US00D932285S

(12) United States Design Patent

Gilner et al.

(10) Patent No.: US D932,285 S
(45) Date of Patent: ** Oct. 5, 2021

(54) **SUPPORT CHAIR FOR POURED CONCRETE REINFORCEMENT MEMBERS**

(71) Applicant: **Inland Concrete Products, Inc.**, Fontana, CA (US)

(72) Inventors: **John H. Gilner**, Santa Barbara, CA (US); **G. Douglas Hartzheim**, Bozeman, MT (US); **Steven R. Wilbur**, Yucaipa, CA (US)

(73) Assignee: **Inland Concrete Products, Inc.**, Fontana, CA (US)

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

(21) Appl. No.: **29/686,143**

(22) Filed: **Apr. 2, 2019**

(51) **LOC (13) Cl.** **08-05**

(52) **U.S. Cl.**
USPC **D8/354**

(58) **Field of Classification Search**
USPC D8/354, 349, 380, 384; 52/677, 678, 52/679, 682, 684, 686, 687, 745.21, 688, 52/689; D25/199

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,476,939 A 12/1923 White
3,673,753 A 7/1972 Anderson

(Continued)

Primary Examiner — Keli L Hill
Assistant Examiner — Harold E Blackwell, II
(74) *Attorney, Agent, or Firm* — Klein, O'Neill & Singh, LLP

(57) **CLAIM**

The ornamental design for a support chair for poured concrete reinforcement members, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view, taken from the top, front, and right side, of a support chair for poured concrete reinforcement members, in accordance with a first embodiment of our new design.

FIG. **2** is a perspective view, taken from the top, front, and left side, of the support chair for poured concrete reinforcement members shown in FIG. **1**.

FIG. **3** is a front elevation view of the support chair for poured concrete reinforcement members shown in FIG. **1**.

FIG. **4** is a right side elevation view of the support chair for poured concrete reinforcement members shown in FIG. **13**, the left side elevation view being identical.

FIG. **5** is rear elevation view of the support chair for poured concrete reinforcement members shown in FIG. **1**.

FIG. **6** is a top plan view of the support chair for poured concrete reinforcement members shown in FIG. **1**.

FIG. **7** is a bottom plan view of the support chair for poured concrete reinforcement members shown in FIG. **1**.

FIG. **8** is a perspective view, taken from the top, front, and right side, of a support chair for poured concrete reinforcement members, in accordance with a second embodiment of our new design.

FIG. **9** is a perspective view, taken from the top, front, and left side, of the support chair for poured concrete reinforcement members shown in FIG. **8**.

FIG. **10** is a front elevation view of the support chair for poured concrete reinforcement members shown in FIG. **8**.

FIG. **11** is a right side elevation view of the support chair for poured concrete reinforcement members shown in FIG. **8**, the left side elevation view being identical.

FIG. **12** is a rear elevation view of the support chair for poured concrete reinforcement members shown in FIG. **8**.

FIG. **13** is top plan view of the support chair for poured concrete reinforcement members shown in FIG. **8**.

FIG. **14** is a bottom plan view of the support chair for poured concrete reinforcement members shown in FIG. **8**.

FIG. **15** is a perspective view, taken from the top, front, and right side, of a support chair for poured concrete reinforcement members, in accordance with a third embodiment of our new design.

(Continued)

