



US00D804021S

(12) **United States Design Patent** (10) **Patent No.:** **US D804,021 S**
Schweikert et al. (45) **Date of Patent:** **** Nov. 28, 2017**

- (54) **HUBER SAFETY NEEDLE** 5,300,046 A 4/1994 Scarfone et al.
5,322,517 A 6/1994 Sircom et al.
(71) Applicant: **Medical Components INC.,** 5,328,482 A 7/1994 Sircom et al.
Harleysville, PA (US) 5,382,240 A 1/1995 Lam
5,429,636 A * 7/1995 Shikhman A61B 17/3494
604/164.08
(72) Inventors: **Timothy M. Schweikert,** Levittown, 5,507,730 A * 4/1996 Haber A61M 5/3216
PA (US); **Mark S. Fisher,** Sellersville, 604/187
PA (US); **Kevin Sanford,** Chalfont, PA
(US) 5,531,704 A 7/1996 Knotek
5,611,781 A 3/1997 Sircom et al.
5,662,610 A 9/1997 Sircom
5,697,907 A 12/1997 Gaba
5,743,883 A 4/1998 Visconti
5,879,337 A 3/1999 Kuracina et al.
(**) Term: **14 Years** (Continued)

FOREIGN PATENT DOCUMENTS

- (21) Appl. No.: **29/518,934**
(22) Filed: **Feb. 27, 2015**
(51) **LOC (10) Cl.** **24-02**
(52) **U.S. Cl.**
USPC **D24/130**
(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 25/00; 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.

- CN 101415453 C6 4/2009
EP 1116493 7/2001
(Continued)

Primary Examiner — David Muller
(74) *Attorney, Agent, or Firm* — Buchanan Ingersoll & Rooney PC

(57) **CLAIM**

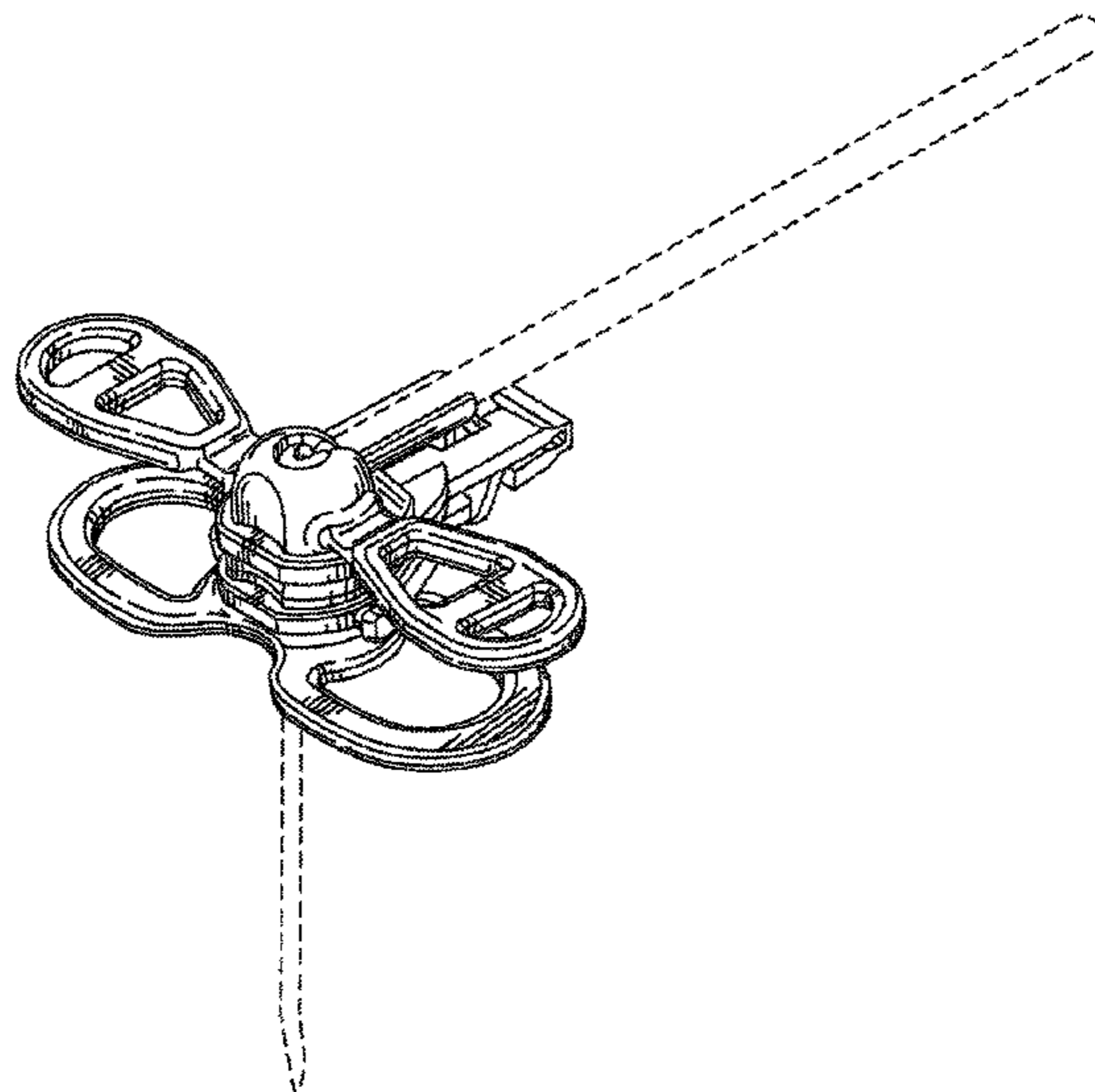
The ornamental design for a huber safety needle, as shown and described.

