



US00D707809S

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

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- (54) **FAN BLADE IRON**
- (71) Applicant: **Air Cool Industrial Co., Ltd.**, Taichung (TW)
- (72) Inventor: **Peter Pan**, Taichung (TW)
- (73) Assignee: **Air Cool Industrial Co., Ltd.**, Taichung (TW)
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- (51) **LOC (10) Cl.** **23-04**
- (52) **U.S. Cl.**
USPC **D23/411**
- (58) **Field of Classification Search**
CPC F04D 25/088; F04D 29/34; F04D 29/32;
F04D 29/322; F04D 29/384; F01D 5/3015;
F01D 5/323; F01D 5/30; F01D 25/28; F05D
2250/70; F05D 2240/80; F24F 2221/14;
B63H 1/20; F21V 21/104
USPC D23/411-414, 324, 331, 343, 385,
D23/370-384, 387, 499; D8/323, 327, 349,
D8/354, 363, 367-369, 373, 380-387, 394,
D8/397, 398; 416/5, 170 R, 214 R, 184,
416/206, 207, 210 R, 220 R, 244 R, 248;
16/265, 382, 388, 389; 392/364;
248/188, 243, 398
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D189,084 S * 10/1960 Kjellgren D8/319
- D189,236 S * 11/1960 Kjellgren D8/319
- D363,345 S * 10/1995 Wang D23/377
- 5,458,464 A * 10/1995 Lee 416/210 R
- D371,838 S * 7/1996 Davis et al. D23/411

- D375,548 S * 11/1996 Holbrook D23/411
- D378,312 S * 3/1997 Davis, Jr. D23/411
- D387,156 S * 12/1997 Johnson D23/411
- D389,237 S * 1/1998 Jaspers-Fayer et al. D23/411
- D396,533 S * 7/1998 Tsuji D23/411
- D397,783 S * 9/1998 Gee, II D23/411
- D404,809 S * 1/1999 Tai D23/377
- D422,072 S * 3/2000 Blateri D23/377
- 6,039,540 A * 3/2000 Wu 416/210 R
- 6,062,820 A * 5/2000 Wang 416/210 R
- 6,149,388 A * 11/2000 Liao 416/210 R
- D436,659 S * 1/2001 Campbell D23/411
- 6,336,792 B1 * 1/2002 Bucher et al. 416/210 R
- 6,520,739 B2 * 2/2003 Tsuji 416/5
- D483,470 S * 12/2003 Hsieh D23/411
- D483,472 S * 12/2003 Hsieh D23/411
- D487,506 S * 3/2004 Burns D23/411
- D490,512 S * 5/2004 Campbell D23/411
- 6,802,694 B2 * 10/2004 Bucher et al. 416/210 R
- 6,821,091 B2 * 11/2004 Lee 416/210 R

(Continued)

Primary Examiner — Susan Bennett Hattan

Assistant Examiner — Marie Fast Horse

(74) *Attorney, Agent, or Firm* — Ming Chow; Sinorica, LLC

(57) **CLAIM**

I claim the ornamental design for a fan blade iron, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a fan blade iron showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof.

FIG. 4 is a left side elevational view thereof;