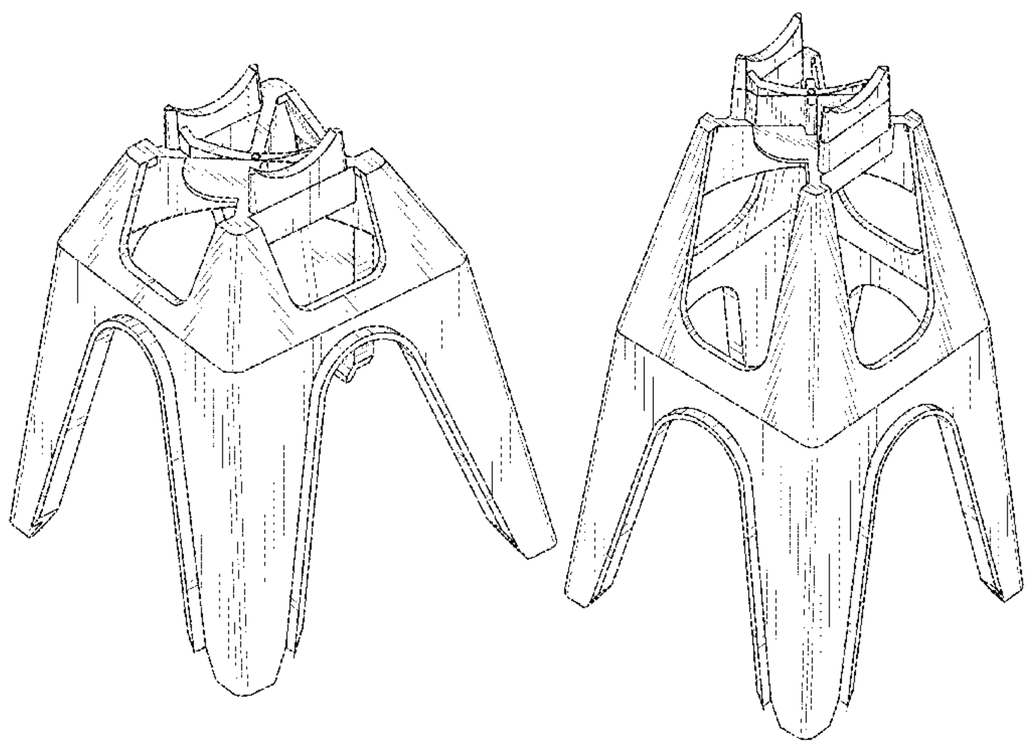

FIG. **16** is a perspective view, taken from the top, front, and left side, of the support chair for poured concrete reinforcement members shown in FIG. **15**.

FIG. **17** is a front elevation view of the support chair for poured concrete reinforcement members shown in FIG. **15**.

FIG. **18** is a right side elevation view of the support chair for poured concrete reinforcement members shown in FIG. **15**, the left side elevation view being identical.

FIG. **19** is a rear elevation view of the support chair for poured concrete reinforcement members shown in FIG. **15**.

FIG. **20** is top plan view of the support chair for poured concrete reinforcement members shown in FIG. **15**.

FIG. **21** is a bottom plan view of the support chair for poured concrete reinforcement members shown in FIG. **15**.

FIG. **22** is a perspective view, taken from the top, front, and right side, of a support chair for poured concrete reinforcement members, in accordance with a fourth embodiment of our new design.

FIG. **23** is a perspective view, taken from the top, front, and left side, of the support chair for poured concrete reinforcement members shown in FIG. **22**.

FIG. **24** is a front elevation view of the support chair for poured concrete reinforcement members shown in FIG. **22**.

FIG. **25** is a right side elevation view of the support chair for poured concrete reinforcement members shown in FIG. **22**, the left side elevation view being identical.

FIG. **26** is a rear elevation view of the support chair for poured concrete reinforcement members shown in FIG. **22**.

FIG. **27** is top plan view of the support chair for poured concrete reinforcement members shown in FIG. **22**; and,

FIG. **28** is a bottom plan view of the support chair for poured concrete reinforcement members shown in FIG. **22**.

1 Claim, 12 Drawing Sheets

(58) **Field of Classification Search**
CPC ... E04C 5/20; E04C 5/206; E04C 5/18; E04C 5/168
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,693,310	A		9/1972	Middleton	
4,060,954	A	*	12/1977	Liuzza	E04C 5/168 52/677
4,756,641	A		7/1988	Hartzheim	
4,835,933	A		6/1989	Yung	
5,107,654	A		4/1992	Leonardis	
D334,133	S		3/1993	Hartzheim	
5,729,949	A		3/1998	Hartzheim	
D394,200	S		5/1998	Hartzheim	
5,791,095	A		8/1998	Sorkin	
5,893,252	A		4/1999	Hardy, Jr. et al.	
D421,709	S	*	3/2000	Haslem	D8/354
D428,501	S	*	7/2000	Haslem	D25/199
6,089,522	A		7/2000	Haslem et al.	
D443,197	S		6/2001	Padrun	
6,276,108	B1		8/2001	Padrun	
6,557,317	B2		5/2003	Sorkin	
6,663,316	B1		12/2003	Harris	
6,684,594	B1		2/2004	Sorkin	
6,684,595	B1		2/2004	Sorkin	
D500,243	S	*	12/2004	Turek	D8/354
6,837,017	B2		1/2005	Hardy, Jr. et al.	
6,925,771	B2		8/2005	Lee et al.	
7,237,367	B1	*	7/2007	Sorkin	E04C 5/20 52/687
D548,056	S	*	8/2007	Erickson	D8/354
D578,379	S	*	10/2008	Sorkin	D8/354
D578,870	S	*	10/2008	Sorkin	D8/354
D594,737	S	*	6/2009	Kelly	D6/349
D595,117	S	*	6/2009	Sorkin	D6/349
7,775,010	B2		8/2010	Lee et al.	
7,845,136	B1	*	12/2010	Sorkin	E04C 5/20 52/687
7,870,703	B1	*	1/2011	Sorkin	E04C 5/18 52/687
8,322,108	B2		12/2012	Lee et al.	
D719,817	S	*	12/2014	Perry	D8/354
D738,194	S	*	9/2015	Baldoni	D8/354
D738,195	S	*	9/2015	Perry	D8/354
D889,940	S	*	7/2020	Gilner	D8/354
2009/0044481	A1	*	2/2009	Turek	E04C 5/20 52/687
2013/0125498	A1	*	5/2013	Lowery	E04C 5/167 52/677

