



US00D866107S

(12) **United States Design Patent** (10) **Patent No.:** **US D866,107 S**
Mendez (45) **Date of Patent:** **** Nov. 5, 2019**

- (54) **WINDOW CLEANING TOOL**
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- (73) Assignee: **TRI-EDGE INDUSTRIES, LLC**, Lake Worth, FL (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/657,136**
- (22) Filed: **Jul. 19, 2018**
- (51) **LOC (12) Cl.** **07-05**
- (52) **U.S. Cl.**
USPC **D32/40**
- (58) **Field of Classification Search**
USPC D32/40-43, 46
CPC A47L 13/12; A47L 13/16; A47L 13/20;
A47L 1/06; A47L 13/17
See application file for complete search history.

- D739,516 S * 9/2015 Hulan D24/101
- D774,266 S * 12/2016 Baldwin D32/40
- D775,773 S * 1/2017 Baldwin D32/40
- D811,006 S * 2/2018 Nicoline D28/7
- D831,287 S * 10/2018 Vasilakes D32/52
- 2003/0213082 A1* 11/2003 Tanaka A46B 5/04
15/227

(Continued)

OTHER PUBLICATIONS

Ecovacs WINBOT X window cleaning robot review—The Gadgeteer article date 2018, <https://the-gadgeteer.com/2018/11/28/ecovacs-winbot-x-window-cleaning-robot-review/>, site visited Jun. 6, 2019.*

(Continued)

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(57) **CLAIM**

The ornamental design for a window cleaning tool, as shown and described.

