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(12) **United States Design Patent**
Larson, Jr.

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(54) **MUZZLE BRAKE**

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(73) Assignee: **Rock River Arms, Inc.**, Colona, IL (US)

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

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(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; 42/8-12, 44, 63-64, 42/75.01-75.04, 76.01, 76.02-76.1; 433/159, 433/173
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

D279,812 S *	7/1985	Cellini	89/14.3
4,716,809 A *	1/1988	A'Costa	F41A 21/34 42/96
4,742,776 A *	5/1988	Scuto	F42B 12/34 102/439
D488,715 S *	4/2004	Plumer	D8/397
D605,724 S *	12/2009	Heath	D22/108
D647,588 S *	10/2011	Heath	D22/108
9,182,187 B1 *	11/2015	Griffith	F41A 21/32
D746,937 S *	1/2016	Larson, Jr.	D22/108
D747,429 S *	1/2016	Larson, Jr.	D22/108

9,261,319 B1 *	2/2016	Palu	F41A 21/34
2007/0094912 A1 *	5/2007	Bender	F41A 23/10 42/94
2008/0094063 A1 *	4/2008	Renz	G01R 33/34076 324/318
2011/0252952 A1 *	10/2011	McNeill	F41A 21/38 89/14.3
2012/0180352 A1 *	7/2012	Addis	F41A 21/32 42/1.06

(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)

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(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;

