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

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(54) **AUTOINJECTOR**

FOREIGN PATENT DOCUMENTS

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

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OTHER PUBLICATIONS

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

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

Primary Examiner — David Muller

(21) Appl. No.: **29/418,261**

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(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.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D319,711 S * 9/1991 Fujisawa D28/50
5,292,318 A * 3/1994 Haber et al. 604/407
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.
D479,599 S 9/2003 Bainton
D479,600 S 9/2003 Bainton
D479,601 S 9/2003 Tyce
D479,602 S 9/2003 Bainton
D479,603 S 9/2003 Tyce

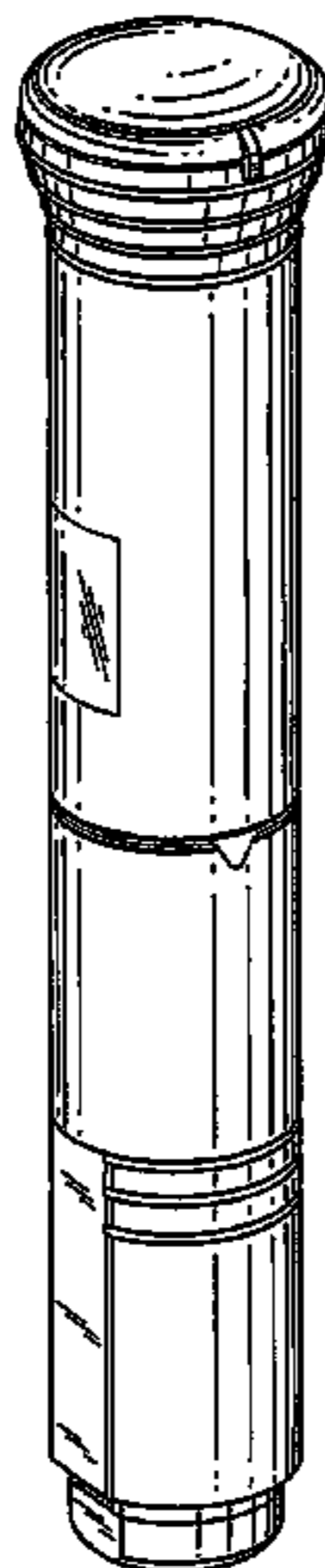
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DESCRIPTION

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 left side elevational view of the autoinjector shown in FIG. 1;
FIG. 4 is a top view of the autoinjector shown in FIG. 1;
FIG. 5 is a bottom view of the autoinjector shown in FIG. 1;
FIG. 6 is a right side elevational view of the autoinjector shown in FIG. 1; and,
FIG. 7 is a rear elevational view of the autoinjector shown in FIG. 1.

The broken line showing of parts of the drawings is included for the purpose of illustrating use and environment and forms no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D479,747 S 9/2003 Bainton
 D479,748 S 9/2003 Tyce
 D484,977 S * 1/2004 Ryan et al. D24/133
 D488,864 S * 4/2004 Fago et al. D24/130
 D492,027 S 6/2004 Tyce et al.
 D492,405 S 6/2004 Bainton
 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.
 D519,633 S * 4/2006 Weekes et al. D24/112
 D531,308 S 10/2006 Bendek et al.
 7,169,132 B2 1/2007 Bendek et al.
 D540,465 S 4/2007 Bainton
 D548,336 S 8/2007 Galbraith
 D548,835 S 8/2007 Galbraith
 D551,341 S 9/2007 Galbraith
 D555,609 S 11/2007 Galbraith
 D568,988 S 5/2008 Galbraith
 D577,814 S * 9/2008 Seki 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

D613,861 S * 4/2010 Hunter et al. D24/130
 D617,457 S * 6/2010 Baker D24/133
 D618,789 S 6/2010 Sanders et al.
 D619,702 S 7/2010 Galbraith
 D619,707 S * 7/2010 East D24/133
 D621,500 S 8/2010 Sanders et al.
 D621,949 S * 8/2010 Seki et al. D24/133
 D623,732 S * 9/2010 Brady et al. D24/113
 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.
 D641,469 S * 7/2011 Ruiz et al. D24/133
 7,976,514 B2 7/2011 Abry et al.
 D648,024 S * 11/2011 Harkin et al. D24/146
 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

