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

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(54) **ICE SCRAPER**

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(52) **U.S. Cl.**
USPC **D32/46**

(58) **Field of Classification Search**
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D4/138
CPC A47L 13/10; A47L 13/12; A47J 37/0786;
A47J 37/00; A47J 37/07; A45F 5/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,040,140	A *	8/1977	Hopkins	.....	B60S 3/045
					15/236.02
4,302,862	A *	12/1981	Machacek	.....	B60S 3/045
					15/117
D292,532	S *	10/1987	Strongwater	.....	D32/49
D335,771	S *	5/1993	Mallory	.....	D32/42
D388,570	S *	12/1997	Humphries	.....	D32/42
D392,784	S *	3/1998	Hellinger	.....	D32/49
D415,325	S *	10/1999	Hellinger	.....	D32/46
D422,125	S *	3/2000	Sneed	.....	D32/49
D459,847	S *	7/2002	Ingram	.....	D32/49
D485,031	S *	1/2004	Anderson	.....	D32/42

D542,490	S *	5/2007	Barnes, Jr.	.....	D32/49
D542,491	S *	5/2007	Barnes, Jr.	.....	D32/49
D649,313	S *	11/2011	Ediger	.....	D32/41
D652,593	S *	1/2012	Wu	.....	D32/40
8,312,589	B1 *	11/2012	Thomas	.....	A47L 1/16
					15/236.02
9,084,525	B2 *	7/2015	Cohen	.....	A47L 13/12
9,872,591	B2 *	1/2018	Casavan	.....	B25G 1/00
D841,918	S *	2/2019	Tschopp	.....	D32/46
10,537,215	B1 *	1/2020	Strong	.....	A47L 1/16

(Continued)

FOREIGN PATENT DOCUMENTS

CA	108770	*	4/2006
RU	00093464	*	5/2015

OTHER PUBLICATIONS

Amazon.com: Suncast SSD9500 10"DLX Ice Chop, website 2021,
<https://www.amazon.com/SUNCAST-SSD9500-DLX-Chop-Scraper/dp/B00IOX69YG/ref...> site visited Mar. 13, 2021.*

