



US00D866329S

(12) **United States Design Patent** (10) **Patent No.:** **US D866,329 S**
Tu (45) **Date of Patent:** **** Nov. 12, 2019**

(54) **MANUAL FLUID SPRAYER DEVICE**
(71) Applicant: **Zhejiang JM Industry Co., Ltd.**,
Yuyao, Zhejiang Province (CN)
(72) Inventor: **Xufeng Tu**, Yuyao (CN)
(73) Assignee: **Zhejiang JM Industry Co., LTD**,
Yuyao (CN)
(**) Term: **15 Years**
(21) Appl. No.: **29/654,646**
(22) Filed: **Jun. 26, 2018**
(51) **LOC (12) Cl.** **09-07**
(52) **U.S. Cl.**
USPC **D9/448**
(58) **Field of Classification Search**
USPC D9/428, 429, 432, 434, 435, 436, 439,
D9/440, 443, 444, 445, 447, 449-455,
D9/499, 500, 503, 504, 705, 448, 682,
D9/685; D7/317, 387, 391, 392, 392.1,
D7/393, 396.1, 396.2, 509-511, 538, 900;
D3/202, 203.2, 294, 302, 318; D28/91;
D23/226
CPC .. A61J 1/00; A61J 1/1412; B65D 1/00; B65D
1/02; B65D 1/10; B65D 1/46; B65D
2585/56; B65D 2585/545; B65D 41/00;
B65D 41/38; B65D 41/56; B65D 41/62;
B65D 47/00; B65D 47/06; B65D 47/08;
B65D 2543/00046; B65D 2543/00092;
B65D 2543/00296; B65D 5/46; B65D
2251/00
See application file for complete search history.

D373,312 S * 9/1996 Lin D23/226
D373,313 S * 9/1996 Lin D23/226
D400,102 S * 10/1998 Tada D9/448
D447,415 S * 9/2001 Spengler D9/448
D477,779 S * 7/2003 Weihrauch D9/601
D521,864 S * 5/2006 Cartoni D9/448
D523,337 S * 6/2006 Yang D9/448
D546,683 S * 7/2007 Yang D9/448
(Continued)

FOREIGN PATENT DOCUMENTS

CN 304552898 * 3/2018
Primary Examiner — Michael A. Pratt
Assistant Examiner — Wendy L Arminio
(74) *Attorney, Agent, or Firm* — Haugen Law Firm PLLP

(57) **CLAIM**

The ornamental design for a manual fluid sprayer device, as shown and described.

