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

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(45) **Date of Patent:** **** Jan. 5, 2016**

(54) **PAIR OF END CAPS FOR A CURTAIN ROD**

1,502,154 A 7/1924 Mueller
1,646,011 A 10/1927 Constantine
1,675,111 A 6/1928 Kenney

(71) Applicant: **Zenith Products Corporation**, New Castle, DE (US)

(Continued)

(72) Inventor: **Joseph Vaccaro**, West Chester, PA (US)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **Zenith Products Corporation**, New Castle, DE (US)

CH 625601 A5 9/1981
CN 2221357 Y 3/1996

(Continued)

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

OTHER PUBLICATIONS

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

(52) **U.S. Cl.**
USPC **D8/376**

(58) **Field of Classification Search**
USPC D8/383, 374, 300, 303, 313, 314, 394,
D8/396, 380, 373, 395, 363, 381, 44, 19,
D8/352, 370, 308, 372, 376, 384;
D13/133; D19/1; D22/108; D26/87;
D9/686, 687; D23/238; D6/300, 556,
D6/682, 325; D7/619.1
CPC F16B 12/44; F16B 12/46; F16B 5/0614;
F16B 12/02; E04B 1/2612; E04B 2001/2415;
E04B 1/5818; E04B 1/5831; A47B 88/0055;
E04F 11/1812

See application file for complete search history.

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Assistant Examiner — Eliza Bennett-Hattan

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(57) **CLAIM**

The ornamental design for a pair of end caps for a curtain rod, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a pair of end caps for a curtain rod in accordance with a preferred embodiment of my design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a front elevation view thereof;

FIG. 6 is a left side elevational view thereof;

FIG. 7 is a right side elevational view thereof; and,

FIG. 8 is a greatly enlarged perspective view of an endcap of the pair of end caps for a curtain rod in accordance with the preferred embodiment of my design.

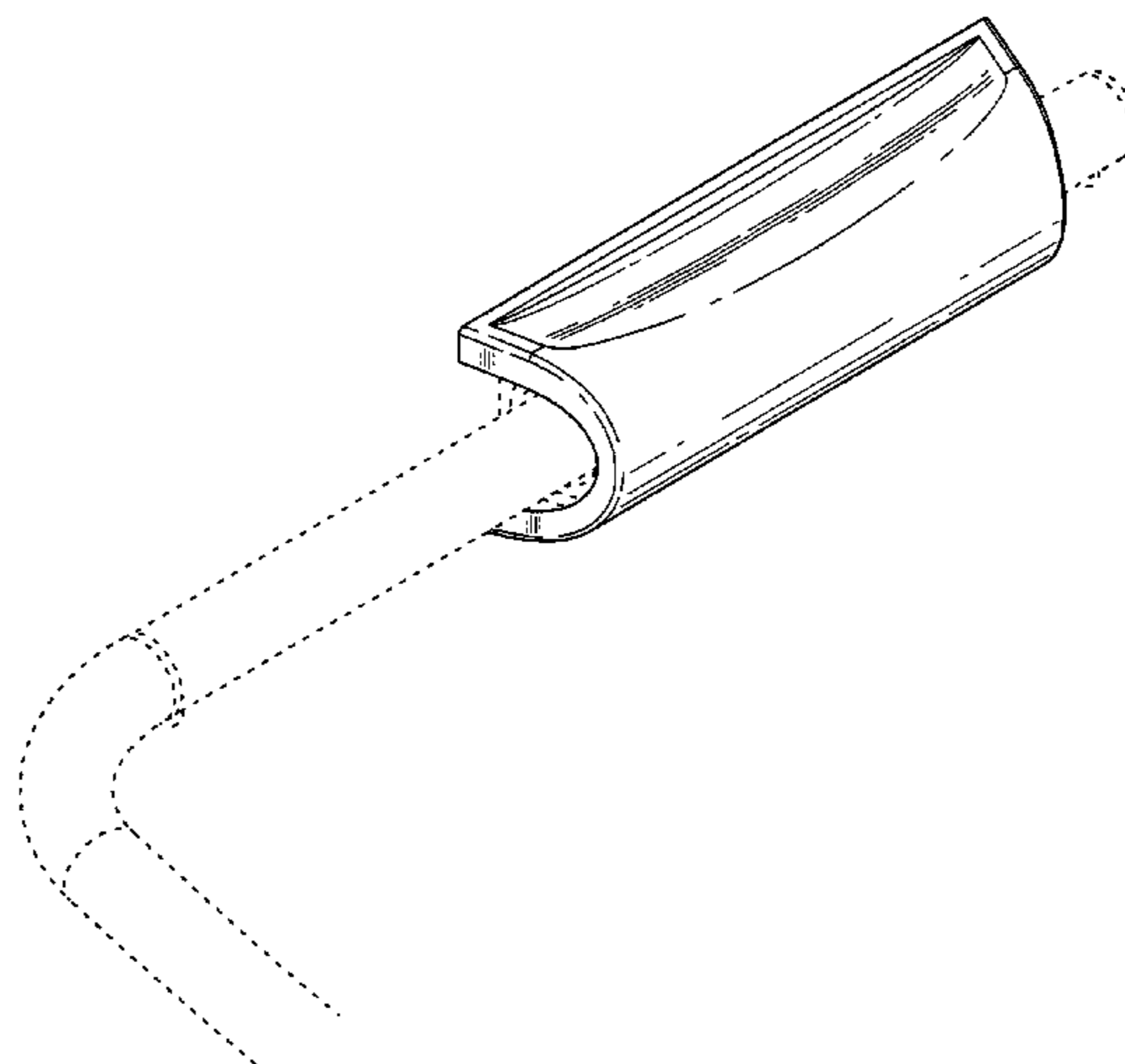
The broken lines in the figures are to illustrate environmental structure only and form no part of the claimed design.

