



US00D945565S

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

(10) **Patent No.:** **US D945,565 S**

(45) **Date of Patent:** **\*\* Mar. 8, 2022**

(54) **JET CLEANER FOR A VEHICLE EXTERIOR EQUIPMENT OR AN OUTDOOR EQUIPMENT**

D446,840 S \* 8/2001 Strand ..... D23/209  
D481,442 S \* 10/2003 Liu ..... D23/209  
D482,755 S \* 11/2003 Rhinehart ..... D23/207  
D486,882 S \* 2/2004 Riddell ..... D23/207  
D502,757 S \* 3/2005 Mork ..... D23/207

(Continued)

(71) Applicant: **KOITO MANUFACTURING CO., LTD.**, Tokyo (JP)

**FOREIGN PATENT DOCUMENTS**

(72) Inventor: **Masaru Sakai**, Shizuoka (JP)

JP 2019-156260 A 9/2019

(73) Assignee: **KOITO MANUFACTURING CO., LTD.**, Tokyo (JP)

**OTHER PUBLICATIONS**

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

Amiad Mini Sigma Automatic Filter, May 7, 2018, youtube.com, Dec. 3, 2021, URL: <https://www.youtube.com/watch?v=zoXjRnkqiZc&t=6s> (Year: 2018).\*

(21) Appl. No.: **29/761,981**

(Continued)

(22) Filed: **Dec. 14, 2020**

*Primary Examiner* — Jack Reickel

(30) **Foreign Application Priority Data**

*Assistant Examiner* — Keith J Wilson

Jun. 22, 2020 (JP) ..... 2020-012392 D

(74) *Attorney, Agent, or Firm* — Sughrue Mion, PLLC

(51) **LOC (13) Cl.** ..... **23-01**

(57) **CLAIM**

(52) **U.S. Cl.**  
USPC ..... **D23/233**

The ornamental design for a jet cleaner for a vehicle exterior equipment or an outdoor equipment, as shown and described.

(58) **Field of Classification Search**  
USPC ..... D23/200, 206, 207, 208, 209, 210, 213,  
D23/233, 314, 324, 325, 328, 332, 333,  
D23/336, 351, 353, 355, 357  
CPC ... E04G 7/16; Y10T 403/30; Y10T 403/7105;  
Y10T 403/7158; F16L 29/02; F16L  
37/40; F16L 37/084; F16L 37/00; F16K  
15/188; F16K 15/181  
See application file for complete search history.

