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

(10) **Patent No.:** **US D949,652 S**

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- (54) **ELECTRIC SOLDERING IRON**
- (71) Applicant: **T&G INDUSTRIAL LIMITED**, Hong Kong (CN)
- (72) Inventor: **Li Tian**, Shenzhen (CN)
- (73) Assignee: **T&G INDUSTRIAL LIMITED**, Hong Kong (CN)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/787,373**
- (22) Filed: **Jun. 6, 2021**
- (51) **LOC (13) Cl.** **08-05**
- (52) **U.S. Cl.**
USPC **D8/30; D15/144.2**
- (58) **Field of Classification Search**
USPC **D8/30; D15/144.2**
CPC ... **B23K 3/00; B23K 3/02; B23K 3/03; B23K 3/08**
See application file for complete search history.

- D559,055 S * 1/2008 Axinte D8/30
- D564,319 S * 3/2008 Tsai D8/30
- D626,809 S * 11/2010 Louet-Feisser D8/30
- D660,667 S * 5/2012 Miyazaki D8/30
- D698,378 S * 1/2014 Leiteritz D15/144.2
- D722,256 S * 2/2015 Kita D8/30
- D739,696 S * 9/2015 Miyazaki D8/30
- D787,907 S * 5/2017 Exley D8/30
- D810,532 S * 2/2018 Tsai D8/30
- D813,628 S * 3/2018 Tsai D8/30
- D813,629 S * 3/2018 Tsai D8/30
- D829,520 S * 10/2018 Miyazaki D8/30
- D837,848 S * 1/2019 Murphy D8/30
- D848,232 S * 5/2019 Tsai D8/30
- D852,596 S * 7/2019 Mantes D8/30
- D862,547 S * 10/2019 Xie D8/30
- D879,169 S * 3/2020 Xu D8/30
- D887,801 S * 6/2020 Li D8/30
- D888,529 S * 6/2020 Hartel D8/30

(Continued)

Primary Examiner — Michael C Stout
Assistant Examiner — Fitzgerald L Butac

(57) **CLAIM**

The ornamental design for an electric soldering iron, as shown and described.

