



US00D773594S

(12) **United States Design Patent** (10) **Patent No.:** **US D773,594 S**
Larson, Jr. (45) **Date of Patent:** **** Dec. 6, 2016**

(54) **MUZZLE BRAKE**
(71) Applicant: **Rock River Arms, Inc.**, Colona, IL (US)
(72) Inventor: **Lester C. Larson, Jr.**, Colona, IL (US)
(73) Assignee: **Rock River Arms, Inc.**, Colona, IL (US)

(**) Term: **15 Years**
(21) Appl. No.: **29/551,750**

(22) Filed: **Jan. 15, 2016**
(51) **LOC (10) Cl.** **22-01**
(52) **U.S. Cl.**
USPC **D22/108**

(58) **Field of Classification Search**
USPC D22/108; D21/572-573; 89/14.05, 89/14.1-14.8, 44, 63-64, 75.01-75.04, 76.01, 89/76.02-76.1; 433/159, 173
CPC F41A 21/02; F41A 21/08; F41A 21/48; F41A 21/481; F41A 21/482; F41A 21/484; F41A 21/485; F41A 21/487; F41A 21/488; F41A 21/34; F41A 21/325; F41A 21/32; F41A 21/28
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D577,409 S * 9/2008 Brittingham D22/108
7,661,349 B1 * 2/2010 Brittingham F41A 21/30 181/223
7,854,085 B1 * 12/2010 Hodgkins F41A 21/32 42/85
7,861,636 B1 * 1/2011 Hoffman F41A 21/34 89/14.2
7,870,815 B2 * 1/2011 Hung F41A 21/34 42/77
D637,901 S * 5/2011 Hinton D8/397
D646,008 S * 9/2011 Couture D26/49
D666,687 S * 9/2012 Nierenberg D22/108

D677,357 S * 3/2013 Dueck D22/108
D733,828 S * 7/2015 Larson, Jr. D22/108
2014/0130391 A1 * 5/2014 Degidio F41A 21/40 42/79
2015/0013204 A1 * 1/2015 McNitt F41C 27/16 42/90
2015/0308778 A1 * 10/2015 Vossler F41A 21/36 89/14.3

(Continued)

OTHER PUBLICATIONS

RRA Helical Tactical Muzzle Brake, Rock River Arms, [online], [site visited Oct. 3, 2016]. <URL: http://www.rockriverarms.com/index.cfm?fuseaction=category.display&category_id=276>.*

(Continued)

Primary Examiner — T. Chase Nelson
Assistant Examiner — Jonathan J Han
(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

