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(12) **United States Design Patent** (10) **Patent No.:** **US D865,948 S**
Mandaroux et al. (45) **Date of Patent:** **** Nov. 5, 2019**

(54) **SYRINGE DEVICE**
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2,551,902 A 5/1951 Rieck
2,737,946 A 3/1956 Hein, Jr.
2,853,070 A 9/1958 Julliard
3,086,530 A 4/1963 Groom
3,161,323 A 12/1964 Bent
D202,754 S 11/1965 Fnftolin
D214,112 S 5/1969 Langdon

(Continued)

FOREIGN PATENT DOCUMENTS

CN 2535071 2/2003
CN 200960353 10/2007

(Continued)

OTHER PUBLICATIONS

Bleyer, "SIS Facial Implant 510(k) Summary," Cook Biotech Inc.,
May 2005, 1 page.

(Continued)

Related U.S. Application Data

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24, 2017.
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(52) **U.S. Cl.**
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CPC A61M 5/178; A61M 3/00; A61M 5/20;
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See application file for complete search history.

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(57) **CLAIM**

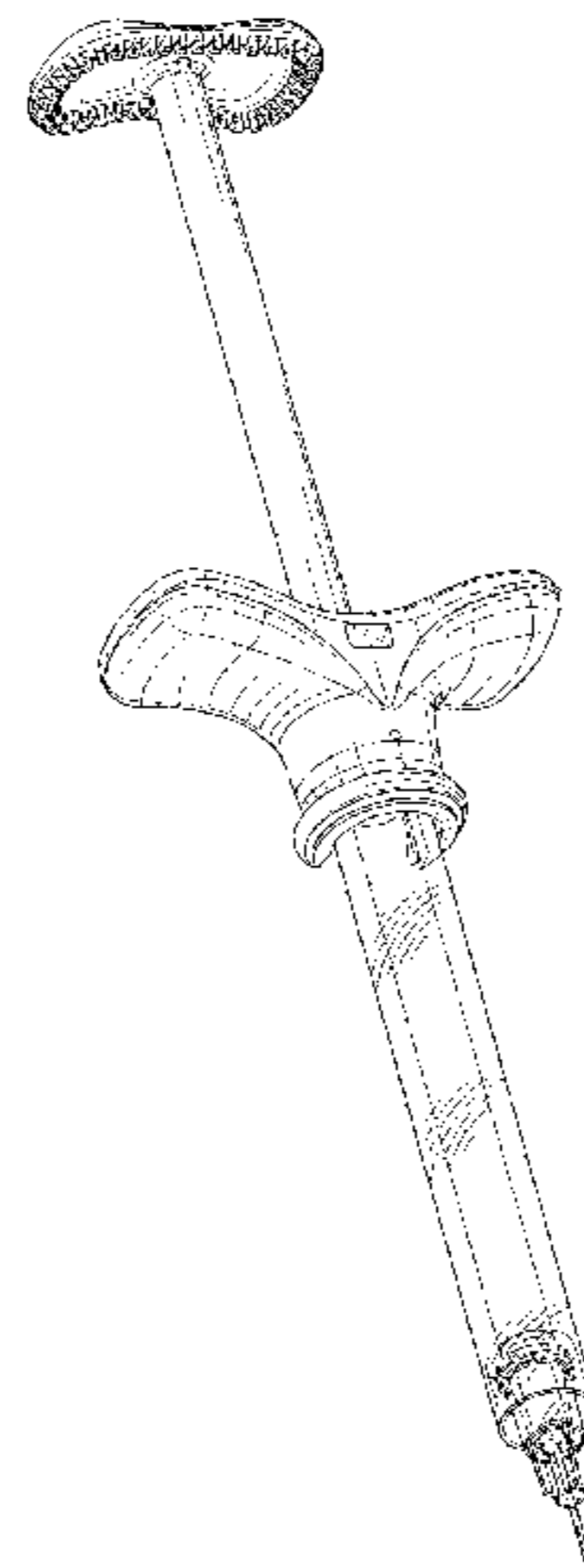
The ornamental design for a syringe device, as shown and
described.

