



US00D613583S

(12) **United States Design Patent**
Abels

(10) **Patent No.:** **US D613,583 S**

(45) **Date of Patent:** **** *Apr. 13, 2010**

(54) **CARABINER**

4,785,495 A 11/1988 Dellis
4,811,467 A 3/1989 Lowe

(76) **Inventor:** **David L. Abels**, 112 Yeargen Pl., Chapel Hill, NC (US) 27516

(Continued)

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

FOREIGN PATENT DOCUMENTS

(21) **Appl. No.:** **29/336,431**

DE 2945831 A * 5/1980

(22) **Filed:** **May 4, 2009**

(Continued)

Related U.S. Application Data

OTHER PUBLICATIONS

(63) Continuation of application No. 12/016,275, filed on Jan. 18, 2008.

Absorbent, Ink., "Jumbo Carry-All Carabiner", Jun. 3, 2008, Publisher: Accessed online via <http://www.absorbentprinting.com/tools-and-knives/carabiners/carabiners/jumbo-carry-all-carabiner>.

(51) **LOC (9) Cl.** **08-05**

(Continued)

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

(58) **Field of Classification Search** D8/105, D8/107, 333, 349, 356, 358, 357, 373, 383; D11/200, 215; 24/573.11, 579.09, 579.11, 24/592.11, 599.1, 599.9, 600.1; 182/5

Primary Examiner—Susan Bennett Hattan

Assistant Examiner—Karen Acker

(74) *Attorney, Agent, or Firm*—Vincent K. Gustafson; Intellectual Property, Technology Law

See application file for complete search history.

(57) **CLAIM**

(56) **References Cited**

The ornamental design for a carabiner, as shown and described.

