



US00D845481S

(12) **United States Design Patent** (10) **Patent No.:** **US D845,481 S**
Lautemann et al. (45) **Date of Patent:** **** *Apr. 9, 2019**

(54) **ARTHROSCOPIC MEDICAL INSTRUMENT**

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- (*) Notice: This patent is subject to a terminal dis-
claimer.
- (**) Term: **15 Years**

(21) Appl. No.: **29/535,686**

(22) Filed: **Aug. 10, 2015**

(30) **Foreign Application Priority Data**

Feb. 9, 2015 (EM) 002629394-0003

(51) **LOC (11) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/146**

(58) **Field of Classification Search**
USPC D24/133, 135, 144, 146-148; D8/19, 16;
600/564, 570
CPC .. G09F 3/00; A61B 8/00; A61B 19/00; A61B
18/18; A61B 17/3207; A61B 17/3205;
A61B 17/32; A61B 17/28; A61B 17/24;
A61B 17/22; A61B 17/16; A61B 17/14;
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,397,320 A * 3/1995 Essig A61B 17/221
606/110
- 5,667,480 A * 9/1997 Knight A61B 1/018
128/898
- D391,370 S * 2/1998 Cho D24/147
(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 29/514,374, filed Jan. 12, 2015, Huegle et al.
(Continued)

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(57) **CLAIM**

The ornamental design for an arthroscopic medical instru-
ment, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective enlarged partial view of an
arthroscopic medical instrument according to the present
invention.

FIG. 2 is a front enlarged partial view of the arthroscopic
medical instrument of FIG. 1.

FIG. 3 is a rear enlarged partial view of the arthroscopic
medical instrument of FIG. 1.

FIG. 4 is a left side enlarged partial view of the arthroscopic
medical instrument of FIG. 1.

FIG. 5 is a right side enlarged partial view of the
arthroscopic medical instrument of FIG. 1.

FIG. 6 is a top enlarged partial view of the arthroscopic
medical instrument of FIG. 1.

