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

(10) **Patent No.:** **US D837,670 S**
(45) **Date of Patent:** **** Jan. 8, 2019**

- (54) **PIPE CLAMP TEMPERATURE PROBE**
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- (73) Assignee: **Kane USA, Inc.**, Beaverton, OR (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/635,059**
- (22) Filed: **Jan. 26, 2018**
- (51) **LOC (11) Cl.** **10-04**
- (52) **U.S. Cl.**
USPC **D10/60; D10/80**
- (58) **Field of Classification Search**
USPC D10/52, 60, 78, 79, 80, 103
CPC G01R 1/22; G01R 1/24; G01R 1/26; H01F 38/30; Y10T 29/532; Y10T 29/53222; G01K 1/083; G01K 1/18; G01K 13/002
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,984,798 A * 10/1976 Bussen H01F 38/30
336/176
- 4,316,142 A * 2/1982 Kuramoto G01R 1/22
324/127
- 4,827,272 A * 5/1989 Davis G01R 1/22
324/127
- D410,396 S * 6/1999 Iwasaki D10/78
- D665,282 S * 8/2012 Worones D10/80
- D678,790 S * 3/2013 Worones D10/79
- D739,280 S * 9/2015 Petrucelli D10/52

(Continued)

OTHER PUBLICATIONS

Testo, Inc., Testo 549i Refrigerant Pressure Probe Data Sheet, downloaded from www.testo.com on Jun. 11, 2018, pp. 1-2, Testo, Inc., 40 White Lake Road, Sparta, NJ 07871.