* cited by examiner

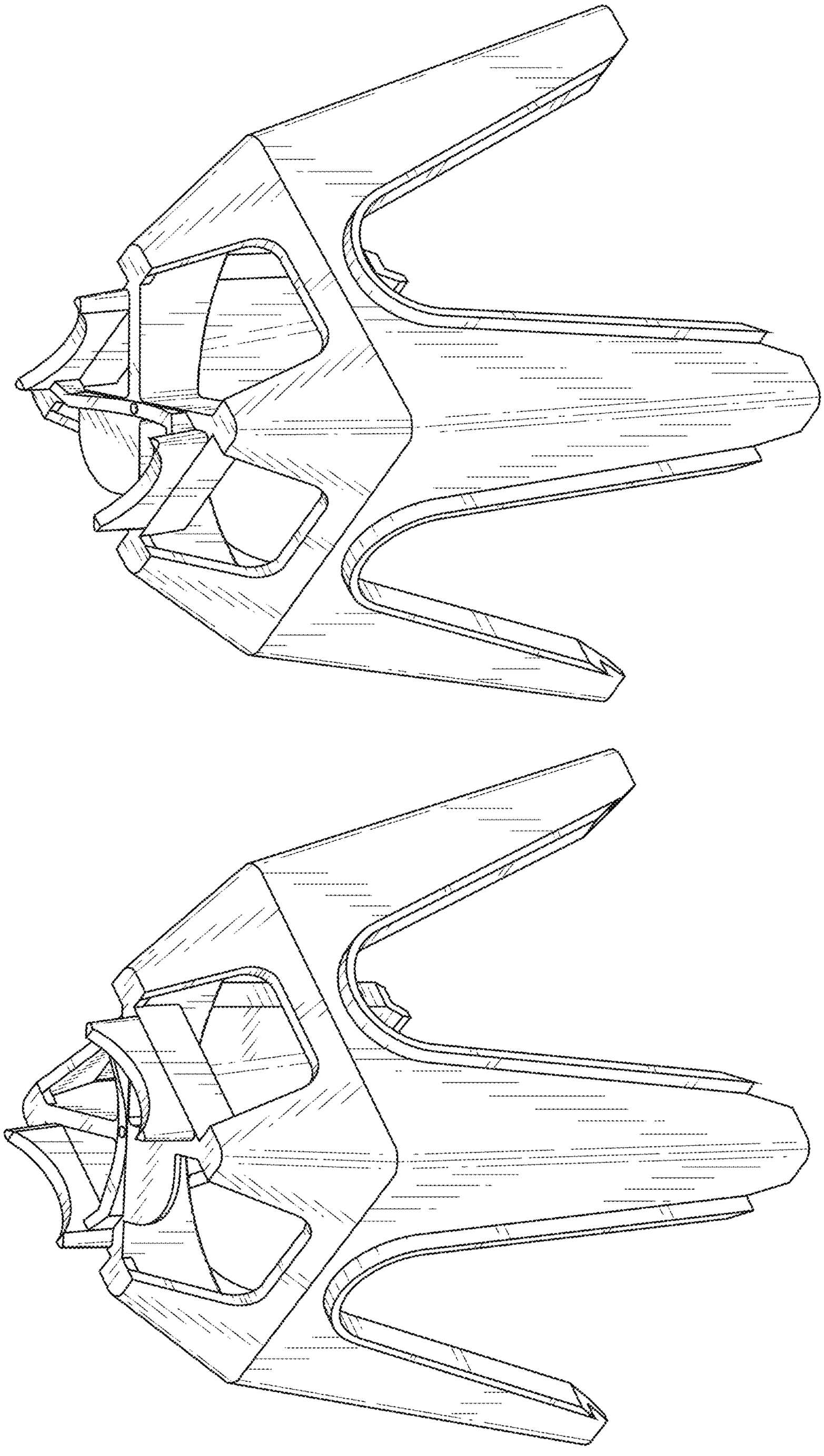

FIG. 2