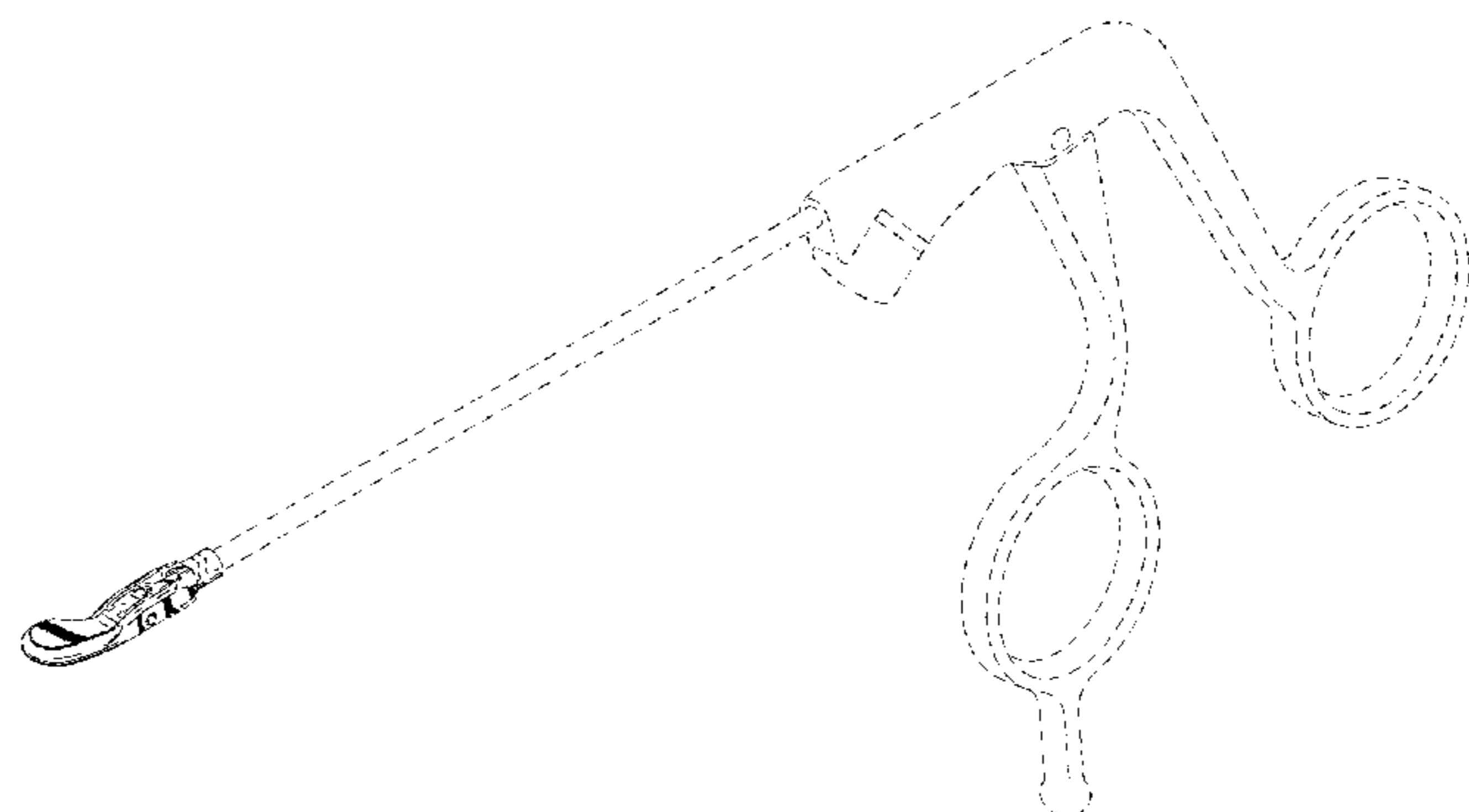
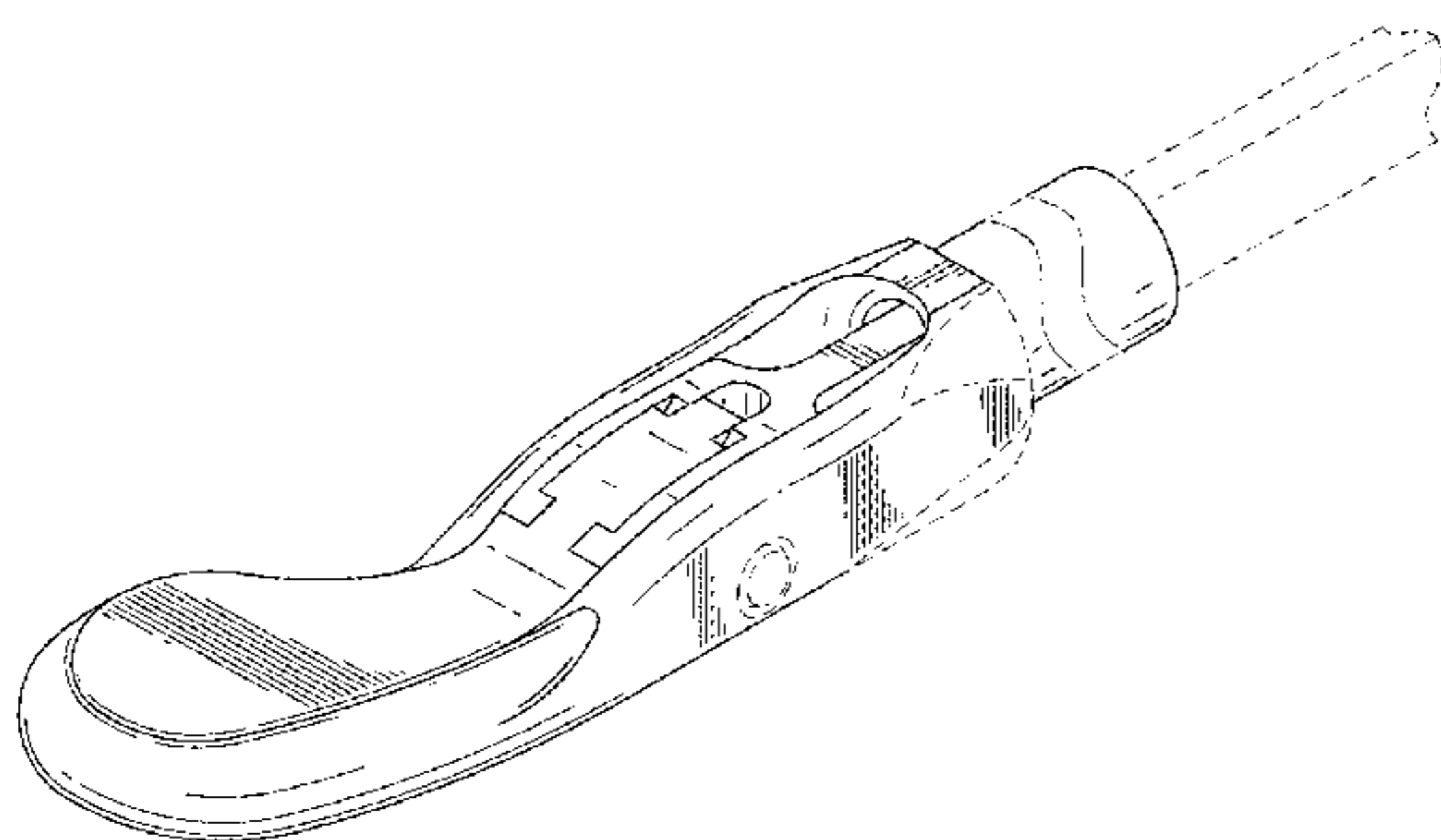
FIG. 7 is a bottom enlarged partial view of the arthroscopic
medical instrument of FIG. 1; and,

