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(12) **United States Design Patent** (10) **Patent No.:** **US D951,998 S**
Park (45) **Date of Patent:** **** May 17, 2022**

(54) **LIQUID PUMP HEAD**

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(73) Assignee: **DUKSHIN CORP., LTD.**, Incheon (KR)

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

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(51) **LOC (13) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**
USPC D15/7, 9, 143, 148–149, 199;
D23/212–213, 223–225, 231–233, 228,
D23/235; D14/165, 479, 499, 507;
D10/85; D24/108, 169, 186
CPC F15B 15/16; F15B 15/26; F15B 15/1414;
F15B 15/1919; F15B 15/14; F15B 15/00;
F15B 15/08; F15B 15/18; F15B 15/20;
F02M 37/04; F04D 29/4286
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D110,841 S * 8/1938 Tobler D23/226
D257,739 S * 12/1980 Luker D15/7
D280,991 S * 10/1985 Maruyama D15/7
D280,992 S * 10/1985 Maruyama D15/7
D295,522 S * 5/1988 Martin D15/7
D420,428 S * 2/2000 Willis D23/232
D466,584 S * 12/2002 Hubmann D23/213
D503,456 S * 3/2005 Chen D23/223
D639,390 S * 6/2011 Wu D23/226
D649,561 S * 11/2011 Bauck D15/7
D723,587 S * 3/2015 Park D15/7
D777,007 S * 1/2017 Park D8/107

D800,176 S * 10/2017 Soto D15/7
D803,892 S * 11/2017 Timmer D15/7
D856,374 S * 8/2019 Park D15/7
D886,943 S * 6/2020 Slamans D23/213
D900,964 S * 11/2020 Slamans D23/223
(Continued)

OTHER PUBLICATIONS

Lumax, LX-1329 Lever Action Chemical Pump with Siphon Function, (first available Nov. 23, 2016), Amazon.com, URL:<<https://www.amazon.com/dp/B01NA9SAW4>> (Year: 2016).*

(Continued)

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(57) **CLAIM**

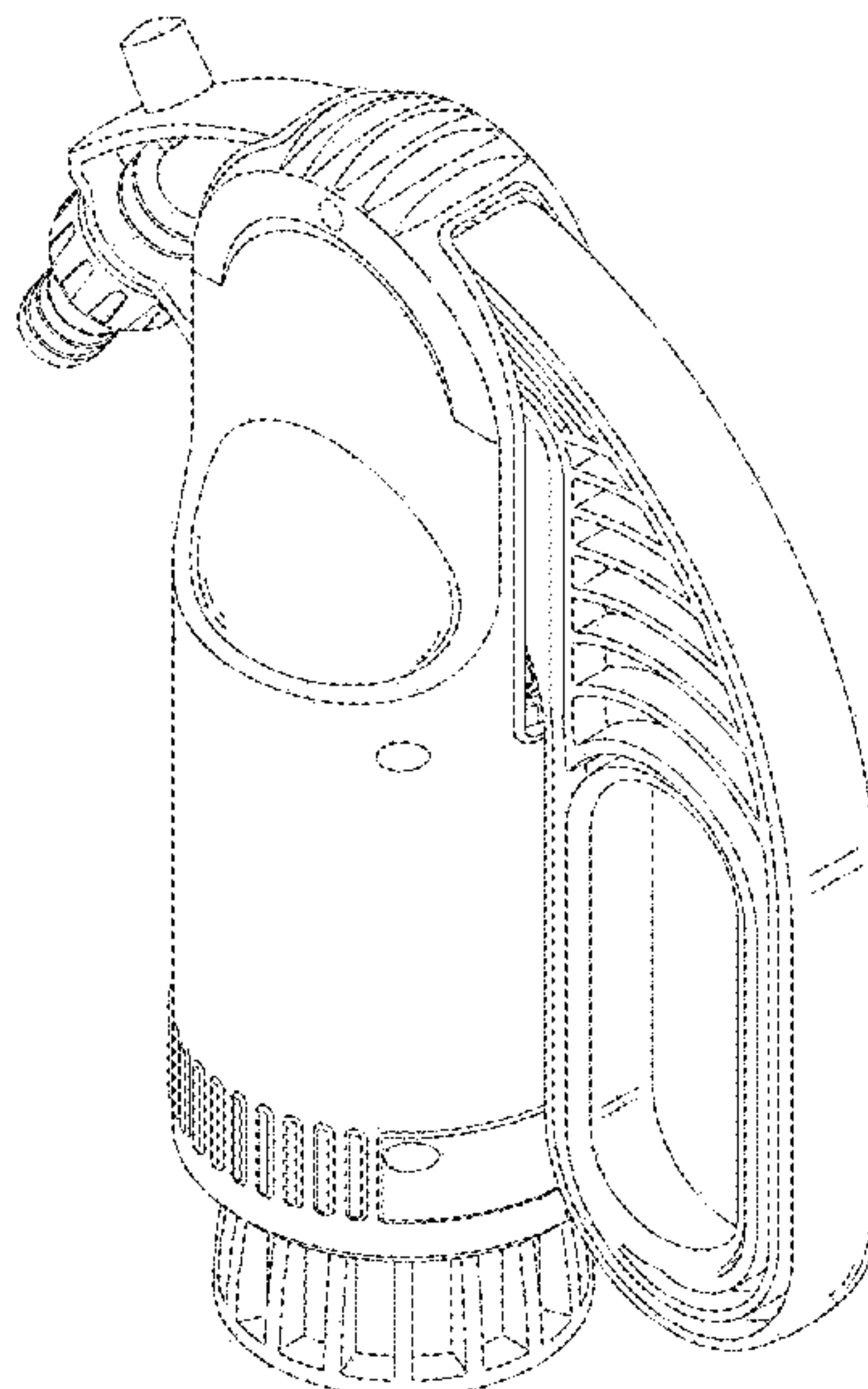
The ornamental design for a liquid pump head, as shown and described.

