



US00D935107S

(12) **United States Design Patent** (10) **Patent No.:** **US D935,107 S**
Chen (45) **Date of Patent:** **** Nov. 2, 2021**

(54) **AUTOMATIC FISH FEEDER**
(71) Applicant: **Guangzhou Chiye Intelligent Technology Co., LTD.,** Guangzhou (CN)
(72) Inventor: **Jilin Chen,** Guangzhou (CN)
(**) Term: **15 Years**
(21) Appl. No.: **29/768,730**
(22) Filed: **Feb. 1, 2021**
(51) **LOC (13) Cl.** **30-02**
(52) **U.S. Cl.**
USPC **D30/106; D30/122**
(58) **Field of Classification Search**
USPC D30/101-102, 106, 121-122, 199
CPC A01K 61/80; A01K 61/85; A01K 61/10; Y02A 40/81
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D287,170 S * 12/1986 Goldman D30/122
D312,149 S * 11/1990 Keil D30/106
D313,093 S * 12/1990 Tanaka D30/106
D383,251 S 9/1997 Zimmerman
D423,728 S * 4/2000 Brainard D30/106
6,694,917 B1 * 2/2004 Wang A01K 61/85
119/51.11
D487,535 S * 3/2004 Wang D30/122
D561,406 S * 2/2008 Mayer D30/106
D612,549 S 3/2010 Garcia-Lucio
D622,450 S 8/2010 Beyers
8,336,492 B1 * 12/2012 Barley A01K 61/80
119/51.04
D704,387 S 5/2014 Shepland
D814,710 S 4/2018 Watson
D852,430 S 6/2019 Roger
10,653,110 B2 * 5/2020 Pfeiff A01K 61/80
D887,086 S 6/2020 Huang

D907,303 S 1/2021 Wei
2006/0207511 A1 * 9/2006 Deng A01K 61/85
119/51.04
2012/0227670 A1 * 9/2012 Hudson A01K 61/85
119/51.04

(Continued)

OTHER PUBLICATIONS

Proche Automatic Fish Feeder Intelligent Fish/Turtle/Goldfish Feeder for Aquarium & Fish Tank | 4 Times | Intelligent Timer Fish Food Dispenser for Trips, Weekend & Vacation. First available Aug. 23, 2017, amazon.com, [online], [site visited Aug. 27, 2021], available from internet URL: https://www.amazon.com/Automatic-PROCHE-Adjustable-Dispenser-Batteries/dp/B0752G6TF4/ref=asc_df_B0752G6TF4/?tag=hyprod-20&linkCode... (Year 2017).*

(Continued)

Primary Examiner — Wan Laymon
(74) *Attorney, Agent, or Firm* — Rumit Ranjit Kanakia