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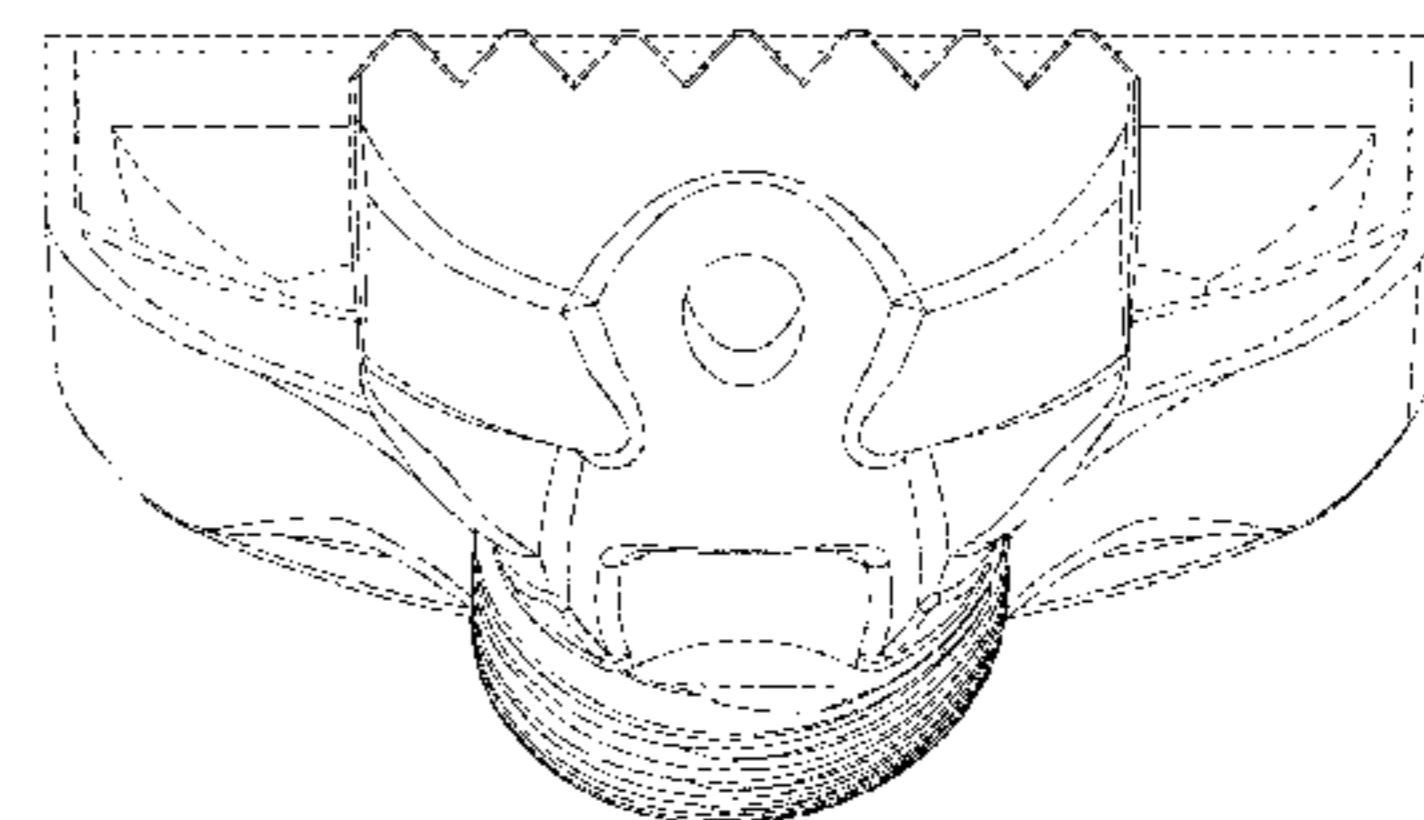