DESCRIPTION

FIG. 1 illustrates an enlarged perspective view of a huber safety needle showing our new design; FIG. 2 is a rear elevational view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; and, FIG. 6 is a left side elevational view thereof, the right side being a mirror image. Broken lines are for illustrating unclaimed portions of the article and form no part of the claimed design.

1 Claim, 6 Drawing Sheets

- (56) **References Cited**
U.S. PATENT DOCUMENTS
4,627,843 A 12/1986 Raines
4,735,618 A 4/1988 Hagen
4,737,144 A 4/1988 Choksi
4,887,998 A 12/1989 Martin et al.
4,978,344 A 12/1990 Dombrowski et al.
5,059,180 A 10/1991 McLees
5,171,303 A 12/1992 DeCamp



(56)

References Cited

U.S. PATENT DOCUMENTS

5,925,020 A 7/1999 Nestell
 5,951,522 A 9/1999 Rosato et al.
 5,951,525 A 9/1999 Thorne et al.
 5,997,504 A 12/1999 Bell
 6,001,080 A 12/1999 Kuracina et al.
 6,117,108 A 9/2000 Woehr et al.
 6,254,575 B1 7/2001 Thorne, Jr. et al.
 6,261,259 B1 7/2001 Bell
 6,280,420 B1 8/2001 Ferguson et al.
 6,287,278 B1 9/2001 Woehr et al.
 6,443,929 B1 9/2002 Kuracina et al.
 6,488,667 B1* 12/2002 Murphy A61B 17/3403
 604/272
 6,537,255 B1 3/2003 Raines
 6,592,556 B1 7/2003 Thorne
 6,595,955 B2 7/2003 Ferguson et al.
 6,613,015 B2 9/2003 Sandstrom et al.
 6,616,630 B1 9/2003 Woehr et al.
 6,623,462 B2 9/2003 Guzzo et al.
 6,629,959 B2 10/2003 Kuracina et al.
 6,676,633 B2 1/2004 Smith et al.
 6,719,721 B1 4/2004 Okazaki et al.
 6,719,731 B2 4/2004 Parmigiani
 6,752,791 B2* 6/2004 Murphy A61B 17/3403
 604/173
 6,796,962 B2 9/2004 Ferguson et al.
 6,796,968 B2 9/2004 Ferguson et al.
 6,824,530 B2 11/2004 Wagner et al.
 6,860,871 B2 3/2005 Kuracina et al.
 6,878,136 B2 4/2005 Fleury et al.
 6,884,224 B2 4/2005 Dalton
 6,902,546 B2 6/2005 Ferguson
 6,918,894 B2 7/2005 Fleury et al.
 6,926,693 B2 8/2005 Enns
 6,932,803 B2* 8/2005 Newby A61M 5/3275
 604/110
 6,939,331 B2* 9/2005 Ohshima A61M 5/158
 604/110
 6,949,086 B2 9/2005 Ferguson et al.
 6,969,372 B1 11/2005 Halseth
 6,984,213 B2 1/2006 Horner et al.
 6,997,902 B2 2/2006 Thorne et al.
 7,004,927 B2 2/2006 Ferguson et al.
 7,008,402 B2 3/2006 Ferguson et al.
 7,029,461 B2 4/2006 Ferguson et al.
 7,097,637 B2 8/2006 Triplett et al.
 7,125,397 B2 10/2006 Woehr et al.
 7,125,398 B2 10/2006 Garcia
 7,144,389 B2 12/2006 Ferguson et al.
 7,179,244 B2 2/2007 Smith et al.
 7,198,618 B2 4/2007 Ferguson et al.
 7,214,211 B2 5/2007 Woehr et al.
 7,226,434 B2 6/2007 Carlyon
 7,264,613 B2 9/2007 Woehr et al.
 7,291,135 B2 11/2007 Ono
 7,341,573 B2 3/2008 Ferguson et al.
 7,347,842 B2 3/2008 Thorne et al.
 7,357,784 B2 4/2008 Ferguson
 7,413,562 B2 8/2008 Ferguson et al.
 7,422,573 B2 9/2008 Wilkinson et al.
 7,438,703 B2 10/2008 Barrus et al.
 7,455,664 B2 11/2008 Fleury et al.
 7,458,954 B2 12/2008 Ferguson et al.
 7,534,231 B2 5/2009 Kuracina et al.
 7,549,979 B2 6/2009 Enns et al.
 7,569,044 B2 8/2009 Triplett et al.
 7,608,057 B2 10/2009 Woehr et al.
 7,611,485 B2 11/2009 Ferguson
 7,611,487 B2 11/2009 Woehr et al.
 7,618,395 B2 11/2009 Ferguson
 7,625,360 B2 12/2009 Woehr et al.
 7,717,888 B2 5/2010 Vaillancourt et al.

