



US00D924351S

(12) **United States Design Patent** (10) **Patent No.:** **US D924,351 S**
Derus et al. (45) **Date of Patent:** **** Jul. 6, 2021**

(54) **ARROWHEAD**

FOREIGN PATENT DOCUMENTS

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WO 2008079658 A2 7/2008

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OTHER PUBLICATIONS

“Muzzy HB TI and Merc Broadheads: ATA 2018” [online]. ArcheryTalk.
[Published on Jan. 11, 2018]. Retrieved from the Internet: <<https://www.youtube.com/watch?v=ybfW4zh5ap0>>.*

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(Continued)

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

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(21) Appl. No.: **29/590,270**

(57) **CLAIM**

The ornamental design for an arrowhead, as shown and described.

(22) Filed: **Jan. 9, 2017**

(51) **LOC (13) Cl.** **22-03**

(52) **U.S. Cl.**

USPC **D22/115**

(58) **Field of Classification Search**

USPC D22/107, 115, 116; D8/86; D15/139

CPC F42B 6/04; F42B 6/08; F42B 6/003; F42B
6/02; F42B 12/362

See application file for complete search history.

DESCRIPTION

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FIG. 1 is a front elevation view of the arrowhead.

FIG. 2 is a rear elevation view of the arrowhead.

FIG. 3 is a left side elevation view of the arrowhead.

FIG. 4 is a right side elevation view of the arrowhead.

FIG. 5 is a top view of the arrowhead.

FIG. 6 is a bottom view of the arrowhead.

FIG. 7 is a right front isometric view of the arrowhead; and,

FIG. 8 is a right rear isometric view of the arrowhead.

The dashed, broken lines in the drawings illustrate portions of the arrowhead that form no part of the claimed design. The dot-dash, broken lines in the drawings define the bounds of the claimed design and form no part of the claimed design.

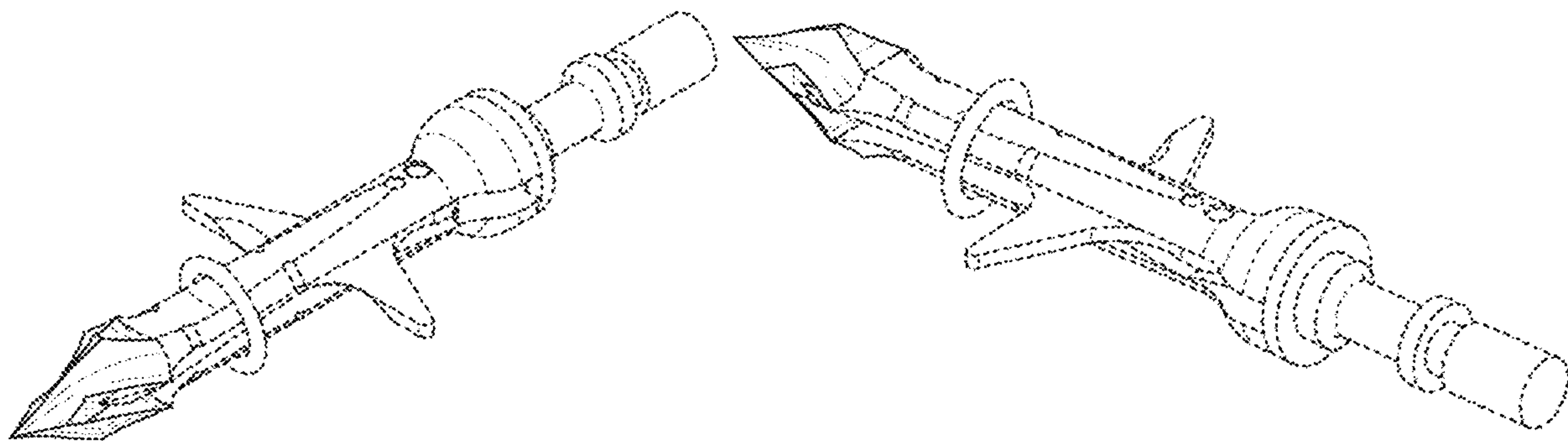
(56) **References Cited**

U.S. PATENT DOCUMENTS

1,225,497 A	5/1917	Rodzikevitch
1,330,291 A	2/1920	Witkowski
1,464,032 A	8/1923	Daynix
2,540,387 A	2/1951	Butler
2,568,417 A	9/1951	Steinbacher
2,725,656 A	12/1955	Schmidt
2,859,970 A	11/1958	Doonan
2,937,873 A	5/1960	Grissinger
2,939,708 A	6/1960	Scheib
3,014,305 A	12/1961	Yurchich
3,036,395 A	5/1962	Nelson
3,036,396 A	5/1962	Swails

