



US00D788572S

(12) **United States Design Patent** (10) **Patent No.:** **US D788,572 S**
Votel et al. (45) **Date of Patent:** **** Jun. 6, 2017**

(54) **CARABINER** 6,223,372 B1 * 5/2001 Barber B25F 1/00
7/118

(71) Applicant: **Tenacious Holdings, Inc.**, St. Paul, MN (US) 6,588,076 B1 7/2003 Choate
6,606,769 B1 8/2003 Harris
6,622,354 B1 9/2003 Klingier
6,715,898 B1 4/2004 Huang
6,725,480 B2 4/2004 Sawatzky
6,859,963 B2 3/2005 Sawatzky
6,979,143 B2 12/2005 Goldberg
7,106,858 B2 9/2006 Goldberg
7,111,349 B2 9/2006 Goldberg
7,216,386 B2 5/2007 Sawatzky
7,216,906 B2 5/2007 Barrett
7,228,600 B1 6/2007 Selby et al.
7,234,207 B2 6/2007 Goldberg
7,254,856 B2 8/2007 Goldberg
7,293,927 B2 11/2007 Goldberg
7,320,159 B2 * 1/2008 Petzl F16B 45/02
24/599.5

(72) Inventors: **Thomas Votel**, Sunfish Lake, MN (US);
Nathan Bohmbach, Lakeville, MN (US)

(73) Assignee: **Tenacious Holdings, Inc.**, St. Paul, MN (US)

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

(21) Appl. No.: **29/554,259**

(22) Filed: **Feb. 10, 2016**

(51) **LOC (10) Cl.** **08-05**

(52) **U.S. Cl.**
USPC **D8/356**

(58) **Field of Classification Search**
USPC D8/67, 354, 349, 356; D34/35
CPC . F16B 45/02; B66C 1/125; B66C 1/36; A62B
35/0037
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,095,316 A	6/1978	Gabriel	
4,667,772 A	5/1987	Kammerer	
4,802,264 A	2/1989	Isenhardt	
4,811,467 A	3/1989	Lowe	
5,005,266 A	4/1991	Fister et al.	
5,210,914 A	5/1993	Katsma	
5,329,675 A	7/1994	McLean et al.	
D349,839 S *	8/1994	Gilardelli	D8/331
5,416,955 A	5/1995	Katsma	
5,463,798 A	11/1995	Wurzer	
D391,840 S *	3/1998	Striebel	D8/367
5,878,834 A	3/1999	Brainerd et al.	
5,940,943 A	8/1999	Kloster	

Primary Examiner — Cynthia Underwood
(74) *Attorney, Agent, or Firm* — Skaar Ulbrich Macari, P.A.