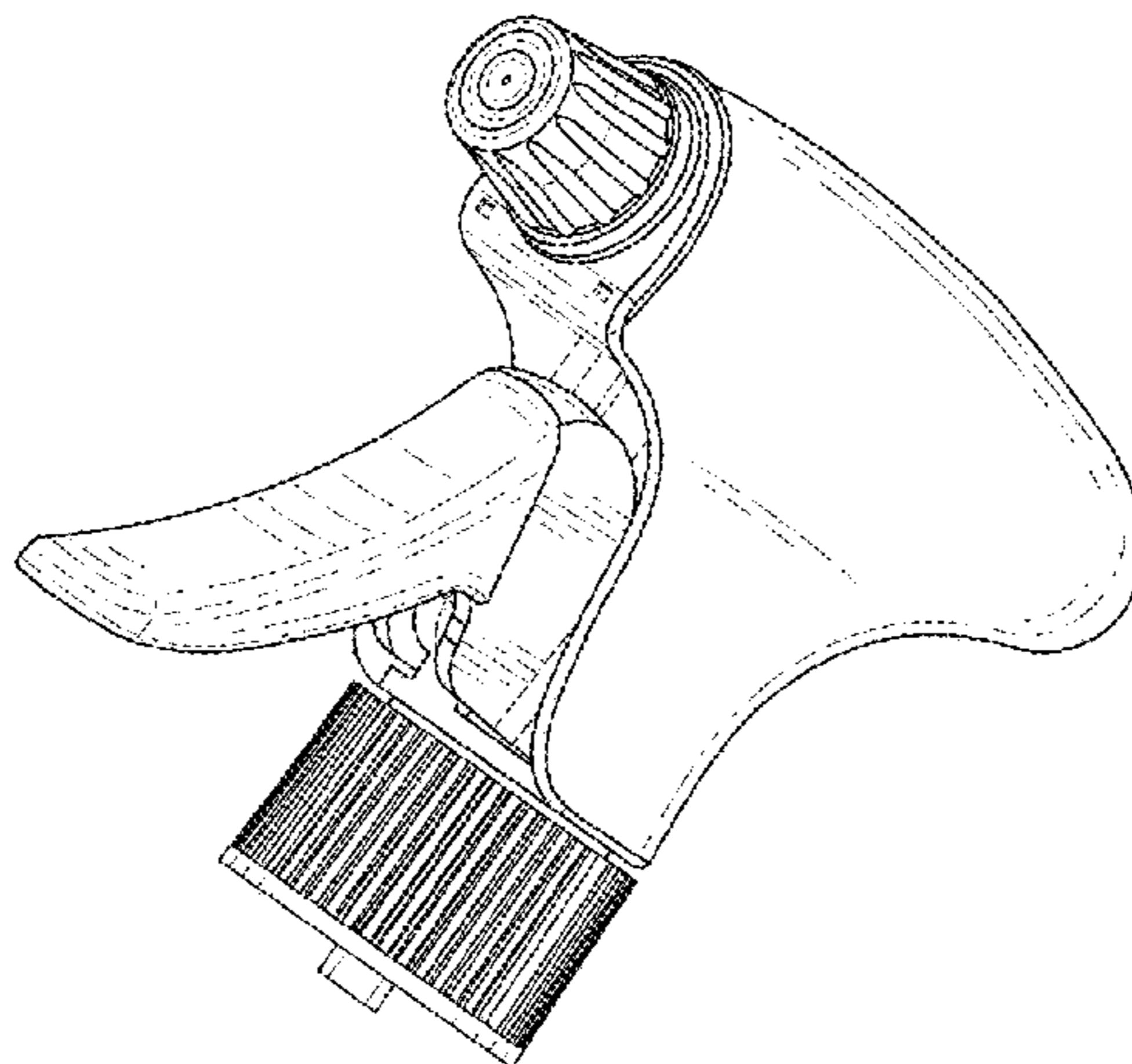
DESCRIPTION

FIG. 1 is a front lower perspective view of the manual fluid sprayer device of the present invention;
FIG. 2 is a rear upper perspective view of the of the manual fluid sprayer device of the present invention;
FIG. 3 is a right side elevational view of the manual fluid sprayer device of the present invention;
FIG. 4 is a left side elevational view of the manual fluid sprayer device of the present invention;
FIG. 5 is a front elevational view of the manual fluid sprayer device of the present invention;
FIG. 6 is a rear elevational view of the manual fluid sprayer device of the present invention;
FIG. 7 is a top plan view of the manual fluid sprayer device of the present invention; and,
FIG. 8 is a bottom plan view of the manual fluid sprayer device of the present invention.
The portions of the manual fluid sprayer device shown in broken lines form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS

D275,456 S * 9/1984 Martin D23/226
D285,713 S * 9/1986 Garneau D23/226
D305,612 S * 1/1990 Haworth D9/523
D351,646 S * 10/1994 Foster D23/226



(56)

References Cited

U.S. PATENT DOCUMENTS

D550,079	S	*	9/2007	Yang	.....	D9/448
D582,768	S	*	12/2008	Cantoni	.....	D9/448
D582,769	S	*	12/2008	Turchi	.....	D9/448
D582,770	S	*	12/2008	Turchi	.....	D9/448
D587,574	S	*	3/2009	Cantoni	.....	D9/448
D601,897	S	*	10/2009	Contiero	.....	D9/448
D625,187	S	*	10/2010	McCay	.....	D9/448
D625,188	S	*	10/2010	Rech	.....	D9/448
D632,175	S	*	2/2011	Tu	.....	D9/448
D662,816	S	*	7/2012	Notarianni	.....	D9/448
D685,268	S	*	7/2013	Gill	.....	D9/448
D692,775	S	*	11/2013	Burgeson	.....	D9/448
D715,648	S	*	10/2014	Kistler	.....	D9/448
2010/0200675	A1	*	8/2010	Tu	.....	B05B 11/3011 239/428.5

