



US0D1024271S

(12) **United States Design Patent**
Rowen et al.

(10) **Patent No.:** **US D1,024,271 S**
(45) **Date of Patent:** **** Apr. 23, 2024**

(54) **FOAM SPRAYER**

(71) Applicant: **ENERGIZER AUTO, INC.**, St. Louis, MO (US)

(72) Inventors: **Benjamin W. Rowen**, North Olmsted, OH (US); **Joanna Lynn Celestina**, Westlake, OH (US); **Thanh Ngoc Tran**, Meriden, CT (US)

(73) Assignee: **ENERGIZER AUTO, INC.**, St. Louis, MO (US)

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

(21) Appl. No.: **29/814,698**

(22) Filed: **Nov. 8, 2021**

(51) **LOC (14) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/226**

(58) **Field of Classification Search**
USPC D23/200, 213, 223, 226, 229, 235
CPC .. B05B 9/01; B05B 9/03; B05B 12/00; B05B 12/0026; B08B 3/026; B08B 3/028; B08B 2203/0282

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D519,602 S * 4/2006 Dodd D23/213

D533,918 S * 12/2006 Dodd D23/213

8,864,051 B2 * 10/2014 Lin B05B 3/0409
239/240

D742,998 S * 11/2015 Gooden B05B 15/65
D23/225

9,211,560 B1 * 12/2015 Chen B05B 3/06

10,259,002 B1 * 4/2019 Kuo B05B 14/30

D937,386 S * 11/2021 Thompson D23/225

D972,684 S * 12/2022 Pieroni D23/226

D972,685 S * 12/2022 Pieroni D23/226

D973,841 S * 12/2022 Pieroni D23/225

D973,842 S *	12/2022	Pieroni		D23/225
D1,002,795 S *	10/2023	Schneider		D23/213
D1,002,796 S *	10/2023	Schneider		D23/213
2010/0320289 A1 *	12/2010	Kuo		B08B 3/026 239/290
2012/0286071 A1 *	11/2012	Lin		B05B 7/2435 239/525

(Continued)

OTHER PUBLICATIONS

Armor All 2-in-1 Foam Cannon Kit. Amazon Standard ID# B09WZP96FL. Catalogue [Online]. Amazon.com 2022. [Date First Available: Apr. 1, 2022][Retrieved on Oct. 28, 2023]. Retrieved from the Internet: <URL:https://www.amazon.com/Armor-All-Canister-Pressure-Adaptors/dp/B09WZP96FL> (Year: 2022).*

(Continued)

Primary Examiner — Janice Hallmark
Assistant Examiner — Adedoyin Taiwo Odeyale
(74) Attorney, Agent, or Firm — Lee & Hayes P.C.