FIG. 1

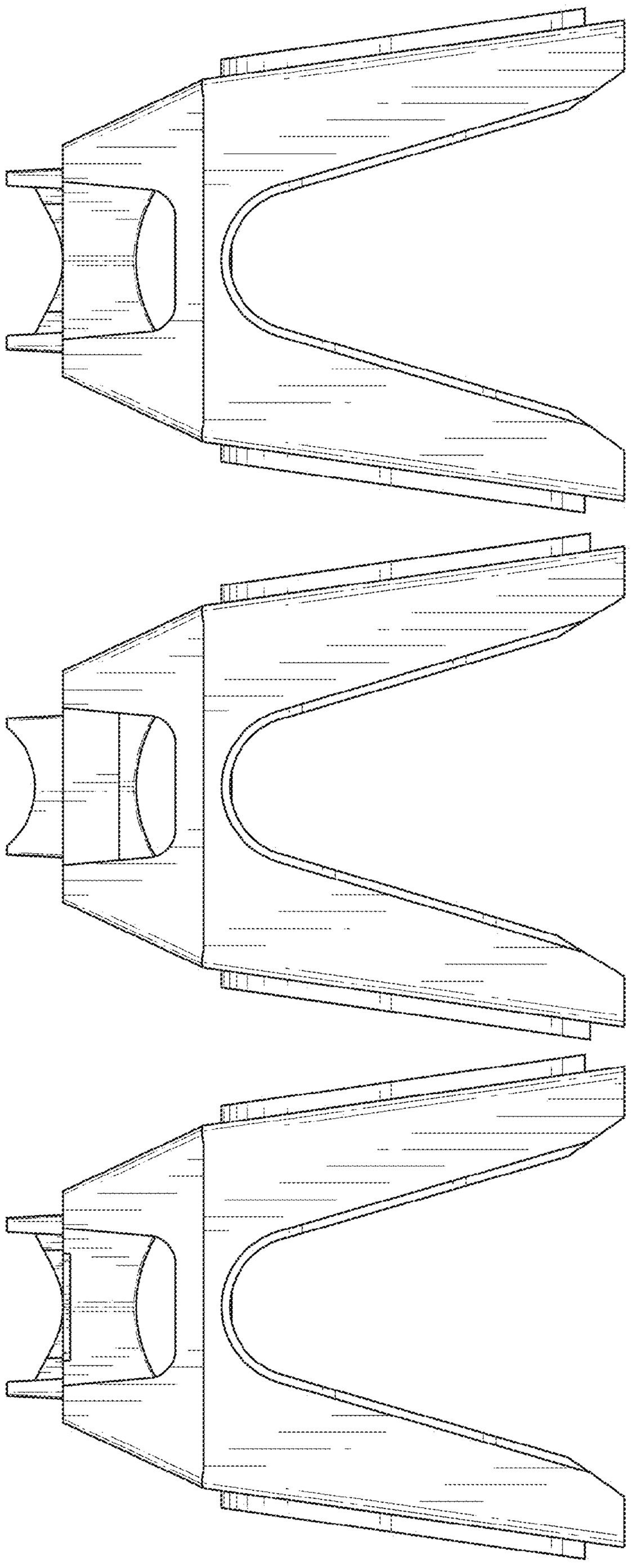

FIG. 5

FIG. 4