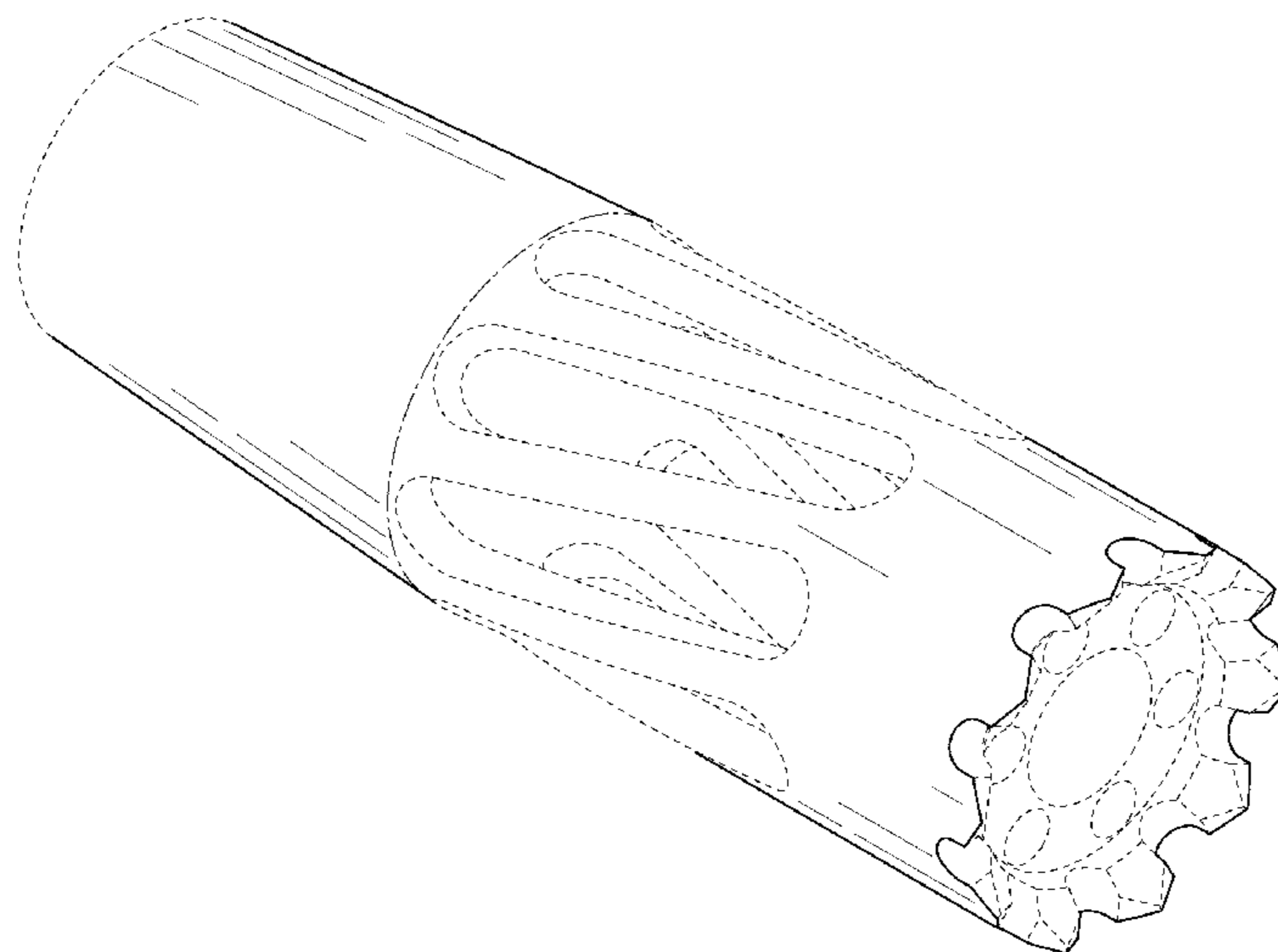
(57) **CLAIM**

The ornamental design for a muzzle brake, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, left perspective view of a muzzle brake showing my new design;
FIG. 2 is a front view thereof;
FIG. 3 is a right side view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a bottom view thereof; and,
FIG. 6 is a top view thereof.
The uneven-length broken line within the shaded area in FIGS. 1 and 3-6 correspond to an unclaimed feature. The even-length broken lines immediately adjacent to the shaded area represent unclaimed boundaries of the claimed design. The even-length broken lines showing the remainder of the muzzle brake are for environmental purposes only and form no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2016/0209146 A1* 7/2016 Smith F41A 21/18

OTHER PUBLICATIONS

RRA Beast Muzzle Brake, Rock River Arms, [online], [site visited Oct. 3, 2016]. <URL: http://www.rockriverarms.com/index.cfm?fuseaction=category.display&category_id=418>.*

Gemtech Muzzle Brake, Silencer Shop, [online], [site visited Oct. 3, 2016]. <URL: <http://www.silencershop.com/accessories/muzzle-brakes/gemtech-muzzle-brake-new.html>>.*

25384 M14x1 RH Twisted Menace Muzzle Brake, CNC Warrior, [online], [site visited Oct. 3, 2016]. <URL: <http://www.cncwarrior.com/M14x1-RH-Twisted-Menace-Muzzle-Brake-p/25384.htm>>.*

Muzzle Brake "The Grater" 5.56 NATO/.223 Rem, TrojanFirearms.com, [online], [site visited Oct. 3, 2016]. <URL: <http://www.trojanfirearms.com/en/muzzle-brake-the-grater>>.*

Annihilator Muzzle Brake (5.56MM), YHM.net, [online], [site visited Oct. 3, 2016]. <URL: <http://yhm.net/annihilator-muzzle-brake-5-56mm.html>>.*

X4 Muzzle Brake, 2A Armament, [online], [site visited Oct. 3, 2016]. <URL: <http://2a-arms.com/products/copy-of-x4-titanium-brake>>.*

AR15 Shark Style Muzzle Brake, Rousch Sports, [online], [site visited Oct. 3, 2016]. <URL: <https://rouschsports.com/shop/ar15-upper-parts/muzzle-devices-muzzle-brake-flash-hider-concussion-device/ar15-shark-style-muzzle-brake/>>.*