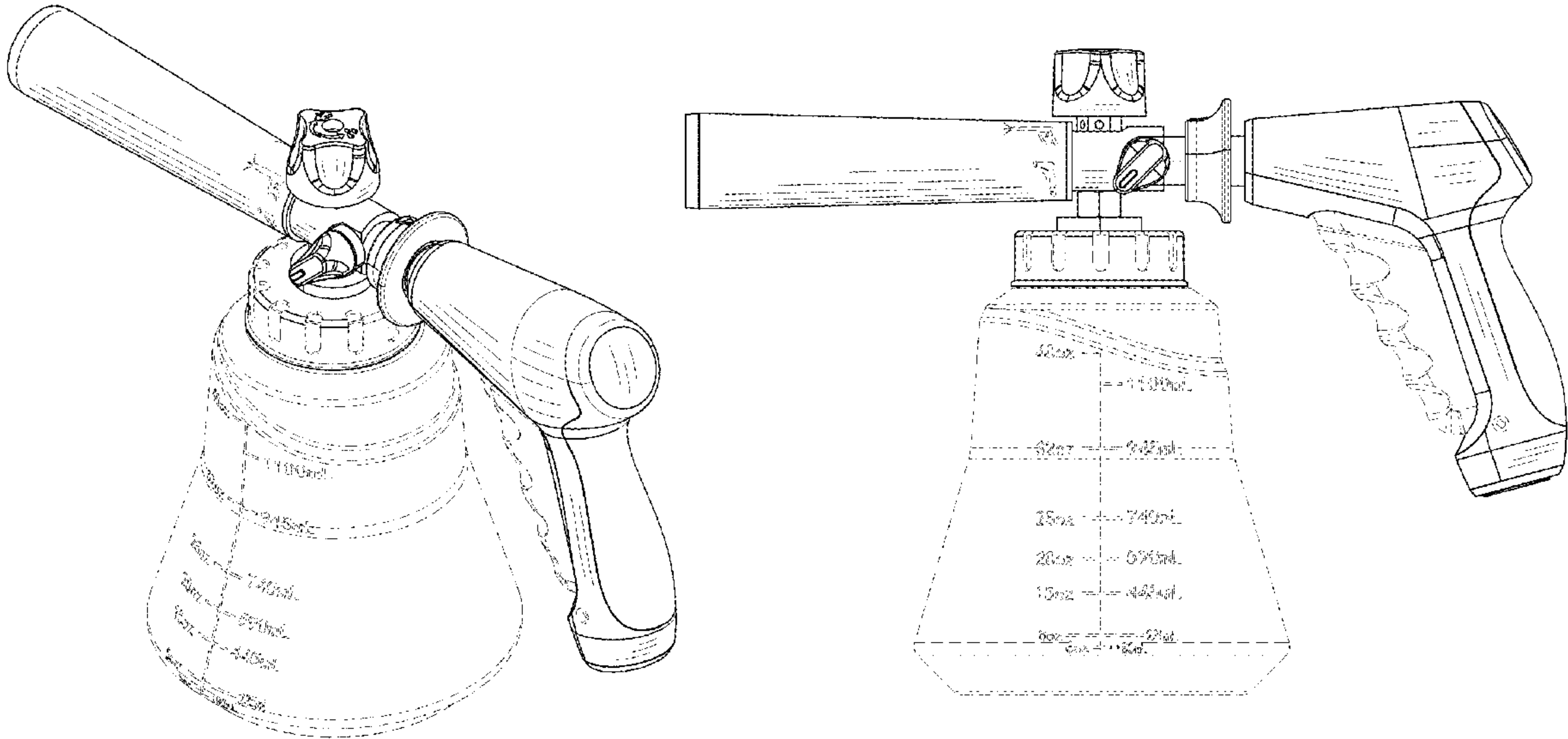
(57) **CLAIM**

The ornamental design for a foam sprayer, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a foam sprayer of my new design.
FIG. 2 is a second perspective view thereof.
FIG. 3 is a right side view thereof.
FIG. 4 is a left side view thereof.
FIG. 5 is a back view thereof.
FIG. 6 is a front view thereof.
FIG. 7 is a top view thereof; and,
FIG. 8 is a bottom view thereof.
Broken lines represent portions of the foam sprayer that are for illustrative purposes only and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



References Cited

2013/0056558	A1 *	3/2013	Chen	B08B 3/028 239/302
2014/0061334	A1 *	3/2014	Liao	B05B 7/2435 239/315
2016/0332175	A1 *	11/2016	Fu	B08B 3/028
2017/0120266	A1 *	5/2017	Fu	B05B 7/064
2018/0304314	A1 *	10/2018	Chiang	B08B 3/028
2022/0134366	A1 *	5/2022	Pieroni	B05B 7/066 239/8
2022/0152635	A1 *	5/2022	Chen	B05B 3/0463
2023/0141018	A1 *	5/2023	Rowen	B05B 7/2443 239/310

Chinese Office Action dated Jun. 26, 2023 for Chinese Patent Application No. 202230266490.5, a foreign counterpart to U.S. Appl. No. 29/814,698, 1 page.

