



US00D695100S

(12) **United States Design Patent**  
**Whitaker et al.**

(10) **Patent No.:** **US D695,100 S**  
(45) **Date of Patent:** **\*\* Dec. 10, 2013**

(54) **CLAMP FOR A SANITARY FITTING**

(75) Inventors: **Carl T. Whitaker**, Berthoud, CO (US);  
**Ken Davis**, Longmont, CO (US);  
**Francis J. Lombardi, III**, Erie, CO  
(US); **Richard W. Cairns**, Longmont,  
CO (US)

(73) Assignee: **Nordson Corporation**, Westlake, OH  
(US)

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

(21) Appl. No.: **29/404,289**

(22) Filed: **Oct. 18, 2011**

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

(52) **U.S. Cl.**  
USPC ..... **D8/396**

(58) **Field of Classification Search**  
USPC ..... D8/394-396, 356, 383; 24/16 PB,  
24/17 AP, 30.5 P, 30.5 S, 300-302, 339,  
24/DIG. 16; 248/58, 60, 74.3  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

144,997 A 11/1873 Mayall  
422,945 A 3/1890 Jones

(Continued)

FOREIGN PATENT DOCUMENTS

DE 2265495 4/1980  
DE 3215382 10/1983

(Continued)

OTHER PUBLICATIONS

International Search Report and Written Opinion dated May 8, 2012,  
PCT/US2012/028136, 12 pages.

(Continued)

*Primary Examiner* — John Windmuller

(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

(57) **CLAIM**

We claim the ornamental design for a clamp for a sanitary fitting, substantially as shown and described.

**DESCRIPTION**

FIG. 1 is a bottom-front isometric view of a clamp for a sanitary fitting in an open configuration.

FIG. 2 is a top-left isometric view of the clamp for a sanitary fitting of FIG. 1.

FIG. 3 is a front elevation view of the clamp for a sanitary fitting of FIG. 1.

FIG. 4 is a rear elevation view of the clamp for a sanitary fitting of FIG. 1.

FIG. 5 is a right side elevation view of the clamp for a sanitary fitting of FIG. 1.

FIG. 6 is a left side elevation view of the clamp for a sanitary fitting of FIG. 1.

FIG. 7 is a top plan view of the clamp for a sanitary fitting of FIG. 1.

FIG. 8 is a bottom plan view of the clamp for a sanitary fitting of FIG. 1.

FIG. 9 is a bottom-front isometric view of the clamp for a sanitary fitting in a closed configuration.

FIG. 10 is a front elevation view of the clamp for a sanitary fitting of FIG. 9.

FIG. 11 is a rear elevation view of the clamp for a sanitary fitting of FIG. 9.

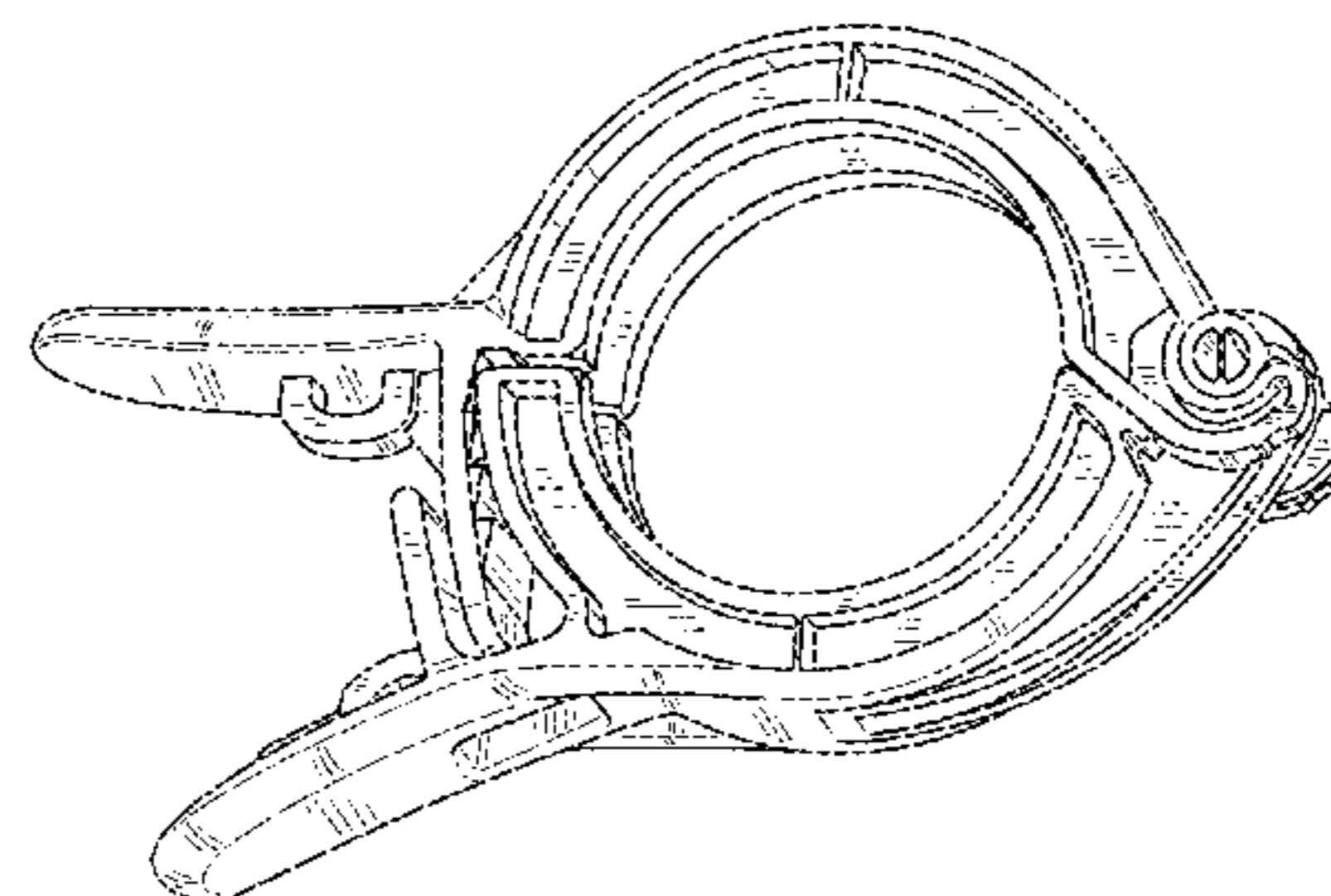
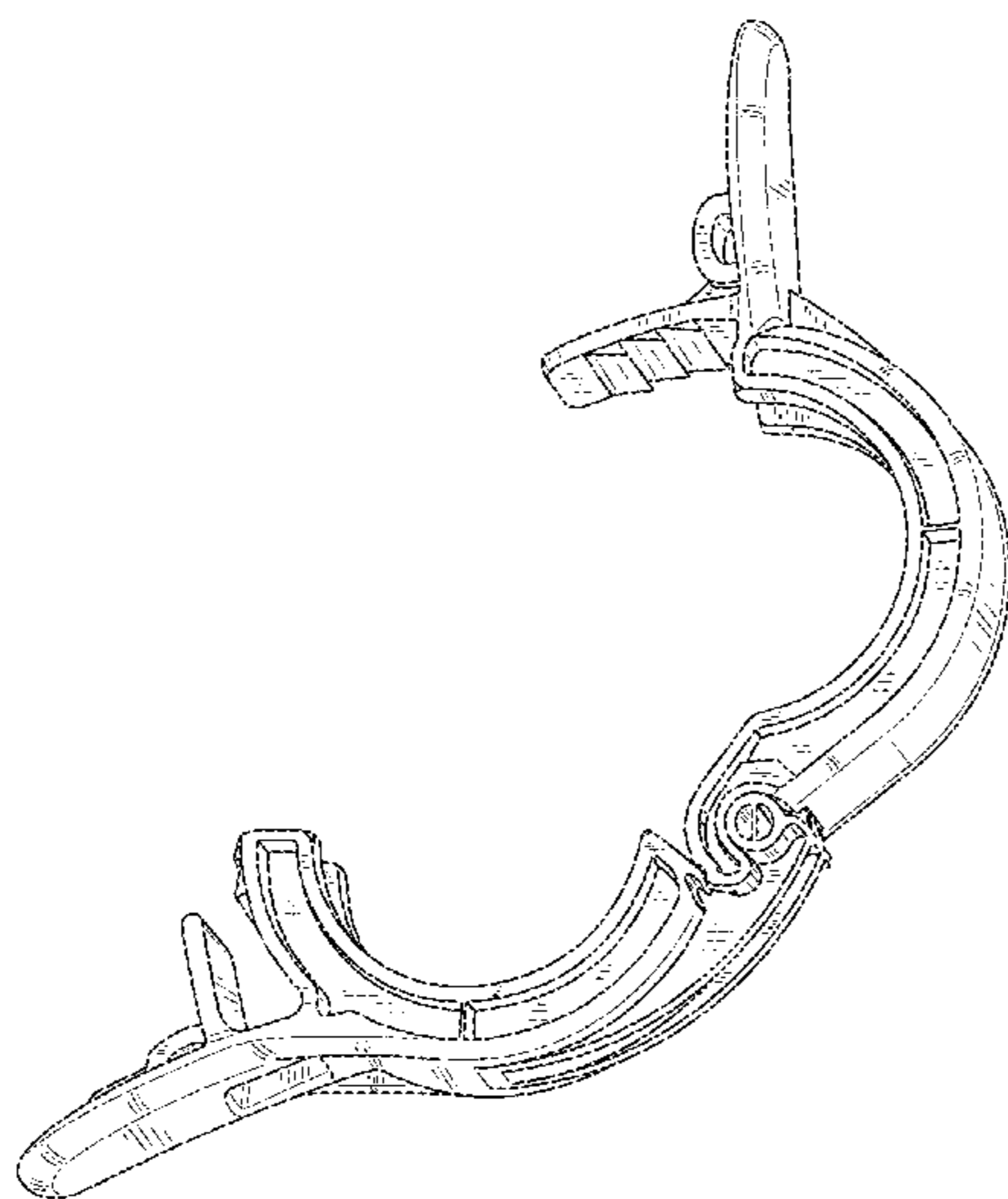
FIG. 12 is a right side elevation view of the clamp for a sanitary fitting of FIG. 9.