* cited by examiner

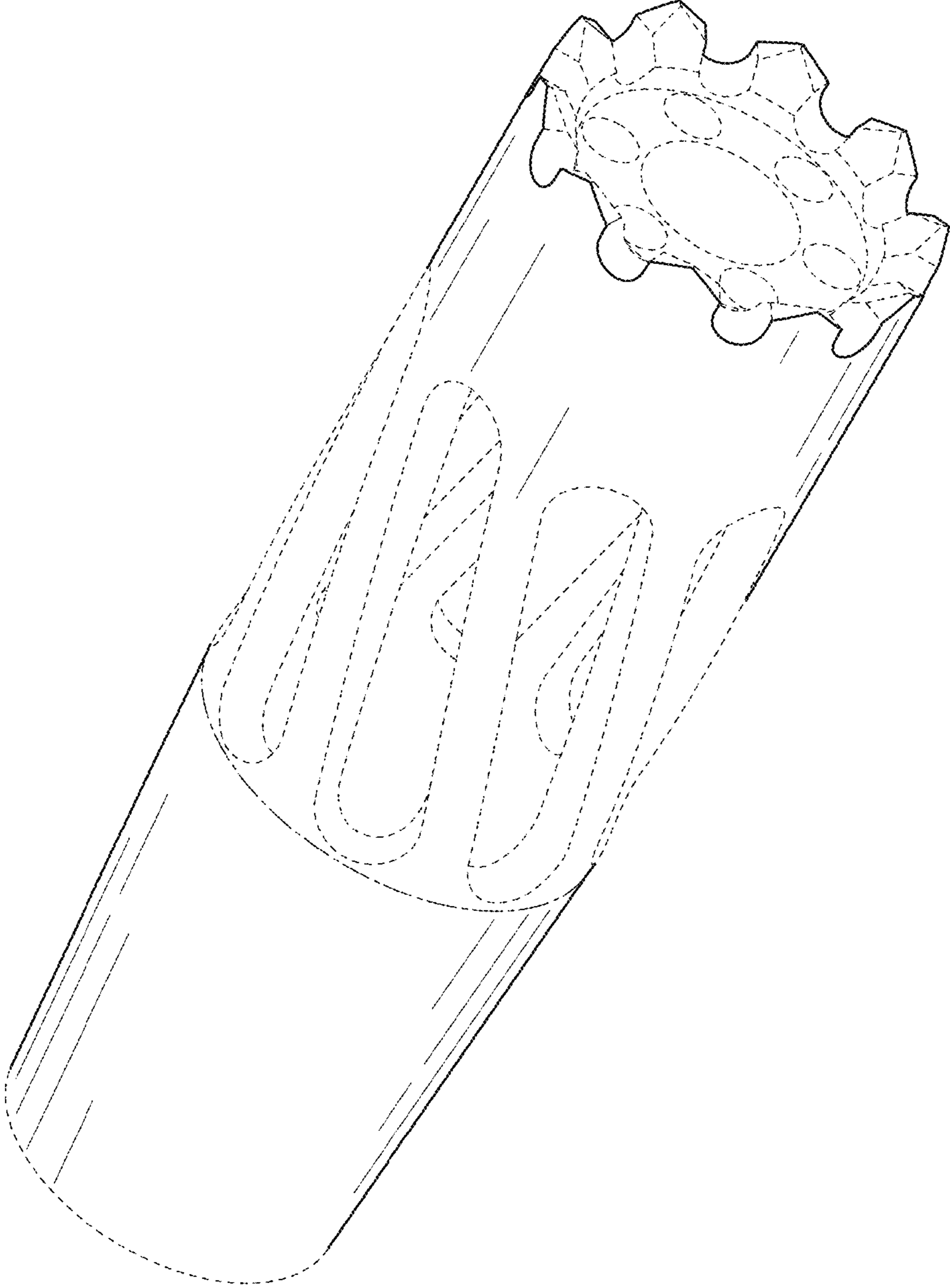


FIG. 1