(Continued)

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,164,385 A	1/1965	Shure	7,713,151 B2	5/2010	Fulton	
3,578,328 A	5/1971	Rickey	7,713,152 B1	5/2010	Tentler et al.	
3,738,657 A	6/1973	Cox	7,803,073 B2 *	9/2010	Sullivan	F42B 6/08
3,836,278 A *	9/1974	McInnes				473/584
4,099,720 A	7/1978	Zeren	7,942,765 B2 *	5/2011	Odabachian	F42B 6/08
4,166,619 A *	9/1979	Bergmann				473/583
4,203,601 A	5/1980	Simo	7,951,024 B2 *	5/2011	Mizek	F42B 6/08
D279,813 S	7/1985	Palizzolo				473/583
4,529,208 A *	7/1985	Simo	7,972,230 B2	7/2011	Donahoe	
			D645,329 S *	9/2011	Hsu	D8/86
4,643,435 A *	2/1987	Musacchia	8,043,177 B2	10/2011	Flanagan	
			8,062,155 B2 *	11/2011	Butcher	F42B 6/08
						473/578
4,651,999 A	3/1987	Sturm	8,079,926 B2	12/2011	Mackey, Jr. et al.	
D310,553 S *	9/1990	Kania	8,128,521 B1	3/2012	Ulmer	
5,067,731 A	11/1991	Bickel	8,147,361 B1 *	4/2012	Weaver	F42B 6/08
5,078,407 A	1/1992	Carlston et al.				473/583
5,090,709 A	2/1992	Johnson	8,182,378 B1 *	5/2012	Futture	F42B 6/08
5,133,261 A *	7/1992	Kelsey, Jr.				473/583
			8,197,367 B2	6/2012	Pulkhabek et al.	
			8,210,970 B1	7/2012	Sanford	
			8,210,971 B1 *	7/2012	Fulton	F42B 6/08
						473/583
D342,303 S	12/1993	Johnson	8,210,972 B2	7/2012	Adams et al.	
5,286,035 A	2/1994	Ward	8,272,979 B1 *	9/2012	Cooper	F42B 6/08
5,322,297 A	6/1994	Smith				473/583
D363,108 S *	10/1995	Johnson	D669,923 S *	10/2012	Watson	D15/139
5,458,341 A	10/1995	Forrest et al.	D674,864 S *	1/2013	Ward	D22/115
5,494,298 A *	2/1996	Maleski	8,398,510 B1 *	3/2013	Mizek	F42B 6/08
						473/583
D370,246 S	5/1996	Johnson	8,449,415 B2	5/2013	Grace	
D385,327 S *	10/1997	Delmonte	8,449,416 B2	5/2013	Grace et al.	
5,820,498 A *	10/1998	Maleski	8,469,842 B2 *	6/2013	Mizek	F42B 6/08
						473/583
5,857,930 A *	1/1999	Troncoso	8,469,843 B2 *	6/2013	Mizek	F42B 6/04
						473/583
5,879,252 A	3/1999	Johnson	8,475,302 B1	7/2013	Hummel, III	
6,200,237 B1 *	3/2001	Barrie	8,545,349 B1 *	10/2013	Budris	F42B 6/08
						473/583
6,217,467 B1 *	4/2001	Maleski	RE44,144 E	12/2013	Barrie et al.	
			D710,962 S *	8/2014	Pedersen	D22/107
6,258,000 B1 *	7/2001	Liechty, II	D711,489 S	8/2014	Pedersen	
			8,801,552 B2	8/2014	Miles	
6,283,880 B1 *	9/2001	Barrie	D713,919 S *	9/2014	Rager	D22/107
			8,894,519 B2	11/2014	Young	
6,287,223 B1 *	9/2001	Liechty, II	8,905,874 B2	12/2014	Sullivan et al.	
			8,926,457 B2 *	1/2015	Treto	F42B 6/08
						473/583
D455,627 S *	4/2002	Song	8,986,141 B2 *	3/2015	Pedersen	F42B 12/34
6,398,676 B1	6/2002	Mizek				473/583
6,517,453 B2	2/2003	LaSee	D726,792 S *	4/2015	Velozny	D15/139
6,540,628 B1	4/2003	Musacchia, Jr.	D730,471 S	5/2015	Pedersen	
6,554,727 B1 *	4/2003	Armstrong	9,028,349 B2 *	5/2015	Budris	F42B 6/08
						473/583
D474,388 S *	5/2003	Wu	9,068,806 B2 *	6/2015	Pedersen	F42B 12/34
6,595,881 B1	7/2003	Grace, Jr. et al.	D743,500 S *	11/2015	Pedersen	D22/107
6,669,586 B2	12/2003	Barrie et al.	D743,501 S *	11/2015	Pedersen	D22/107
6,743,128 B2 *	6/2004	Liechty, II	D745,619 S	12/2015	Pedersen	
			9,239,216 B2 *	1/2016	Hartcraft	F42B 6/08
			9,335,135 B2	5/2016	Powell	
6,758,774 B2	7/2004	Leichthy, II	9,400,160 B1 *	7/2016	Miles	F42B 6/08
6,793,596 B1 *	9/2004	Sullivan	D765,208 S *	8/2016	Loa	D22/107
			D774,615 S	12/2016	Pedersen	
			D781,980 S *	3/2017	Wallace	D22/107
6,830,523 B1	12/2004	Kuhn	9,857,152 B2 *	1/2018	Franco, Sr.	F42B 6/08
6,863,630 B1	3/2005	Watkins et al.	9,857,153 B1	1/2018	Redline	
6,935,976 B1	8/2005	Grace, Jr. et al.	9,863,744 B2	1/2018	Allison	
7,074,143 B2	7/2006	Czemske et al.	9,879,955 B2 *	1/2018	Rowley	F42B 6/08
7,234,220 B1 *	6/2007	Grace, Jr.	9,879,956 B2	1/2018	Derus et al.	
			9,903,693 B2	2/2018	Salvino et al.	
			9,915,510 B1	3/2018	Huang	
7,311,622 B1	12/2007	Futture	9,976,835 B2 *	5/2018	Pedersen	F42B 6/08
7,314,419 B2	1/2008	Grace et al.	10,281,250 B2 *	5/2019	Beck	F42B 6/08
D583,897 S	12/2008	Ward	10,415,940 B2 *	9/2019	Sullivan	F42B 6/08
7,485,056 B2	2/2009	Sullivan et al.	D863,492 S *	10/2019	Mahnke	F42B 10/46
D606,833 S *	12/2009	Robinson				D22/115
D606,834 S *	12/2009	Robinson	10,436,556 B1 *	10/2019	Ohlau	F42B 6/08
D606,835 S *	12/2009	Robinson	10,458,763 B2 *	10/2019	Blosser	F42B 6/08
D610,220 S *	2/2010	Vandewater				