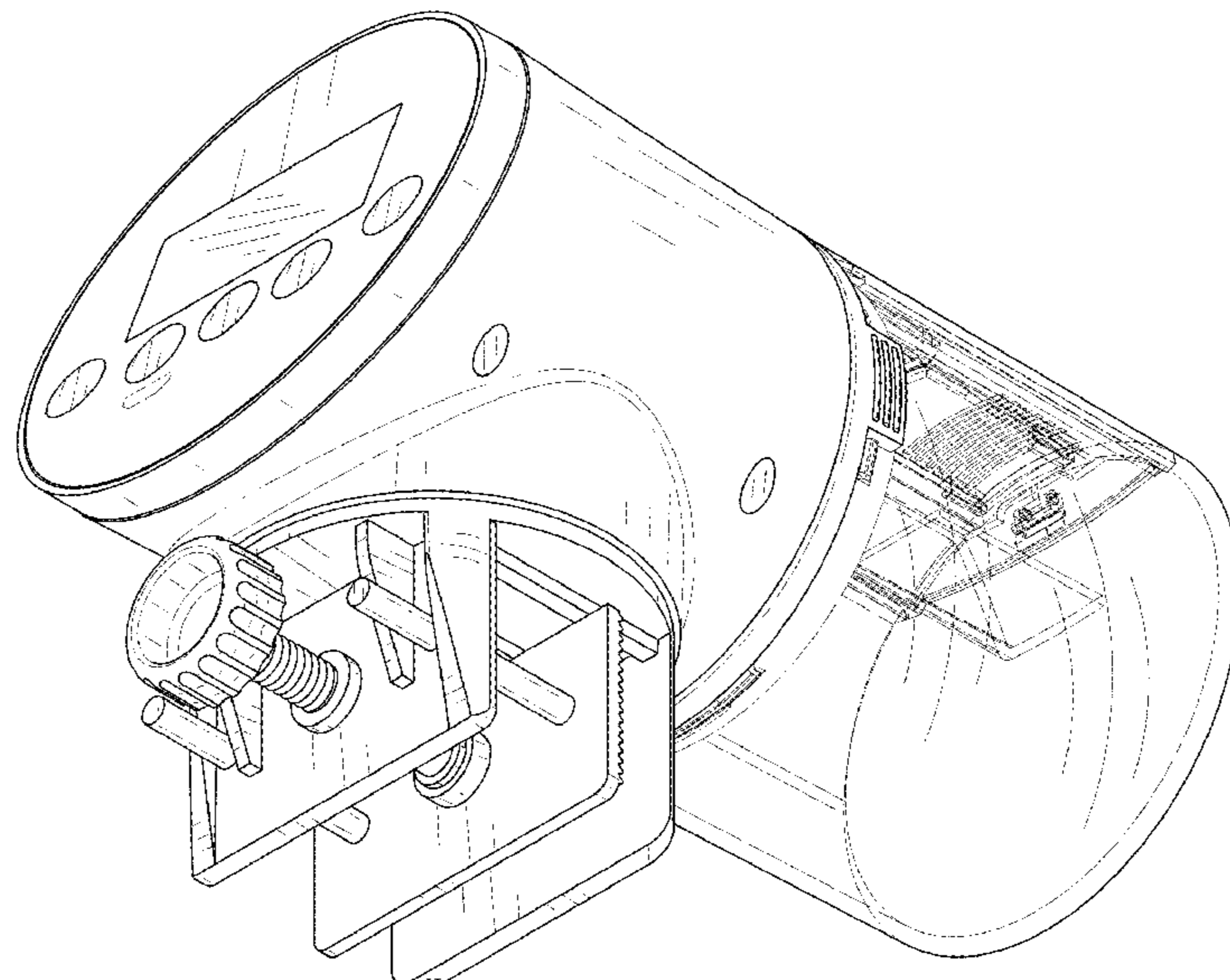
(57) **CLAIM**

The ornamental design for a automatic fish feeder, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a automatic fish feeder showing my new design;
FIG. 2 is a rear view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a perspective view of a automatic fish feeder showing my new design; and,
FIG. 8 is another perspective view thereof.
The broken lines in the figures are for the purposes of illustrating portions of the automatic fish feeder, which form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2019/0110448 A1* 4/2019 Wallmeier A01K 61/85

OTHER PUBLICATIONS

FYD Automatic Fish Feeder, Aquarium Auto Fish Feeder Food Timer Dispenser for Small Fish Tank, Vacation, Holidays. First available Apr. 17, 2021, amazon.com, [online], [site visited Aug. 27, 2021], available from internet URL: <https://www.amazon.com/FYD-Automatic-Aquarium-Dispenser-Vacation/dp/B092SBH7C4>. (Year 2021).*

Zacro Automatic Fish Feeder—Rechargeable Timer Fish Feeder with USB Charger Cable, Fish Food Dispenser for Aquarium or Fish Tank. First available Jan. 14, 2019, amazon.com, [online], [site visited Aug. 27, 2021], available from internet URL: <https://www.amazon.com/Zacro-Automatic-Fish-Feeder-Rechargeable/dp/B07M854WTQ> (Year 2019).*