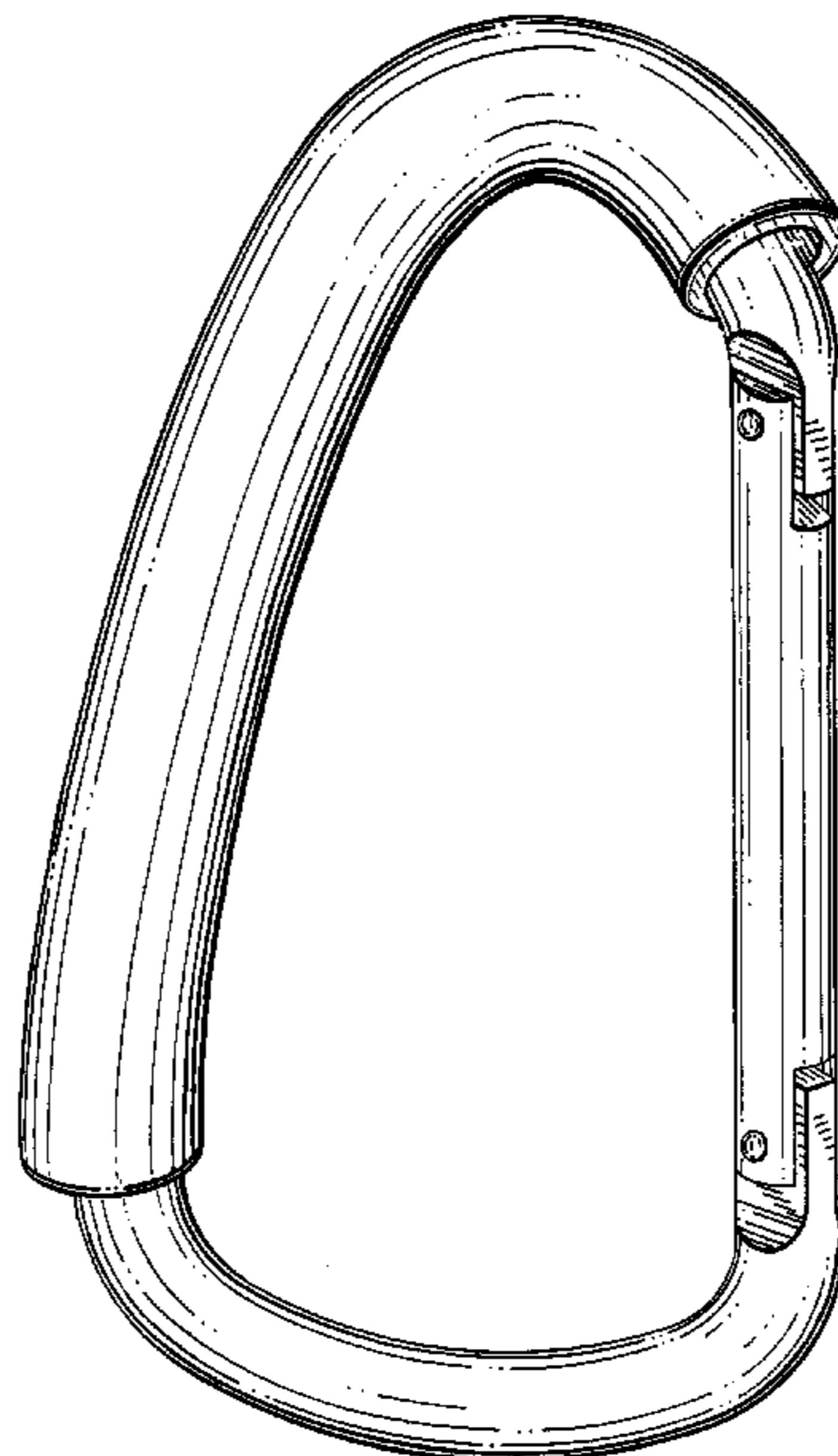
U.S. PATENT DOCUMENTS

DESCRIPTION

1,219,199 A	3/1917	Troop	
1,263,745 A	4/1918	Craven	
2,412,895 A	12/1946	Lewis	
2,492,991 A	1/1950	Hanna	
2,550,038 A	4/1951	Brown	
2,833,454 A	5/1958	McGee	
2,983,980 A	5/1961	Hamel	
3,120,403 A	2/1964	Molzan et al.	
3,358,340 A	12/1967	Higuchi	
3,563,430 A	2/1971	Forrest	
4,095,316 A	6/1978	Gabriel	
4,380,093 A	4/1983	Morgan	
D271,466 S	11/1983	Boissonnet	
4,556,245 A *	12/1985	Gruenwald 294/31.2
D282,904 S	3/1986	Faidide	

FIG. 1 is a perspective view of the carabiner of the invention. FIG. 2 is a front elevation view of the carabiner of FIG. 1; FIG. 3 is a top plan view of the carabiner of FIGS. 1–2; FIG. 4 is a left side elevation view of the carabiner of FIGS. 1–3; FIG. 5 is a right side elevation view of the carabiner of FIGS. 1–4; and, FIG. 6 is a bottom plan view of the carabiner of FIGS. 1–5.

1 Claim, 4 Drawing Sheets



U.S. PATENT DOCUMENTS

4,835,823 A 6/1989 Contat
 4,890,355 A 1/1990 Schulten
 4,930,194 A 6/1990 Frechin
 4,964,192 A 10/1990 Marui
 5,005,266 A 4/1991 Fister et al.
 5,010,850 A 4/1991 Sailer
 5,155,878 A 10/1992 Dellis
 D334,888 S * 4/1993 Merritt D9/455
 5,210,914 A 5/1993 Katsma
 5,263,755 A 11/1993 Thompson
 5,329,675 A 7/1994 McLean et al.
 5,357,657 A 10/1994 Petzl
 5,361,726 A 11/1994 Harris et al.
 5,441,323 A 8/1995 Goddard
 D369,549 S 5/1996 Meyers et al.
 5,517,949 A 5/1996 Harris et al.
 D371,023 S * 6/1996 Higgins D6/462
 D375,252 S 11/1996 Serra Fabregas
 5,577,304 A * 11/1996 Simond 24/588.1
 5,729,864 A 3/1998 Lie et al.
 5,738,401 A 4/1998 Fan
 D406,250 S 3/1999 Luk et al.
 5,878,834 A 3/1999 Brainerd et al.
 5,882,022 A 3/1999 Convertini et al.
 5,940,943 A * 8/1999 Kloster 24/588.1
 6,000,108 A 12/1999 Roan
 6,042,164 A * 3/2000 Merritt 294/28
 D432,027 S 10/2000 Fox et al.
 D433,312 S * 11/2000 Luquire D8/333
 6,148,483 A 11/2000 DeGraff
 D448,276 S 9/2001 Kelleghan
 6,338,463 B1 1/2002 Babitz et al.
 D474,095 S * 5/2003 Luquire D8/99
 D475,591 S 6/2003 Luquire
 6,606,769 B1 8/2003 Harris
 6,622,354 B1 9/2003 Klingier
 D483,647 S 12/2003 Lo
 6,688,259 B2 * 2/2004 Axel 119/792
 6,715,898 B1 4/2004 Huang
 6,802,480 B1 10/2004 Martello
 6,923,356 B2 * 8/2005 Reynolds 224/585
 D513,964 S 1/2006 Overthun et al.
 D519,410 S 4/2006 Luk et al.
 7,047,604 B2 5/2006 Axel
 7,097,223 B1 8/2006 Bradford
 D527,988 S * 9/2006 Shetler D8/356

