



US00D847427S

(12) **United States Design Patent** (10) **Patent No.:** **US D847,427 S**
Shen (45) **Date of Patent:** **** Apr. 30, 2019**

(54) **HAIR CURLER**

(71) Applicant: **Shenzhen CKEYIN Technology Co., Ltd.**, Shenzhen, Guangdong (CN)

(72) Inventor: **Qian Shen**, Guangdong (CN)

(73) Assignee: **SHENZHEN CKEYIN TECHNOLOGY CO., LTD.**, Shenzhen (CN)

(**) Term: **15 Years**

(21) Appl. No.: **29/583,203**

(22) Filed: **Nov. 3, 2016**

(51) **LOC (11) Cl.** **28-03**

(52) **U.S. Cl.**
USPC **D28/35**

(58) **Field of Classification Search**
USPC D28/10, 35-38; 132/211, 223, 226-229, 132/237, 245, 254-255, 269; 219/222; 34/96-97
CPC ... A45D 1/00; A45D 1/02; A45D 1/04; A45D 2001/002; A45D 2001/004; A45D 2001/008

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,800,271 A * 4/1931 Wehner A45D 4/12
132/229
- 2,527,218 A * 10/1950 Heaton A45D 2/02
132/266
- 4,267,851 A * 5/1981 Plaisted A45D 1/04
132/229
- D281,021 S * 10/1985 Rittenhouse D28/29
- D558,395 S * 12/2007 Ceva D28/35
- D646,023 S * 9/2011 Kim D28/35
- D659,284 S * 5/2012 Amkie D28/35
- D724,268 S * 3/2015 Gardella D28/37

- D765,910 S * 9/2016 Bermudez D28/35
- 2007/0095810 A1 * 5/2007 Gniadek A45D 1/04
219/225
- 2010/0263223 A1 * 10/2010 Wynne A45D 20/12
34/97
- 2013/0263882 A1 * 10/2013 Kim A45D 1/04
132/229

(Continued)

OTHER PUBLICATIONS

Hair Curling Wand, Shenzhen Ckeyin Technology Co., posted at ckeyin.com, date and author not listed © Shenzhen Ckeyin Technology Co., Ltd, online, site visited May 3, 2018. Available from Internet, URL: <http://www.ckeyin.com/index.php?m=content&c=index&a=show&catid=45&id=4> (Year: 2018).*

(Continued)

Primary Examiner — Shannon W Morgan
Assistant Examiner — Altaira J Swangin
(74) *Attorney, Agent, or Firm* — Law Offices of Steven W. Weinrieb