* cited by examiner

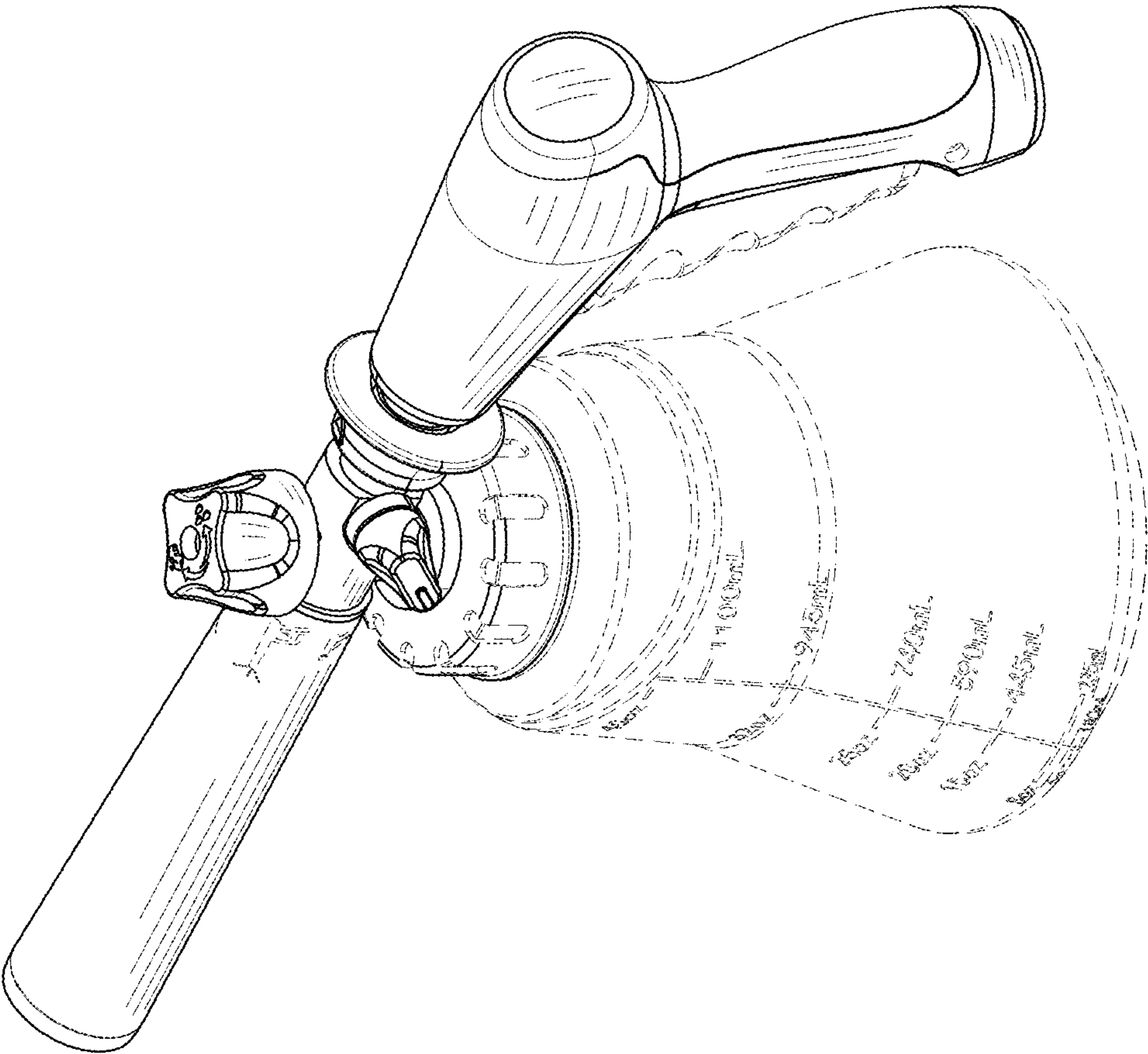


FIG. 1