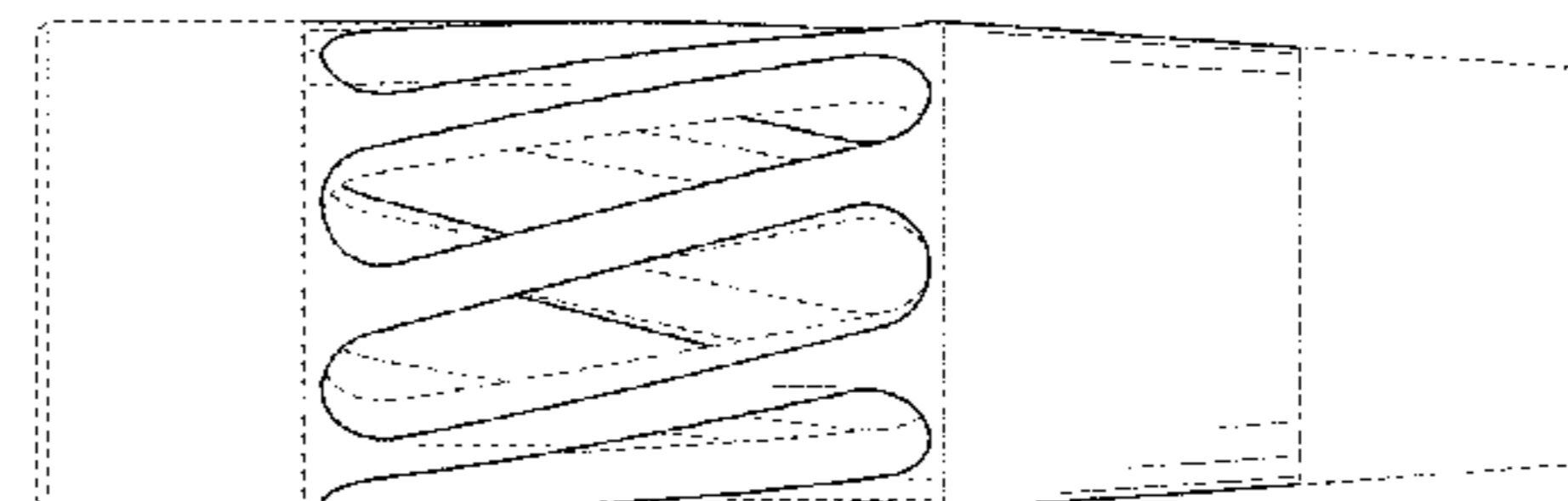
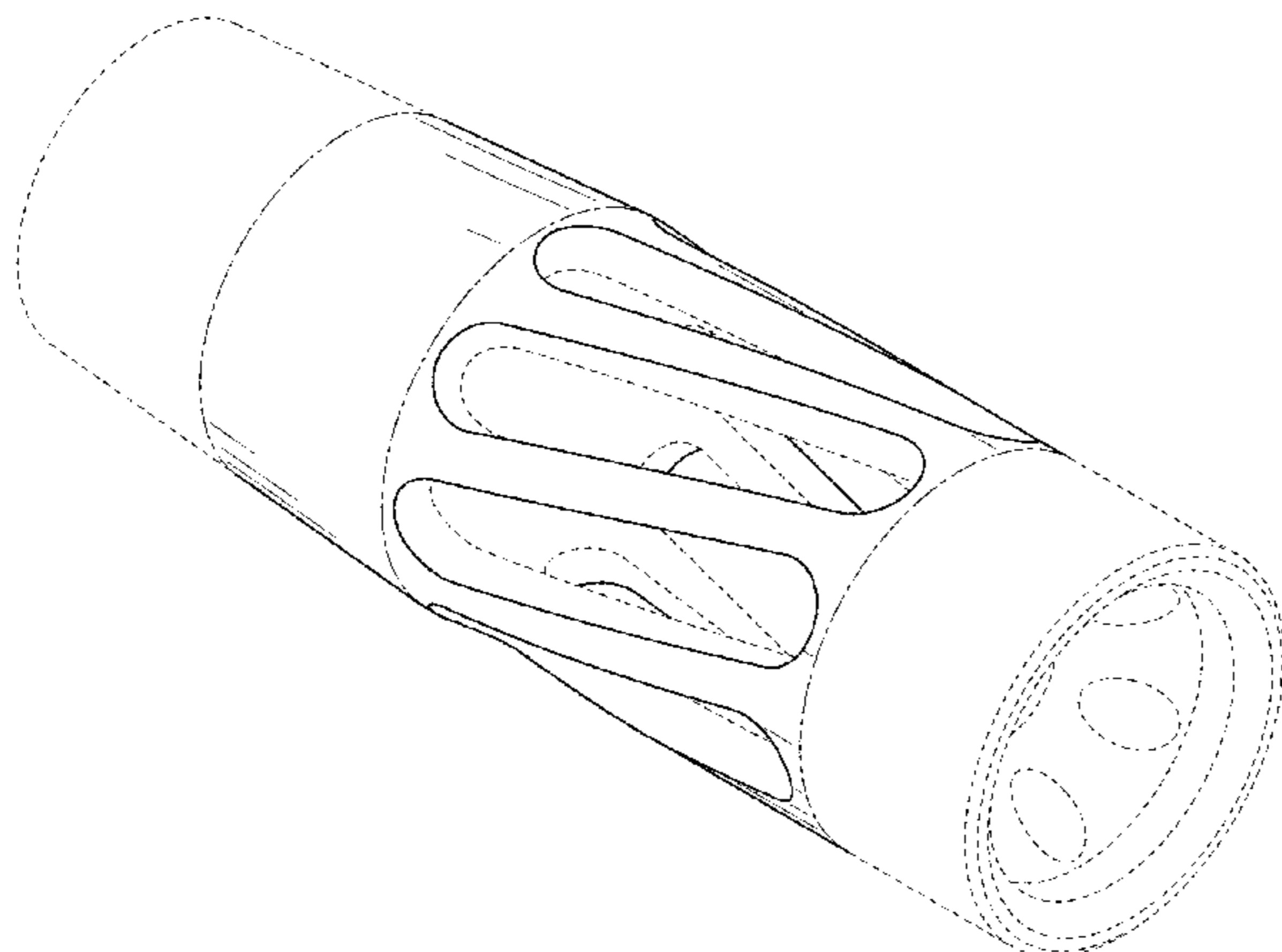
FIG. 4 is a left side view thereof;

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 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

2014/0237881 A1* 8/2014 Mack F41A 21/325
42/90
2015/0300796 A1* 10/2015 Geswender F42B 14/06
102/523
2015/0323275 A1* 11/2015 Lessard F41A 21/30
89/14.4
2015/0377577 A1* 12/2015 Pappas F41A 21/34
89/14.2
2016/0138898 A1* 5/2016 Schultz F42B 7/08
102/451
2016/0169606 A1* 6/2016 Joplin F41A 21/36
42/1.06