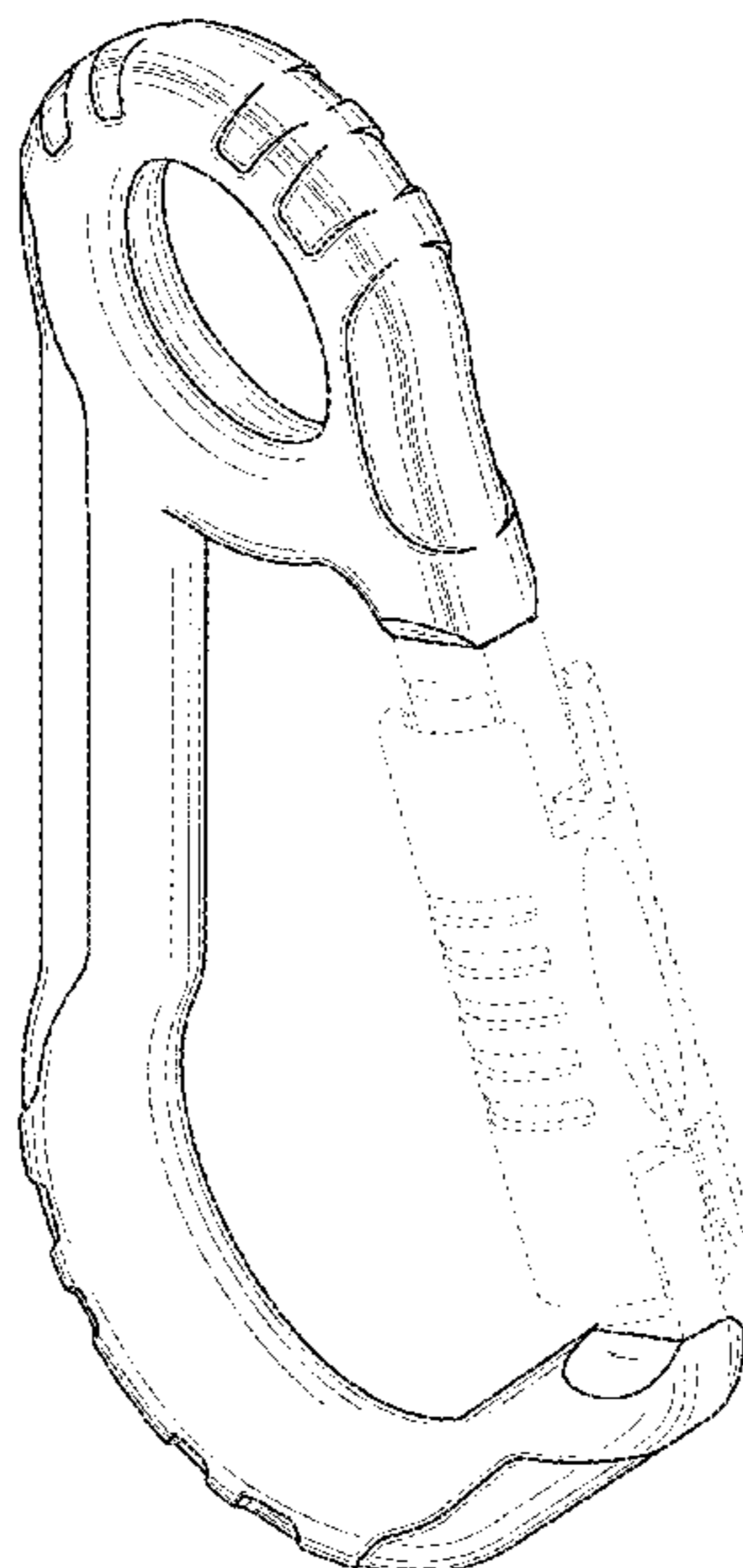
(57) **CLAIM**

We claim the ornamental design for the carabiner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective of our carabiner.
FIG. 2 is a right side elevation view thereof.
FIG. 3 is a left side elevation view thereof.
FIG. 4 is a front elevation view thereof.
FIG. 5 is a back elevation view thereof.
FIG. 6 is a bottom plan view thereof; and,
FIG. 7 is a top plan view thereof.
The broken lines on the drawings illustrate features that form no part of the claim.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,475,456 B2 * 1/2009 Thompson F16B 45/02
 24/599.9
 7,540,074 B2 * 6/2009 Thompson F16B 45/02
 24/599.5
 7,571,944 B2 8/2009 Mortensen
 7,698,970 B1 4/2010 Chavez et al.
 7,845,467 B2 * 12/2010 Petzl A62B 1/14
 182/193
 7,909,624 B2 3/2011 Iida
 7,938,533 B2 5/2011 Shapiro
 7,946,006 B2 * 5/2011 Thompson F16B 45/02
 24/592.11
 7,992,267 B2 8/2011 Christianson
 8,001,663 B2 8/2011 Belcourt et al.
 8,016,073 B2 9/2011 Petzl et al.
 D649,018 S * 11/2011 Kope D8/367
 8,060,994 B2 * 11/2011 Petzl F16B 45/02
 24/599.9
 D649,862 S * 12/2011 Arvinte D8/339
 8,156,617 B2 4/2012 Schwappach et al.
 8,234,761 B2 8/2012 Gompert et al.
 8,276,247 B2 * 10/2012 Yang F16B 45/02
 24/599.5
 8,366,265 B2 2/2013 Shapiro
 8,398,134 B1 3/2013 Mortensen
 8,402,616 B2 3/2013 Petzl et al.
 8,443,495 B2 5/2013 Schwappach et al.
 D684,452 S * 6/2013 Petzl D8/356
 8,474,112 B2 * 7/2013 Thompson F16B 45/02
 24/582.11
 8,491,330 B2 7/2013 McSweyn
 8,528,451 B2 9/2013 Steineckert et al.
 8,555,470 B2 10/2013 Spataro et al.
 8,621,728 B2 1/2014 Christianson
 8,758,045 B2 6/2014 McSweyn
 D708,047 S * 7/2014 Petzl D8/356
 8,905,449 B2 * 12/2014 Calvert F16B 45/025
 24/599.1
 8,955,203 B2 2/2015 Tardif
 8,985,658 B2 3/2015 Chepurny et al.
 D726,123 S * 4/2015 Su D13/154
 9,003,617 B2 * 4/2015 Walker F16B 45/02
 24/599.1