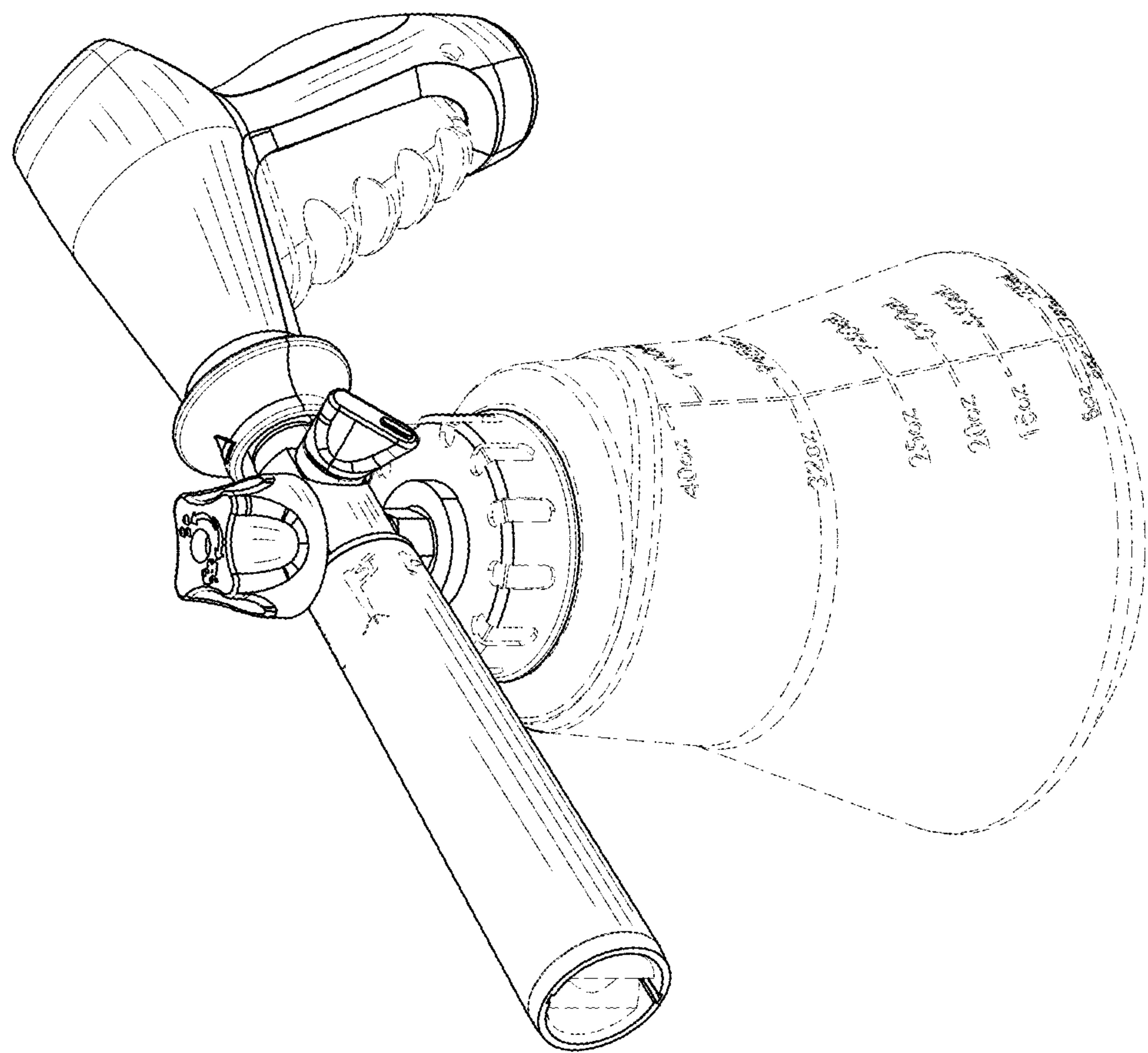


FIG. 2