* cited by examiner

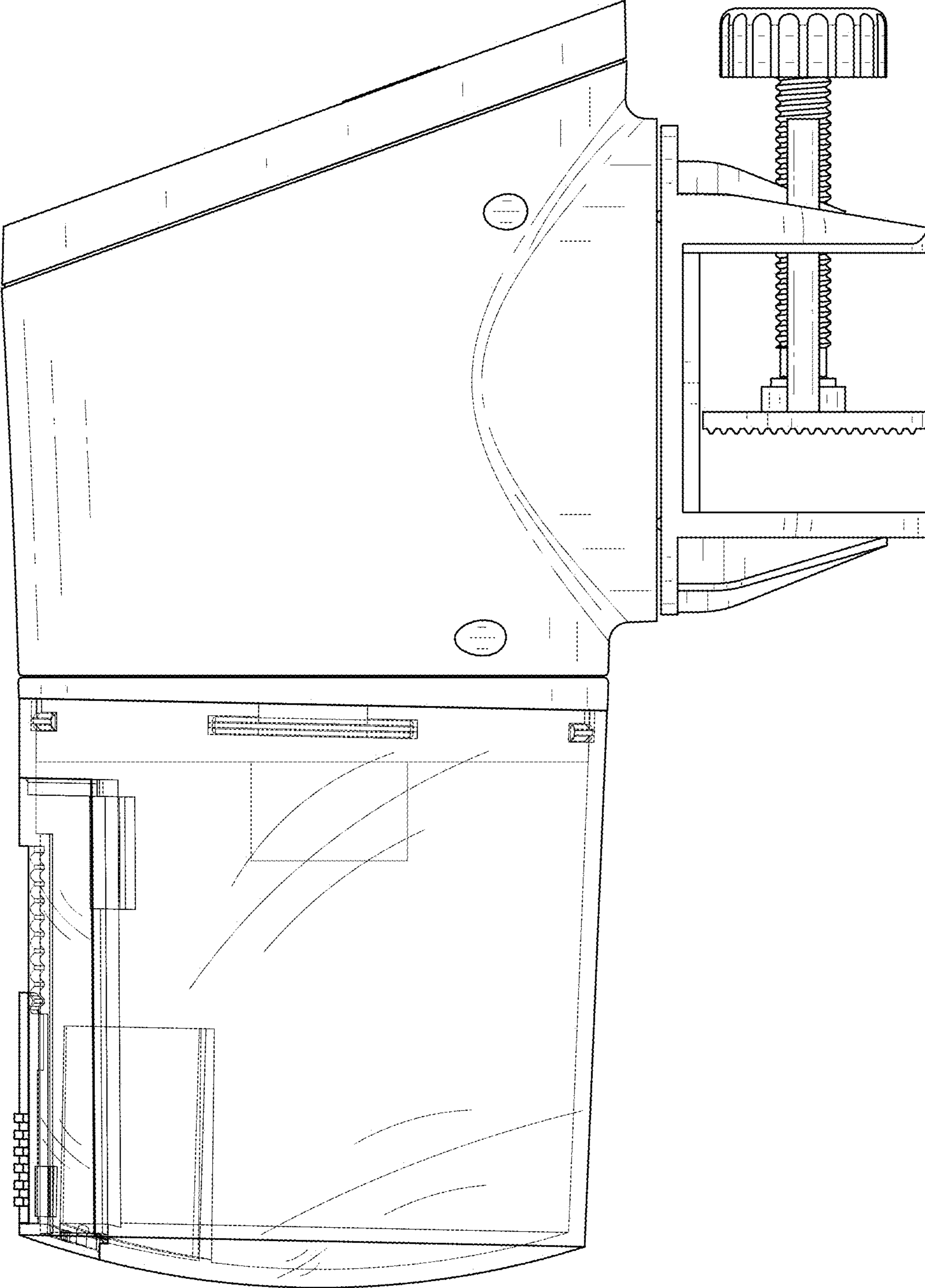


FIG. 1