DESCRIPTION

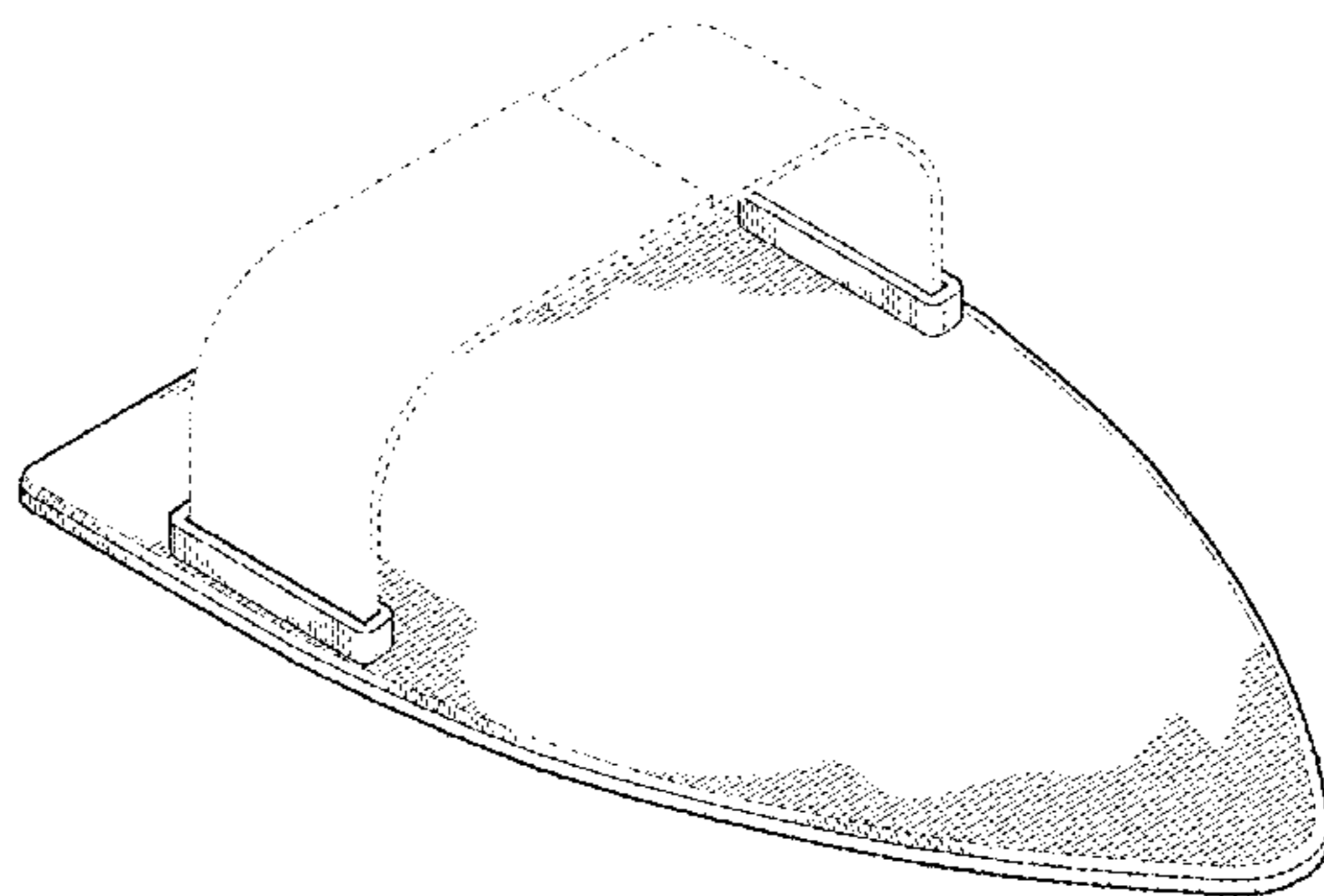
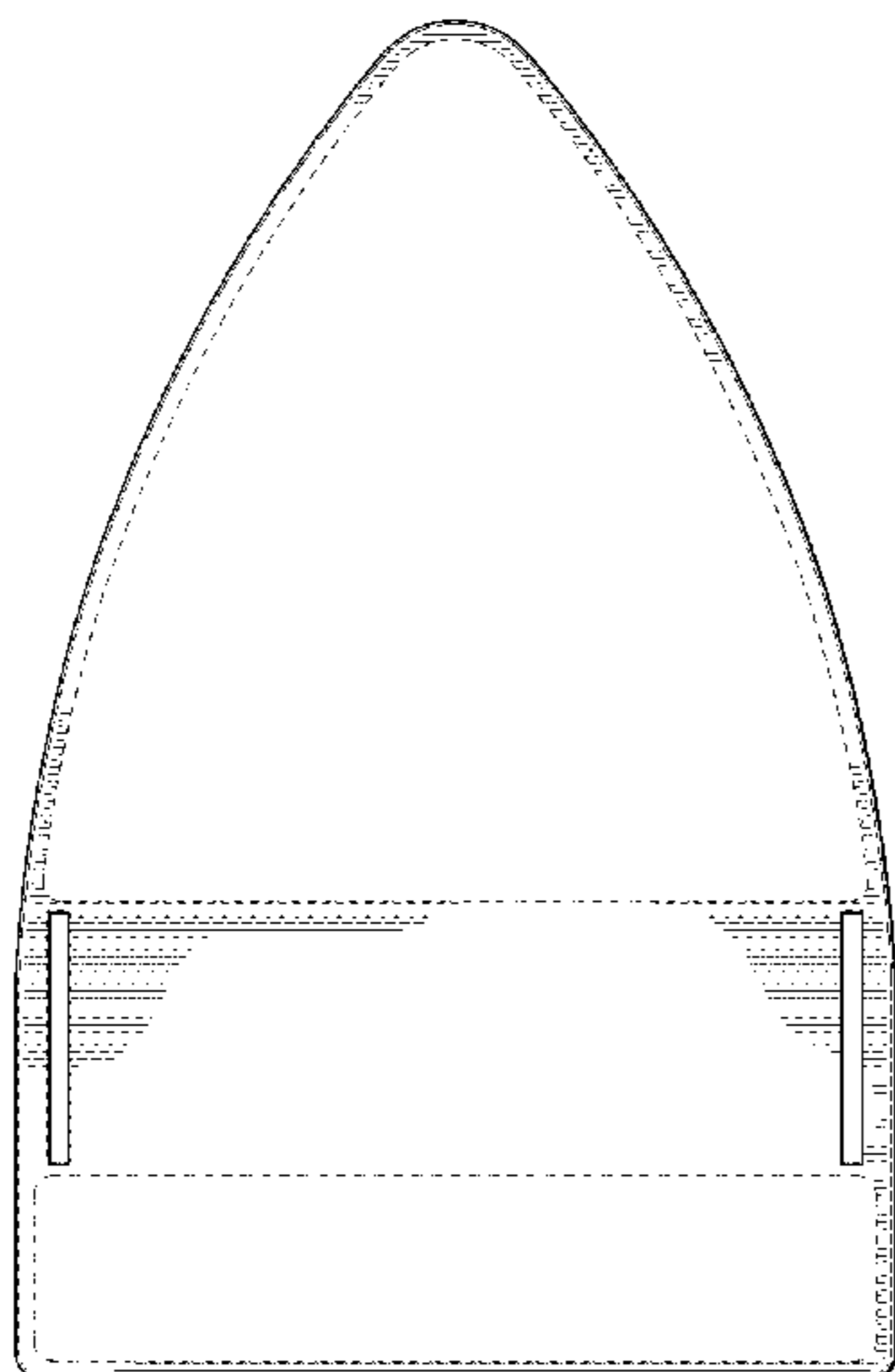
FIG. 1 is a front, top perspective view of a window cleaning tool showing my new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a front elevational view thereof;
FIG. 7 is a rear elevational view thereof; and,
FIG. 8 is a front, top perspective view of the window cleaning tool with a hand strap shown in broken lines.
The broken lines appearing in FIGS. 3-8 illustrate portions of the window cleaning tool that form no part of the claimed design.