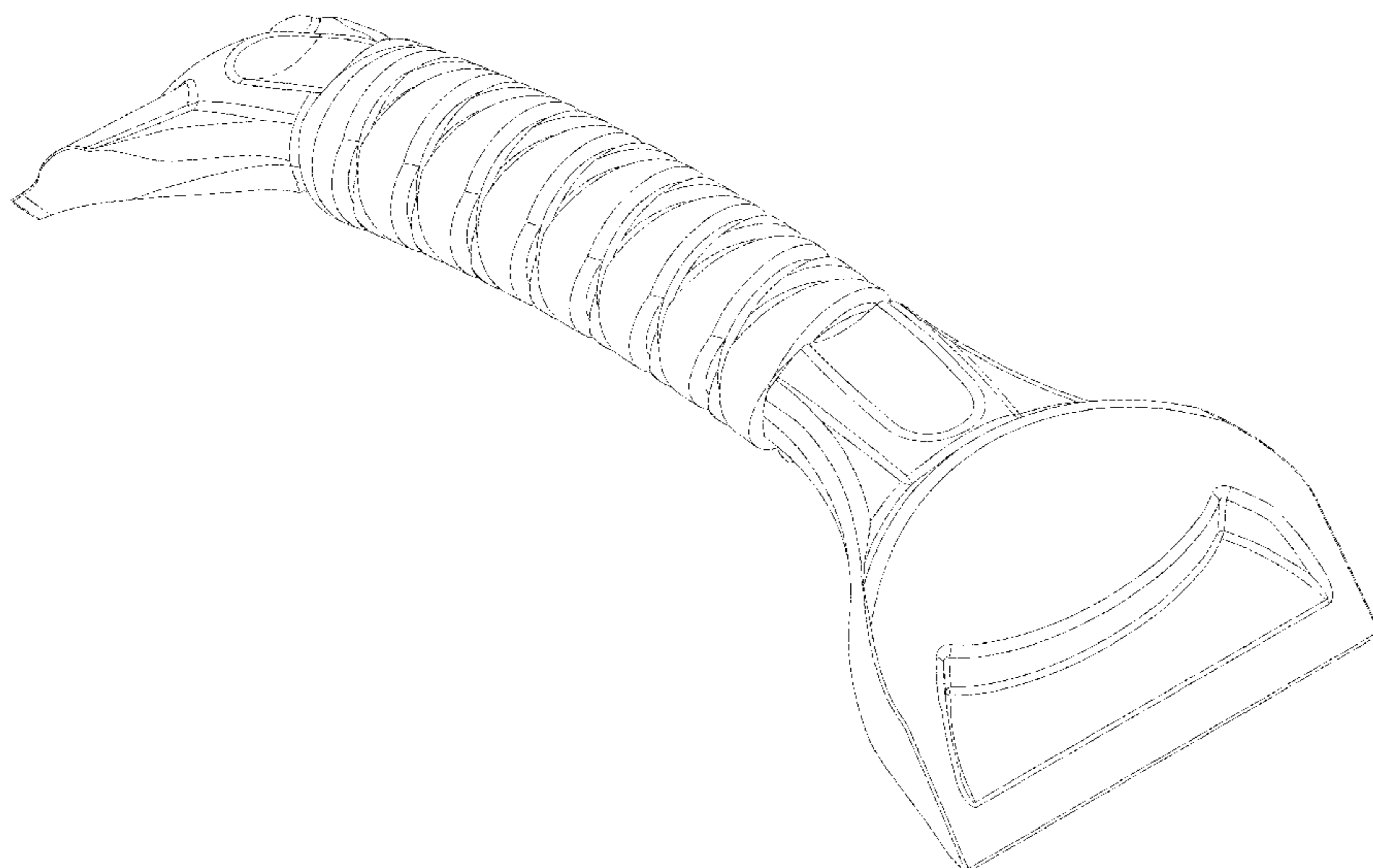
(57) **CLAIM**