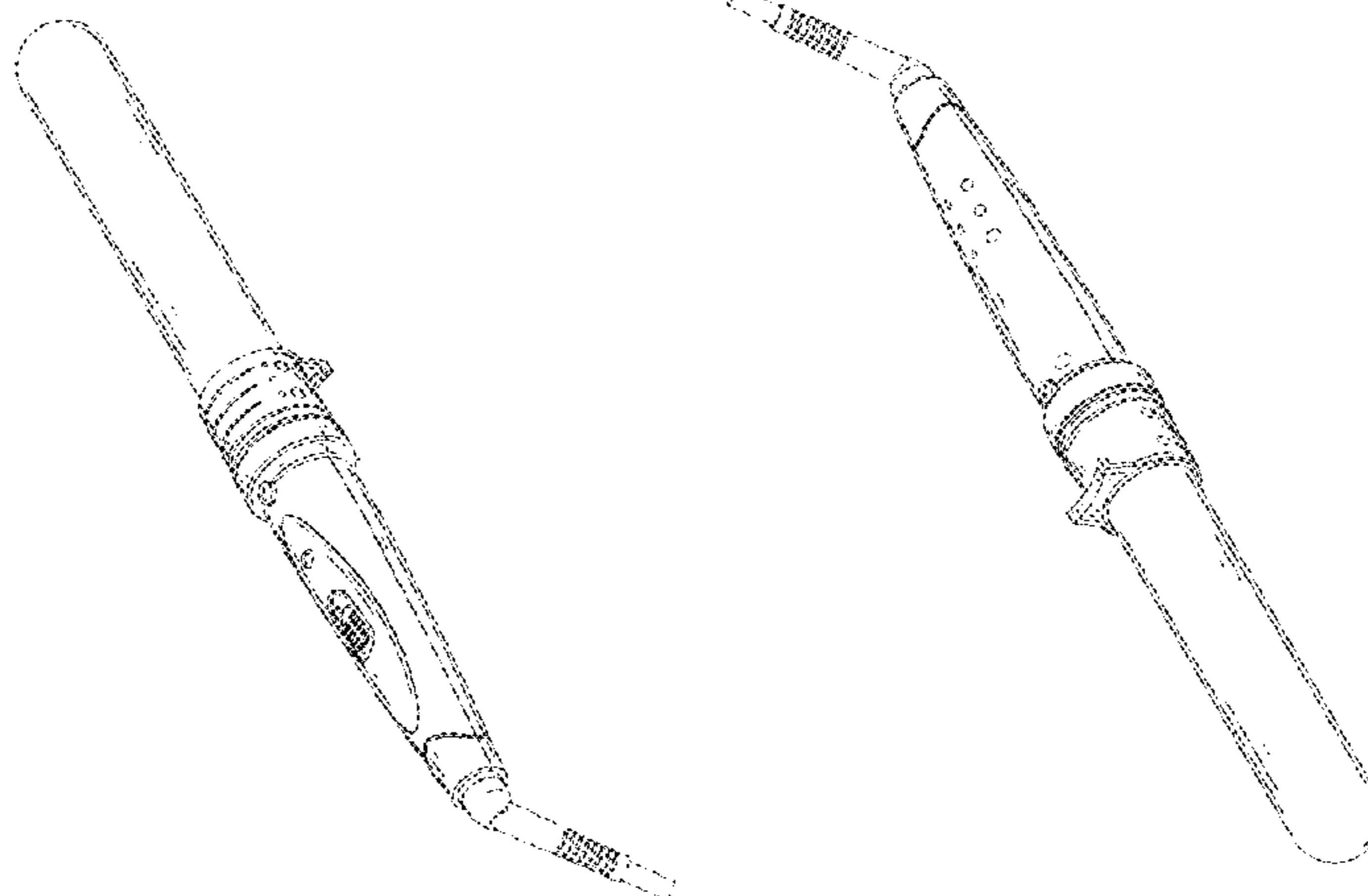
(57) **CLAIM**

The ornamental design for a hair curler, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a hair curler showing my new design;
FIG. 2 is a second perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings illustrate portions of the hair curler which form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0075551 A1* 3/2015 Richmond A45D 7/02
132/211
2015/0128985 A1* 5/2015 Lee A45D 1/02
132/211
2016/0302547 A1* 10/2016 Jones A45D 1/04
2018/0055176 A1* 3/2018 Wong A45D 1/04

OTHER PUBLICATIONS

Titan 3 Curling Wand, NuMe, posted at bondgirlglam.com, by Irina Bond on Mar. 3, 2016 © 2013-2018 Bond Girl Glam, online, site visited May 3, 2018. Available from Internet, URL: <https://bondgirlglam.com/battle-of-the-curling-wands-nume-t3-sultra-beachwaver/> (Year: 2016).*

Titan 3 Curling Wand, NuMe, posted at youtube.com, by Irina Bond on Apr. 22, 2015 © Standard YouTube license, online, site visited May 3, 2018. Available from Internet, URL: <https://www.youtube.com/watch?v=FD3rcQkqSbg&feature=youtu.be> (Year: 2015).*

5 in 1 Curling Iron Wand Set, MBQ, amazon.com, Apr. 28, 2016 by Amazon customer © 1996-2018 Amazon.com, online, site visited May 14, 2018. Available from Internet, URL: https://www.amazon.com/MQB-Curling-Interchangeable-Ceramic-Protective/dp/B019GM3N5Q/ref=sr_1_120_s_it?s=beauty&ie=UTF8&qid=1526311 (Year: 2016).*