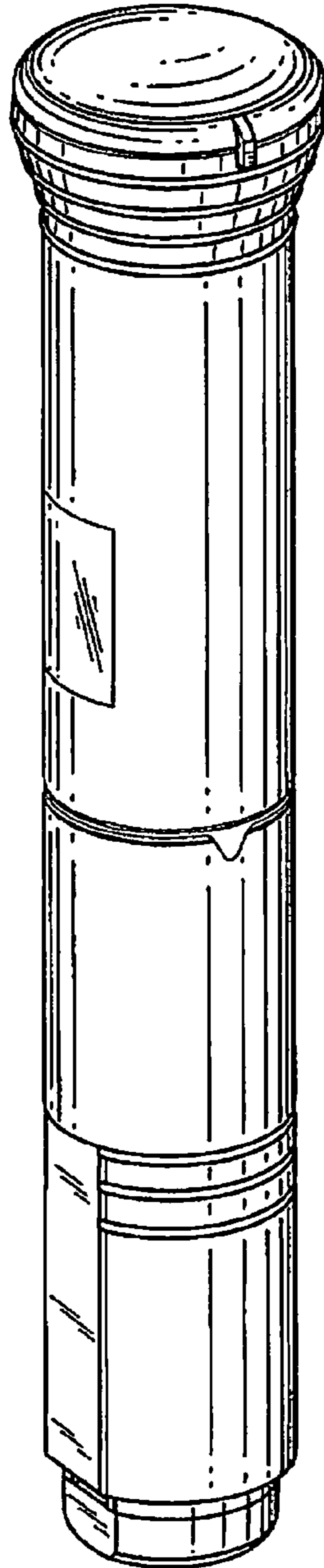


FIG. 1

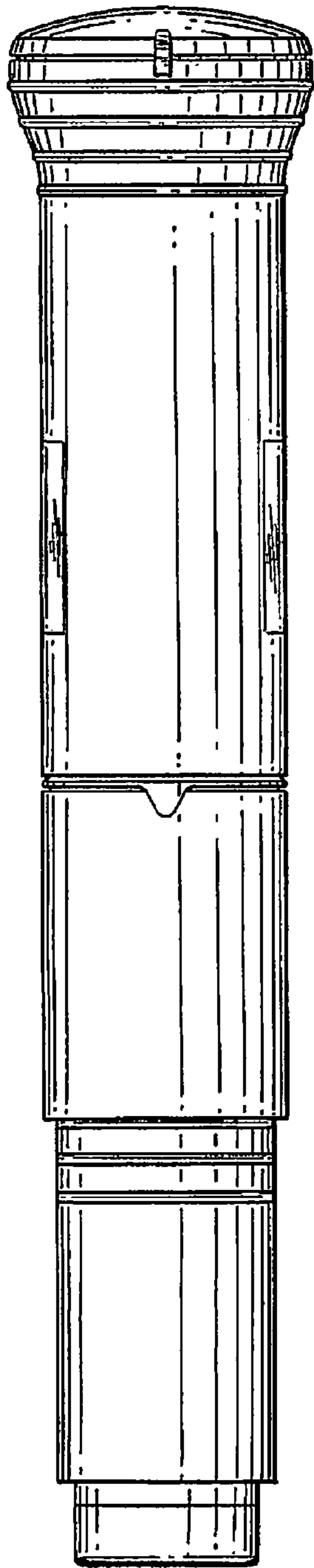


