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

(10) **Patent No.:** **US D644,380 S**

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- (54) **UPPER ARM PROTECTION SYSTEM**
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- (73) Assignee: **Soldier Technology and Armor Research Industries, LLC**, Akron, OH (US)
- (\*\*) Term: **14 Years**

5,087,516 A	2/1992	Groves	
D328,960 S *	8/1992	Douglas	D29/101.2
5,157,792 A	10/1992	Allen et al.	
5,179,244 A	1/1993	Zufle	
5,180,880 A	1/1993	Zufle	
5,306,557 A	4/1994	Madison	
5,325,538 A	7/1994	Schoenweiss et al.	
5,331,683 A	7/1994	Stone et al.	
5,373,582 A	12/1994	Dragone et al.	
5,410,756 A	5/1995	Hutson	

(Continued)

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(51) **LOC (9) Cl.** ..... **29-10**

(52) **U.S. Cl.** ..... **D29/101.2**

(58) **Field of Classification Search** ..... D29/100, D29/101, 101.1, 101.2, 101.3, 101.4; 2/2, 2/2.5, 16, 44, 45, 268, 459; D24/190

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,867,239 A	2/1975	Alesi et al.	
3,873,998 A	4/1975	Norris et al.	
4,181,768 A	1/1980	Severin	
4,183,097 A	1/1980	Mellian	
4,241,457 A	12/1980	Klein et al.	
4,413,357 A	11/1983	Sacks	
4,483,020 A	11/1984	Dunn	
4,514,862 A *	5/1985	A'Costa	2/459
4,522,871 A	6/1985	Armellino, Jr. et al.	
4,530,111 A	7/1985	Barron et al.	
4,535,478 A	8/1985	Zufle	
4,578,821 A	4/1986	Zufle	
4,660,223 A	4/1987	Fritch	
4,680,812 A	7/1987	Weigl	
D298,365 S *	11/1988	Acerbis	D29/101.2
4,850,050 A	7/1989	Droste et al.	
4,989,266 A	2/1991	Borgese et al.	
5,020,157 A	6/1991	Dyer	
5,044,011 A	9/1991	Henderson	
5,073,985 A	12/1991	Stone et al.	

**FOREIGN PATENT DOCUMENTS**

DE 29605503 U 9/1996

(Continued)

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(57) **CLAIM**

The ornamental design for an upper arm protection system, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view showing the left side of an upper arm protection system according to the invention.

FIG. 2 is a front elevation thereof.

FIG. 3 is a rear elevation thereof.

FIG. 4 is an alternate rear elevation thereof.

FIG. 5 is a left side elevation thereof.

FIG. 6 is a right side elevation thereof.

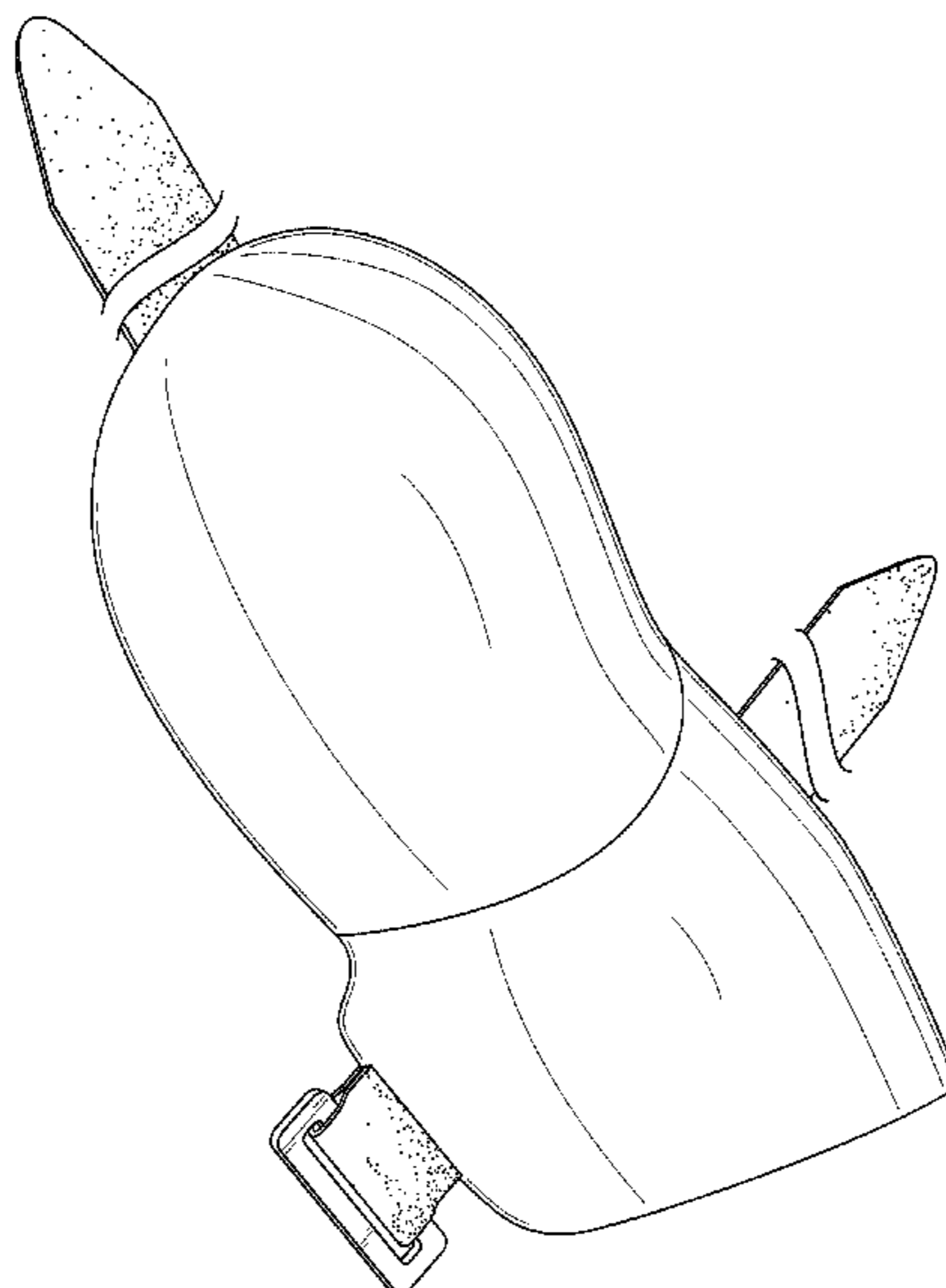
FIG. 7 is a top front perspective thereof.