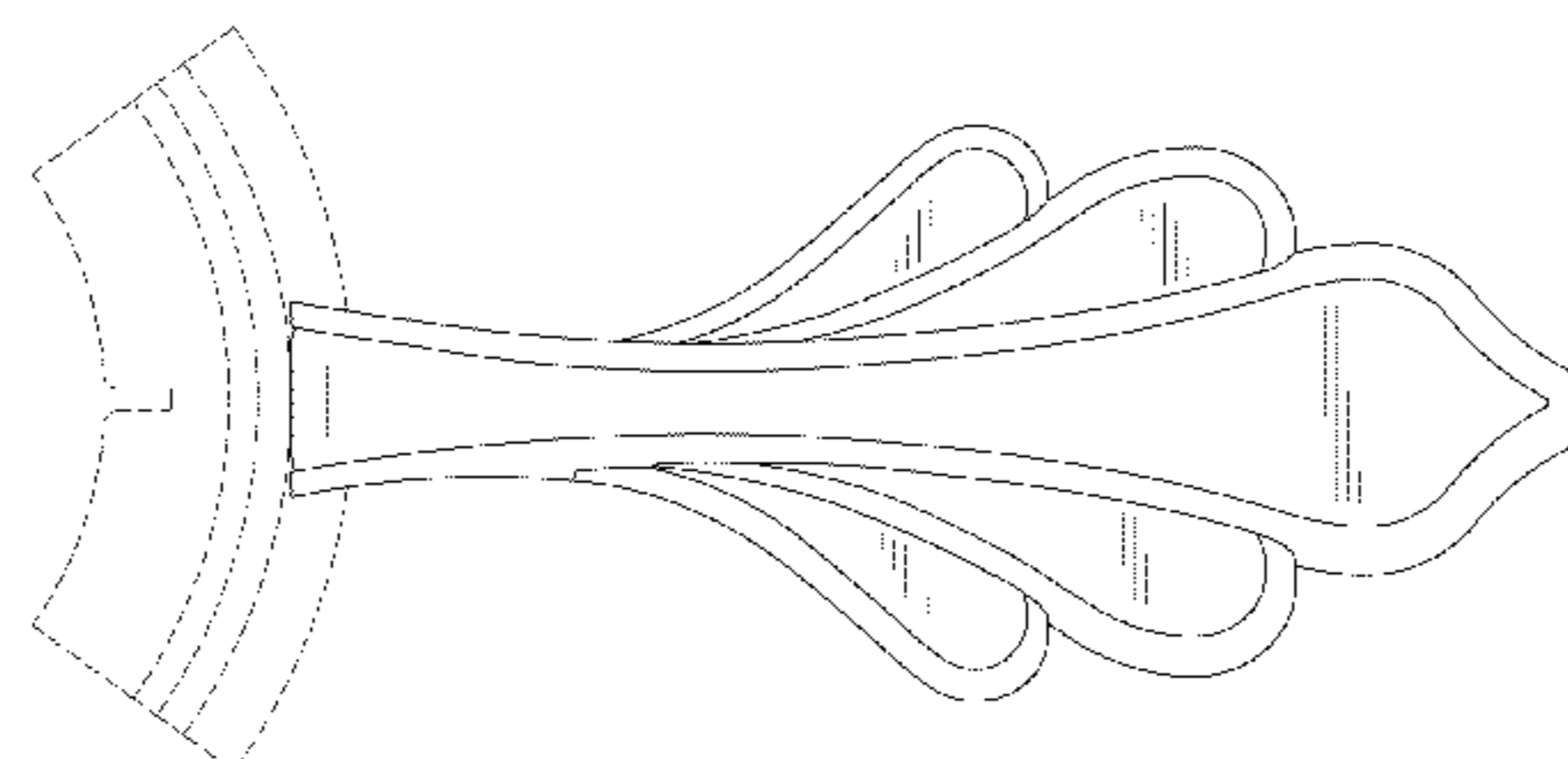
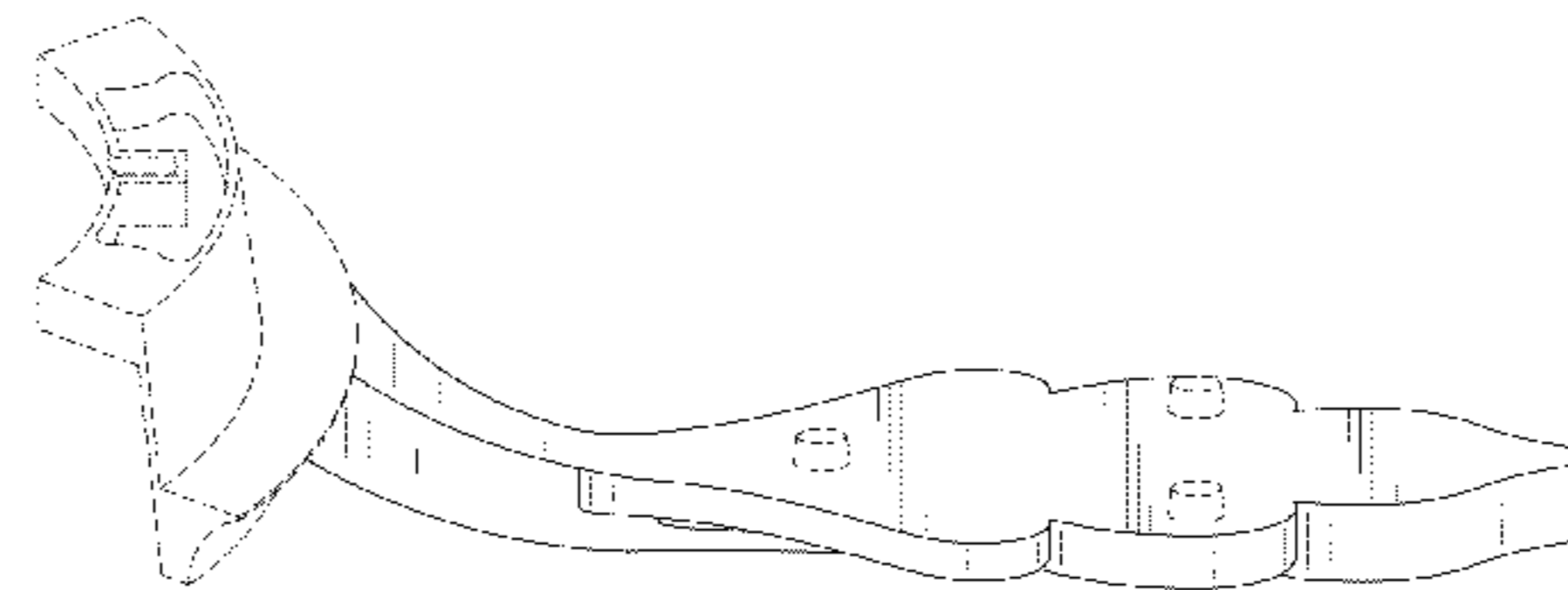
FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