1 Claim, 4 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

D19,582 S 1/1890 Lau
653,642 A 7/1900 Darling
839,959 A 1/1907 Richards
972,544 A 10/1910 Lathrop
1,253,486 A 1/1918 Hammer
1,299,556 A 4/1919 Hammer
1,481,730 A 1/1924 Oakley
1,487,017 A 3/1924 Lilja



(56)

References Cited

U.S. PATENT DOCUMENTS

1,679,881 A	8/1928	Simpson	5,022,104 A	6/1991	Miller
1,721,305 A	7/1929	Koering	5,056,753 A	10/1991	Lunau et al.
1,721,306 A	7/1929	Koering	5,103,531 A	4/1992	Perrotta
D81,134 S	5/1930	Henderson	D327,421 S	6/1992	Pagan
1,837,340 A	12/1931	Schwartz	5,189,759 A	3/1993	Poore
1,951,660 A	3/1934	Klaudt	5,216,766 A	6/1993	Lang
1,953,450 A	4/1934	Thompson	5,236,229 A	8/1993	Gonzalez
2,032,842 A	3/1936	Gould	5,242,065 A	9/1993	Hoban
2,131,156 A	9/1938	Yardley	5,263,594 A	11/1993	Bianchi
2,150,204 A	3/1939	Boye	5,281,063 A	1/1994	Austin, III
D119,576 S	3/1940	Kirsch	D347,784 S	6/1994	Warshawsky
2,194,064 A	3/1940	Boye	5,330,061 A	7/1994	Geltz
2,195,979 A	4/1940	Ziolkowski	5,433,551 A	7/1995	Gordon
2,199,851 A	5/1940	Culver	5,477,964 A	12/1995	Hart
2,215,331 A	9/1940	Marsh	5,484,056 A	1/1996	Wood
2,219,075 A	10/1940	Veau	D374,167 S	10/1996	Scholl
2,250,003 A	7/1941	Boye	5,561,870 A	10/1996	Hertel
2,263,698 A	11/1941	Hodgson	D376,312 S	12/1996	Cahn et al.
2,293,168 A	8/1942	Pirone	D377,753 S	2/1997	Meadows
2,383,104 A	8/1945	Allen	5,603,475 A	2/1997	Lim
2,458,643 A	1/1949	Riley	D379,297 S	5/1997	Shires
2,462,321 A	2/1949	Holmes	5,662,297 A	9/1997	Christensen et al.
2,519,996 A	8/1950	Blake	D385,177 S	10/1997	Perry
2,562,371 A	7/1951	Shannon	5,678,703 A	10/1997	Sawyer
2,594,605 A	4/1952	Zoppelt	D393,390 S	4/1998	Gottwald
2,608,420 A	8/1952	Eck	D397,928 S	9/1998	Wise
2,637,555 A	5/1953	Klaudt	5,803,643 A	9/1998	Patelli et al.
2,760,745 A	8/1956	McCleery	5,876,147 A	3/1999	Longo
2,778,030 A	1/1957	Goche	5,894,610 A	4/1999	Winter
2,796,227 A	6/1957	Coakley	D416,785 S	11/1999	Ming-Hsiao
2,870,918 A	1/1959	Brubbs	D423,337 S *	4/2000	Laga et al. D8/372
2,915,327 A	12/1959	Kreske	D423,338 S *	4/2000	Laga D8/372
2,919,134 A	12/1959	Zuro	D426,142 S	6/2000	Moore
2,927,762 A	3/1960	Owsiak	D429,461 S	8/2000	Rowlay
2,974,806 A	3/1961	Seewack	6,101,675 A	8/2000	Goldstein
3,023,909 A	3/1962	Henry	D431,460 S	10/2000	Nichol
3,079,005 A	2/1963	Bednar	D438,462 S	3/2001	Nichol
3,087,982 A *	4/1963	Hayes 174/546	6,199,808 B1	3/2001	Lin
3,107,361 A	10/1963	Glutting, Sr.	6,216,287 B1	4/2001	Wise
3,324,613 A	6/1967	Du Boff	6,263,523 B1	7/2001	Moore
3,333,808 A	8/1967	Du Boff	6,302,180 B1	10/2001	Yu
3,418,665 A	12/1968	Long	6,302,614 B1	10/2001	Tseng
3,429,452 A	2/1969	Johnson	6,305,558 B1	10/2001	Bates
3,493,121 A	2/1970	Doyle	D466,399 S	12/2002	Jessee et al.
3,504,805 A	4/1970	Doyle	6,543,629 B1	4/2003	Samelson
3,521,758 A	7/1970	Guilfoyle, Sr.	6,640,395 B2	11/2003	Bush
3,557,390 A	1/1971	Ruggles et al.	6,651,830 B2	11/2003	Pan
3,572,511 A	3/1971	Triplett	6,651,831 B2	11/2003	Samelson
3,687,499 A	8/1972	Guilfoyle, Sr.	D483,251 S	12/2003	Suero, Jr.
3,836,174 A	9/1974	Holman, Jr.	6,694,543 B2	2/2004	Moore
3,864,760 A	2/1975	Bowen	6,715,163 B1	4/2004	Cunningham
D237,356 S *	10/1975	Andrews D8/363	D489,249 S	5/2004	Moore
3,965,960 A	6/1976	Massey	6,745,909 B1	6/2004	Lai
D248,434 S	7/1978	Clivio et al.	D498,663 S	11/2004	Moore
4,117,557 A	10/1978	McPeak et al.	6,824,000 B2	11/2004	Samelson
4,229,842 A	10/1980	Gilmore	6,845,955 B1	1/2005	Hsu
4,238,164 A	12/1980	Mazzolla	6,862,776 B2	3/2005	Chen
4,329,076 A	5/1982	Coreth	6,883,664 B2	4/2005	Lee
4,378,071 A	3/1983	Yakimicki	D506,920 S	7/2005	Taylor
4,399,917 A	8/1983	Ohman	6,913,156 B1	7/2005	Wolff
4,461,056 A	7/1984	Solinski	7,024,706 B2	4/2006	Hess
4,496,059 A	1/1985	Leiter	D522,845 S	6/2006	Suero
4,586,615 A	5/1986	Quitmann	D522,846 S	6/2006	Suero, Jr.
4,635,889 A	1/1987	Bell et al.	D522,847 S	6/2006	Suero, Jr.
4,636,106 A	1/1987	Waisbrod	7,055,680 B2	6/2006	Liebers
4,650,383 A	3/1987	Hoff	D525,115 S	7/2006	Harwanko
4,653,714 A	3/1987	Andrasko, Jr.	7,076,815 B2	7/2006	Orpilla
4,662,593 A	5/1987	Shames et al.	7,111,336 B1	9/2006	Lai
4,700,918 A	10/1987	Andrasko, Jr.	D534,062 S	12/2006	van den Bosch
D293,297 S	12/1987	Wood	D542,125 S	5/2007	Kaminski
4,754,504 A	7/1988	Cellini	D542,897 S	5/2007	Harwanko
4,809,401 A	3/1989	Honig	D543,754 S	6/2007	Bauer et al.
D301,976 S	7/1989	Greenhut et al.	D543,756 S	6/2007	Gilbert
4,895,471 A	1/1990	Geltz et al.	D543,839 S	6/2007	Cooper et al.
4,979,713 A	12/1990	Bell	D544,786 S	6/2007	Barrese
			D547,165 S	7/2007	Barrese
			D550,542 S	9/2007	Worrall et al.
			D552,455 S	10/2007	Moore
			7,296,772 B2	11/2007	Wang

