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(12) **United States Design Patent** (10) **Patent No.:** **US D973,284 S**  
**Cao** (45) **Date of Patent:** **\*\* Dec. 20, 2022**

(54) **AUTOMATIC AQUARIUM WATER CHANGER**

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

(21) Appl. No.: **29/811,072**

(22) Filed: **Oct. 11, 2021**

(51) **LOC (13) Cl.** ..... **30-02**

(52) **U.S. Cl.**  
USPC ..... **D30/106**

(58) **Field of Classification Search**  
USPC ..... D30/101–107; D23/209–210, 316  
CPC ..... A01K 63/10; A01K 63/045  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D214,918 S \* 8/1969 Willinger ..... D30/106  
3,826,371 A \* 7/1974 Adamson ..... A01K 63/045  
210/167.26  
D282,016 S \* 12/1985 Chestnut ..... D30/106

D304,506 S \* 11/1989 Tominaga ..... D30/106  
D640,424 S \* 6/2011 Yen ..... D30/106  
D716,507 S 10/2014 Mayer  
D813,478 S 3/2018 Erlich et al.  
D919,192 S 5/2021 Li  
2007/0051320 A1\* 3/2007 Yen ..... A01K 63/045  
119/264  
2008/0313827 A1\* 12/2008 Paxton ..... A01K 63/10  
15/1.7

\* cited by examiner

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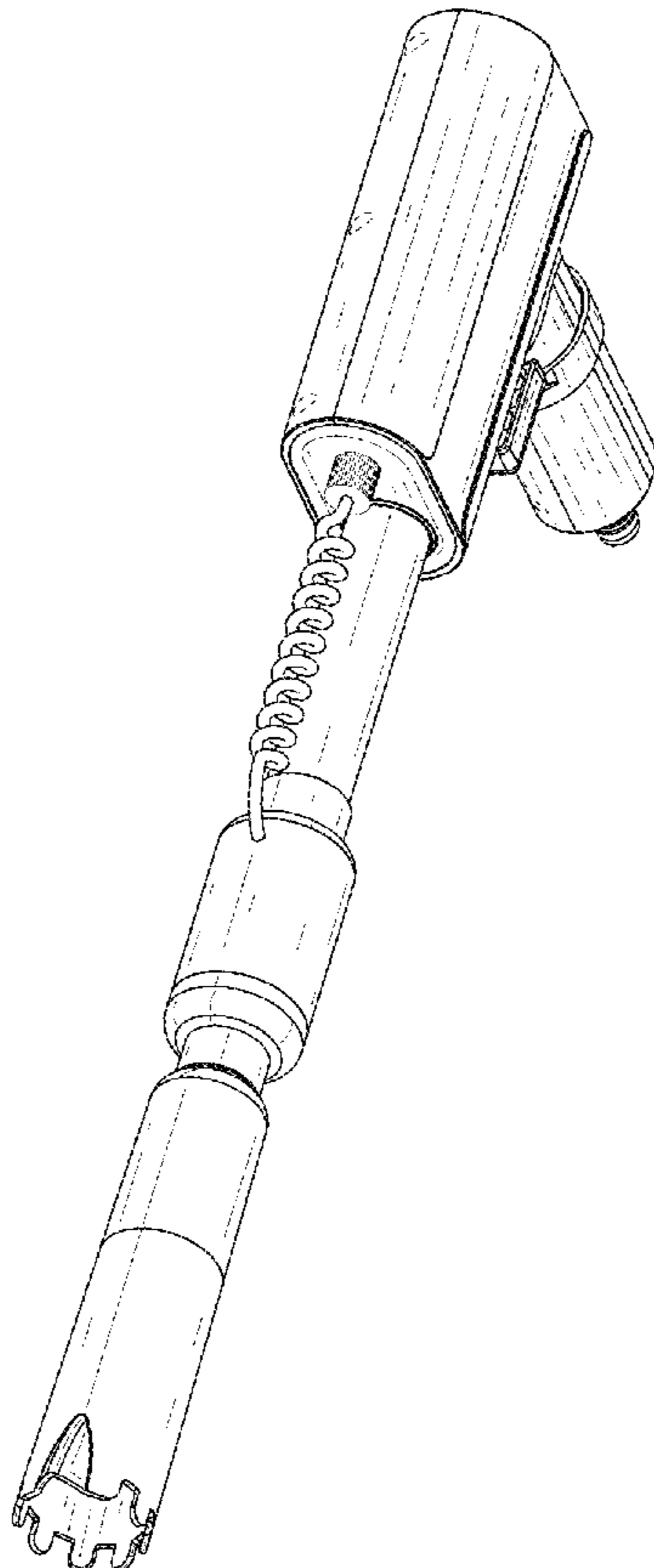
(57) **CLAIM**

