



US00D696397S

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

(10) **Patent No.:** **US D696,397 S**

(45) **Date of Patent:** **** Dec. 24, 2013**

(54) **AUTOINJECTOR**

FOREIGN PATENT DOCUMENTS

(75) Inventors: **Mark Joseph Guarraia**, Cranston, RI (US); **Margaux Frances Boyaval**, Warwick, RI (US); **Ryan James Shafer**, Whitinsville, MA (US); **Louis Petit**, Grenoble (FR)

JP	D1332078	6/2008
JP	D1332080	6/2008
JP	D1409364	3/2011
JP	D1451050	9/2012

OTHER PUBLICATIONS

(73) Assignee: **Becton, Dickinson and Company**, Franklin Lakes, NJ (US)

U.S. Appl. No. 29/405,925, filed Nov. 8, 2011.
U.S. Appl. No. 29/405,930, filed Nov. 8, 2011.

(Continued)

(**) Term: **14 Years**

Primary Examiner — David Muller

(21) Appl. No.: **29/418,292**

(74) *Attorney, Agent, or Firm* — Roylance, Abrams, Berdo & Goodman, L.L.P.

(22) Filed: **Apr. 13, 2012**

(51) **LOC (9) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/113**

(58) **Field of Classification Search**
USPC D24/112–114, 133, 186, 104, 130, 127;
606/181, 185; 604/264, 272, 115, 232,
604/187, 158, 164.08, 192, 263, 163, 181,
604/184, 198, 227

See application file for complete search history.

(57) **CLAIM**

The ornamental design for an autoinjector, as shown and described.

DESCRIPTION

(56) **References Cited**

U.S. PATENT DOCUMENTS

D420,739 S *	2/2000	Moreau-Defarges	.....	D24/112
D428,650 S *	7/2000	Bellhouse et al.	.....	D24/112
D429,526 S *	8/2000	Sullivan et al.	.....	D24/133
D435,102 S *	12/2000	Chakoff et al.	.....	D24/113
6,248,095 B1	6/2001	Giambattista et al.		
D446,578 S	8/2001	Jansen et al.		
D447,559 S	9/2001	Jansen et al.		
D448,474 S	9/2001	Jansen et al.		
D448,475 S	9/2001	Jansen et al.		
D463,546 S	9/2002	Jansen et al.		
D467,334 S *	12/2002	Homma	.....	D24/114
D479,599 S	9/2003	Bainton		
D479,600 S	9/2003	Bainton		
D479,601 S	9/2003	Tyce		
D479,602 S	9/2003	Bainton		

(Continued)

FIG. 1 is a perspective view of an embodiment of an autoinjector showing our new design, with a cap shown in a secured position;

FIG. 2 is a front elevational view of the autoinjector shown in FIG. 1;

FIG. 3 is a top view of the autoinjector shown in FIG. 1;

FIG. 4 is a left side elevational view of the autoinjector shown in FIG. 1;

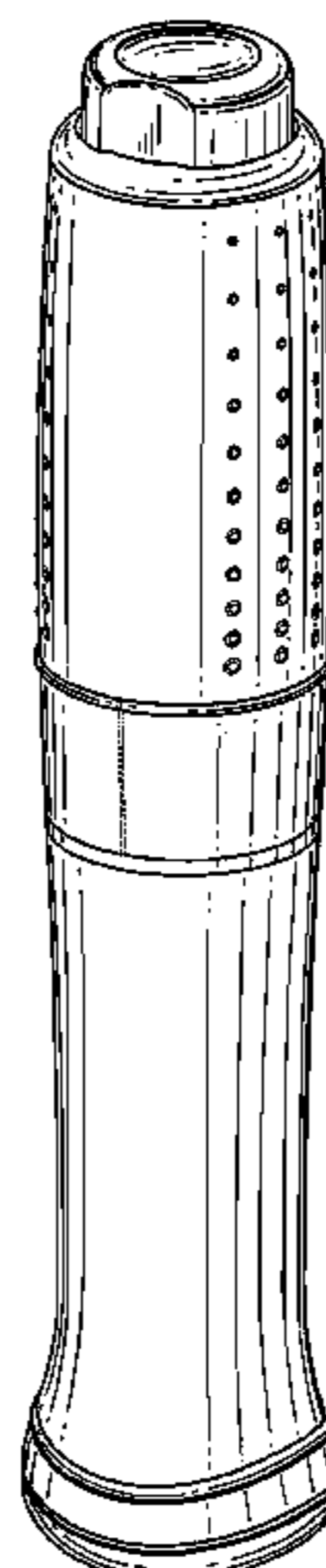
FIG. 5 is a right side elevational view of the autoinjector shown in FIG. 1;