The broken lines in the drawings depict environmental subject matter only and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D508,125 S *	8/2005	Curtin	.....	D23/411	D551,752 S *	9/2007	Ertze	.....	D23/411
D522,644 S *	6/2006	Curtin	.....	D23/411	D551,754 S *	9/2007	Lee	.....	D23/411
D527,449 S *	8/2006	Hidalgo	.....	D23/377	D562,969 S *	2/2008	Pickett	.....	D23/411
D532,106 S *	11/2006	Curtin	.....	D23/413	D565,169 S *	3/2008	Pickett	.....	D23/411
D535,386 S *	1/2007	Pickett	.....	D23/411	D568,461 S *	5/2008	Hidalgo	.....	D23/411
D540,937 S *	4/2007	Pickett	.....	D23/411	D572,814 S *	7/2008	Bucher et al.	.....	D23/377
D544,596 S *	6/2007	Shurtleff	.....	D23/411	D602,149 S *	10/2009	Curtin	.....	D23/411
					D603,082 S *	10/2009	Orozco	.....	D26/89
					2002/0145867 A1 *	10/2002	Tsuji et al.	.....	362/147
					2011/0058947 A1 *	3/2011	Haynes	.....	416/210 R

* cited by examiner

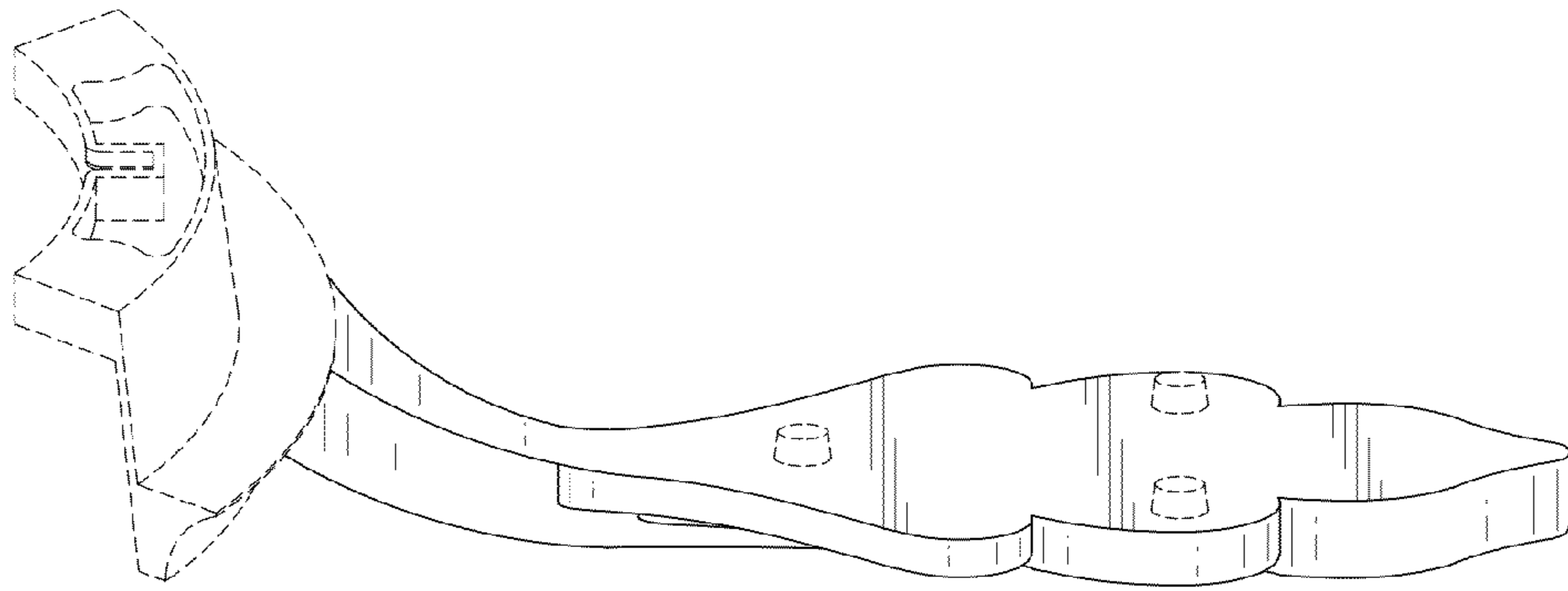


FIG. 1

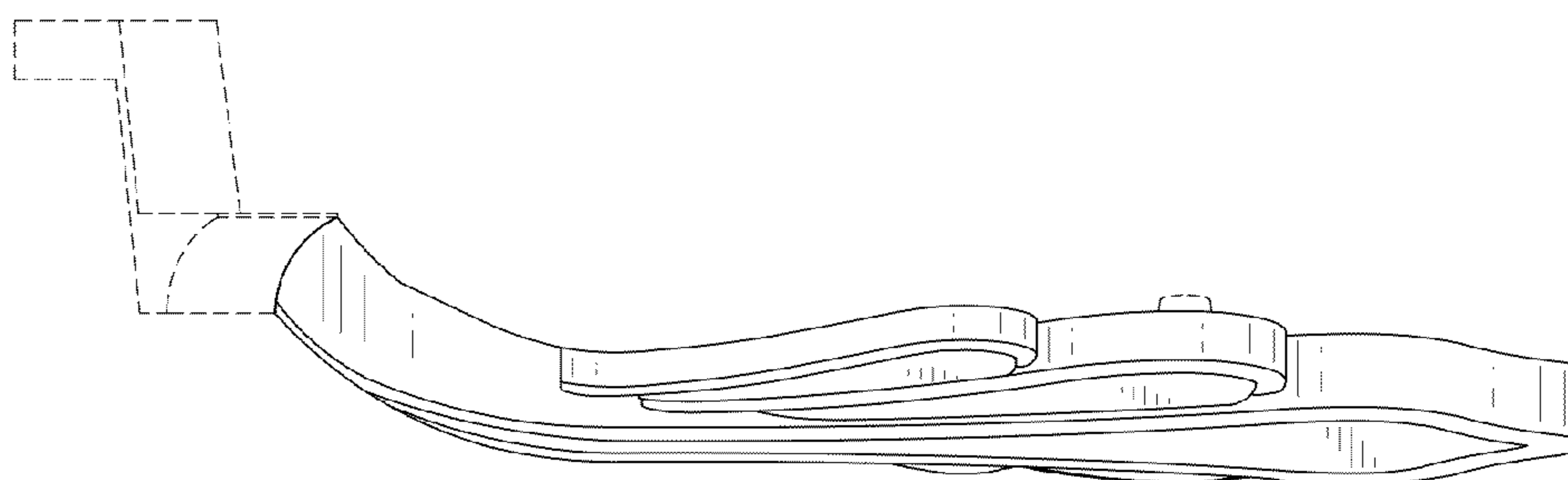


FIG. 2

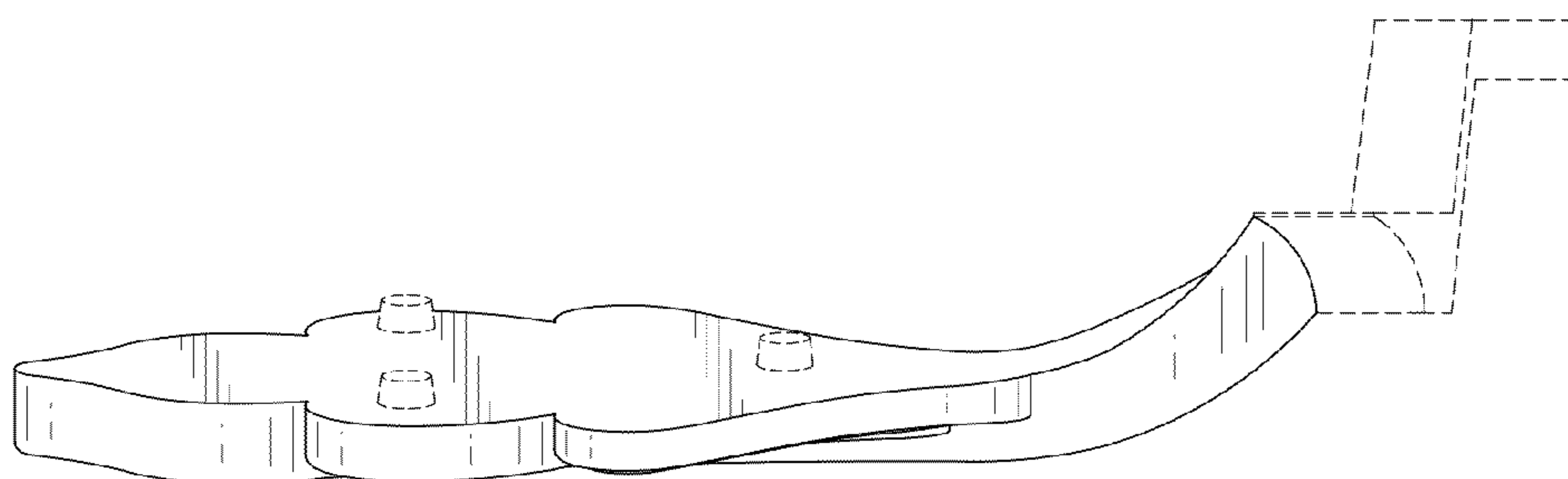