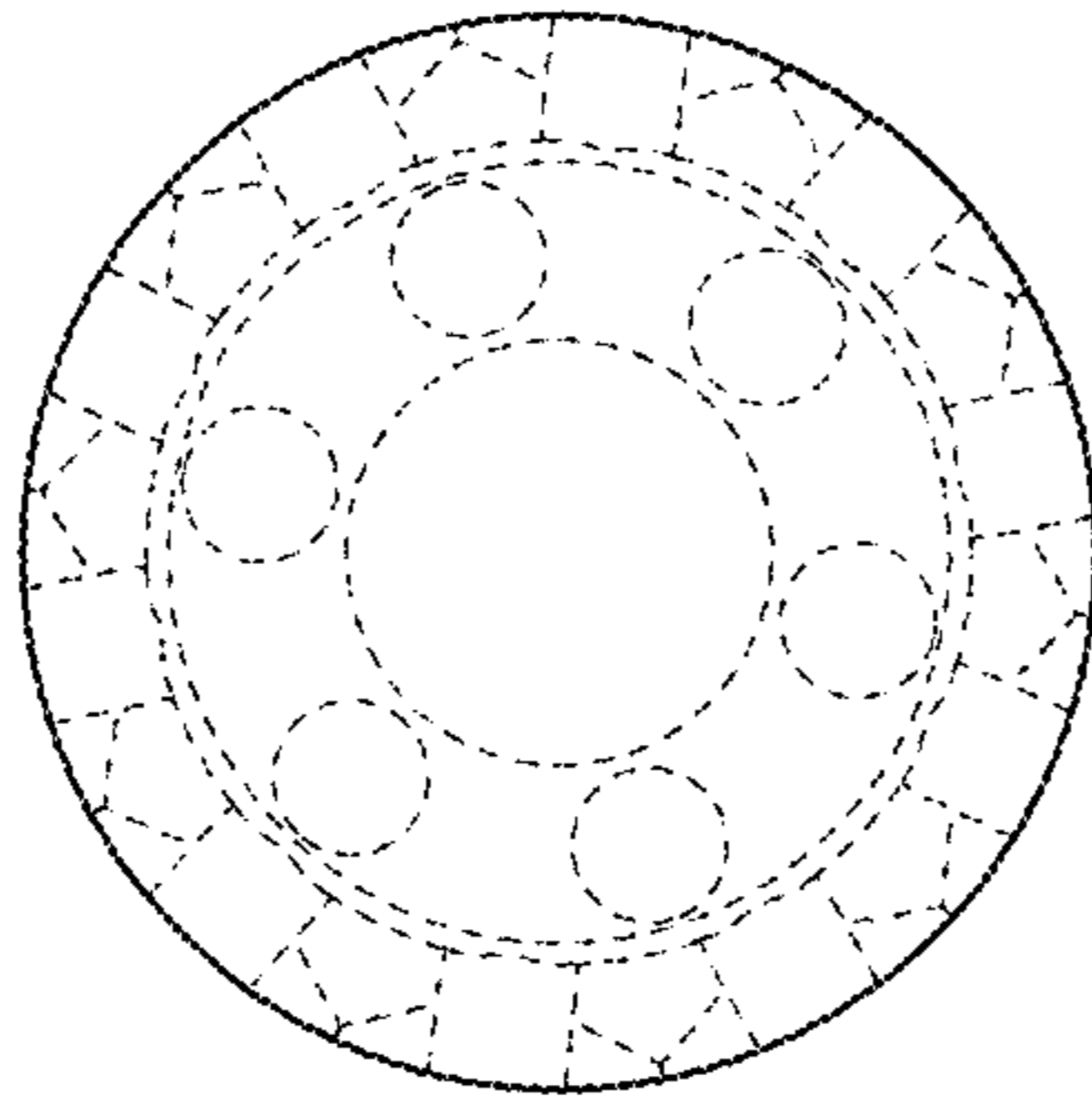


FIG. 2

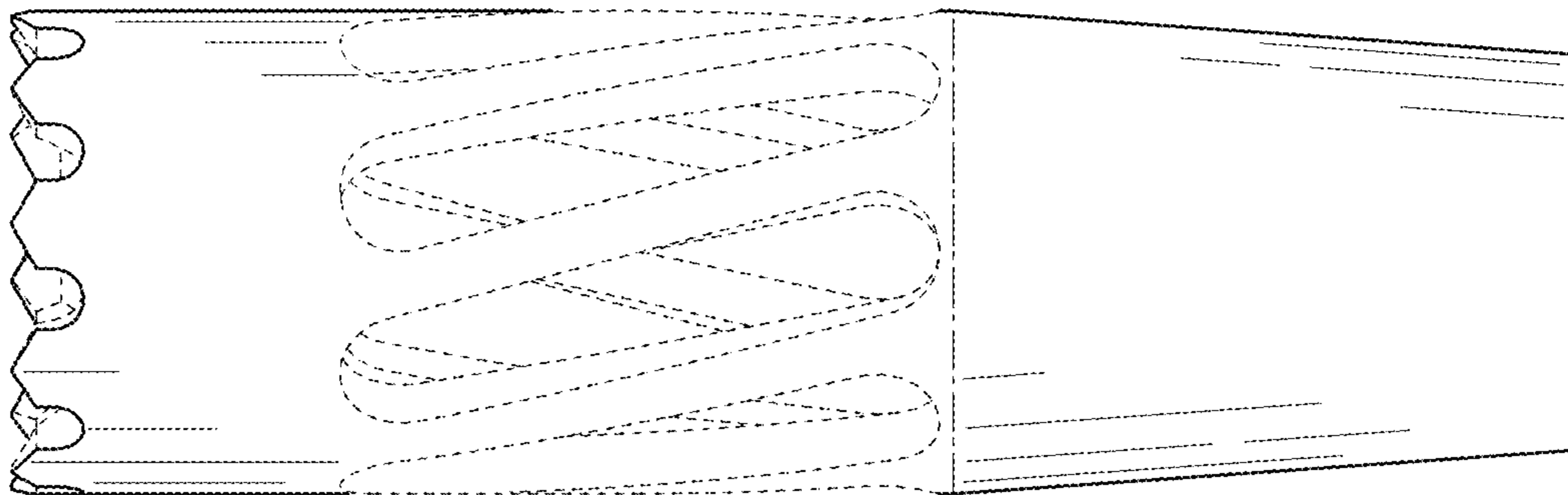