FIG. 6 is a bottom view of the autoinjector shown in FIG. 1; and,

FIG. 7 is a rear elevational view of the autoinjector shown in FIG. 1.

The features shown in broken depict environmental subject matter only and form no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D479,603 S 9/2003 Tyce
 D479,747 S 9/2003 Bainton
 D479,748 S 9/2003 Tyce
 D481,120 S * 10/2003 Hawley et al. D24/114
 D492,027 S 6/2004 Tyce et al.
 D492,405 S 6/2004 Bainton
 D495,076 S * 8/2004 Mandel D26/37
 D499,485 S 12/2004 Tyce
 D501,253 S 1/2005 Bainton
 D503,797 S 4/2005 Tyce
 D505,490 S 5/2005 Tyce
 6,932,794 B2 8/2005 Giambattista et al.
 D531,308 S 10/2006 Bendek et al.
 7,169,132 B2 1/2007 Bendek et al.
 D540,465 S 4/2007 Bainton
 D545,364 S * 6/2007 Ternovits D19/43
 D548,336 S 8/2007 Galbraith
 D548,835 S 8/2007 Galbraith
 D550,363 S * 9/2007 Hannant et al. D24/186
 D551,341 S 9/2007 Galbraith
 D555,609 S 11/2007 Galbraith
 D567,938 S * 4/2008 Shinohara D24/114
 D567,939 S * 4/2008 Mattigka D24/114
 D568,988 S 5/2008 Galbraith
 D573,253 S * 7/2008 Gonzales et al. D24/113
 D585,997 S * 2/2009 Adam et al. D24/133
 D598,539 S 8/2009 Tyce
 D599,008 S 8/2009 Tyce
 D599,009 S 8/2009 Tyce
 D599,010 S 8/2009 Tyce
 D599,011 S 8/2009 Tyce
 D600,794 S 9/2009 Tyce
 D600,795 S 9/2009 Tyce
 D606,649 S 12/2009 Tyce
 D606,650 S 12/2009 Tyce
 D607,558 S 1/2010 Abry et al.

D608,442 S 1/2010 Tyce
 D610,251 S 2/2010 Tyce
 D610,252 S 2/2010 Tyce
 D610,676 S 2/2010 Tyce
 D610,677 S 2/2010 Tyce
 D618,789 S 6/2010 Sanders et al.
 D619,702 S 7/2010 Galbraith
 D621,500 S 8/2010 Sanders et al.
 D626,216 S 10/2010 Tyce
 D628,690 S 12/2010 Galbraith
 D629,510 S 12/2010 Grunhut
 D641,077 S 7/2011 Sanders et al.
 7,976,514 B2 7/2011 Abry et al.
 D651,305 S 12/2011 Hawley et al.
 D652,136 S 1/2012 Hawley et al.
 D670,375 S 11/2012 Corbin
 D670,376 S 11/2012 Corbin
 8,313,470 B2 11/2012 Abry

OTHER PUBLICATIONS

U.S. Appl. No. 29/405,935, filed Nov. 8, 2011.
 U.S. Appl. No. 29/405,936, filed Nov. 8, 2011.
 U.S. Appl. No. 29/405,938, filed Nov. 8, 2011.
 U.S. Appl. No. 29/405,940, filed Nov. 8, 2011.
 U.S. Appl. No. 29/405,943, filed Nov. 8, 2011.
 U.S. Appl. No. 29/405,945, filed Nov. 8, 2011.
 U.S. Appl. No. 29/405,947, filed Nov. 8, 2011.
 U.S. Appl. No. 29/408,769, filed Dec. 16, 2011.
 U.S. Appl. No. 29/408,772, filed Dec. 16, 2011.
 French, Donna, "Market Trends In Injection Devices For Pharmaceuticals", Touch Briefings, 2007, pp. 20-25.
 "BD™ Reusable Pen II, Creating New Opportunities For Your Product And Patient", 2002, pp. 1-2.
 "BD™ Disposable Pen II, Creating New Opportunities For Your Product And Patient", 2002, pp. 1-2.