**DESCRIPTION**

(56) **References Cited**

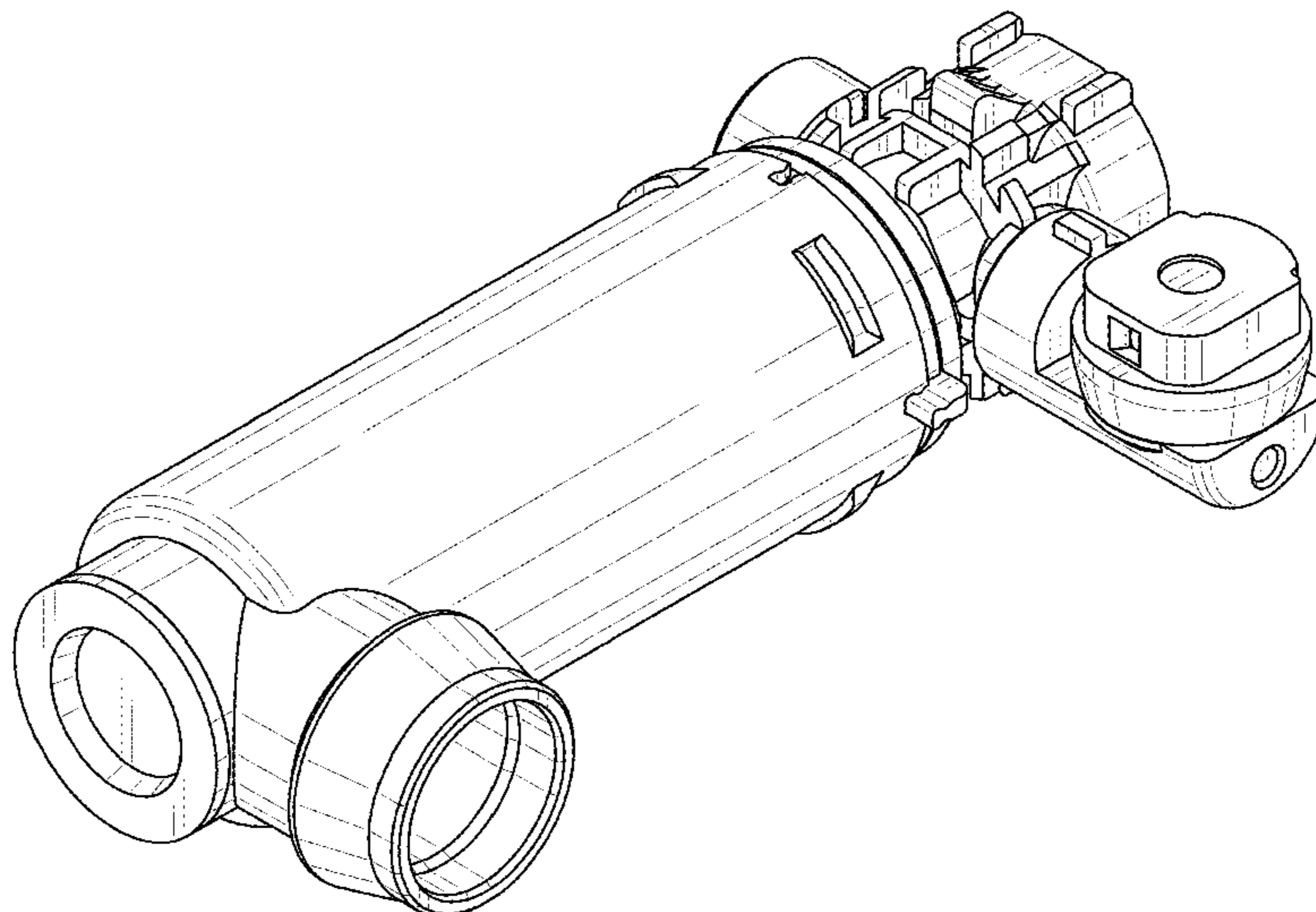
**U.S. PATENT DOCUMENTS**

4,026,801 A \* 5/1977 Ward ..... B01J 49/75  
210/140  
D333,505 S \* 2/1993 Matsumura ..... D23/200  
5,486,288 A \* 1/1996 Stanford ..... B01D 35/153  
210/235  
D439,950 S \* 4/2001 Fletcher ..... D23/207

FIG. 1 is a perspective view of a jet cleaner for a vehicle exterior equipment or an outdoor equipment showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.

The broken lines shown are included for the purpose of illustrating the unclaimed portions of a jet cleaner for a vehicle exterior equipment or an outdoor equipment and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D601,225 S \* 9/2009 Kurisaki ..... D10/85  
 D603,341 S \* 11/2009 Kawakami ..... D13/158  
 D606,164 S \* 12/2009 Kawakami ..... D23/233  
 D606,166 S \* 12/2009 Gunji ..... D23/233  
 D610,233 S \* 2/2010 Kurisaki ..... D23/233  
 D633,982 S \* 3/2011 Palmer ..... D23/209  
 7,913,932 B2 \* 3/2011 Wu ..... A01M 7/0046  
 239/288  
 D643,506 S \* 8/2011 Miles ..... D23/207  
 D654,145 S \* 2/2012 Chatterjee ..... D23/207  
 D682,387 S \* 5/2013 Tseng ..... D23/207  
 D695,877 S \* 12/2013 Geisen ..... D23/207  
 D754,630 S \* 4/2016 Paterson ..... D14/204  
 D755,155 S \* 5/2016 Paterson ..... D14/204  
 D790,508 S \* 6/2017 Lewis ..... D14/204  
 D829,687 S \* 10/2018 Burlingame ..... D14/214  
 D837,182 S \* 1/2019 Elmieh ..... D14/204  
 D841,774 S \* 2/2019 Ghoshal ..... D23/207