(56)

References Cited

U.S. PATENT DOCUMENTS

D557,590 S 12/2007 Moore
 D563,209 S 3/2008 Samelson
 D563,526 S 3/2008 Bauer
 7,346,940 B1 3/2008 Liao
 D565,937 S 4/2008 Tsai
 D567,637 S 4/2008 Moore
 D576,022 S 9/2008 Goldstein
 D577,991 S 10/2008 Chen
 D586,647 S 2/2009 Didehvar
 7,512,997 B2 4/2009 Dewees
 7,597,297 B2 10/2009 Isfeld et al.
 D618,542 S 6/2010 Bertken
 7,762,508 B2 7/2010 Xu
 D624,807 S 10/2010 Barrese
 D624,808 S 10/2010 Krawczak et al.
 7,857,151 B2 12/2010 Barrese
 D631,273 S 1/2011 O'Brien et al.
 D631,732 S 2/2011 Krawczak et al.
 D633,780 S 3/2011 Barrese
 D634,609 S 3/2011 Bauer
 D636,660 S 4/2011 O'Connell
 7,926,127 B2 4/2011 Barrese
 7,950,534 B2 5/2011 Kao
 D640,078 S 6/2011 Gilbert
 7,958,577 B2 6/2011 Chang
 7,987,532 B2 8/2011 Bathurst et al.
 7,987,534 B2 8/2011 Lin
 7,997,428 B2 8/2011 Goldstein
 8,015,633 B2 9/2011 Ho
 D648,619 S 11/2011 Lowe
 D648,834 S 11/2011 Gilbert
 8,056,873 B1 11/2011 Hanley et al.
 D650,263 S 12/2011 Barrese
 8,069,507 B2 12/2011 Didehvar et al.
 8,069,508 B2 12/2011 O'Connell
 8,146,182 B2 4/2012 Bauer
 8,185,981 B2 5/2012 Didehvar et al.
 8,205,760 B2 6/2012 Chang
 8,214,938 B2 7/2012 Hanley et al.
 8,215,501 B2 7/2012 Trettin et al.
 8,215,863 B2 7/2012 Sohn
 D667,295 S 9/2012 Harwanko
 8,297,870 B2 10/2012 Lenhart
 D670,556 S * 11/2012 Napier et al. D8/376
 D671,395 S 11/2012 Harwanko
 8,341,775 B2 1/2013 Didehvar
 8,505,129 B2 8/2013 Parker et al.
 8,505,749 B2 8/2013 Trettin et al.
 8,522,373 B2 9/2013 Bauer
 D691,030 S 10/2013 Lindo et al.
 D696,573 S * 12/2013 Didehvar D8/376
 8,800,072 B2 8/2014 Chang
 8,827,587 B2 9/2014 Didehvar
 8,851,305 B2 10/2014 Didehvar
 2002/0084394 A1 7/2002 Barrett
 2003/0034316 A1 2/2003 Kao
 2003/0052070 A1 3/2003 Weisenburger
 2004/0178310 A1 9/2004 Marion
 2004/0182806 A1 9/2004 Figueroa
 2005/0053423 A1 3/2005 Doubler et al.
 2005/0230587 A1 10/2005 Yang
 2005/0268394 A1 12/2005 Monk et al.
 2006/0070177 A1 4/2006 Bathurst et al.
 2006/0156465 A1 7/2006 Lavi et al.
 2006/0218717 A1 10/2006 van den Bosch
 2007/0006377 A1 1/2007 Moore
 2007/0006378 A1 1/2007 Moore
 2007/0174956 A1 8/2007 Heaslip
 2008/0022451 A1 1/2008 Urlich et al.
 2008/0028513 A1 2/2008 Didehvar
 2008/0115265 A1 5/2008 Heaslip
 2008/0184479 A1 8/2008 Bathurst
 2008/0210827 A1 9/2008 Samelson
 2008/0245486 A1 10/2008 Brown
 2008/0245940 A1 10/2008 Brown