* cited by examiner

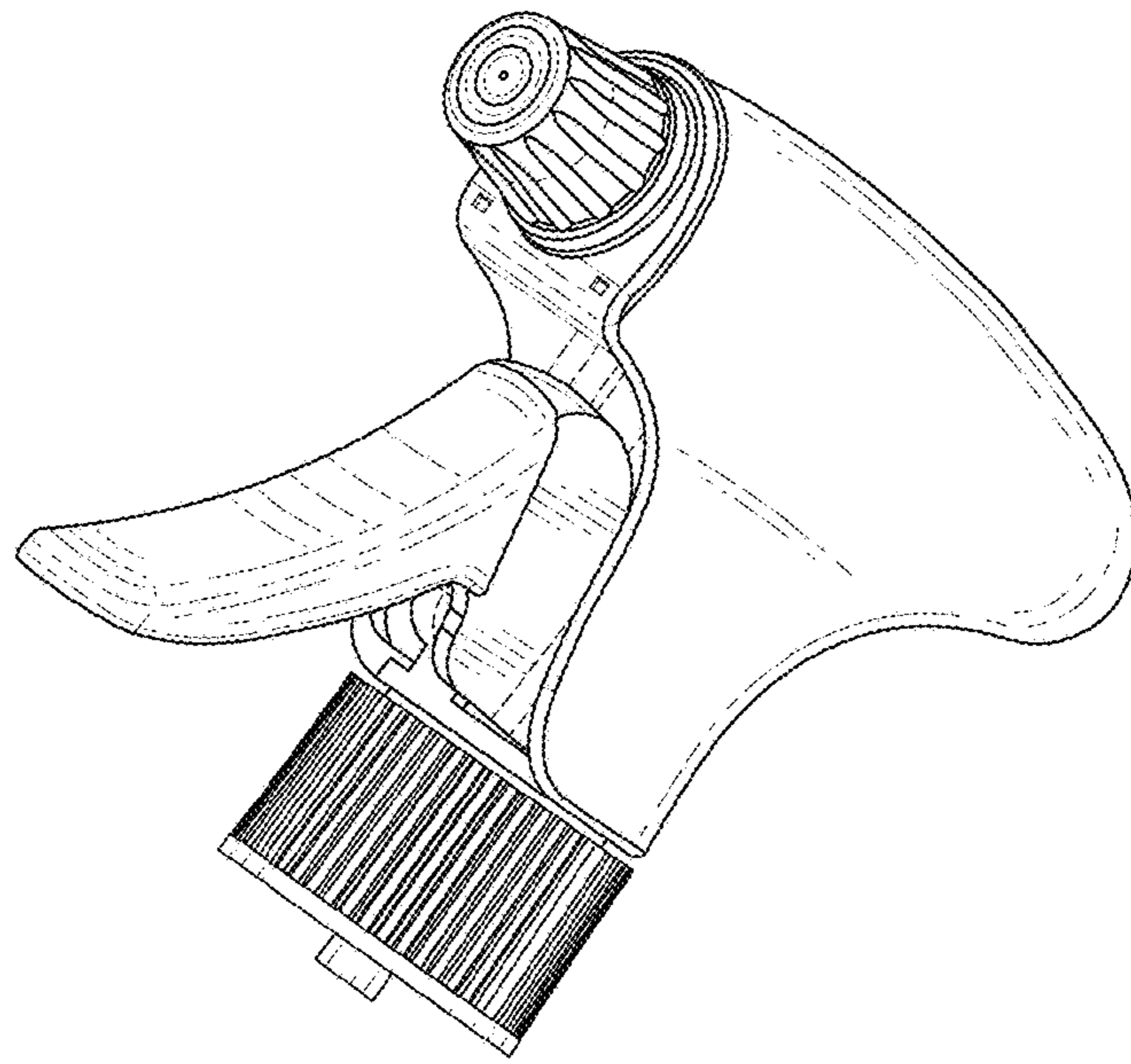


FIG. 1