The ornamental design for an automatic aquarium water changer, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, right and bottom perspective view of an automatic aquarium water changer showing my design.  
FIG. 2 is a front elevation view thereof.  
FIG. 3 is a rear elevation view thereof.  
FIG. 4 is a left-side elevation view thereof.  
FIG. 5 is a right-side elevation view thereof.  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.  
The broken lines are included for the purposes of illustrating portions of the automatic aquarium water changer that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



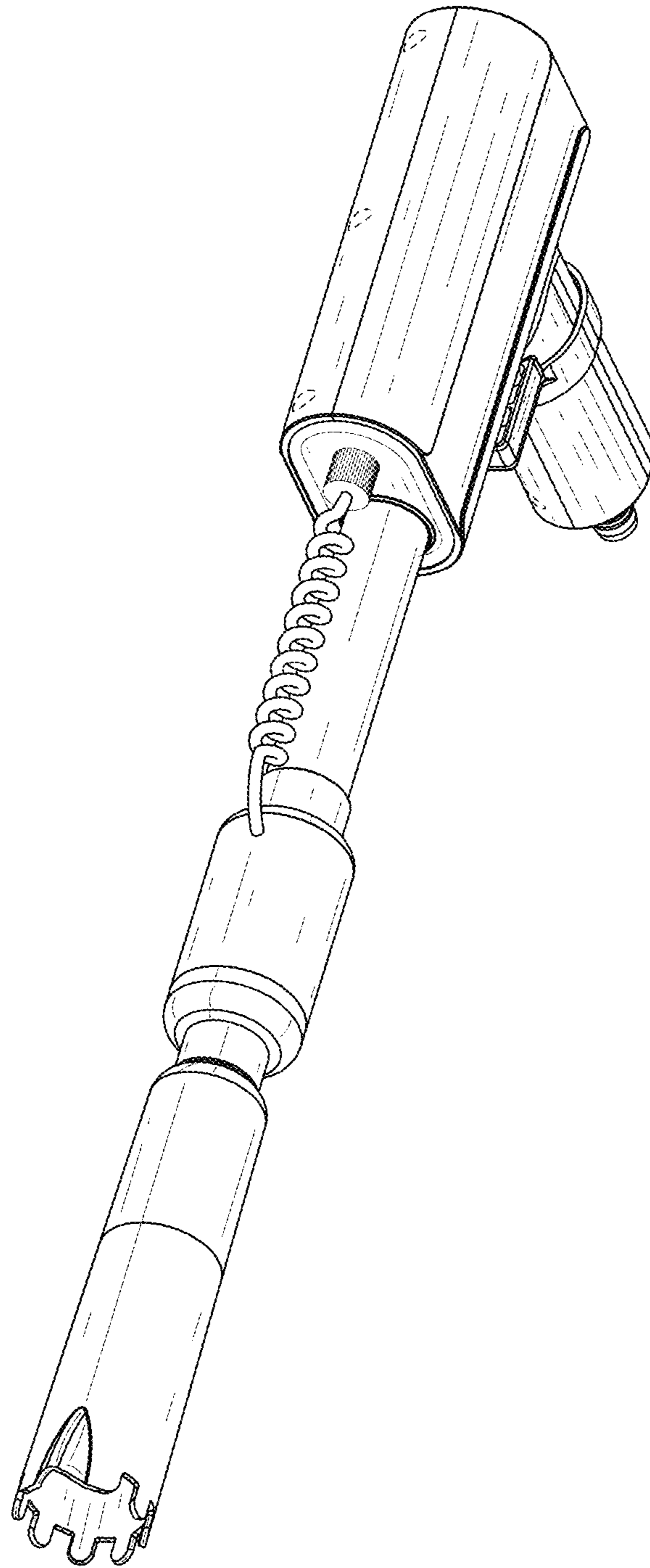


FIG. 1

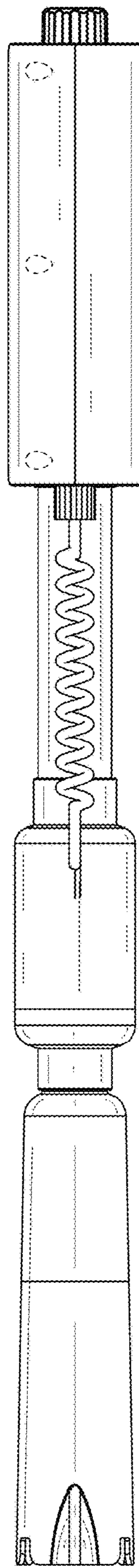


FIG. 2