2008/0282464 A1 11/2008 Bauer
 2008/0289096 A1 11/2008 Patel
 2009/0083905 A1 4/2009 O'Connell
 2009/0242713 A1 10/2009 Lowe et al.
 2011/0011813 A1 1/2011 Kao
 2011/0113547 A1 5/2011 O'Connell
 2012/0005823 A1 1/2012 Baines
 2012/0023657 A1 2/2012 Didehvar et al.
 2012/0036628 A1 2/2012 O'Connell
 2012/0110729 A1 5/2012 Baines
 2012/0123896 A1 5/2012 Prodanovic et al.
 2012/0152872 A1 6/2012 Didehvar
 2012/0152873 A1 6/2012 Didehvar
 2012/0152874 A1 6/2012 Didehvar
 2012/0167368 A1 7/2012 Napier et al.
 2012/0241399 A1 9/2012 Trettin et al.
 2012/0261370 A1 10/2012 Chuang
 2012/0284914 A1 11/2012 Bauer
 2012/0285914 A1 11/2012 Carney

FOREIGN PATENT DOCUMENTS

CN 2228573 Y 6/1996
 CN 2349932 Y 11/1999
 CN 2566754 Y 8/2003
 CN 2705648 Y 6/2005
 CN 2835679 Y 11/2006
 CN 2893271 Y 4/2007
 CN 2902096 Y 5/2007
 CN 201001603 Y 1/2008
 CN 201187499 Y 1/2009
 CN 201189069 Y 2/2009
 CN 201363343 y 12/2009
 DE 2051383 A1 5/1971
 DE 2460382 C2 4/1986
 DE 3539449 A1 5/1987
 DE 3539449 C2 7/1992
 EP 58405 A1 8/1982
 EP 58405 B1 5/1985
 FR 499003 A 1/1920
 FR 2066283 A5 8/1971
 GB 1333384 A 10/1973
 GB 2325397 A 11/1998
 GB 2400813 A 10/2004
 GB 2426693 A 12/2006
 JP 2000-046021 A 2/2000
 JP 2001-112561 A 4/2001
 JP 2004-036803 A 2/2004
 JP 2004-057213 A 2/2004

OTHER PUBLICATIONS

Office Action issued Jan. 7, 2015 in U.S. Appl. No. 14/465,355 by Didehvar.
 English translation of an Office Action issued Dec. 9, 2014 in CN Application No. 201110461894.0.
 "Masterform Tool Company; Clevis Brackets", web page printout date: Feb. 11, 2010; original web posting date and product availability date: unknown, 1 page. retrieved from: <http://www.masterformtool.com/catalog.asp?category=2&class=11&subclass=0&part=0>.
 "Medium—to Heavy-Duty Repairable Cylinders", Aro—20546 Clevis Bracket, SKU—40769, web page printout date: Feb. 11, 2010; original web posting date: unknown, 1 page. retrieved from: http://www.drillspot.com/products/40400/ingersoll-rand_20547_clevis_bracket.
 "Clevis Bracket, Material: Forging, Weldment, or Ductile Iron", web page printout date: Feb. 11, 2010; original web posting date: unknown, 1 page. retrieved from: <http://www.aggressivehydraulics.com/products/cylinder-component-parts/mounts/>.
 "Stanless Steel Curved Shower Rod, 1"x5"; web page printout date: Feb. 10, 2010; original web posting date: unknown, 1 page. retrieved from: <http://plumbing.hardwarestore.com/51-283-shower-rods-and-holders/stanless-steel-curved-shower-rod-609421.aspx>.
<http://www.amazon.com/Polder-Radial-Duo-Shower-Rod/dp/B001CEONRY>; Polder Radial Duo Shower Rod, web page printout date: Jun. 2, 2011; original web posting date and product availability date: unknown, 3 pages.