FIG. 3

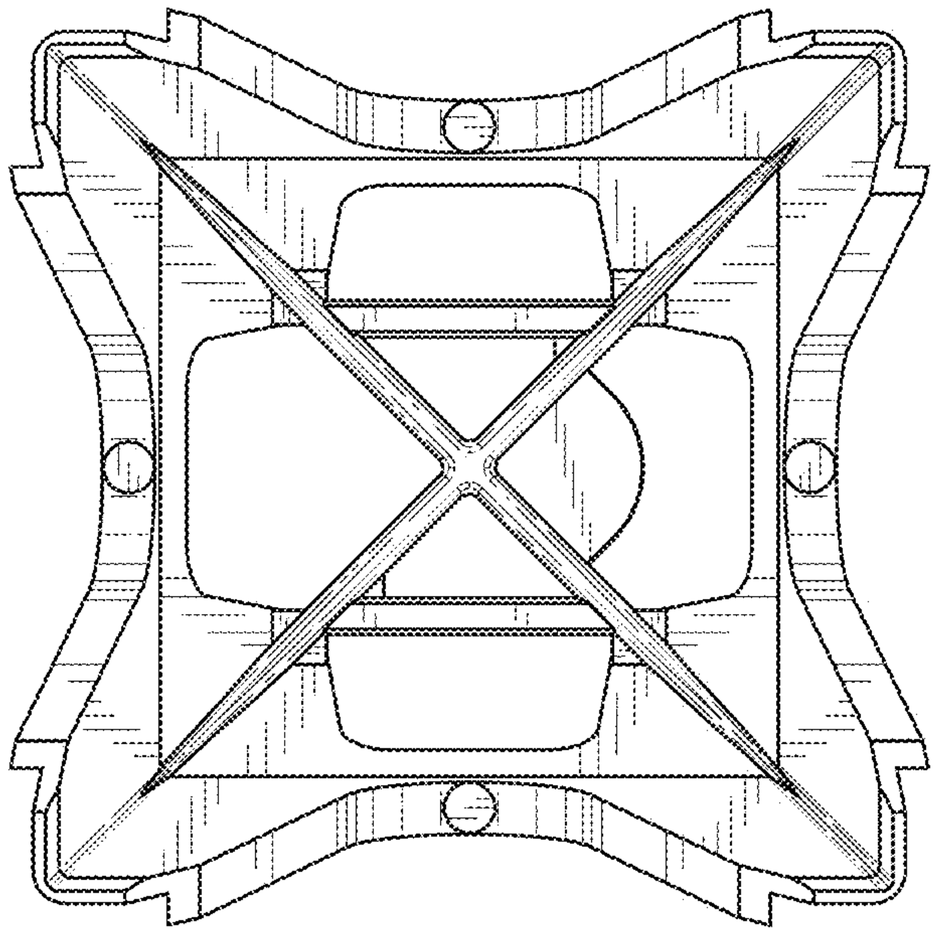

FIG. 7