D841,775 S \* 2/2019 Ghoshal ..... D23/207  
 D844,101 S \* 3/2019 Zheng ..... D23/207  
 D848,399 S \* 5/2019 Burlingame ..... D14/221  
 D854,509 S \* 7/2019 Wu ..... D14/168  
 D855,151 S \* 7/2019 Joo ..... D23/207  
 2009/0167540 A1 \* 7/2009 Struyk ..... G01P 13/002  
 340/610  
 2018/0291911 A1 \* 10/2018 Ward ..... F04B 17/03  
 2019/0283715 A1 9/2019 Sakai

OTHER PUBLICATIONS

GE Water Filter System for Entire Home | Premium Water Filtration System Reduces Sediment, Rust & More, Oct. 29, 2012, URL: <https://www.amazon.com/dp/B009YA28ES> (Year: 2012).  
 Office Action dated Dec. 22, 2020 issued by the Japan Patent Office in counterpart Japanese English Design Patent Application No. 2020-012392, English translation.

\* cited by examiner

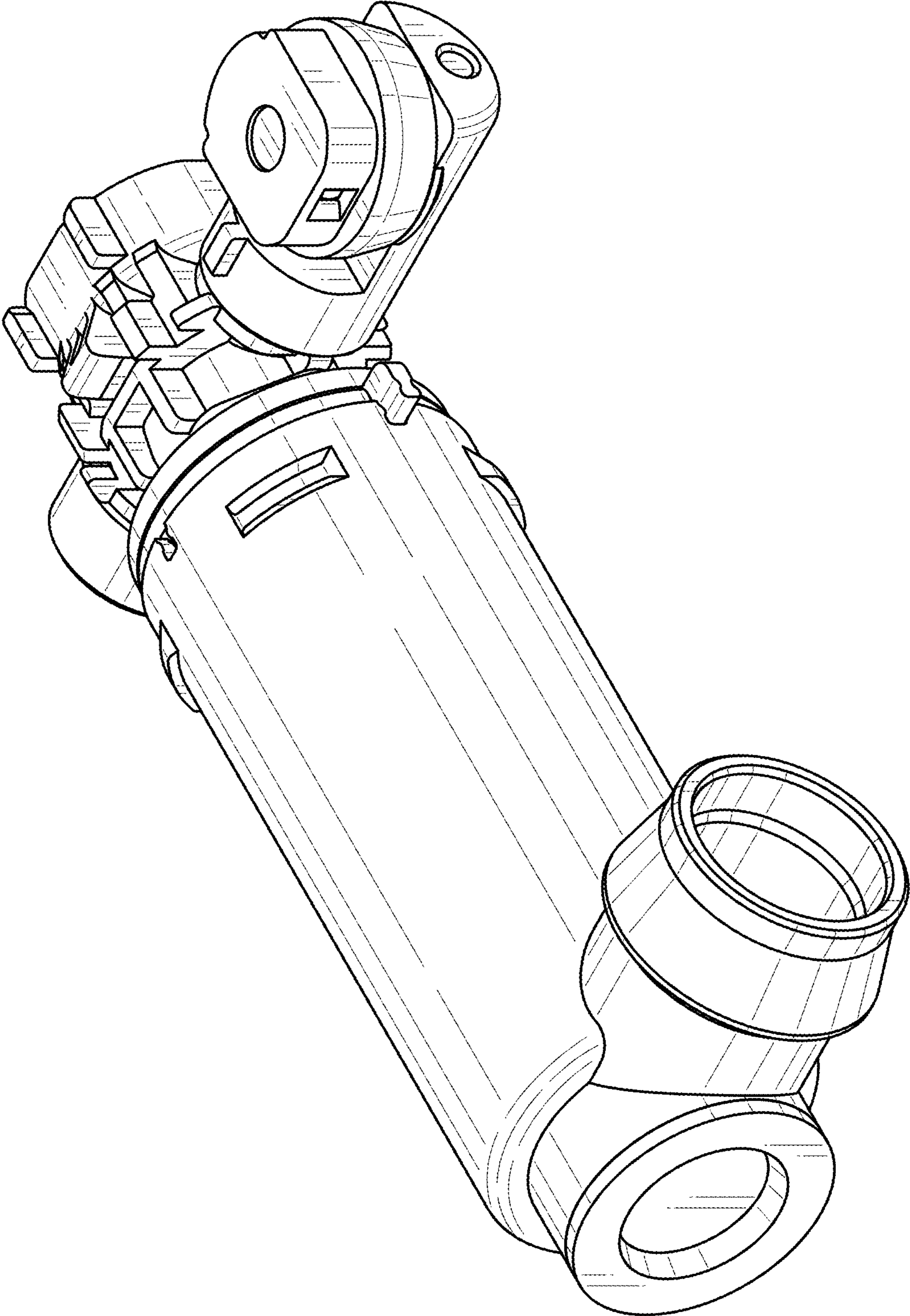


FIG. 1

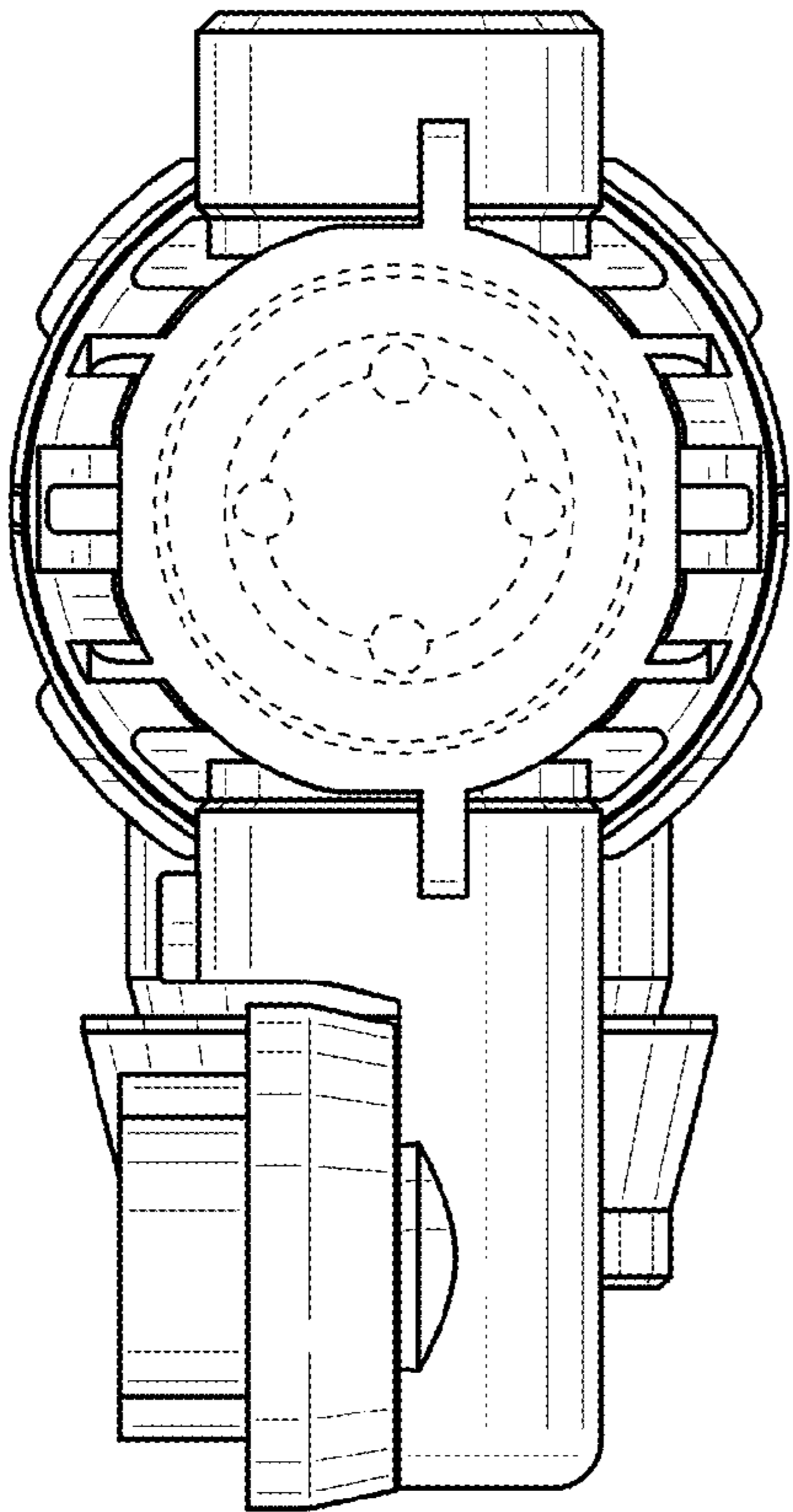


