



US00D857882S

(12) **United States Design Patent** (10) **Patent No.:** **US D857,882 S**  
**Rimsa et al.** (45) **Date of Patent:** **\*\* Aug. 27, 2019**

- (54) **TISSUE TRANSFER APPARATUS**
- (71) Applicant: **LifeCell Corporation**, Madison, NJ (US)
- (72) Inventors: **Joseph Rimsa**, Palo Alto, CA (US);  
**Brian J. Domecus**, San Francisco, CA (US)
- (73) Assignee: **LifeCell Corporation**, Madison, NJ (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/610,855**
- (22) Filed: **Jul. 17, 2017**

**Related U.S. Application Data**

- (63) Continuation of application No. 29/557,749, filed on Mar. 11, 2016, now Pat. No. Des. 795,420, which is a continuation of application No. 29/533,766, filed on Jul. 22, 2015, now Pat. No. Des. 751,692, which is a continuation of application No. 29/497,697, filed on Jul. 28, 2014, now Pat. No. Des. 737,431, which is a continuation of application No. 29/435,991, filed on Oct. 31, 2012, now Pat. No. Des. 710,003, which is a continuation-in-part of application No. 13/371,270, filed on Feb. 10, 2012, now Pat. No. 9,314,568.
- (51) **LOC (12) Cl.** ..... **24-02**
- (52) **U.S. Cl.**  
USPC ..... **D24/113**
- (58) **Field of Classification Search**  
USPC ..... D24/127-131, 112-114, 133, 186;  
606/181, 185; 604/264, 523-528, 272,  
604/187, 158, 164.01-164.11, 181, 184,  
604/227; 600/101, 139, 143;  
128/200.24, 207.14, 207.15  
CPC .. A61M 25/065; A61M 5/42; A61M 25/0612;  
A61M 25/00; A61M 39/00; A61M 27/00;  
A61M 25/0043; A61M 25/0067; A61M  
25/0097; A61F 2/958  
See application file for complete search history.

- (56) **References Cited**  
U.S. PATENT DOCUMENTS  
4,753,634 A 6/1988 Johnson  
5,785,640 A 7/1998 Kresch et al.  
(Continued)

**FOREIGN PATENT DOCUMENTS**

- WO 2008/137234 A1 11/2008
- WO 2010/138703 A1 12/2010

**OTHER PUBLICATIONS**

Coleman et al., Fat grafting to the breast revisited: safety and efficacy. *Plast Reconstr Surg.* Mar. 2007;119(3):775-85.  
(Continued)

*Primary Examiner* — David G Muller  
(74) *Attorney, Agent, or Firm* — McCarter & English, LLP