* cited by examiner

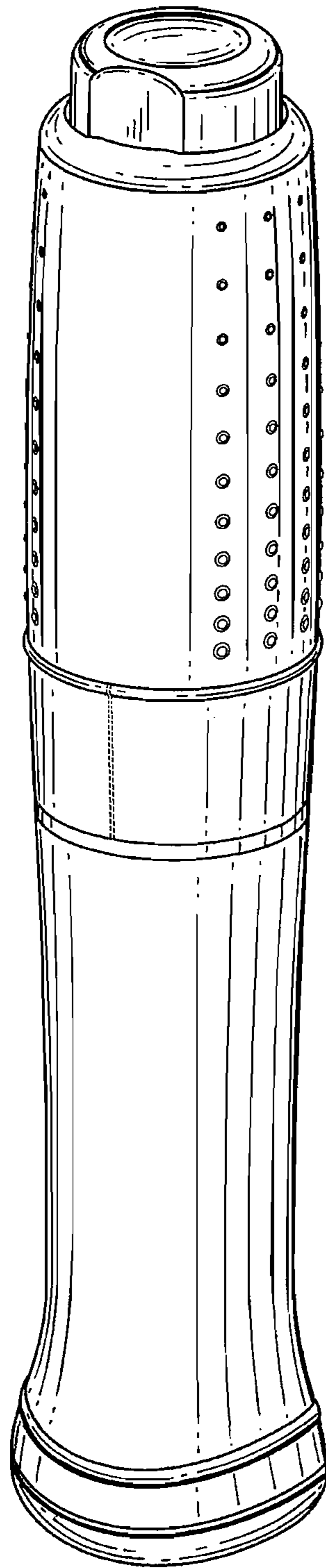


FIG. 1

FIG.3