(56)

References Cited

U.S. PATENT DOCUMENTS

10,495,426 B2 * 12/2019 Haas F42B 6/08
D878,439 S * 3/2020 Chen D15/139
10,591,262 B1 * 3/2020 Osborn F42B 6/08
10,627,197 B2 * 4/2020 Kozlik F42B 6/08
10,697,744 B1 * 6/2020 Kinzer F42B 6/08
2003/0073525 A1 4/2003 Liechty, II
2006/0084535 A1 4/2006 Kuhn
2006/0276276 A1 12/2006 Polando
2007/0037640 A1 2/2007 Rager
2007/0123378 A1 5/2007 Polando
2008/0113834 A1 5/2008 Harwath et al.
2008/0248903 A1 10/2008 Cyr et al.
2009/0111621 A1 4/2009 Mizek
2009/0203477 A1 8/2009 Mizek et al.
2010/0173734 A1 * 7/2010 Robbins F42B 6/08
473/584
2014/0194234 A1 * 7/2014 Miles F42B 6/08
473/583

2016/0010962 A1 1/2016 Pedersen
2016/0153757 A1 * 6/2016 Mahnke F42B 10/46
102/501
2016/0195376 A1 * 7/2016 Rowley F42B 6/08
473/583
2016/0273893 A1 9/2016 Pedersen
2017/0227338 A1 * 8/2017 Haas F42B 6/08
2018/0112957 A1 * 4/2018 Haas F42B 6/08
2018/0245892 A1 * 8/2018 Haas F42B 6/08

OTHER PUBLICATIONS

Pope and Young Club/St. Charles Museum; Jul. 9, 2014; retrieved from the Internet: <https://www.youtube.com/watch?v=tlcw9Q5Y_rM>; 4 pages.
The Great North West Trading Company;Traditional/Vintage Broadheads; On or before Dec. 31, 2005; retrieved from the Internet: <<http://gnwtc.com/benpearsonblades.htm>>; 46 pages.
* cited by examiner