FIG. 8 is a front perspective view of the arthroscopic
medical instrument.

The arthroscopic medical instrument is shown with a sym-
bolic break in its length. The appearance of any portion of
the article between the break lines forms no part of the
claimed design.

The evenly spaced broken lines illustrate environment that
does not form part of the claim; the dash-dot-dash lines
represent claim boundaries and form no part of the claim.

1 Claim, 7 Drawing Sheets



(58) **Field of Classification Search**
 CPC A61B 17/00; A61B 10/06; A61B 10/04;
 A61B 10/02; A61B 1/12; A61B 1/00
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,851,212 A * 12/1998 Zirps A61B 17/32002
 606/167
 5,902,315 A * 5/1999 DuBois A61B 1/018
 600/210
 6,010,523 A * 1/2000 Sabin A61B 10/06
 600/562
 D438,305 S * 2/2001 Ripich D24/147
 D496,102 S * 9/2004 Watermeier D24/133
 6,960,164 B2 * 11/2005 O’Heeron A61B 17/3417
 600/114
 D548,836 S * 8/2007 Lang D24/146
 D610,680 S * 2/2010 Blocher D24/133
 D612,049 S * 3/2010 Baynham D24/133
 D626,223 S * 10/2010 Bender D24/135
 D629,902 S * 12/2010 Palmer D24/144
 D636,874 S * 4/2011 Palmer D24/146

7,985,239 B2 * 7/2011 Suzuki A61B 10/0096
 606/205
 D691,266 S 10/2013 Fink et al.
 D691,721 S 10/2013 Scheibel et al.
 D733,300 S * 6/2015 Bennett D24/147
 D737,442 S * 8/2015 Hasebe D24/146
 D738,502 S * 9/2015 Jian D24/146
 D756,513 S * 5/2016 Cheney D24/133
 D760,894 S * 7/2016 Cheney D24/133
 2003/0212343 A1 * 11/2003 Plishka A61B 10/0275
 600/564
 2009/0299217 A1 * 12/2009 Bleibach A61B 10/04
 600/564

OTHER PUBLICATIONS

Karl Storz, Silcut—The Art of Cutting,; Endbworld Art. 25 10.0, pp. 1-12 with English translation (Jun. 2015).
 Karl Storz “Silcut 1 Experience Meets Innovation,” Endoworld Art 47-3, pp. 1-12 (Jul. 2014).
 Karl Storz, “Arthroforce One: Experience Meets Innovation,” Endoworld Art. 47-2, pp. 1-8 with English translation (Mar. 2013).