OTHER PUBLICATIONS

A2 Style Birdcage Black Steel Muzzle Brake 1/2x28 Threaded .223
5.56 223 556, Terapeak.com, [online], [site visited Oct. 3, 2016].
<URL: [http://www.terapeak.com/worth/a2-style-birdcage-black-](http://www.terapeak.com/worth/a2-style-birdcage-black-steel-muzzle-brake-1-2x28-threaded-223-5-56-223-556/281739556436/)

[steel-muzzle-brake-1-2x28-threaded-223-5-56-223-556/
281739556436/>.*](http://www.terapeak.com/worth/a2-style-birdcage-black-steel-muzzle-brake-1-2x28-threaded-223-5-56-223-556/281739556436/)

Radical Firearms SpitFire Muzzle Brake—1/2x28, PrimaryArms.com, [online], [site visited Oct. 3, 2016]. <URL: [http://www.primaryarms.com/rfsf-556/p/rfsf-556/>.*](http://www.primaryarms.com/rfsf-556/p/rfsf-556/)

Diamondhead USA T-Brake Muzzle Brake—5.56, PrimaryArms.com, [online], [site visited Oct. 3, 2016]. <URL: [http://www.primaryarms.com/3205/p/3205/>.*](http://www.primaryarms.com/3205/p/3205/)

Wilson Combat—AR-15 Muzzle Brake Q-Comp, Brownells, [online], [site visited]. <URL: <http://www.brownells.com/rifle-parts/muzzle-devices/compensators-amp-muzzle-brakes/ar-15-muzzle-brake-q-comp-prod88019.aspx>>.*

AR-Stoner Heli-Port Muzzle Brake 0.765"-20 Thread AR-15 50 Caliber, MidwayUSA, [online], [site visited Oct. 3, 2016]. <URL: <http://www.midwayusa.com/product/2228238134/ar-stoner-heli-port-muzzle-brake-0765-20-thread-ar-15-50-caliber>>.*