D730,159 S * 5/2015 Grimm D8/356
 D730,722 S * 6/2015 Grimm D8/356
 9,091,295 B1 * 7/2015 Yang F16B 45/02
 D743,778 S * 11/2015 Huang D8/367
 9,175,717 B2 11/2015 Tardif
 9,322,428 B2 * 4/2016 Perner F16B 45/02
 D765,497 S * 9/2016 Petzl D8/356
 9,470,258 B2 10/2016 Fitz-Earle et al.
 2007/0062014 A1 * 3/2007 Casebolt F16B 45/02
 24/600.1
 2007/0186393 A1 * 8/2007 Thompson F16B 45/02
 24/599.9
 2008/0022497 A1 * 1/2008 Thompson F16B 45/02
 24/598.1
 2008/0174130 A1 * 7/2008 Lin F16B 45/02
 294/82.2
 2009/0056088 A1 * 3/2009 Petzl F16B 45/02
 24/599.9
 2011/0023275 A1 * 2/2011 Thompson F16B 45/02
 24/594.1
 2011/0138587 A1 * 6/2011 Walker F16B 45/02
 24/599.5
 2012/0011688 A1 * 1/2012 Yang F16B 45/02
 24/599.8
 2013/0219673 A1 * 8/2013 Perner F16B 45/02
 24/375
 2014/0110956 A1 * 4/2014 Lin F16B 45/02
 294/82.2
 2014/0123447 A1 * 5/2014 Calvert F16B 45/025
 24/599.9
 2014/0245576 A1 * 9/2014 Perner F16B 45/02
 24/600.1
 2015/0231423 A1 * 8/2015 Perner A62B 35/0075
 24/505
 2016/0061251 A1 * 3/2016 Rogelja F16B 45/02
 24/598.3
 2016/0101302 A1 * 4/2016 Perner F16B 45/02
 24/573.11
 2016/0152453 A1 * 6/2016 Wescott B66D 3/04
 182/3
 2016/0281766 A1 * 9/2016 Moine A62B 35/0037
 2016/0361578 A1 * 12/2016 Casebolt A62B 35/0037
 2016/0363159 A1 * 12/2016 Yeh F16B 45/02
 2016/0376129 A1 * 12/2016 Hendrix F16B 45/02
 294/82.2