* cited by examiner

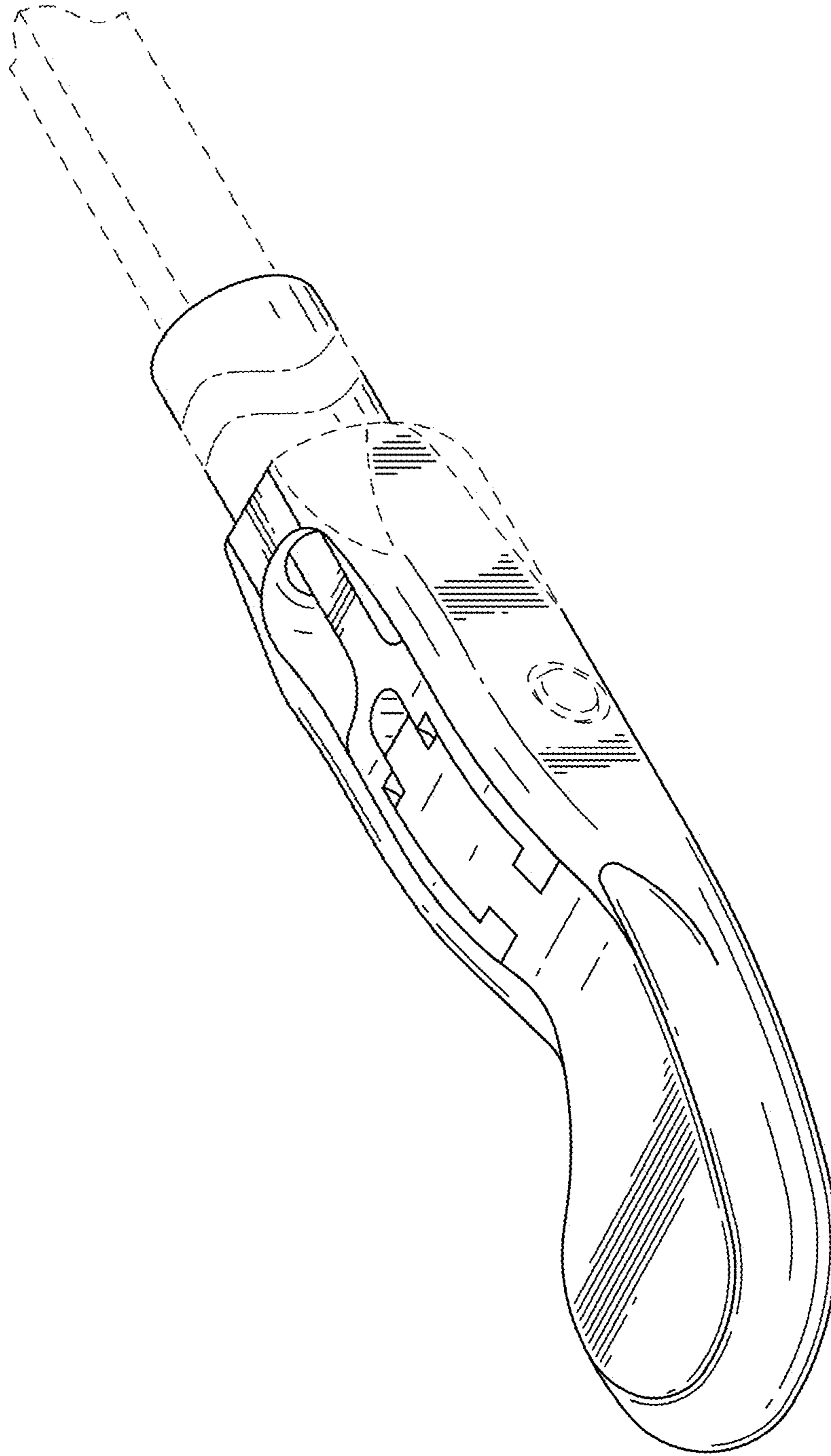


FIG.1