* cited by examiner

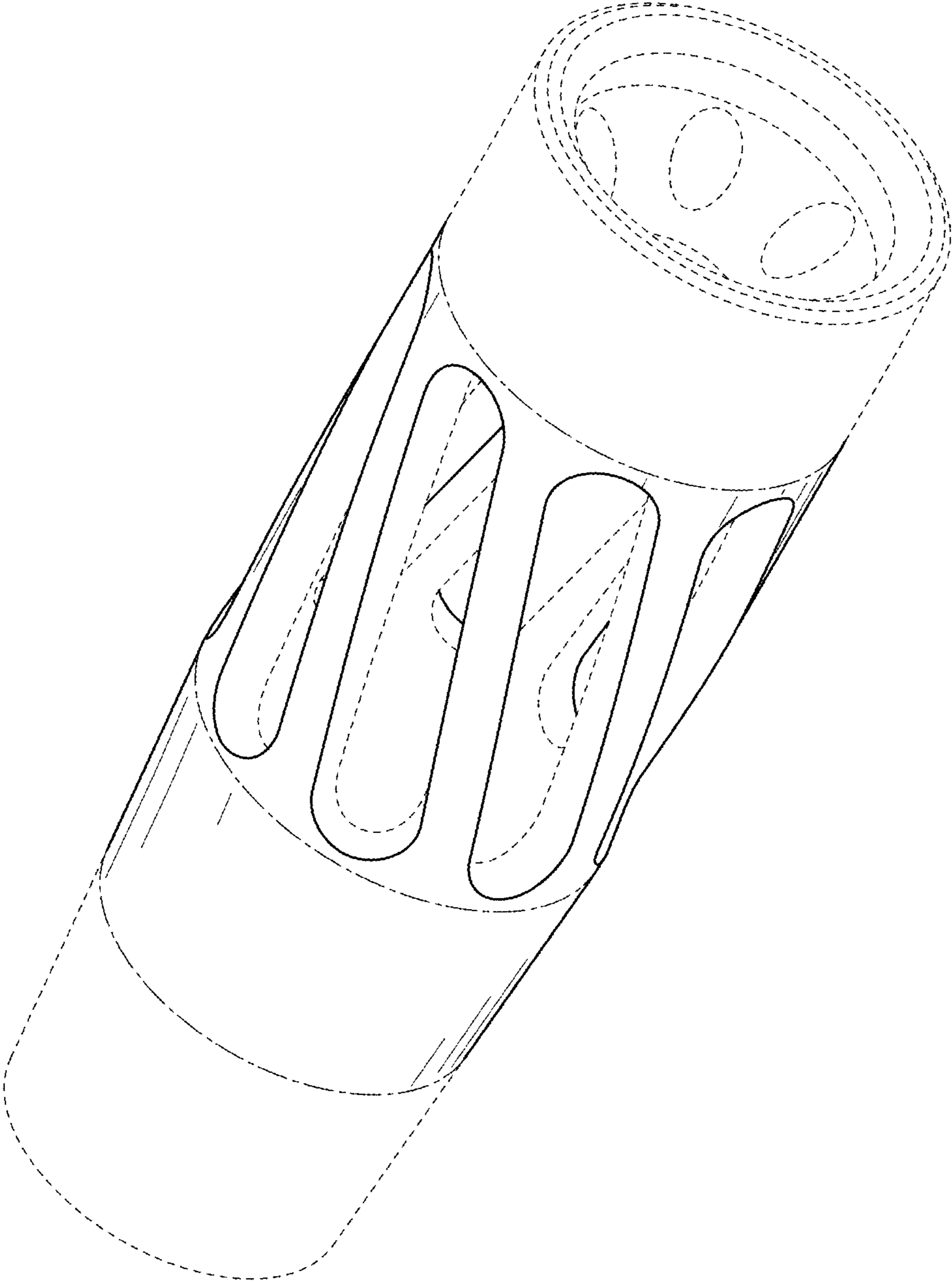


FIG. 1