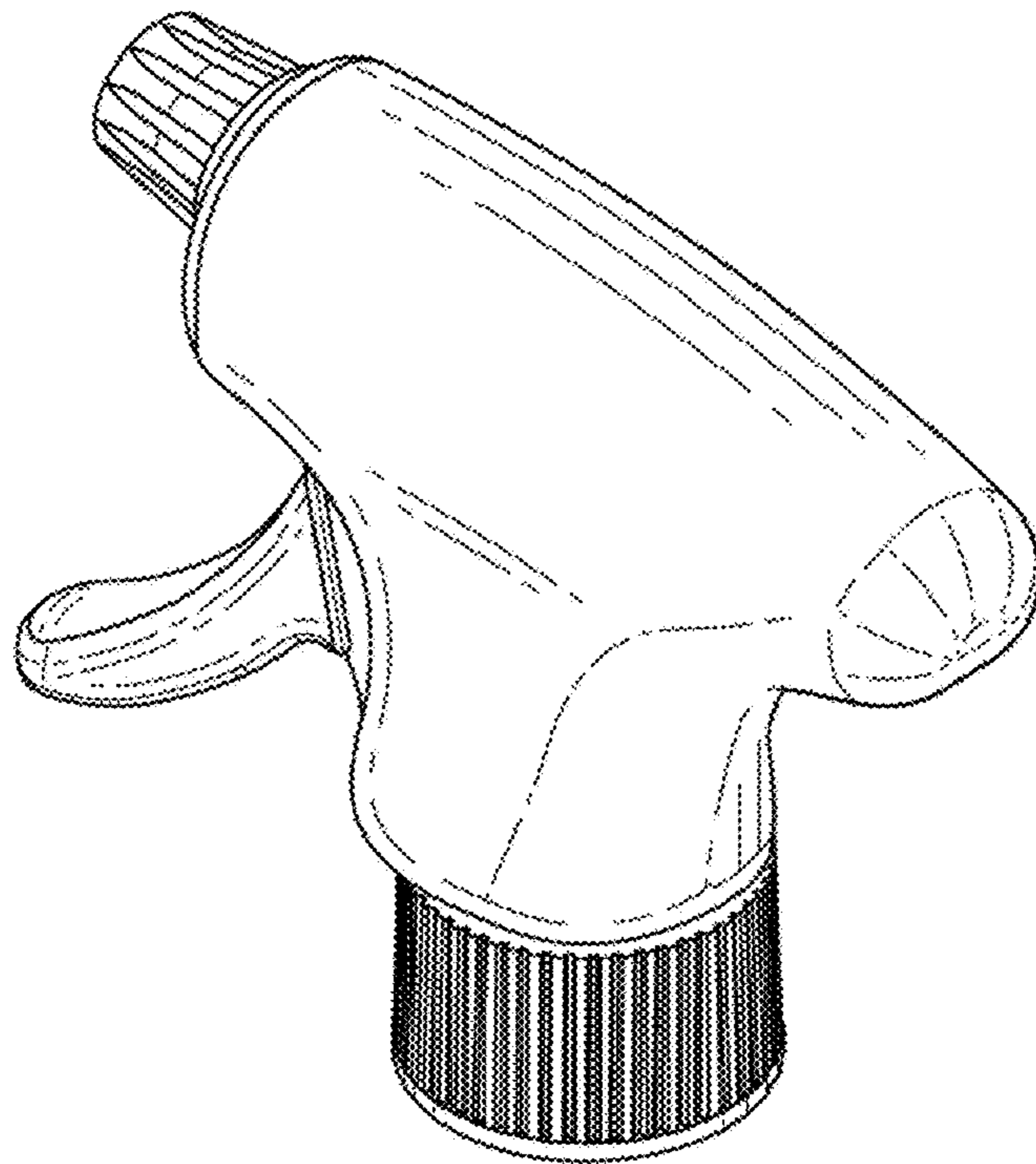


FIG. 2