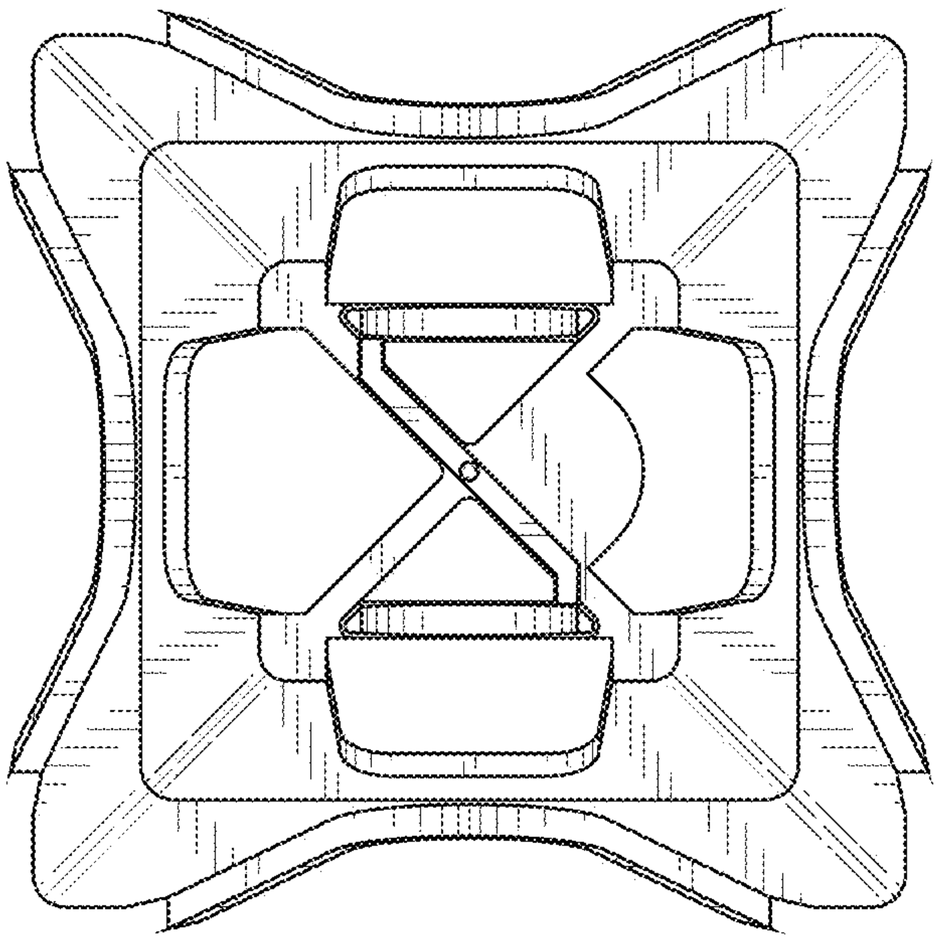

FIG. 6

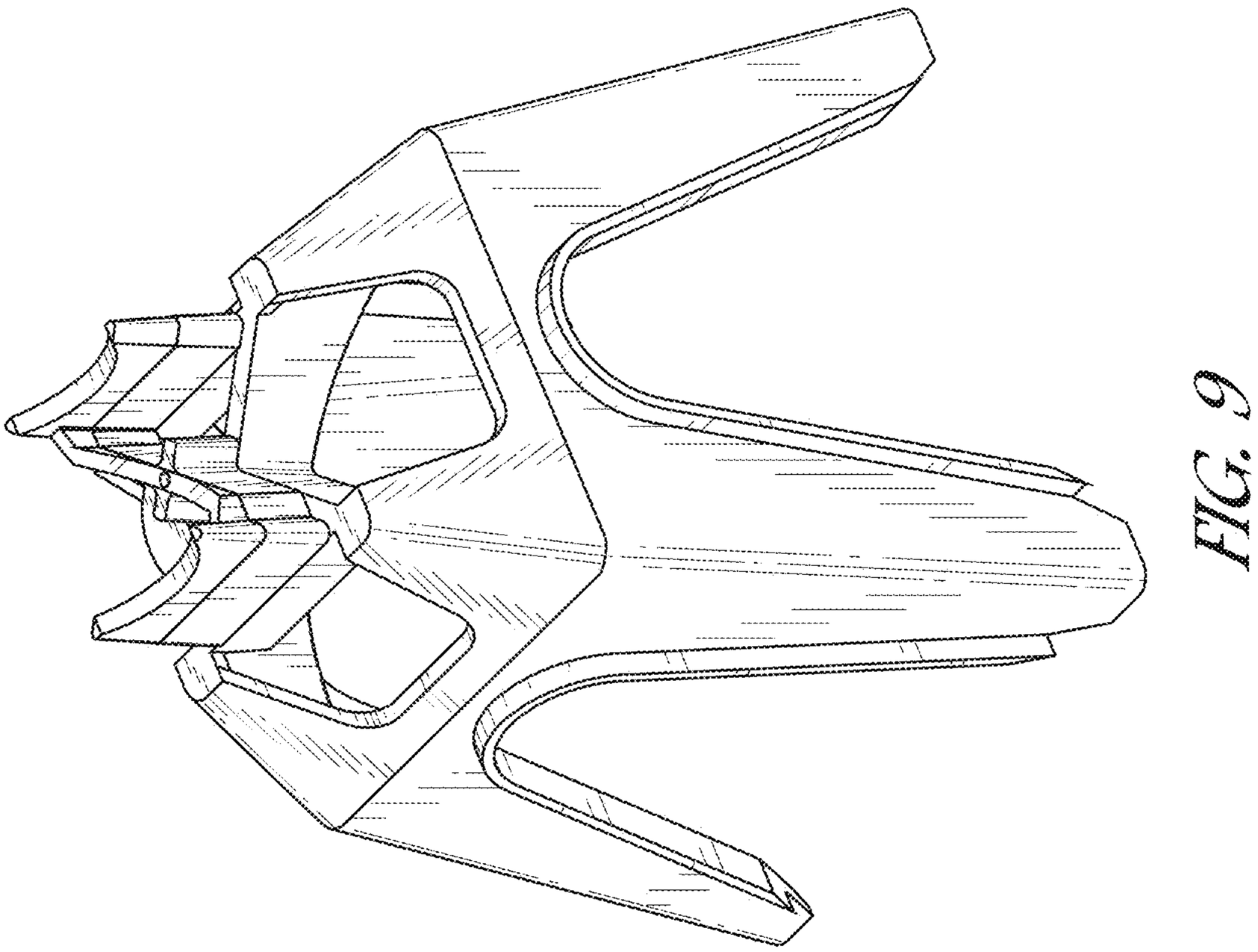