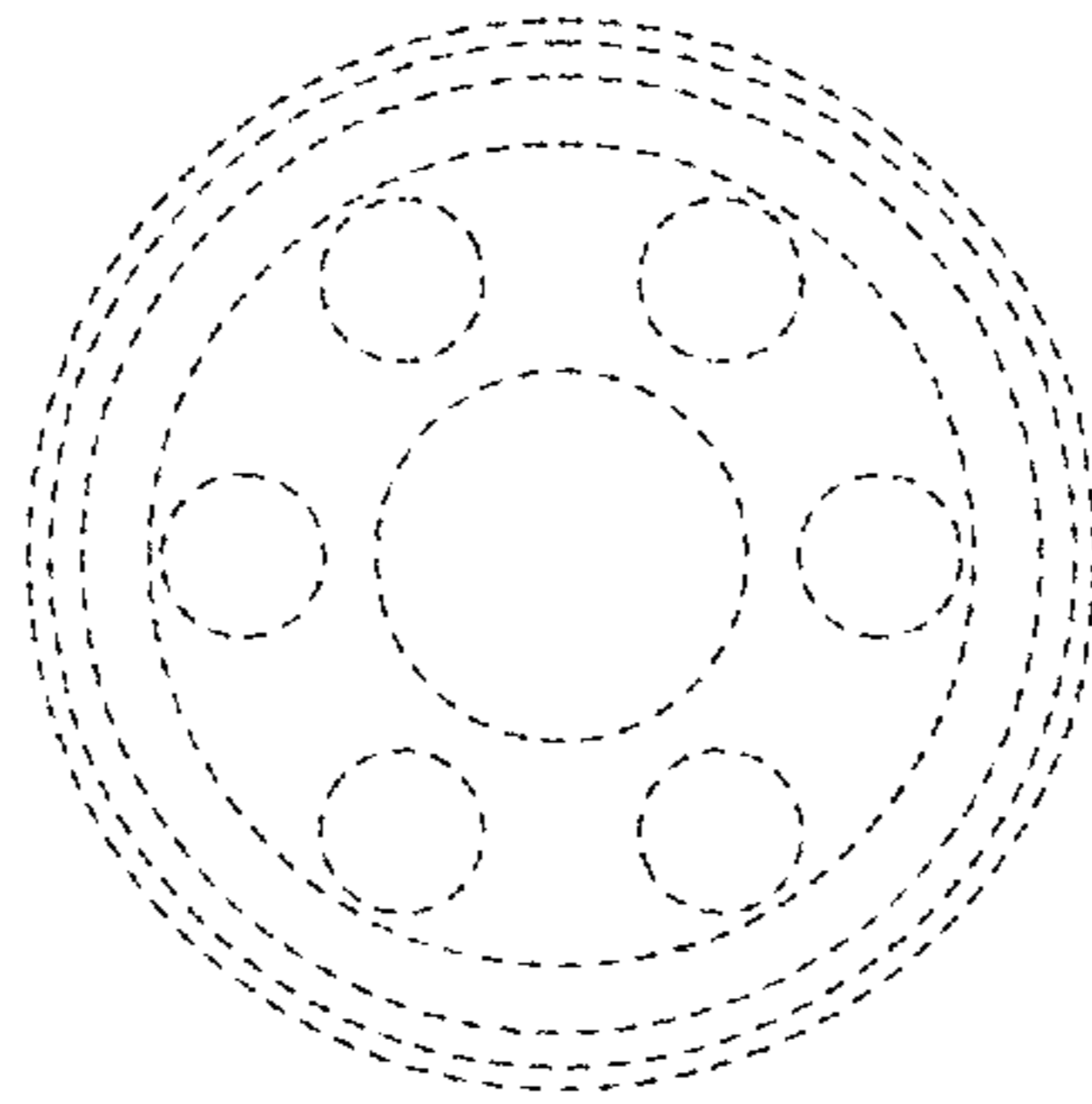


FIG. 2

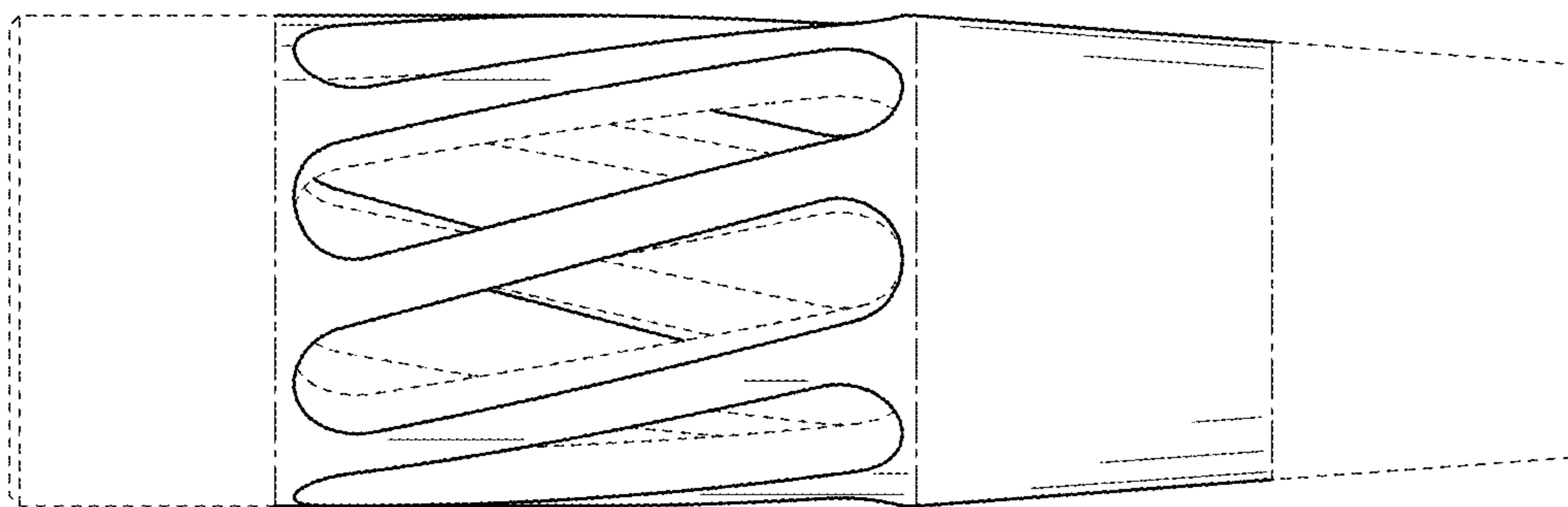