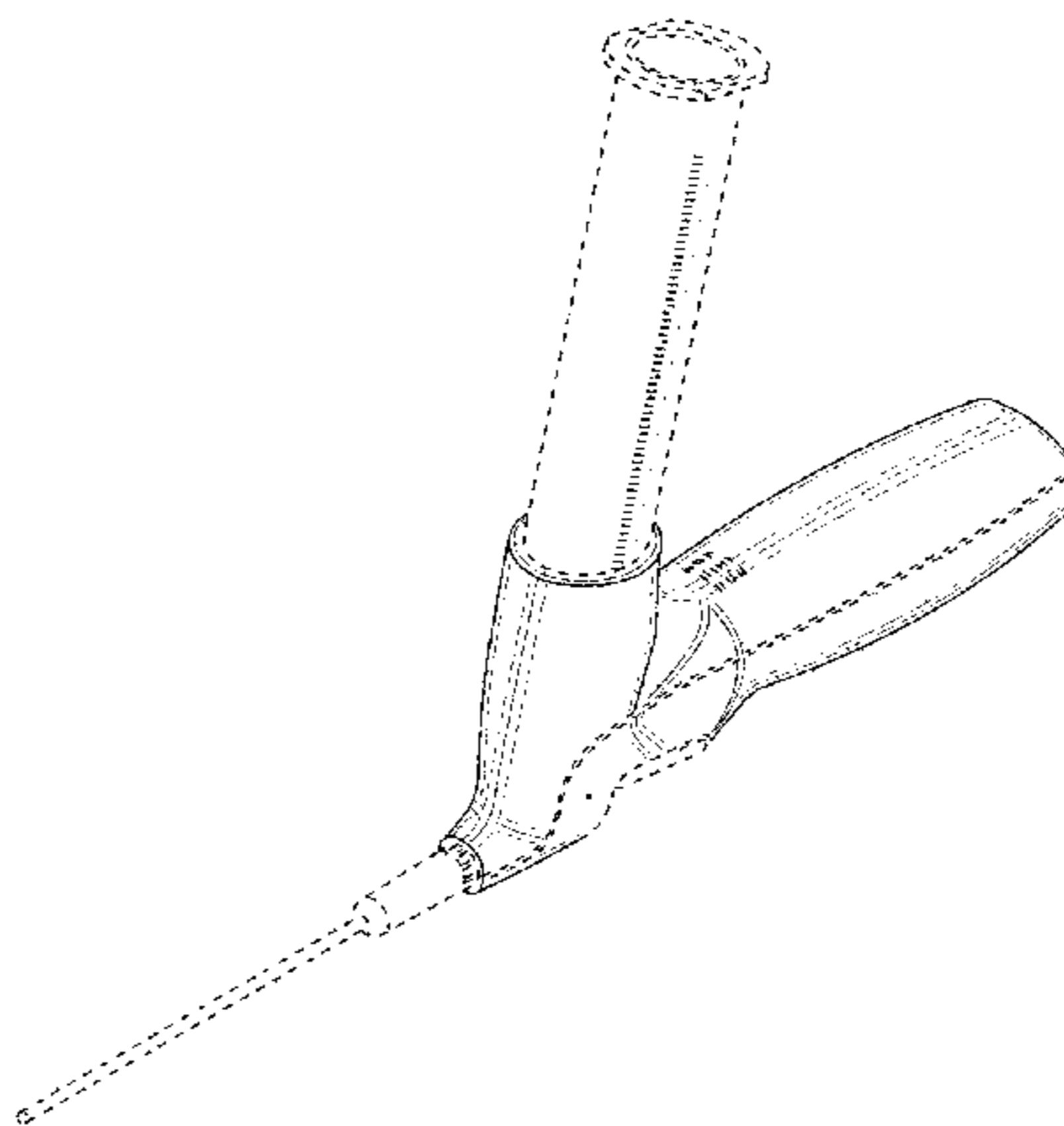
(57) **CLAIM**

The ornamental design for a tissue transfer apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a tissue transfer apparatus; FIG. 2 is a perspective view thereof; FIG. 3 is a reverse detailed perspective thereof; FIG. 4 is a side view thereof; FIG. 5 is a top view thereof; FIG. 6 is a bottom view thereof; FIG. 7 is a front end view thereof; FIG. 8 is a back end view thereof; FIG. 9 is a right side view thereof; and, FIG. 10 is a left side view thereof. All features illustrated in phantom line are expressly disclaimed and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

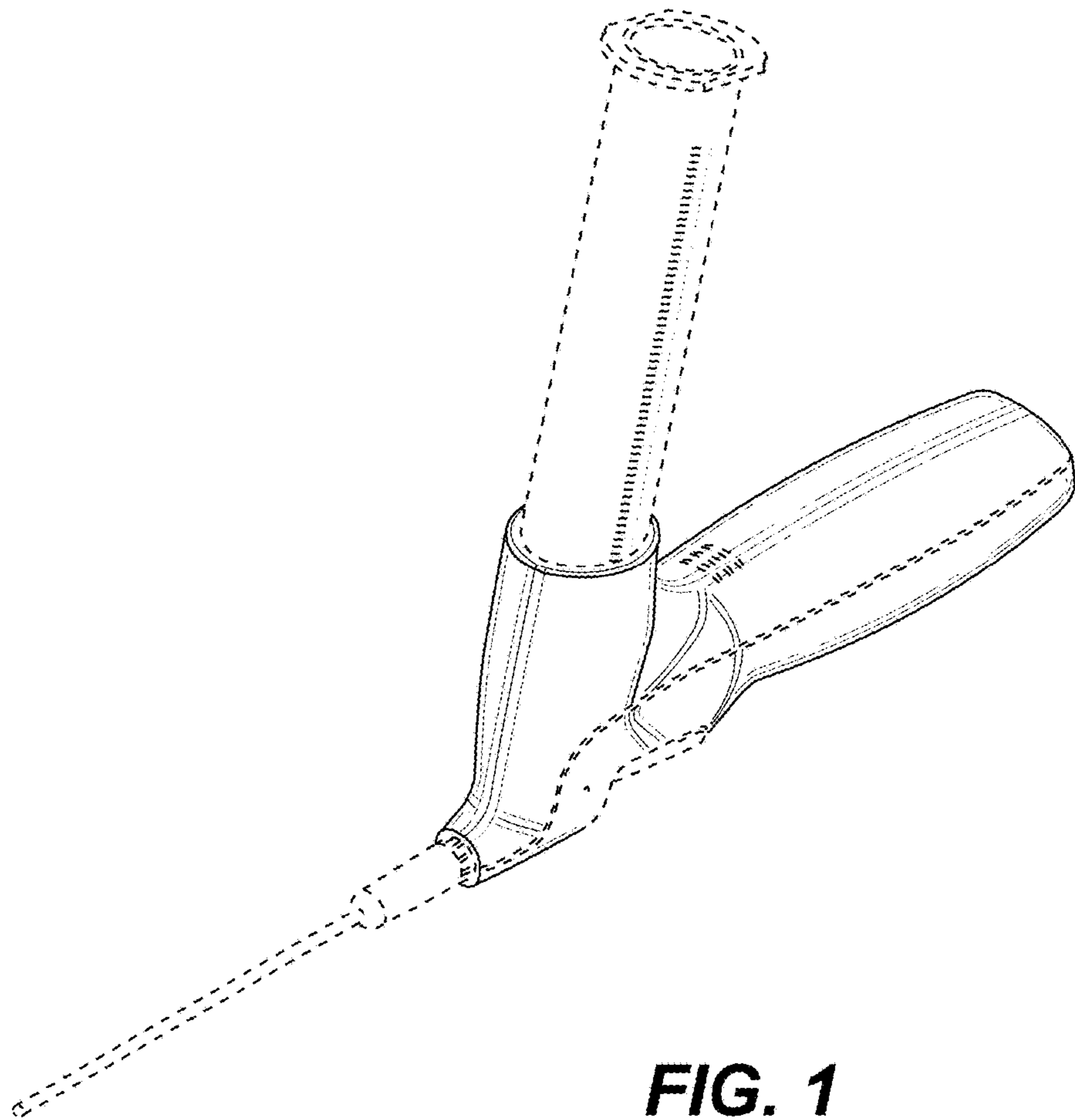
D401,336 S 11/1998 Muller et al.  
 D424,194 S 5/2000 Holdaway et al.  
 6,258,054 B1 7/2001 Mozsary et al.  
 D492,995 S 7/2004 Rue et al.  
 D575,393 S 8/2008 Stephens  
 7,588,732 B2 9/2009 Buss  
 7,780,649 B2 8/2010 Shippert  
 7,789,872 B2 9/2010 Shippert  
 7,794,449 B2 9/2010 Shippert  
 8,062,286 B2 11/2011 Shippert  
 8,293,532 B2 10/2012 Moynahan  
 8,333,740 B2 12/2012 Shipped  
 D679,011 S 3/2013 Kitayama et al.  
 8,409,860 B2 4/2013 Moynahan  
 D683,851 S 6/2013 Greenhalgh  
 D687,549 S 8/2013 Johnson et al.  
 D692,559 S 10/2013 Scheibel et al.  
 8,622,997 B2 1/2014 Shipped  
 8,632,498 B2 1/2014 Rimsa et al.  
 D710,003 S 7/2014 Rimsa et al.  
 D737,431 S 8/2015 Rimsa et al.  
 D751,692 S 3/2016 Rimsa et al.  
 9,314,568 B2 4/2016 Gurtner et al.  
 9,498,278 B2 \* 11/2016 Couture ..... A61B 18/1442  
 9,510,906 B2 \* 12/2016 Boudreaux ..... A61B 18/18  
 9,522,029 B2 \* 12/2016 Yates ..... A61B 17/07207  
 9,526,565 B2 \* 12/2016 Strobl ..... A61B 18/1445  
 D775,729 S \* 1/2017 Mujwid ..... D24/146  
 9,545,253 B2 \* 1/2017 Worrell ..... A61B 17/07207  
 9,549,752 B2 \* 1/2017 Meier ..... A61B 17/320068  
 9,554,854 B2 \* 1/2017 Yates ..... A61B 18/18  
 9,561,038 B2 \* 2/2017 Shelton, IV ..... A61B 17/1285  
 9,592,052 B2 \* 3/2017 Shelton, IV ..... A61B 17/07207  
 9,597,074 B2 \* 3/2017 Felder ..... A61B 17/11  
 9,603,595 B2 \* 3/2017 Shelton, IV ..... A61B 17/105  
 9,603,598 B2 \* 3/2017 Shelton, IV ..... A61B 17/105  
 D795,420 S 8/2017 Rimsa et al.