DESCRIPTION

FIG. 1 is a front, top perspective view of a syringe device;
FIG. 2 is a right side view of the syringe device of FIG. 1;
FIG. 3 is a left side view of the syringe device of FIG. 1;
FIG. 4 is a top plan view of the syringe device of FIG. 1;
FIG. 5 is a bottom plan view of the syringe device of FIG.
1;
FIG. 6 is a rear side view of the syringe device of FIG. 1;
and,
FIG. 7 is a front side view of the syringe device of FIG. 1.
The broken lines shown in the figures are included for the
purpose of illustration and form no part of the claimed
design.

1 Claim, 4 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS
1,250,114 A 12/1917 Bigelow et al.
1,558,037 A 10/1925 Morton
1,591,021 A 7/1926 Davis
2,007,140 A 7/1935 Ragnar
2,302,986 A 11/1942 Vollrath
2,491,978 A 12/1949 Helfman



(56)

References Cited

U.S. PATENT DOCUMENTS

2013/0012865 A1 1/2013 Sallberg et al.
 2013/0041346 A1 2/2013 Alon
 2013/0096531 A1 4/2013 Estepa et al.
 2013/0122068 A1 5/2013 Fermanian et al.
 2013/0131632 A1 5/2013 Mudd et al.
 2013/0131633 A1 5/2013 Mudd et al.
 2013/0150826 A1 6/2013 Almohizea
 2013/0184648 A1 7/2013 Inou et al.
 2013/0184696 A1 7/2013 Fourkas
 2013/0197446 A1 8/2013 Gustafsson
 2013/0197449 A1 8/2013 Franklin et al.
 2013/0211374 A1 8/2013 Hetherington
 2013/0253289 A1 9/2013 Hadvary
 2013/0274655 A1 10/2013 Jennings
 2013/0274670 A1 10/2013 Mudd et al.
 2013/0280755 A1 10/2013 Hubert
 2013/0310763 A1 11/2013 Mudd et al.
 2014/0018770 A1 1/2014 Sutkin
 2014/0018835 A1 1/2014 Scherkowski
 2014/0066845 A1 3/2014 Mudd et al.
 2014/0088502 A1 3/2014 Matheny et al.
 2014/0088553 A1 3/2014 Hetherington
 2014/0114279 A1 4/2014 Klinghoffer
 2014/0121587 A1 5/2014 Sallberg et al.
 2014/0128685 A1 5/2014 Na
 2014/0128810 A1 5/2014 Ozawa et al.
 2014/0162901 A1 6/2014 Bahrami et al.
 2014/0170299 A1 6/2014 Gill
 2014/0228950 A1 8/2014 Whitcup et al.
 2014/0228971 A1 8/2014 Kim
 2014/0249504 A1 9/2014 Franklin et al.
 2014/0257190 A1 9/2014 Yue et al.
 2014/0309590 A1 10/2014 Bahrami et al.
 2014/0343481 A1 11/2014 Ignon
 2014/0350514 A1 11/2014 Levin
 2014/0350516 A1 11/2014 Schwab
 2014/0350517 A1 11/2014 Dominguez
 2014/0350518 A1 11/2014 Franklin et al.
 2014/0350536 A1 11/2014 Allison
 2015/0025459 A1 1/2015 Kimmell
 2015/0025563 A1 1/2015 Mosharrafa et al.
 2015/0119875 A1 4/2015 Fischell et al.
 2015/0126929 A1 5/2015 Franklin et al.
 2015/0141956 A1 5/2015 Hoffman et al.
 2015/0157809 A1 6/2015 Park et al.
 2015/0209265 A1 7/2015 Horne
 2015/0343147 A1 12/2015 Franklin et al.
 2016/0007990 A1 1/2016 Solish et al.
 2016/0058488 A1 3/2016 Fourkas
 2016/0095984 A1 4/2016 Franklin et al.
 2016/0114144 A1 4/2016 Sumida
 2016/0144125 A1 5/2016 Franklin
 2016/0207253 A9 7/2016 Down et al.
 2016/0213854 A1 7/2016 Schwab et al.
 2016/0263358 A1 9/2016 Unger
 2016/0303314 A1 10/2016 Momose
 2017/0080154 A1 3/2017 Mudd et al.
 2017/0290987 A1 10/2017 Mandaroux et al.