7,758,544 B2 7/2010 Solomon et al.
 7,762,992 B2 7/2010 Triplett et al.
 7,776,016 B1 8/2010 Halseth
 7,858,774 B2 12/2010 Ionescu et al.
 7,927,314 B2 4/2011 Kuracina et al.
 8,002,746 B2 8/2011 Erskine
 8,142,446 B2* 3/2012 Shan A61M 25/0662
 604/167.01
 8,152,770 B2* 4/2012 Reid A61M 5/158
 604/164.08
 D686,316 S* 7/2013 Baid D24/112
 8,496,626 B2 7/2013 Hiraoka et al.
 D687,548 S* 8/2013 Hayashi D24/130
 8,500,703 B2 8/2013 Lambert
 8,574,197 B2 11/2013 Halseth et al.
 8,834,422 B2 9/2014 Walker et al.
 D716,444 S* 10/2014 Khalaj D24/128
 D731,641 S* 6/2015 Du D24/112
 9,248,234 B2 2/2016 Barron
 2002/0099338 A1 7/2002 Young
 2002/0173749 A1 11/2002 Wagner et al.
 2003/0114797 A1 6/2003 Vaillancourt et al.
 2003/0163097 A1 8/2003 Fleury et al.
 2004/0049159 A1 3/2004 Barrus et al.
 2004/0082922 A1 4/2004 Fleury et al.
 2004/0087912 A1 5/2004 Swenson
 2004/0147881 A1 7/2004 Hyun
 2004/0167477 A1 8/2004 Wilkinson et al.
 2005/0080386 A1 4/2005 Reid
 2006/0129106 A1 6/2006 Ferguson et al.
 2007/0010622 A1 1/2007 Naito et al.
 2007/0106222 A1 5/2007 Bennett
 2007/0282275 A1 12/2007 Ferguson et al.
 2008/0097304 A1 4/2008 Thorne
 2008/0119795 A1 5/2008 Erskine
 2008/0171986 A1 7/2008 Baid
 2008/0208139 A1 8/2008 Scheurer et al.
 2008/0262434 A1 10/2008 Vaillancourt
 2009/0062744 A1 3/2009 Weilbacher et al.
 2009/0137958 A1 5/2009 Erskine
 2009/0163875 A1 6/2009 Hiraoka et al.
 2009/0249605 A1 10/2009 Erskine
 2010/0082002 A1* 4/2010 Baid A61M 25/0637
 604/263
 2010/0137815 A1 6/2010 Kuracina et al.
 2010/0280413 A1 11/2010 Ferguson et al.
 2011/0166526 A1 7/2011 Kuracina et al.
 2011/0220274 A1 9/2011 Erskine
 2012/0123332 A1 5/2012 Erskine

FOREIGN PATENT DOCUMENTS

EP 1 430 921 A2 6/2004
 EP 2 016 964 A1 1/2009
 EP 2609953 A1 7/2013
 EP 2827924 A1 1/2015
 JP 2003299735 A2 10/2003
 JP 2004-195227 A 7/2004
 JP 2008212645 A2 9/2008
 JP 2009142658 A2 7/2009
 JP 2003275310 A2 9/2009
 JP 2010207634 A2 9/2010
 JP 2011115615 A2 6/2011
 JP 2013138853 A2 7/2013
 JP 2015134156 A2 7/2015
 WO 99/07424 A1 2/1999
 WO 02/087672 A1 11/2002
 WO 2005049109 A1 2/2005
 WO 2005/120624 A1 12/2005
 WO 2006/096633 A1 9/2006
 WO 2006/096634 A1 9/2006
 WO 2006/096635 A1 9/2006
 WO 2006/096636 A1 9/2006
 WO 2010/101573 A1 9/2010