FIG. 2

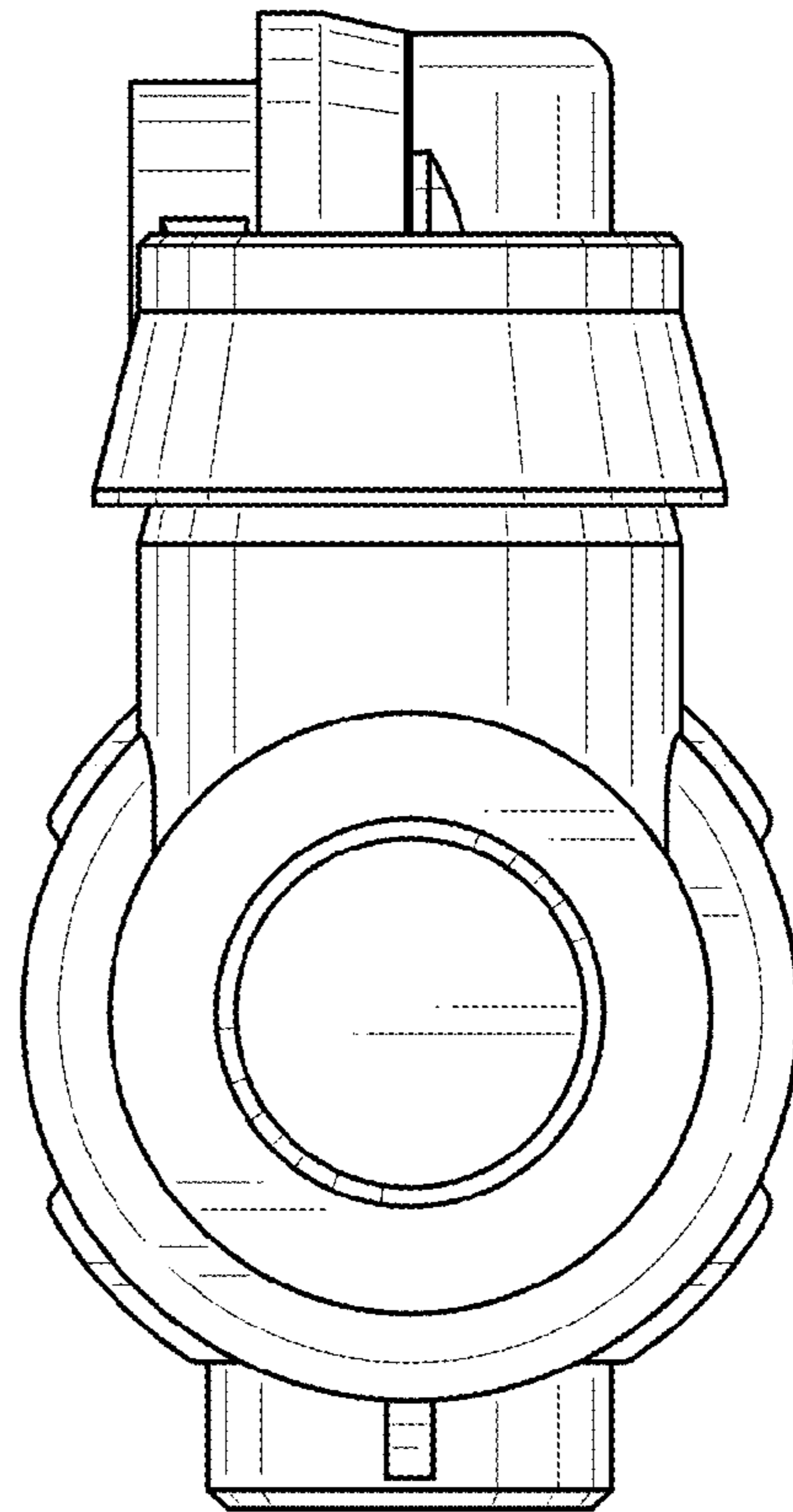


FIG. 3

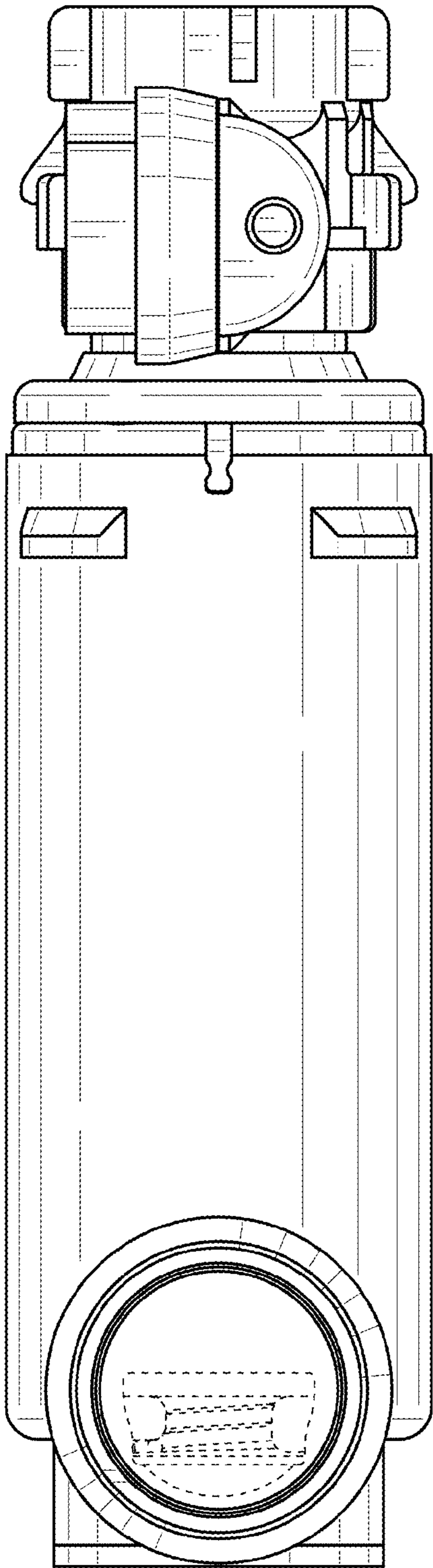


FIG. 4

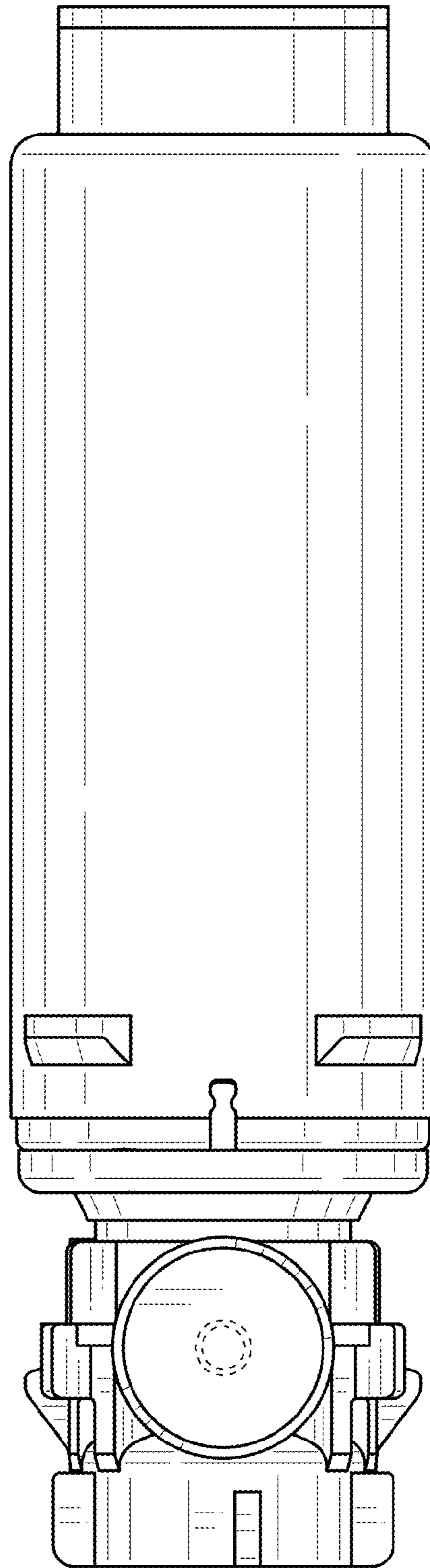
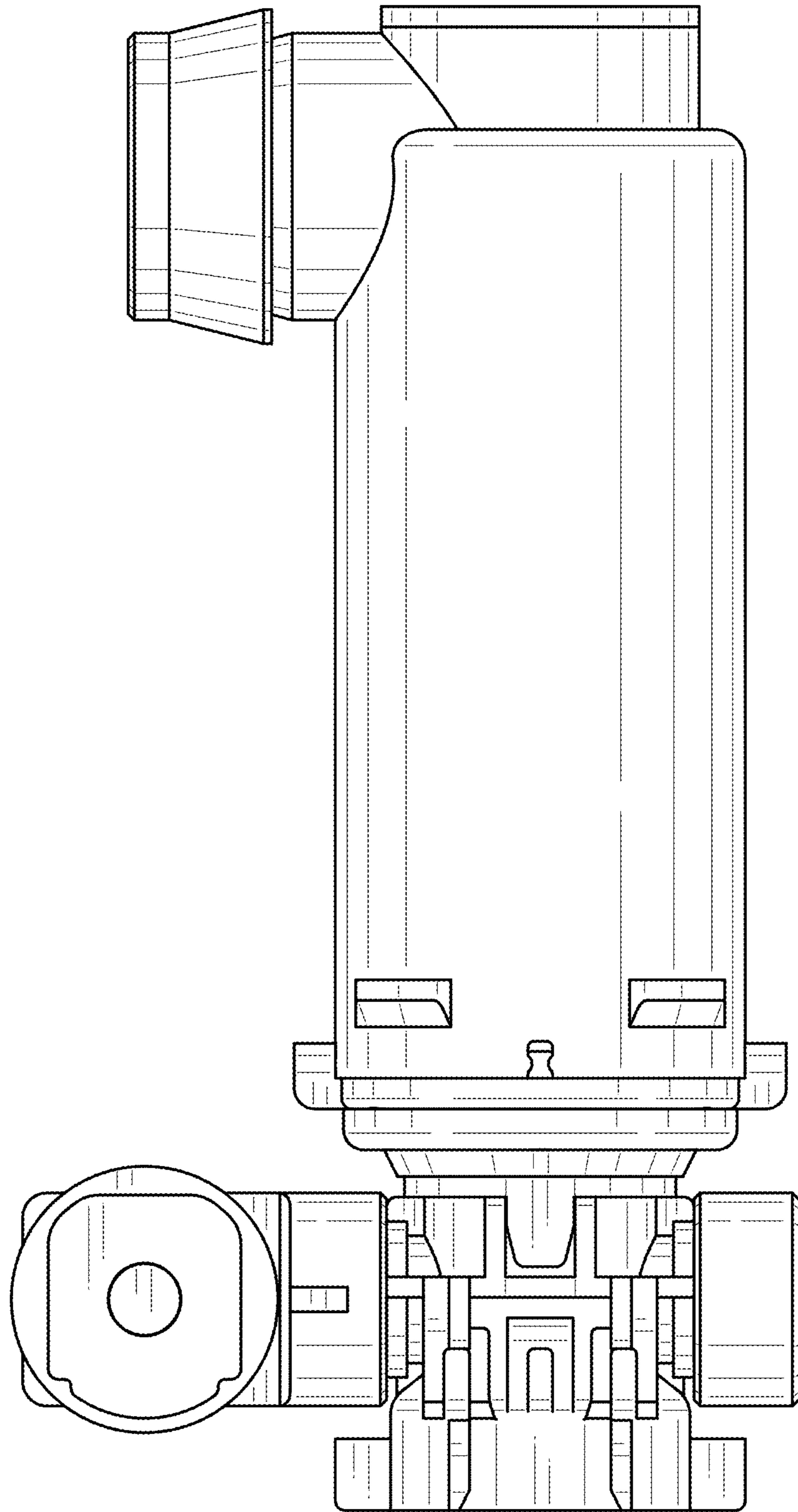