FOREIGN PATENT DOCUMENTS

EP 0362484 4/1990
 EP 0205915 7/1990
 EP 0167662 12/1990
 EP 0648474 4/1995
 EP 0809968 12/1997
 EP 1051988 11/2000
 EP 1486218 12/2004
 EP 1395320 6/2006
 EP 1859827 11/2007
 EP 1923086 5/2008
 EP 2189173 5/2010
 EP 2335755 6/2011
 EP 2422832 2/2012
 EP 2103262 2/2013

EP 2184016 4/2013
 EP 2671516 12/2013
 FR 53011 9/1945
 FR 2622457 5/1989
 FR 2857654 1/2005
 GB 2336783 5/2003
 IN 209387 9/2007
 KR 20120007473 1/2012
 KR 101246570 3/2013
 KR 20130036921 4/2013
 KR 20130130436 12/2013
 KR 20130132196 12/2013
 KR 20140029007 3/2014
 RU 2286803 11/2006
 WO WO 90/001349 2/1990
 WO WO 92/013579 8/1992
 WO WO 94/012228 6/1994
 WO WO 96/025965 8/1996
 WO WO 97/028840 8/1997
 WO WO 99/048601 9/1999
 WO WO 01/00190 1/2001
 WO WO 02/055135 7/2002
 WO WO 2004/022603 3/2004
 WO WO 2005/095225 10/2005
 WO WO 2006/065837 6/2006
 WO WO 2008/086479 8/2006
 WO WO 2006/118804 11/2006
 WO WO 2006/133111 12/2006
 WO WO 2007/092929 8/2007
 WO WO 2008/019265 2/2008
 WO WO 2008/053481 5/2008
 WO WO 2008/072229 6/2008
 WO WO 2008/079824 7/2008
 WO WO 2008/148071 12/2008
 WO WO 2009/003135 12/2008
 WO WO 2009/035680 3/2009
 WO WO 2009/091099 7/2009
 WO WO 2009/098666 8/2009
 WO WO 2009/158145 12/2009
 WO WO 2010/028025 3/2010
 WO WO 2011/016785 2/2011
 WO WO 2011/073796 6/2011
 WO WO 2011/075731 6/2011
 WO WO 2011/109129 9/2011
 WO WO 2011/109130 9/2011
 WO WO 2012/054301 4/2012
 WO WO 2012/054311 4/2012
 WO WO 2012/127856 9/2012
 WO WO 2012/172424 12/2012
 WO WO 2013/005881 1/2013
 WO WO 2013/054165 4/2013
 WO WO 2013/055832 4/2013
 WO WO 2013/082112 6/2013
 WO WO 2013/106857 8/2013
 WO WO 2014/026044 2/2014
 WO WO 2014/034032 3/2014
 WO WO 2012/174464 5/2014
 WO WO 2014/064536 5/2014
 WO WO 2014/189161 11/2014
 WO WO 2015/007243 1/2015
 WO WO 2015/020982 2/2015
 WO WO 2013/065235 4/2015
 WO WO 2015/064031 5/2015
 WO WO 2015/105269 7/2015
 WO WO 2015/127339 8/2015
 WO WO 2015/149031 10/2015
 WO WO 2016/008845 1/2016
 WO WO 2016/022865 2/2016
 WO WO 2016/033584 3/2016
 WO WO 2016/033586 3/2016

OTHER PUBLICATIONS

Davidenko et al., "Collagen-hyaluronic acid scaffolds for adipose tissue engineering", ACTA Biomaterialia, vol. 6, No. 10, Oct. 1, 2010, pp. 3957-3968.
 Galderma, "New Restylane Skinboosters SmartClick delivery system wins prestigious Red Dot design award," Jul. 4, 2014, retrieved

(56)

References Cited

OTHER PUBLICATIONS

from <http://www.galderma.com/News/articleType/ArticleView/articleId/64/New-Restylane-Skinboosters-SmartClick-delivery-system-wins-prestigious-Red-Dot-design-award>.

Galderma, "Restylane Smart Click System Injection Device," Mar. 2015, retrieved from <http://www.red-dot-21.com/products/restylane-smart-click-system-injection-device-22169>.

Hamza et al., "A new external filling device in tissue expansion," *Plastic and Reconstructive Surgery*, Mar. 1998, vol. 101, No. 3, pp. 813-815.

Indian Patent Application No. 190/CHE/2002, filed Mar. 20, 2002, entitled A Subcutaneous Tissue Expander, 5 pages.