(Continued)

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(57) **CLAIM**

The ornamental design for a pipe clamp temperature probe, as shown and described.

DESCRIPTION

FIG. 1 is a front/top/left perspective view of a first embodiment of a pipe clamp temperature probe, showing our new design;

FIG. 2 is a rear/bottom/right perspective view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a left side view thereof, and a right side view thereof is a mirror image of the left side view thereof;

FIG. 5 is a bottom plan view thereof;

FIG. 6 is a front elevation view thereof;

FIG. 7 is a rear elevation view thereof;

FIG. 8 is a front/top/left perspective view of the pipe clamp temperature probe in an optional open clamp configuration;

FIG. 9 is a front/top/left perspective view of a second embodiment of a pipe clamp temperature probe, wherein the stippled areas represent a contrasted color, the contrasted color being non-black but otherwise not representing a specific color or color combination;

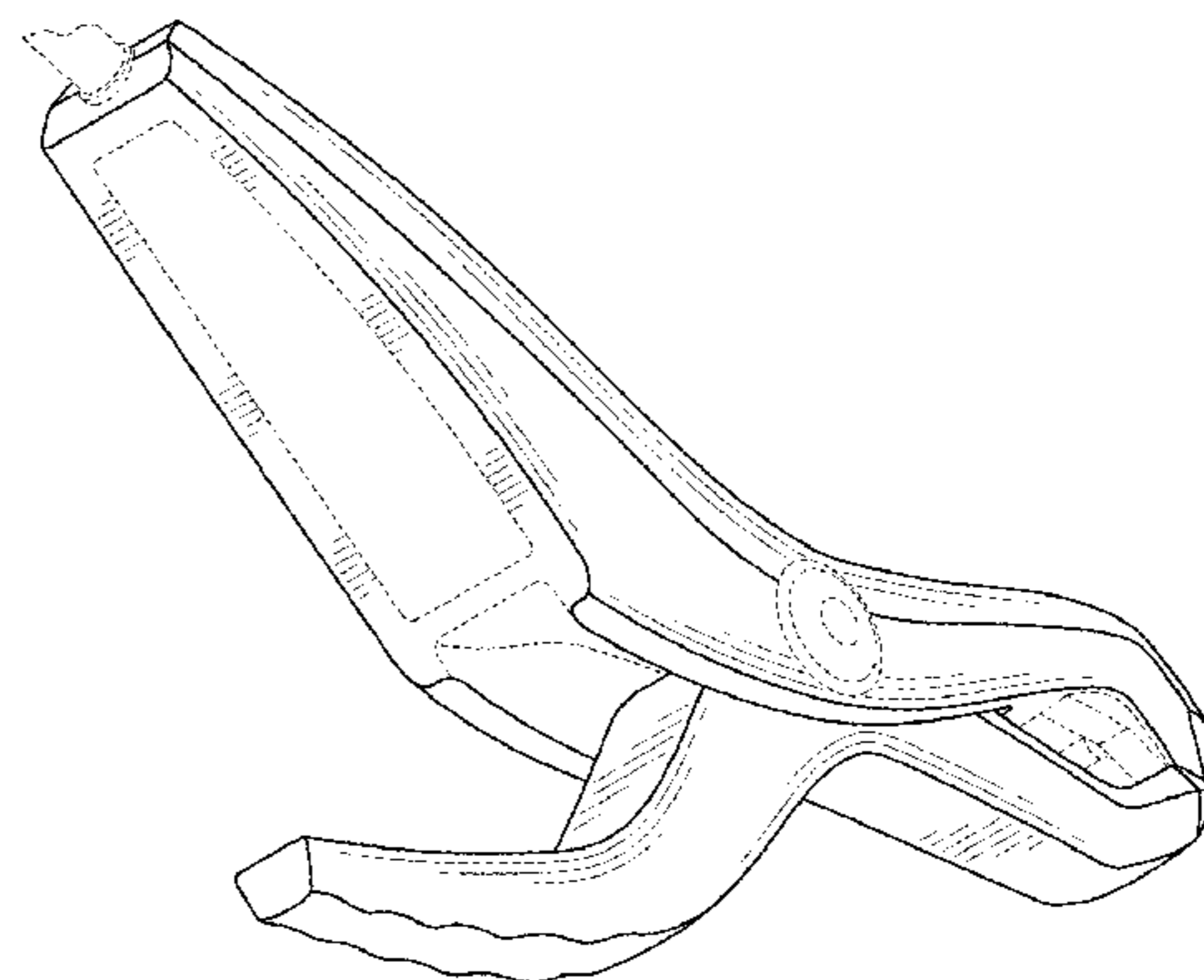
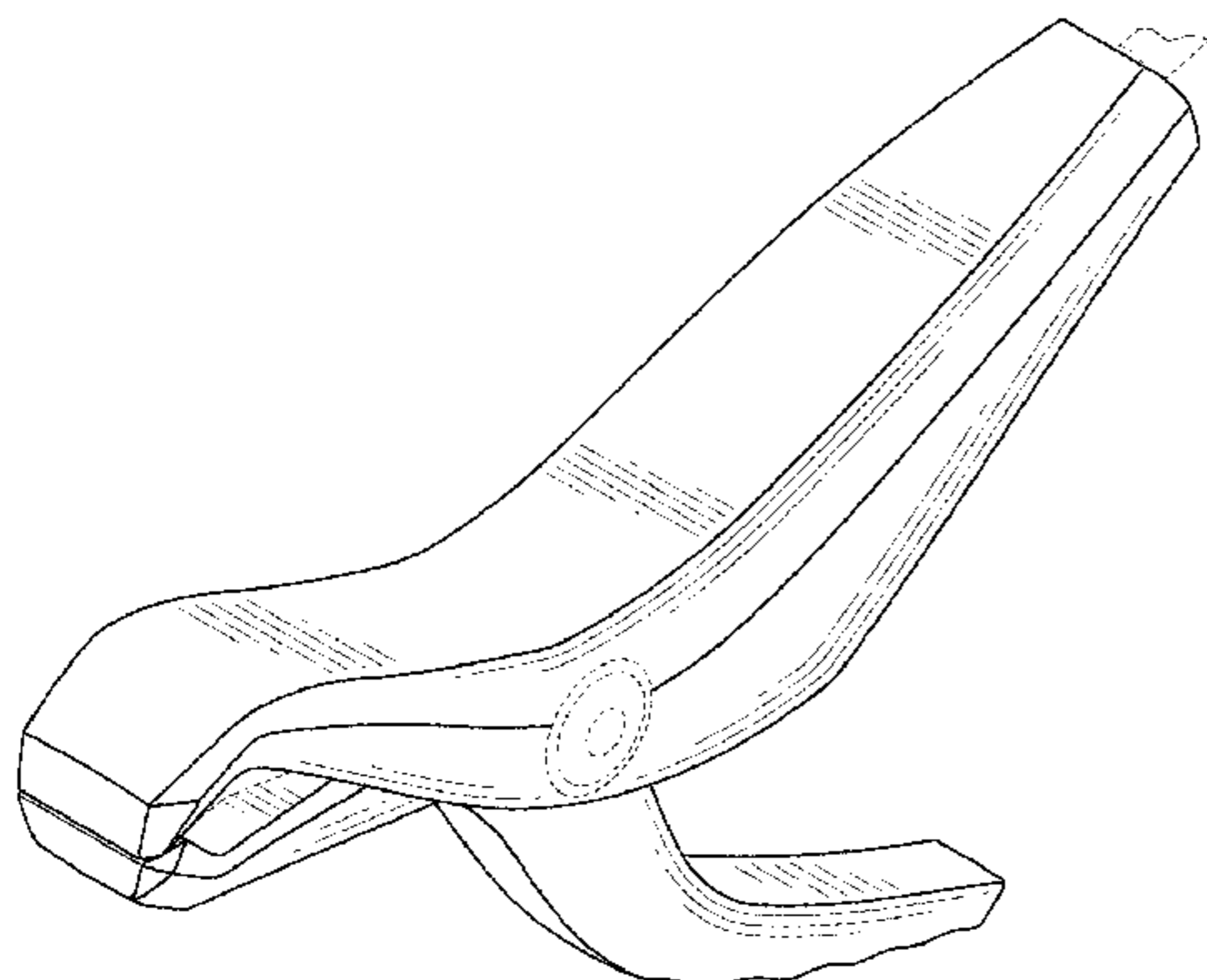
FIG. 10 is a rear/bottom/right perspective view thereof;