2002/0188280 A1 12/2002 Nguyen et al.  
 2006/0224144 A1 10/2006 Lee  
 2007/0106208 A1 5/2007 Uber et al.  
 2007/0260258 A1 11/2007 Sommerich  
 2008/0167613 A1 7/2008 Khouri et al.  
 2009/0030437 A1 1/2009 Houser et al.  
 2009/0105750 A1 4/2009 Price et al.  
 2009/0287190 A1 11/2009 Shipped  
 2009/0299328 A1 12/2009 Mudd et al.  
 2010/0036370 A1 2/2010 Mirel et al.  
 2010/0036405 A1 2/2010 Giordano et al.  
 2010/0174162 A1 7/2010 Gough et al.  
 2010/0187283 A1 7/2010 Crainich et al.  
 2010/0298851 A1 11/2010 Nield  
 2011/0009822 A1 1/2011 Nielsen  
 2011/0015627 A1 1/2011 DiNardo et al.  
 2011/0082486 A1 4/2011 Messerly et al.  
 2011/0087256 A1 4/2011 Wiener et al.  
 2011/0196405 A1 8/2011 Dietz  
 2011/0230820 A1 9/2011 Lillis et al.  
 2012/0078244 A1 3/2012 Worrell et al.  
 2012/0080457 A1 4/2012 Lovinger et al.  
 2012/0209248 A1 8/2012 Gurtner et al.  
 2013/0131635 A1 5/2013 Rimsa et al.  
 2013/0150825 A1 6/2013 Rimsa et al.  
 2016/0193429 A1 7/2016 Gurtner et al.

OTHER PUBLICATIONS

Delay et al., Fat injection to the breast: technique, results, and indications based on 880 procedures over 10 years. *Aesthet Surg J.* Sep.-Oct. 2009;29(5):360-76.  
 Ting et al., A new technique to assist epidural needle placement: fiberoptic-guided insertion using two wavelengths. *Anesthesiology.* May 2010;112(5):1128-35.  
 Yoshimura et al., Cell-assisted lipotransfer for cosmetic breast augmentation: supportive use of adipose-derived stem/stromal cells. *Aesthetic Plast Surg.* Jan. 2008;32(1):48-55.