FIG. 3

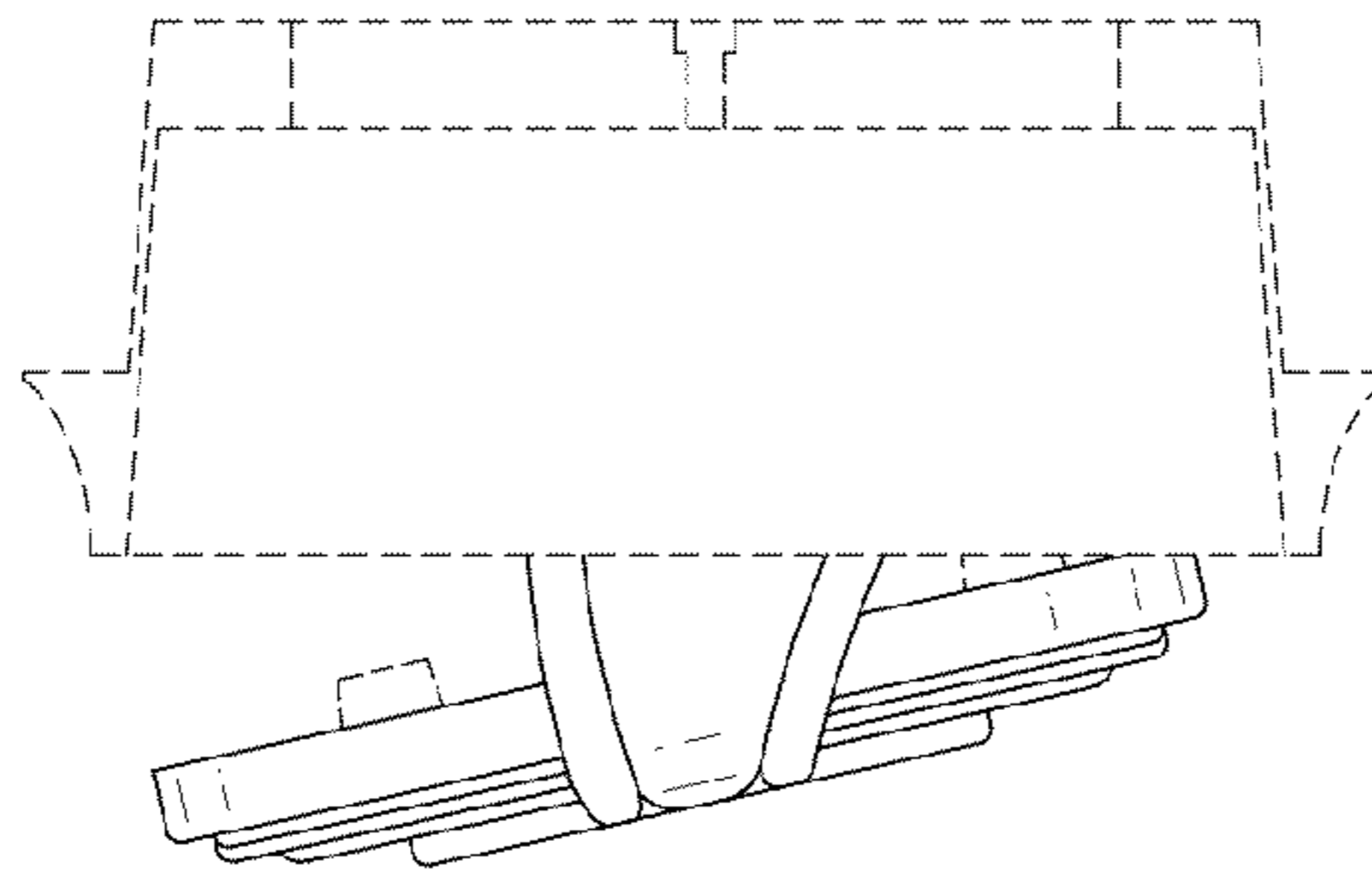


FIG. 4

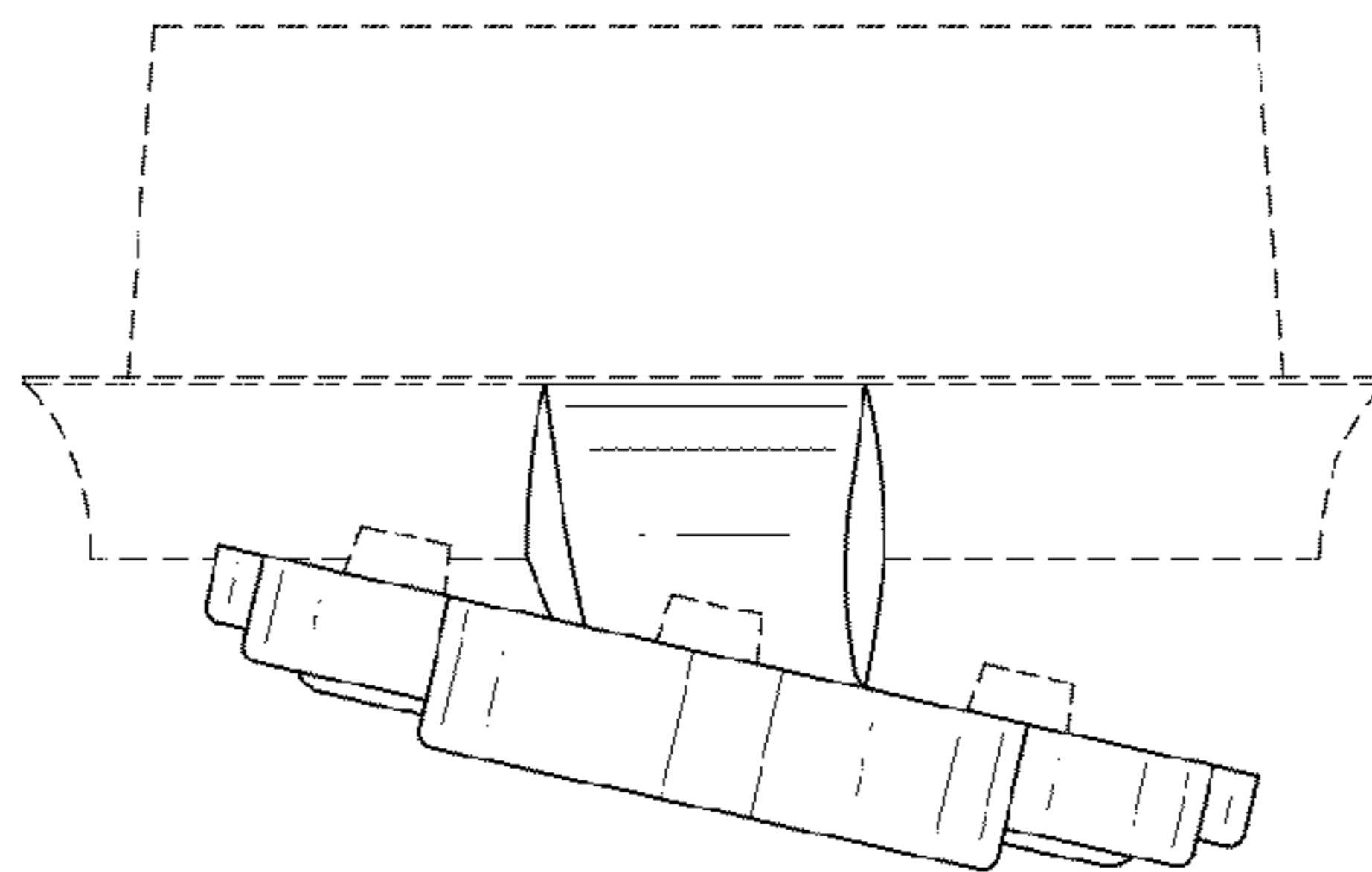


FIG. 5

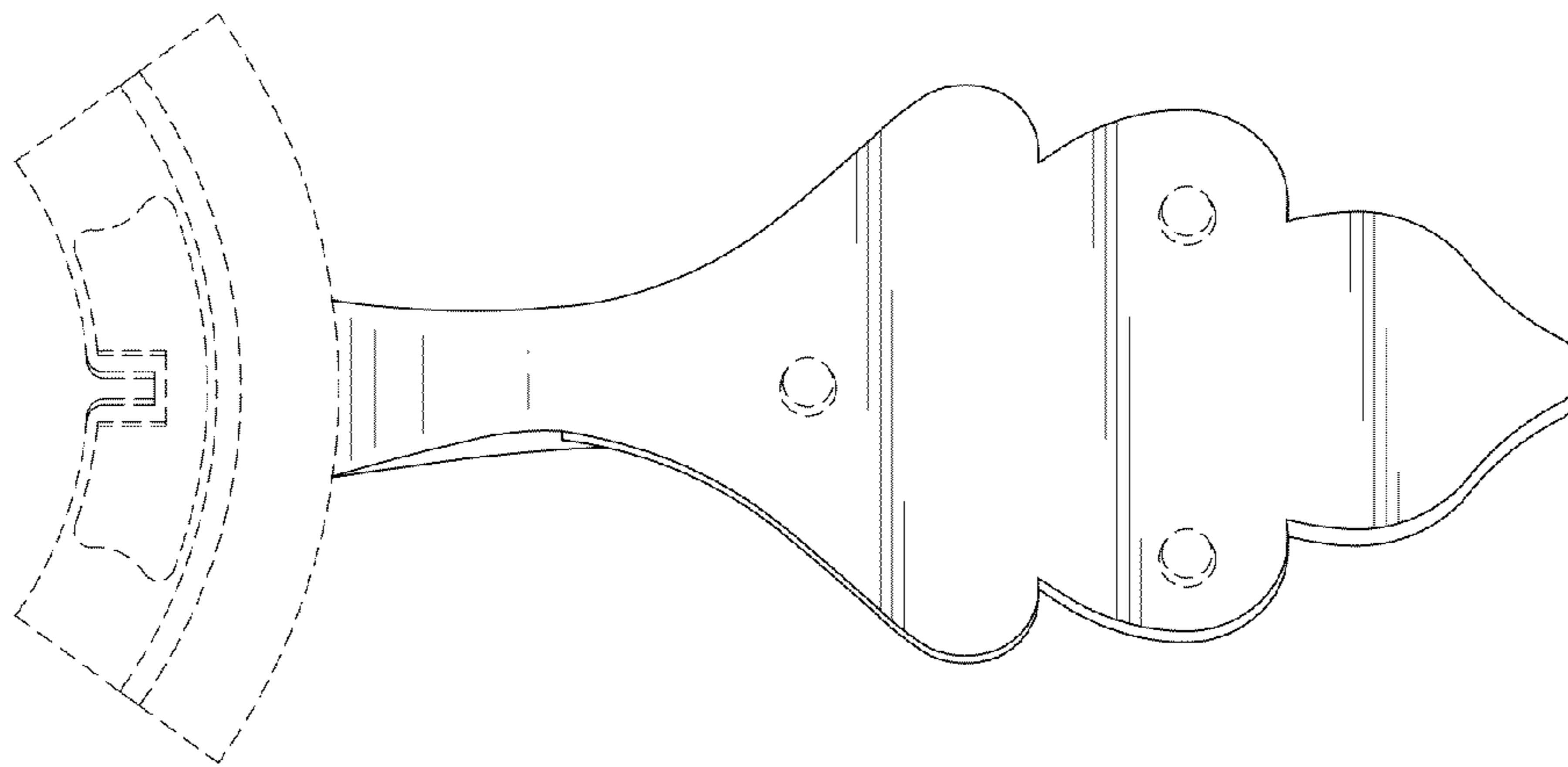


FIG. 6

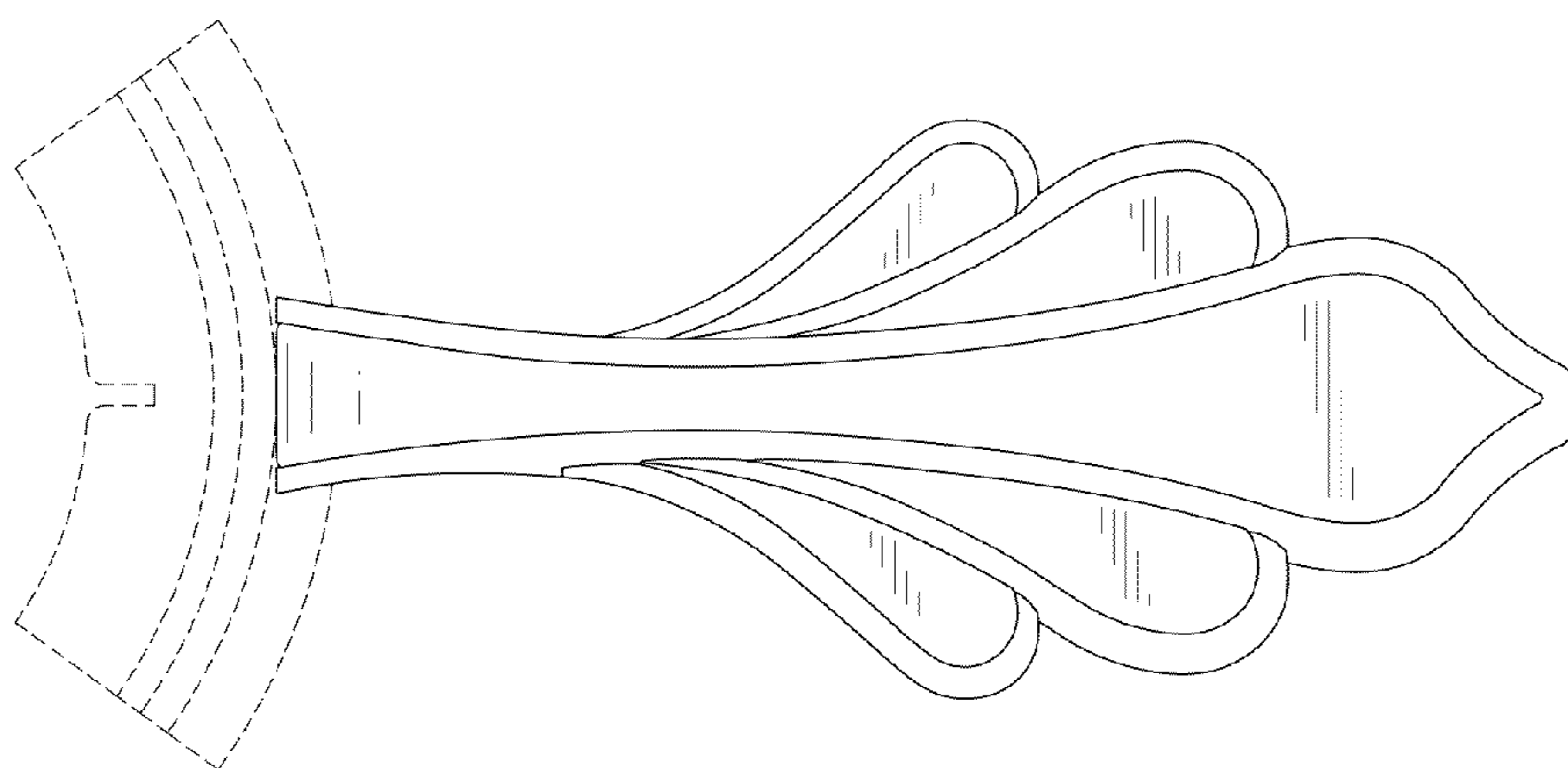


FIG. 7