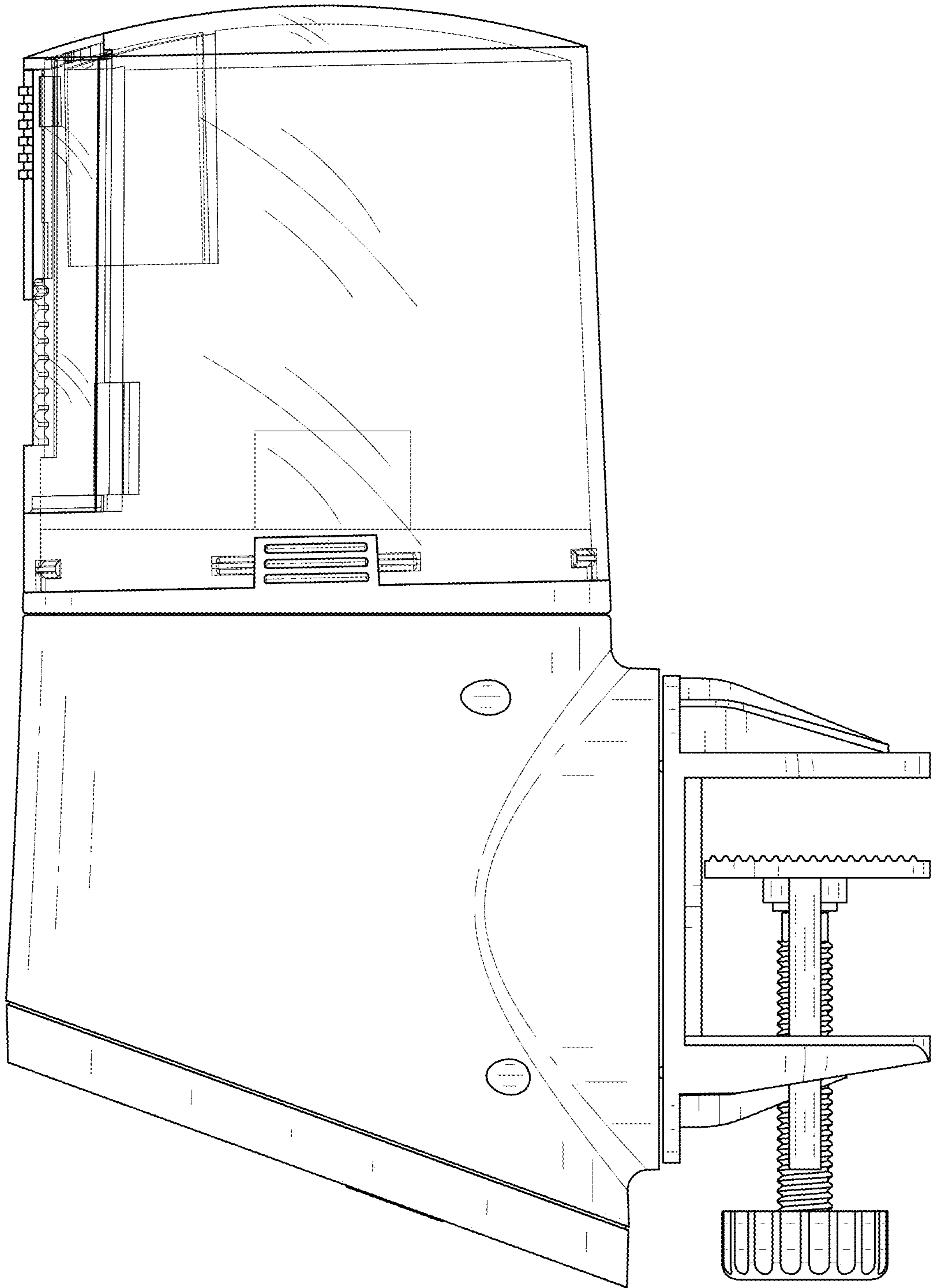


FIG. 2