FIG. 13 is a left side elevation view of the clamp for a sanitary fitting of FIG. 9.

FIG. 14 is a top plan view of the clamp for a sanitary fitting of FIG. 9; and,

FIG. 15 is a bottom plan view of the clamp for a sanitary fitting of FIG. 9.

**1 Claim, 10 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

784,979 A 3/1905 Bruce  
 1,441,154 A 1/1923 Johnson  
 3,021,584 A \* 2/1962 Polanski ..... 24/270  
 3,352,582 A 11/1967 Mankin et al.  
 3,429,985 A 2/1969 Czigler  
 3,670,369 A 6/1972 McIlroy, II  
 3,705,737 A 12/1972 Westerlund et al.  
 3,913,187 A \* 10/1975 Okuda ..... 24/484  
 4,020,277 A 4/1977 La Chance, Sr. et al.  
 4,082,917 A 4/1978 Hendrix  
 4,183,120 A \* 1/1980 Thorne ..... 24/16 R  
 4,306,740 A 12/1981 Kleykamp et al.  
 4,386,752 A 6/1983 Pavlak et al.  
 4,483,556 A 11/1984 LiVolsi  
 4,485,530 A 12/1984 Begley et al.  
 4,502,186 A 3/1985 Clarke et al.  
 4,557,024 A \* 12/1985 Roberts et al. .... 24/20 TT  
 4,663,807 A 5/1987 Bozzo  
 4,746,127 A 5/1988 Westhoff et al.  
 4,840,345 A 6/1989 Neil et al.  
 D307,541 S 5/1990 Tres  
 4,942,886 A 7/1990 Timmons  
 5,024,405 A 6/1991 McGuire  
 D319,298 S 8/1991 Due  
 5,157,815 A 10/1992 Dyer  
 5,227,139 A 7/1993 Wong  
 5,280,866 A 1/1994 Ueki  
 D344,672 S 3/1994 Current  
 5,305,978 A \* 4/1994 Current ..... 248/230.4  
 5,375,299 A 12/1994 Nagano  
 5,423,501 A \* 6/1995 Yu ..... 248/61  
 5,540,465 A 7/1996 Sisk  
 5,590,859 A 1/1997 Lord  
 5,653,411 A 8/1997 Picco et al.  
 D389,052 S \* 1/1998 Yamamoto ..... D8/396  
 5,725,185 A 3/1998 Auclair  
 5,740,844 A 4/1998 Miller  
 D420,569 S \* 2/2000 Evans ..... D8/396  
 6,030,006 A 2/2000 Lin  
 6,164,605 A \* 12/2000 Drake et al. .... 248/74.3  
 6,186,454 B1 2/2001 Olsen  
 6,206,331 B1 3/2001 Keith et al.  
 6,234,545 B1 5/2001 Babuder et al.  
 6,266,852 B1 \* 7/2001 Tai ..... 24/16 PB  
 6,488,664 B1 \* 12/2002 Solomon et al. .... 604/174  
 6,505,639 B1 1/2003 Navarro  
 6,523,866 B2 2/2003 Lin  
 D473,130 S \* 4/2003 Leung ..... D8/396  
 6,708,377 B2 3/2004 Maunder  
 6,742,223 B1 \* 6/2004 Chang ..... 24/16 R  
 6,764,284 B2 7/2004 Oehman, Jr.  
 6,840,782 B1 \* 1/2005 Borden et al. .... 439/92  
 6,978,973 B1 12/2005 Gretz  
 D537,334 S 2/2007 Lee  
 7,178,203 B2 \* 2/2007 Pearson et al. .... 24/16 PB  
 7,284,731 B1 10/2007 Johnson et al.