Indian Patent Application No. IN2012KO01267 for Tissue Expander, Feb. 8, 2017, 7 pages.

International Search Report from PCT/US2016/021838, dated May 17, 2016, 3 pages.

International Search Report and Written Opinion from PCT/US2009/045831, dated Feb. 24, 2010, 14 pages.

International Search Report and Written Opinion from PCT/US2014/039265, dated Nov. 18, 2014, 18 pages.

International Search Report and Written Opinion from PCT/US2014/039266, dated Aug. 26, 2014, 13 pages.

Park et al., "Biological characterization of EDC-crosslinked collagen-hyaluronic acid matrix in dermal tissue restoration", *Biomaterials*, Elsevier Science Publishers BV, vol. 24, No. 9, Apr. 1, 2003, pp. 1631-1641.

Prime Journal, "Galderma to launch two new syringes at AMWC 2014," Mar. 2014, 4 pages.

Turtlepin, "The Painless Direct Dermal Injector" Product Information, JM Biotech Co Ltd, 2013, 18 pages.

Wang et al., "In vivo stimulation of de novo collagen production caused by cross-linked hyaluronic acid dermal filler injections in photodamaged human skin.", *Archives of Dermatology*, American Medical Association, US, vol. 143, No. 2, Feb. 1, 2007, pp. 155-163.