* cited by examiner

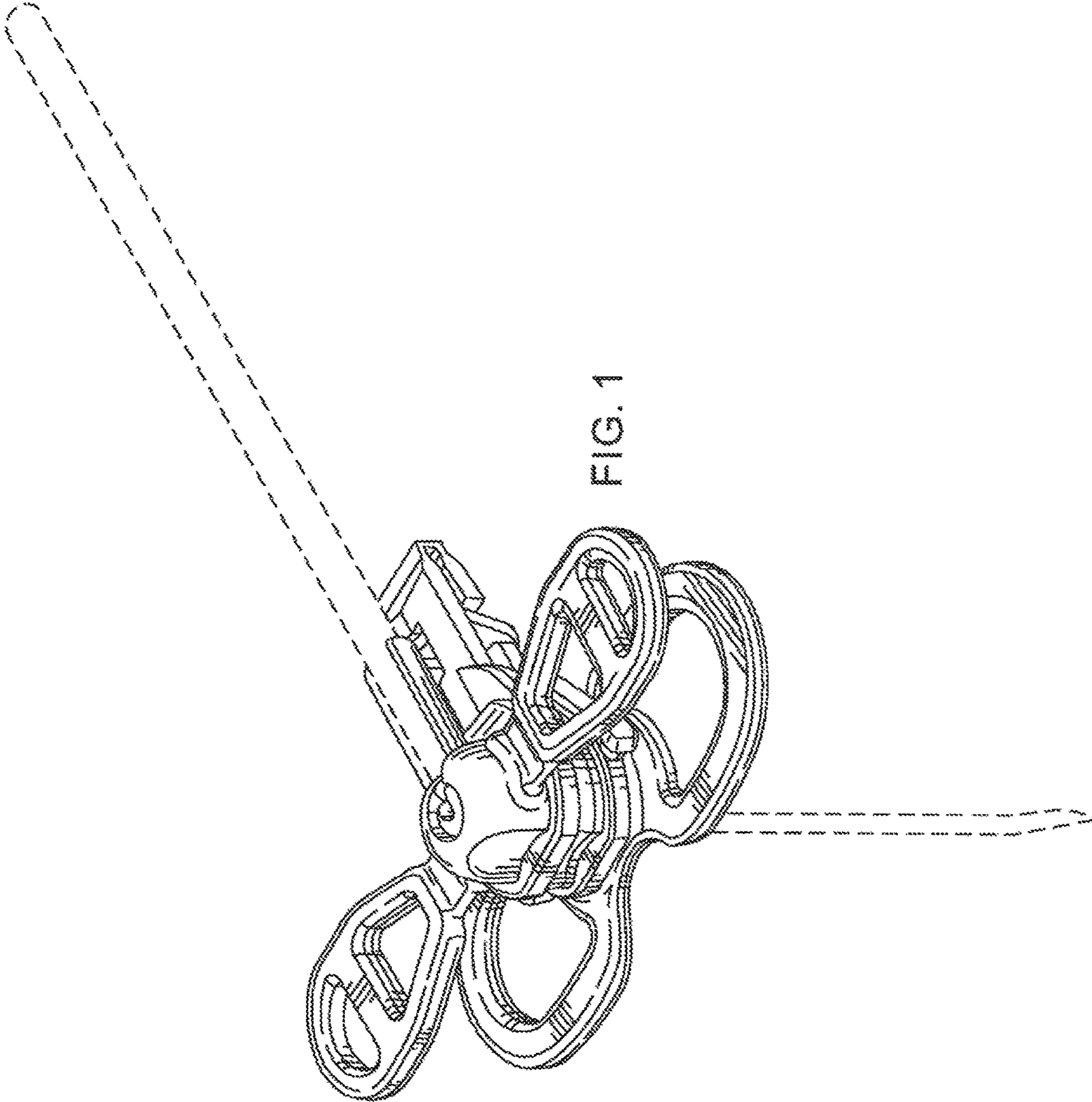