FIG. 8 is a bottom rear perspective thereof; and,

FIG. 9 is a perspective view thereof as worn by a user.

Not illustrated is the right side of an upper arm protection system, which is a mirror image of the left side. The broken lines illustrating the user depict environmental subject matter only and form no part of the claimed design.

**1 Claim, 9 Drawing Sheets**



# US D644,380 S

## U.S. PATENT DOCUMENTS

5,471,906	A	12/1995	Bachner, Jr. et al.
5,472,769	A	12/1995	Goerz, Jr. et al.
5,495,620	A	3/1996	Schoenweiss et al.
5,495,621	A	3/1996	Kibbee
5,509,057	A	4/1996	Anello et al.
5,611,080	A *	3/1997	Skottheim ..... 2/16
D381,125	S *	7/1997	Weiler ..... D29/101.2
5,697,098	A	12/1997	Miguel-Bettencourt et al.
5,771,489	A	6/1998	Snedeker
5,796,028	A	8/1998	Field et al.
5,804,757	A	9/1998	Wynne
5,970,513	A	10/1999	Kocher
5,996,115	A	12/1999	Mazelsky
6,012,162	A	1/2000	Bullat
6,026,510	A	2/2000	Kocher
6,098,196	A	8/2000	Logan
6,103,641	A	8/2000	Gehring, Jr.
6,119,575	A	9/2000	Dragone et al.
6,129,383	A	10/2000	Kocher, Jr.
6,276,255	B1	8/2001	Field et al.
6,363,527	B1	4/2002	Biermann et al.
6,370,690	B1	4/2002	Neal
6,418,832	B1	7/2002	Colvin
6,453,791	B1	9/2002	Seitzinger
D468,061	S	12/2002	Leahy et al.
6,605,334	B2	8/2003	Bettencourt
6,627,562	B1	9/2003	Gehring, Jr.
6,651,543	B2	11/2003	Park
6,681,400	B1	1/2004	Mills
6,698,024	B2	3/2004	Graves et al.
6,705,197	B1	3/2004	Neal
6,766,529	B1	7/2004	Nathan
6,793,291	B1	9/2004	Kocher
6,845,513	B2	1/2005	Field et al.
D504,980	S	5/2005	Le Carpentier
6,892,392	B2	5/2005	Crye et al.
D508,588	S *	8/2005	Groover ..... D29/100
6,922,847	B2	8/2005	Bachner, Jr.
6,961,957	B2	11/2005	Carlson
6,997,218	B1	2/2006	Garcia et al.
7,010,811	B1	3/2006	Park
7,076,806	B1	7/2006	Van Winkle et al.
7,100,490	B2	9/2006	Muller, Jr.
7,128,963	B2	10/2006	Benitsch
7,143,446	B1	12/2006	Gionfriddo
7,150,217	B2	12/2006	Kershaw
D542,476	S	5/2007	Carpentier

7,226,878	B2	6/2007	Wagner et al.
D552,302	S	10/2007	Le Carpentier
D553,299	S	10/2007	Le Carpentier
7,282,462	B1	10/2007	Ohnstad et al.
7,288,493	B2	10/2007	Bhatnagar et al.
D554,806	S	11/2007	Le Carpentier
D568,544	S	5/2008	Crye et al.
D569,043	S	5/2008	Crye et al.
D569,044	S	5/2008	Crye et al.
D569,045	S	5/2008	Crye et al.
D569,046	S	5/2008	Crye et al.
D573,311	S	7/2008	Crye et al.
7,401,363	B2	7/2008	Hatfield et al.
7,437,883	B1	10/2008	Baldal
7,441,278	B2	10/2008	Blakeley
7,444,686	B2	11/2008	Stewart
D582,608	S	12/2008	Palmer
7,498,276	B2	3/2009	Wagner et al.
7,536,728	B1	5/2009	Leathers
7,571,493	B1	8/2009	Purvis et al.
2007/0245441	A1	10/2007	Hunter
2008/0098500	A1	5/2008	Matic et al.
2009/0113589	A1	5/2009	Haakana