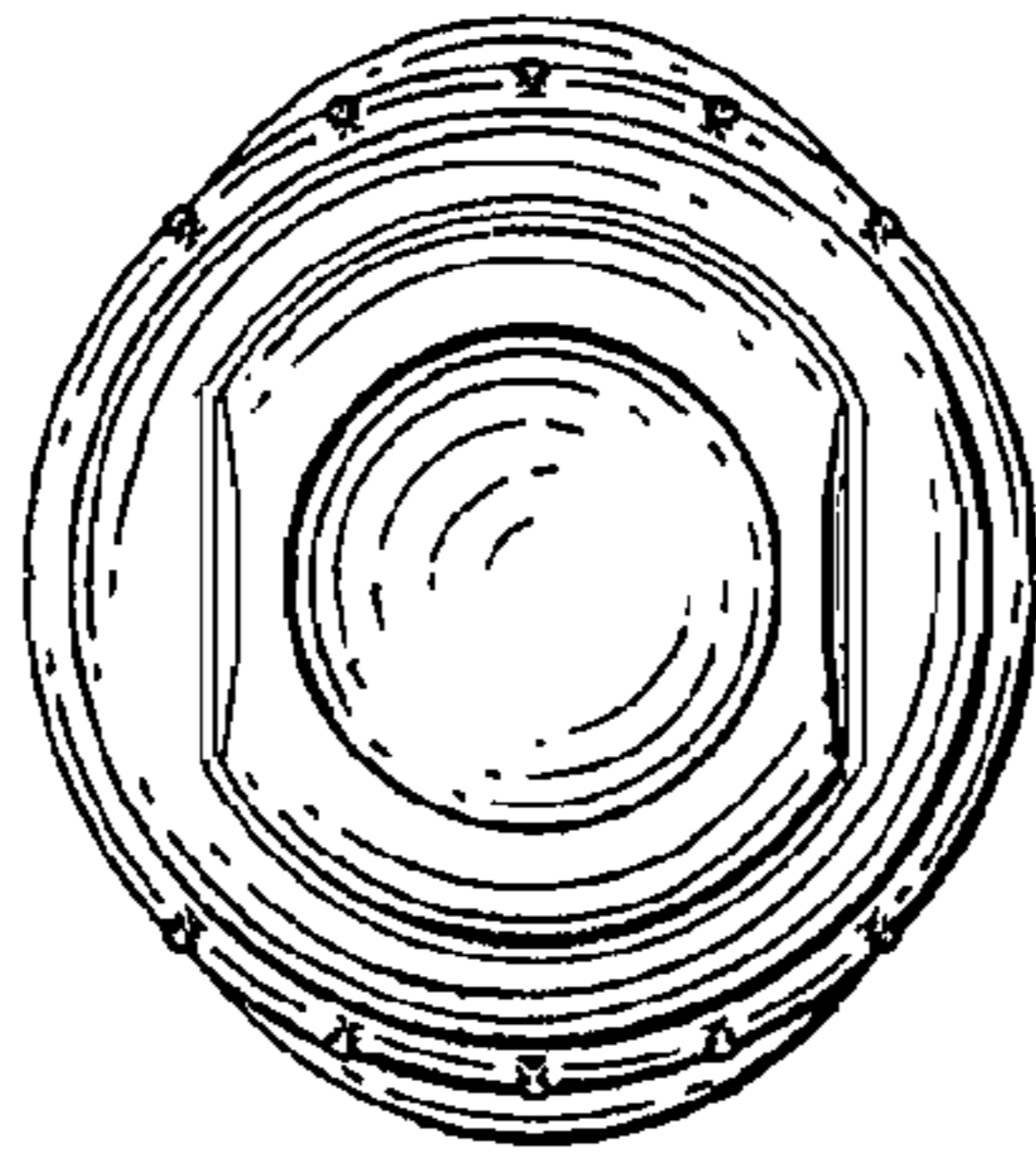
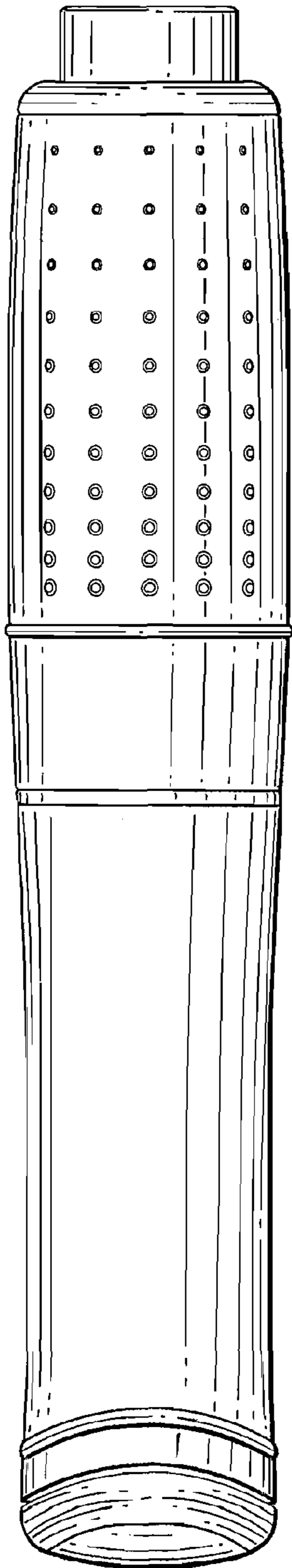