D528,406 S 9/2006 Kramer
 7,114,196 B1 10/2006 Cicio
 7,140,326 B2 11/2006 Jenny et al.
 7,228,600 B1 6/2007 Selby et al.
 7,322,624 B2 1/2008 Murphy
 D565,392 S * 4/2008 Shetler D8/356
 D572,573 S 7/2008 Abels
 2001/0037542 A1 11/2001 Elliott
 2002/0092142 A1 7/2002 Schoen
 2003/0047953 A1 3/2003 Hechimovich et al.
 2003/0106190 A1 6/2003 Christianson
 2003/0110604 A1 6/2003 Kennard
 2003/0127477 A1 7/2003 Williams
 2004/0143945 A1 7/2004 Christianson
 2004/0231116 A1 11/2004 Goldberg
 2004/0250386 A1 12/2004 Goldberg
 2005/0028331 A1 2/2005 Axel
 2005/0057056 A1 3/2005 Davis
 2005/0081347 A1 4/2005 Goldberg
 2005/0229367 A1 10/2005 Thompson
 2005/0246874 A1 11/2005 Hsu
 2005/0275230 A1 12/2005 Barrett
 2005/0278907 A1 12/2005 DiMarchi et al.
 2006/0087139 A1 4/2006 Ayres
 2006/0137151 A1 6/2006 Thompson
 2006/0162138 A1 7/2006 Kimura
 2006/0168781 A1 8/2006 Axel
 2006/0261618 A1 11/2006 Schleucher
 2006/0273600 A1 12/2006 Rohlf
 2007/0018467 A1 1/2007 Schwartz
 2007/0062013 A1 * 3/2007 Mueller 24/599.1
 2008/0022497 A1 1/2008 Thompson
 2008/0185409 A1 8/2008 Kellenberger