(56)

References Cited

OTHER PUBLICATIONS

JCPenney, "Curved Smart Shower Rod", retrieved from <http://www.jcpenny.com/curved-smart-shower-curtain-rod/prod.jump?ppId=pp5002324584&cmvc=JCP|dept20000012|cat100250092|RICHREL&grView=&eventRootCatId=¤tTabCatId=®Id=>.

Office Action issued Mar. 18, 2015 in CA Application No. 2,668,653.

Office Action issued Apr. 9, 2015 in U.S. Appl. No. 13/676,800 by Didehvar.

"Masterform Tool Company; Clevis Brackets", web page printout date: Feb. 11, 2010; original web posting date and product availability date: unknown, 1 page. (admitted prior art), retrieved from: <http://www.masterformtool.com/catalog.asp?category=2&class=11&subclass=0&part=0>.

"Medium—to Heavy-Duty Repairable Cylinders", Aro-20546 Clevis Bracket, SKU-40769, web page printout date: Feb. 11, 2010; original web posting date: unknown, 1 page. (admitted prior art), retrieved from: http://www.drillspot.com/products/40400/ingersoll-rand_20547_clevis_bracket.

"Clevis Bracket, Material: Forging, Weldment, or Ductile Iron", web page printout date: Feb. 11, 2010; original web posting date: unknown, 1 page. (admitted prior art), retrieved from: <http://www.aggressivehydraulics.com/products/cylinder-component-parts/mounts/>.

"Stainless Steel Curved Shower Rod, 1" x 5'"; web page printout date: Feb. 10, 2010; original web posting date: unknown, 1 page. (admitted prior art), retrieved from: <http://plumbing.hardwarestore.com/51-283-shower-rods-andholders/stainless-steel-curved-shower-rod-609421.aspx>.

Office Action issued Jul. 8, 2011 in U.S. Appl. No. 11/833,044 by Didehvar.

U.S. Appl. No. 13/253,617 by Didehvar, filed Oct. 5, 2011.

Office Action issued Dec. 11, 2012 in U.S. Appl. No. 29/381,234 by Didehvar.

Notice of Allowance issued Jul. 24, 2012 in U.S. Appl. No. 29/422,283 by Harwanko.

U.S. Appl. No. 29/398,880 by Lindo, filed Aug. 5, 2011.

Office Action issued Feb. 16, 2012 in U.S. Appl. No. 13/253,617 by Didehvar.

U.S. Appl. No. 29/381,234 by Didehvar, filed Dec. 16, 2010.

U.S. Appl. No. 29/390,736 by Harwanko, filed Apr. 28, 2011.

U.S. Appl. No. 13/676,800 by Didehvar, filed Nov. 14, 2012.

U.S. Appl. No. 13/676,802 by Didehvar, filed Nov. 14, 2012.

Office Action issued Jul. 20, 2011 in U.S. Appl. No. 12/157,376 by Didehvar.

Office Action issued Nov. 22, 2011 in U.S. Appl. No. 12/157,376 by Didehvar.

U.S. Appl. No. 29/437,013 by Didehvar, filed Nov. 12, 2012.

U.S. Appl. No. 29/443,578 by Lindo, filed Jan. 18, 2013.

<http://www.amazon.com/Polder-Radial-Duo-Shower-Rod/dp/B0010EONRY>; Polder Radial Duo Shower Rod, web page printout date: Jun. 2, 2011; original web posting date and product availability date: unknown, 3 pages.

U.S. Appl. No. 29/398,881 by Walker, filed Aug. 5, 2011.

JCPenney, "Curved Smart Shower Rod", retrieved from <http://www.jcpenny.com/curved-smartshower-curtain-rod/prod.jump?ppId=pp5002324584&cmvc=JCP|dept20000012|cat100250092|RICHREL&grView=&eventRootCatId=¤tTabCatId=®Id=>.

Photograph of Curved Shower Rod by Hardware Resources.

Photograph of a curved shower rod distributed by Popular Bath Products, Inc.

Photographs of Tension Rod With End Cap and Cover (1)—Date Unknown.

Photographs of Tension Rod With End Cap and Cover (2)—Date Unknown.

Office Action issued Dec. 14, 2012 in U.S. Appl. No. 13/269,108 by Didehvar.

U.S. Appl. No. 13/752,724 by Lindo, filed Jan. 29, 2013.

Three photographs of Maytex Mills "EZ-Up" tension rod (date unknown).

Office Action issued Apr. 2, 2013 in U.S. Appl. No. 29/437,013 by Didehvar.

U.S. Appl. No. 29/451,499 by Harwanko, filed Apr. 3, 2013.

U.S. Appl. No. 13/911,191 by Didehvar, filed Jun. 6, 2013.

Office Action issued Jun. 21, 2013 in U.S. Appl. No. 13/752,724 by Lindo.

Office Action issued Jul. 8, 2013 in U.S. Appl. No. 13/269,108 by Didehvar.

Office Action issued Oct. 4, 2013 in U.S. Appl. No. 13/268,712 by Didehvar.

Office Action issued Oct. 11, 2013 in U.S. Appl. No. 13/269,030 by Didehvar.

Office Action issued Nov. 29, 2013 in U.S. Appl. No. 13/268,712 by Didehvar.