## FOREIGN PATENT DOCUMENTS

EM	000025820-0001	4/2003
EM	000220983-0035	12/2004
EM	000220983-0036	12/2004
EM	000528088-0002	6/2006
EM	000674379-0001	3/2007
EM	000715297-0002	6/2007
EM	000715297-0003	6/2007
EM	000975008-0001	8/2008
EP	1409948 B	4/2004
GB	2028229	6/1993
GB	2031425	9/1993
GB	2034536	11/1994
GB	2049634	6/1996
GB	2050509	7/1996
GB	2101822	12/2001
GB	3020225	3/2005
GB	4011670	6/2009
WO	WO2008111925 A	4/2004
WO	WO2007140626 A	12/2007
WO	WO2008097387 A	8/2008
WO	WO2009045243 A	4/2009
WO	WO 09073257 A	6/2009

\* cited by examiner



FIG. 1



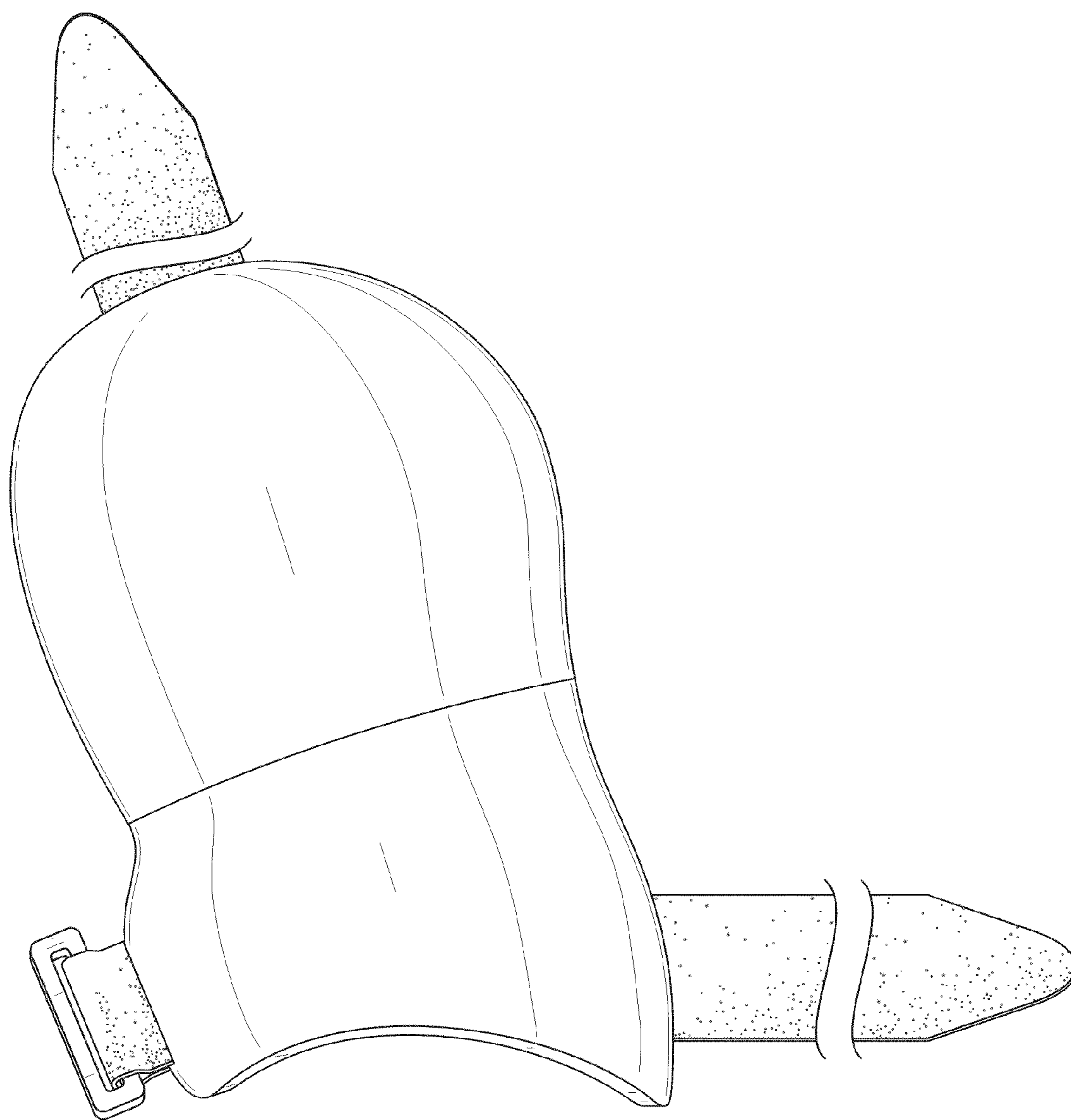


FIG. 2

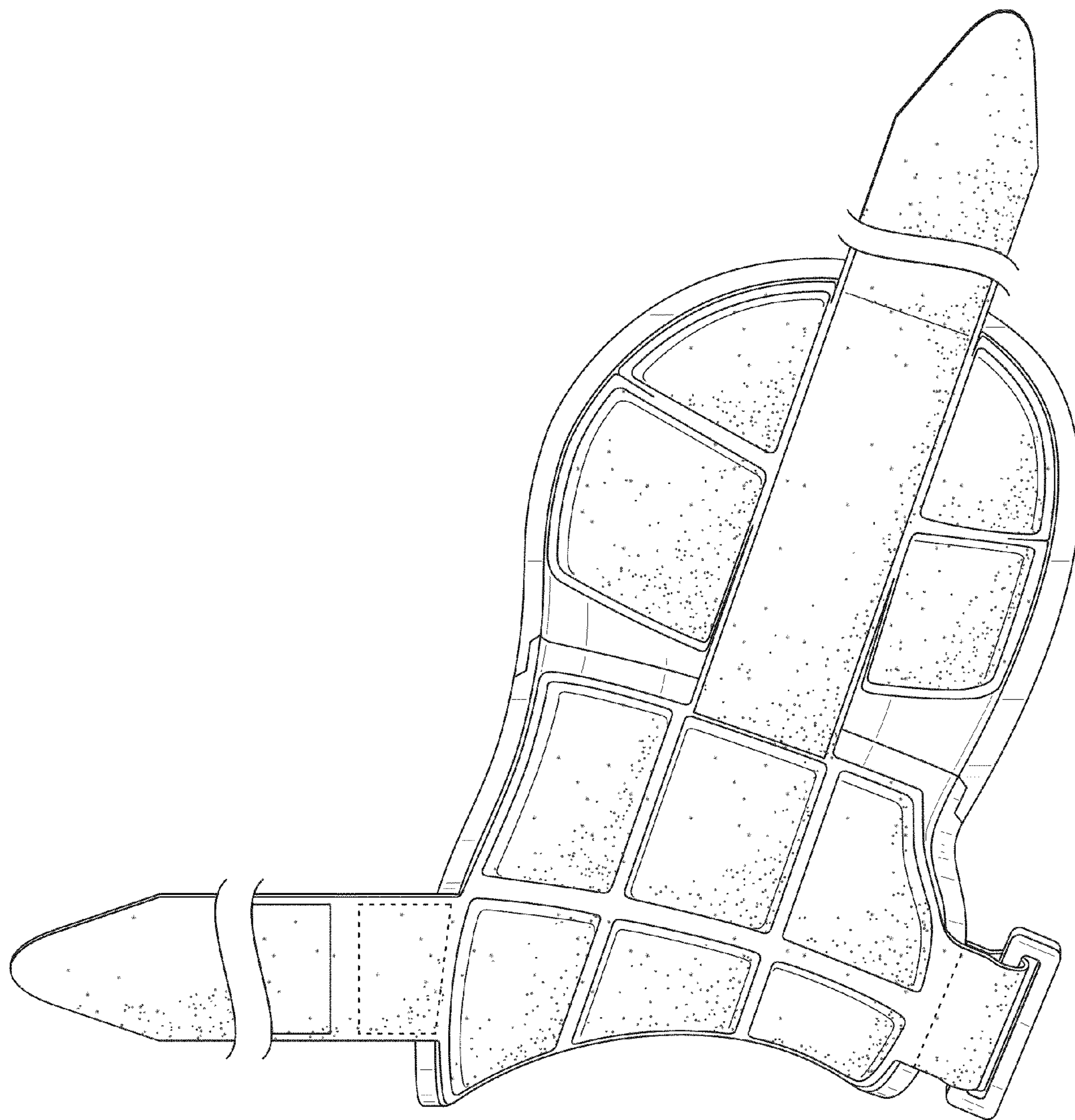