FIG. 11 is a front/top/left perspective view of a third embodiment of a pipe clamp temperature probe, cross-hatched for the color black; and,

FIG. 12 is a rear/bottom/right perspective view thereof.

The broken lines shown throughout the drawing views are for illustrative purposes only and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D762,502 S * 8/2016 Shen D10/79

OTHER PUBLICATIONS

Testo, Inc., Testo AC/R Kit—Refrigeration Pressure Gauges & Pipe-clamp Thermometers—Data Sheet, downloaded from www.testo.com on Jun. 11, 2018, pp. 1-2, Testo, Inc., 40 White Lake Road, Sparta, NJ 07871.

Testo, Inc., Testo Smart Probes FAQ, downloaded from www.testo.com on Jun. 11, 2018, pp. 1-3, Testo, Inc., 40 White Lake Road, Sparta, NJ 07871.

Testo SE & Co. KGAA, Testo Smart Probes Instruction Manual, downloaded from www.testo.com on Jun. 11, 2018, pp. 1-32, Testo, Inc., 40 White Lake Road, Sparta, NJ 07871.

* cited by examiner

FIG. 1

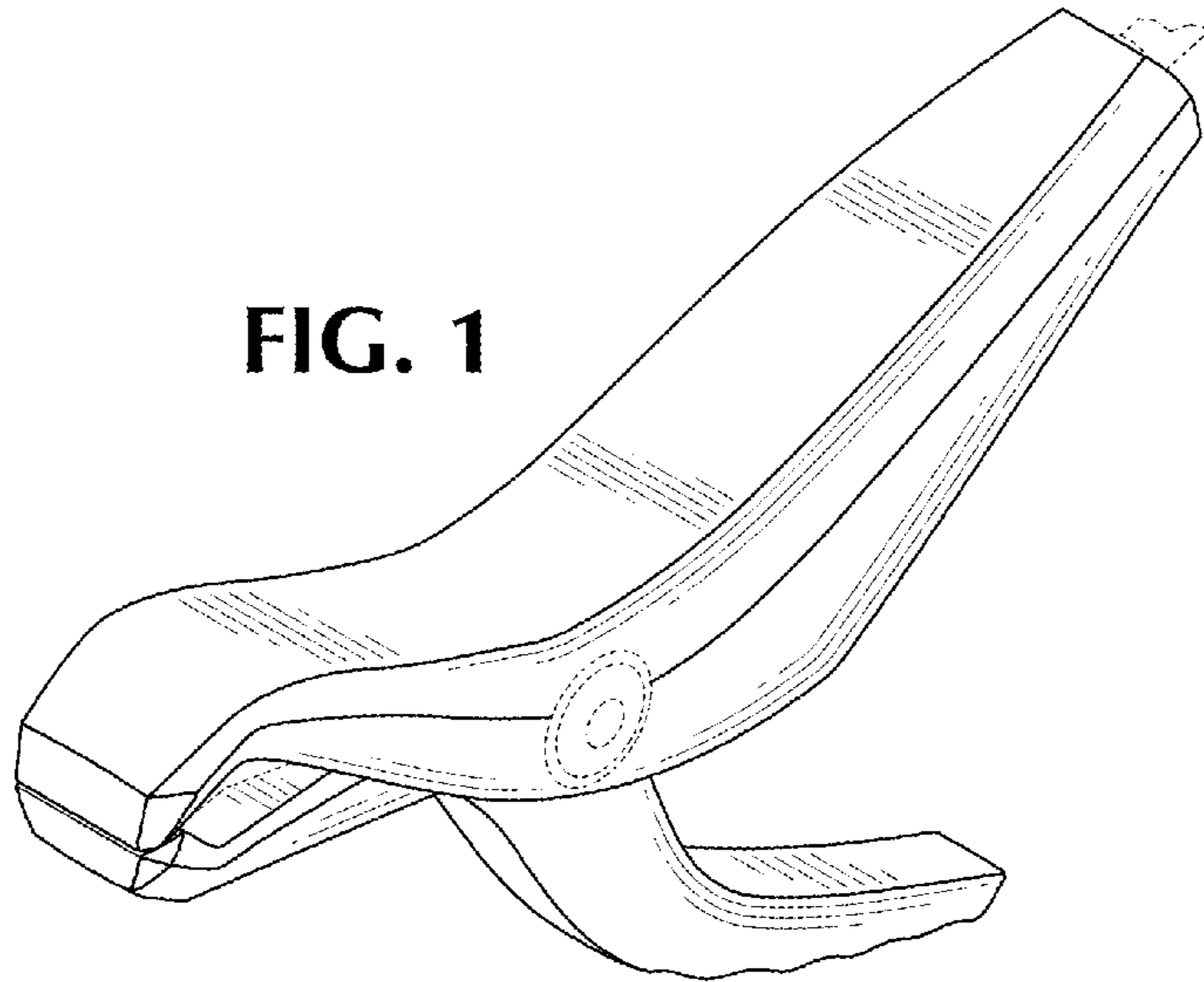
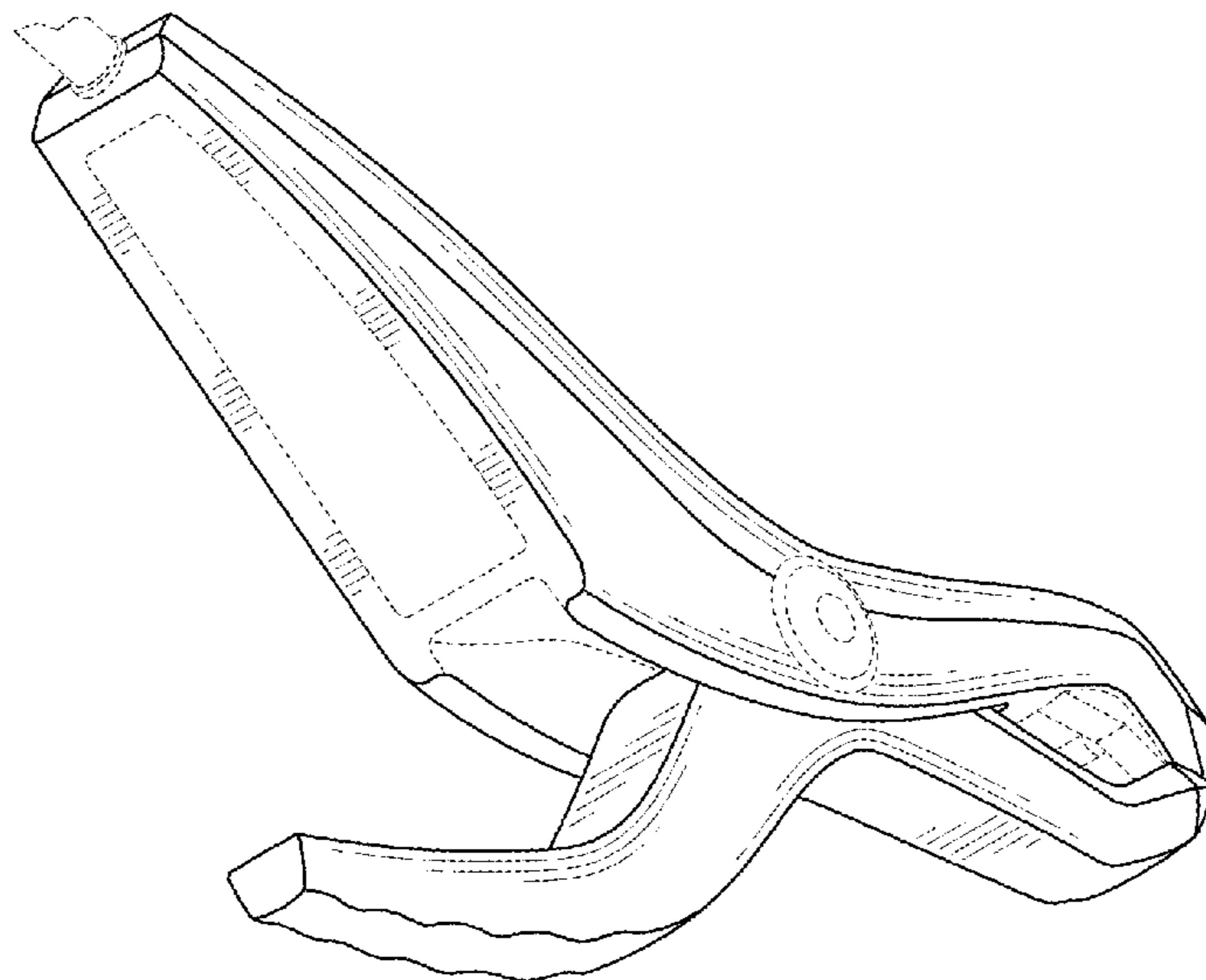