FOREIGN PATENT DOCUMENTS

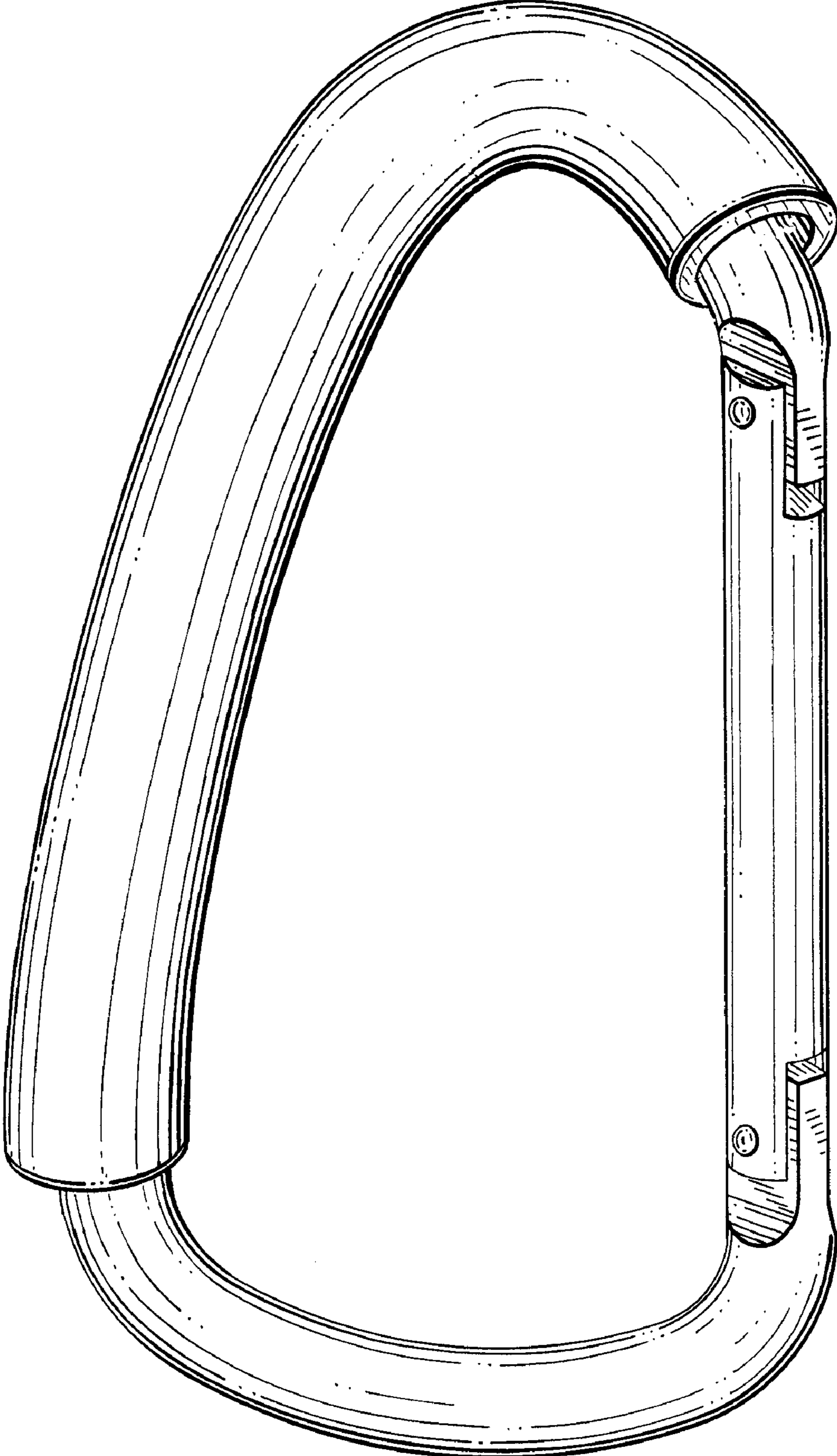
EP 1849502 A1 * 10/2007
 WO WO 9802668 A1 * 1/1998

OTHER PUBLICATIONS

Ebay Online Auction, "Lightweight Green Carabiner with Foam Handle", Feb. 14, 2007, Publisher: Accessed Online at: http://cgi.ebay.com/LIGHTWEIGHT-GREEN-CARABINER-WITH-FOAM-HANDLE_W0QQitemZ220092256791QQihZ012QQcategoryZ50814QQrdZ1QQcmdZViewItem.
 Home Depot, "Workforce Hangalls Jumbo Carabiner", May 15, 2008.