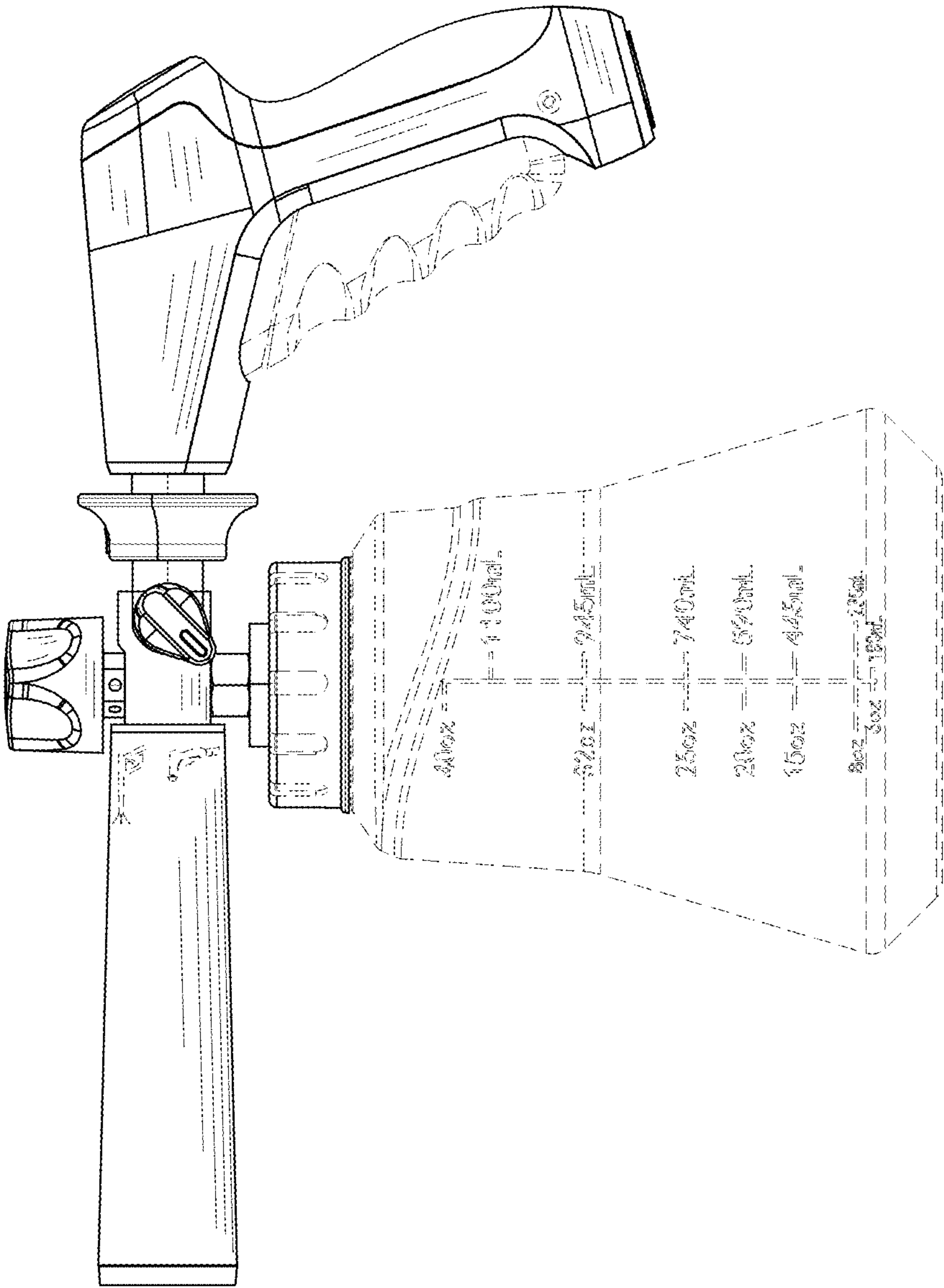


FIG. 3

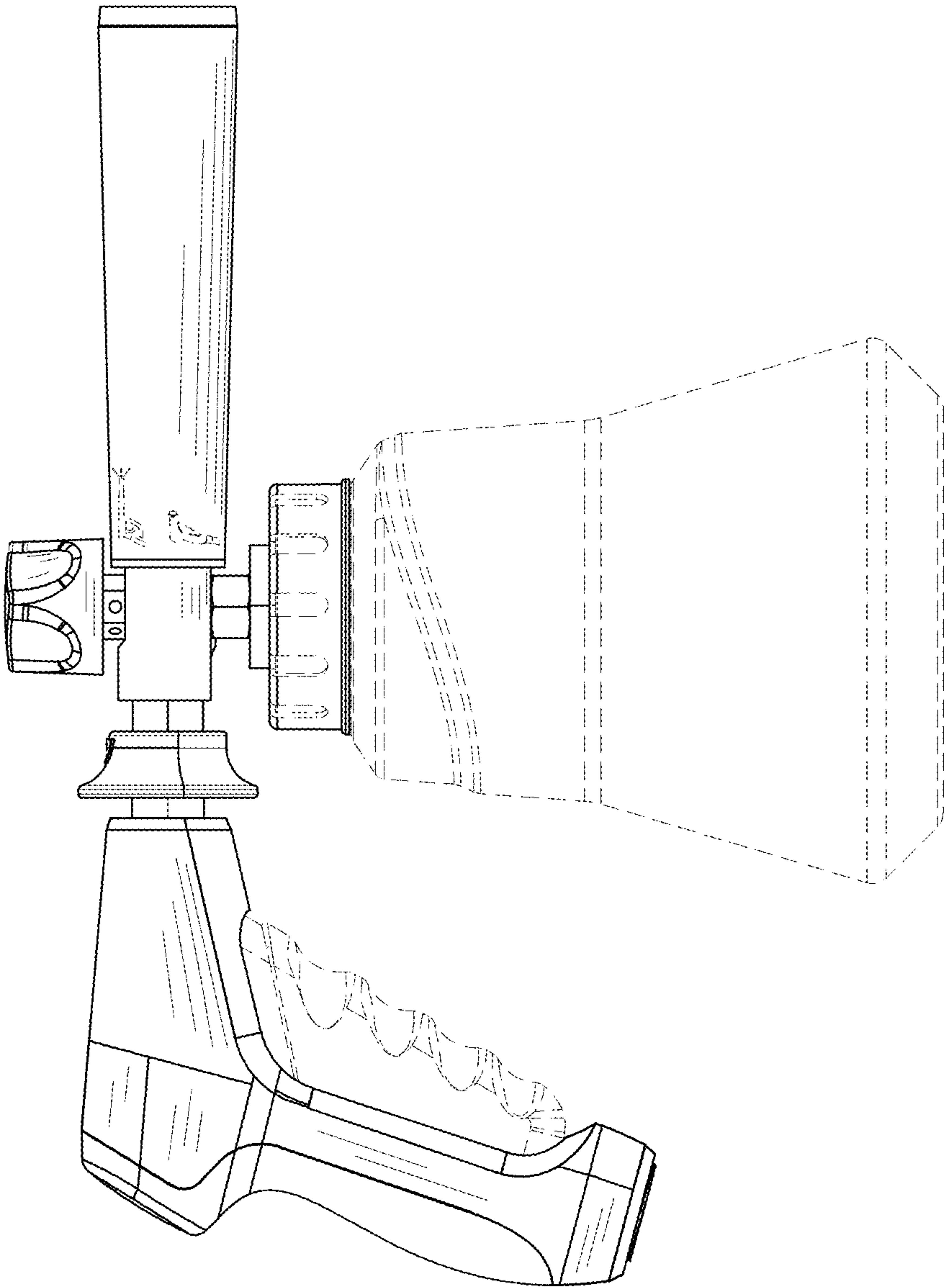