7,290,805 B2 \* 11/2007 Wu ..... 285/365  
 7,309,218 B1 12/2007 Lewis et al.  
 7,370,889 B2 5/2008 Maunder et al.  
 7,384,078 B2 6/2008 Cobb et al.  
 7,387,282 B2 6/2008 Kovac  
 D577,423 S \* 9/2008 Dole ..... D23/265  
 D584,604 S 1/2009 Baldwin  
 7,500,643 B2 \* 3/2009 Leone et al. .... 248/56  
 D609,998 S 2/2010 Radle et al.  
 7,677,612 B2 3/2010 Maunder  
 7,784,745 B2 8/2010 Dodge  
 7,794,243 B1 9/2010 Rzasas et al.  
 7,805,814 B2 10/2010 Cho  
 7,832,420 B2 11/2010 Hoskisson et al.  
 7,883,121 B2 2/2011 Henry  
 2007/0001448 A1 1/2007 Navarro  
 2008/0179469 A1 \* 7/2008 Leone et al. .... 248/56  
 2009/0119886 A1 5/2009 Werth  
 2010/0132165 A1 6/2010 Shor et al.  
 2010/0229353 A1 9/2010 Gayer et al.  
 2010/0230949 A1 9/2010 Lake  
 2010/0327576 A1 12/2010 Linhorst et al.  
 2011/0042947 A1 2/2011 Hansen  
 2012/0227221 A1 9/2012 Whitaker et al.

FOREIGN PATENT DOCUMENTS

DE 4427513 2/1996  
 DE 10128700 1/2003  
 DE 20307871 9/2003  
 EP 276640 8/1988  
 EP 1840439 6/2010  
 EP 1696164 10/2010  
 EP 1766279 12/2010  
 GB 2051213 1/1981  
 GB 2098297 11/1982  
 WO WO 99/61831 12/1999  
 WO WO 2004/023016 3/2004  
 WO WO 2009/051591 4/2009  
 WO WO 2010/126942 11/2010

OTHER PUBLICATIONS

Heavy Duty Clamp (STPP7707); <http://wzsatai.en.made-in-china.com/product/iqxQNAVtqDhU/China-Heavy-Duty-Clamp-STPP7707-.html>; date accessed: Sep. 24, 2010, 2 pages.  
 Sanitary Fittings (STU1107); <http://wzsatai.en.made-in-china.com/product/CoJnSuUYhIkj/China-Sanitary-Fittings-STU1107-.html>; date accessed: Sep. 24, 2010, 2 pages.  
 Quick Clamp with Ratchet Closure, KF-25 ISO-KF Flange Size NW-25, Aluminum Black Finish; Ideal Vacuum Products; <http://www.pchemlabs.com/product.asp?pid=2582>; date accessed: Sep. 24, 2010; 4 pages.  
 Value Plastics, Inc., a Nordson Company, Component Configurator for Sanitary Fitting, Clamp, <http://www.valueplastics.com/search/search.aspx>, published as early as Apr. 2009, 1 page.  
 U.S. Appl. No. 13/414,635, filed Mar. 7, 2012, Carl T. Whitaker, et al.