* cited by examiner

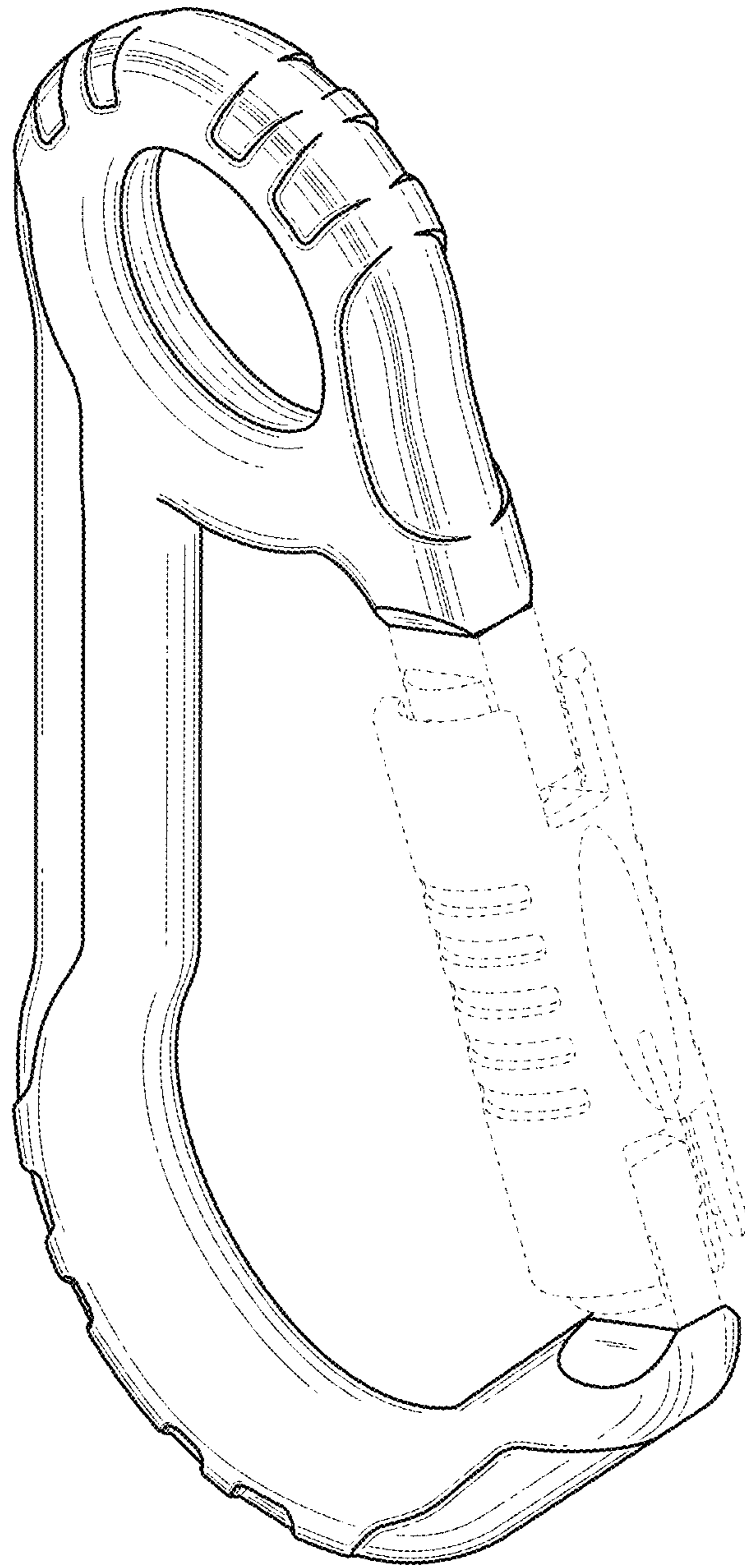


Fig. 1

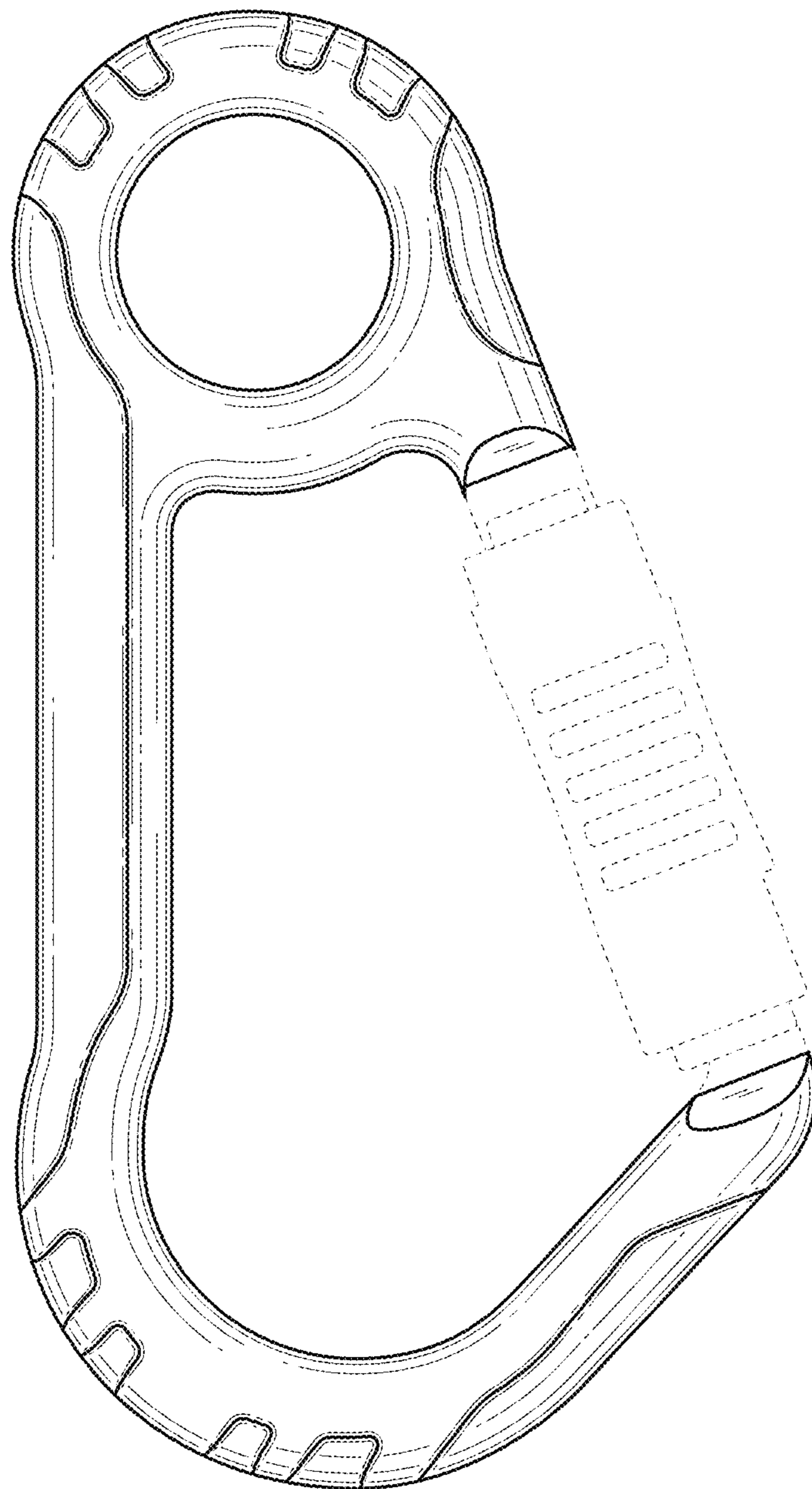