FIG. 4

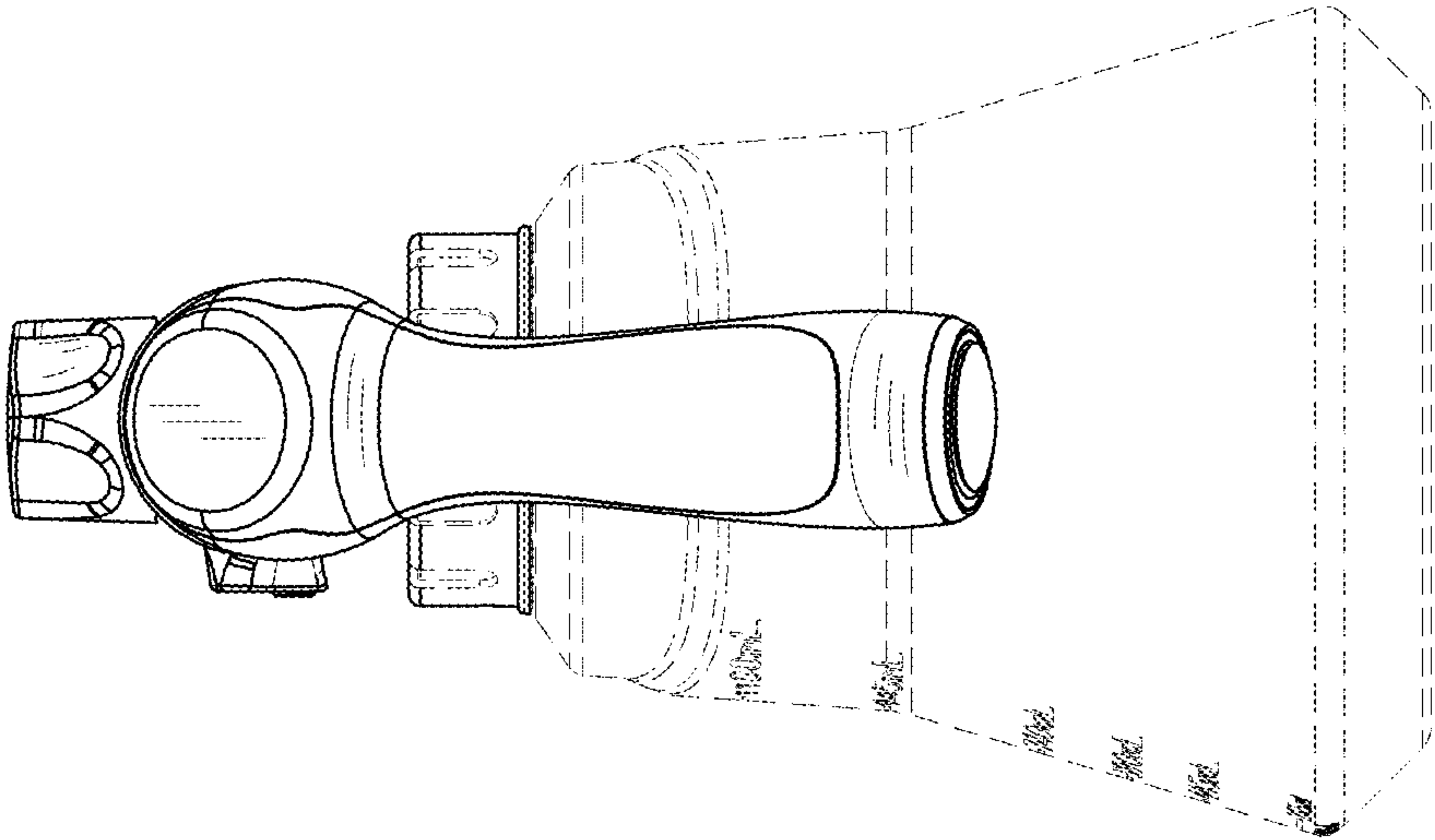


FIG. 5