FIG. 1

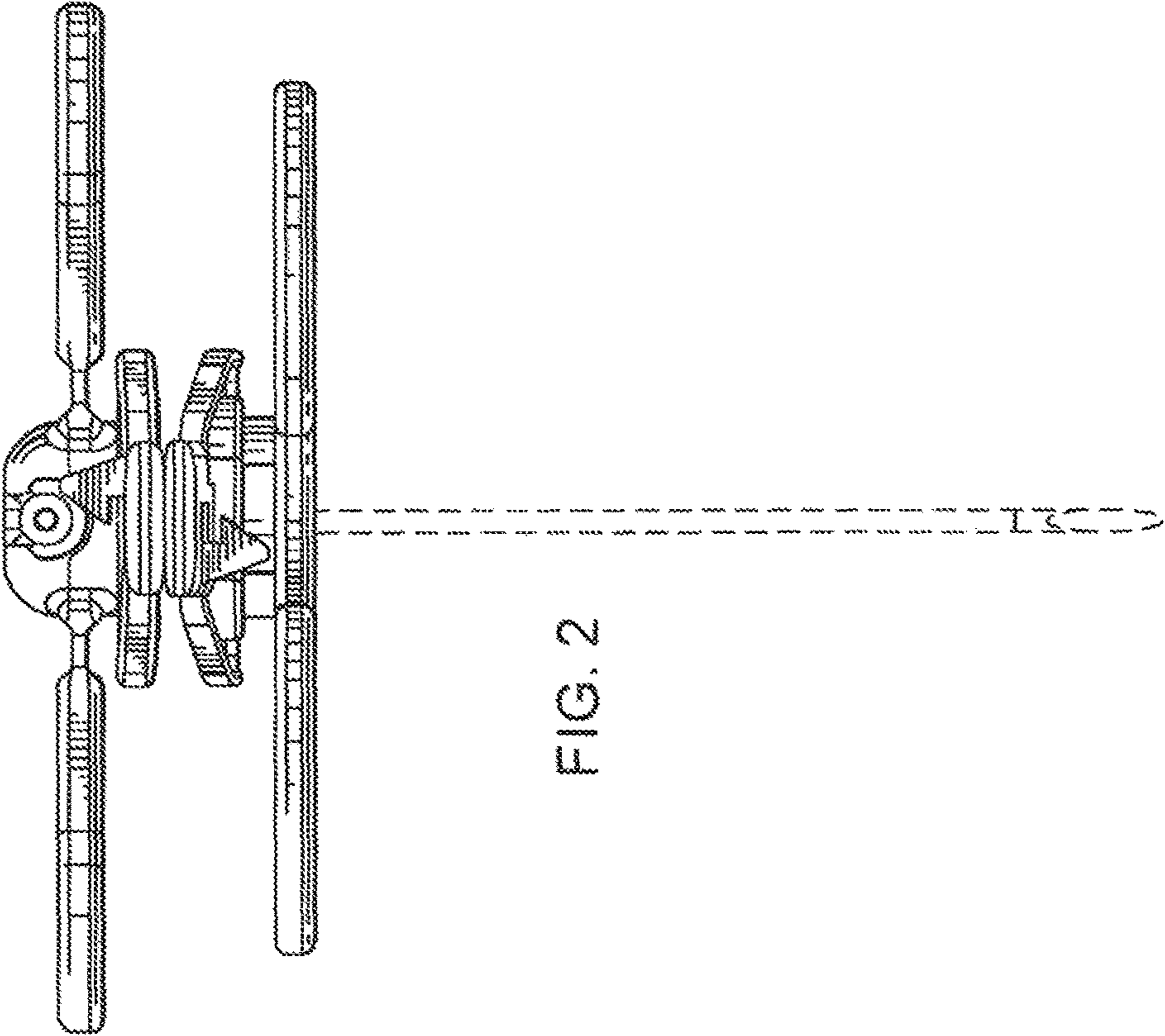


FIG. 2