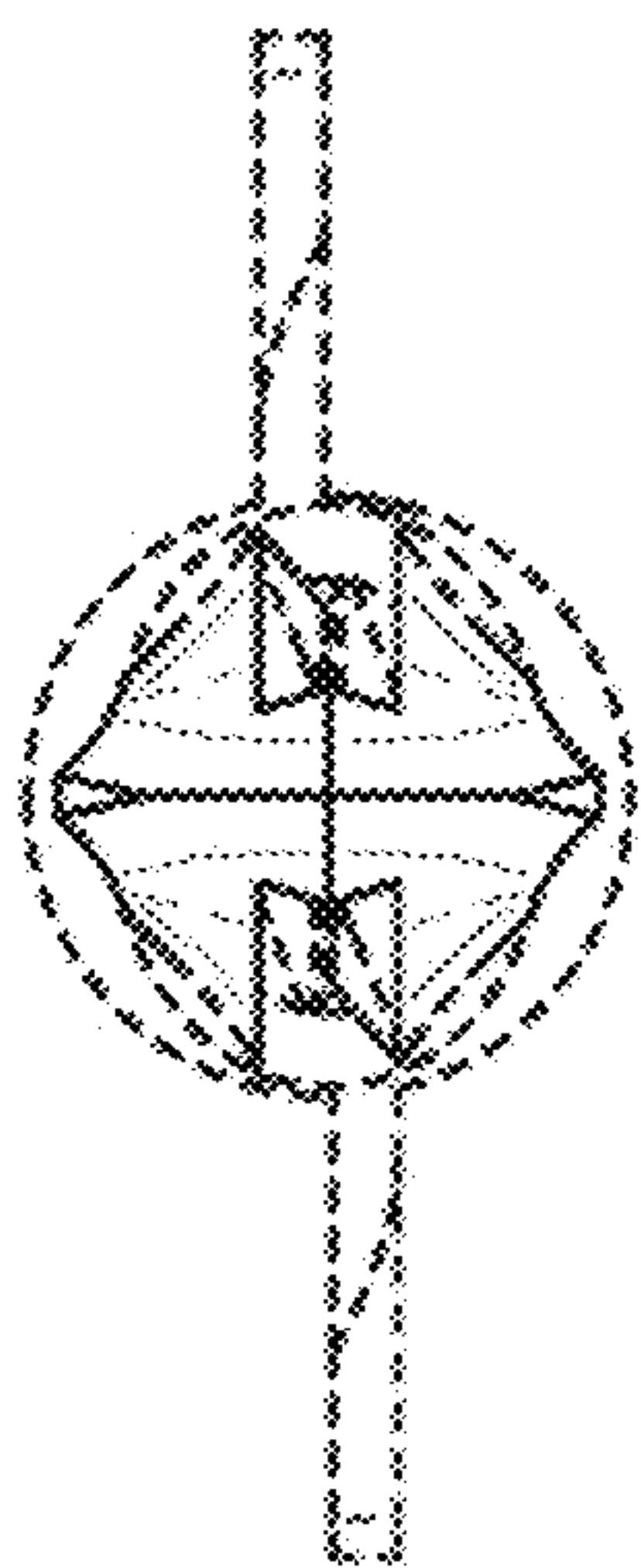


FIG. 1

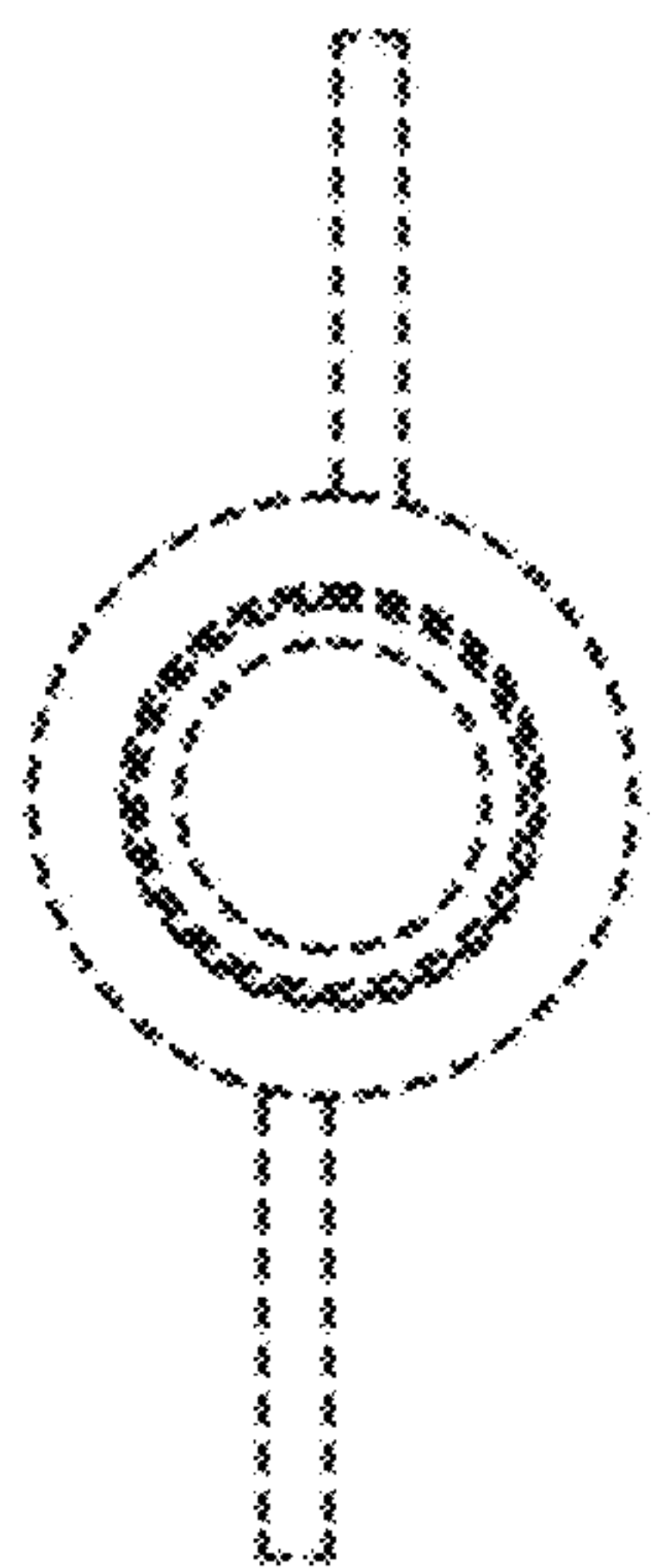