FIG. 2



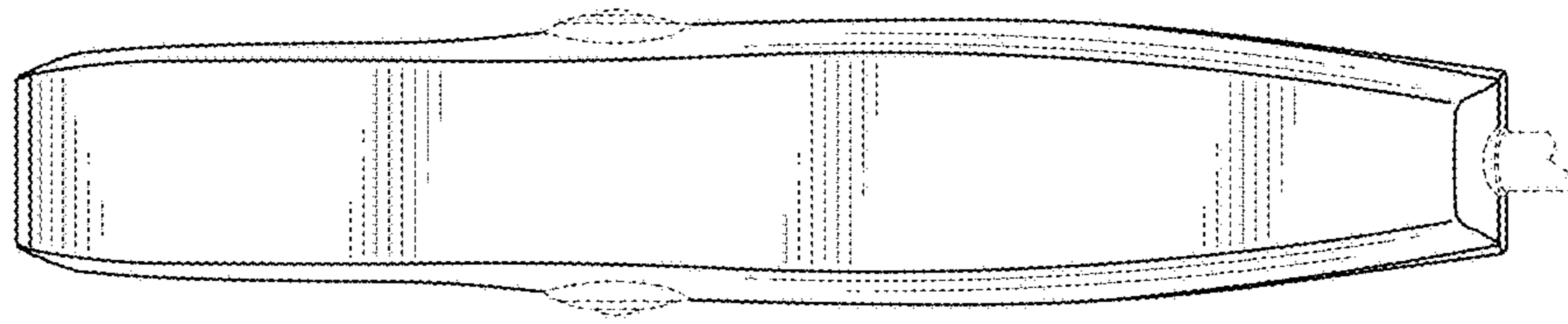


FIG. 3

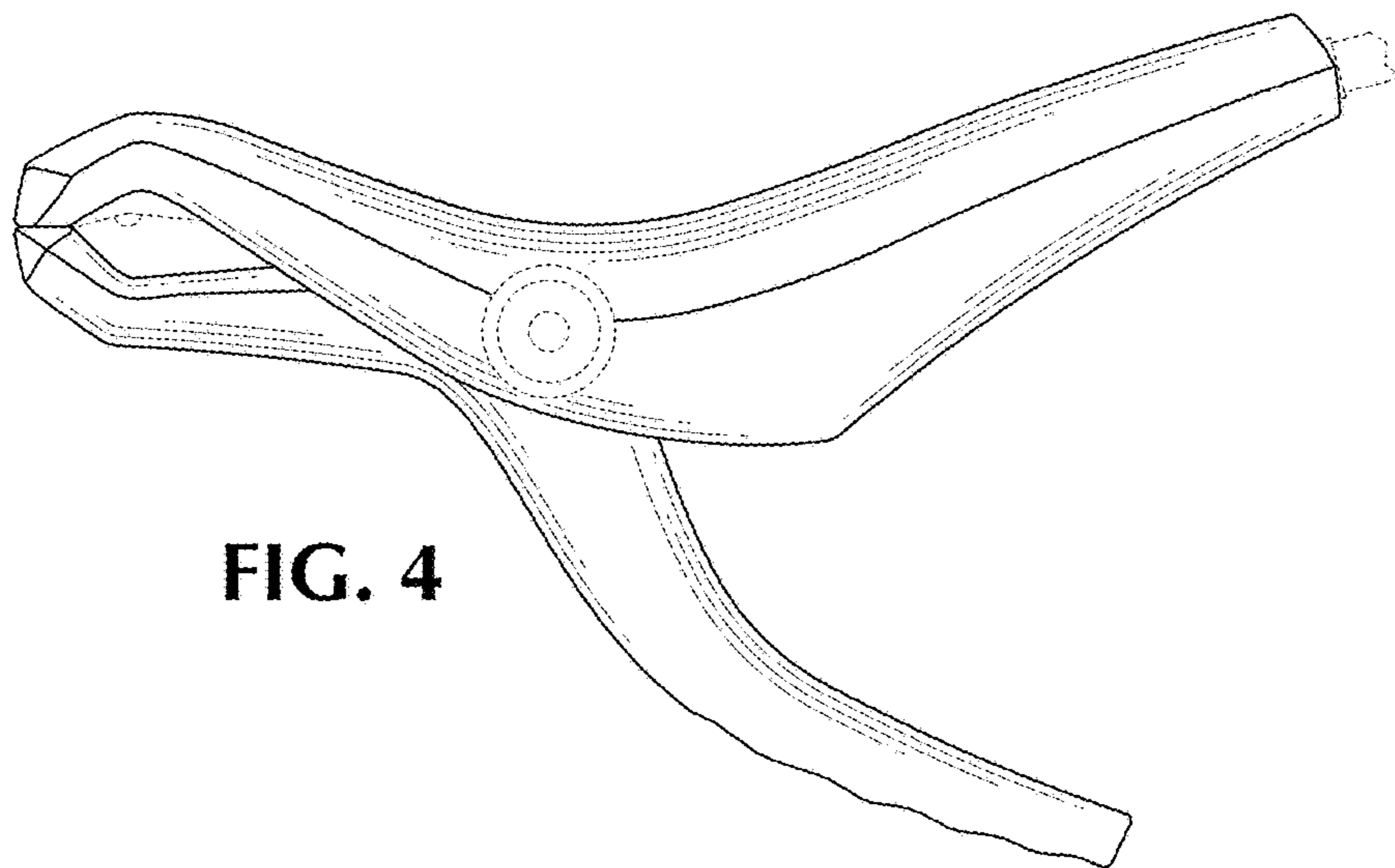