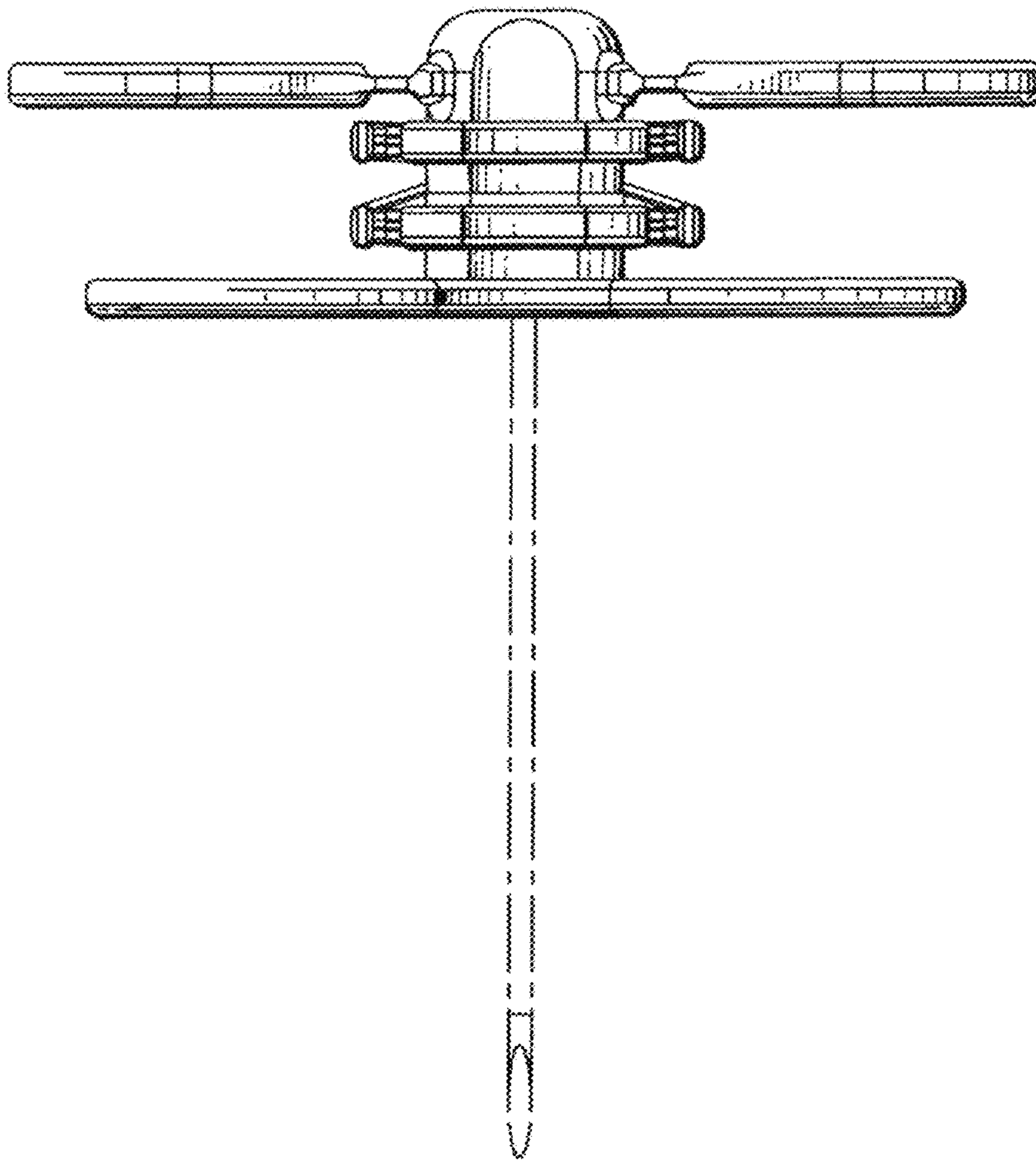


FIG. 3

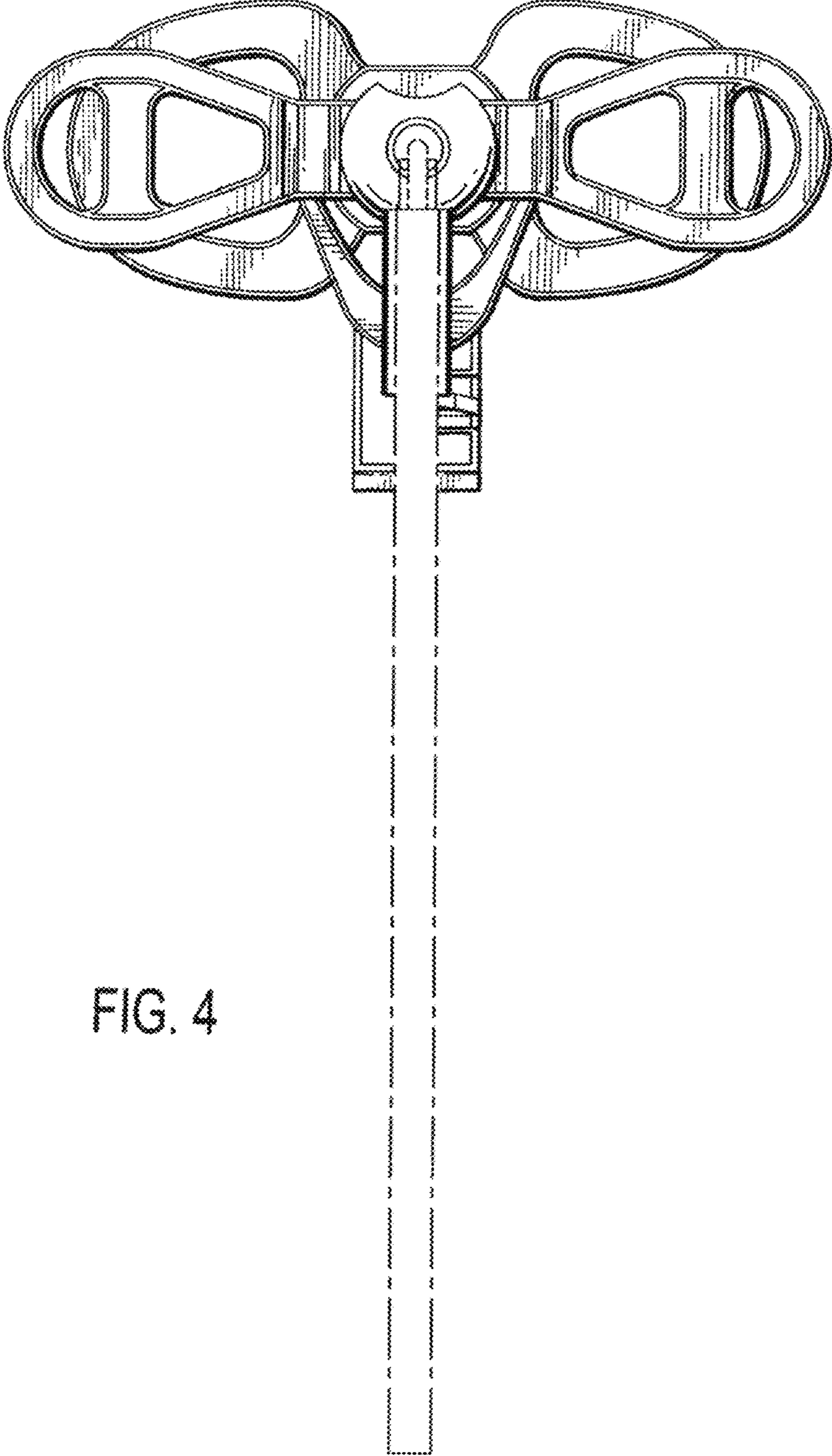