FIG. 3

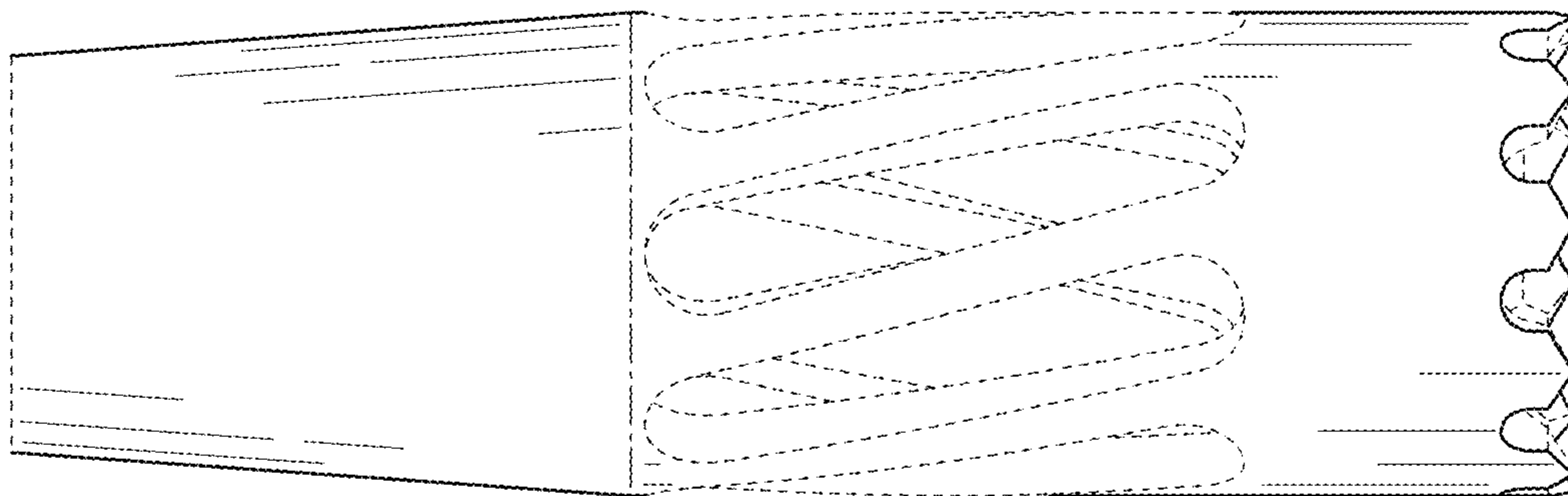


FIG. 4