* cited by examiner

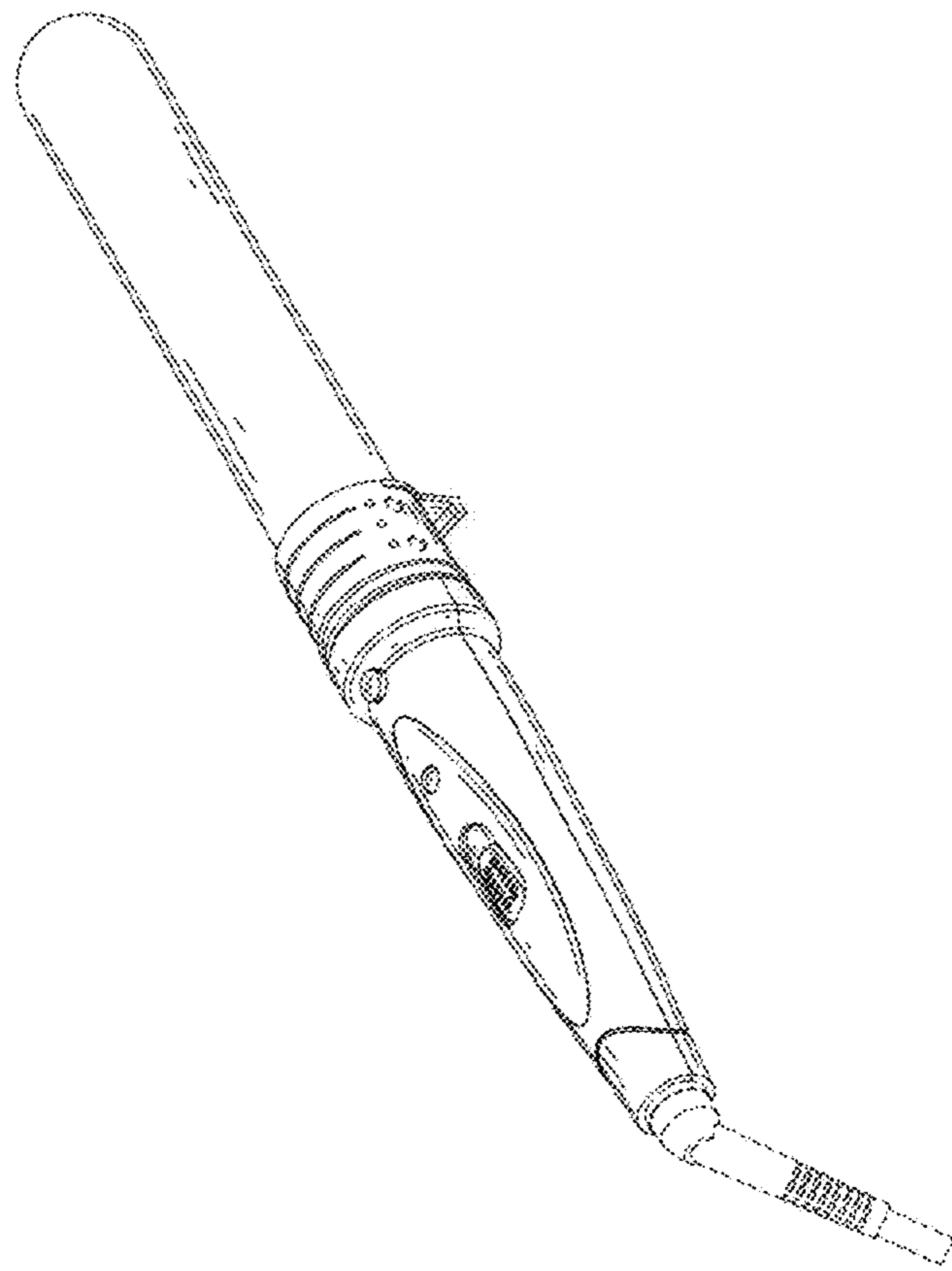


FIG. 1

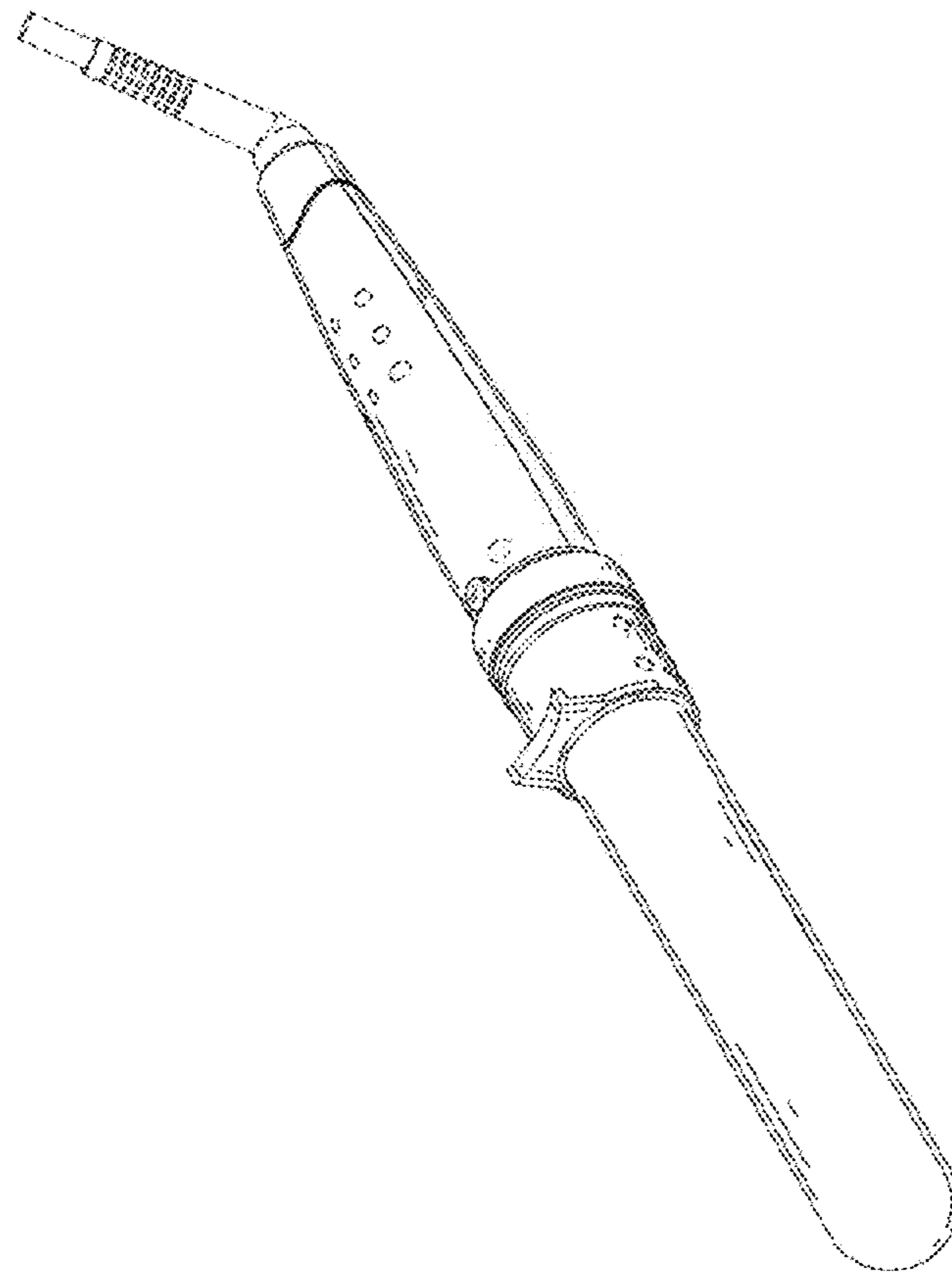