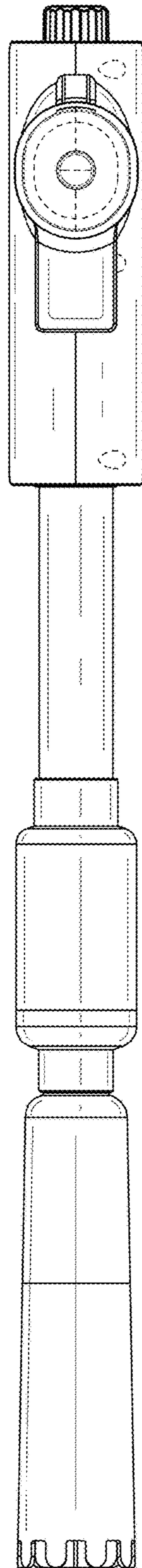


FIG. 3

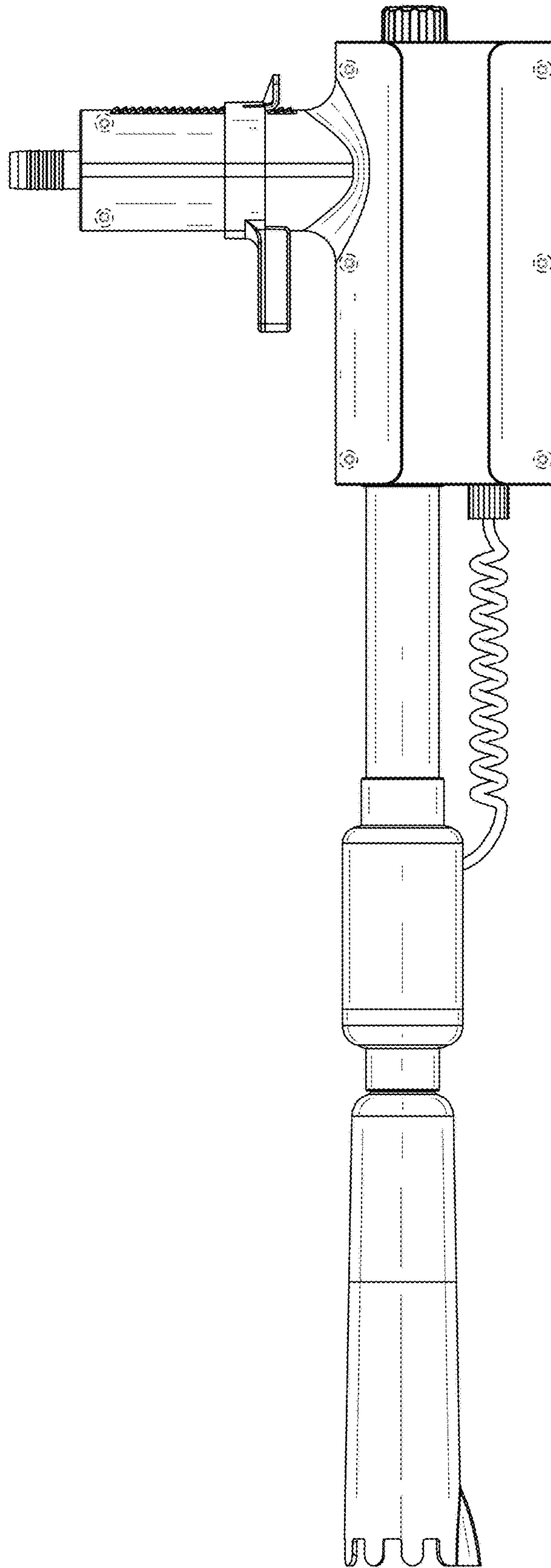


FIG. 4

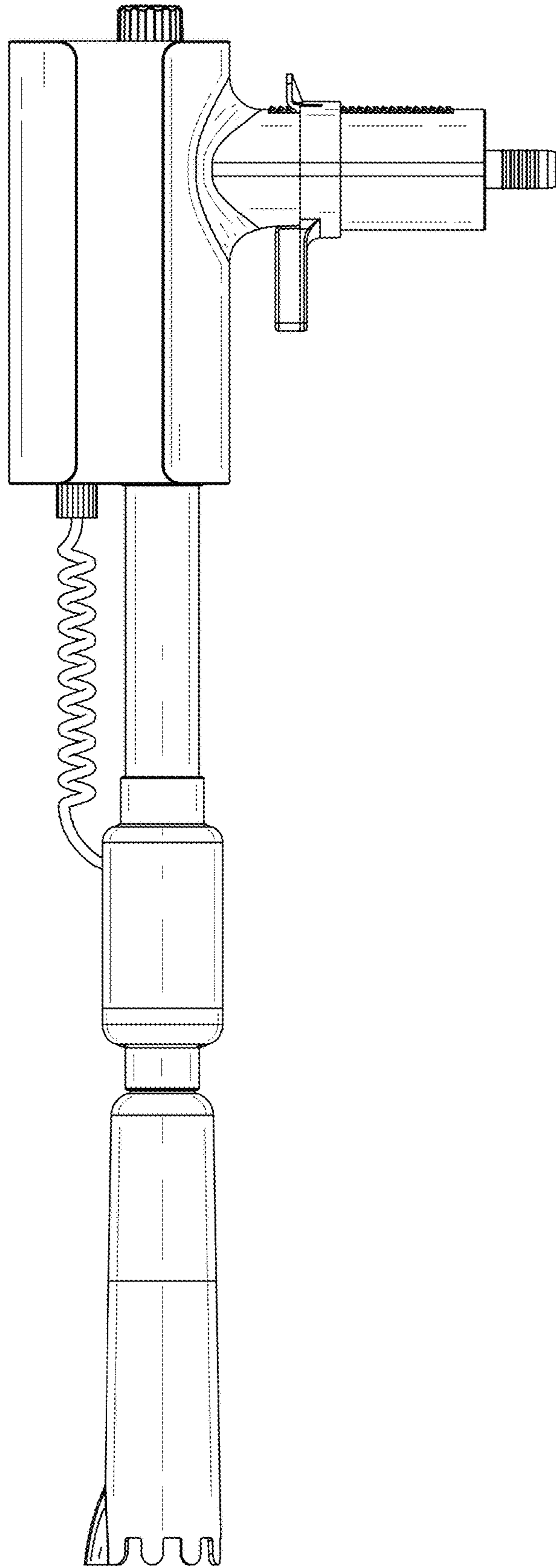


FIG. 5

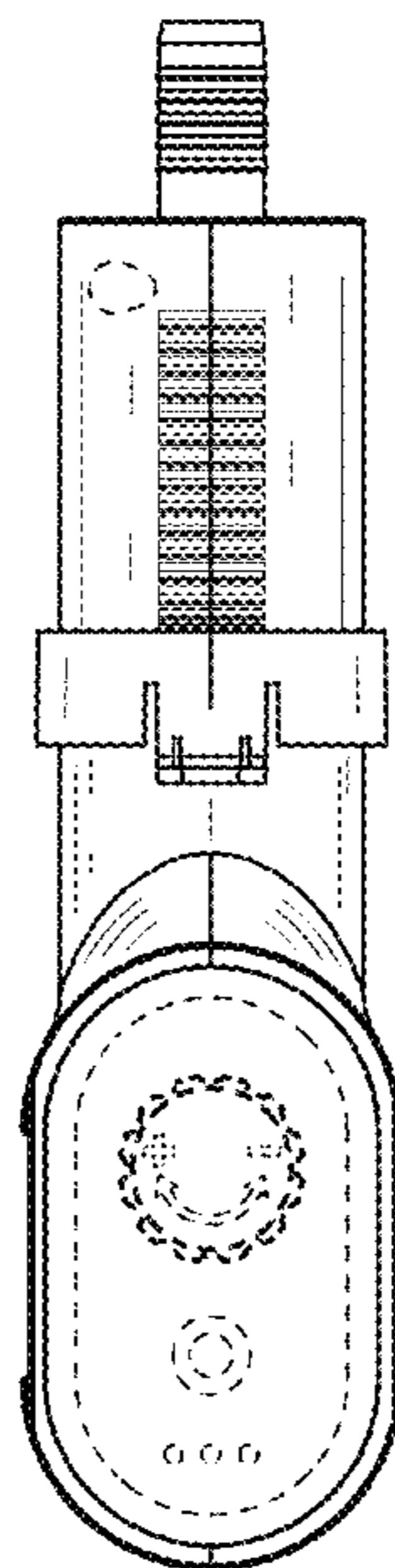


FIG. 6



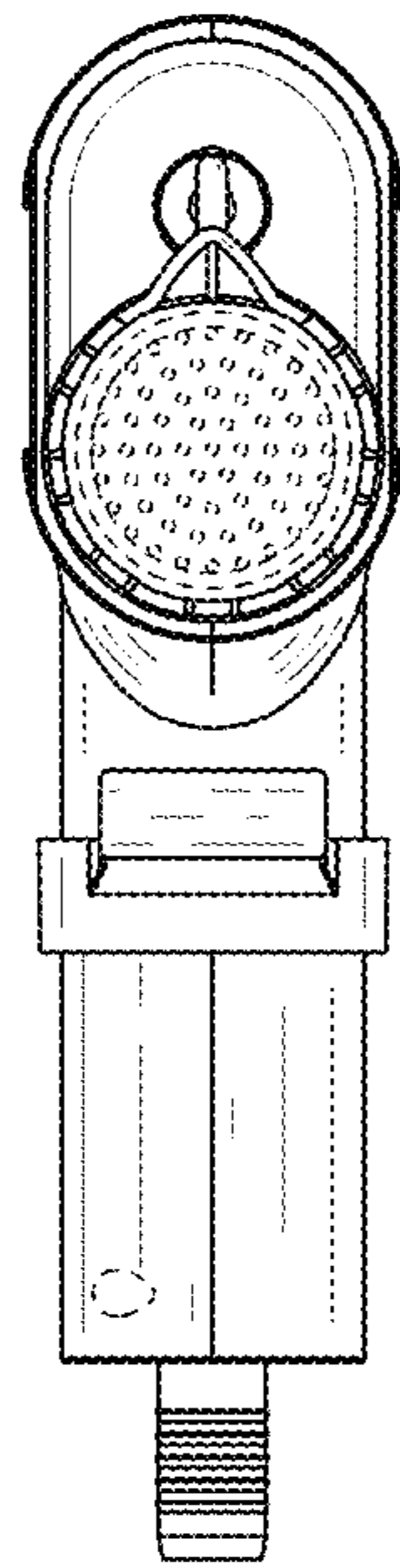


FIG. 7