DESCRIPTION

FIG. 1 is a front, right side perspective view of a liquid pump head showing my new design;
FIG. 2 is front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is a perspective view thereof of the liquid pump head in use.

The broken lines in the drawings depict portions of the liquid pump head and form no part of the claimed design. The broken lines that make up the element that extends from the bottom of FIG. 8 illustrate environmental subject matter that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2013/0291955 A1 * 11/2013 Laible G05D 11/006
137/101.11

OTHER PUBLICATIONS

Samoa, Drain Pumps for Various Fluids “300 006”, (published Apr. 13, 2018), Gelins-KgK, URL:<<https://www.gelins-kgk.se/magazines/2018-04-13-14-54/mobile/index.html#p=125>>, p. 122 (Year: 2018).*

* cited by examiner

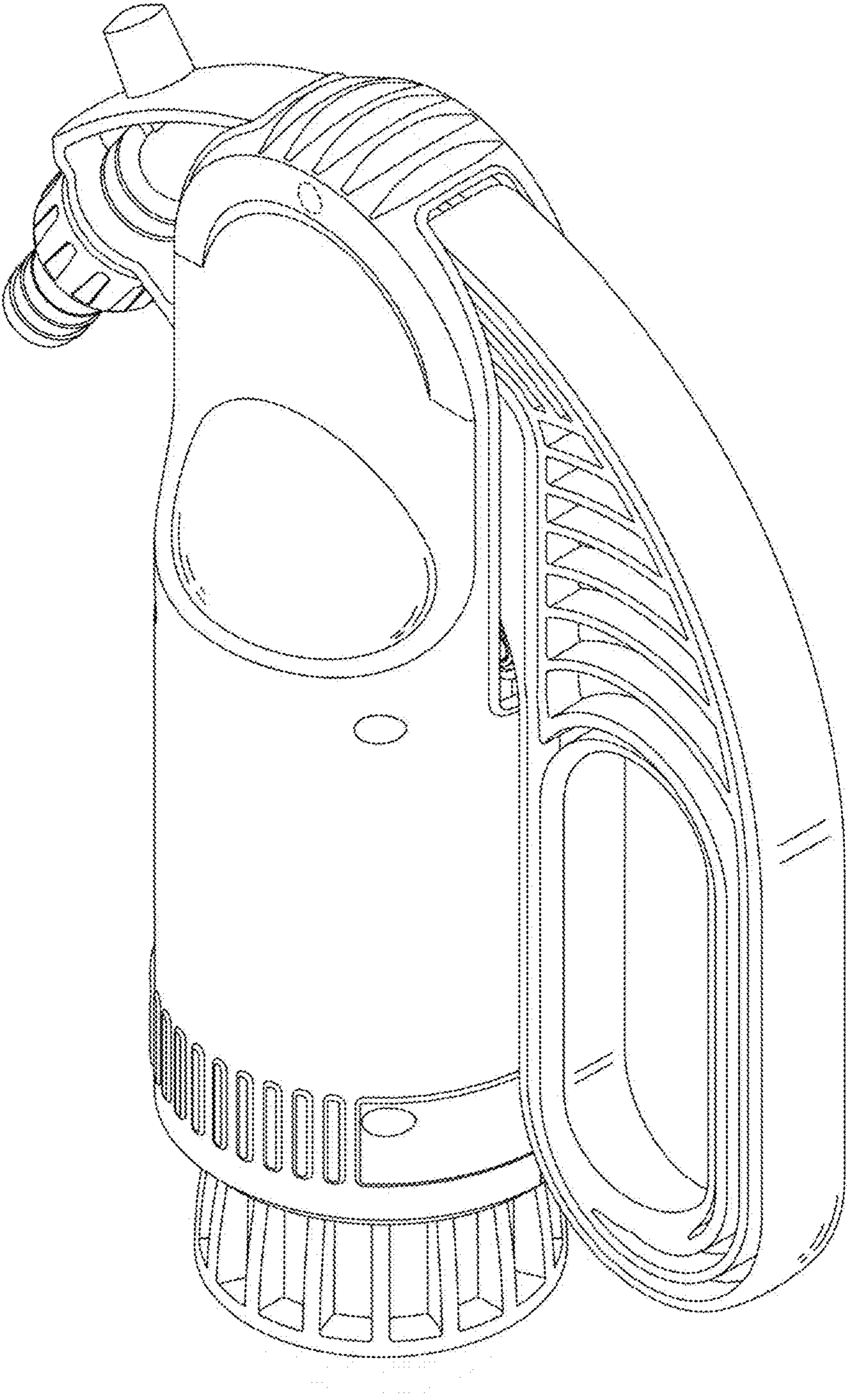


Fig. 1