* cited by examiner

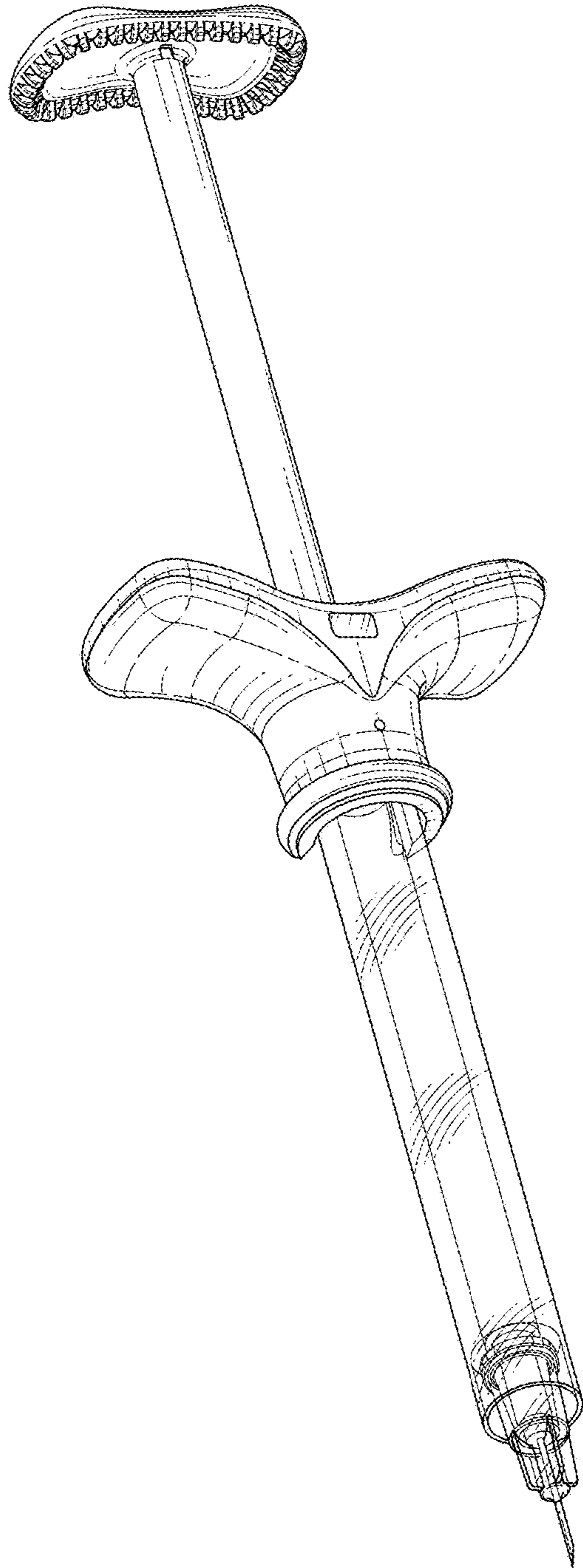


FIG. 1

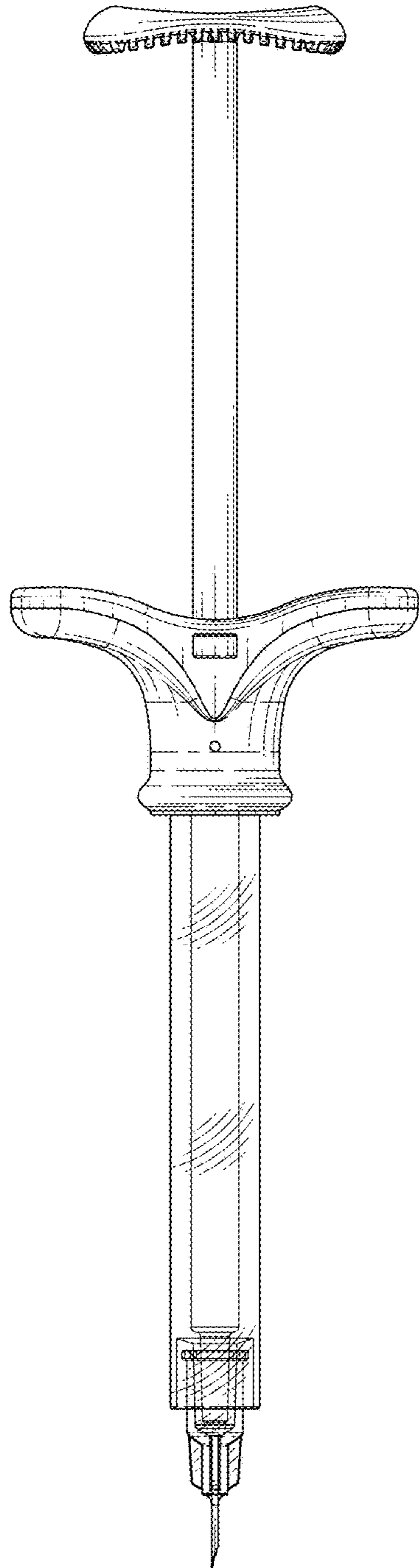


FIG. 2