\* cited by examiner

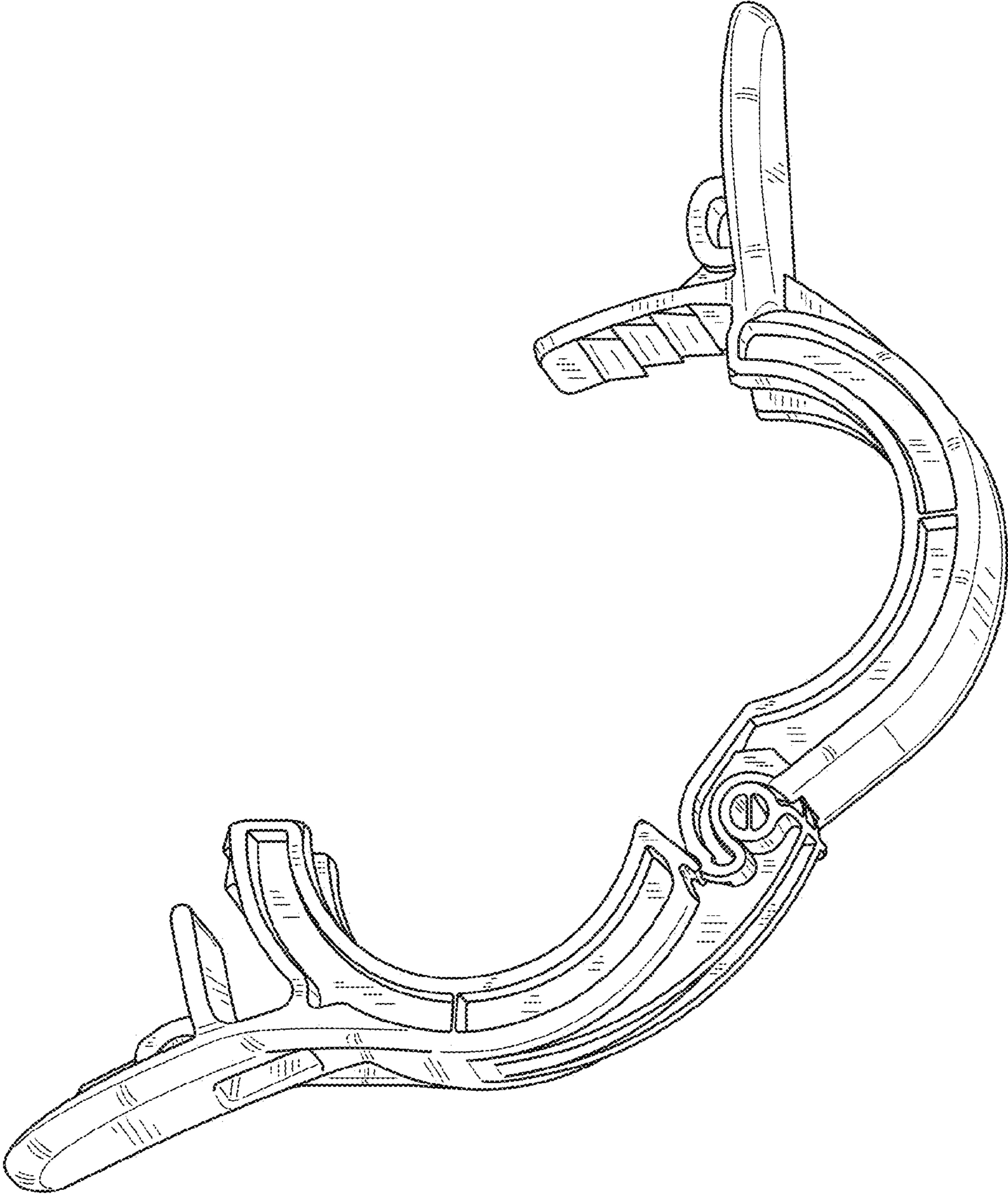


FIG. 1

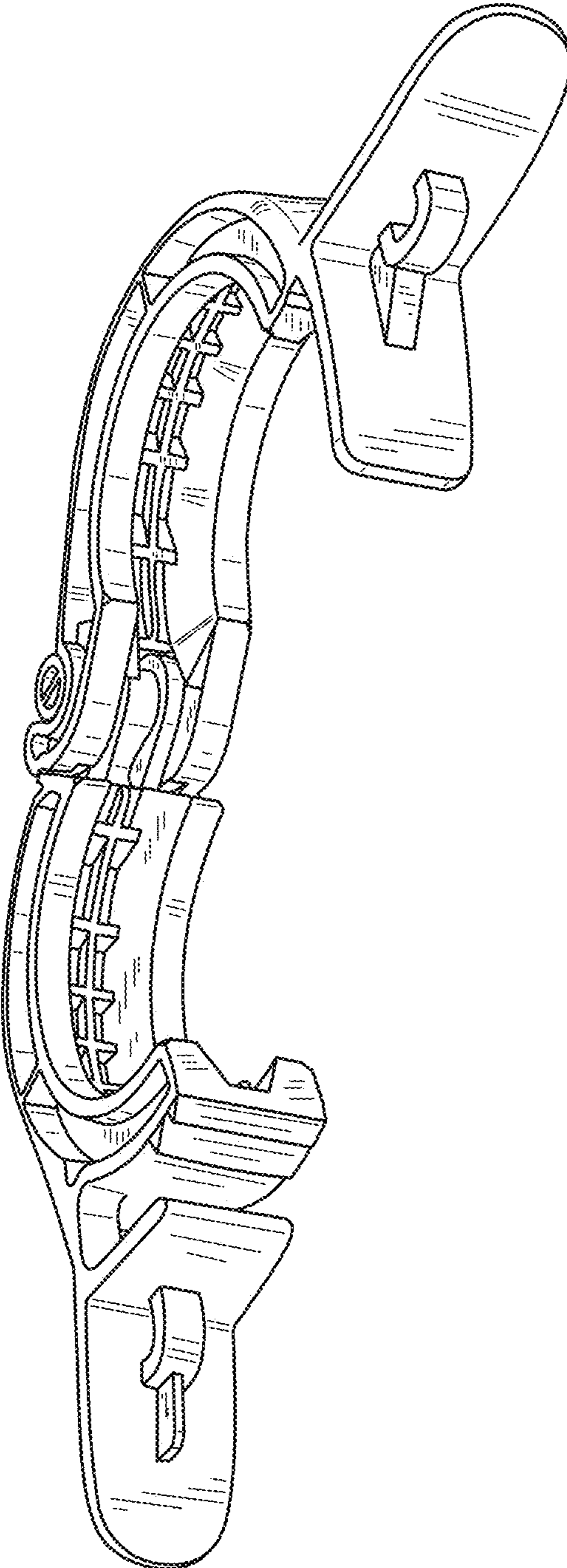


FIG.2

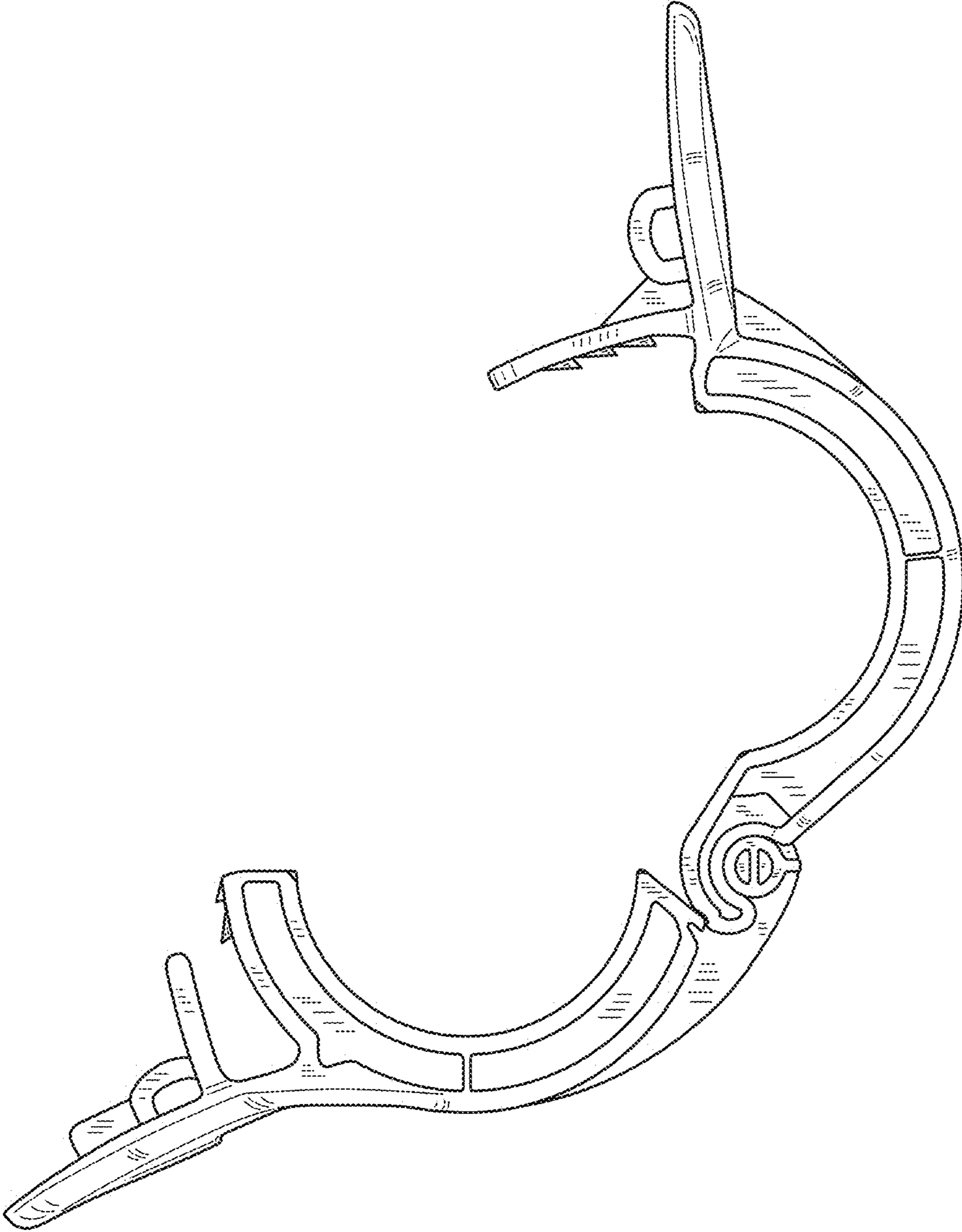