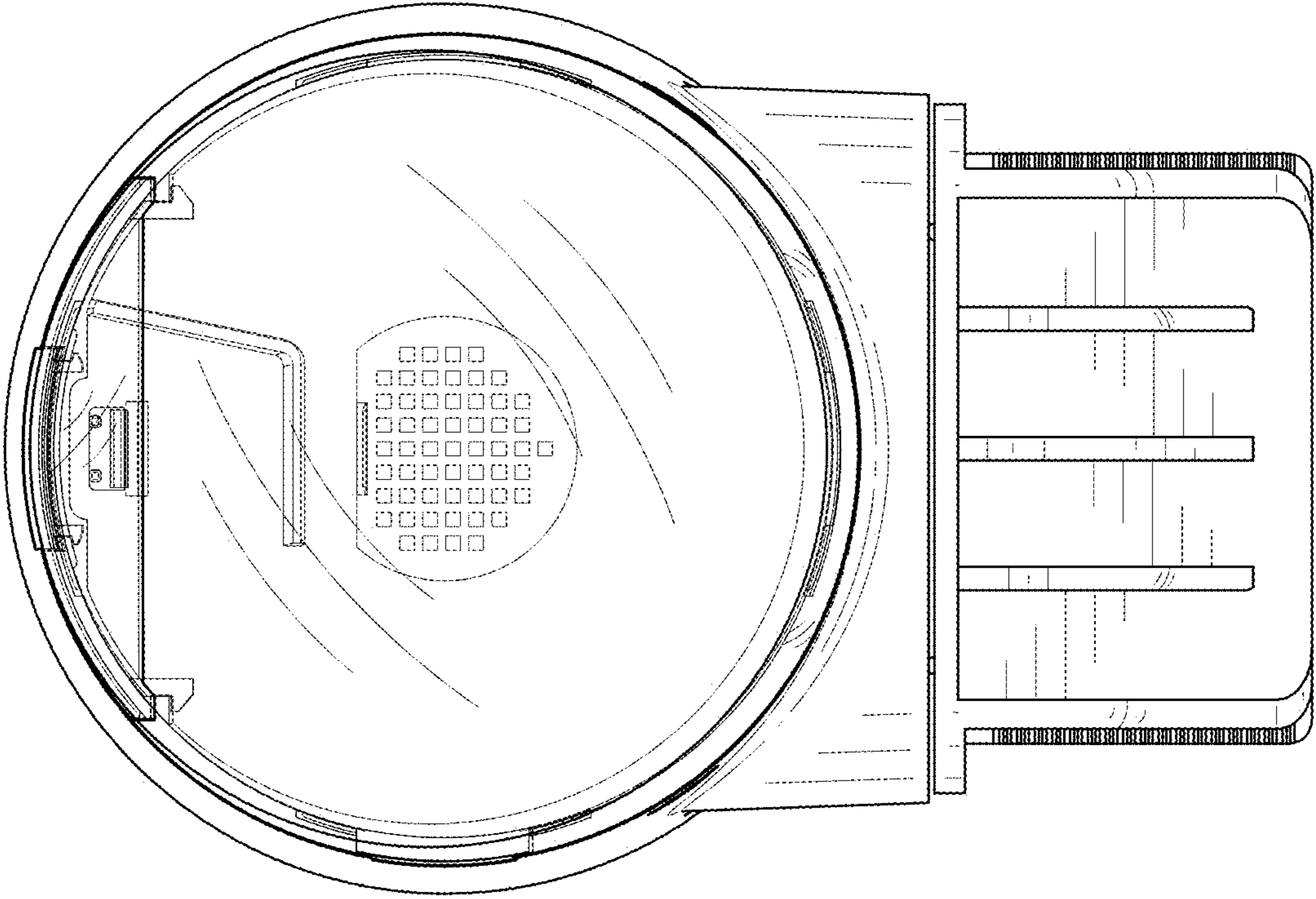


FIG. 3

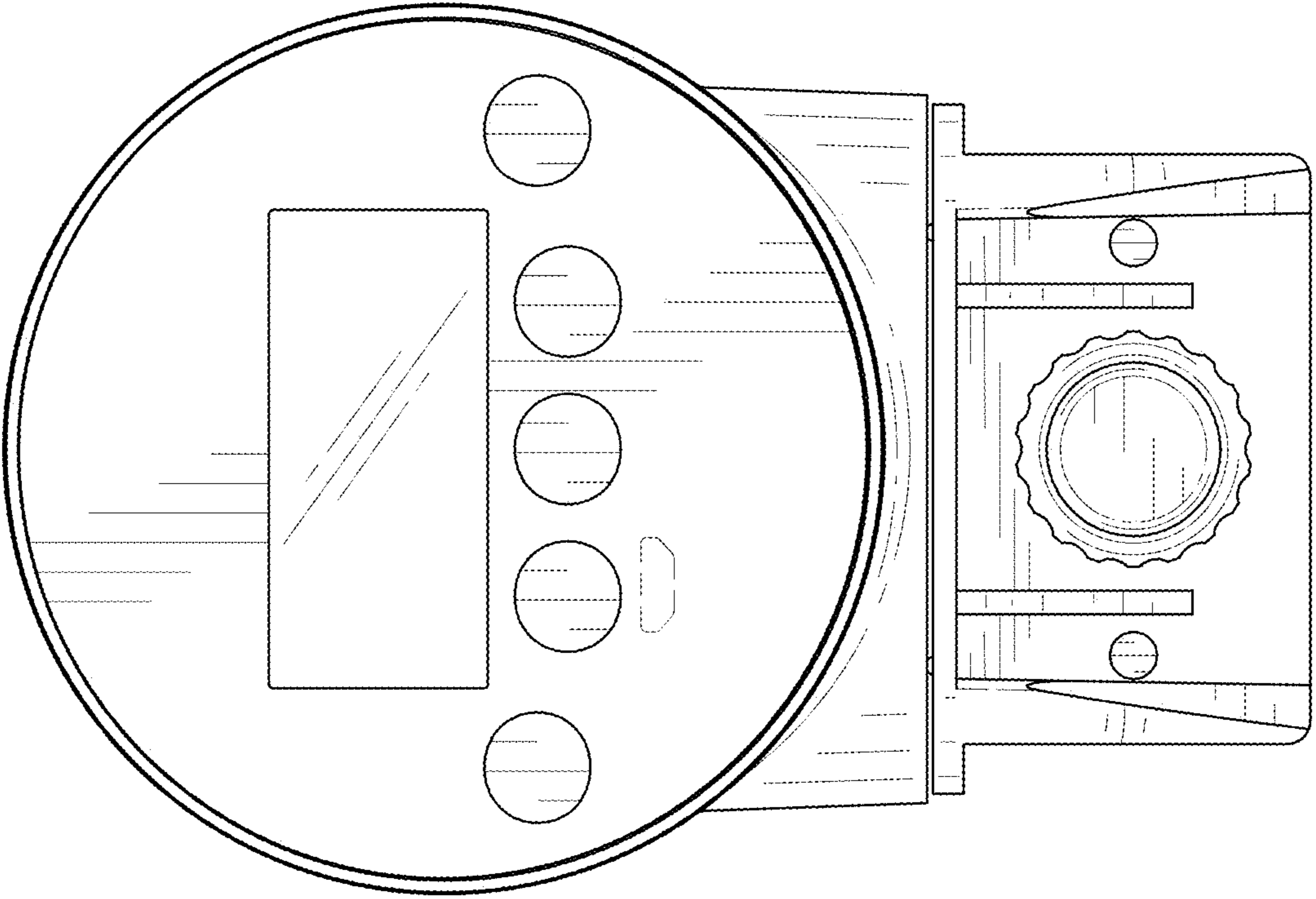