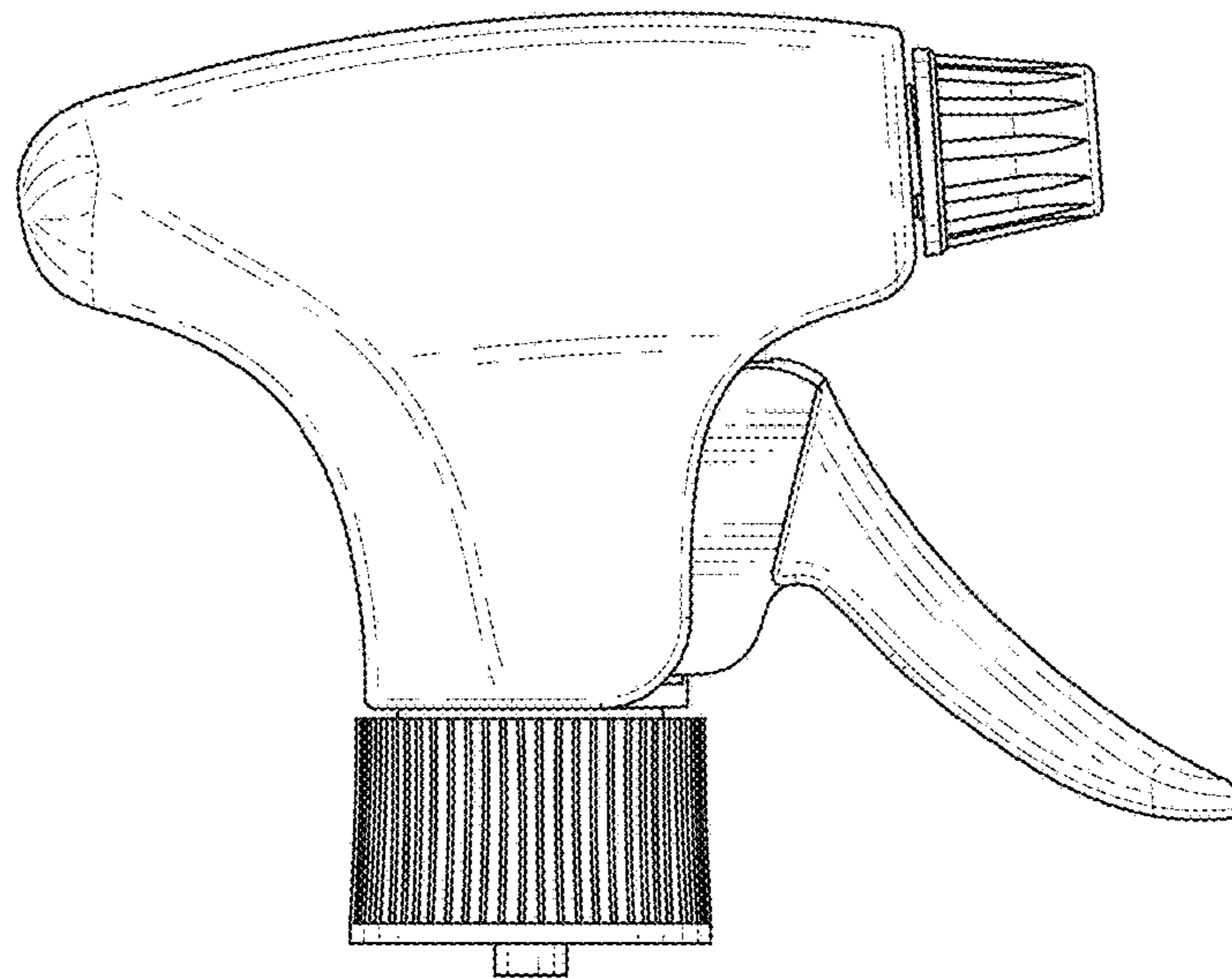


FIG. 3

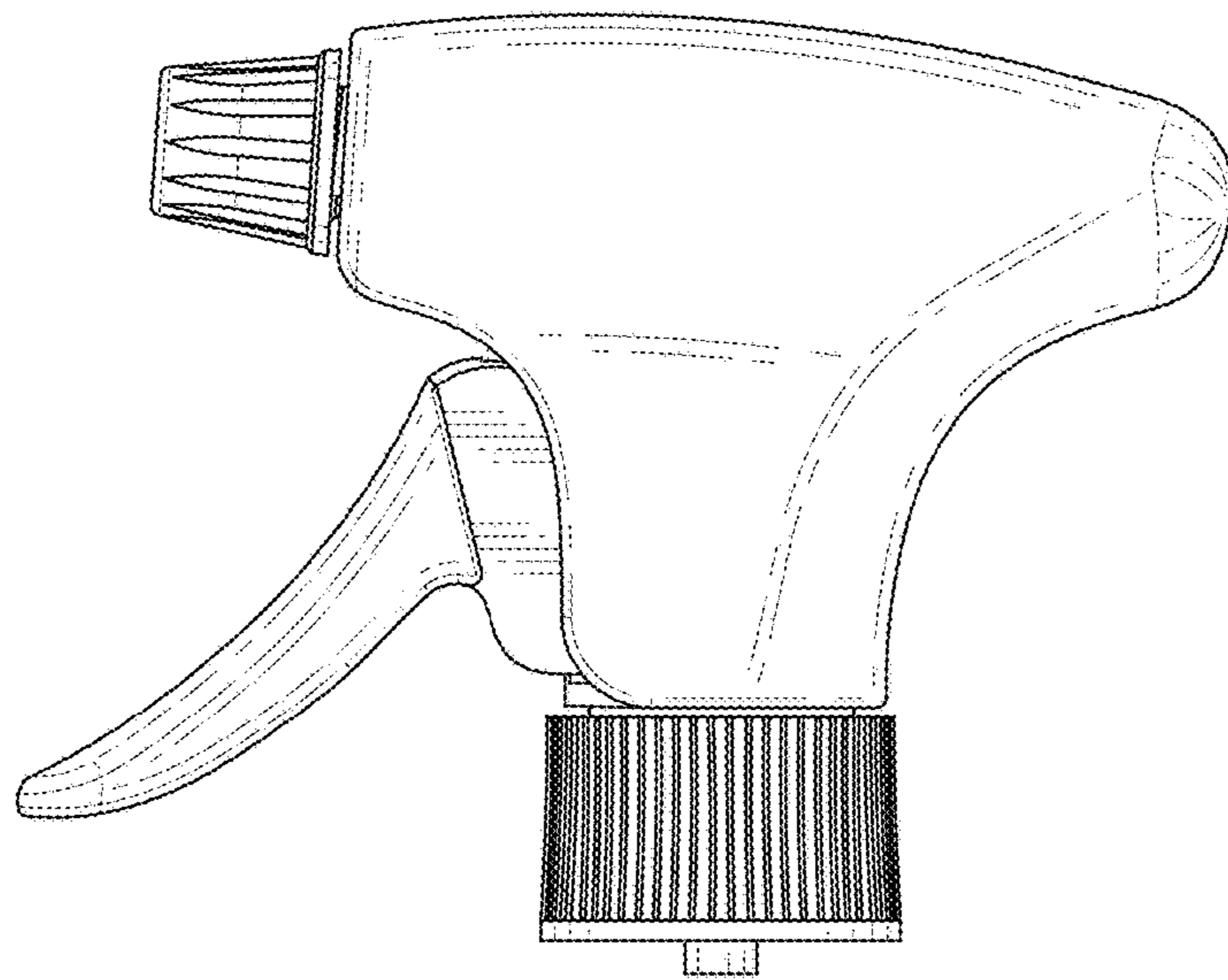