Fig. 2

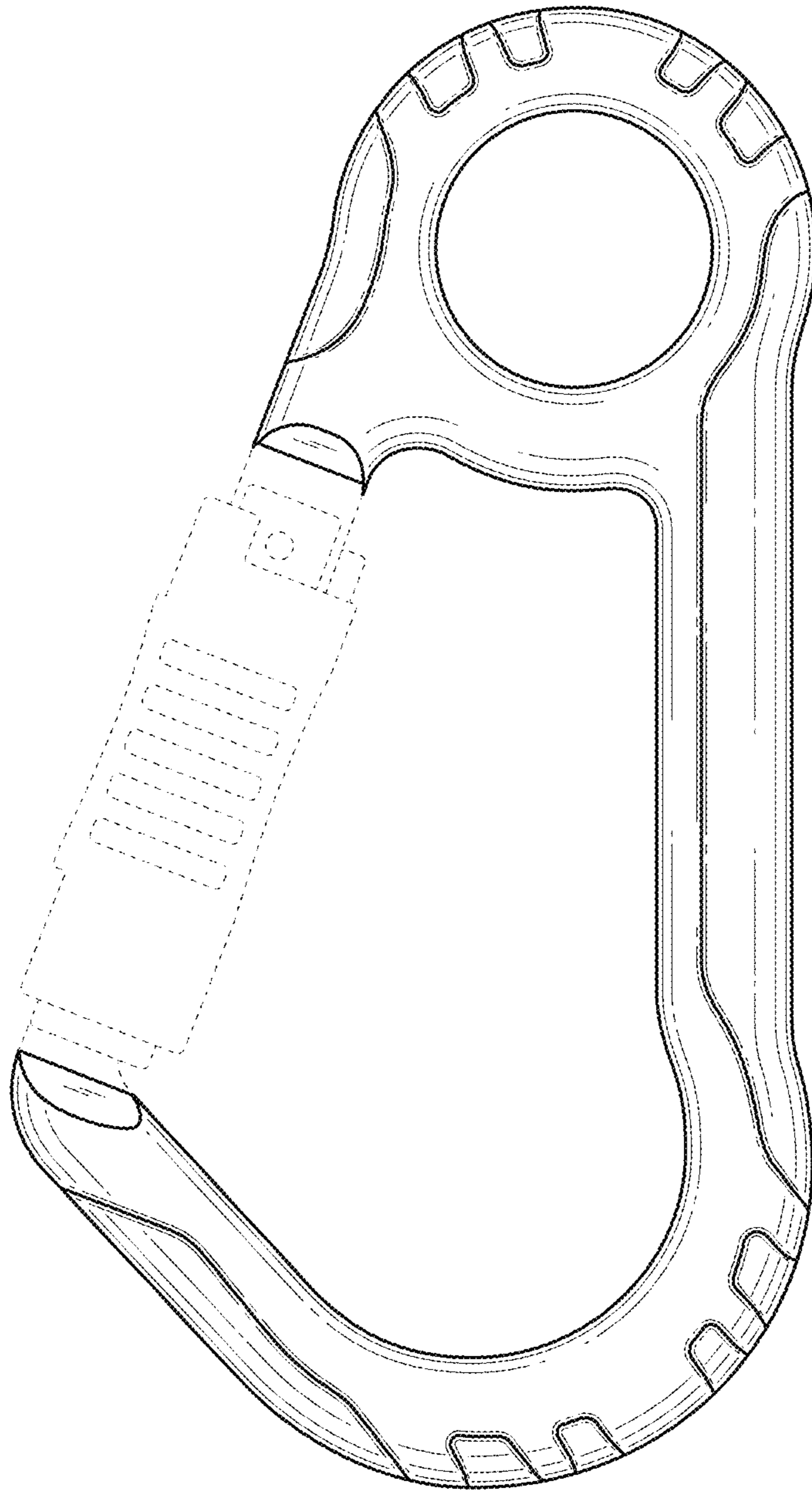


Fig. 3