FIG. 2

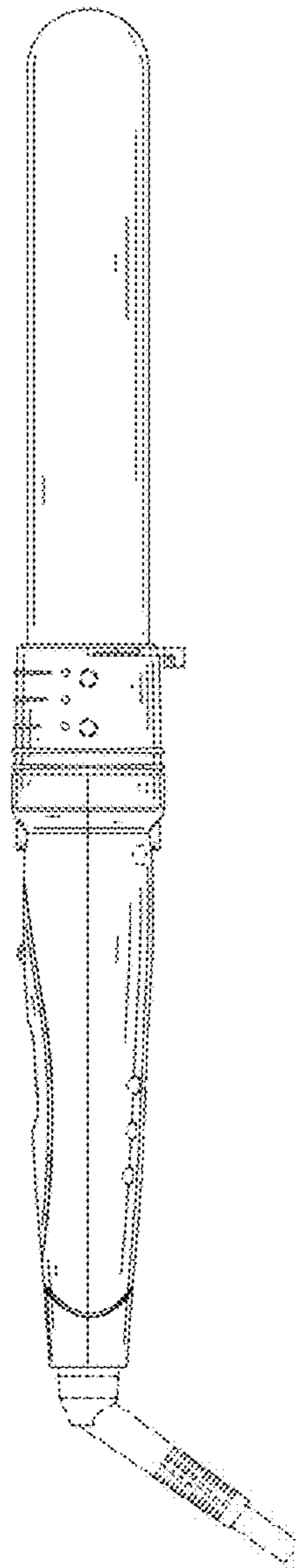


FIG. 3

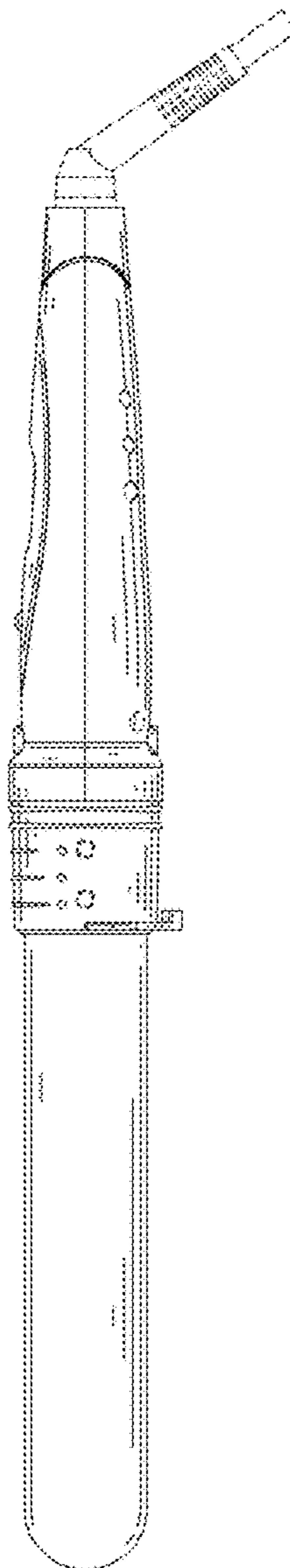