FIG. 2

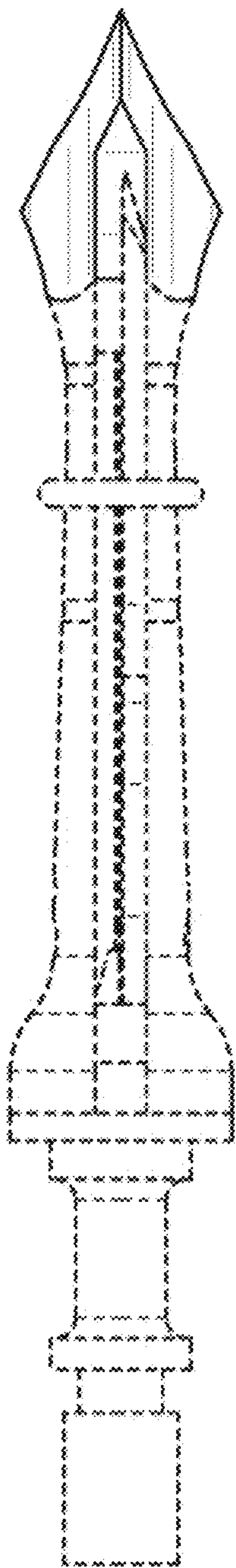


FIG. 3