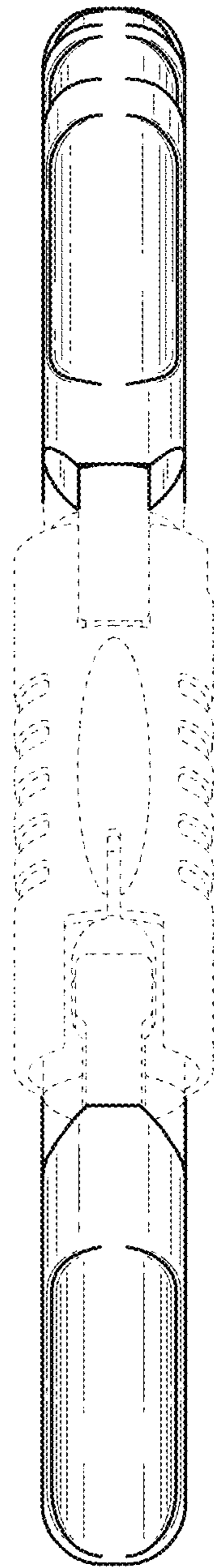


Fig. 4

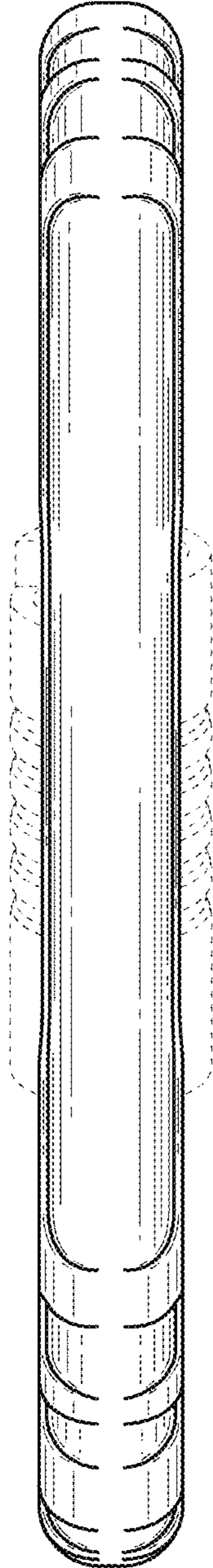


Fig. 5