FIG. 4

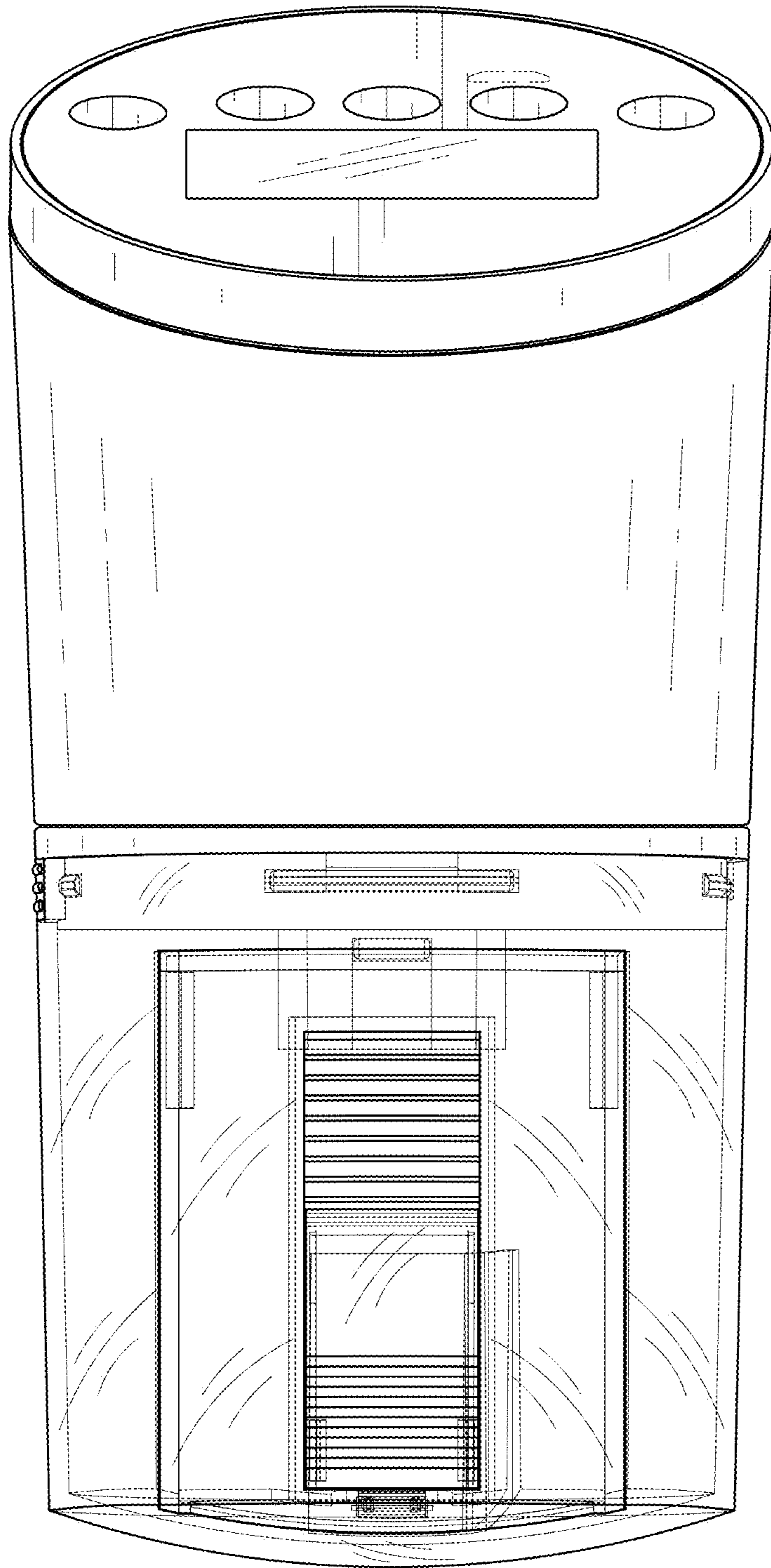


FIG. 5