Office Action issued Dec. 6, 2013 in U.S. Appl. No. 13/269,108 by Didehvar.

Office Action issued Dec. 27, 2013 in U.S. Appl. No. 13/752,724 by Lindo.

Office Action issued Sep. 24, 2015 in U.S. Appl. No. 17/465,370 by Didehvar

U.S. Appl. No. 14/258,546 by Vaccaro, filed Apr. 22, 2014.

Office Action issued Jul. 2, 2014 in U.S. Appl. No. 13/269,108 by Didehvar.

Office Action issued Aug. 28, 2015 in MX Application No. MX/a/2013/013278.

U.S. Appl. No. 14/465,370 by Didehvar, filed Aug. 21, 2014.

U.S. Appl. No. 14/465,355 by Didehvar, filed Aug. 21, 2014.

U.S. Appl. No. 14/522,226 by Walker, filed Oct. 23, 2014.

U.S. Appl. No. 29/506,250 by Walker, filed Oct. 14, 2014.

Office Action issued Aug. 20, 2014 in U.S. Appl. No. 13/911,191 by Didehvar.

* cited by examiner

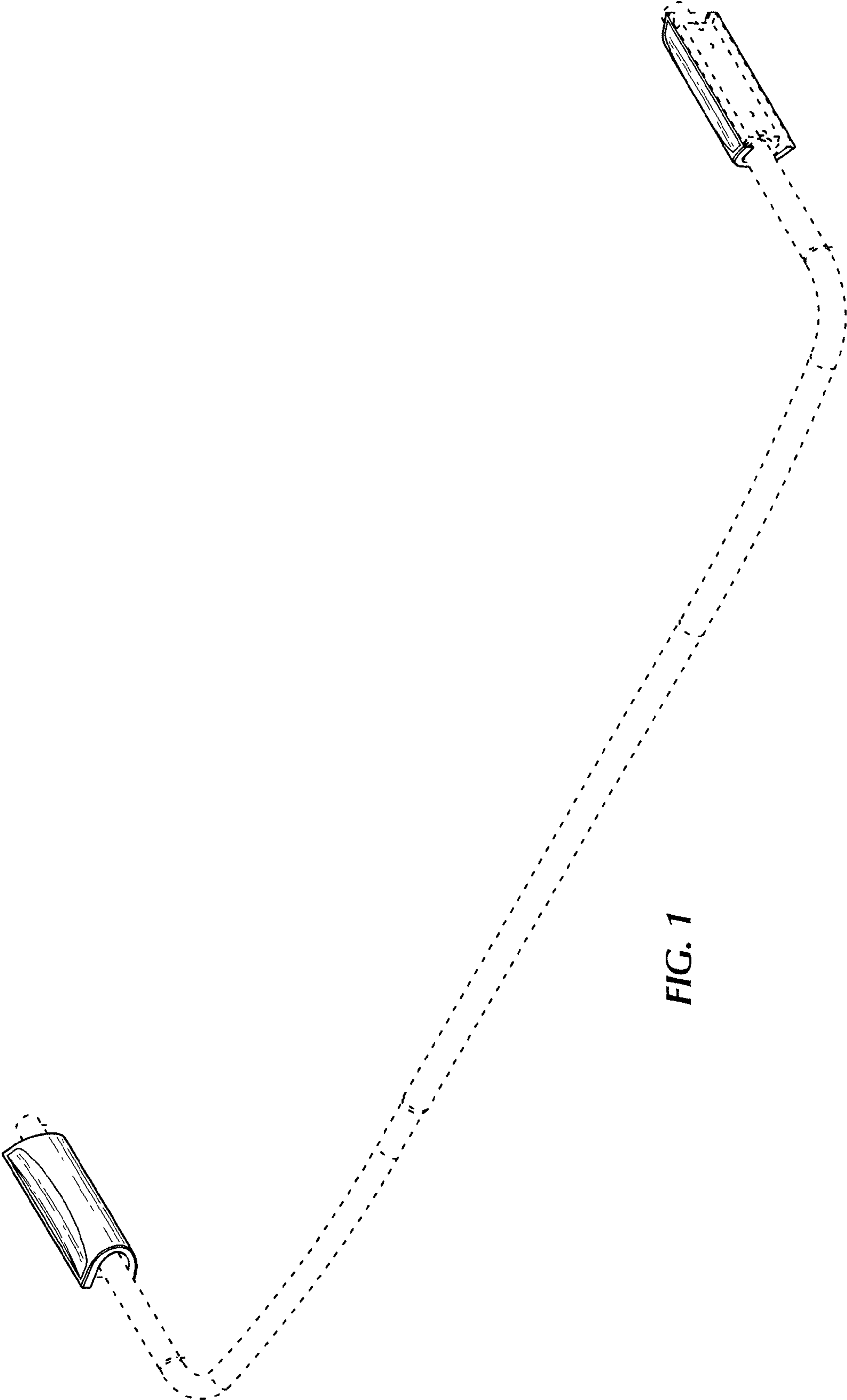


FIG. 1

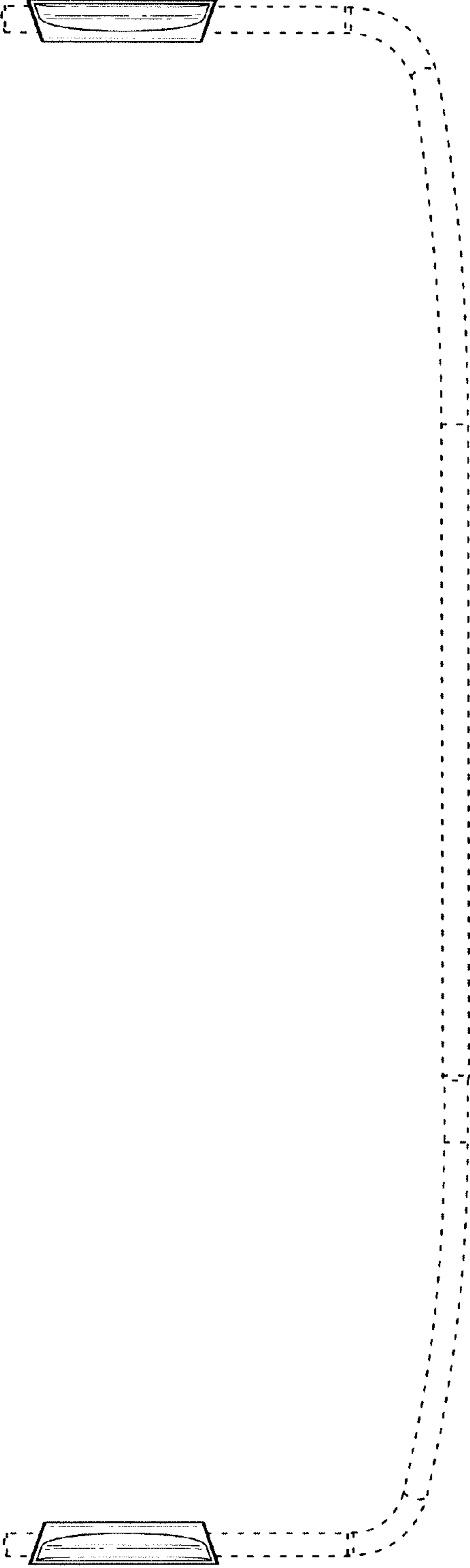


FIG. 2

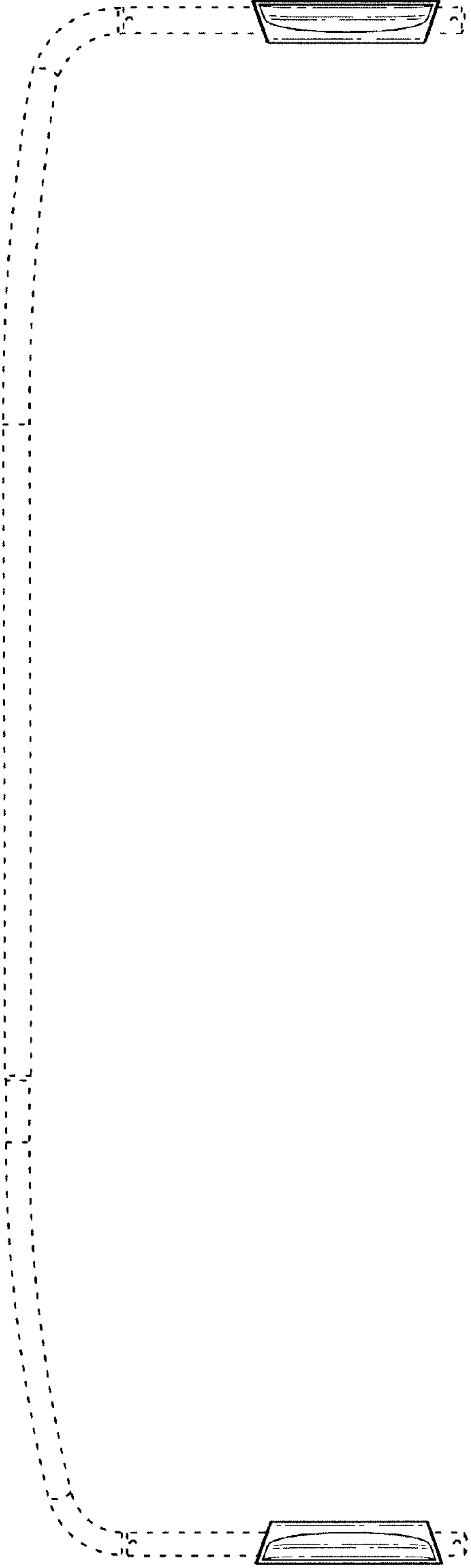


FIG. 3

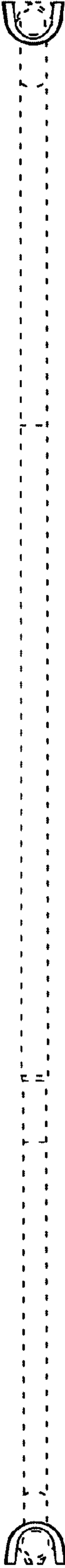


FIG. 4

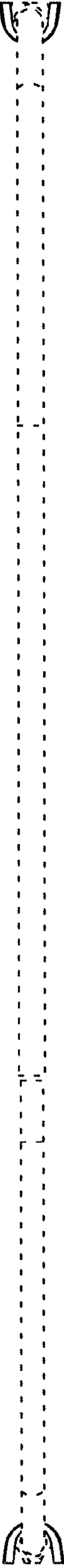


FIG. 5



FIG. 6

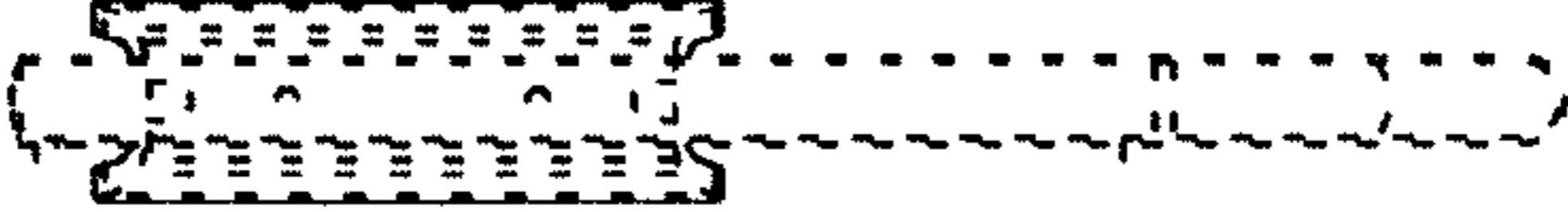


FIG. 7

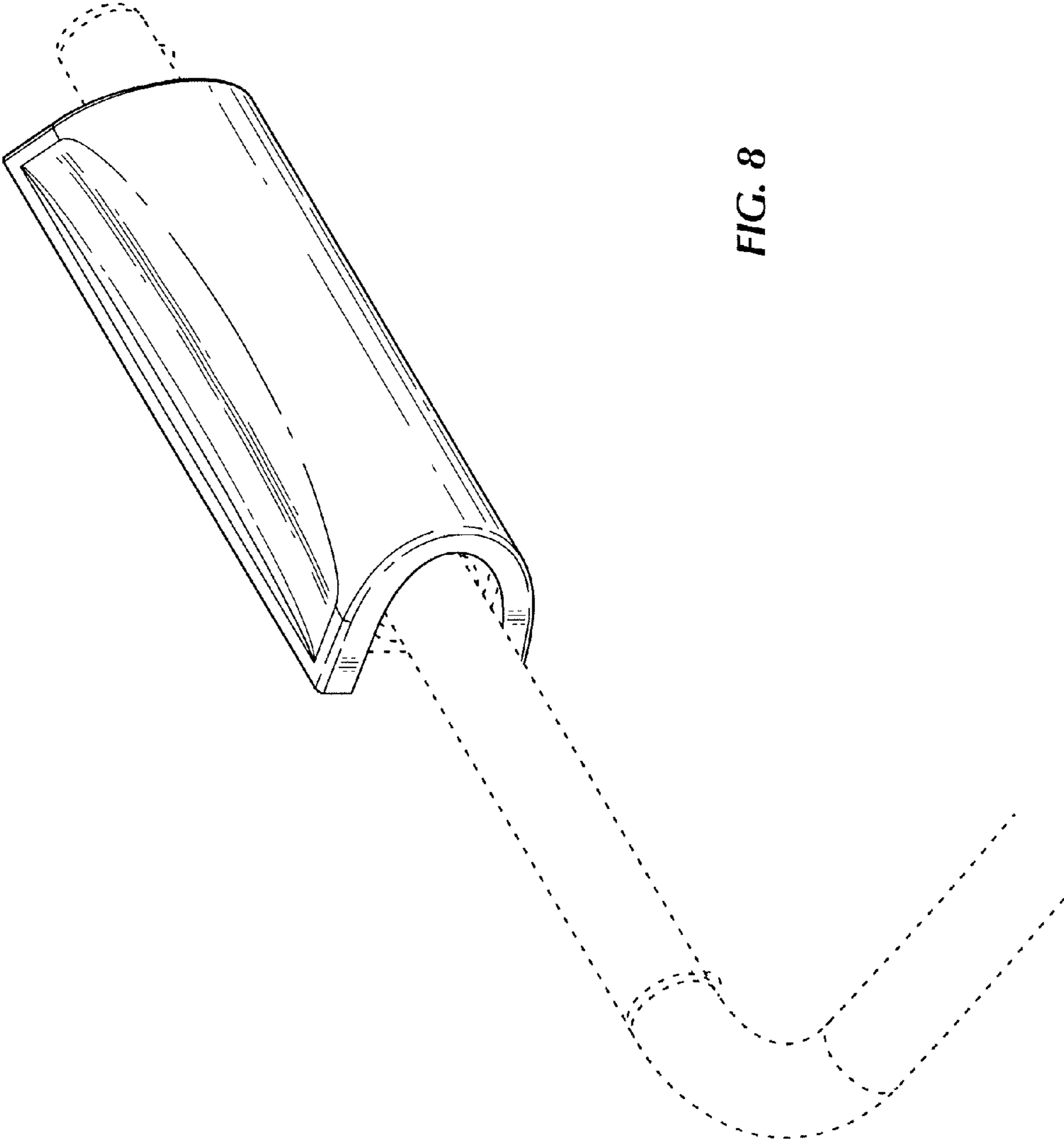


FIG. 8