FIG. 3

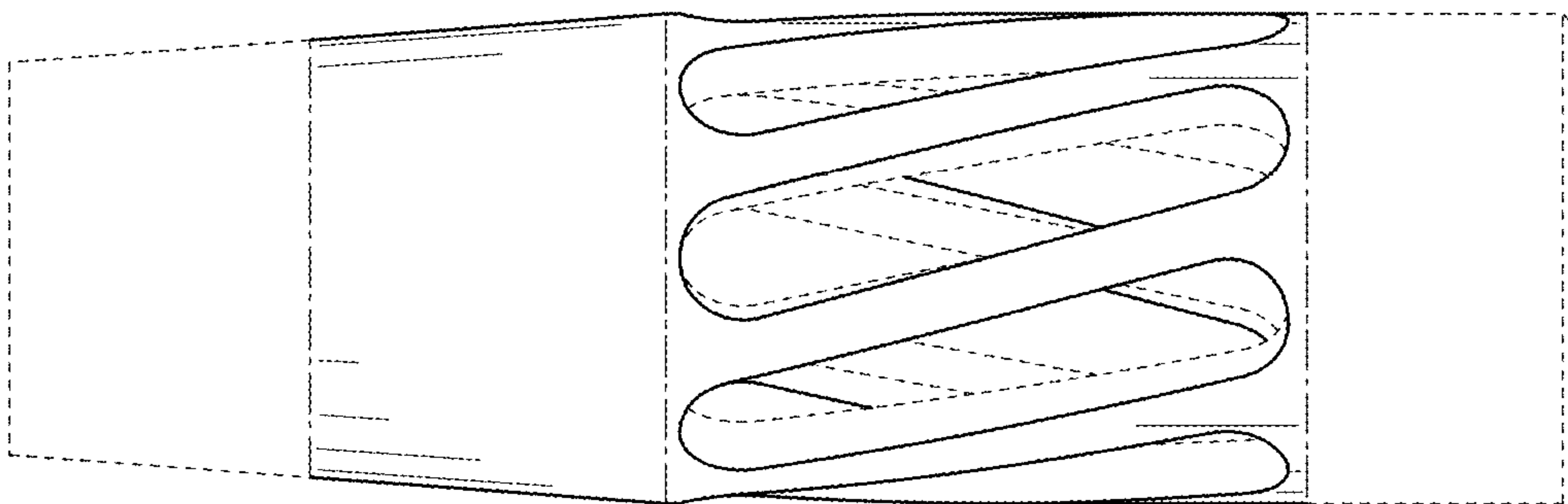


FIG. 4