\* cited by examiner



**FIG. 1**

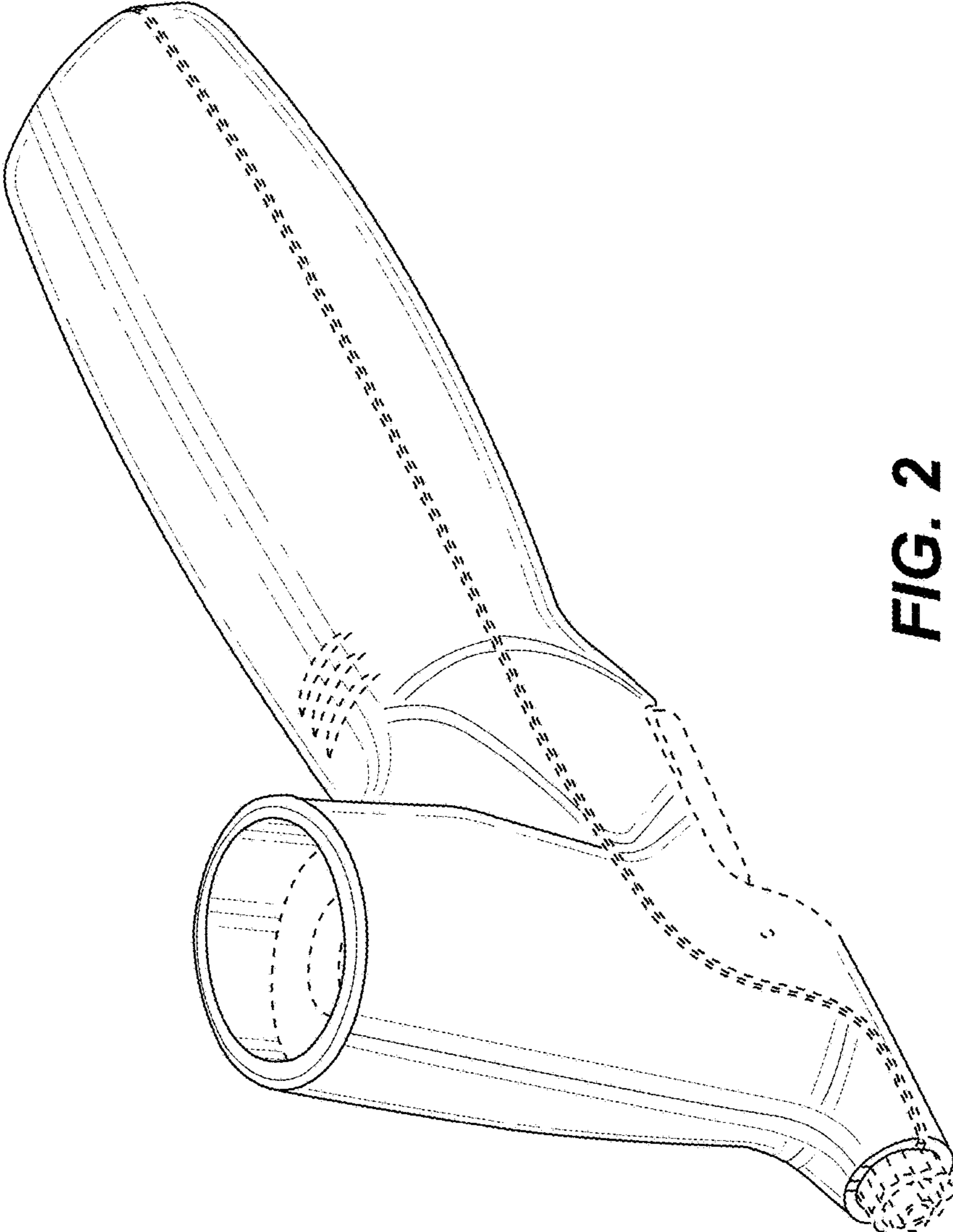