FIG. 4

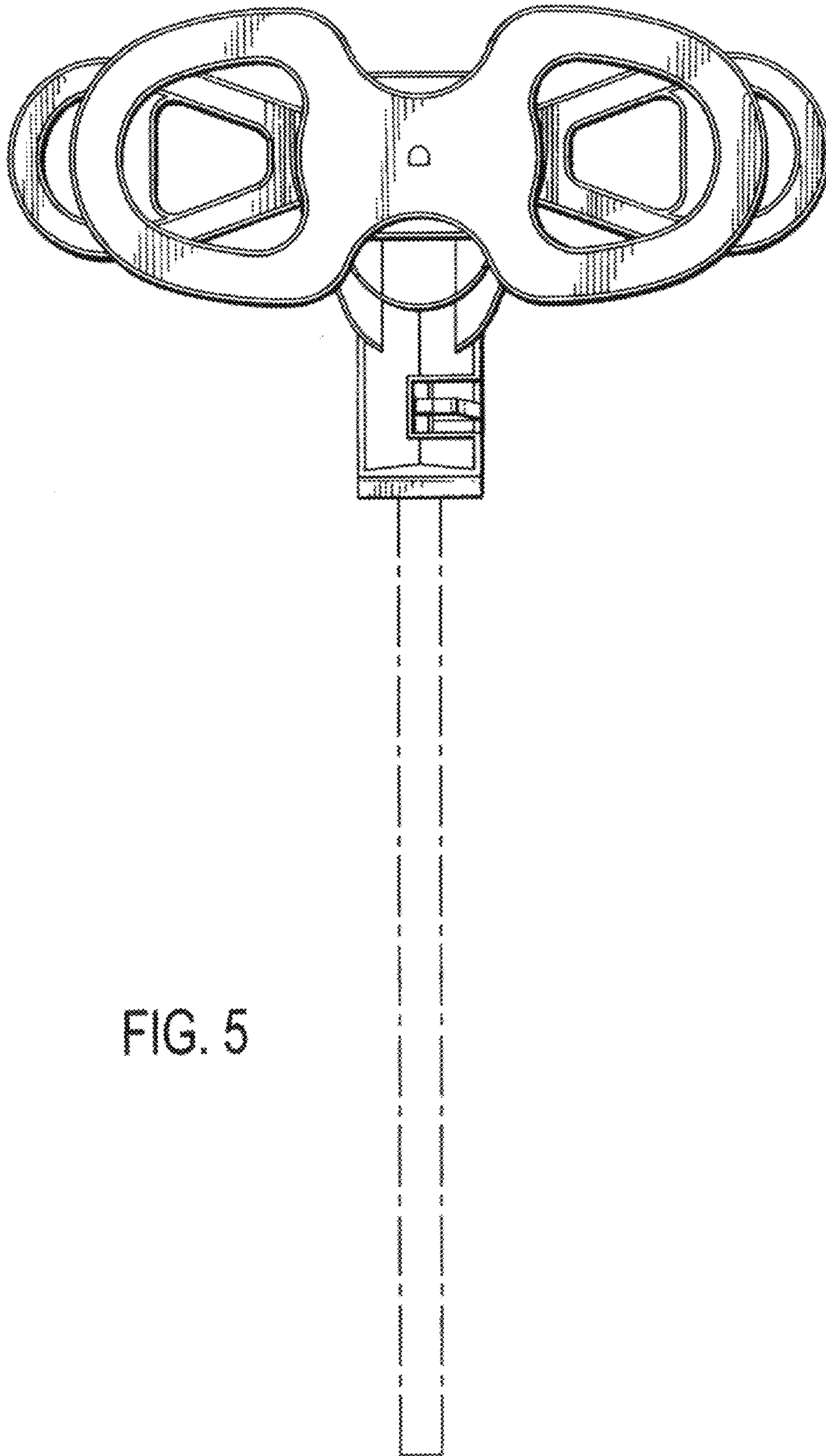