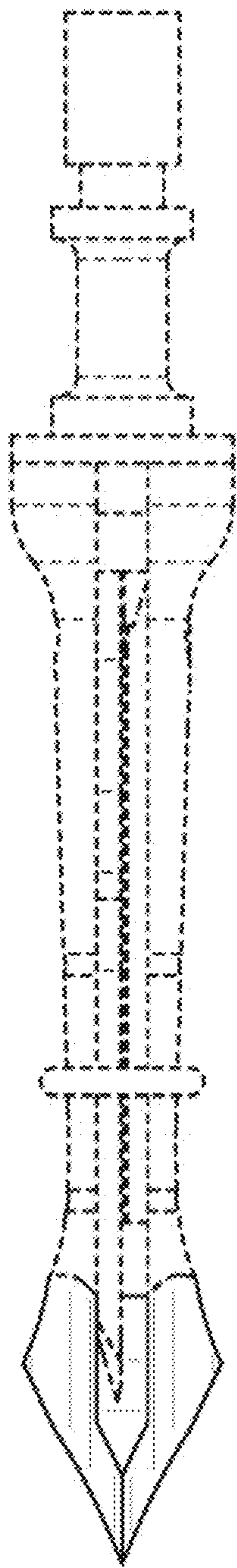


FIG. 4

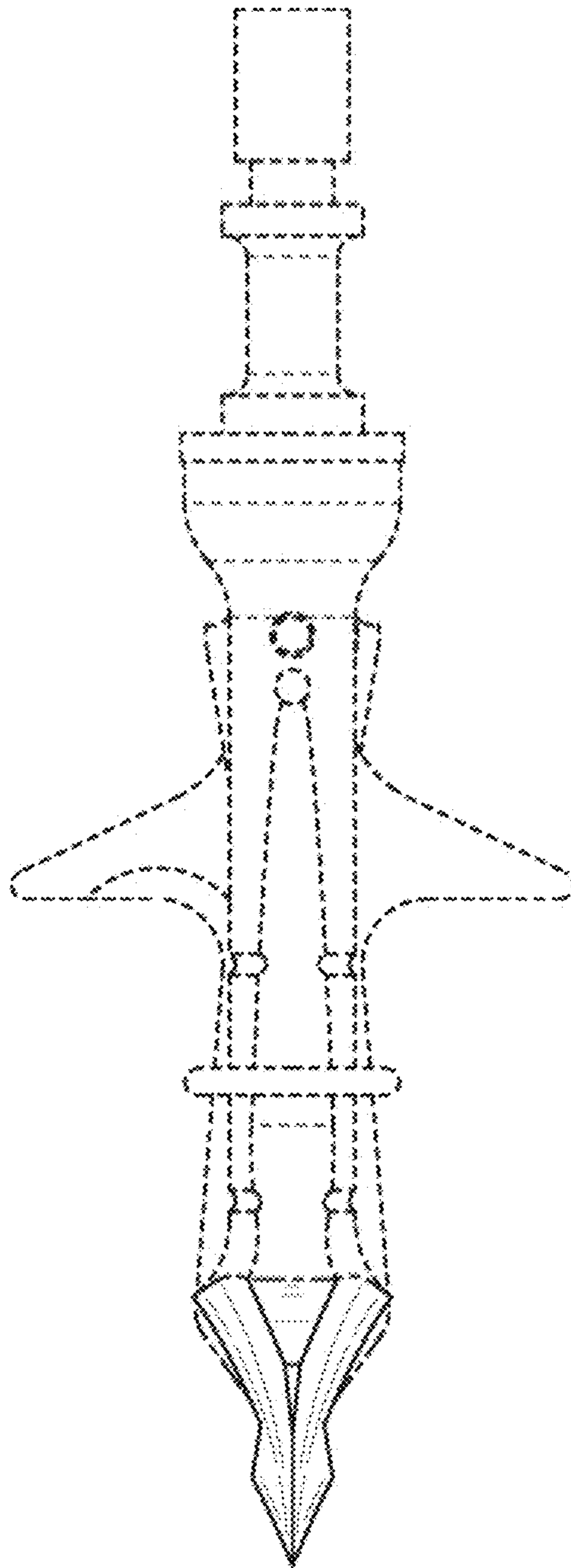