FIG. 4

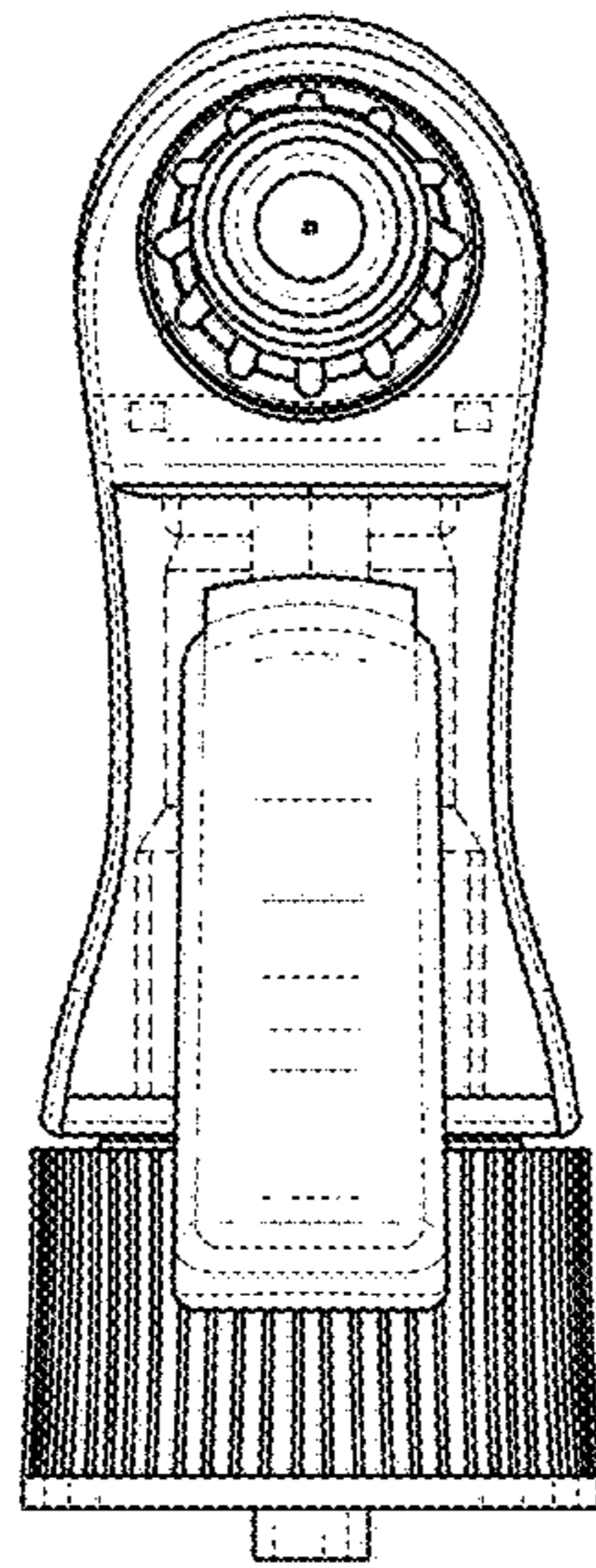


FIG. 5