1 Claim, 6 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,134,984	A *	4/1915	Johnson	.....	A47L 13/20 15/229.4
D185,727	S *	7/1959	Yamen et al.	.....	D32/50
D188,237	S *	6/1960	Littleton	.....	D32/50
D245,473	S *	8/1977	Heninger	.....	D32/50
D332,160	S *	12/1992	Kuzma	.....	D32/41
D391,710	S *	3/1998	Hanaoka	.....	D32/40
D414,005	S *	9/1999	Lehnertz	.....	D32/45
6,047,435	A *	4/2000	Suzuki	.....	A47L 13/20 15/228
D553,315	S *	10/2007	Lynde	.....	D32/40
D554,309	S *	10/2007	Wolk	.....	D32/40
D629,985	S *	12/2010	Lee	.....	D32/51
D685,545	S *	7/2013	Ono	.....	D32/40
D710,669	S *	8/2014	Campbell	.....	D8/90
D724,285	S *	3/2015	Michelson	.....	D32/40



(56)

References Cited

U.S. PATENT DOCUMENTS

2006/0168748 A1* 8/2006 Dotterman A47L 13/12
15/115
2008/0149504 A1* 6/2008 Benjamin A47K 7/03
206/223
2014/0165317 A1* 6/2014 Diener B08B 1/005
15/229.11

OTHER PUBLICATIONS

Unger® Stingray Indoor Window Cleaning Kit—Hearn Paper Company, website 2017, <https://catalog.hearnpaper.com/p/UNG-SRKT6-EA/Unger-Stingray-Indoor-Window-Cleani> . . . site visited Jun. 7, 2019.*