DESCRIPTION

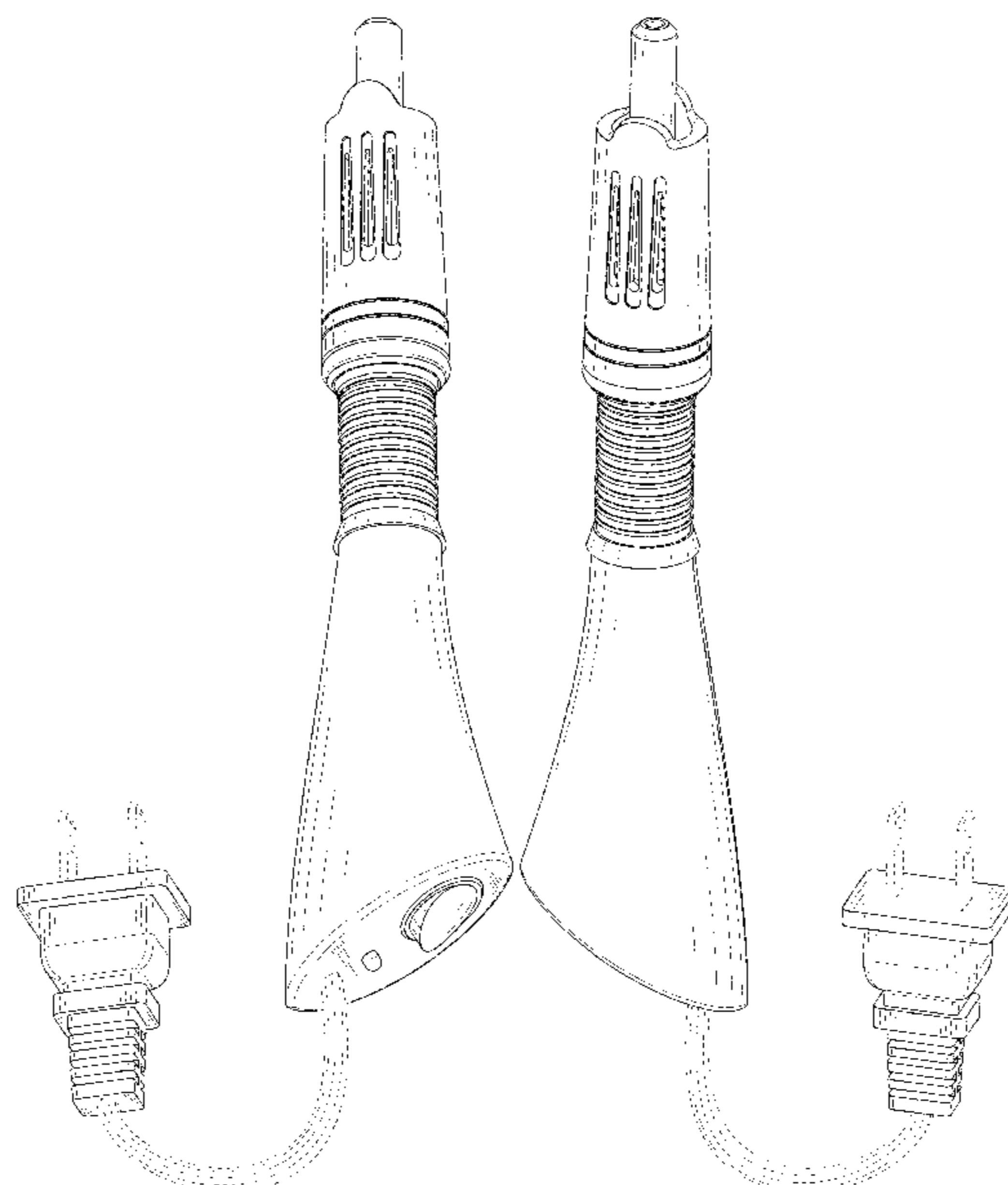
FIG. 1 is a perspective view of an electric soldering iron showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings depict portions of the electric soldering iron that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D194,318 S * 1/1963 Knowles D8/30
- D212,884 S * 12/1968 Disko D19/182
- D228,440 S * 9/1973 Mestrovic D8/30
- D243,147 S * 1/1977 Sylvester D8/30
- D295,017 S * 4/1988 Evenson D8/30
- D315,853 S * 4/1991 Zaborowski D8/30
- D317,704 S * 6/1991 Zaborowski D8/30
- D440,991 S * 4/2001 Fujiwara D15/144.2
- D442,447 S * 5/2001 Fujiwara D8/30
- D516,884 S * 3/2006 Axinte D8/30
- D522,328 S * 6/2006 Miyazaki D8/30
- D530,168 S * 10/2006 Doi D8/30
- D533,416 S * 12/2006 Axinte D8/30
- D549,255 S * 8/2007 Axinte D15/144
- D553,925 S * 10/2007 Axinte D8/30



(56)

References Cited

U.S. PATENT DOCUMENTS

D891,209 S *	7/2020	Gou	D8/30
D892,579 S *	8/2020	Cheng	D8/30
D897,172 S *	9/2020	Kita	D8/30
D897,173 S *	9/2020	Ding	D8/30