* cited by examiner

FIG. 1



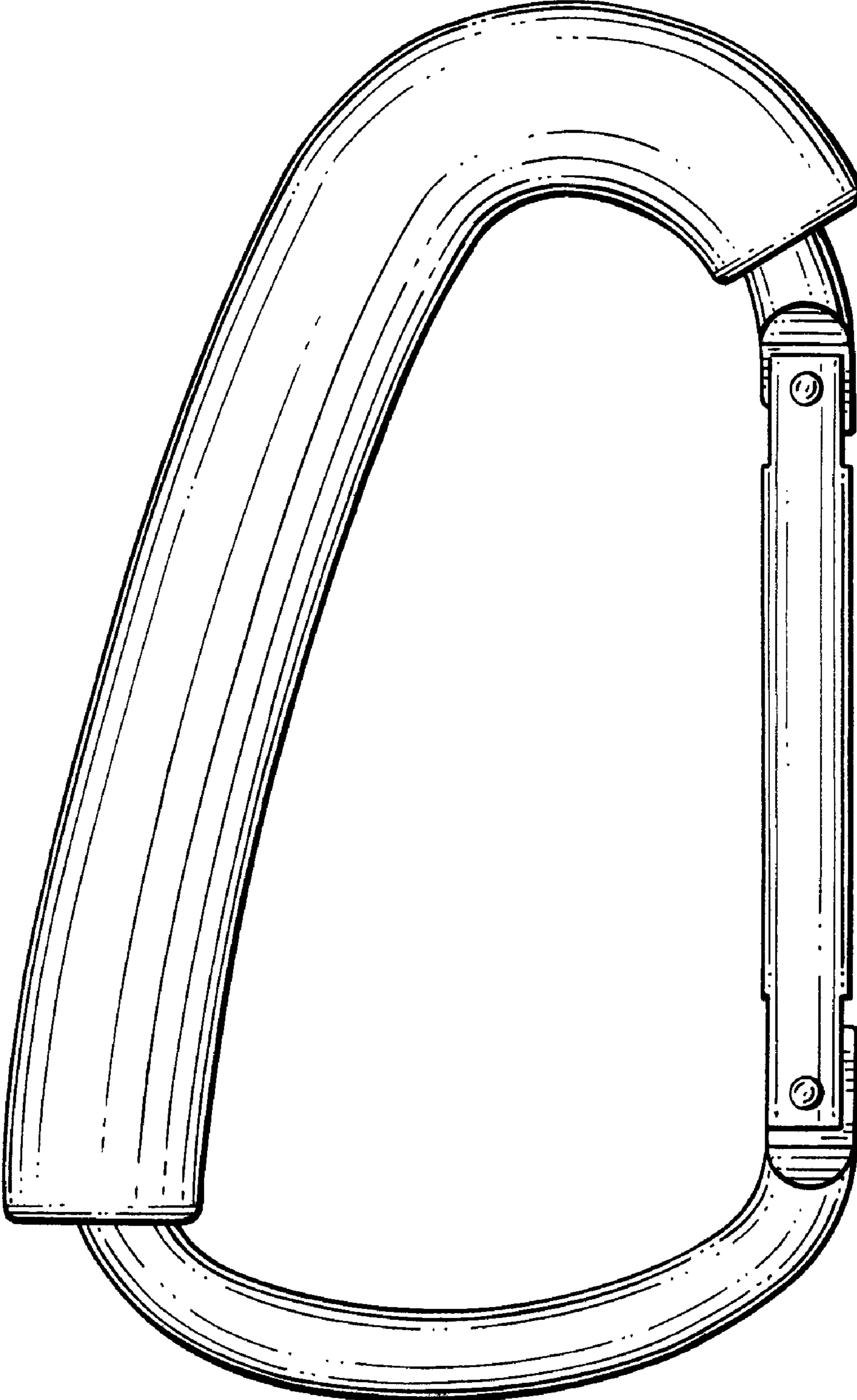


FIG.2

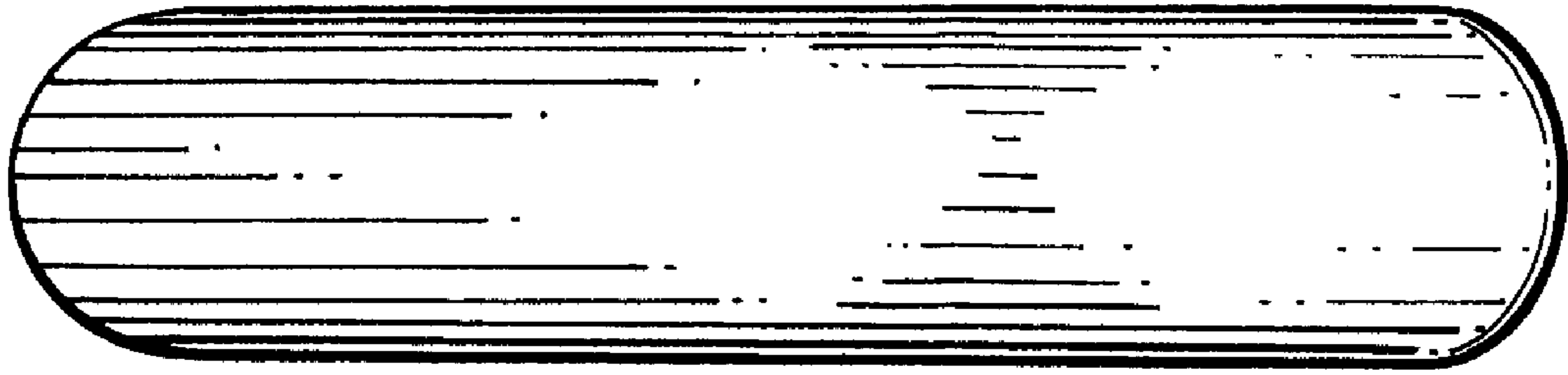


FIG. 3