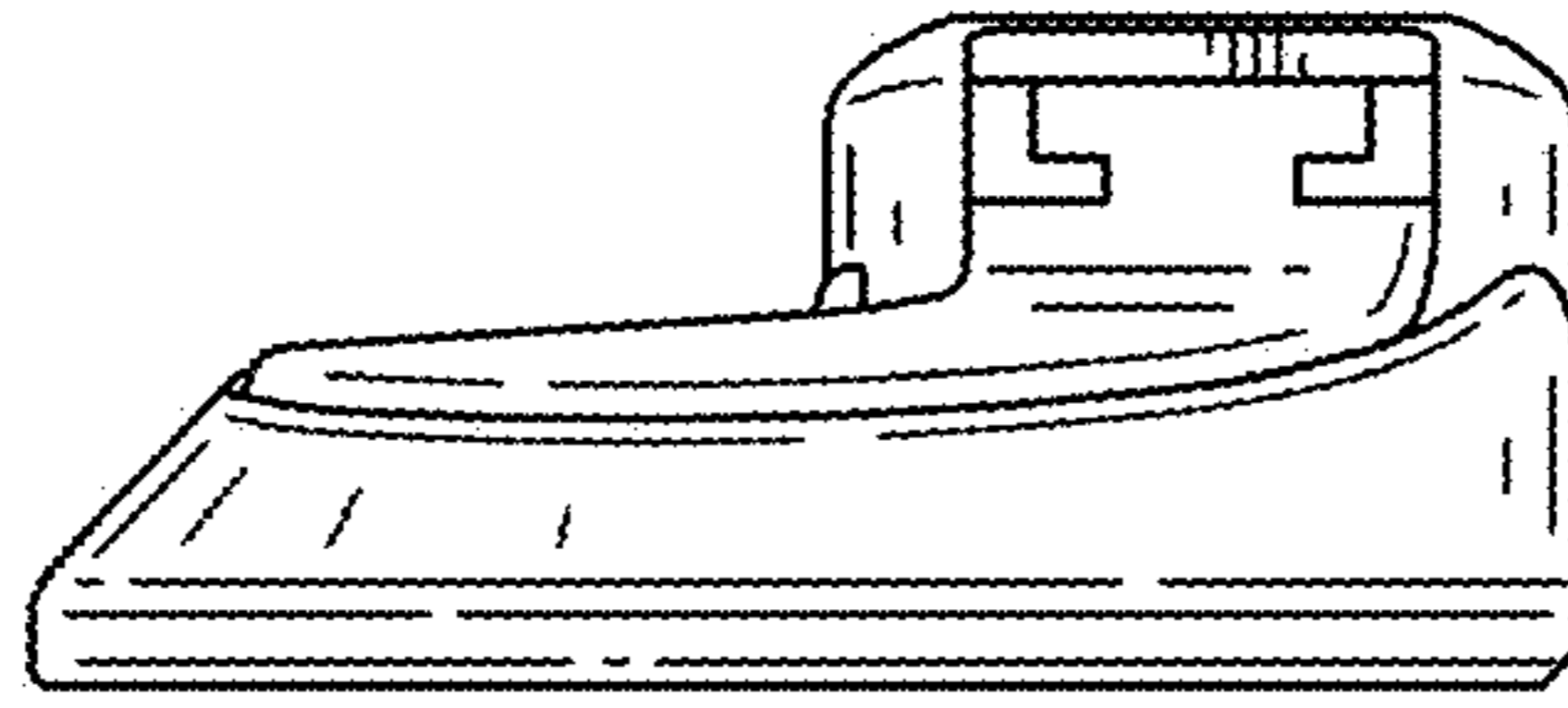


FIG. 2

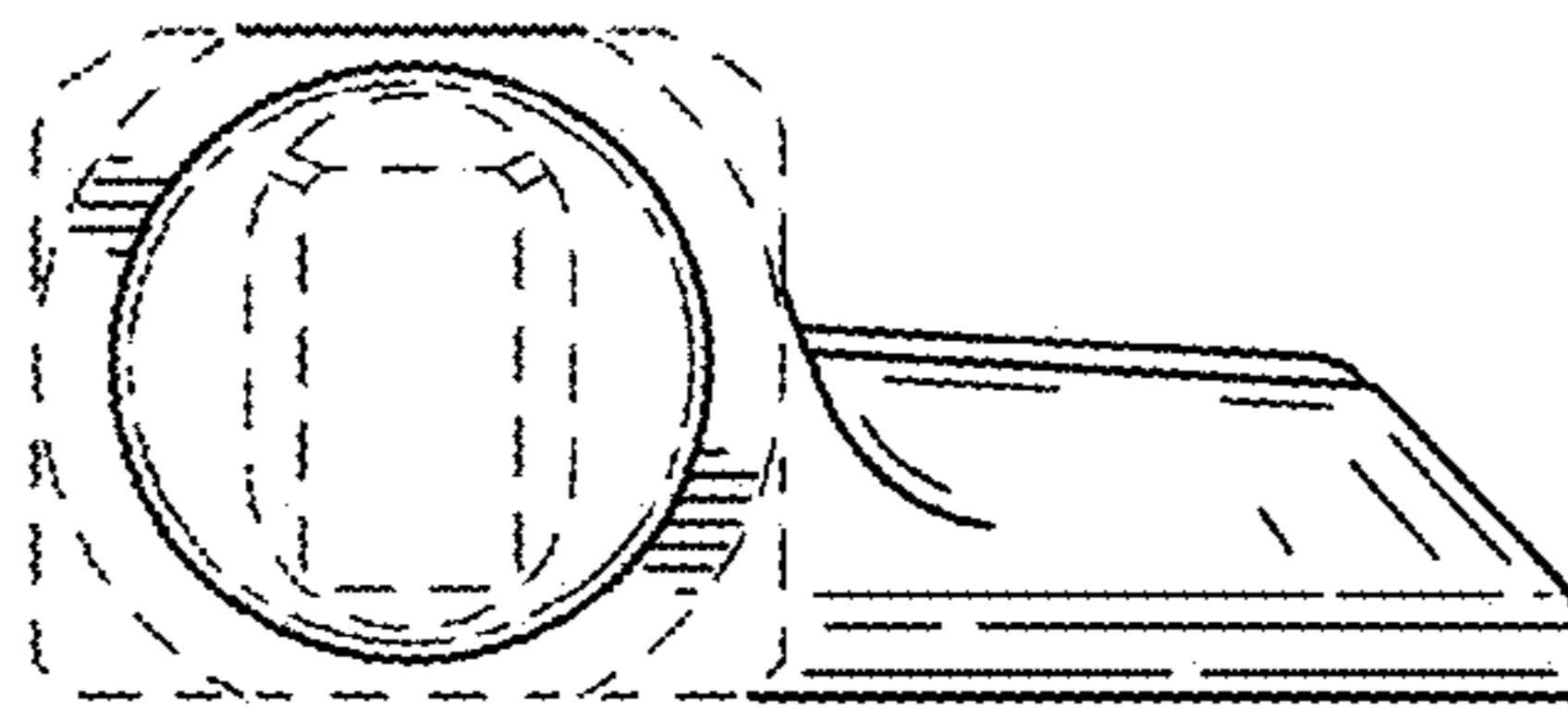