* cited by examiner

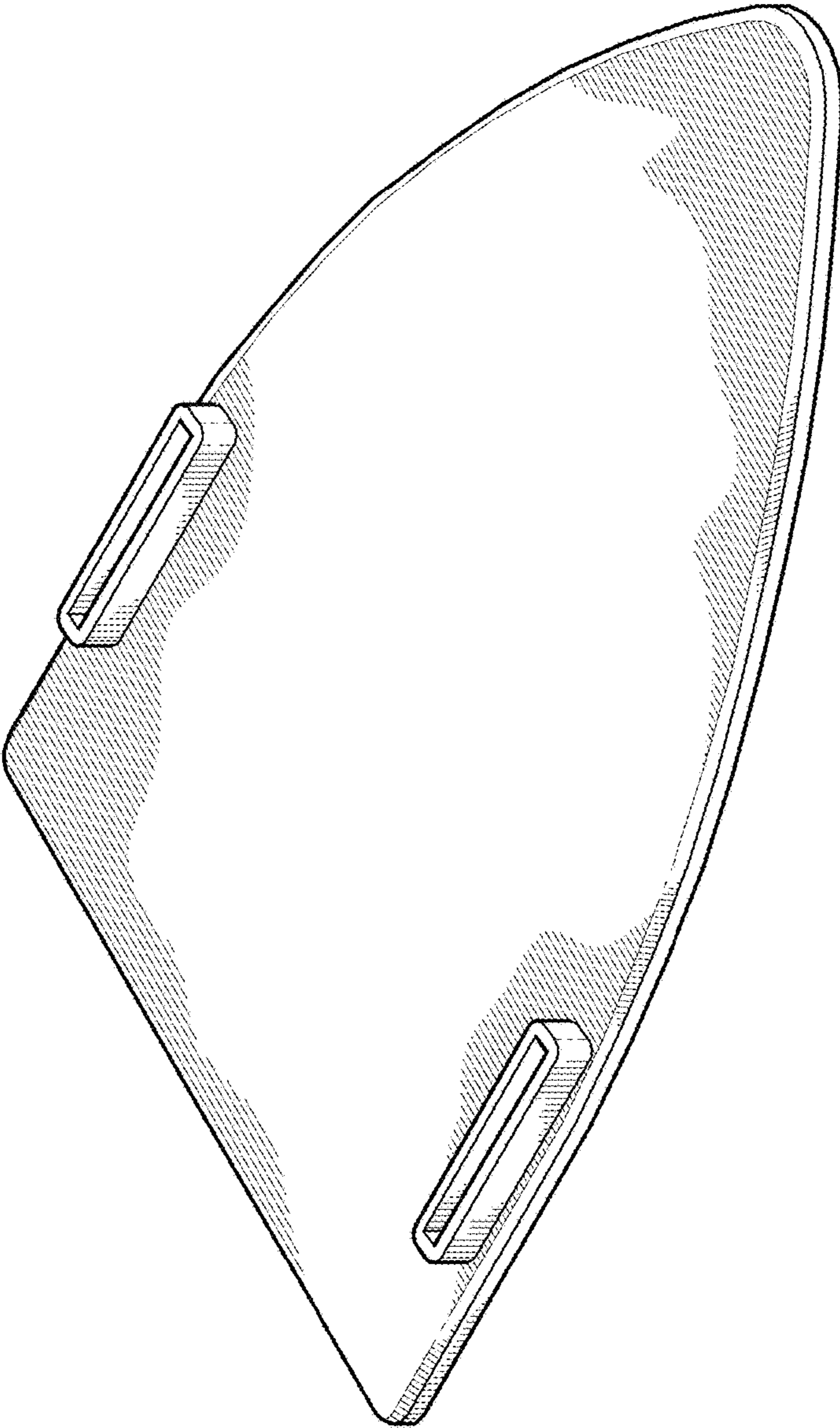


FIG. 1

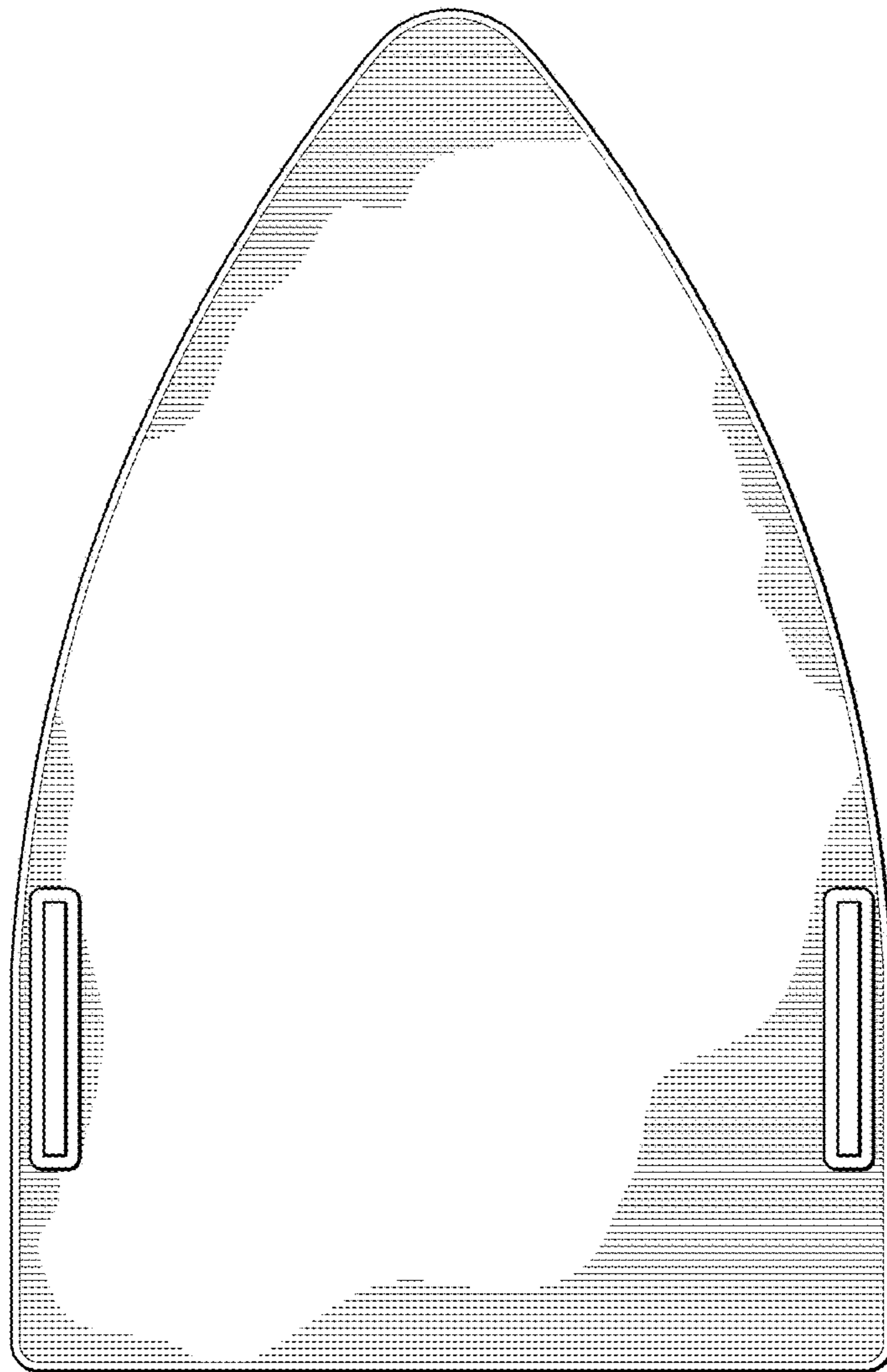