FIG. 3

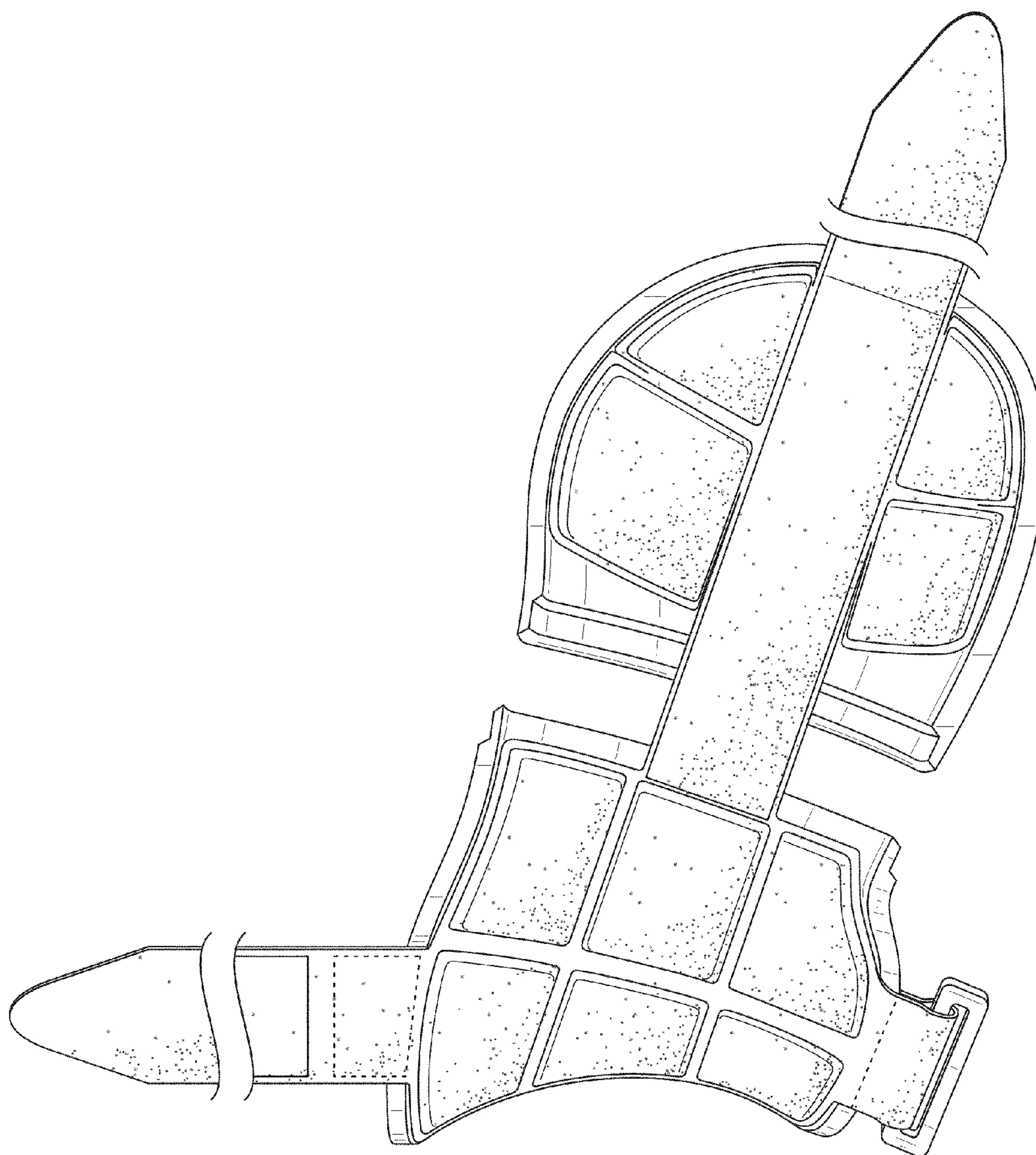


FIG. 4

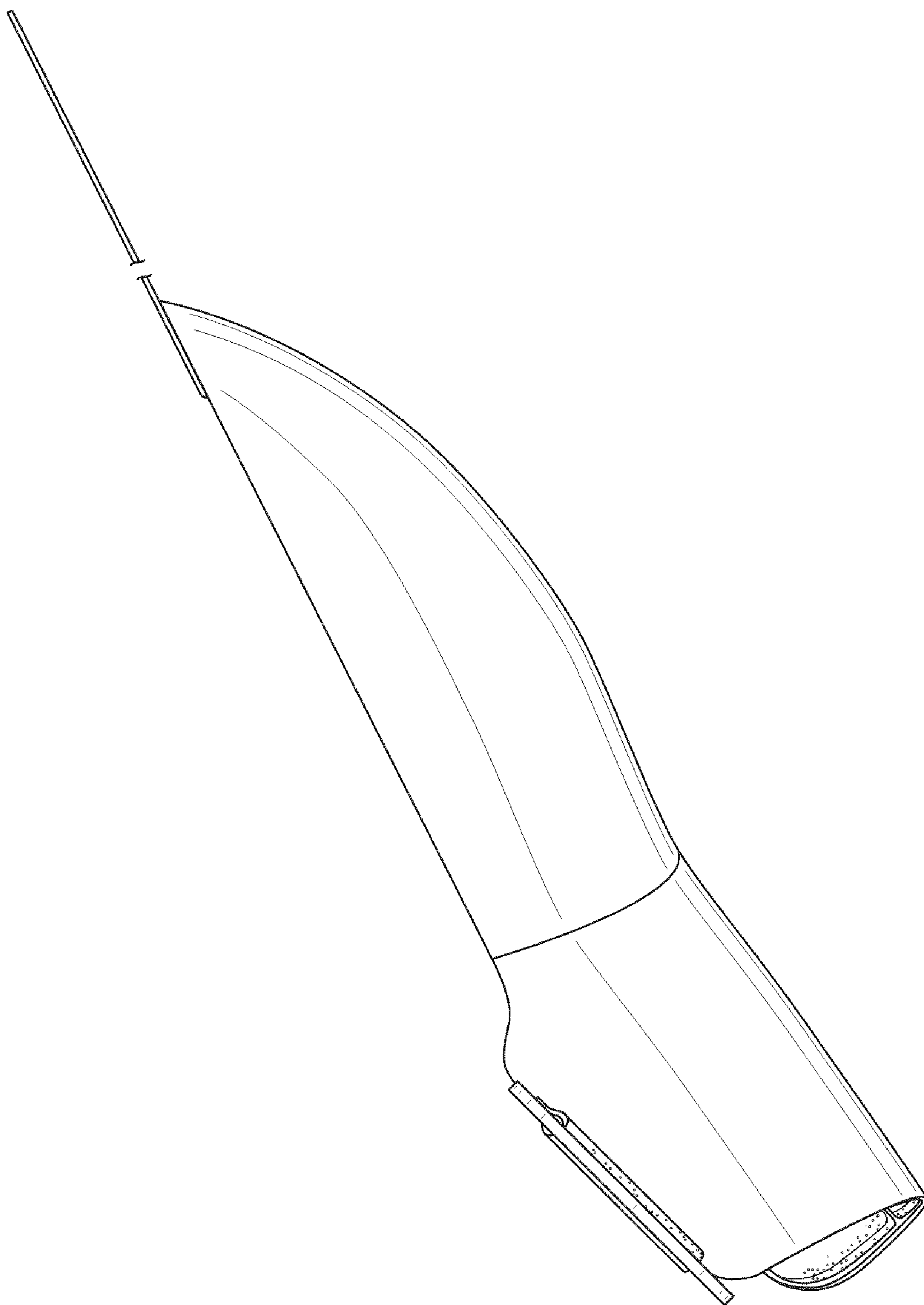


FIG. 5

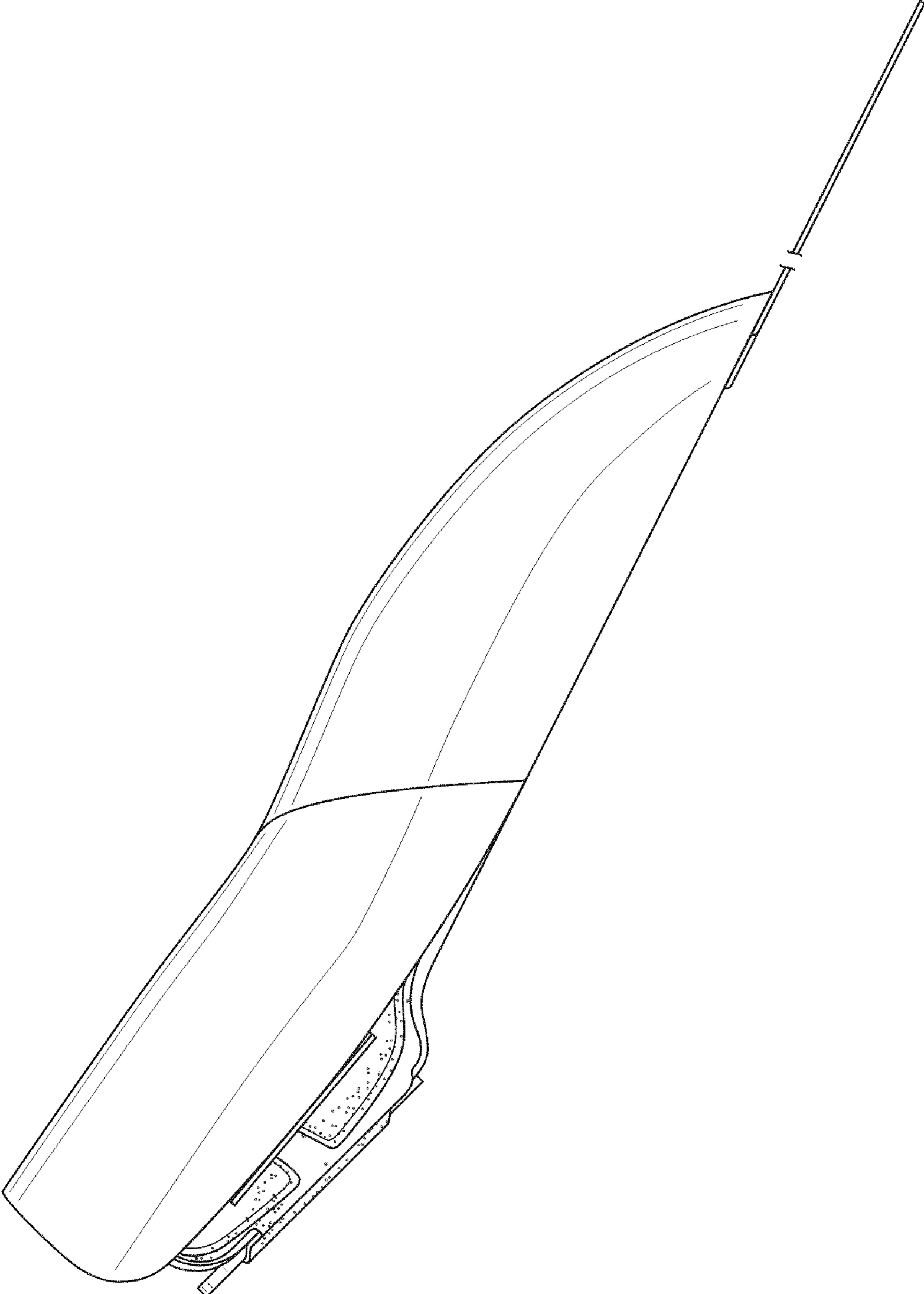