FIG. 4

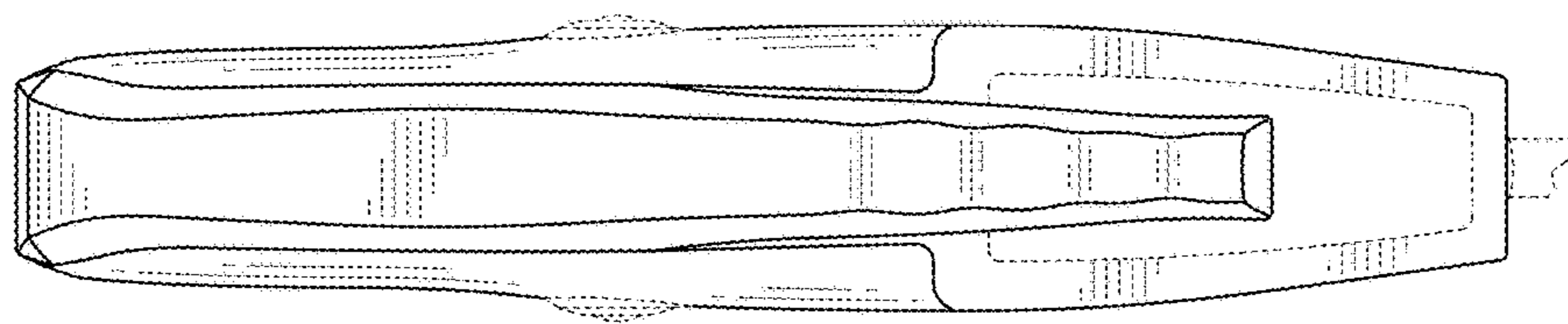


FIG. 5

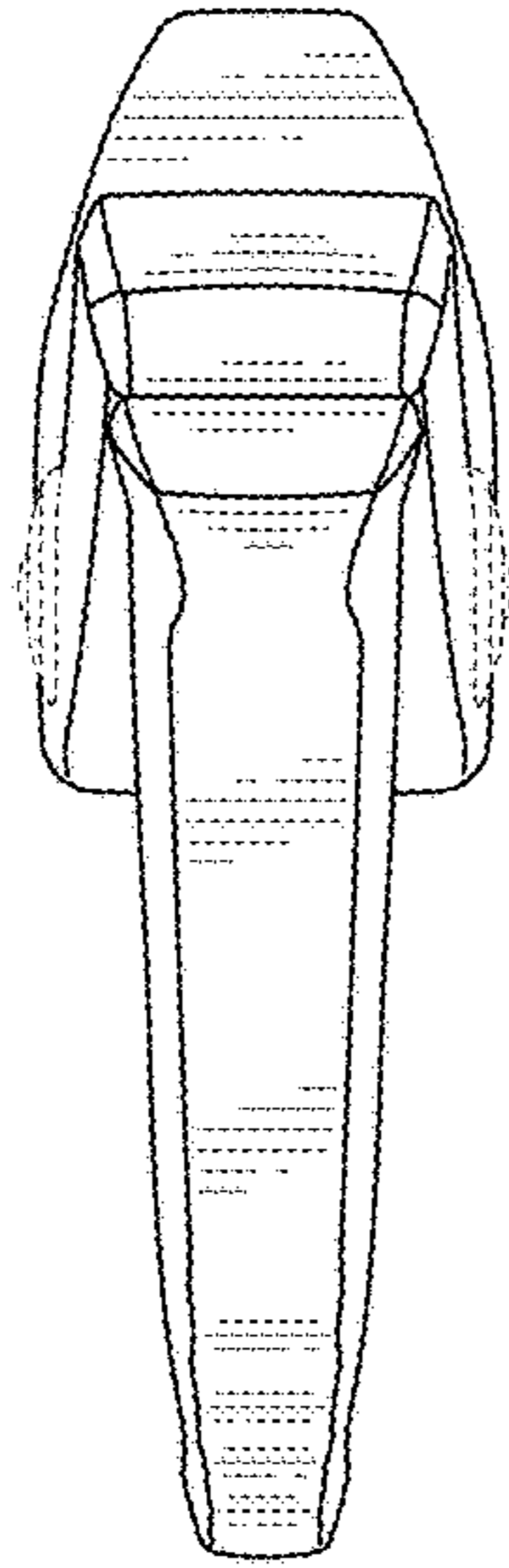