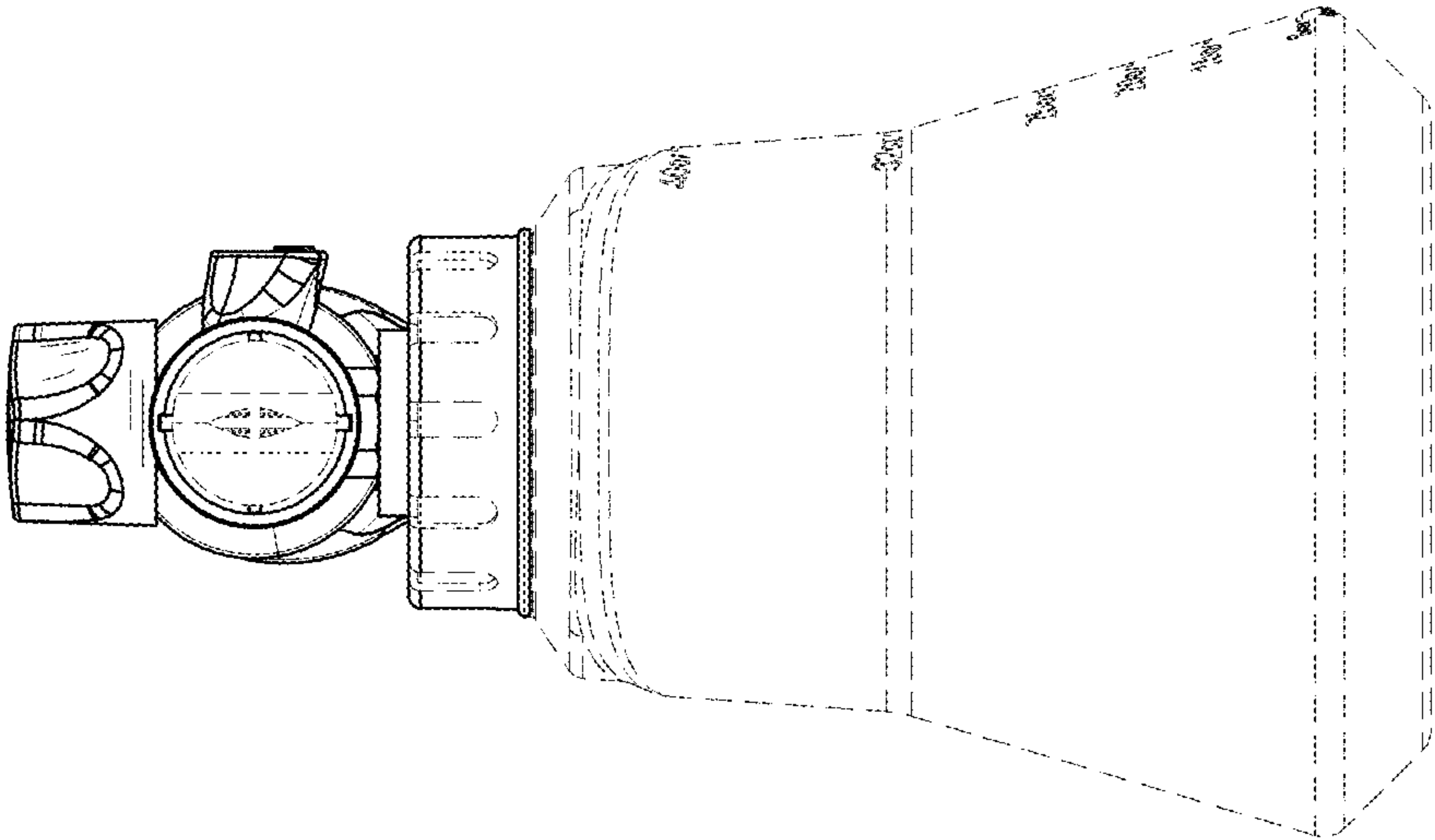


FIG. 6

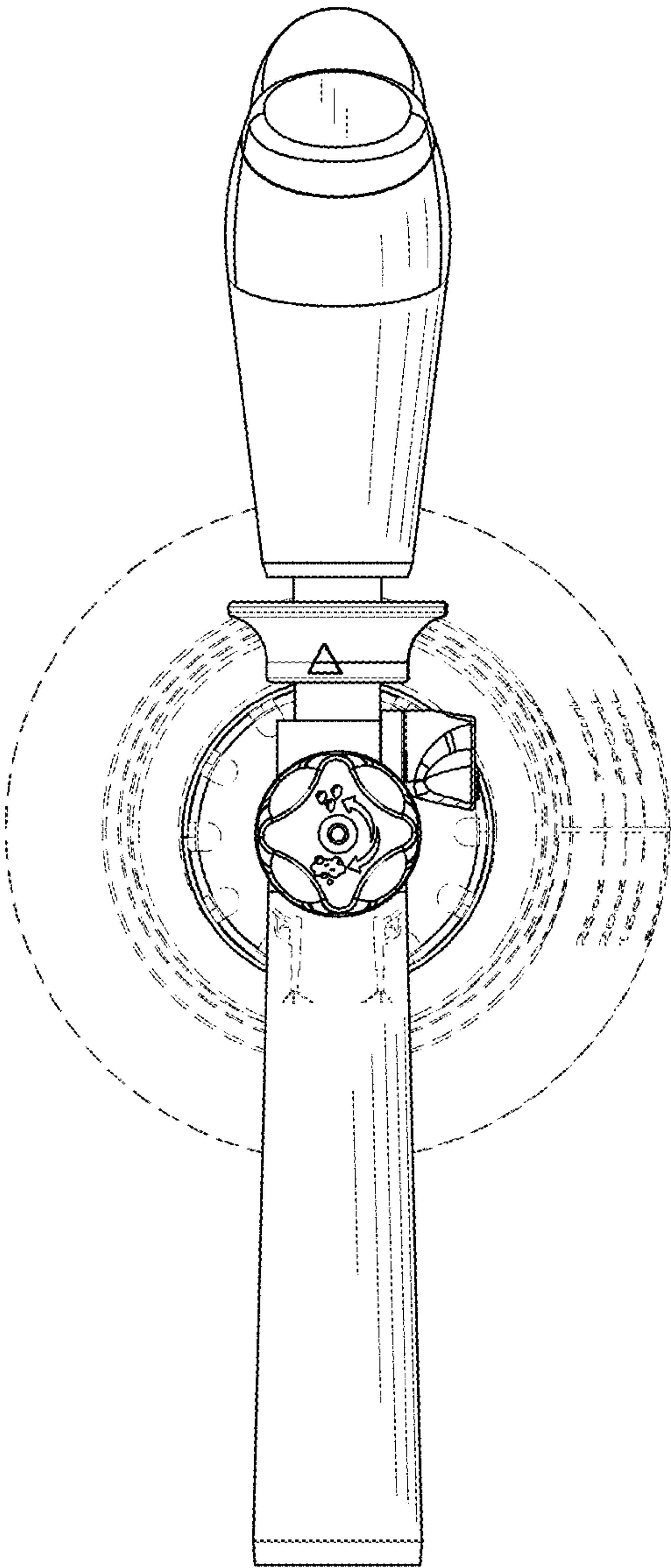