FIG. 2

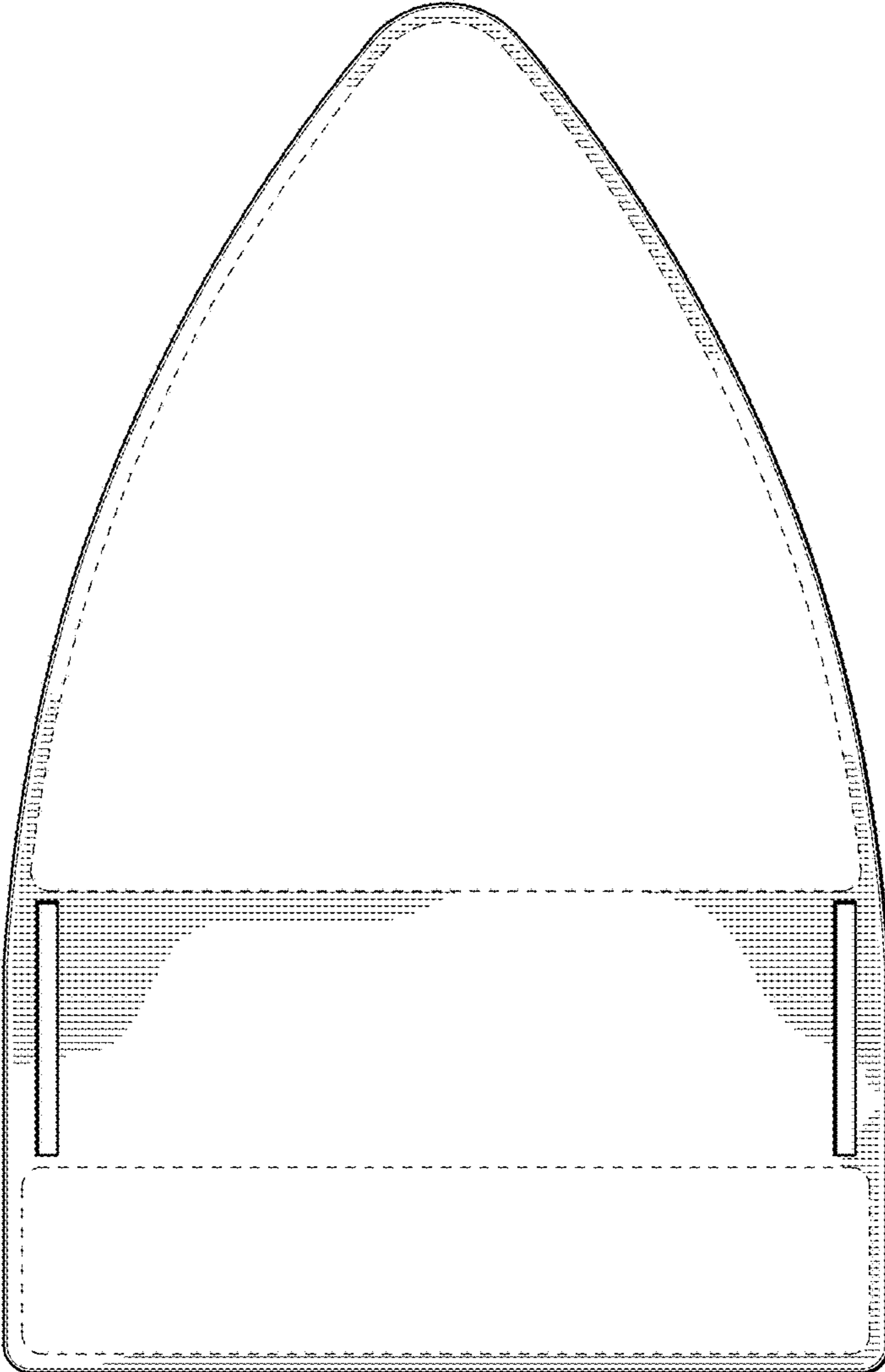


FIG. 3

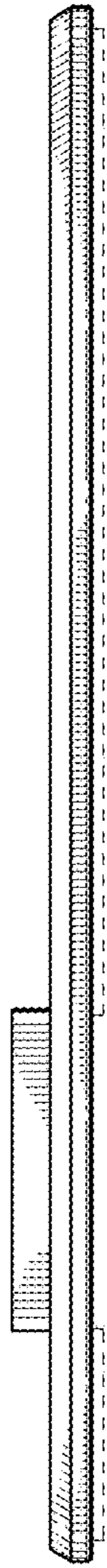