The ornamental design for an ice scraper, as shown and described.

DESCRIPTION

FIG. 1 is a top front left perspective view of the ice scraper of the present invention;
FIG. 2 is a top front right perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof; and,
FIG. 7 is a top view thereof.
The broken lines in the figures illustrate portions of the ice scraper that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D889,851 S * 7/2020 Lei D4/118
2018/0021935 A1* 1/2018 Blouin B25G 1/00
16/110.1

* cited by examiner

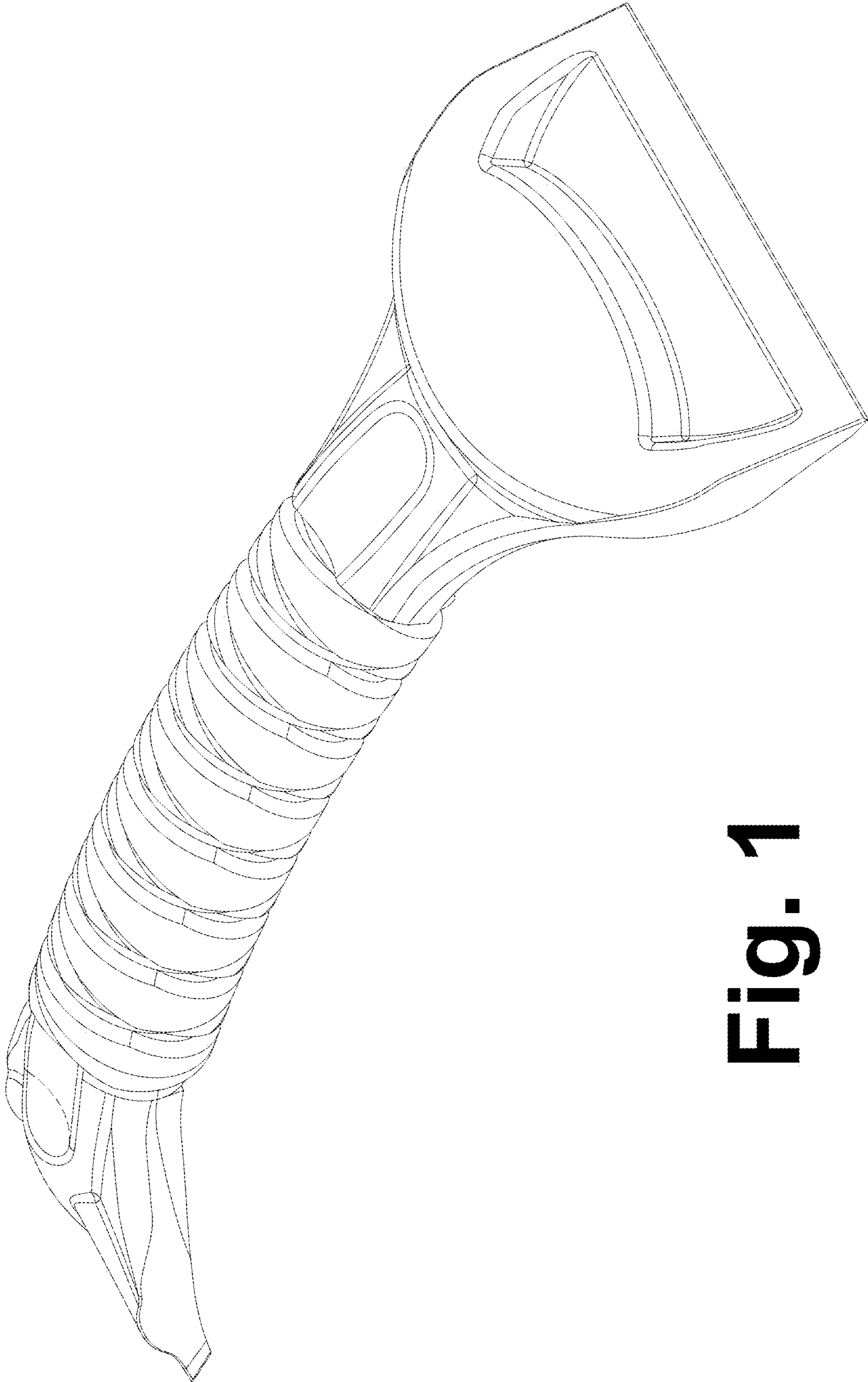


Fig. 1

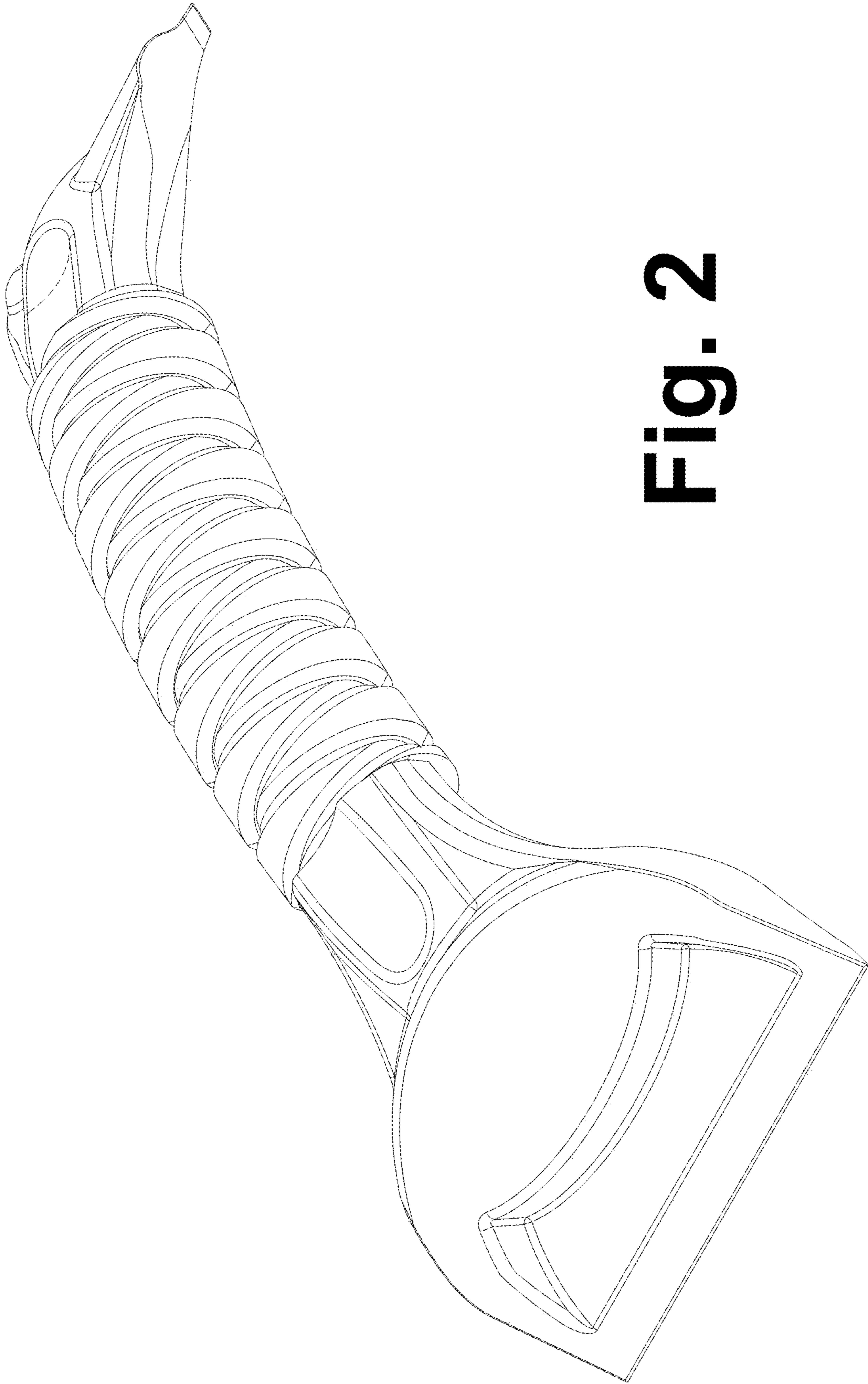


Fig. 2

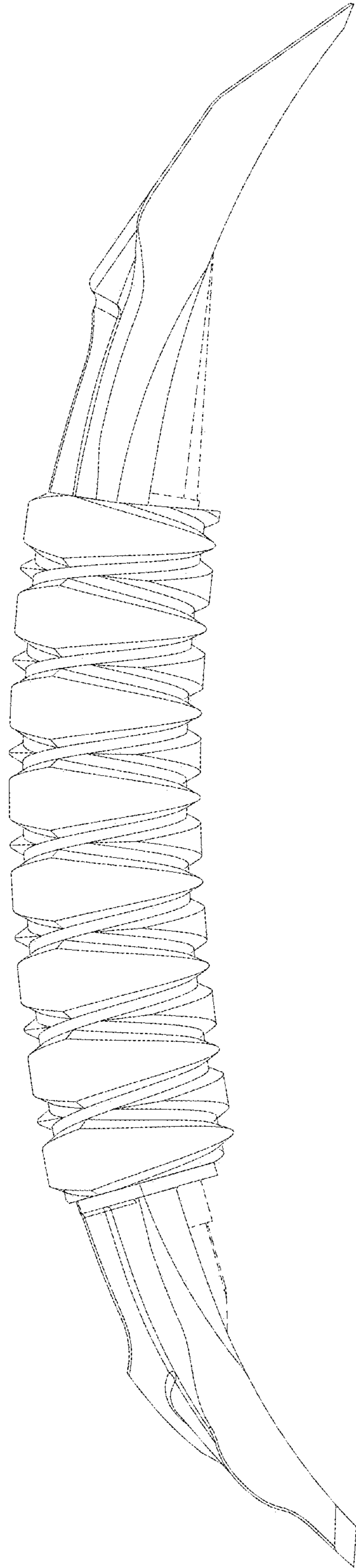