FIG. 4

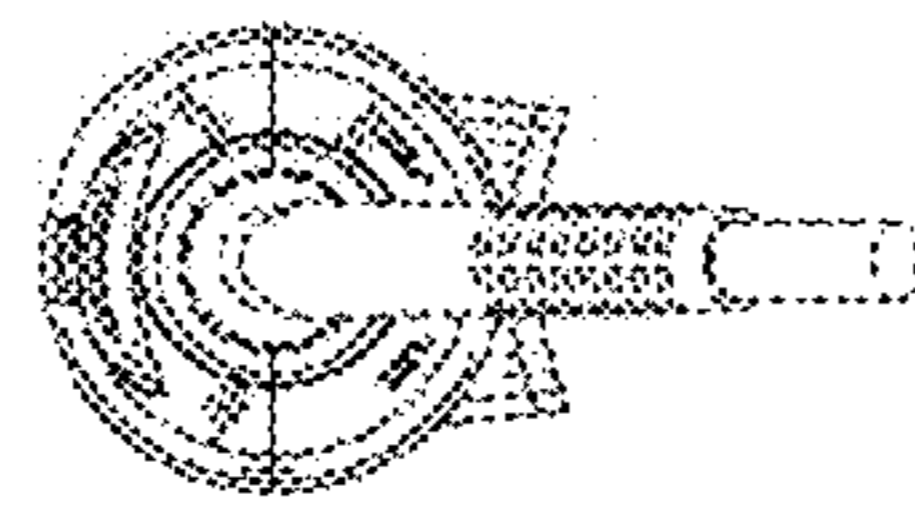


FIG. 5

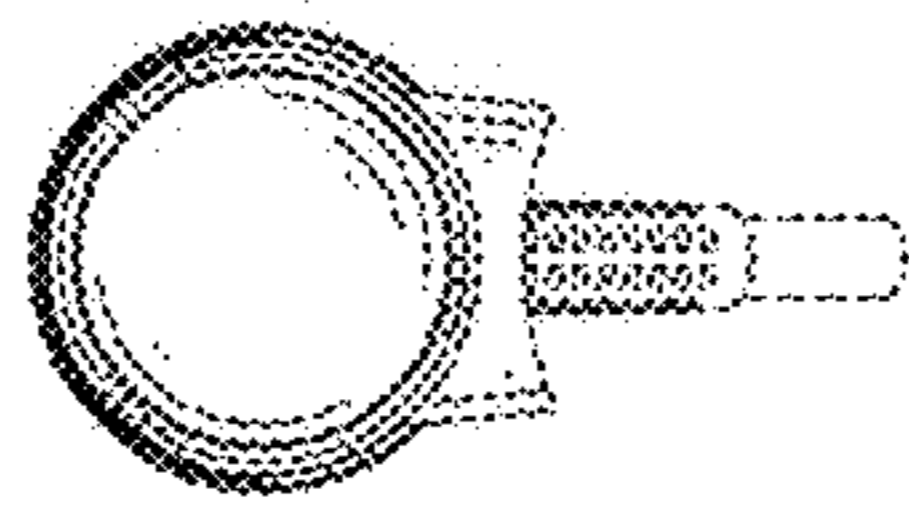