FIG.3

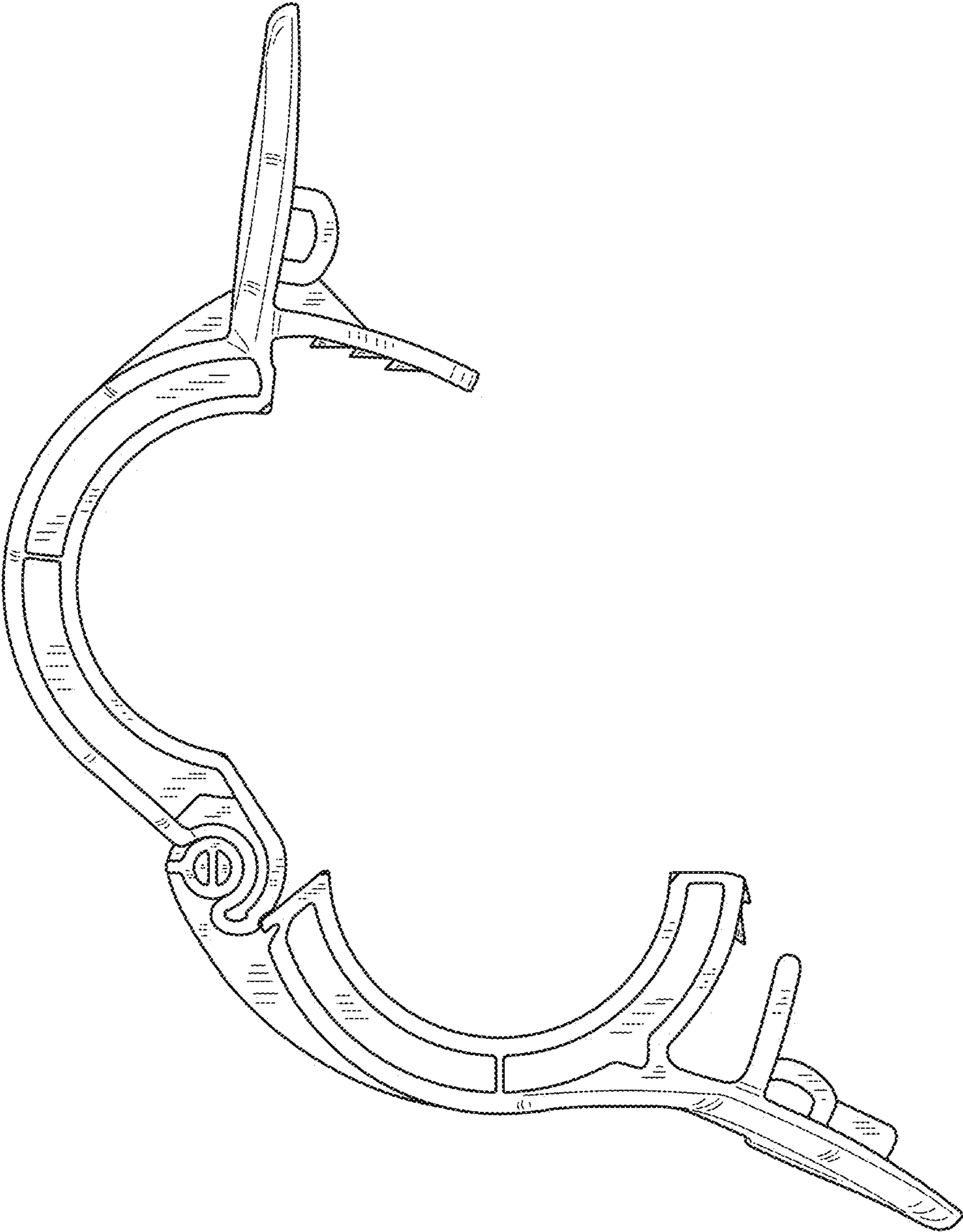


FIG.4

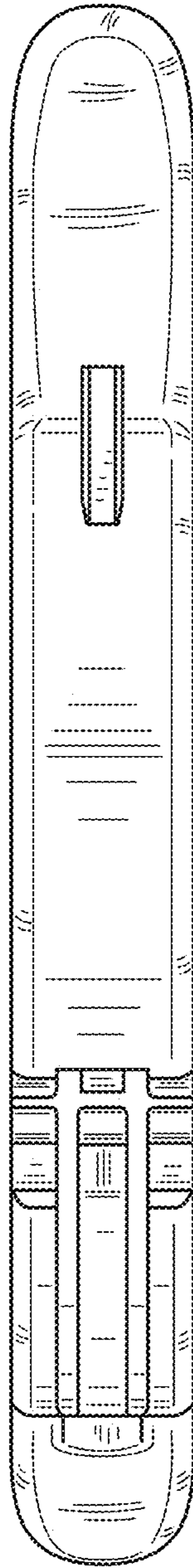


FIG. 5

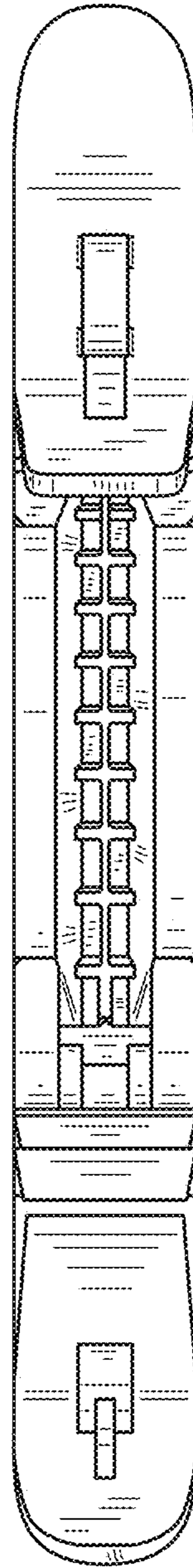