FIG. 6

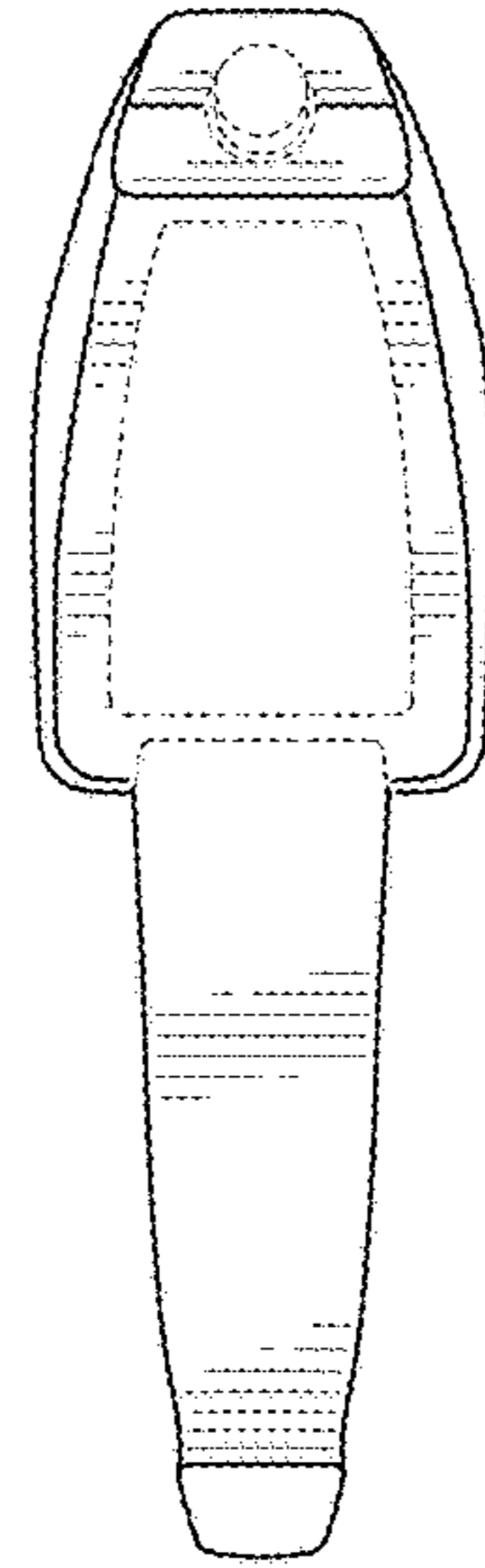


FIG. 7

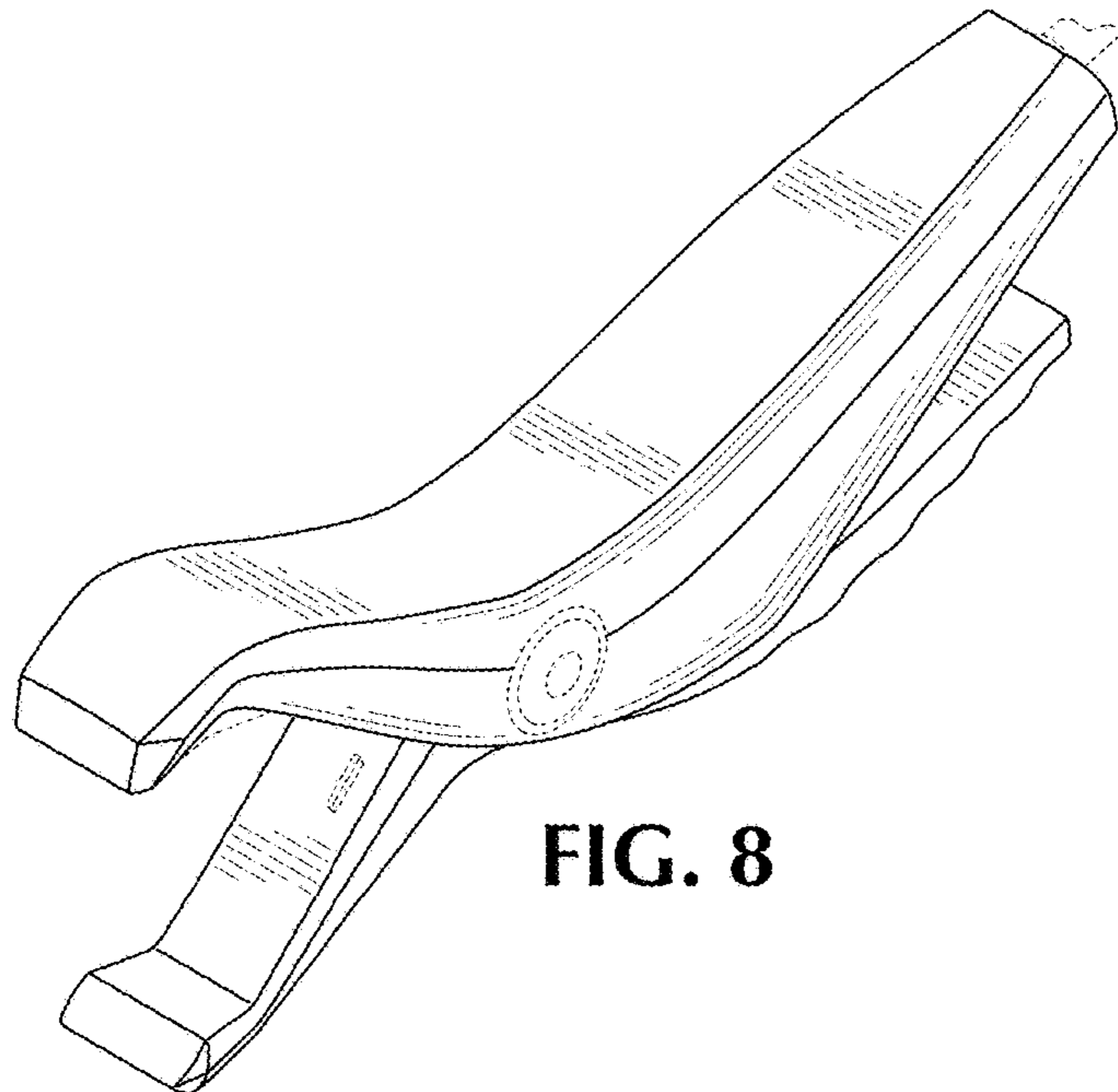