FIG. 5

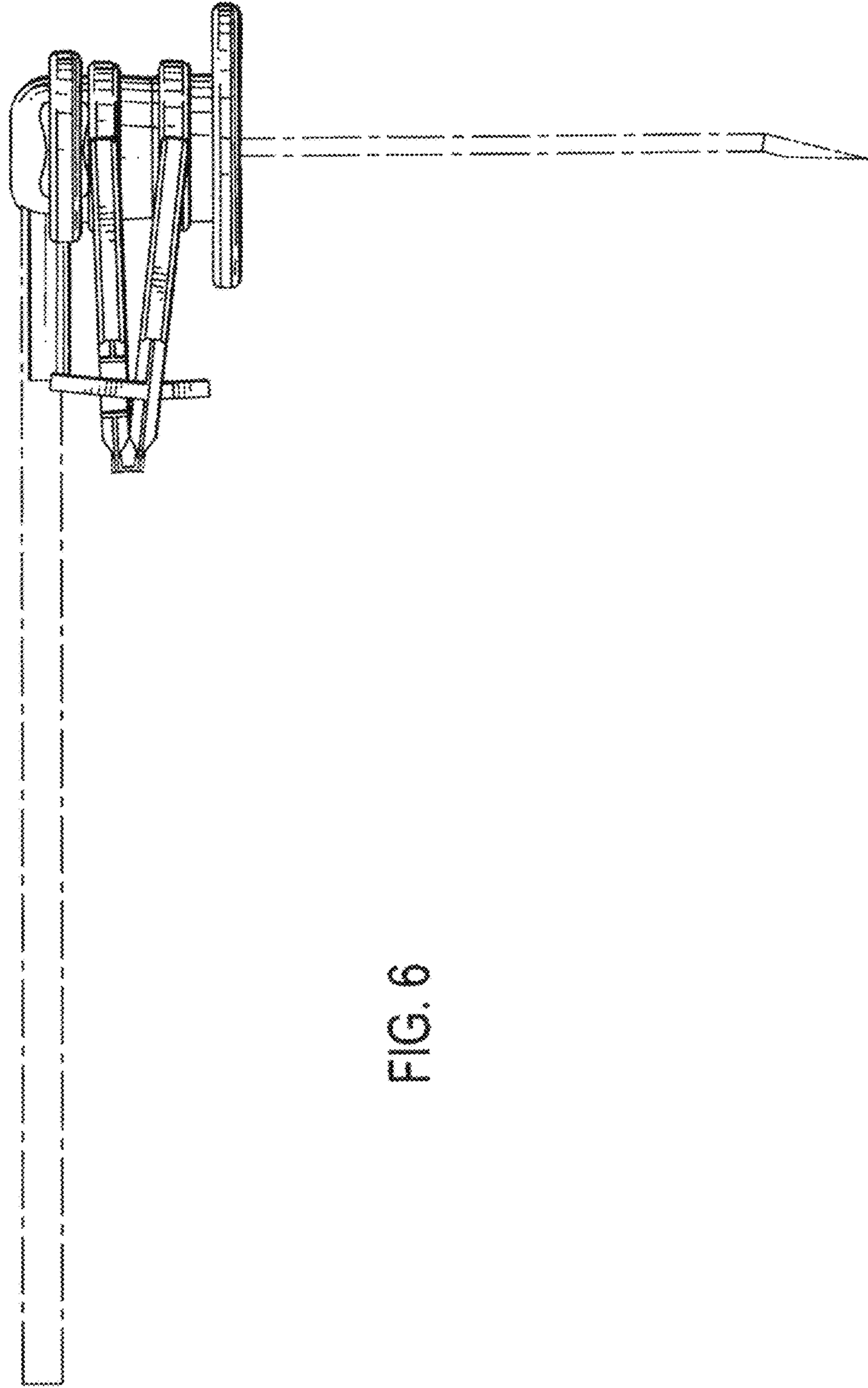


FIG. 6