FIG. 6

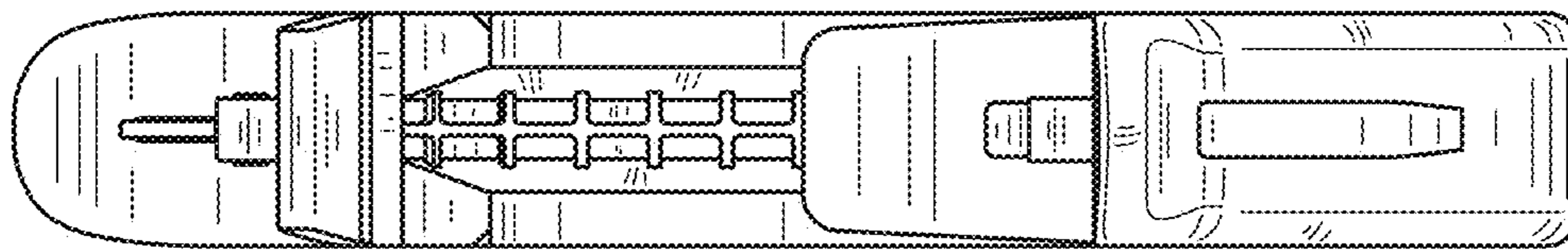


FIG. 7

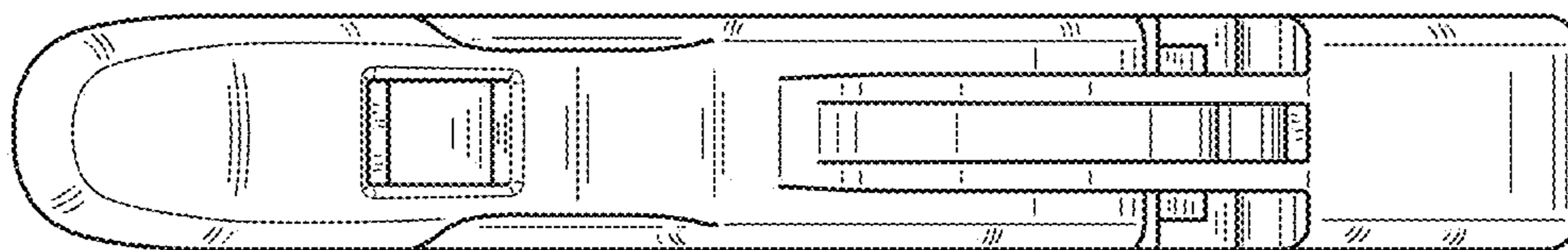


FIG. 8



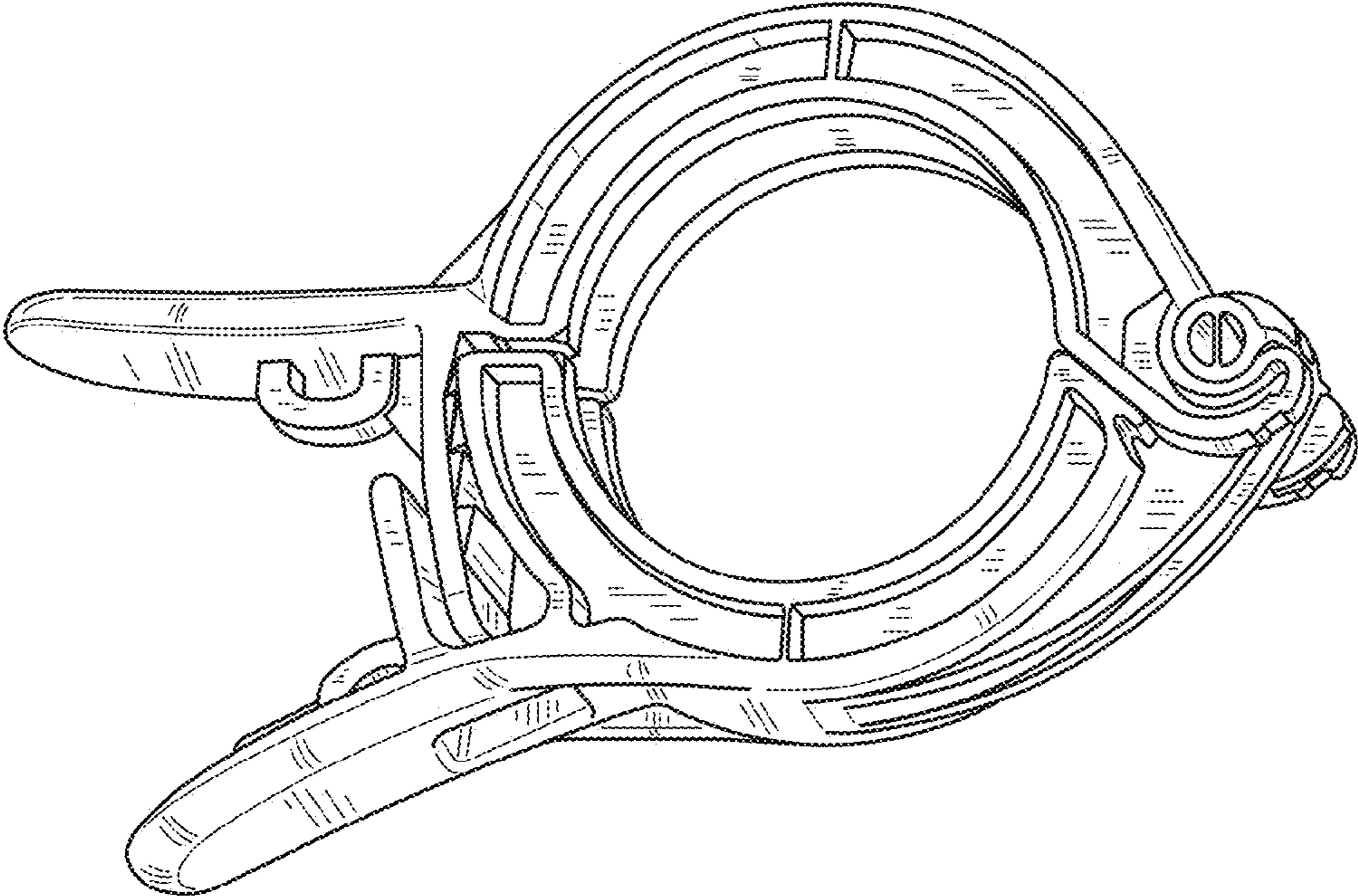