FIG. 4

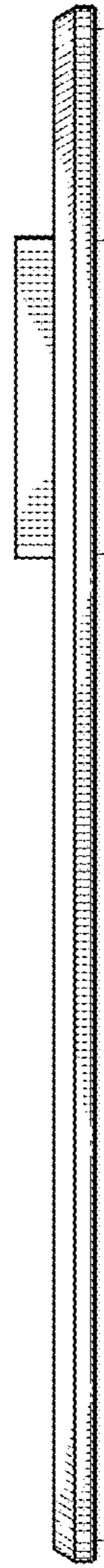


FIG. 5

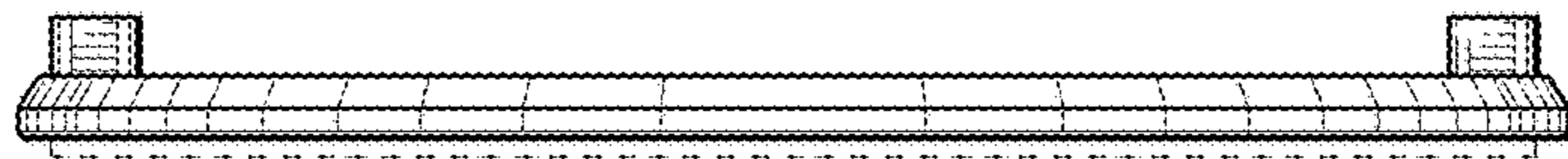