FIG. 6



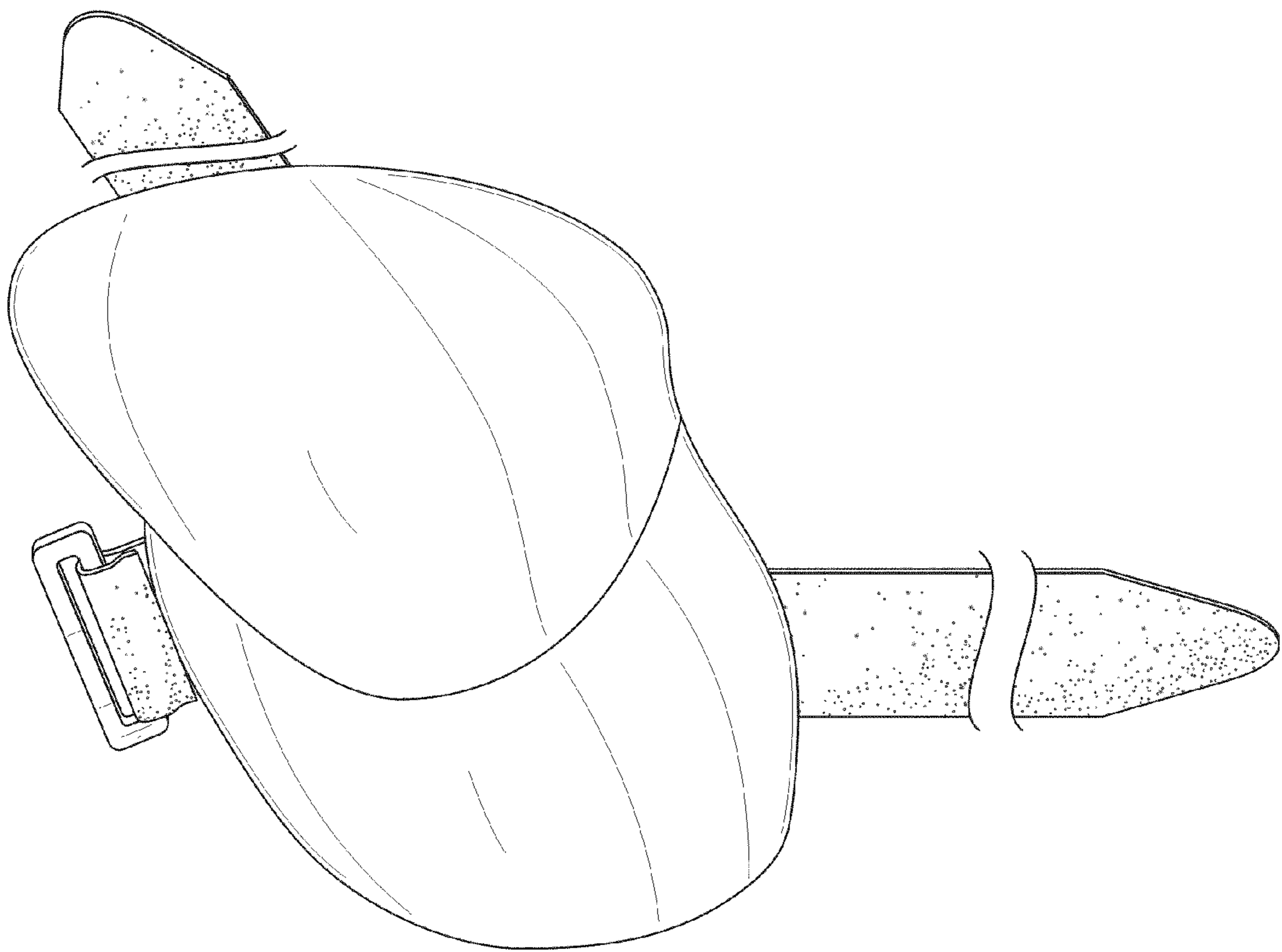


FIG. 7

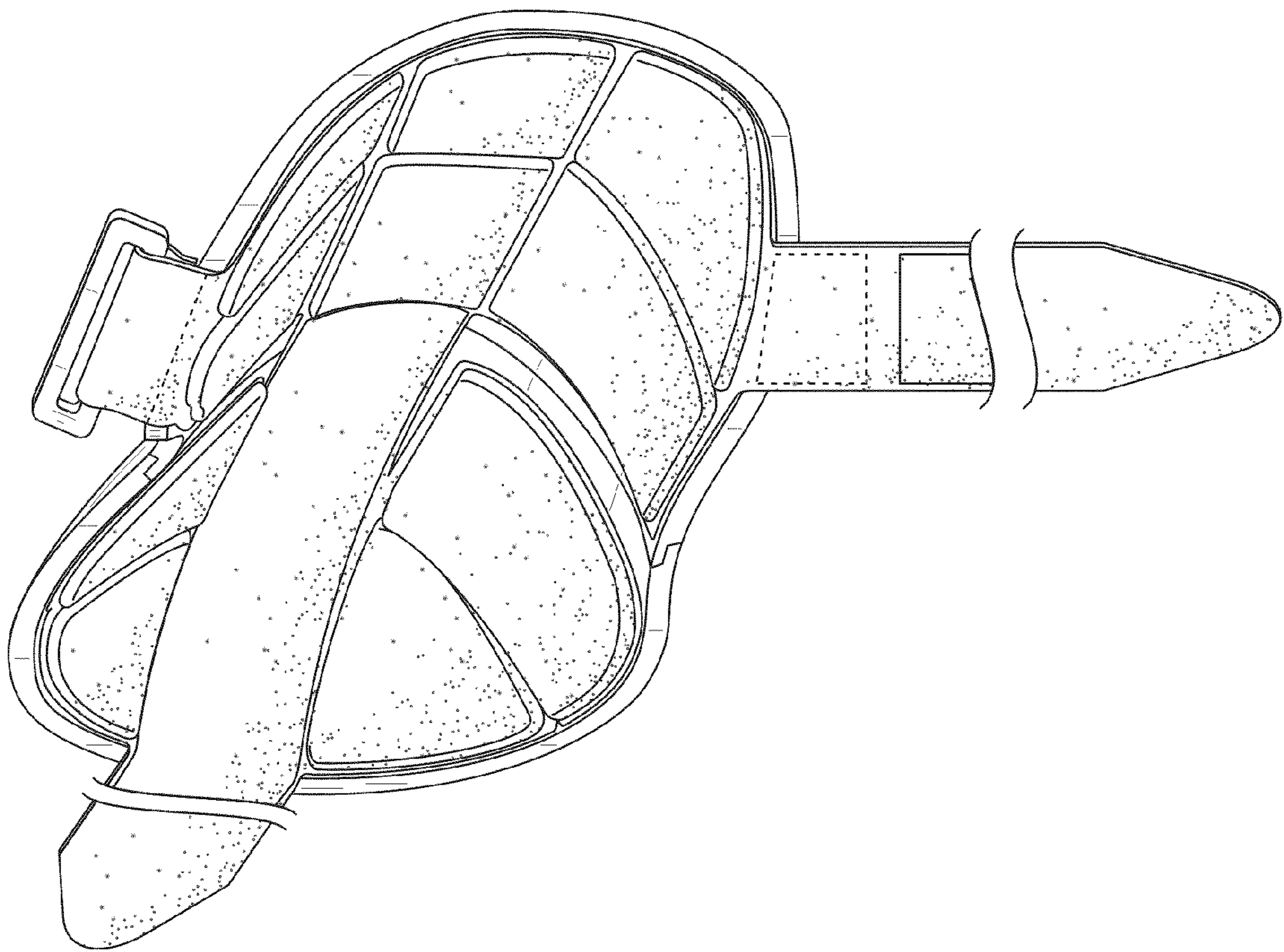


FIG. 8

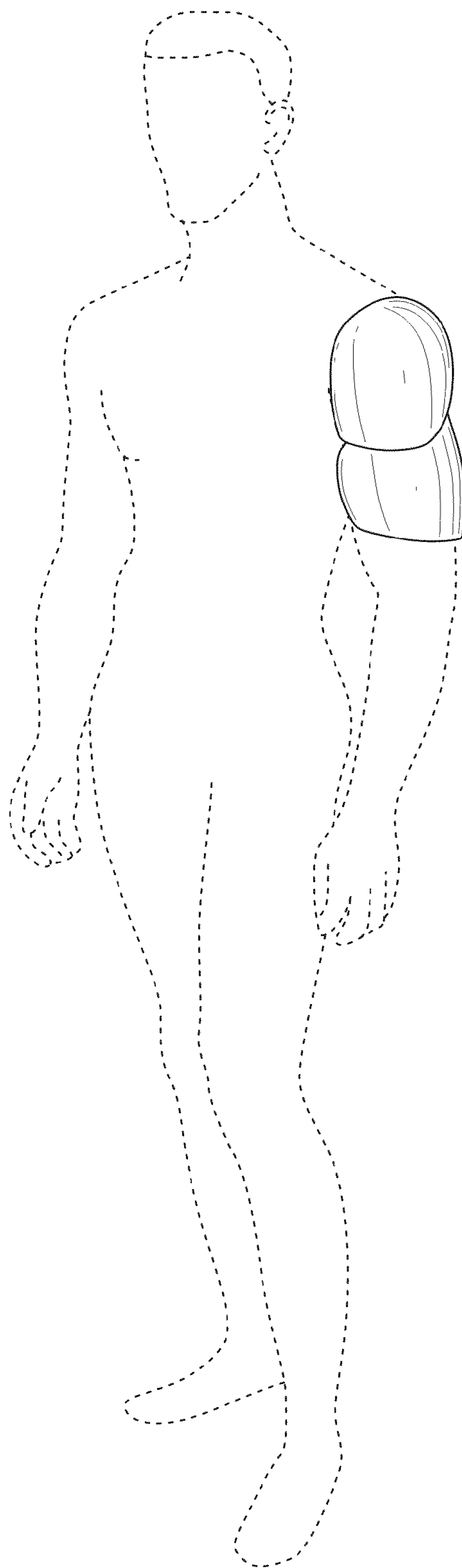


FIG. 9