FIG.9

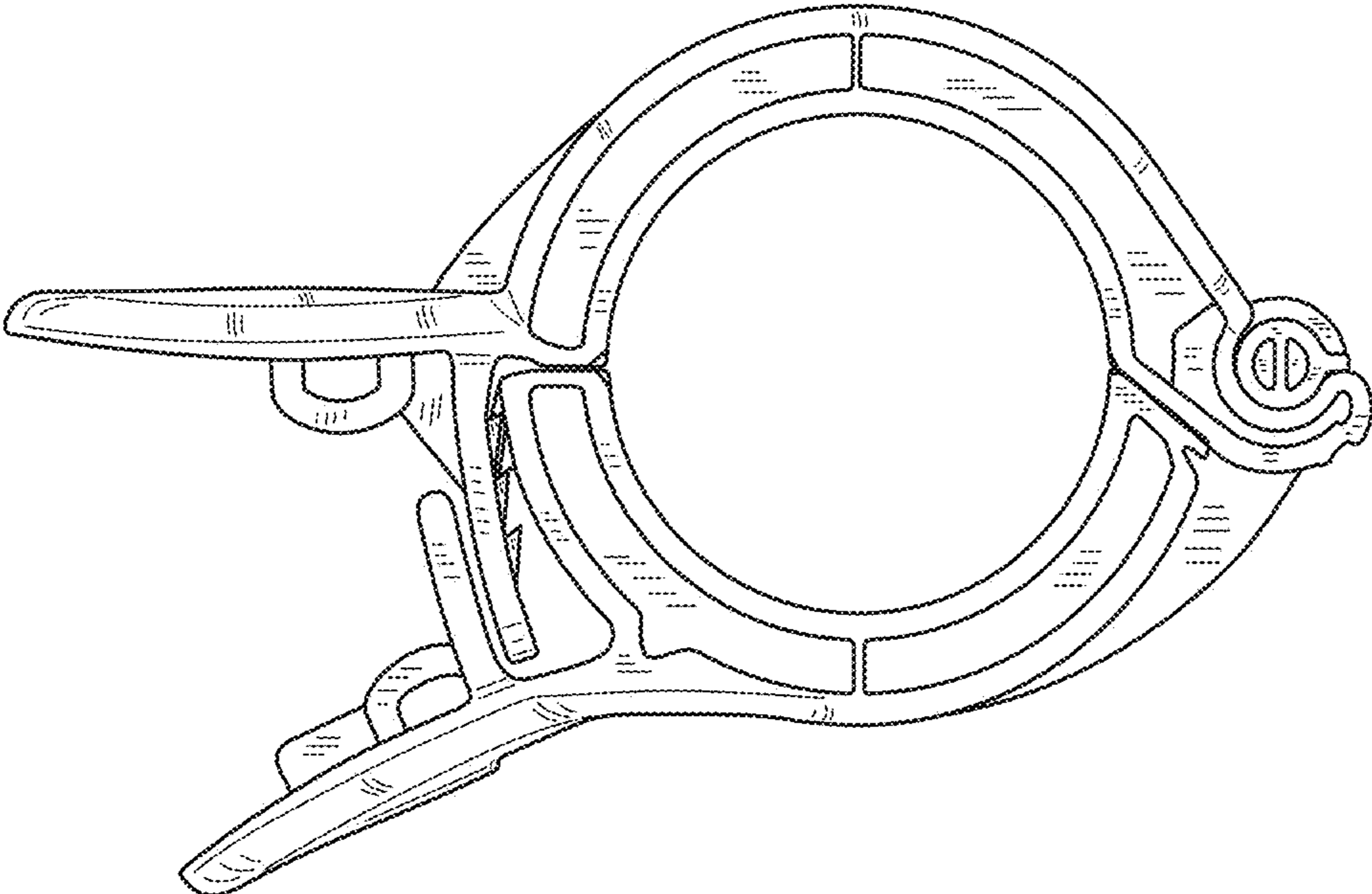


FIG. 10

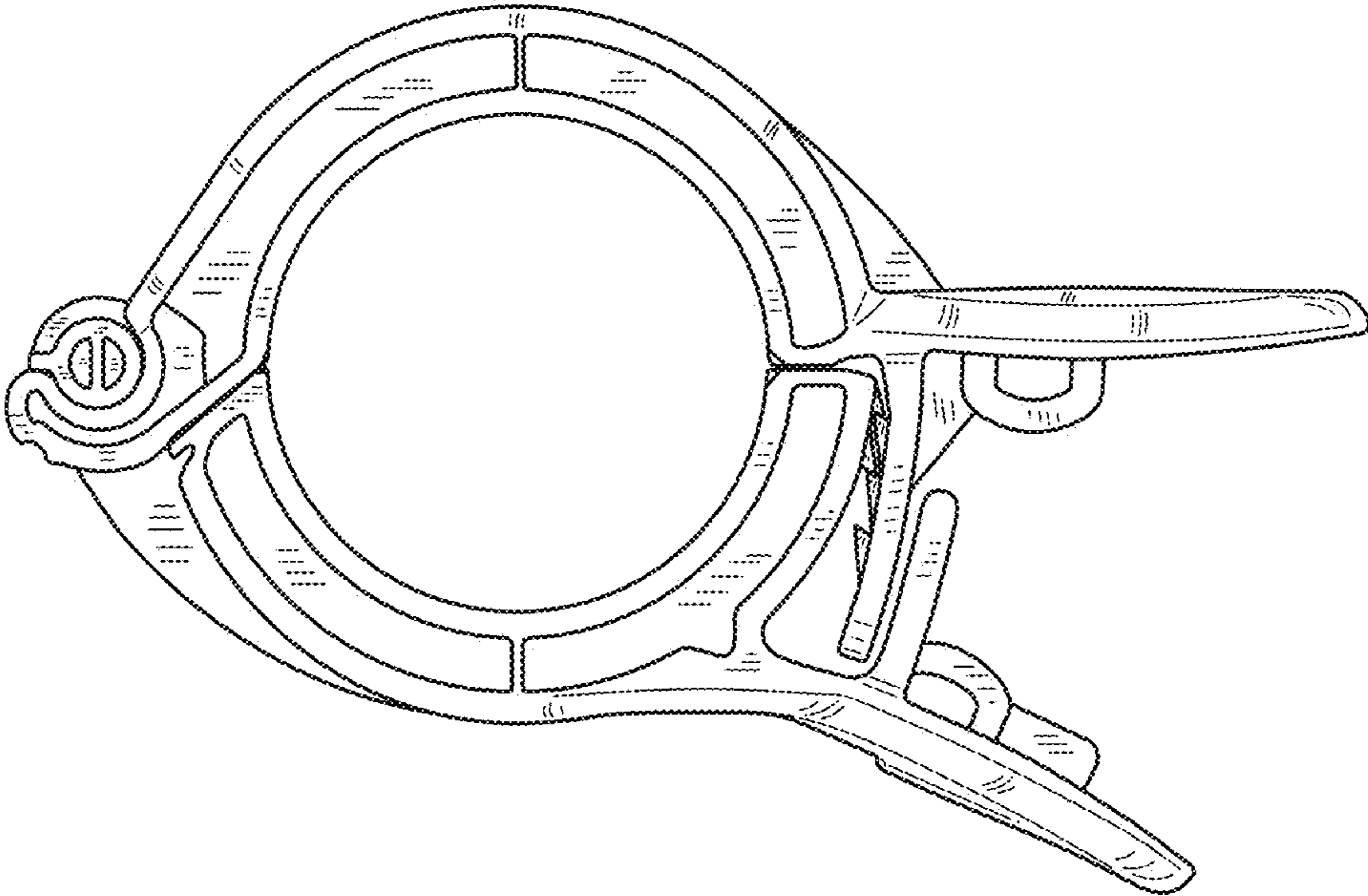


FIG. 11

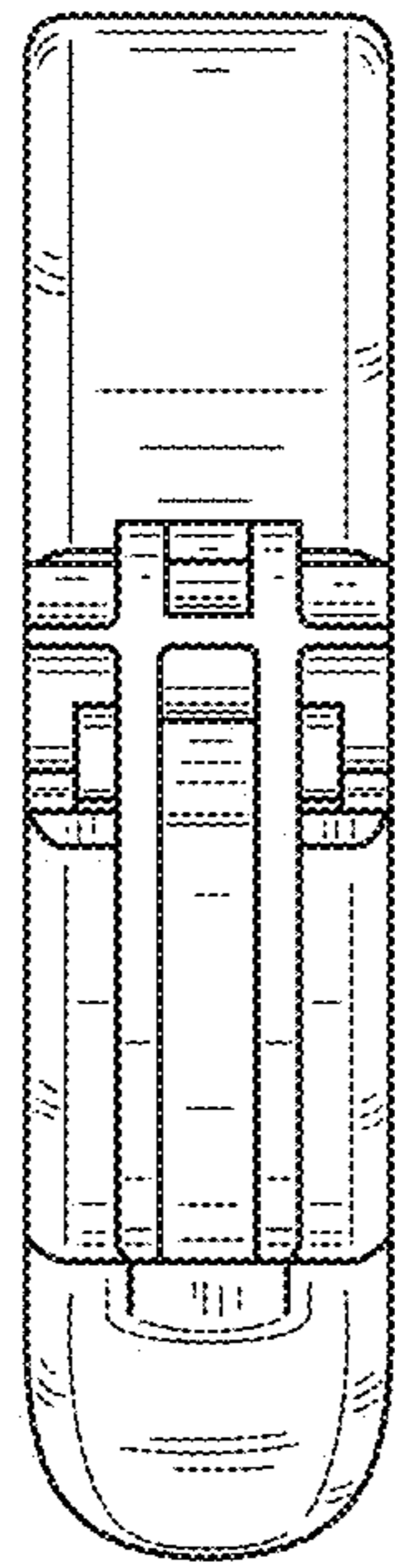


FIG. 12