* cited by examiner

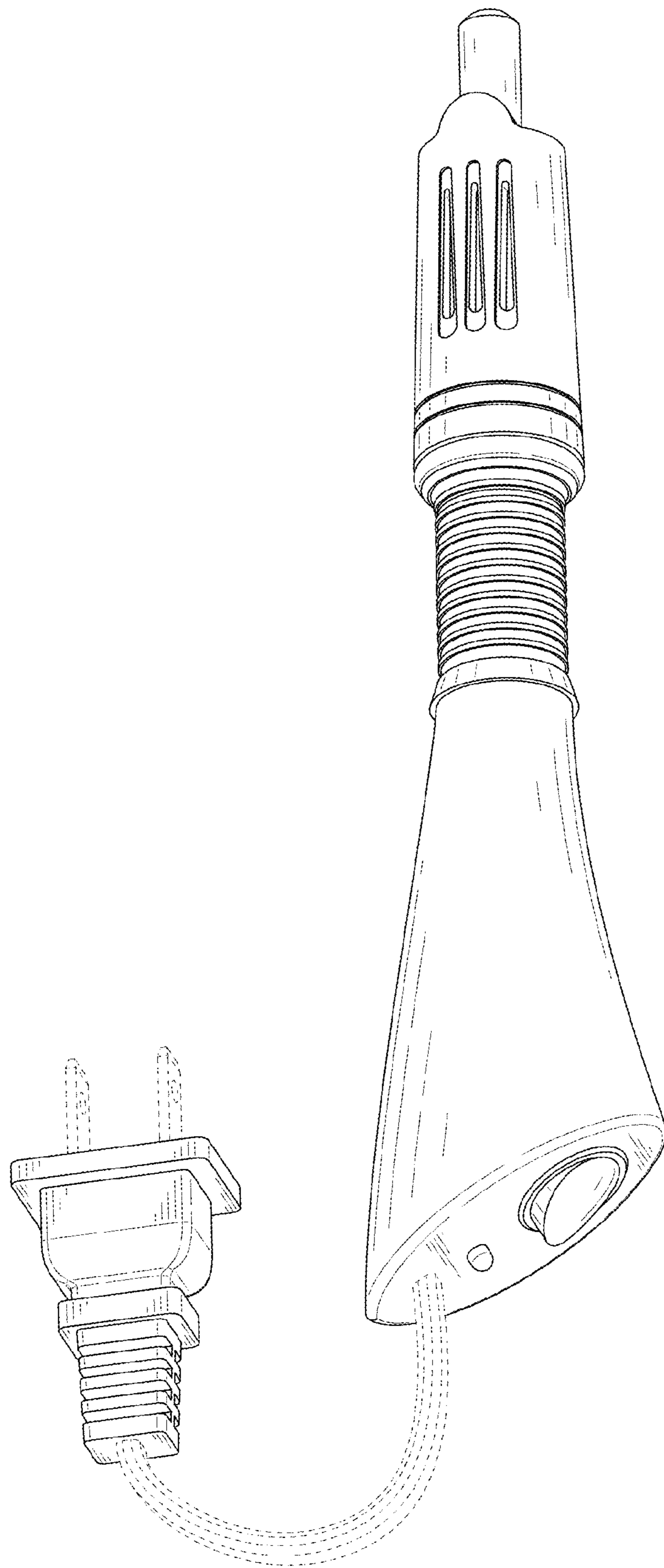


FIG. 1