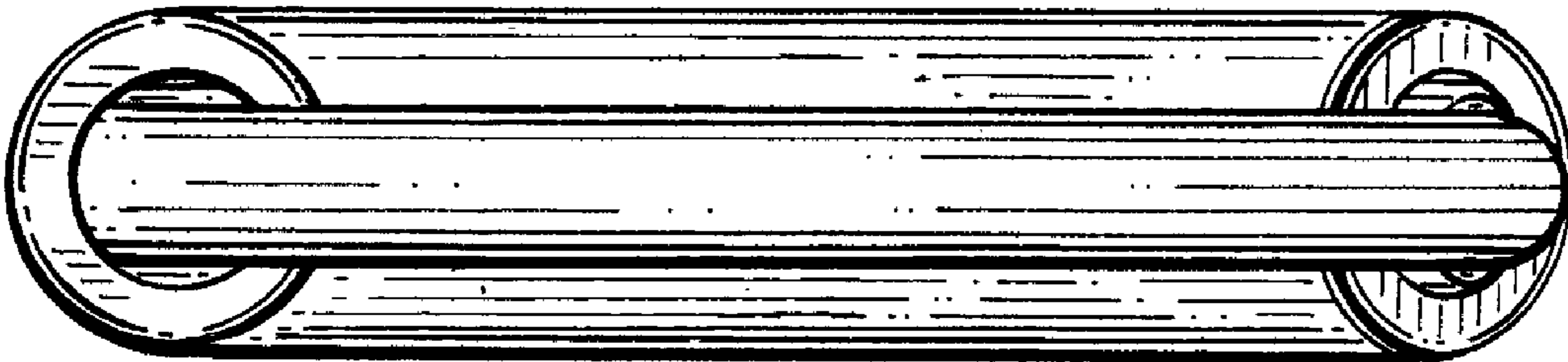


FIG. 6

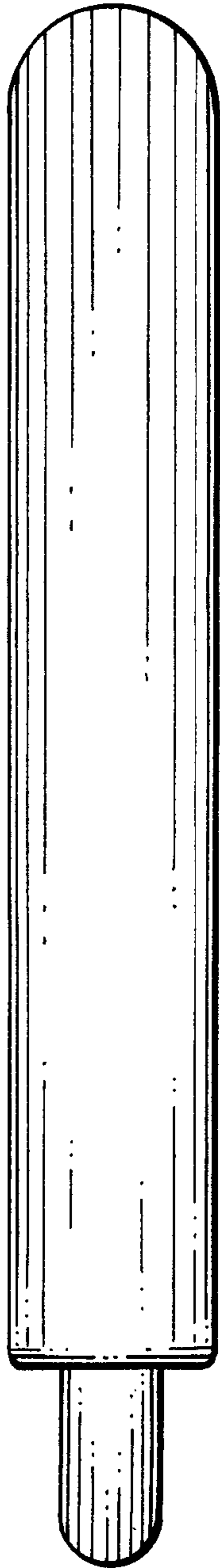


FIG. 4

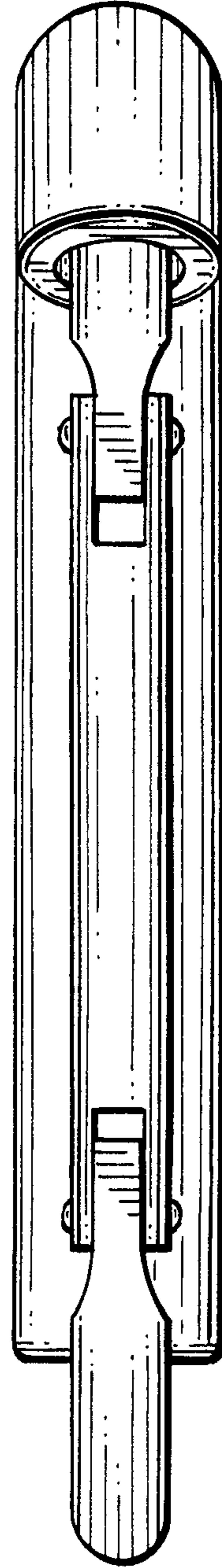


FIG. 5