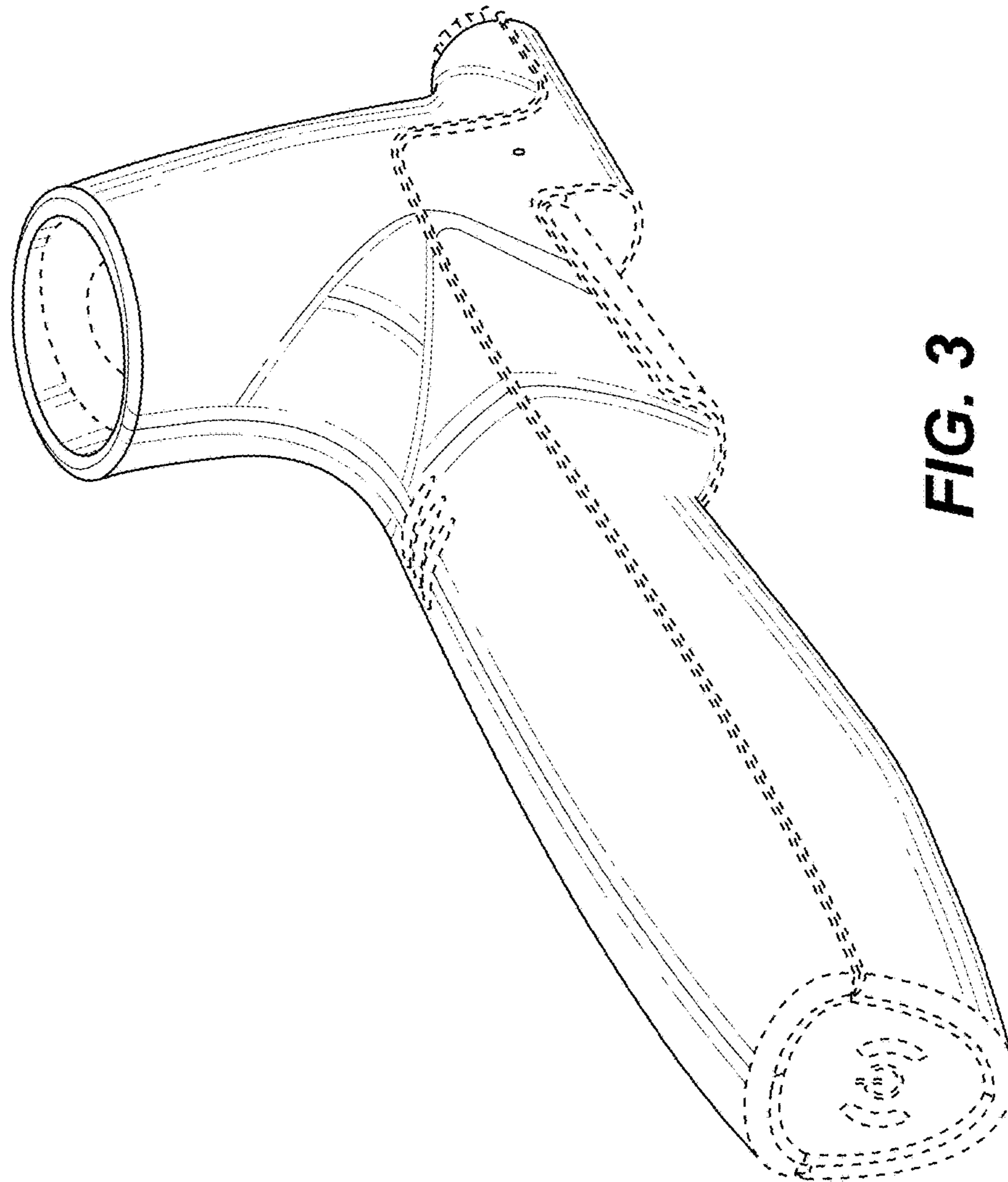
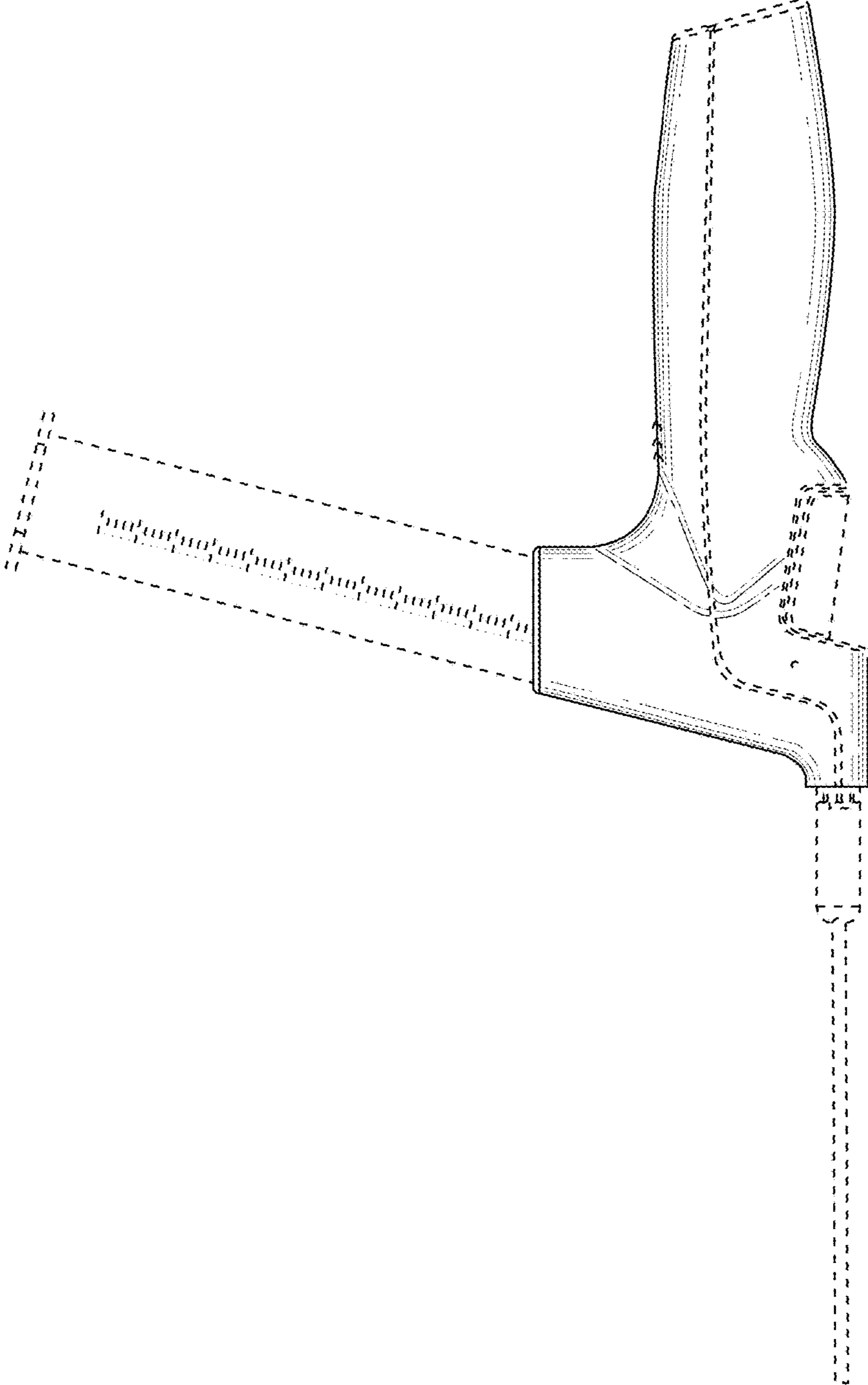