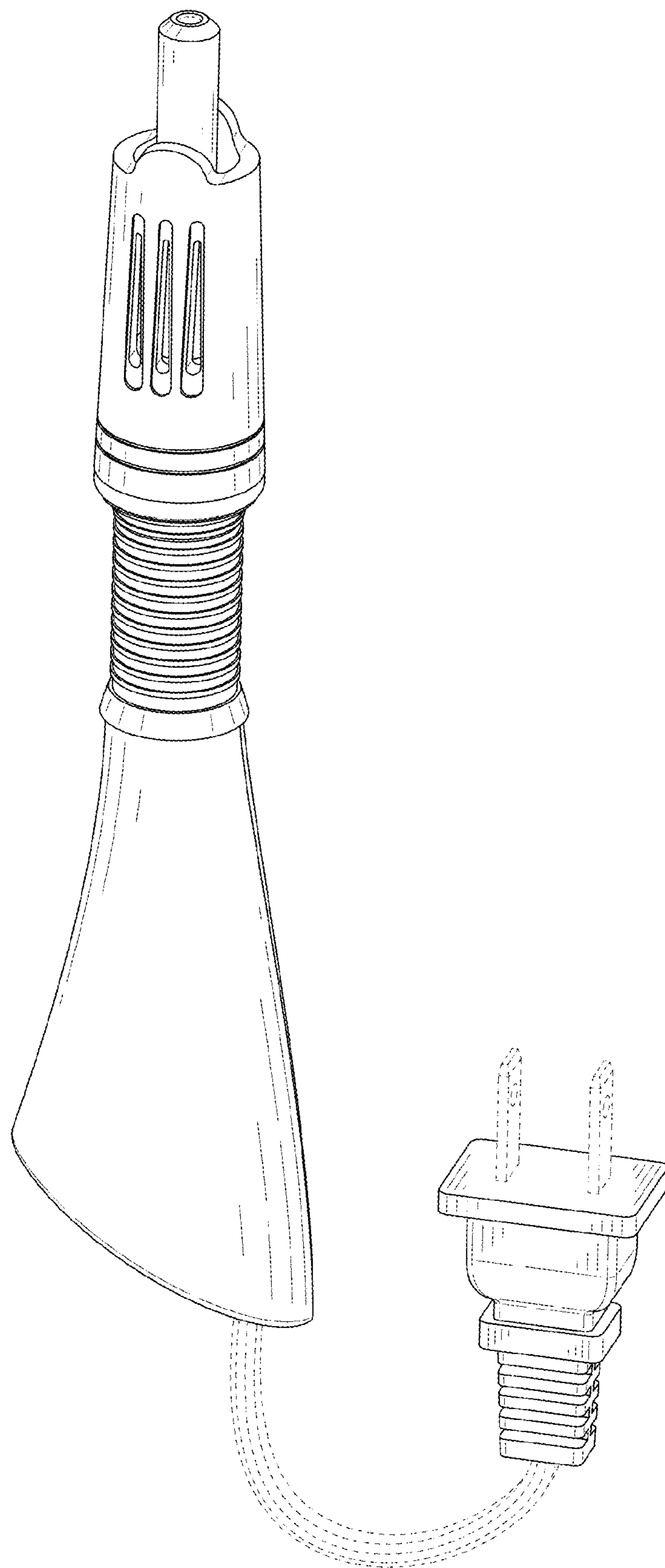


FIG. 2

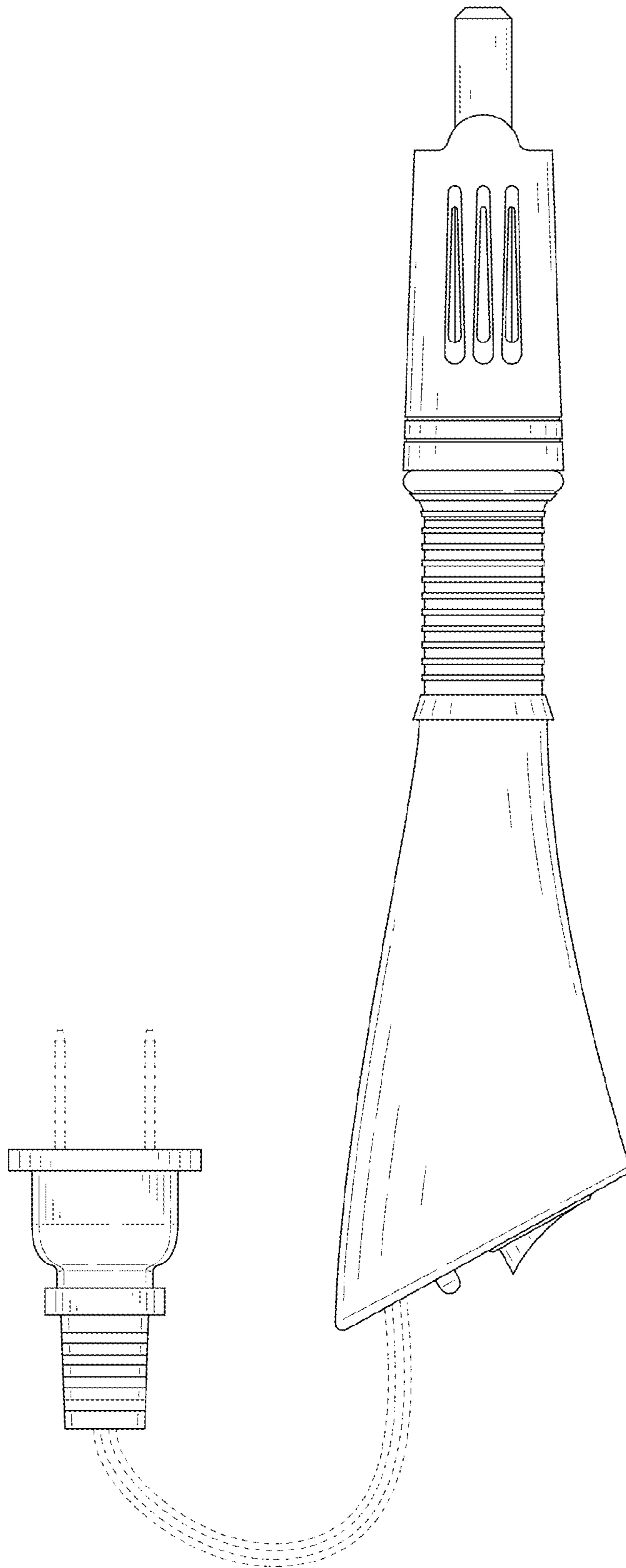


FIG. 3