FIG. 3

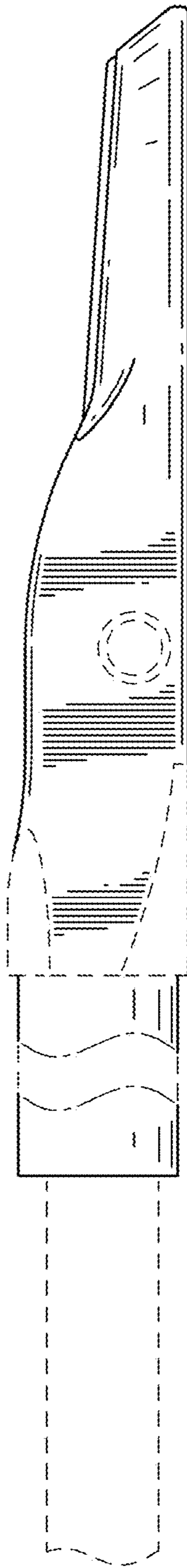


FIG. 4



FIG.5

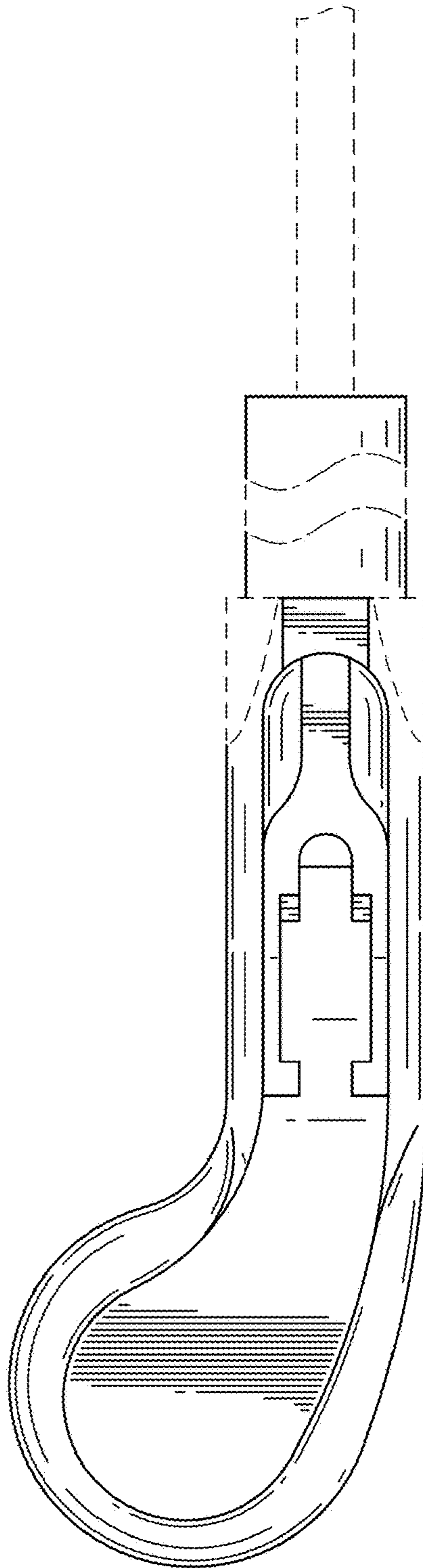


FIG. 6

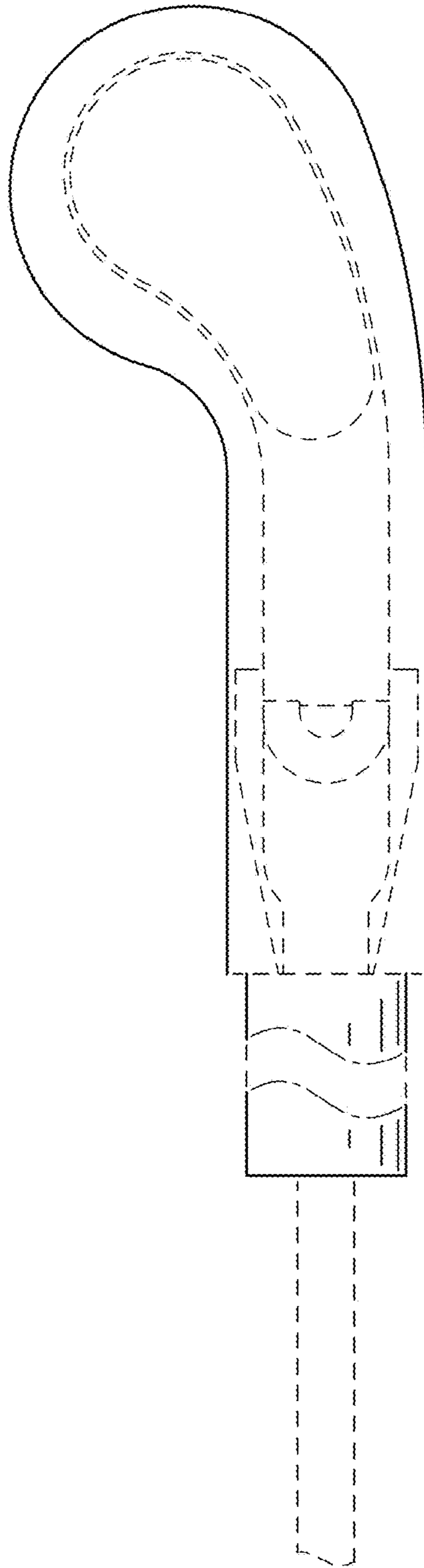