FIG. 5

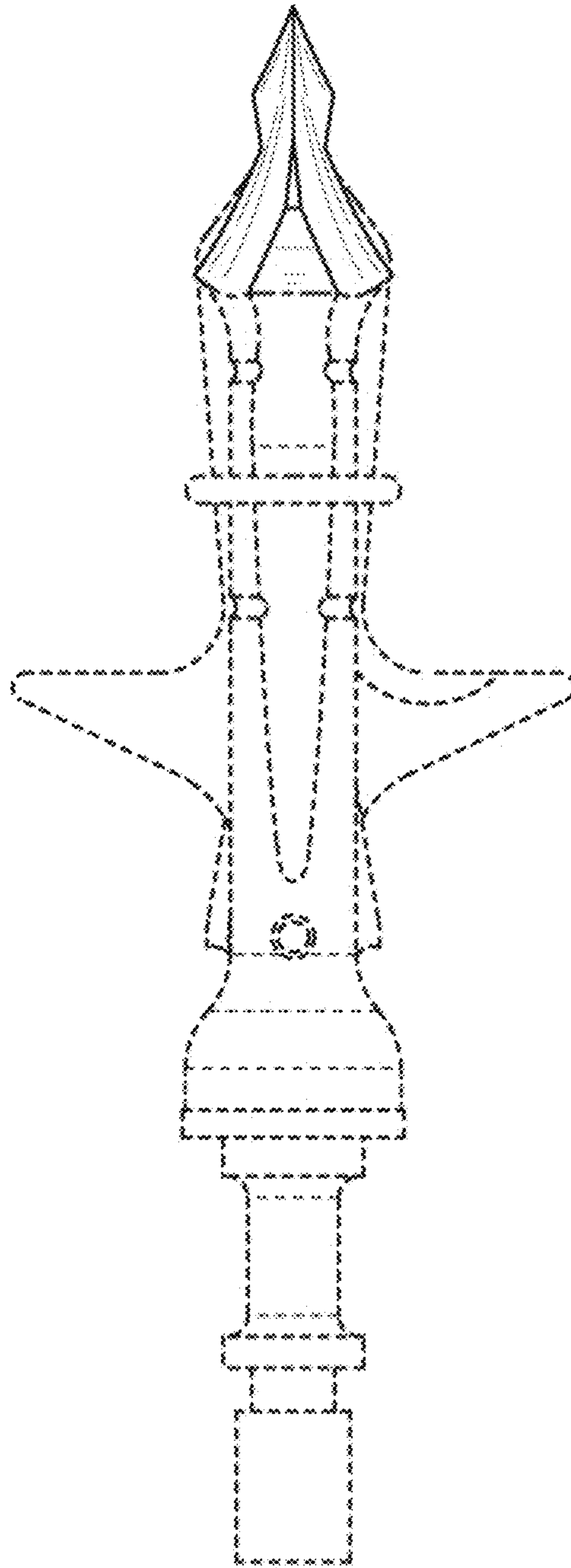


FIG. 6