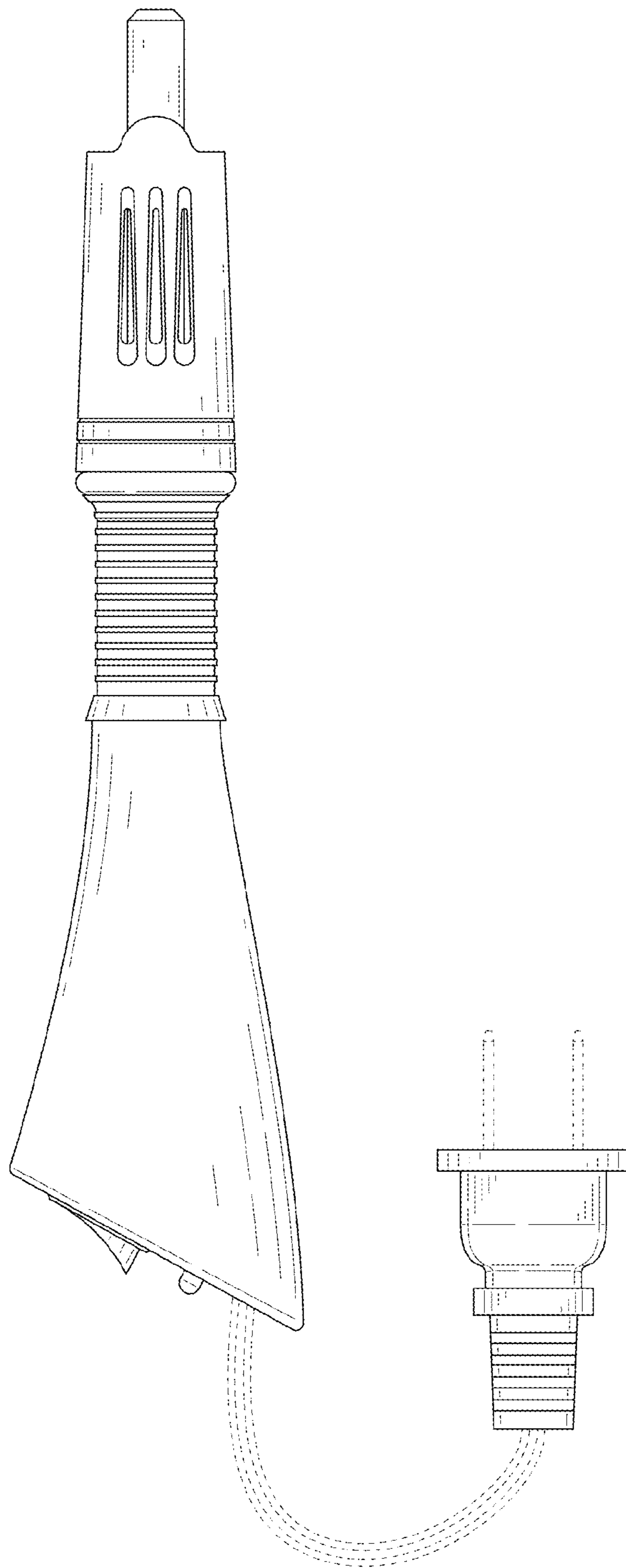


FIG. 4

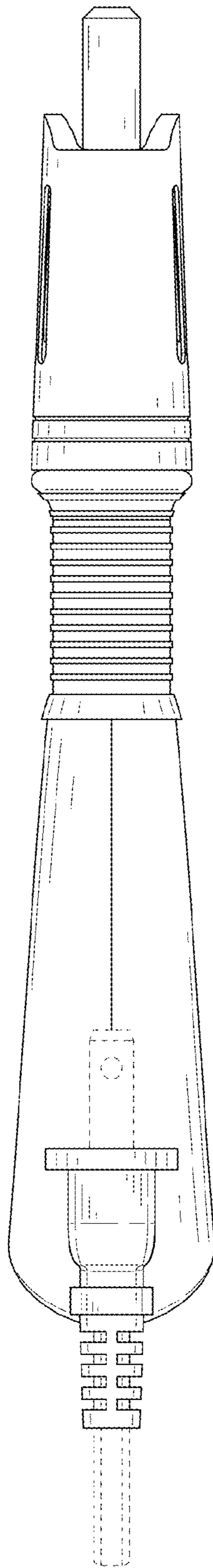