FIG. 6

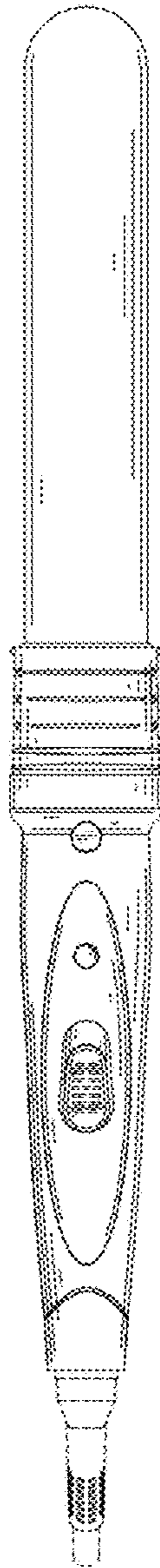


FIG. 7

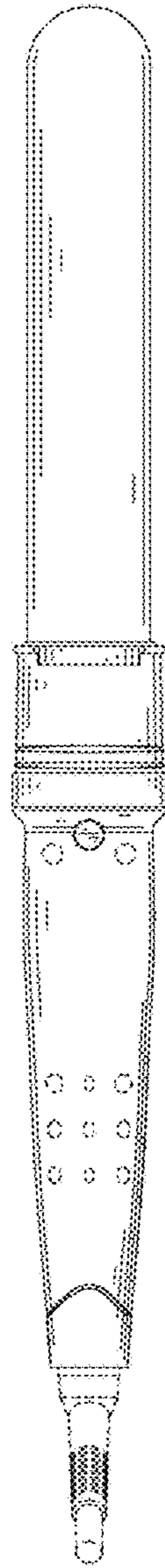


FIG. 8