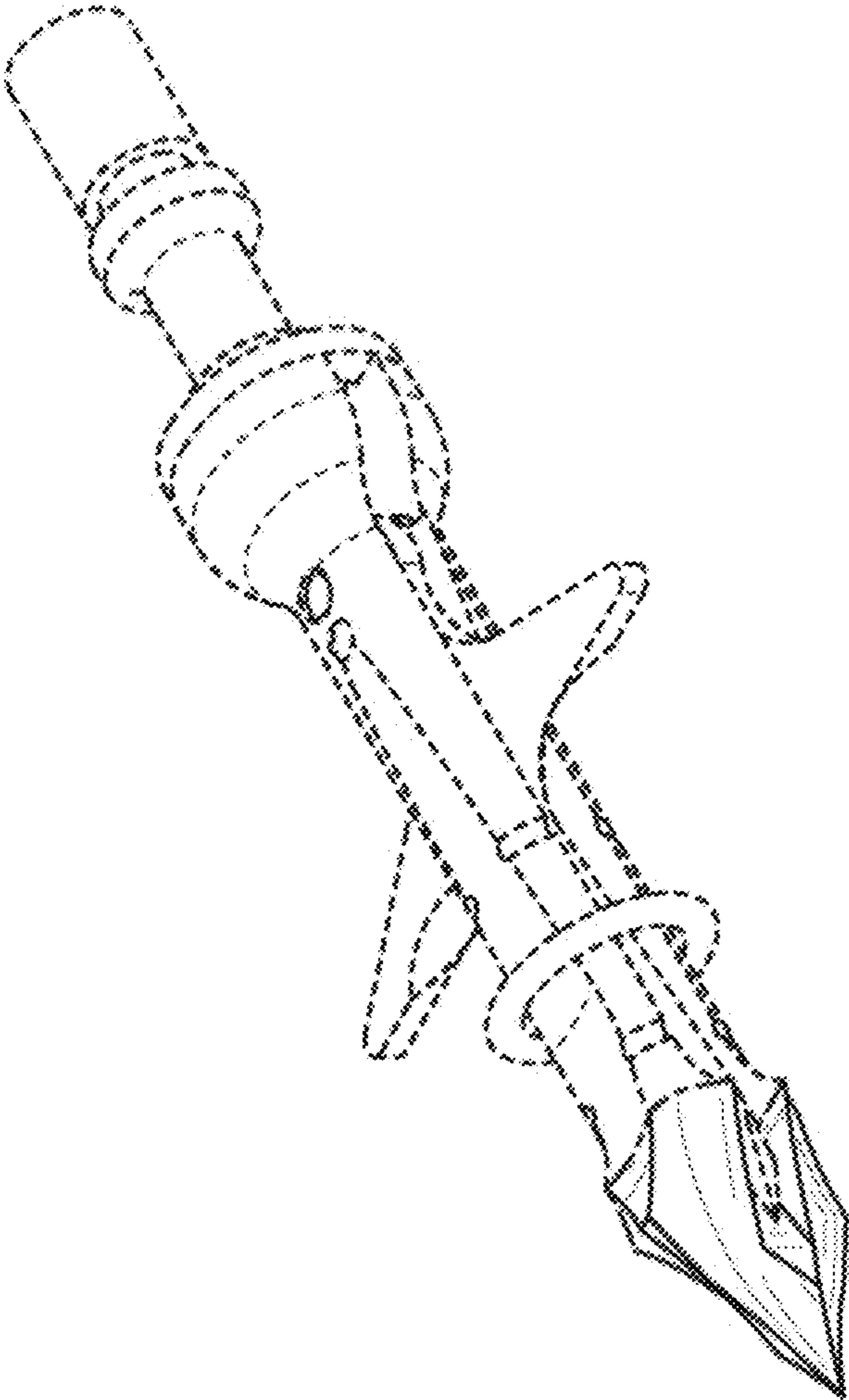


FIG. 7

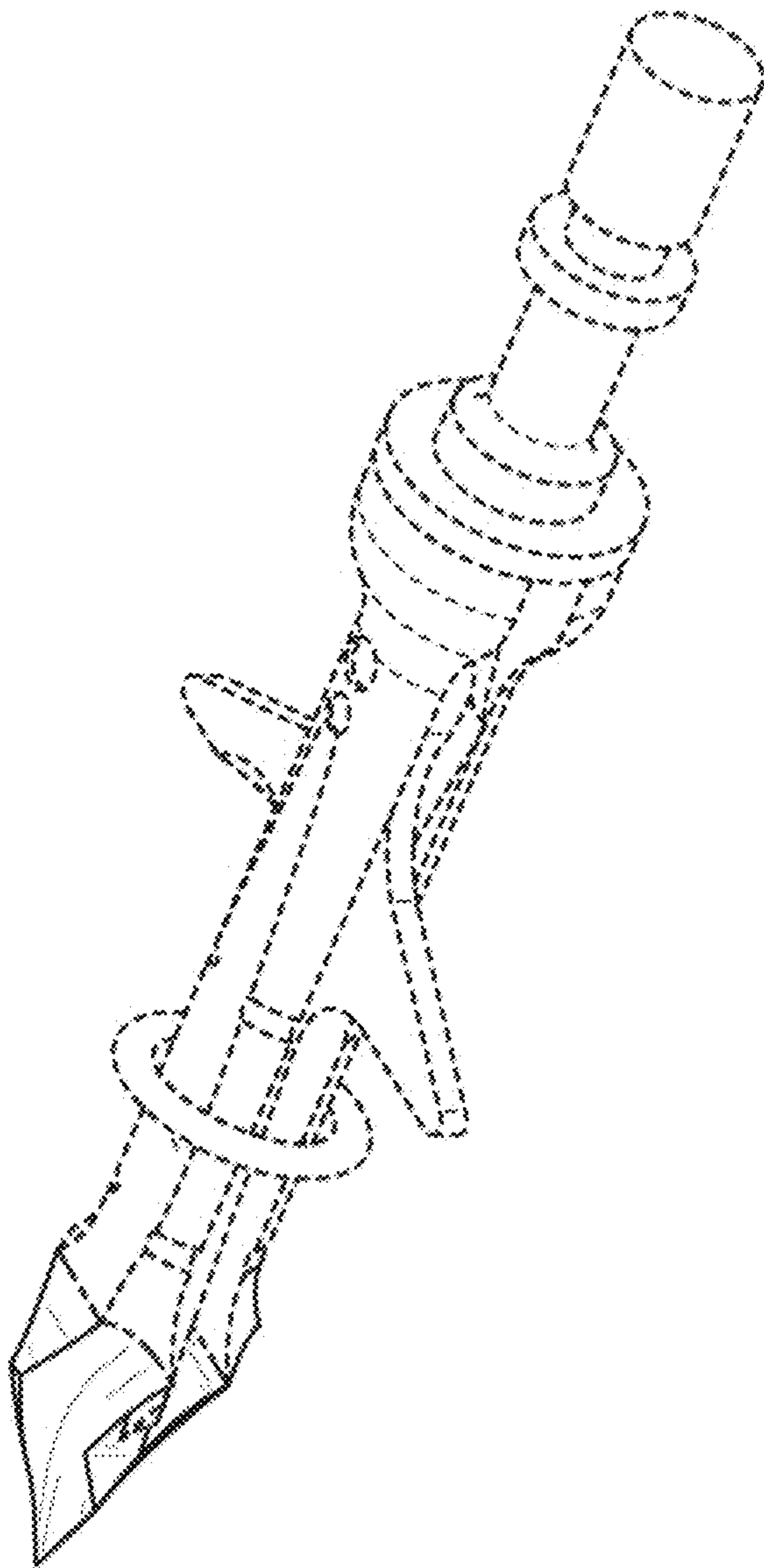


FIG. 8