FIG.2

FIG.4

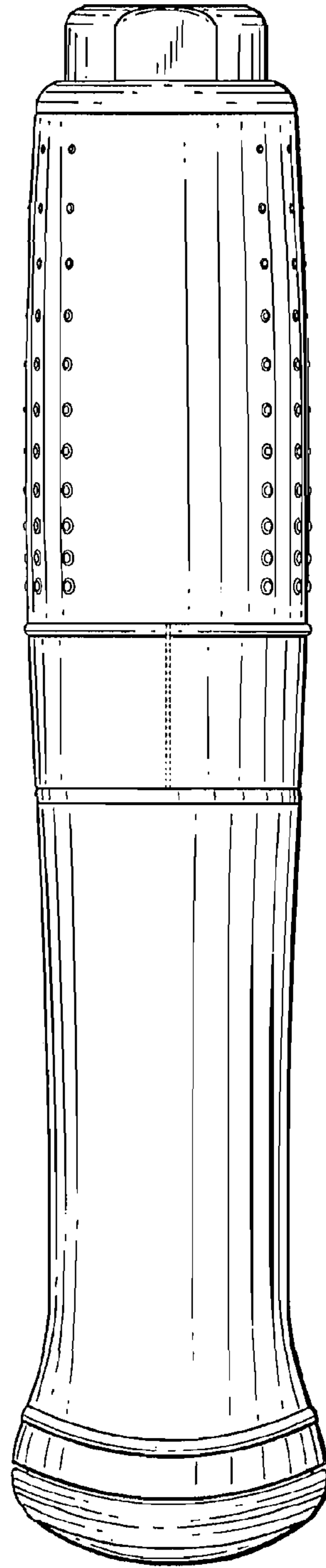


FIG.5

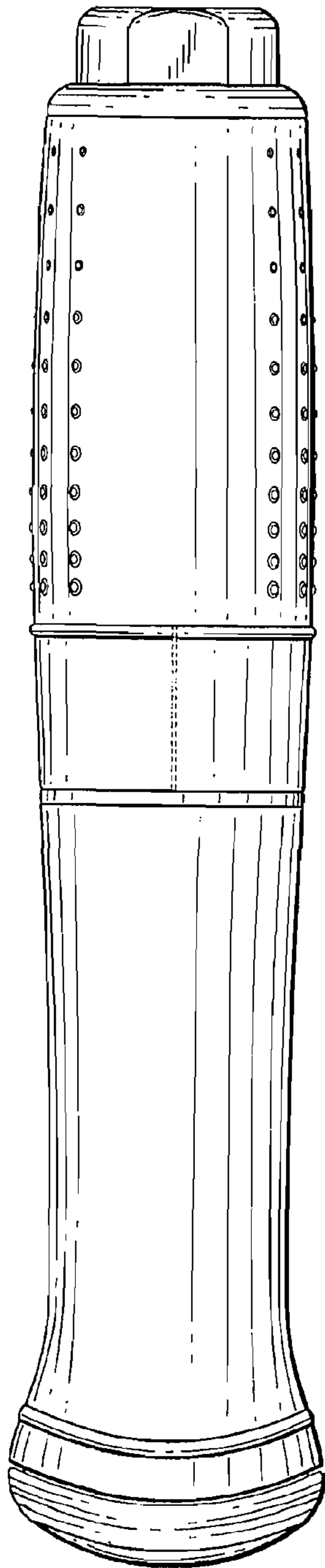