FIG.3

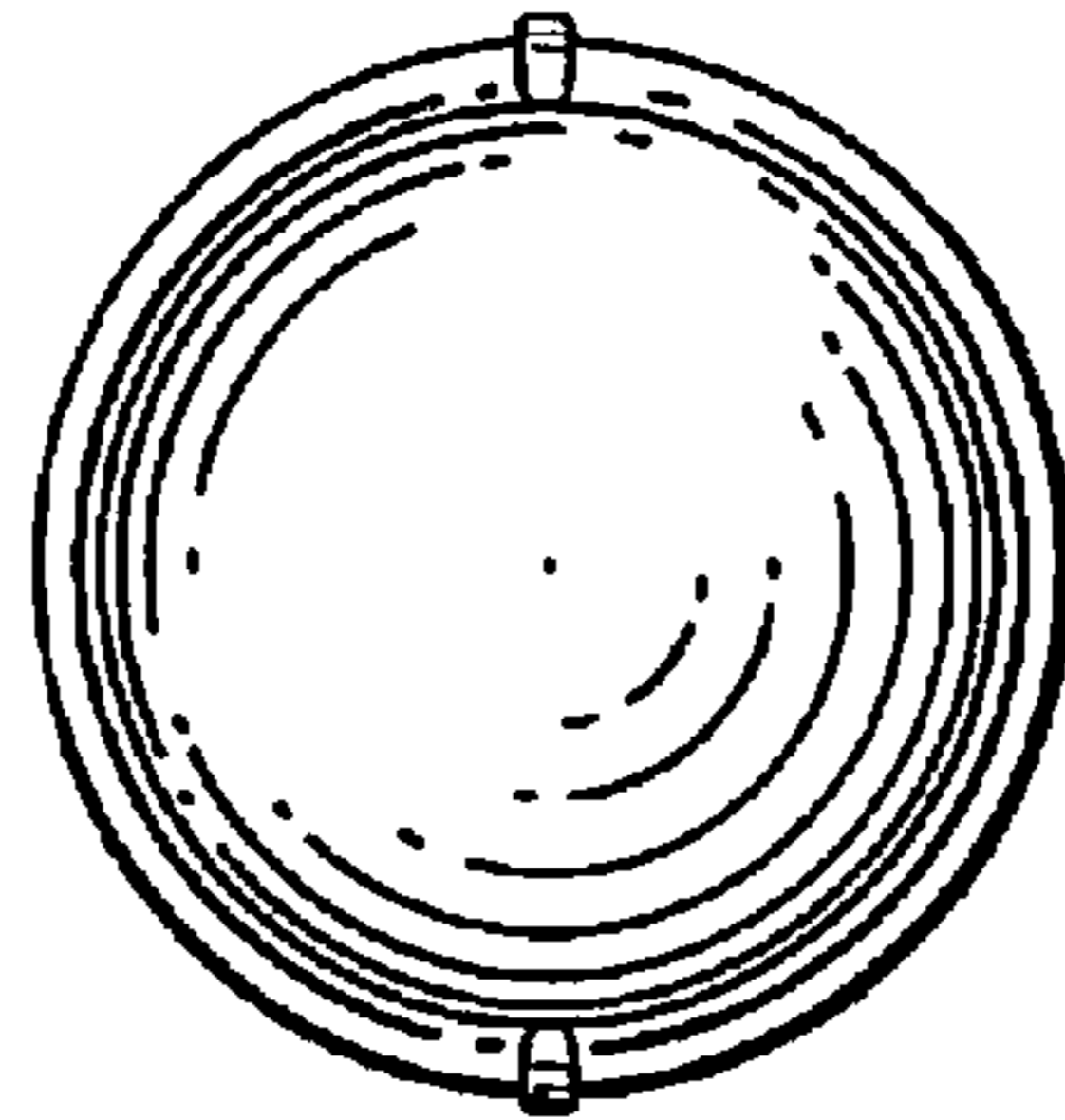


FIG.2

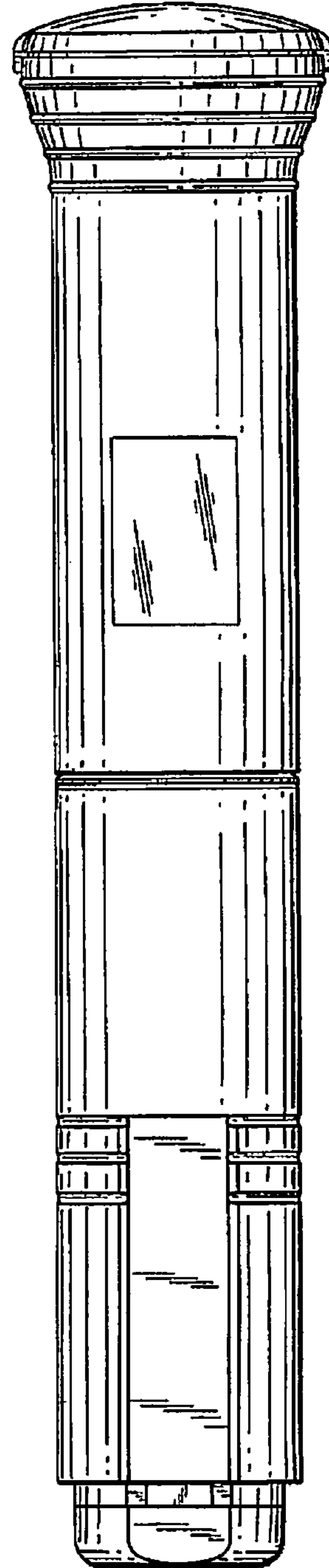