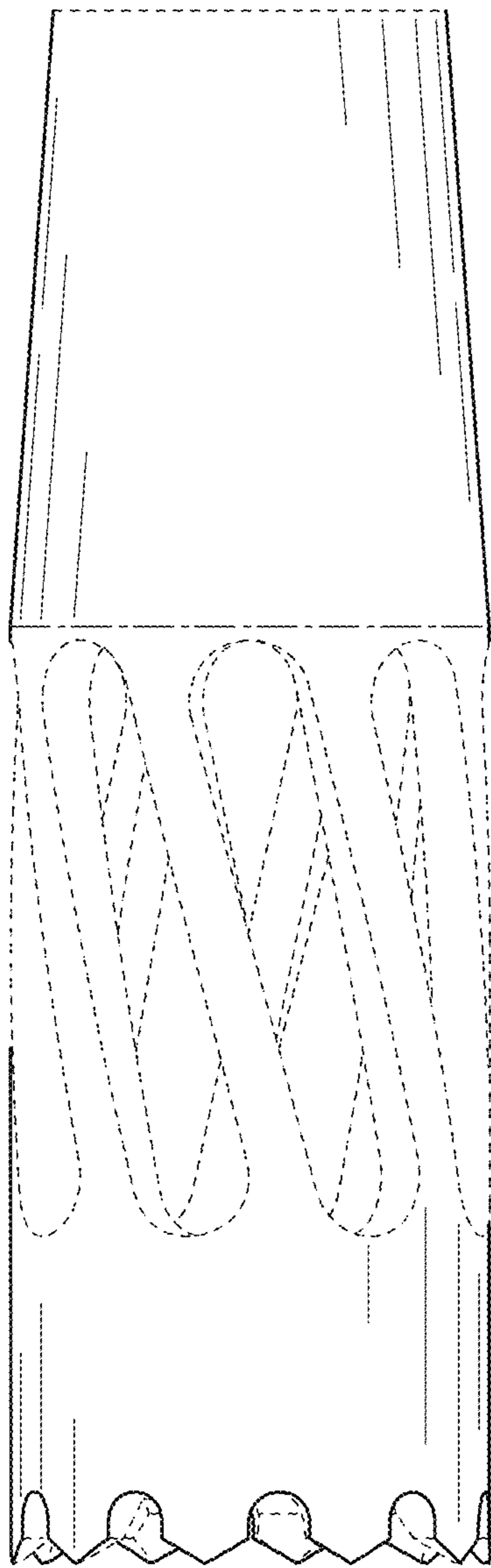


FIG. 5

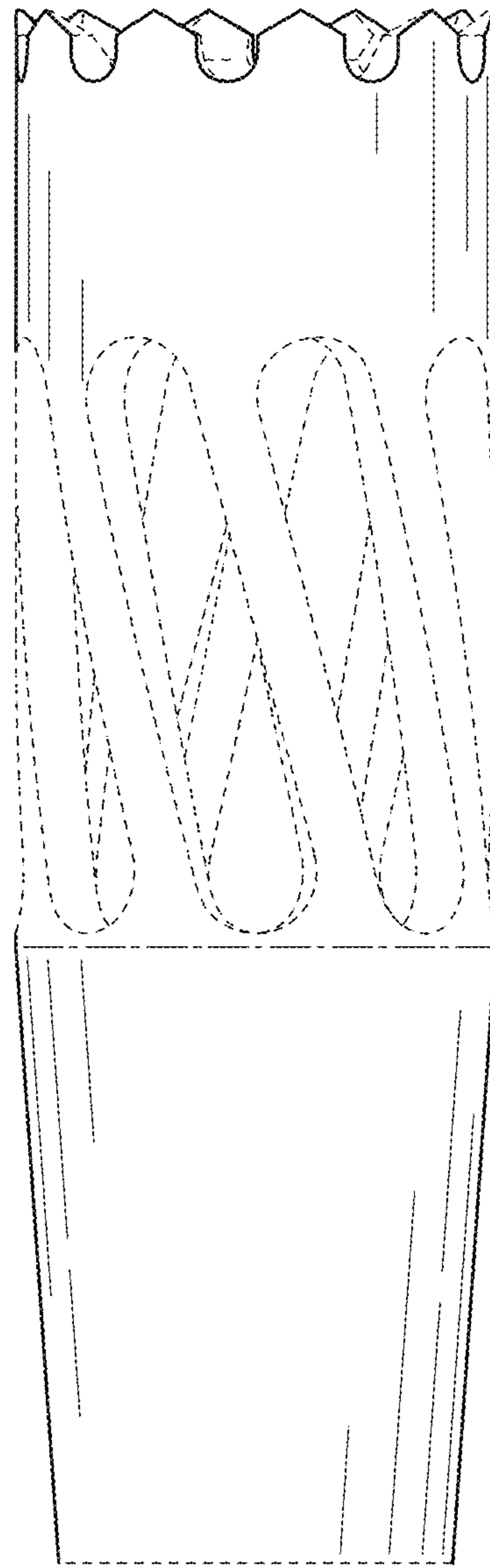


FIG. 6