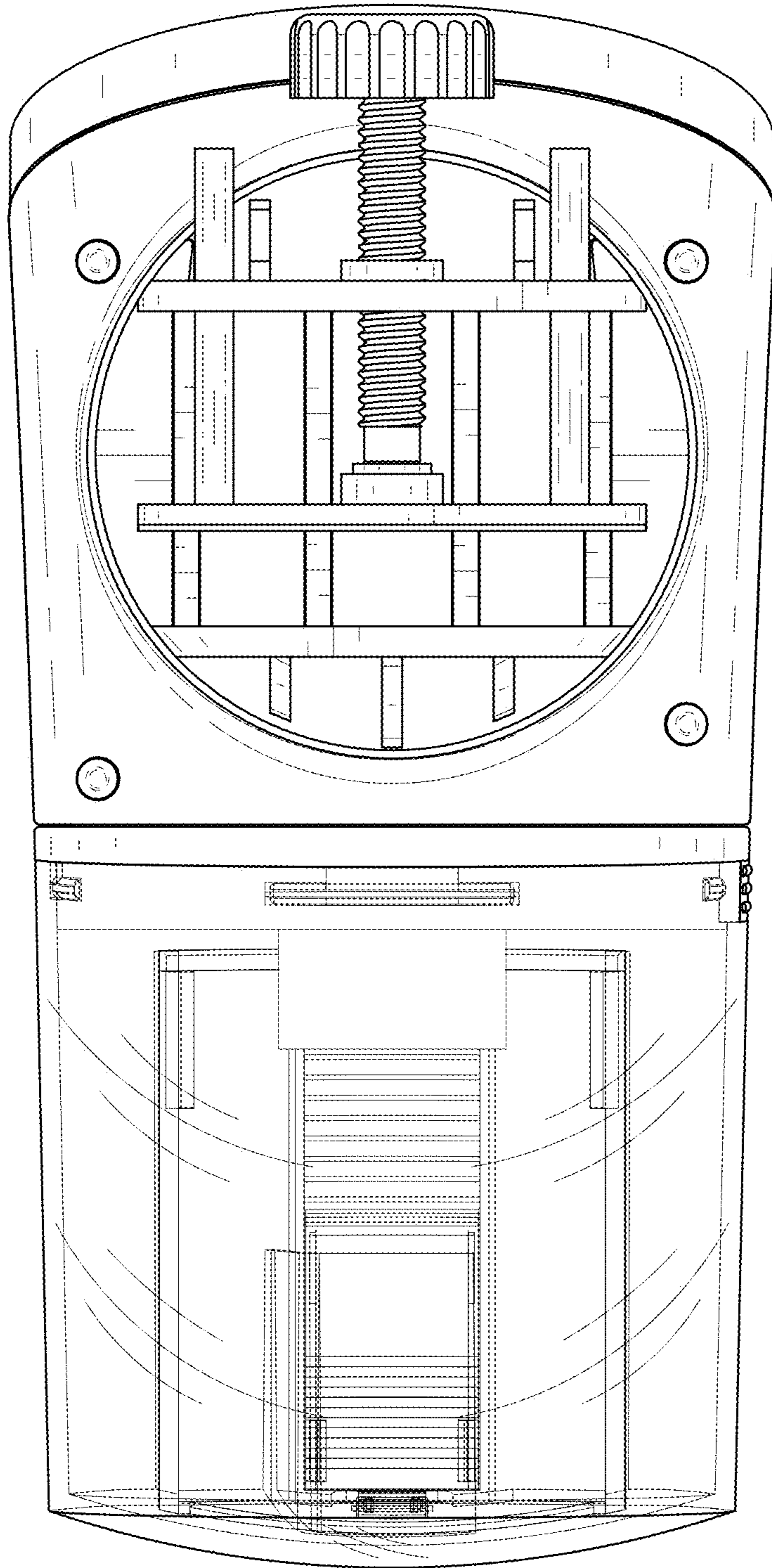


FIG. 6

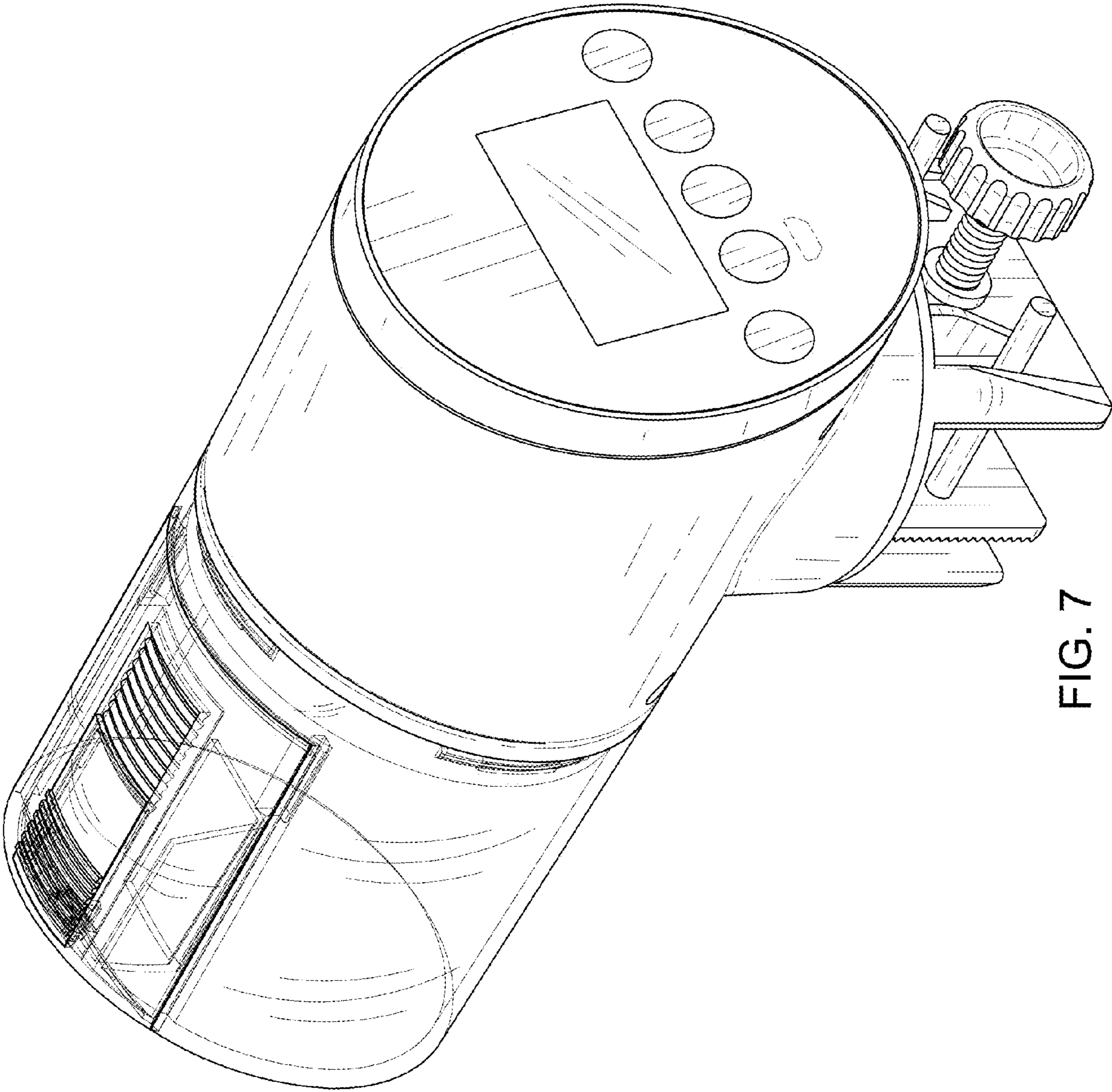