FIG. 8

FIG. 9

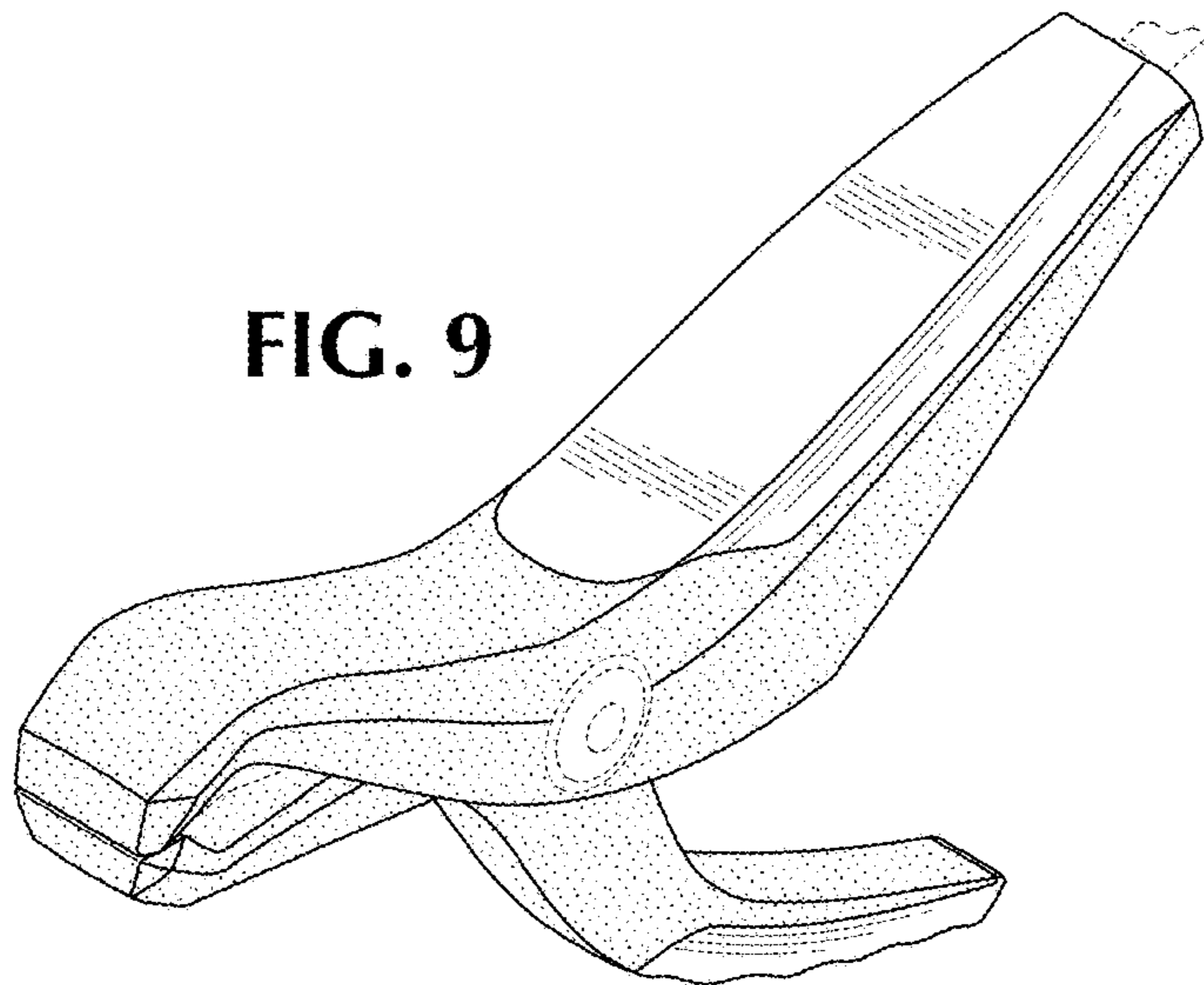


FIG. 10

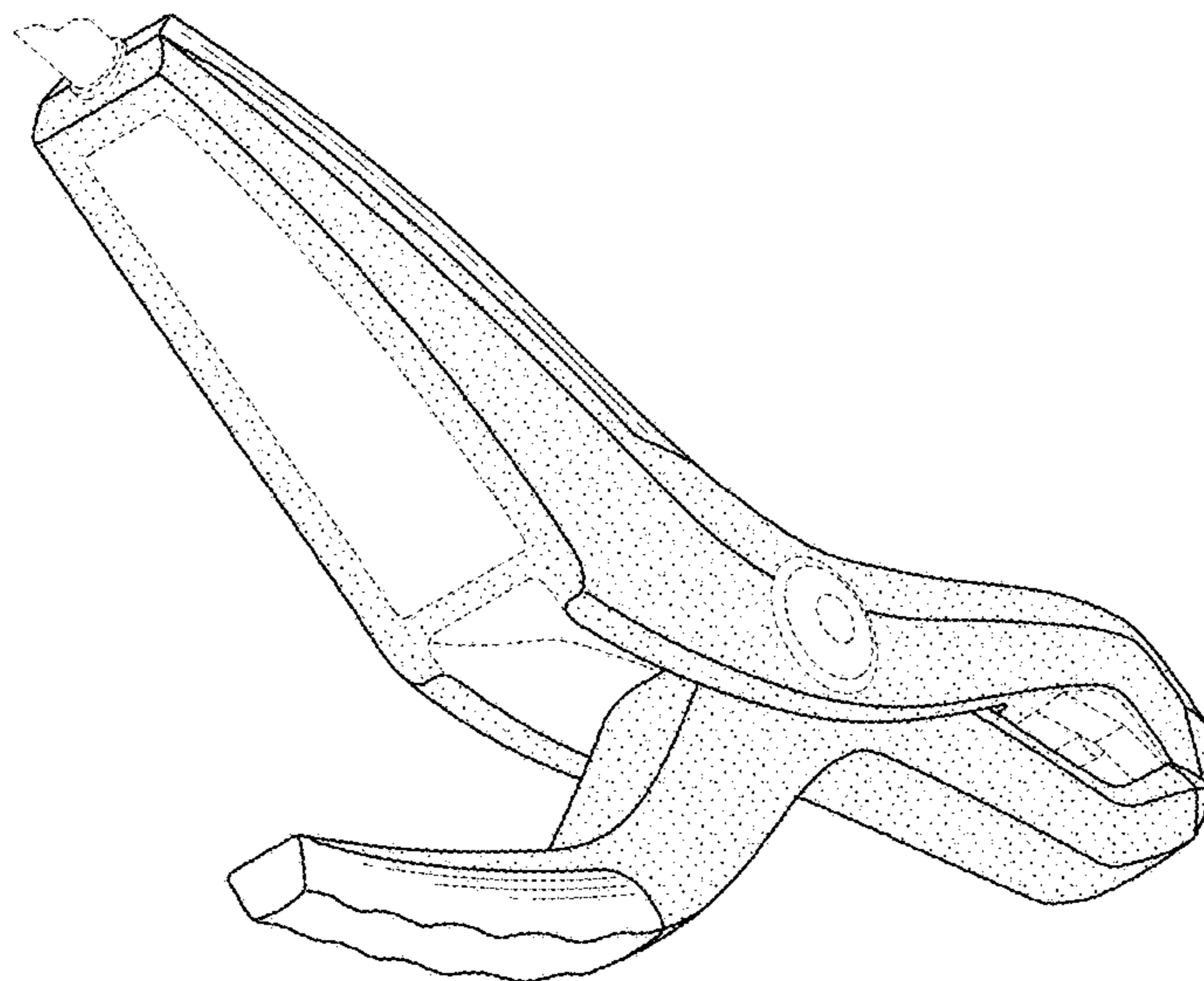