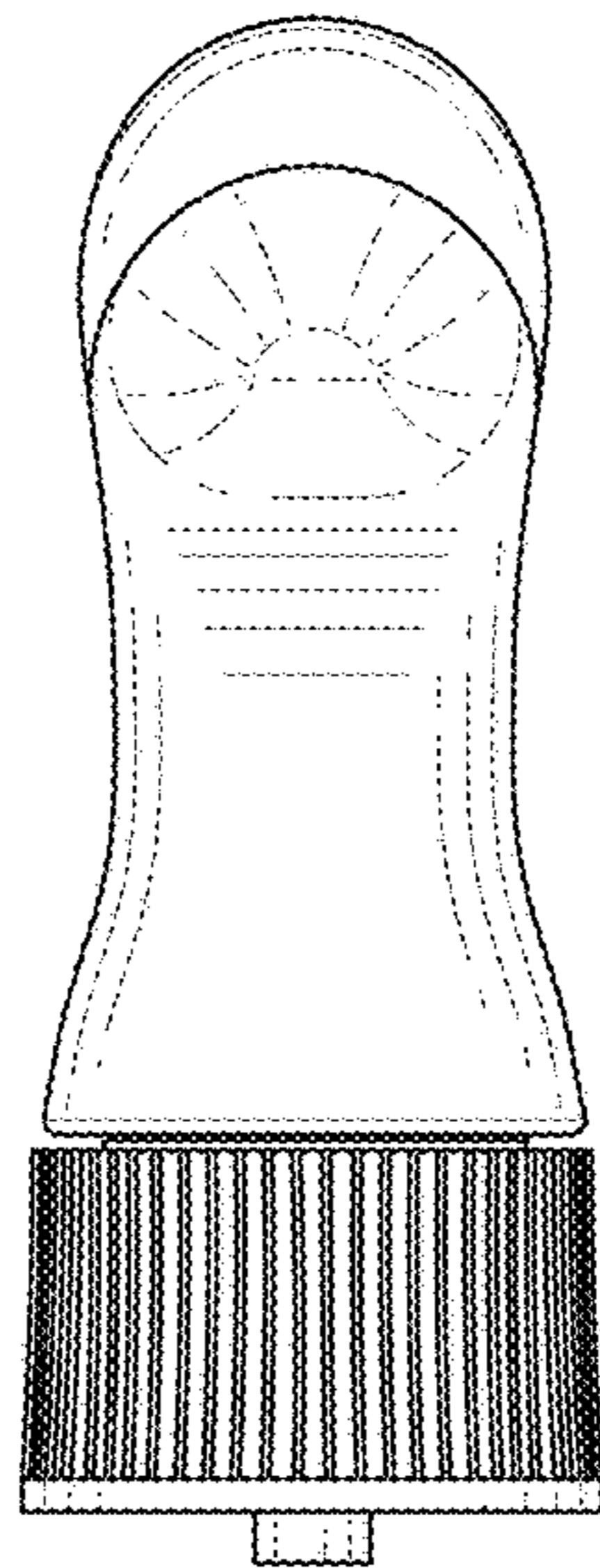


FIG. 6

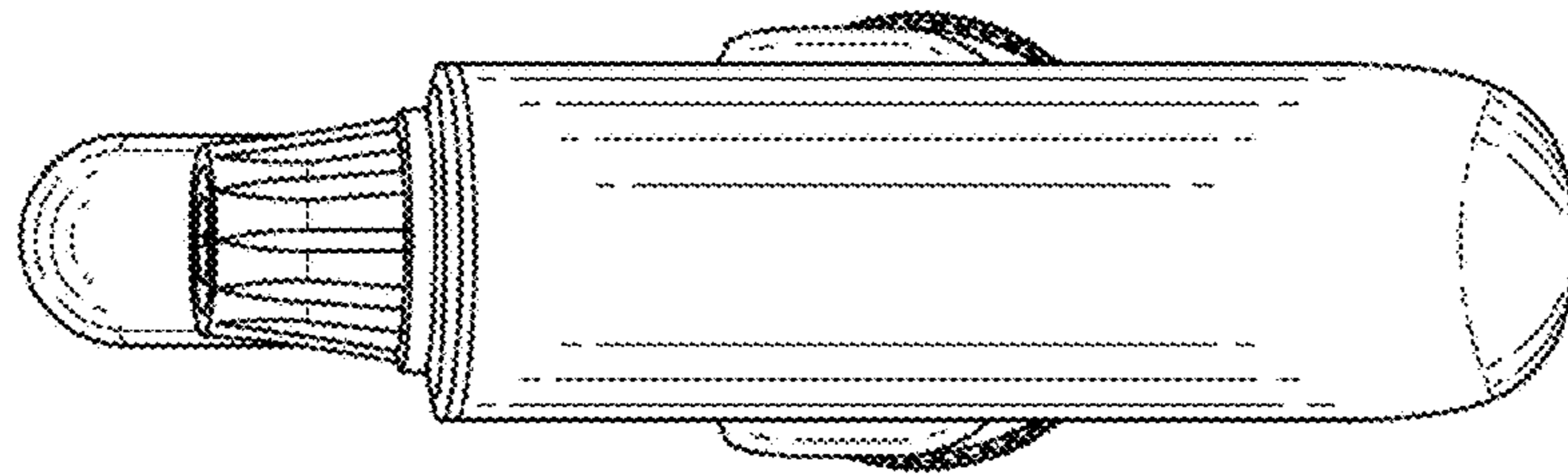