FIG. 7

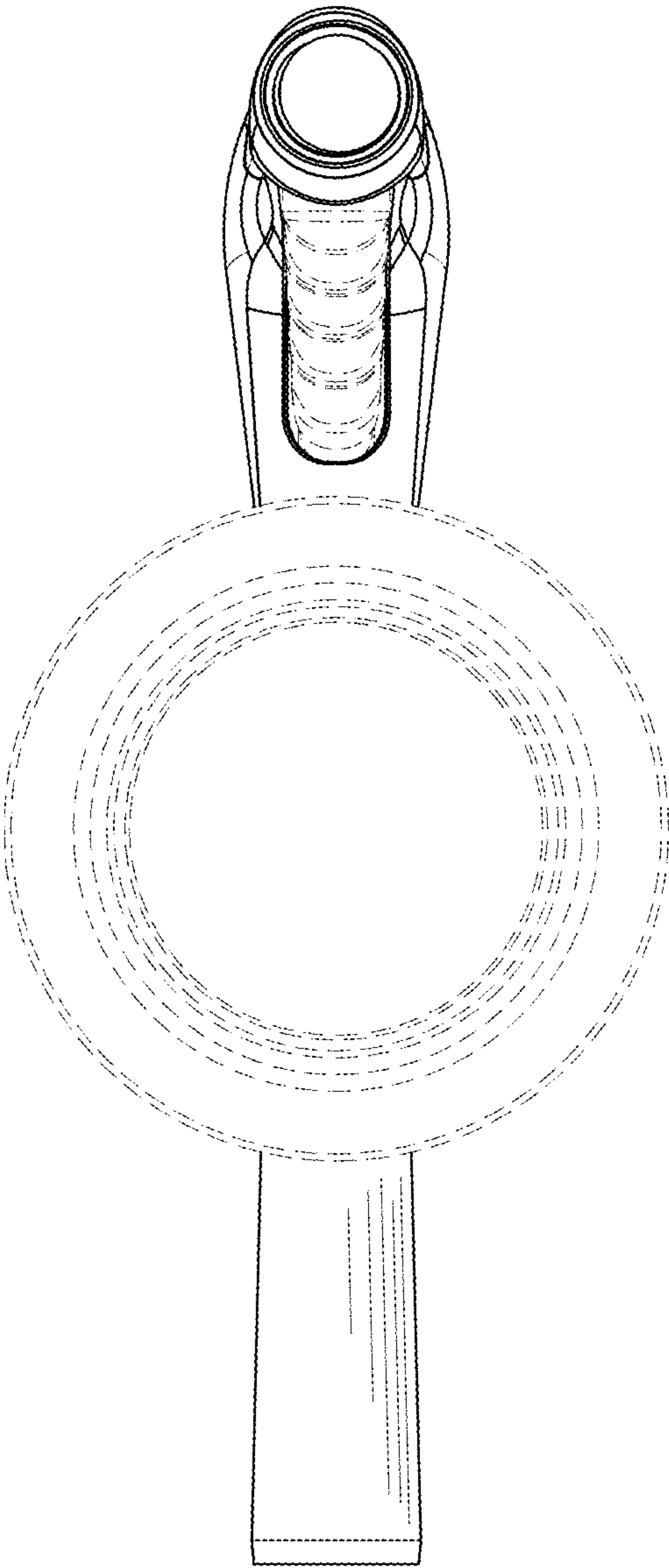


FIG. 8