Fig. 3

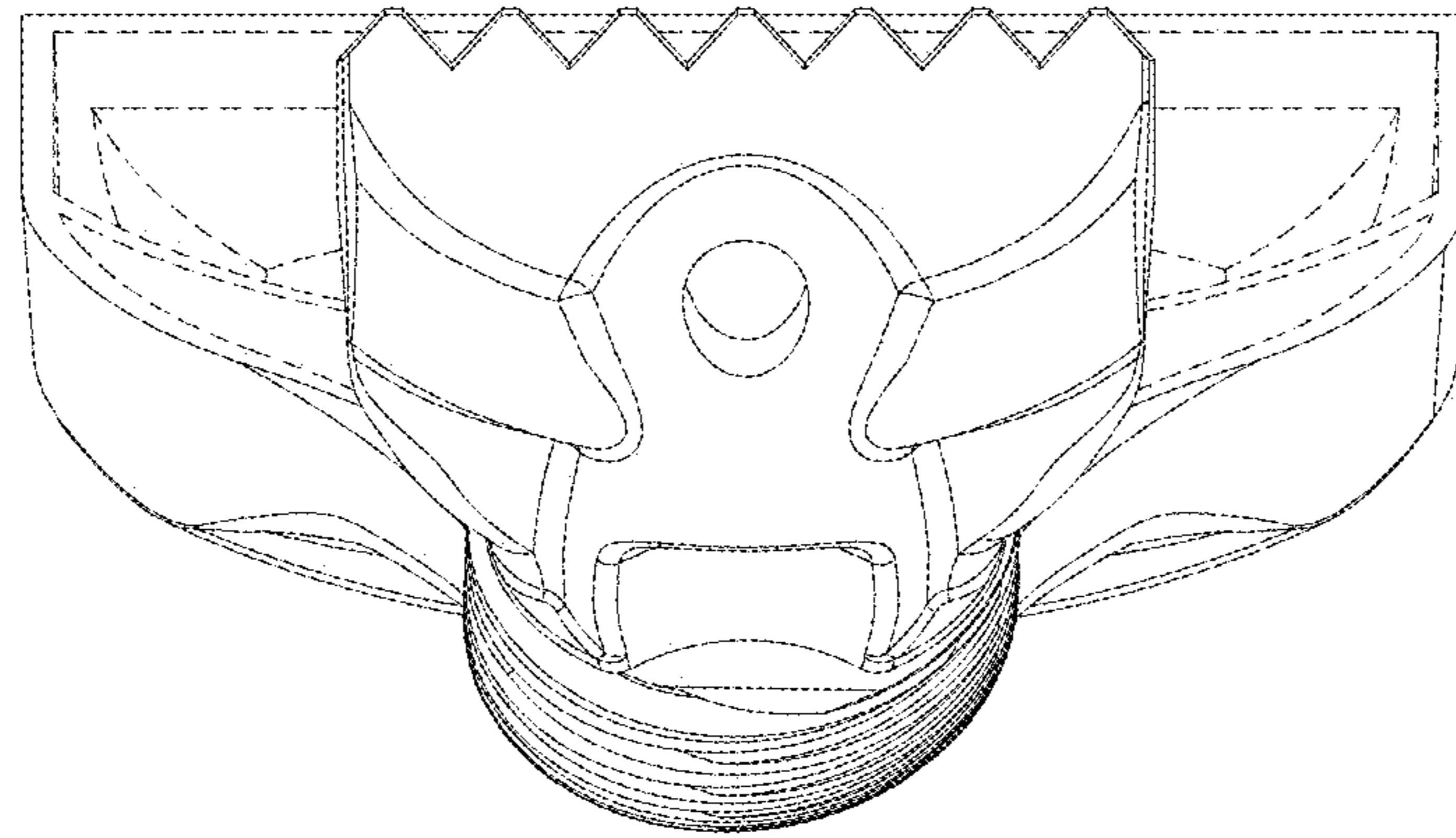


Fig. 5

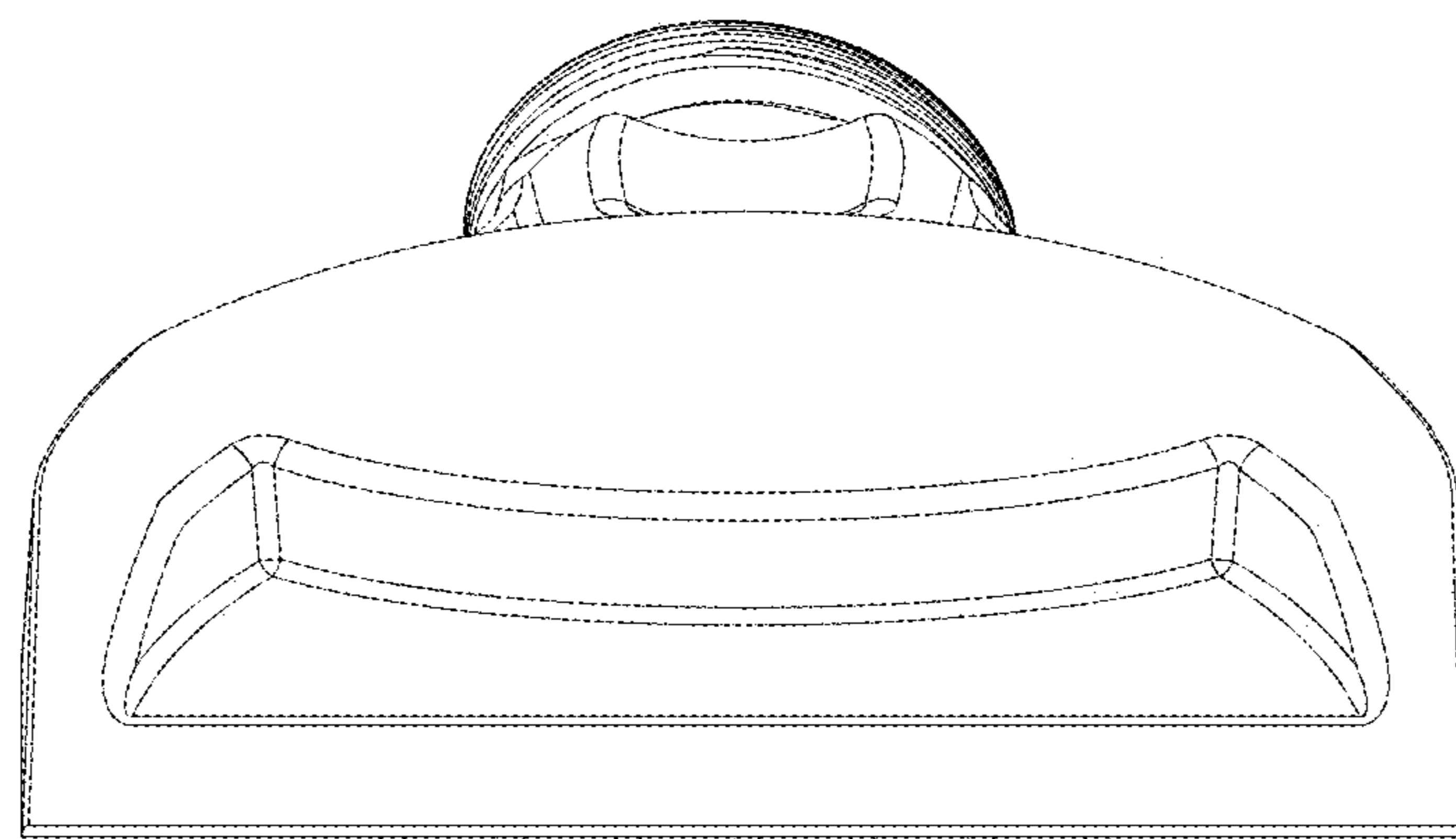


Fig. 6

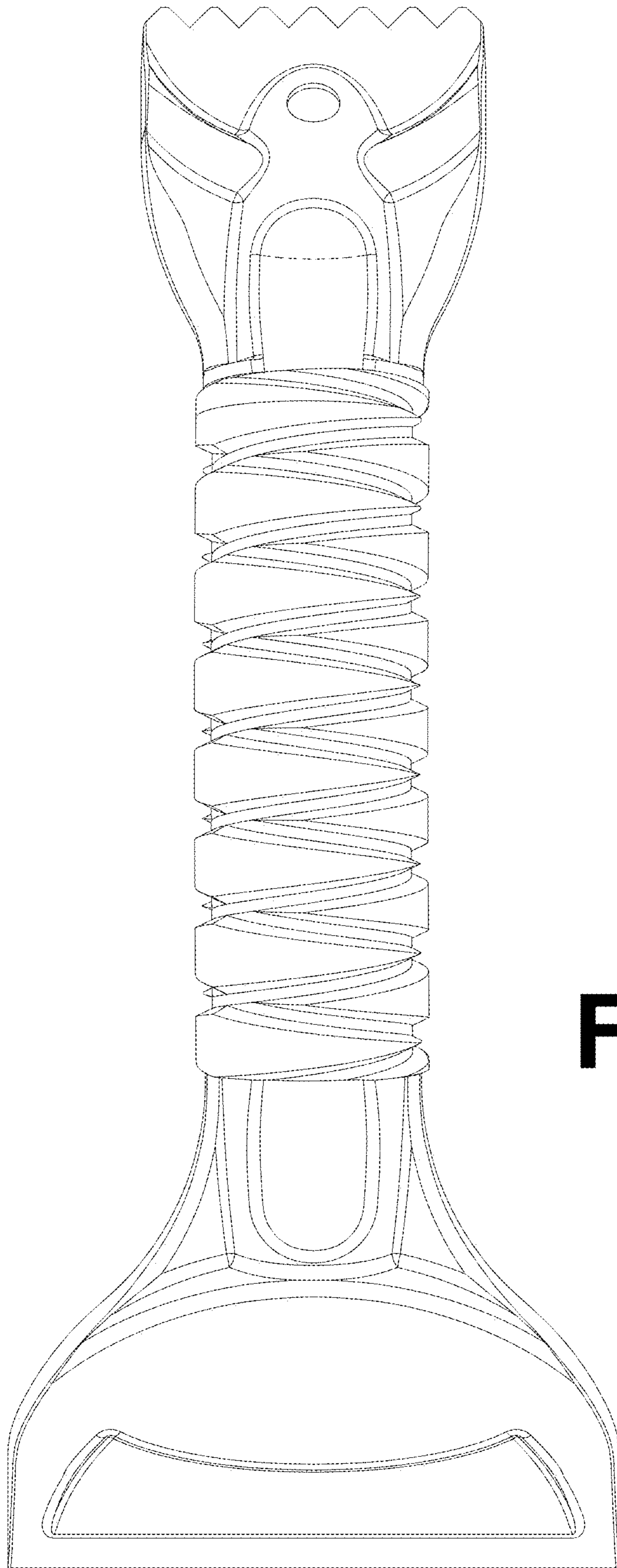


Fig. 7