FIG.4

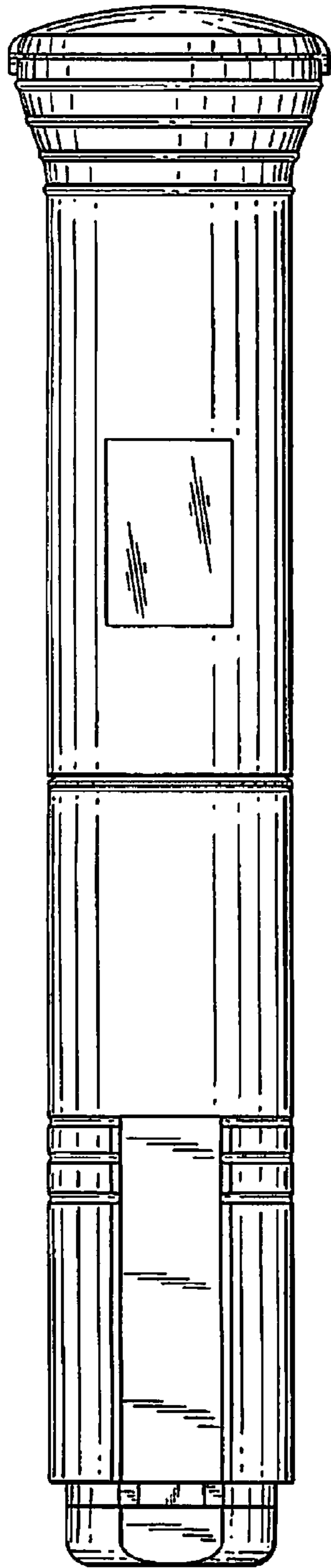


FIG. 5