FIG.6

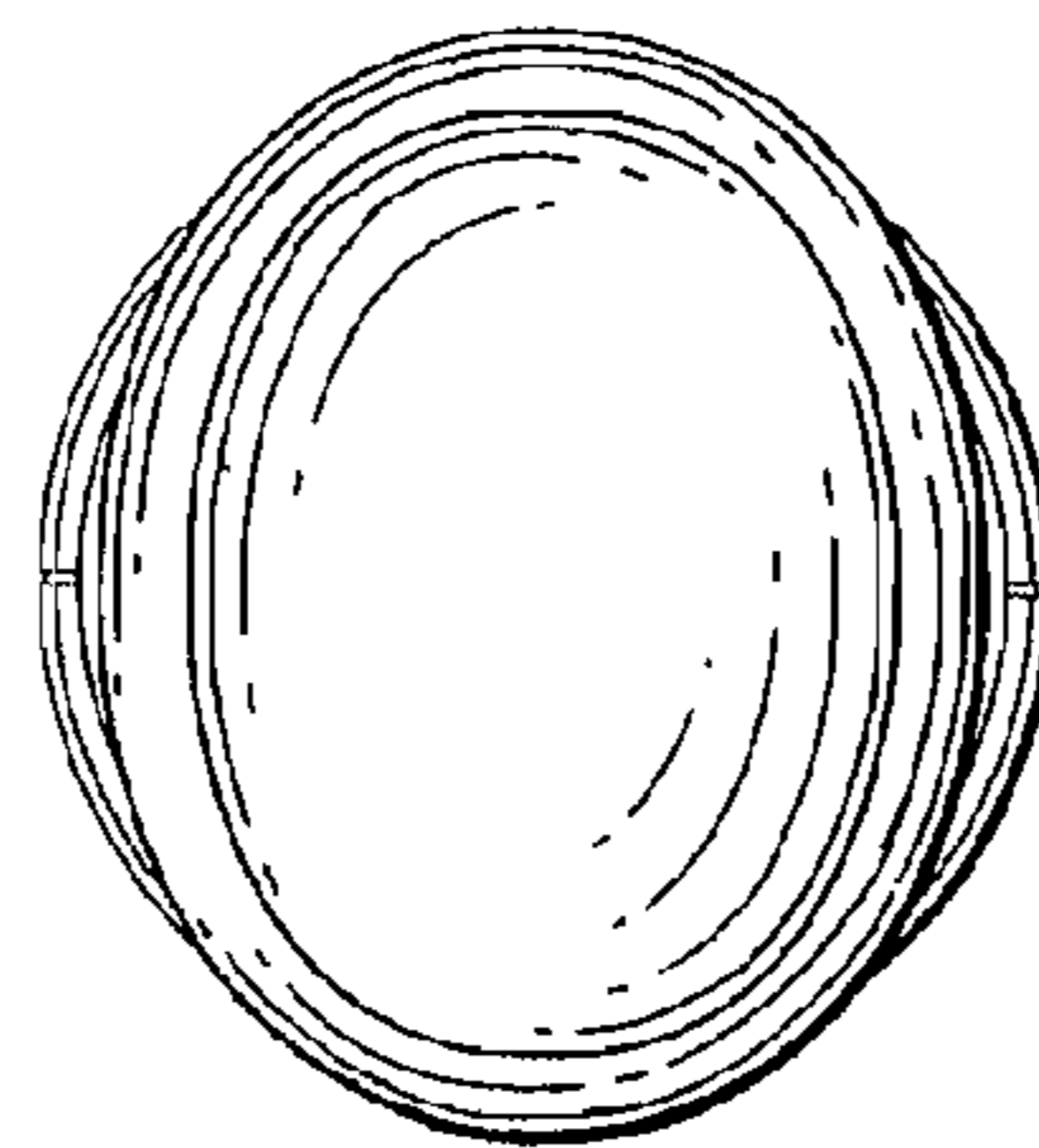
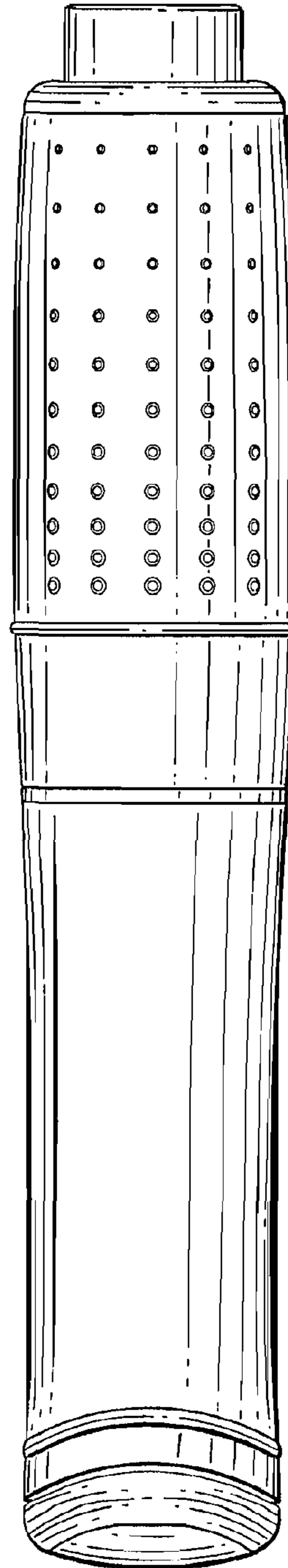


FIG.7