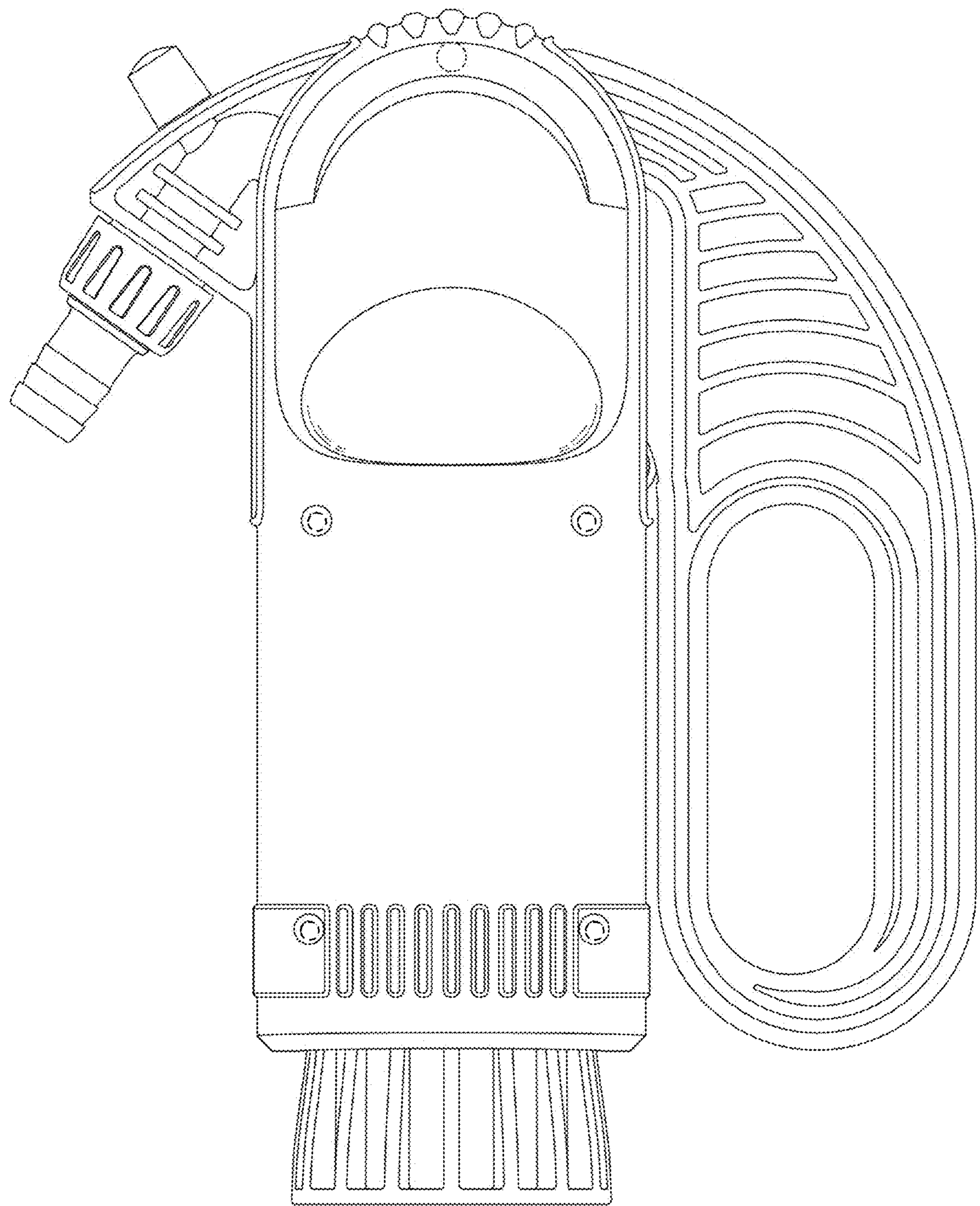


Fig. 2

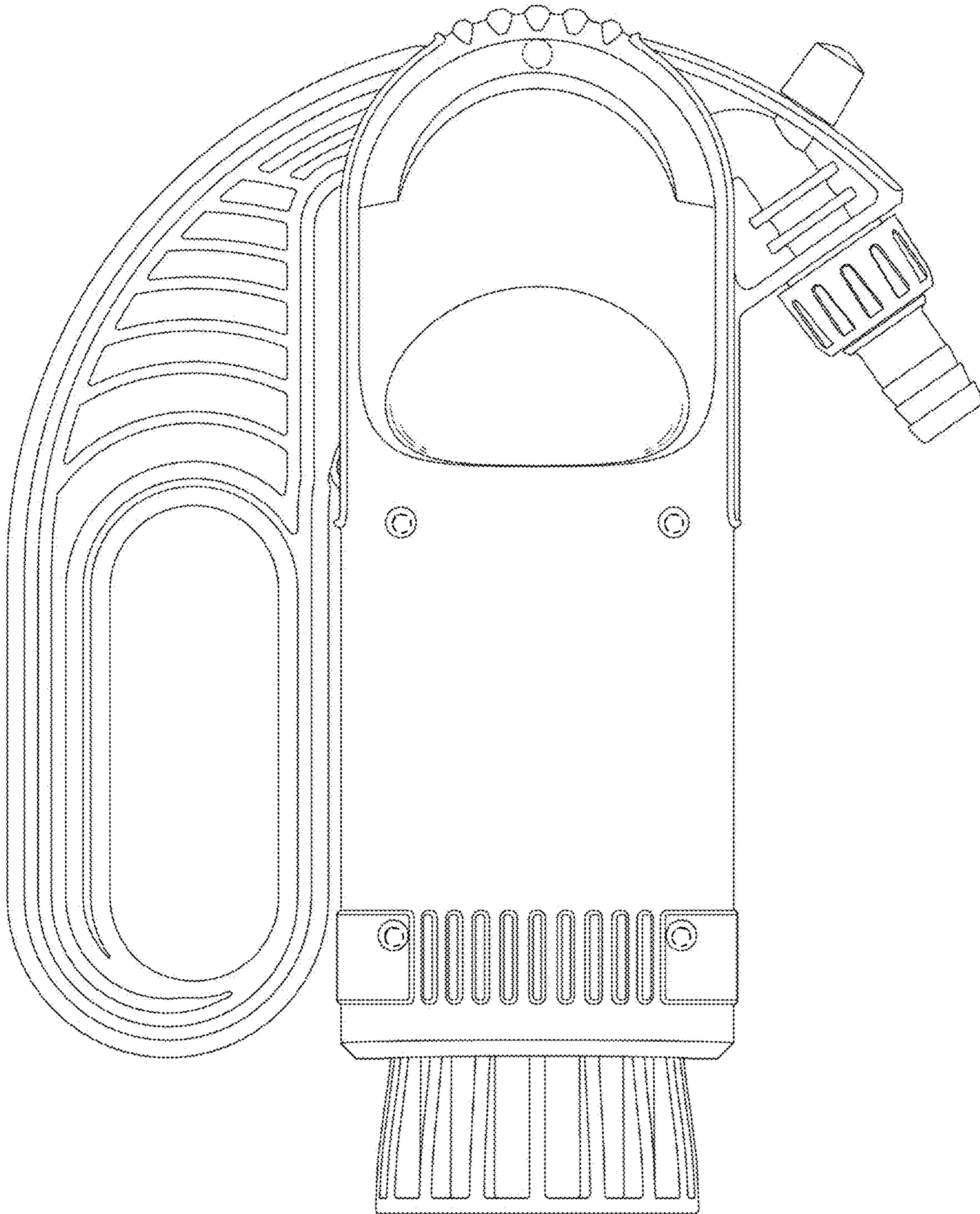


Fig. 3

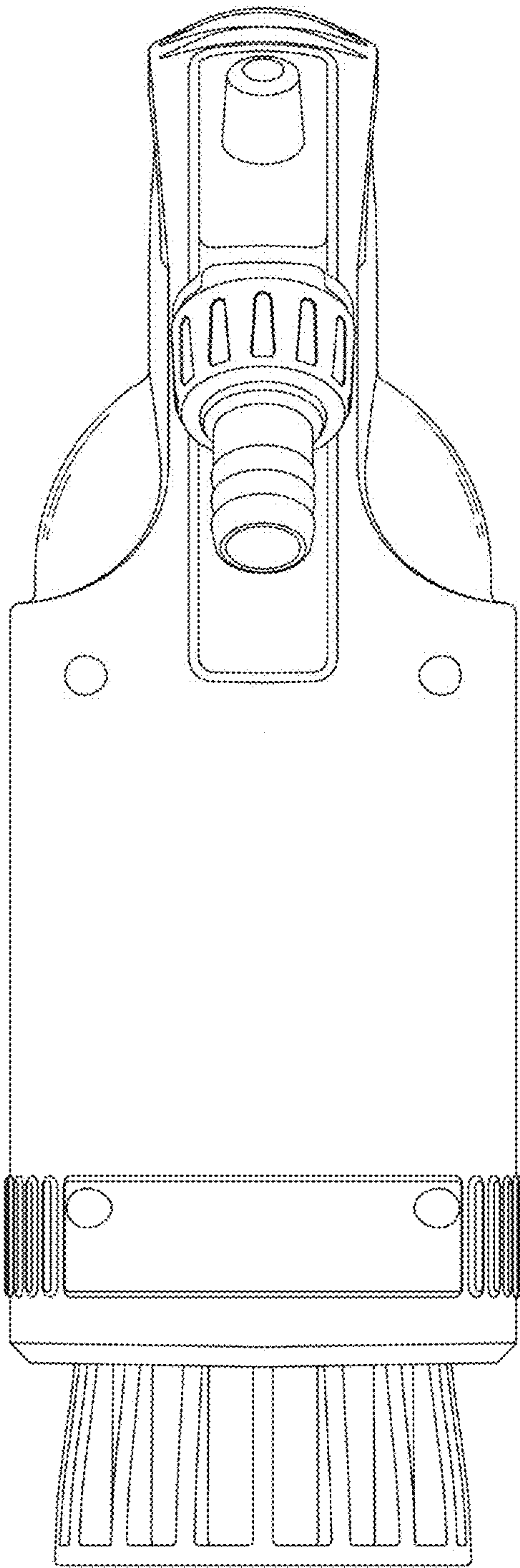


Fig. 4

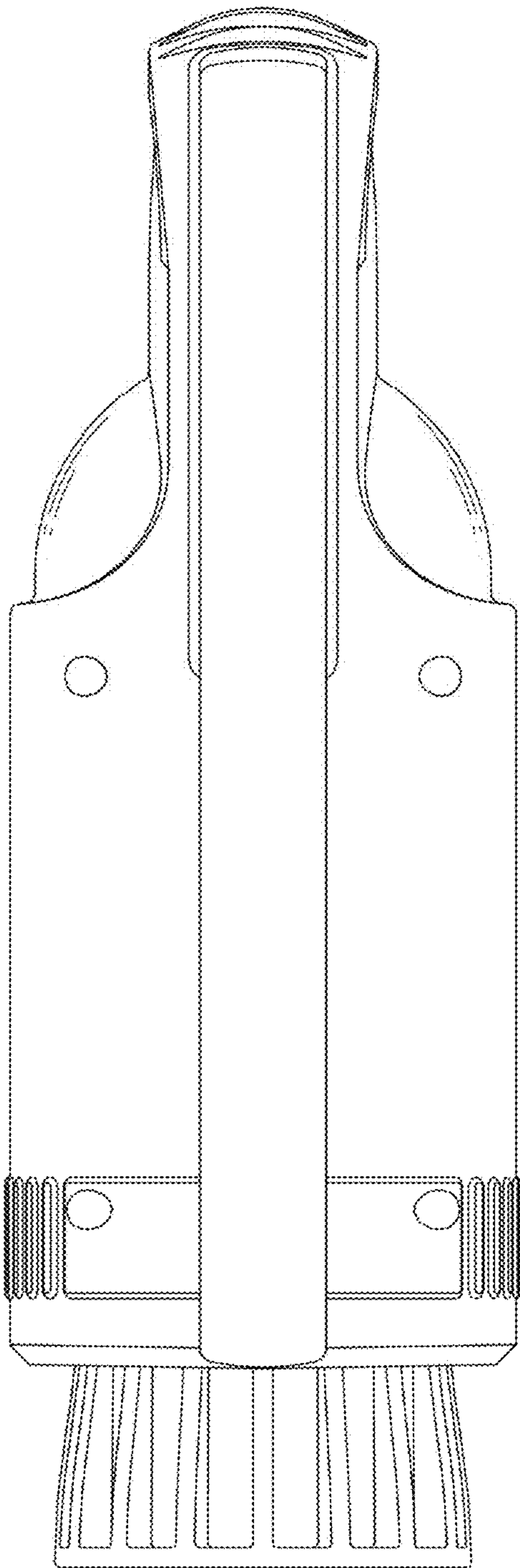