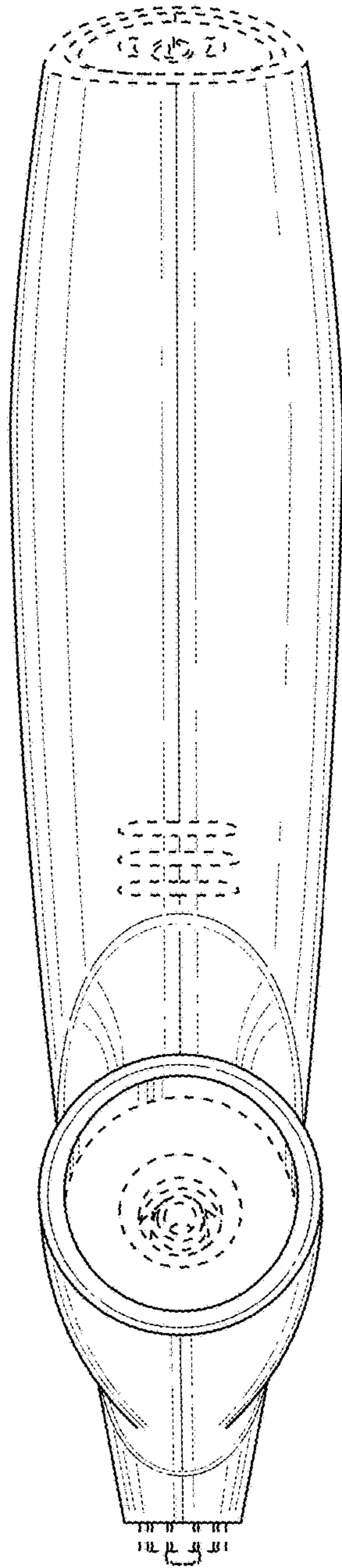
FIG. 2



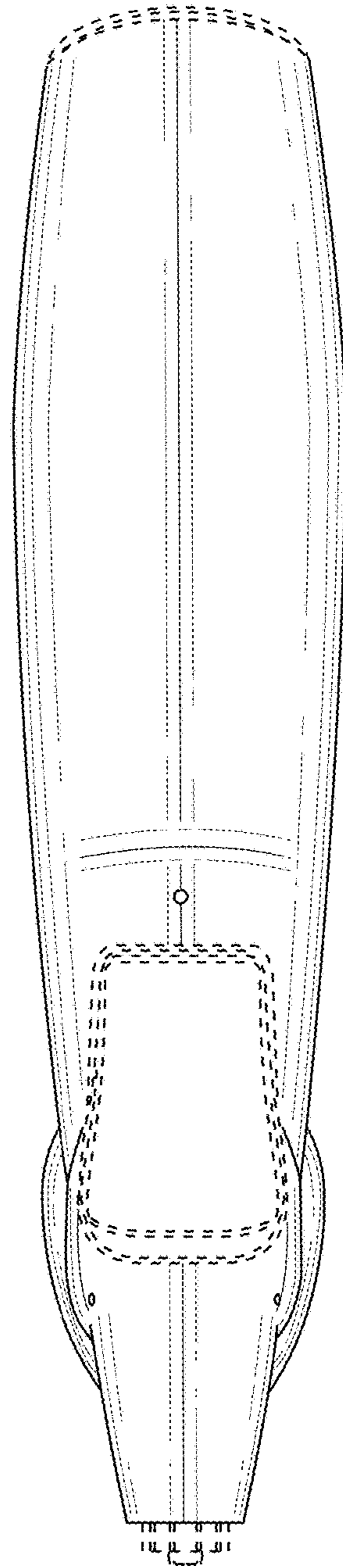
**FIG. 3**