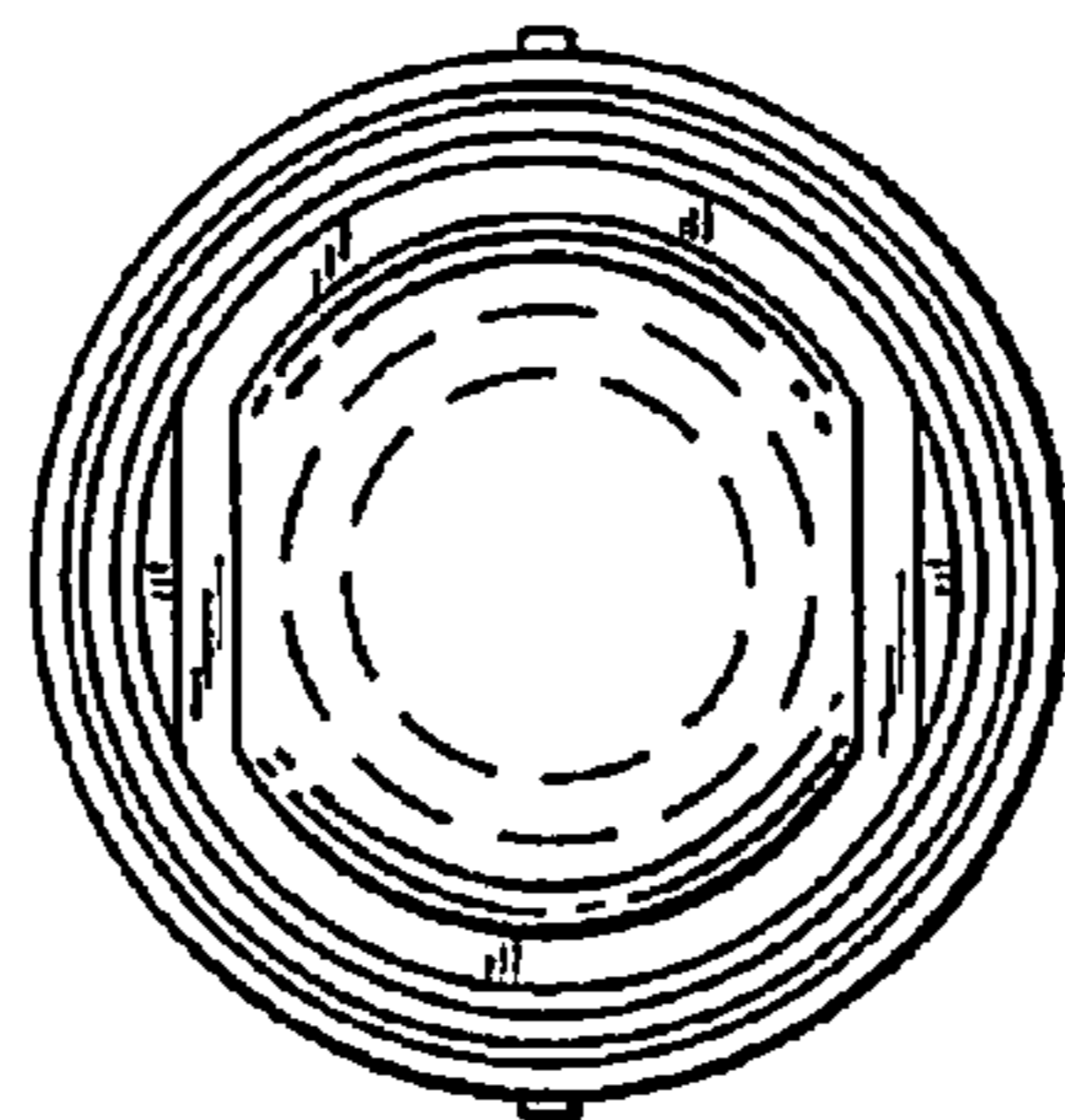


FIG. 7

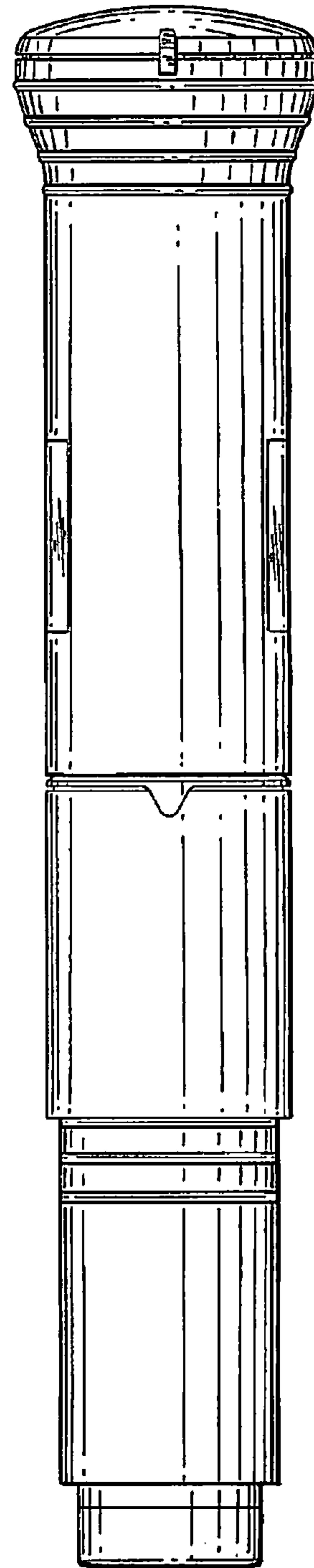


FIG. 6