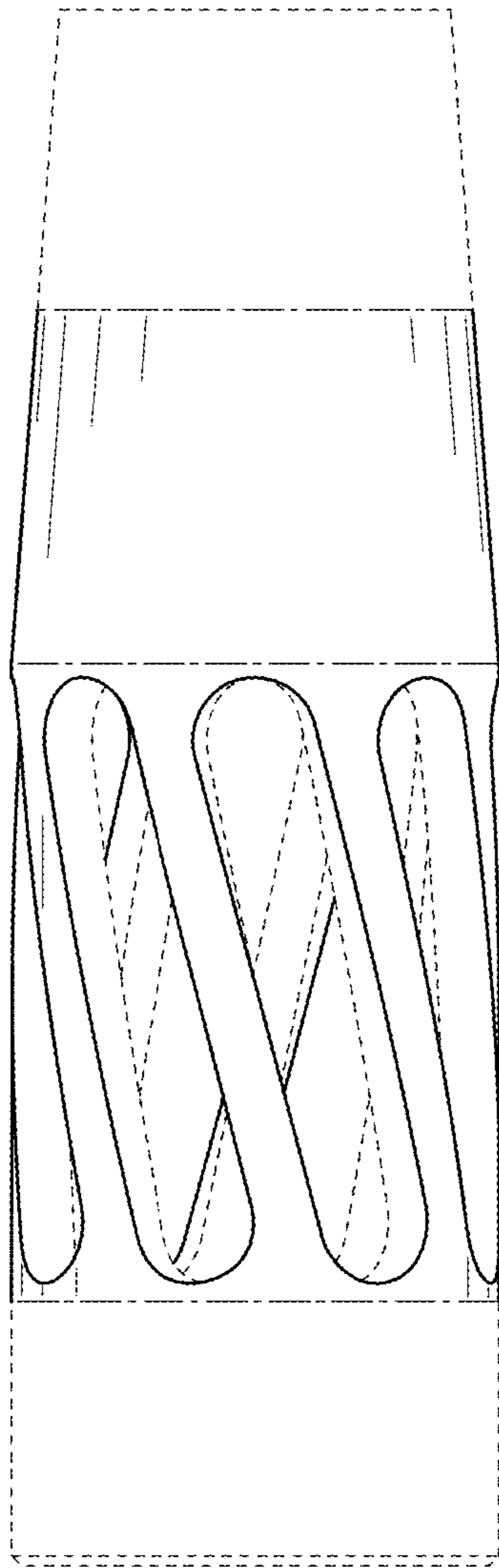


FIG. 5

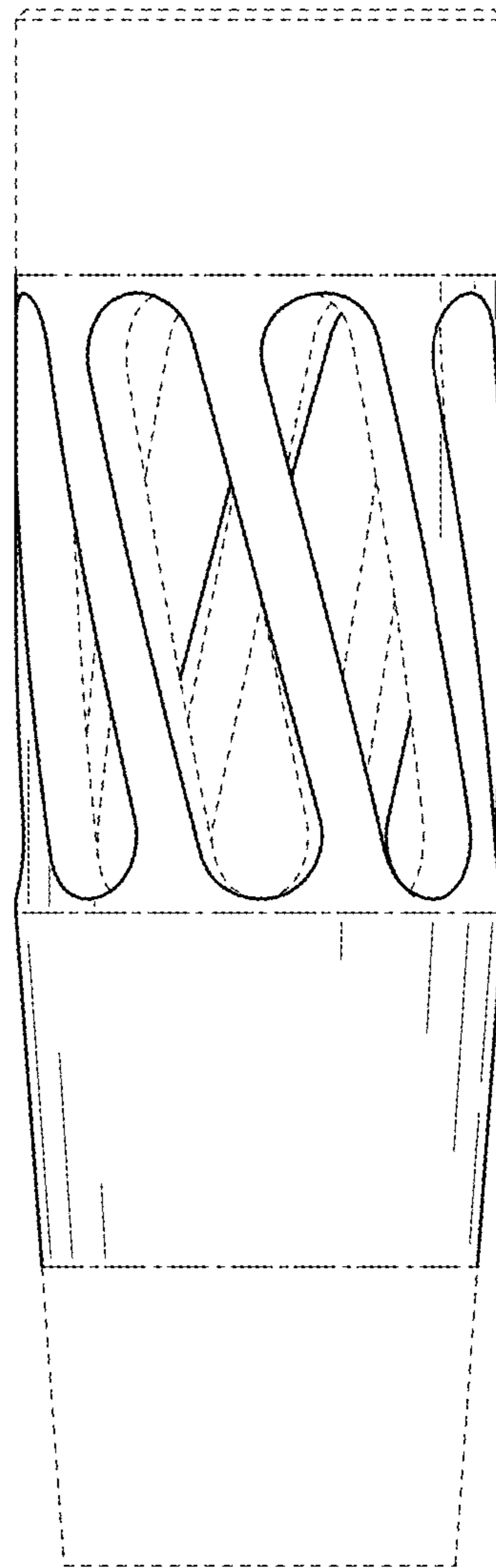


FIG. 6