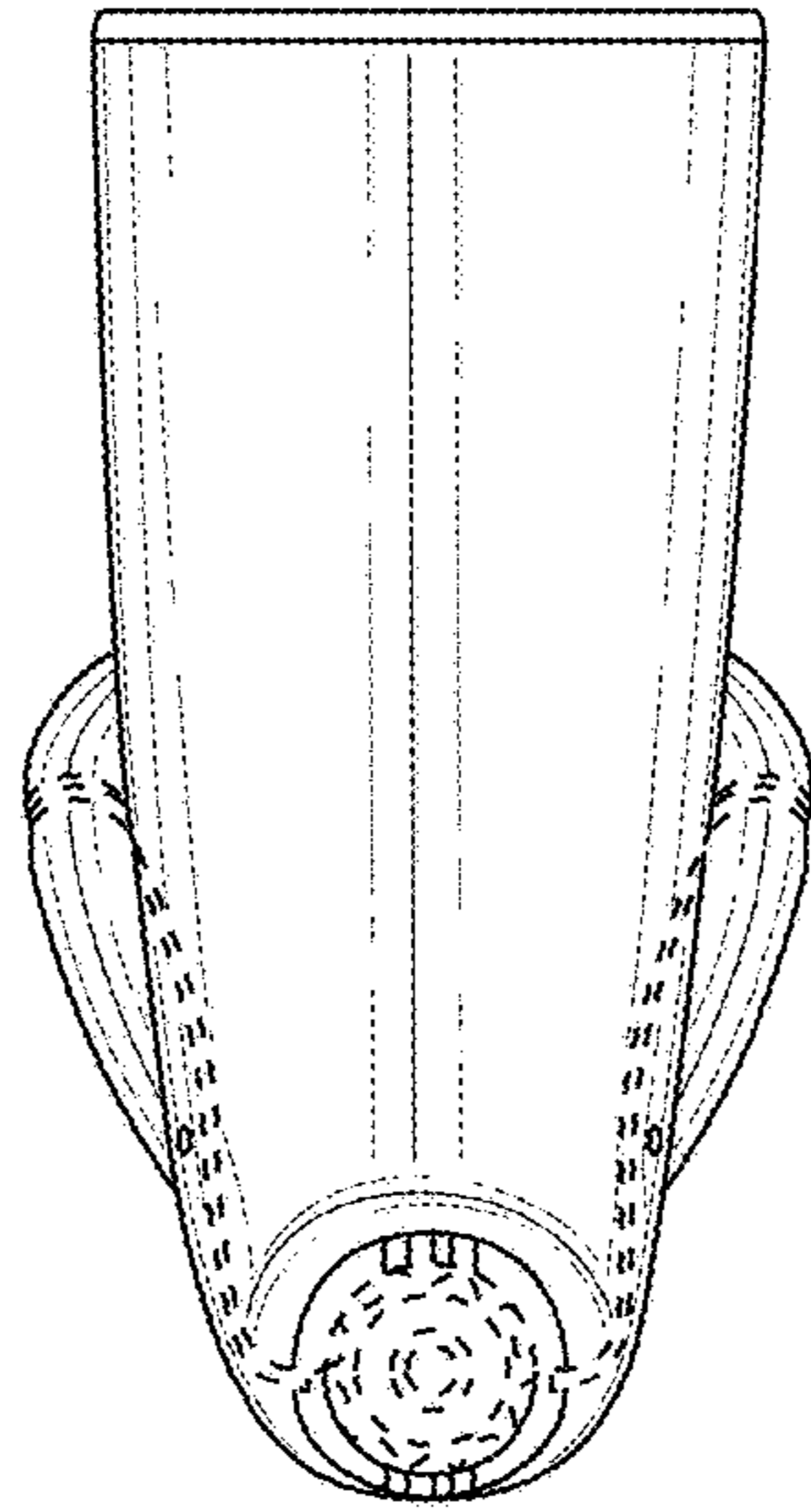
**FIG. 4**



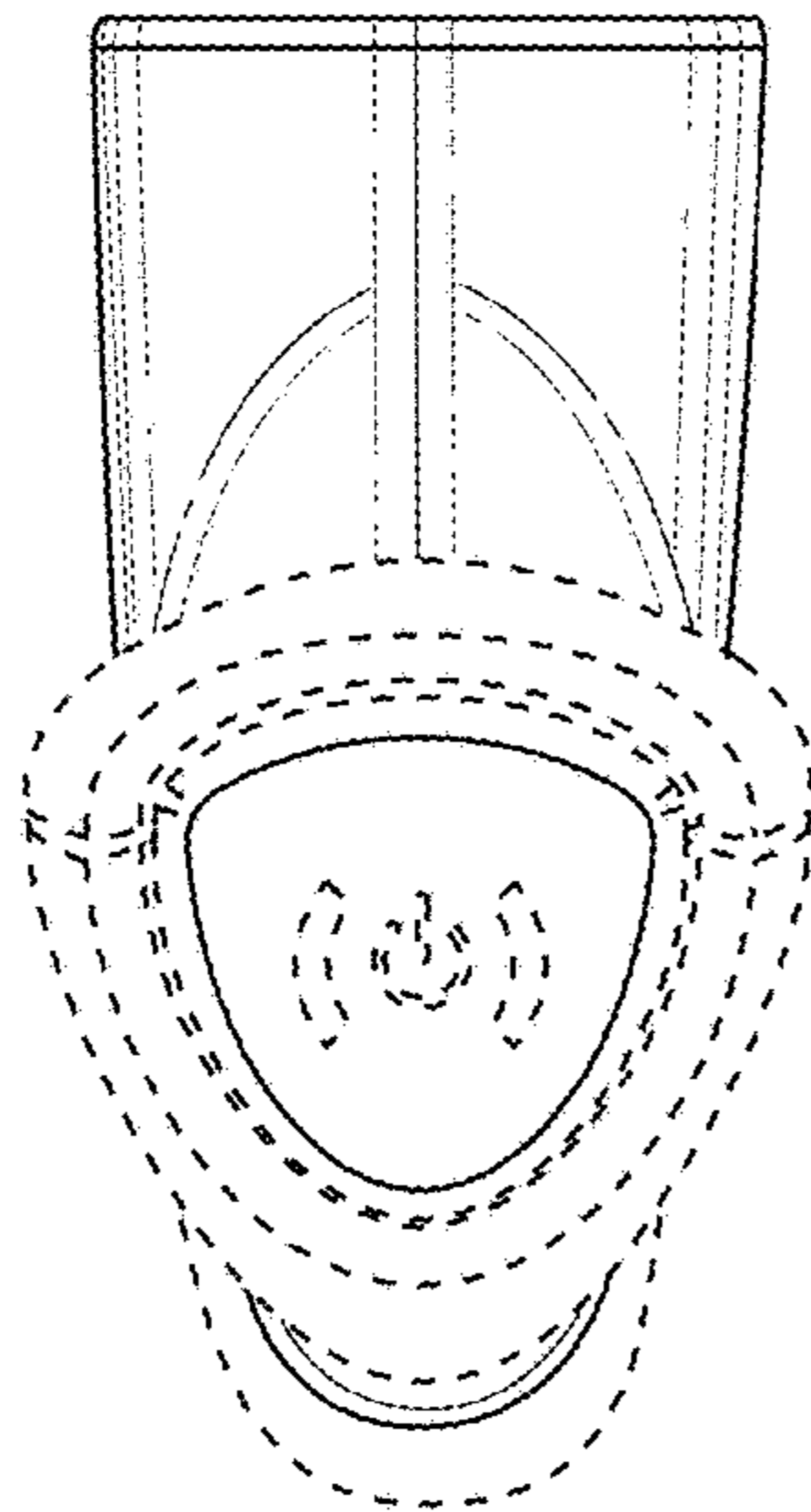
**FIG. 5**



**FIG. 6**



**FIG. 7**