FIG. 6

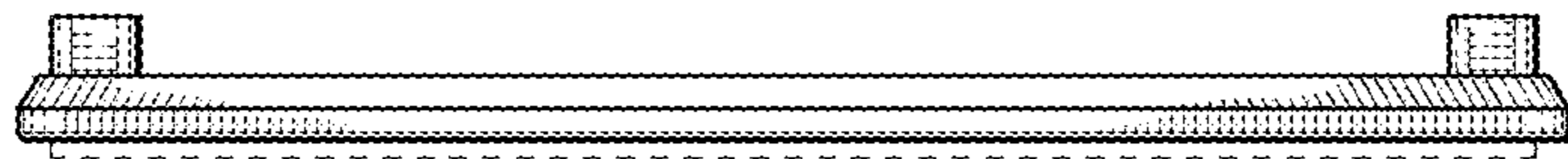


FIG. 7

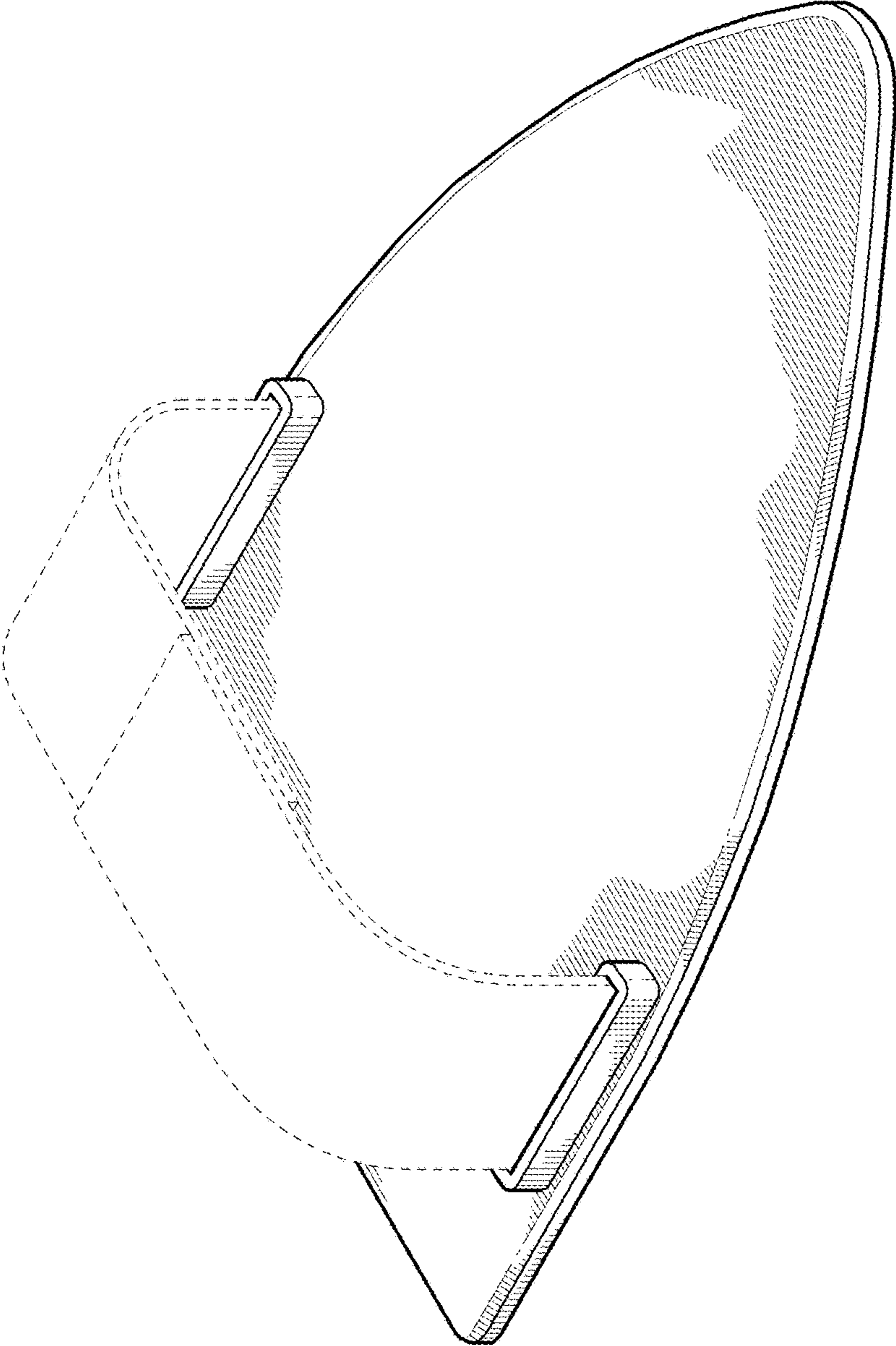


FIG. 8