FIG. 5



*FIG. 6*

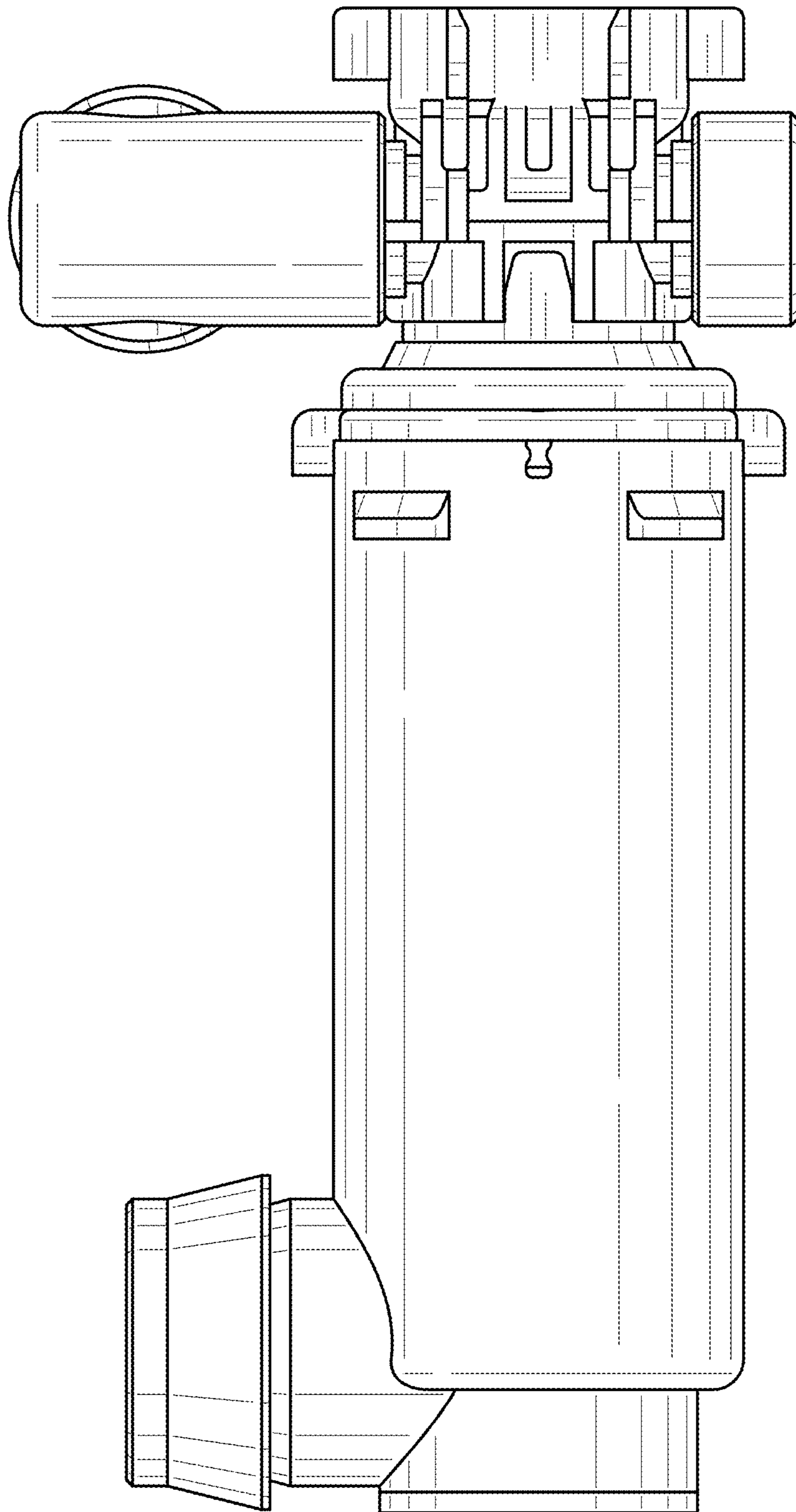


FIG. 7