**FIG. 8**



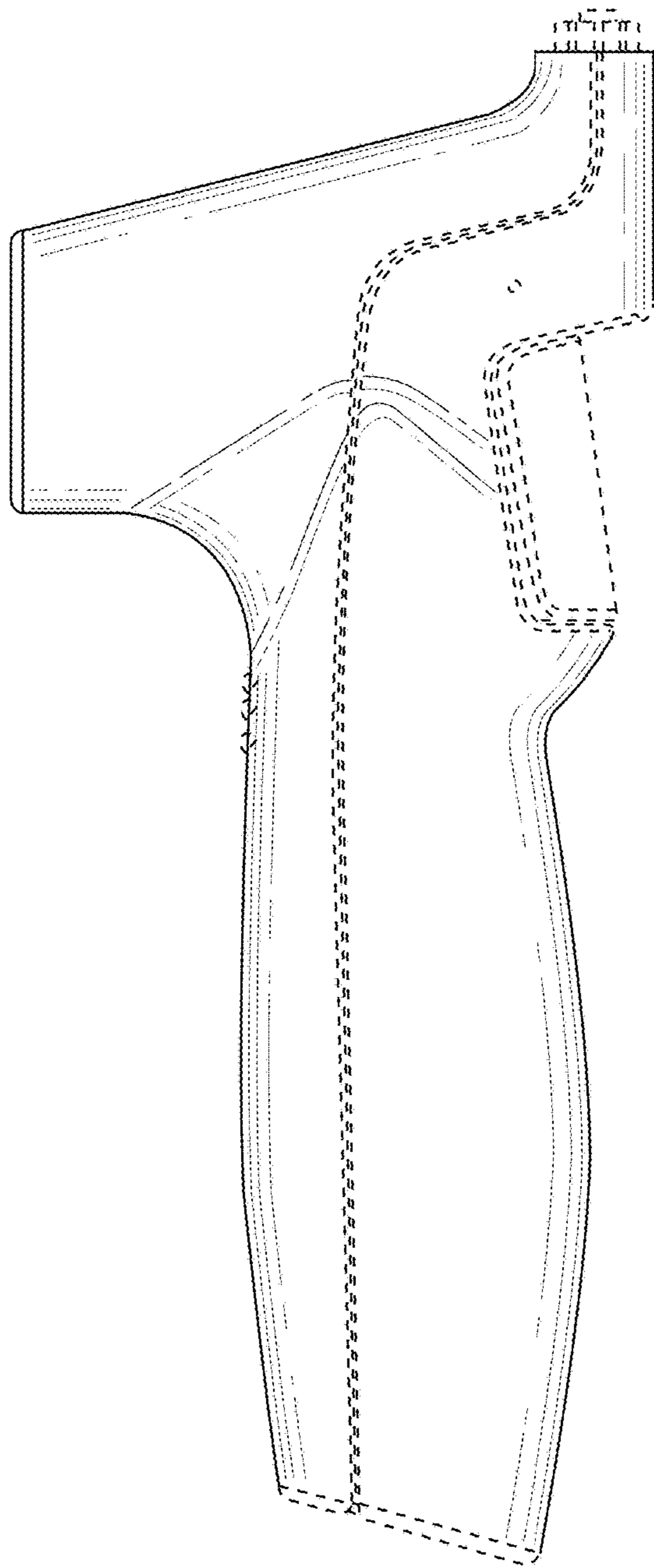
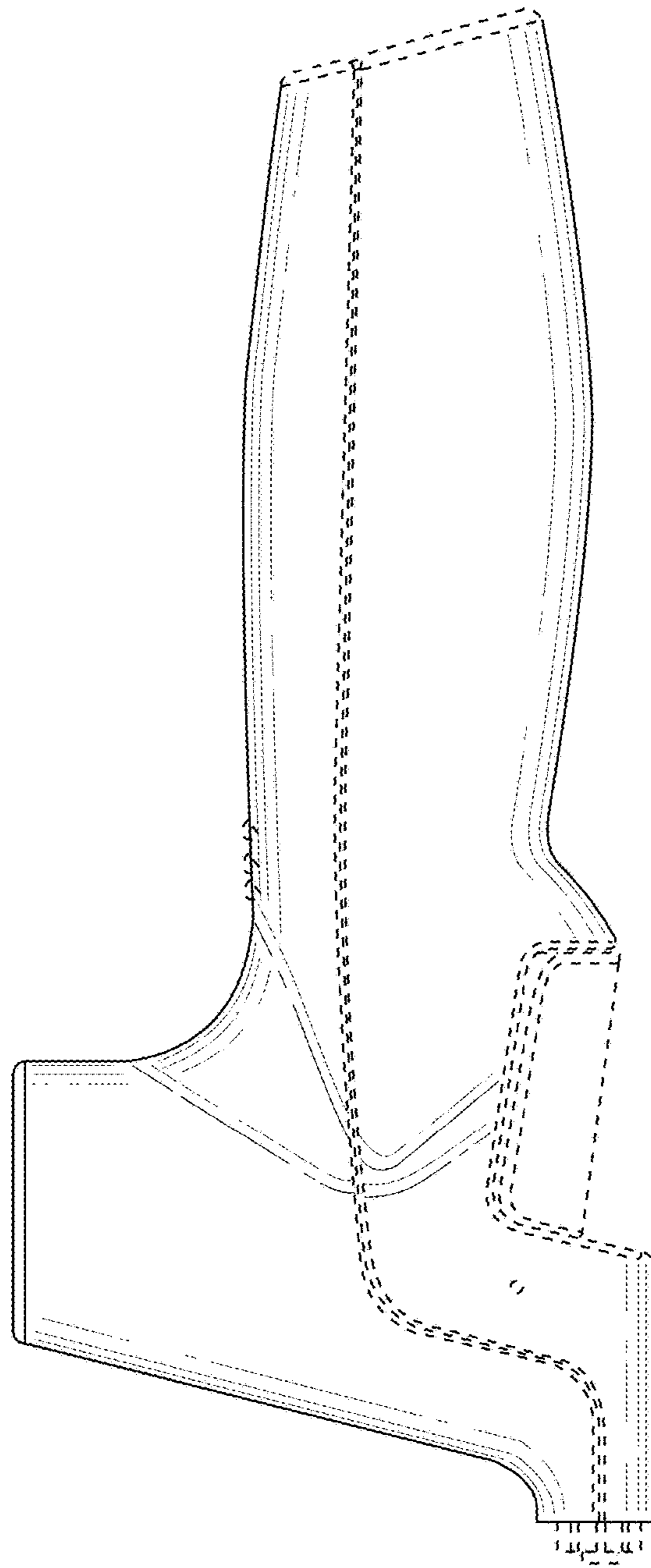


FIG. 9



**FIG. 10**