FIG. 7

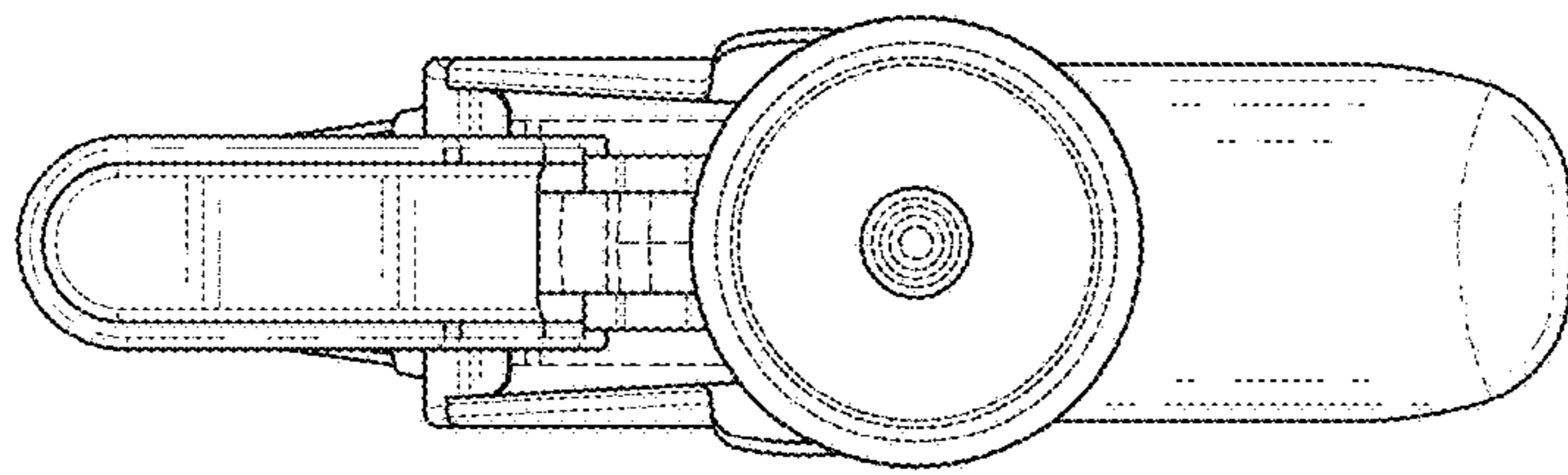


FIG. 8