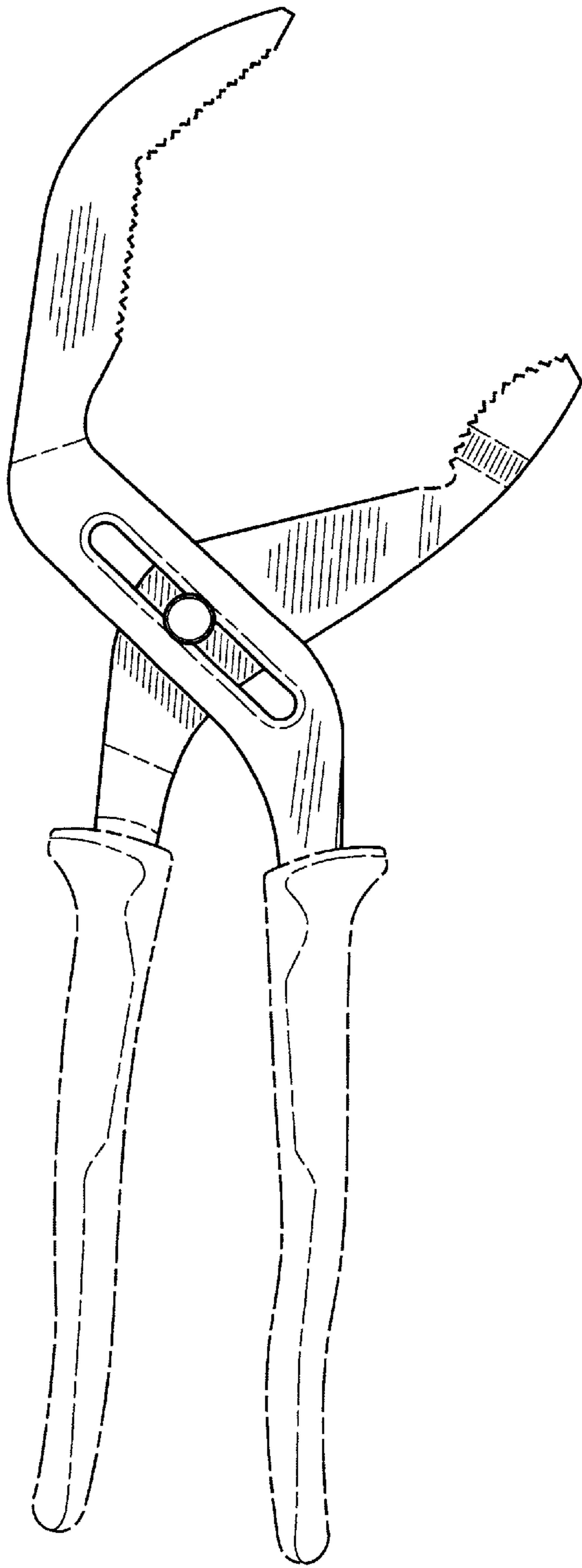


Figure 4

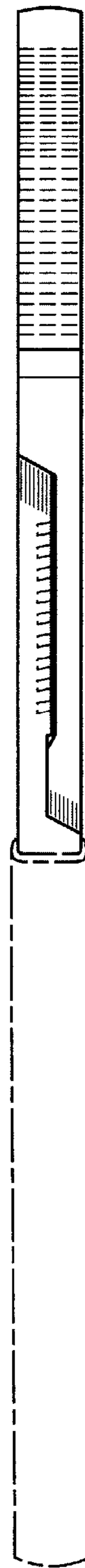


Figure 5

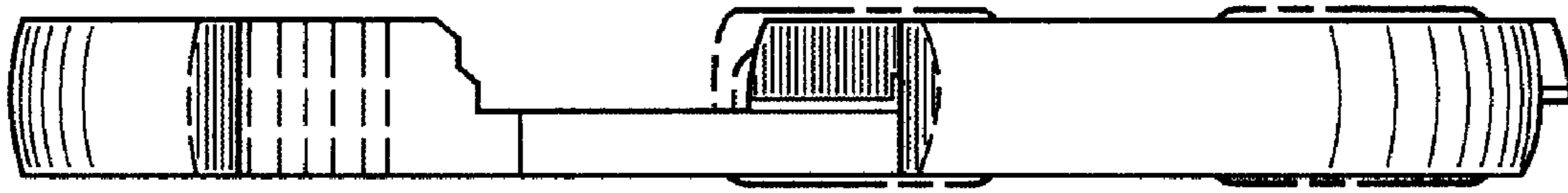


Figure 6



Figure 7