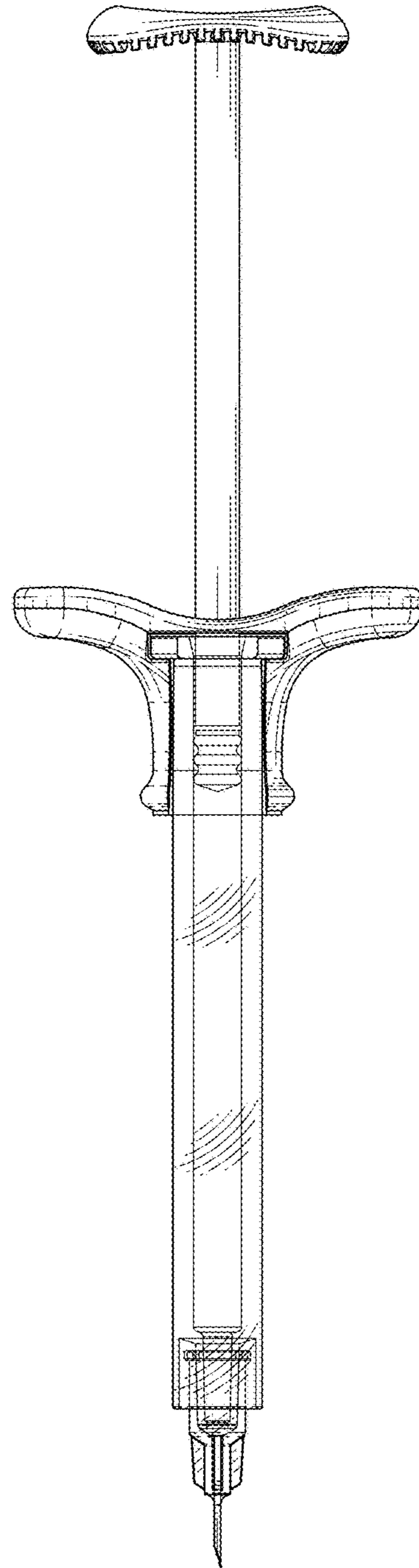


FIG. 3

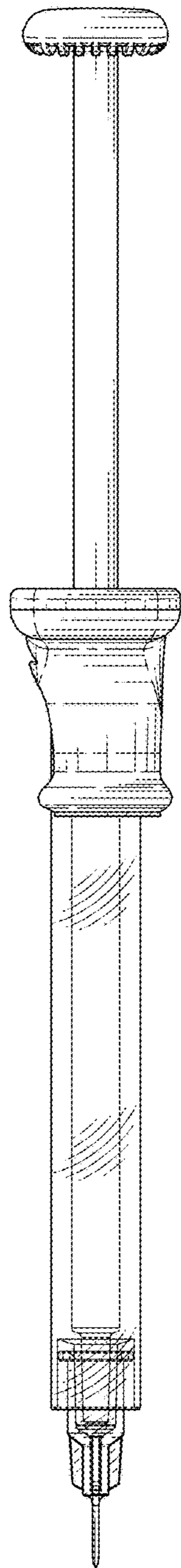


FIG. 4

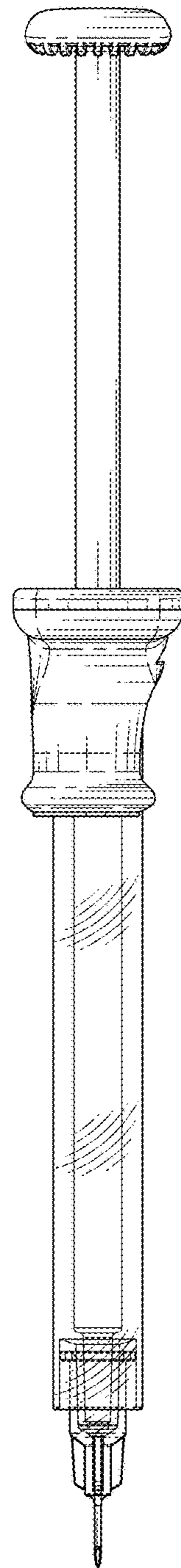