FIG. 11

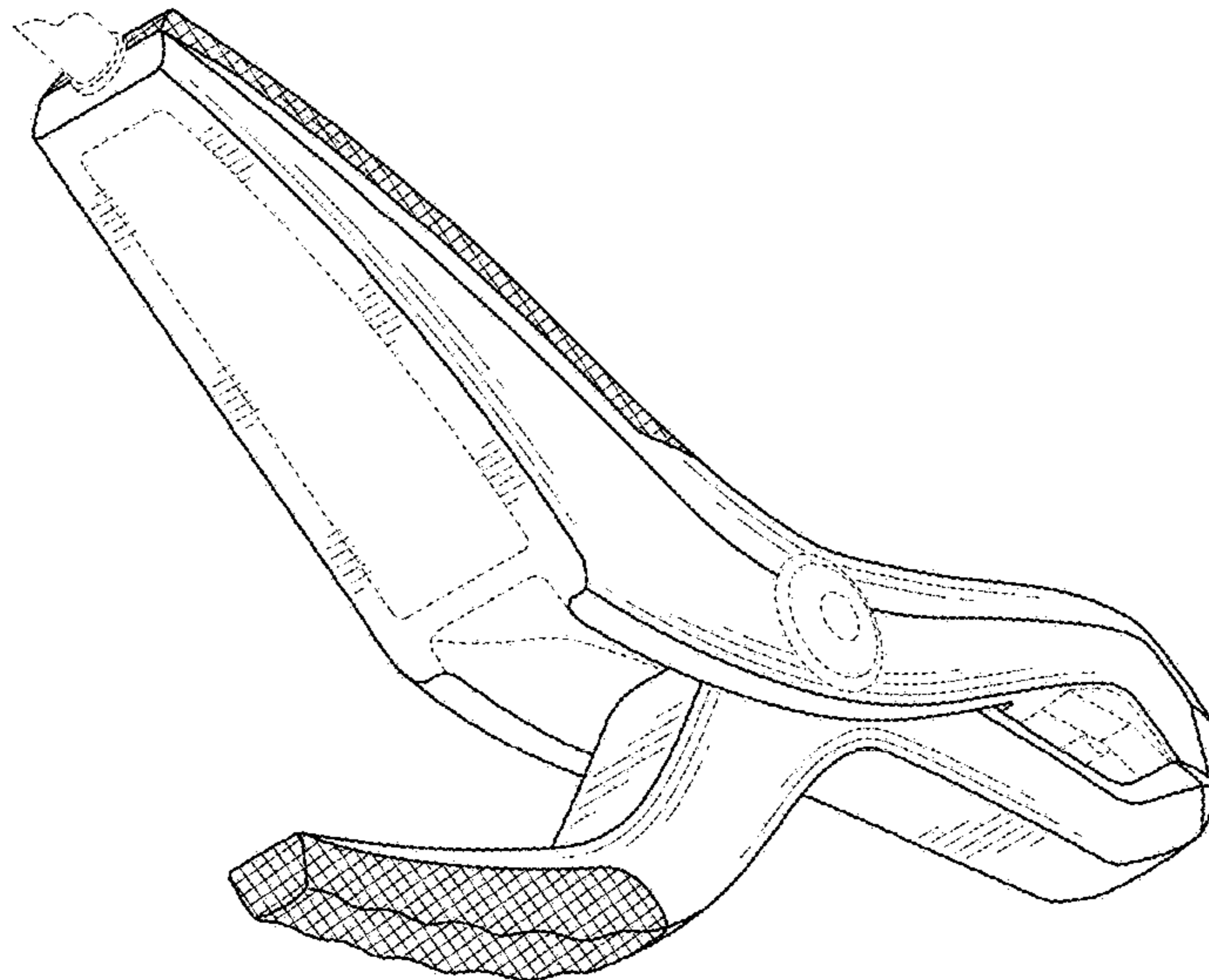
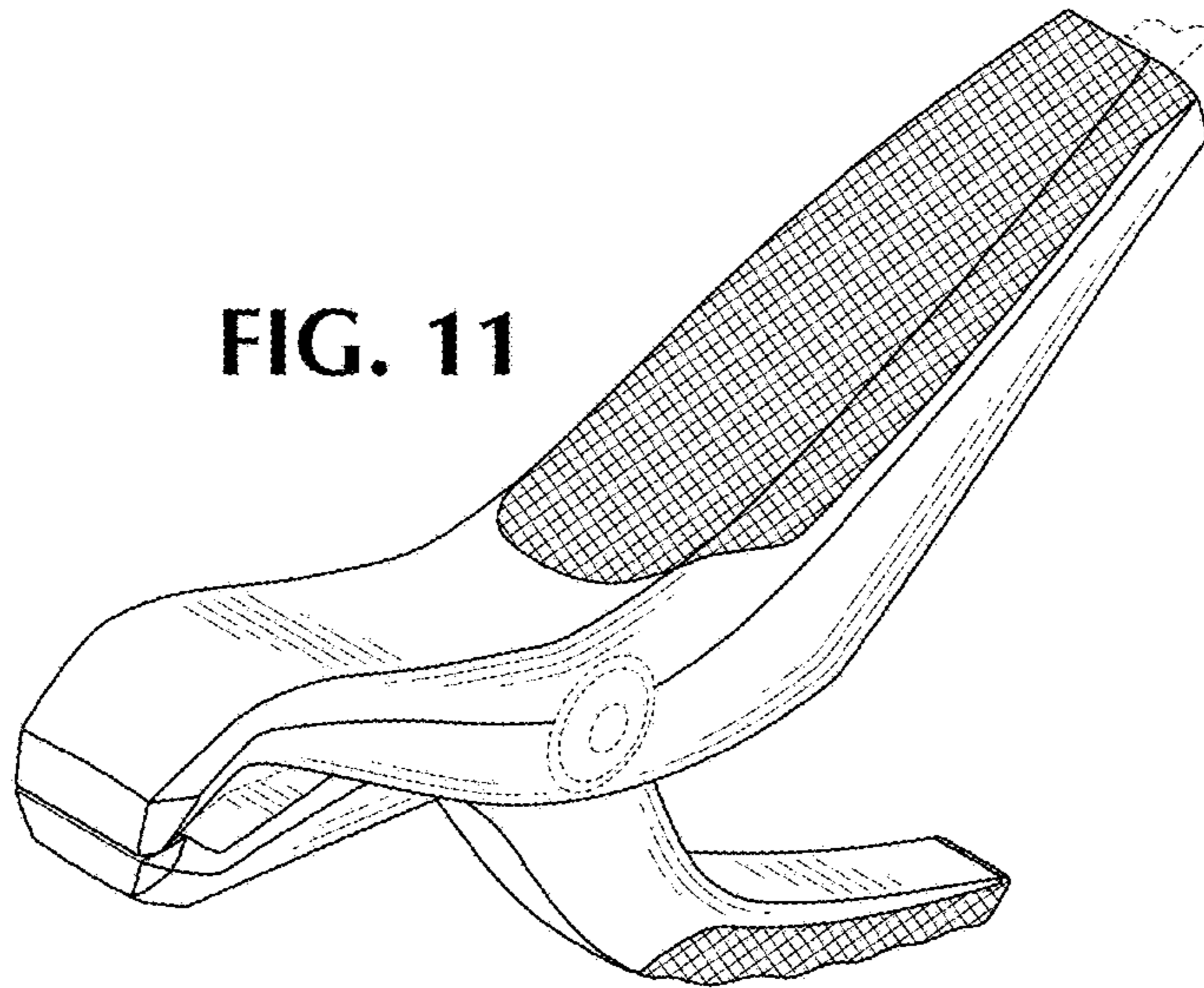


FIG. 12