Fig. 5

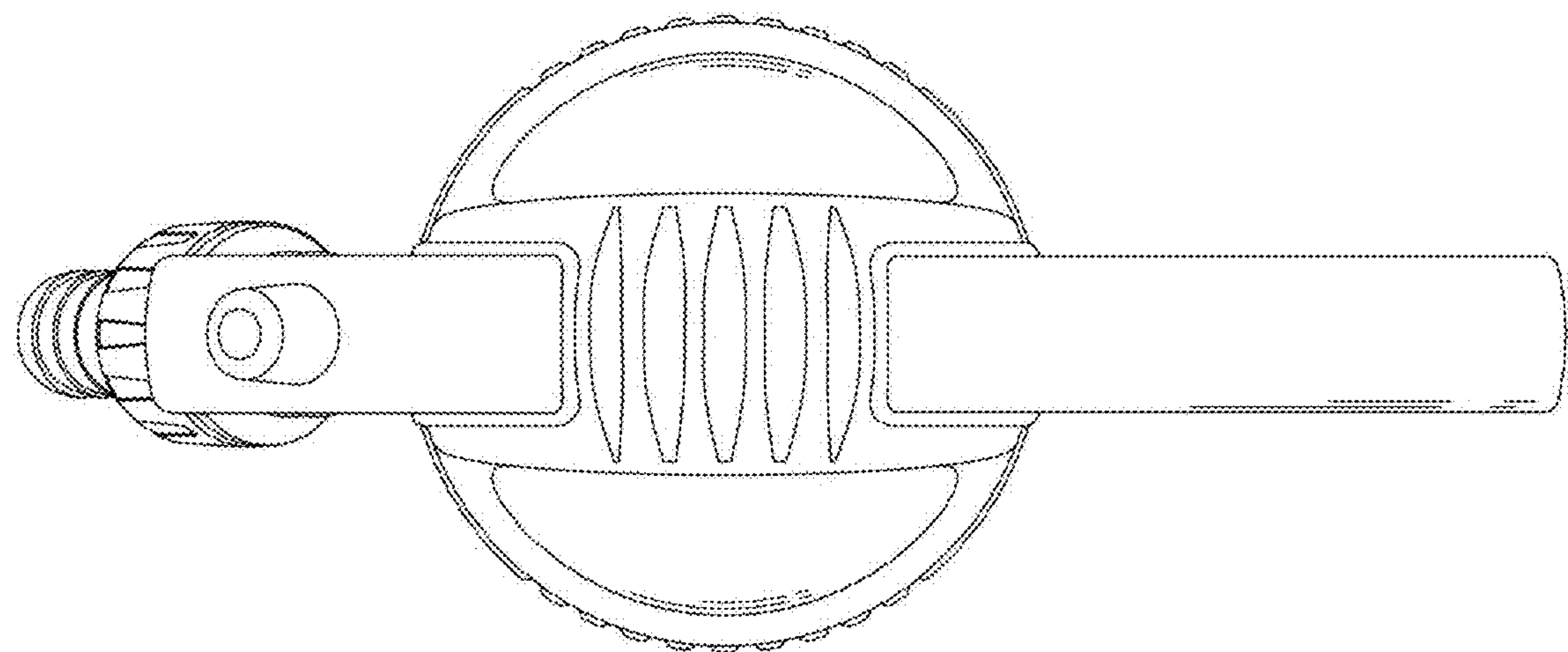


Fig. 6

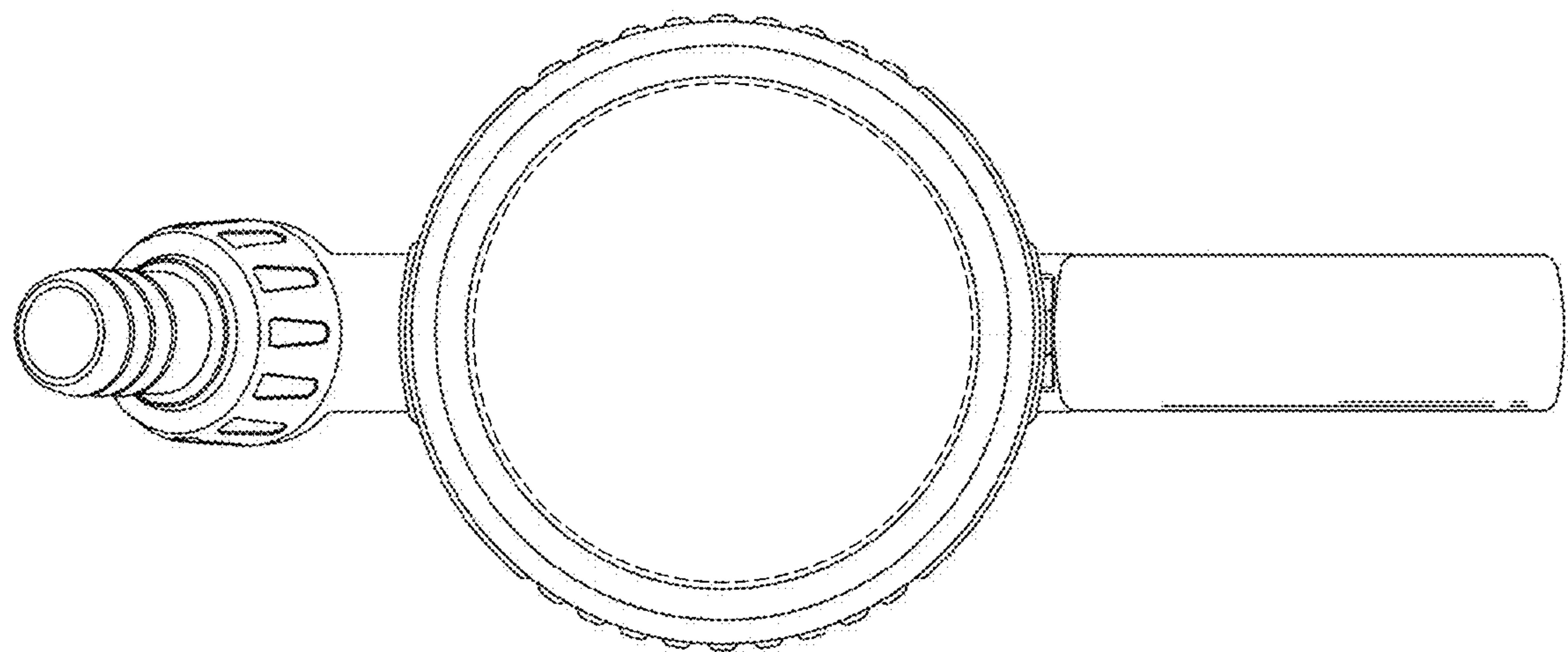


Fig. 7

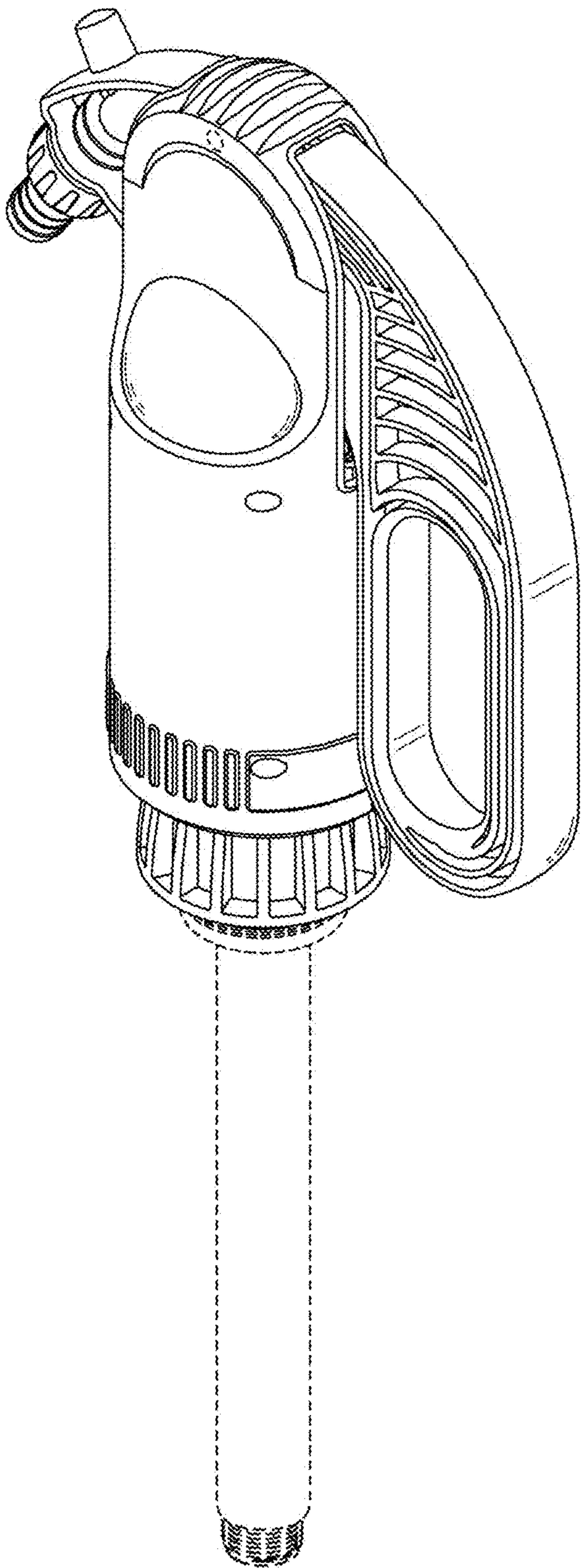


Fig. 8