FIG. 5

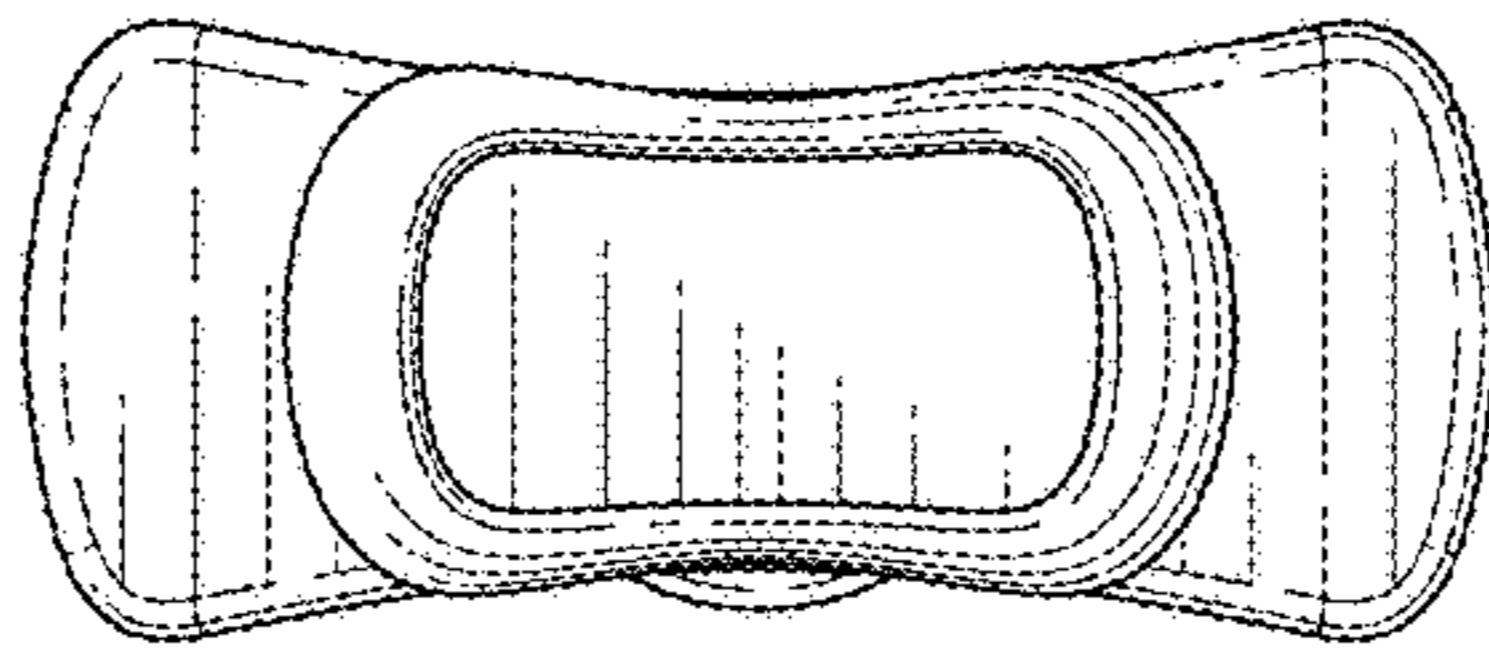


FIG. 6

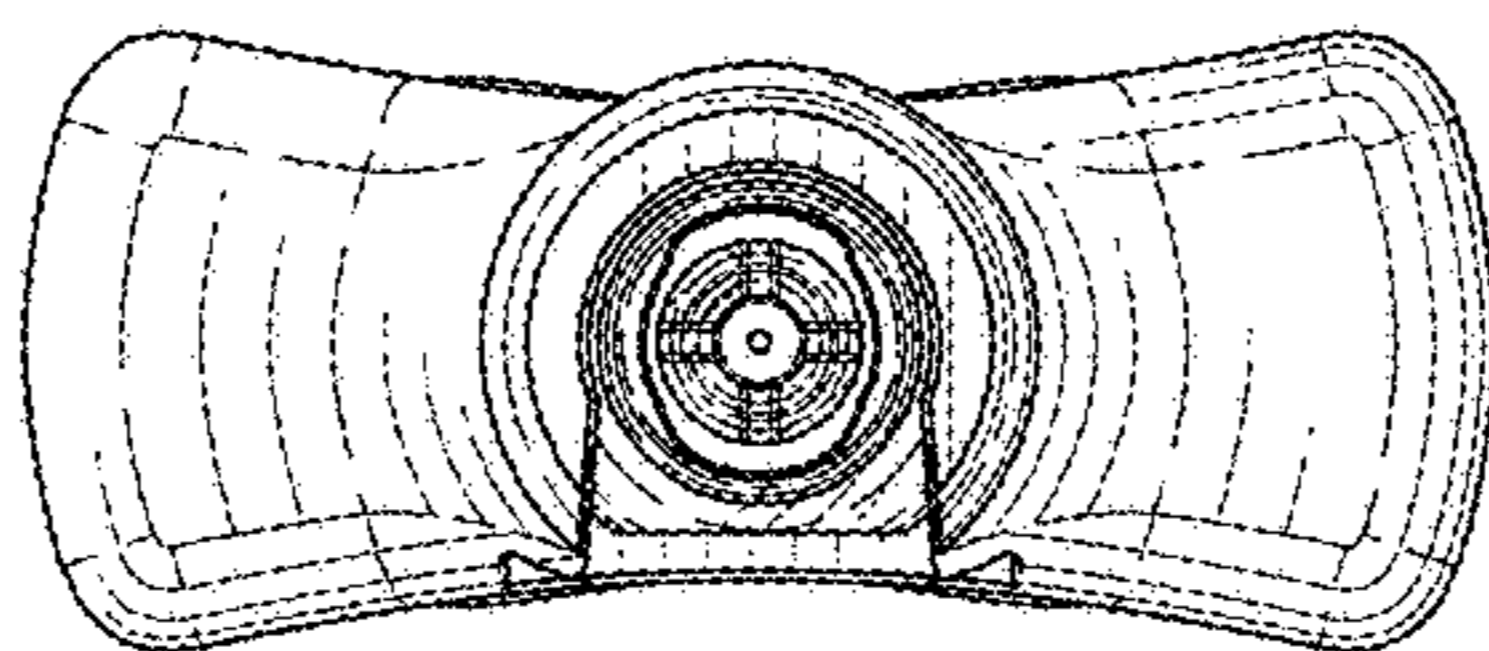


FIG. 7