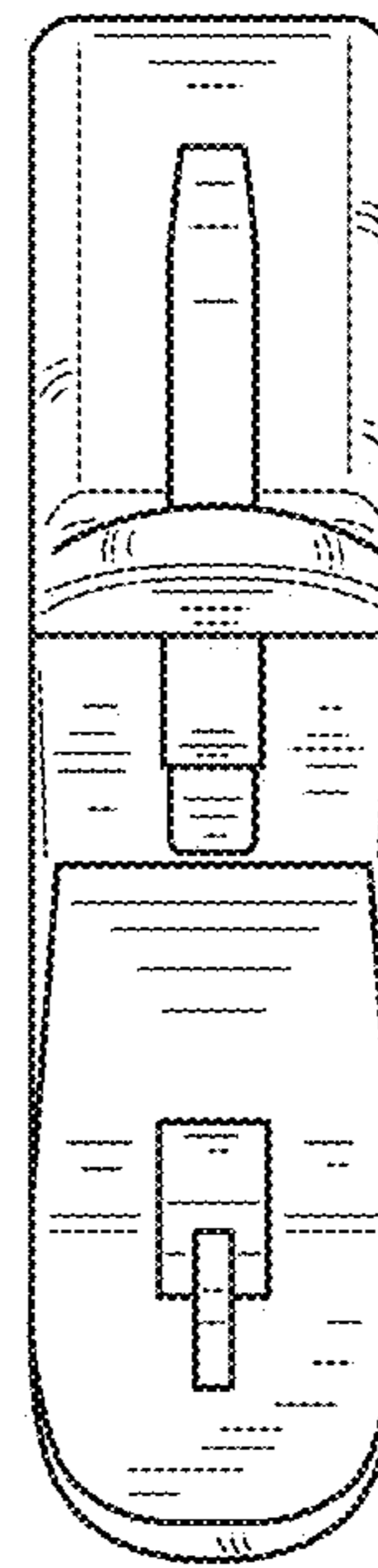


FIG. 13

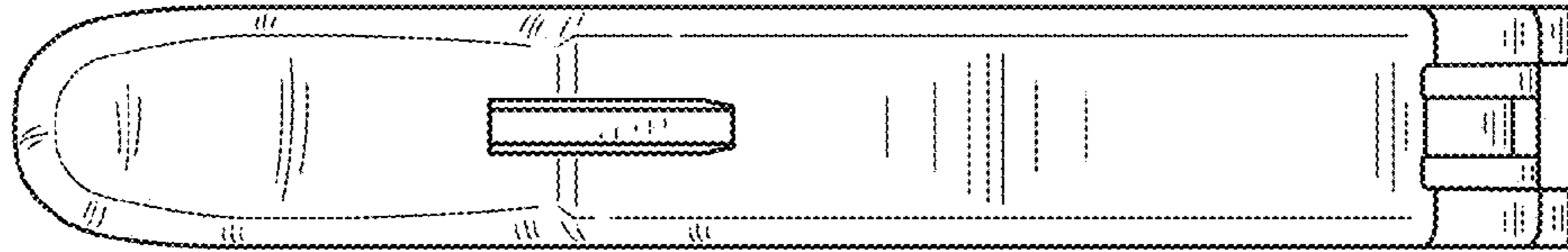


FIG. 14

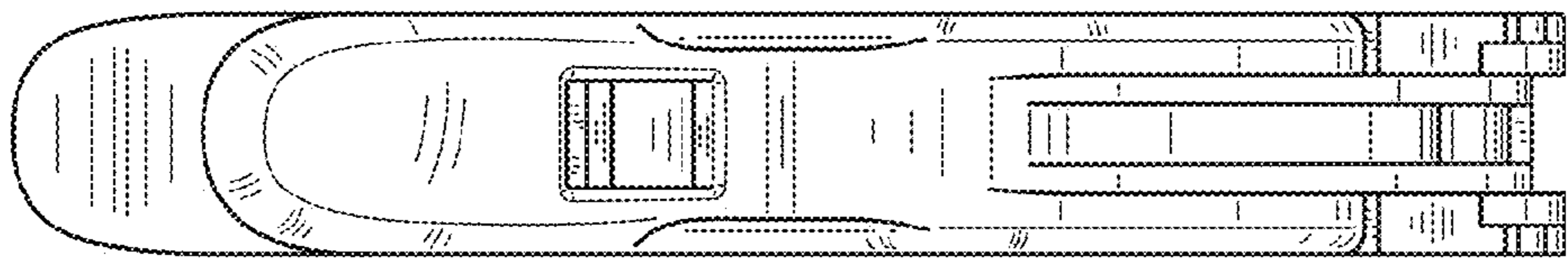


FIG. 15