FIG.7

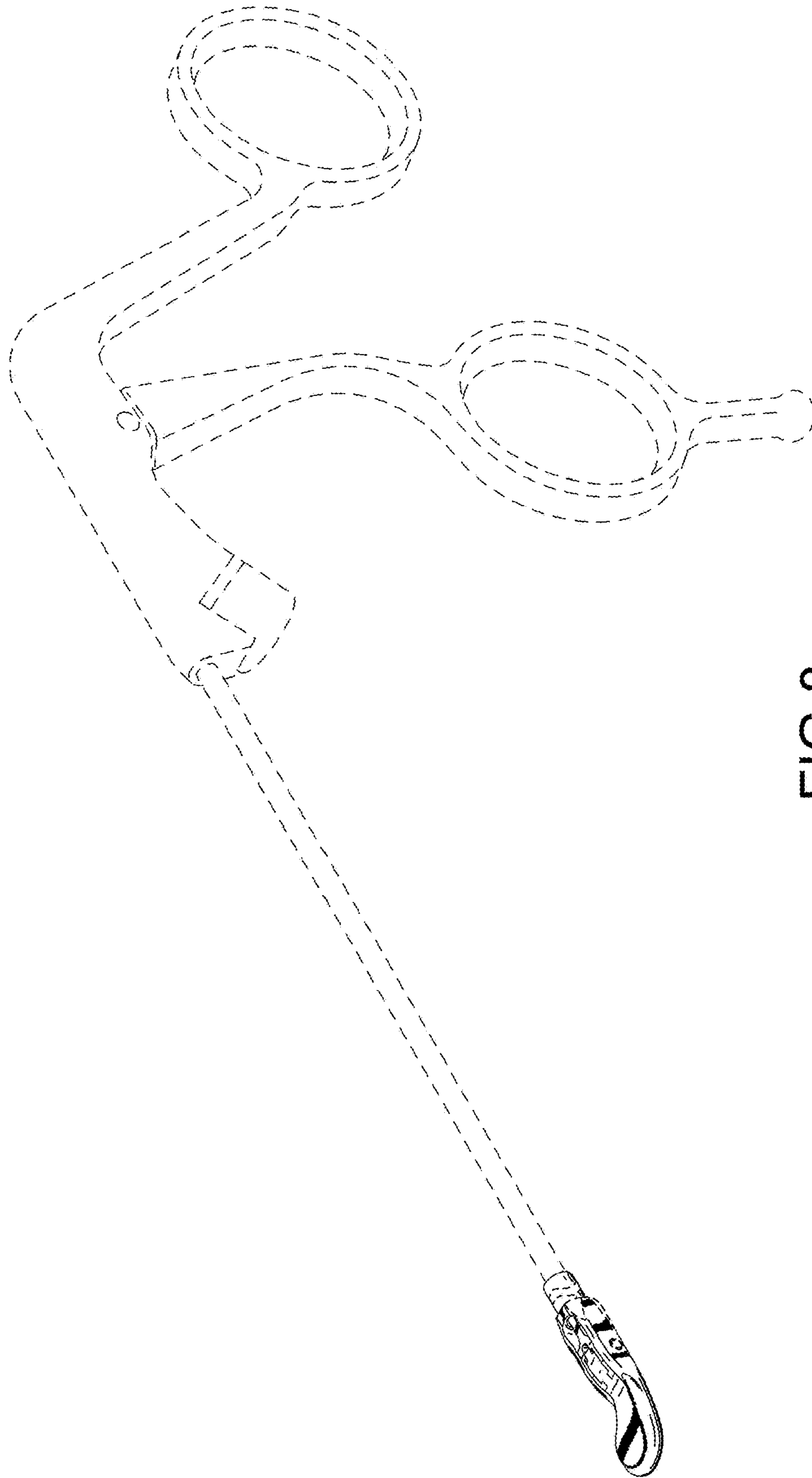


FIG. 8