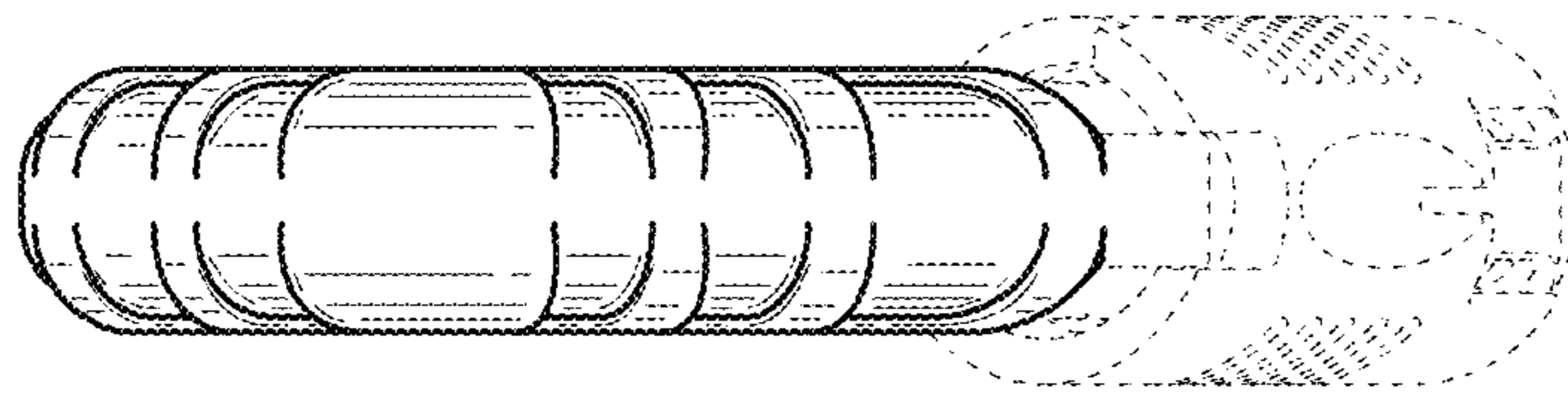


Fig. 6

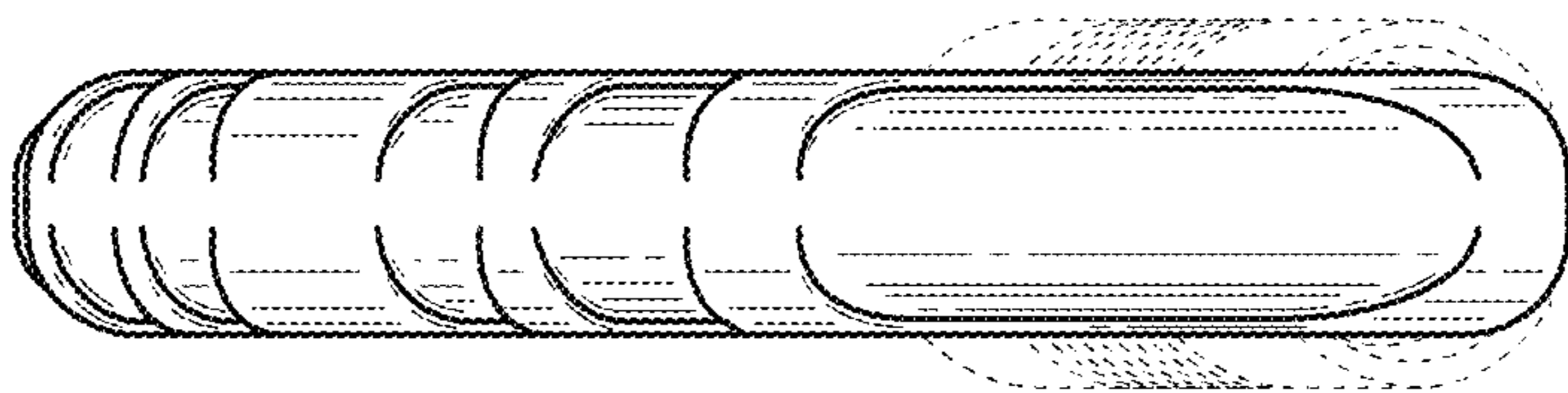


Fig. 7