FIG. 7

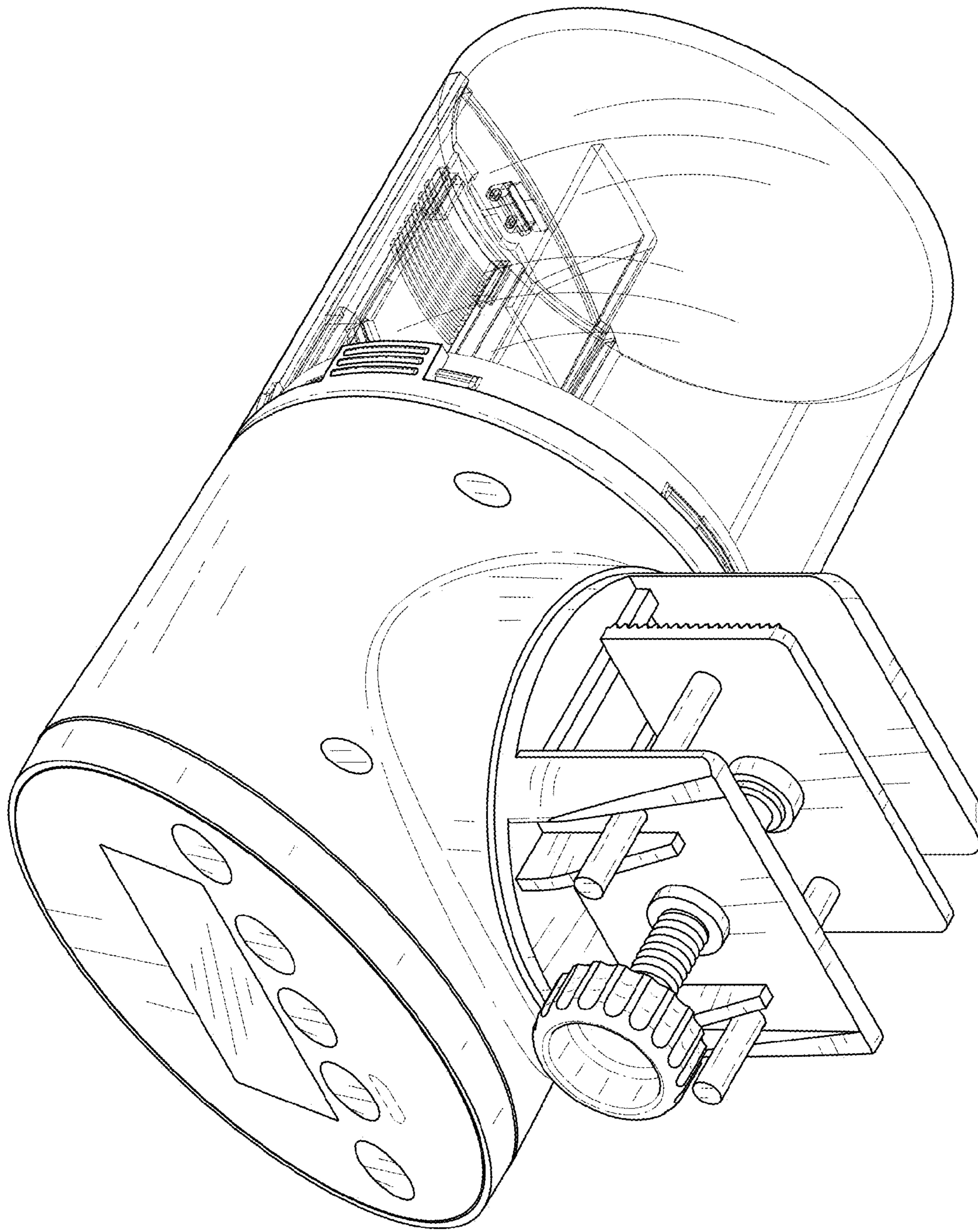


FIG. 8