FIG. 5

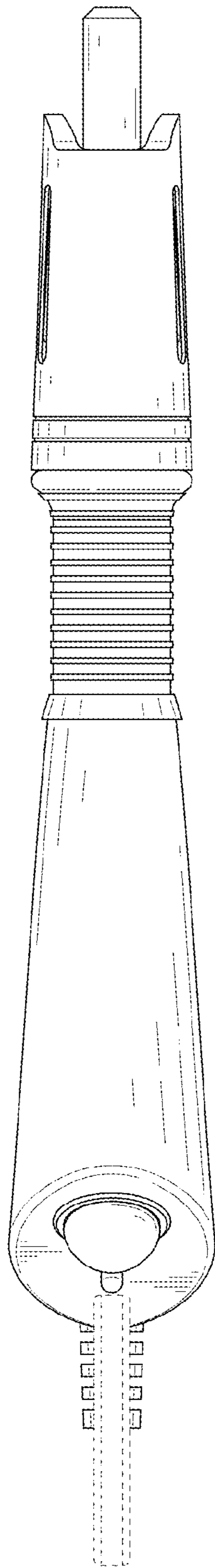


FIG. 6

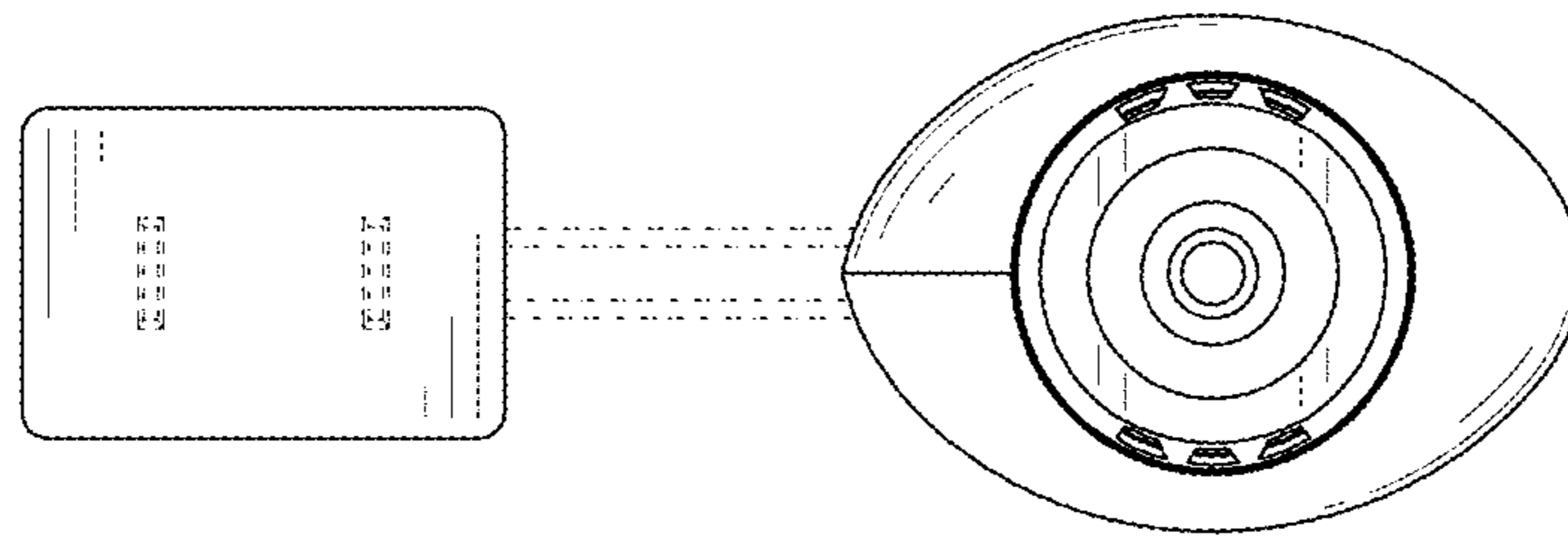


FIG. 7

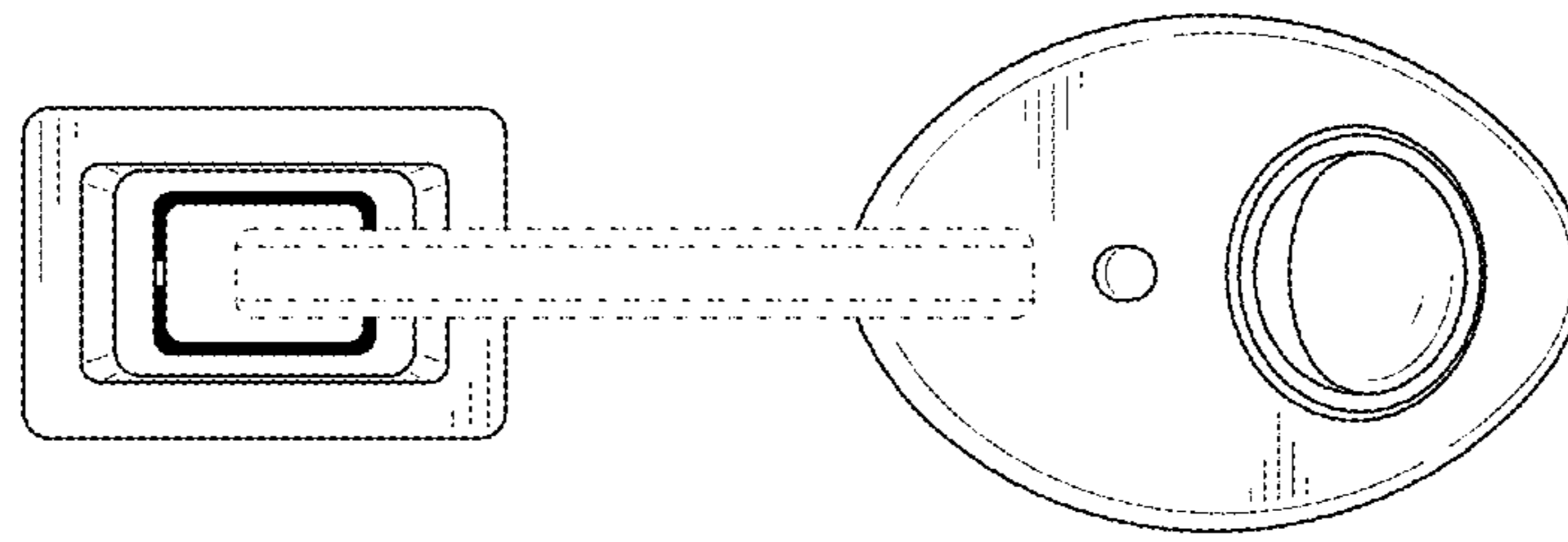


FIG. 8