FIG. 9

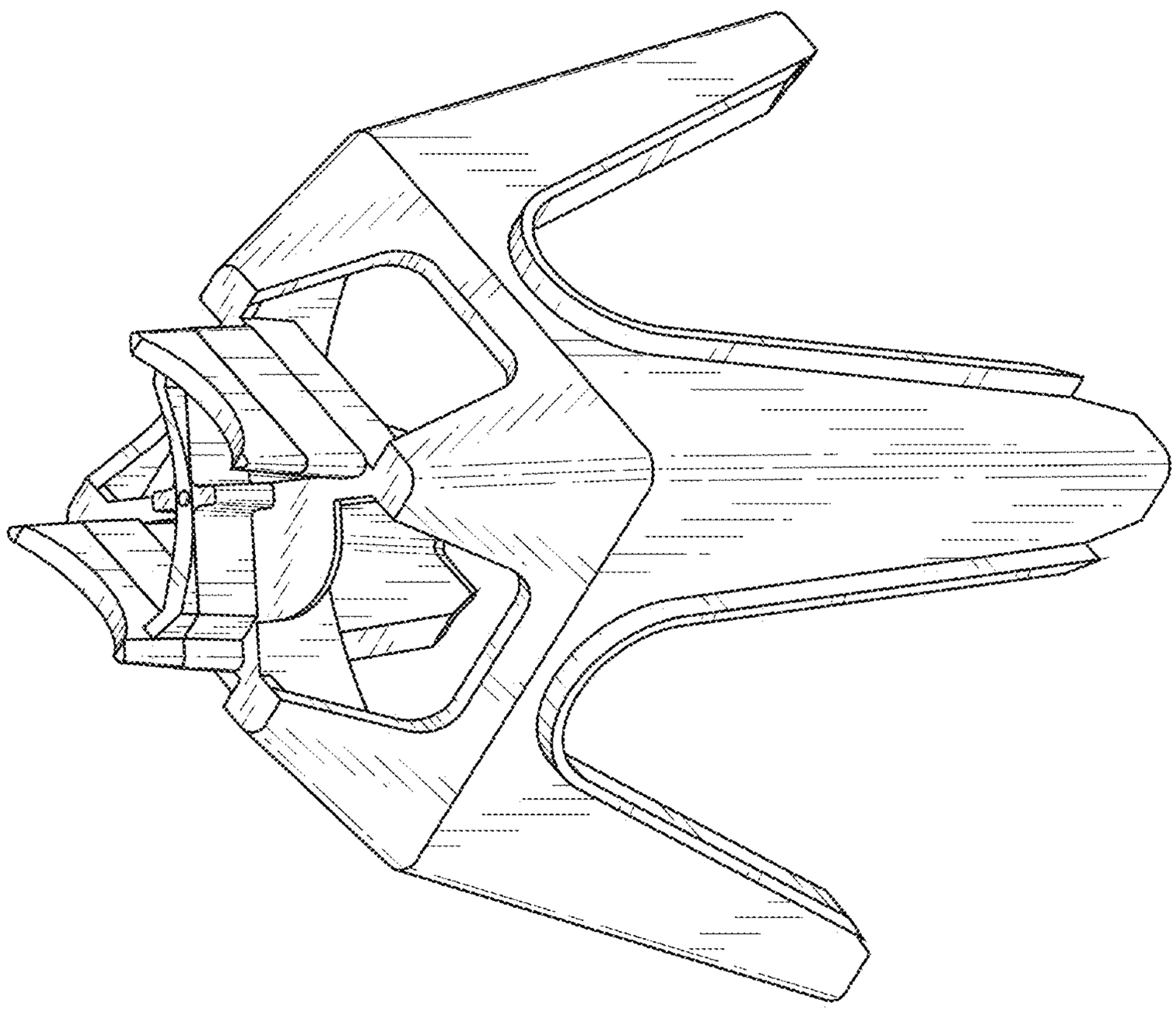

FIG. 8

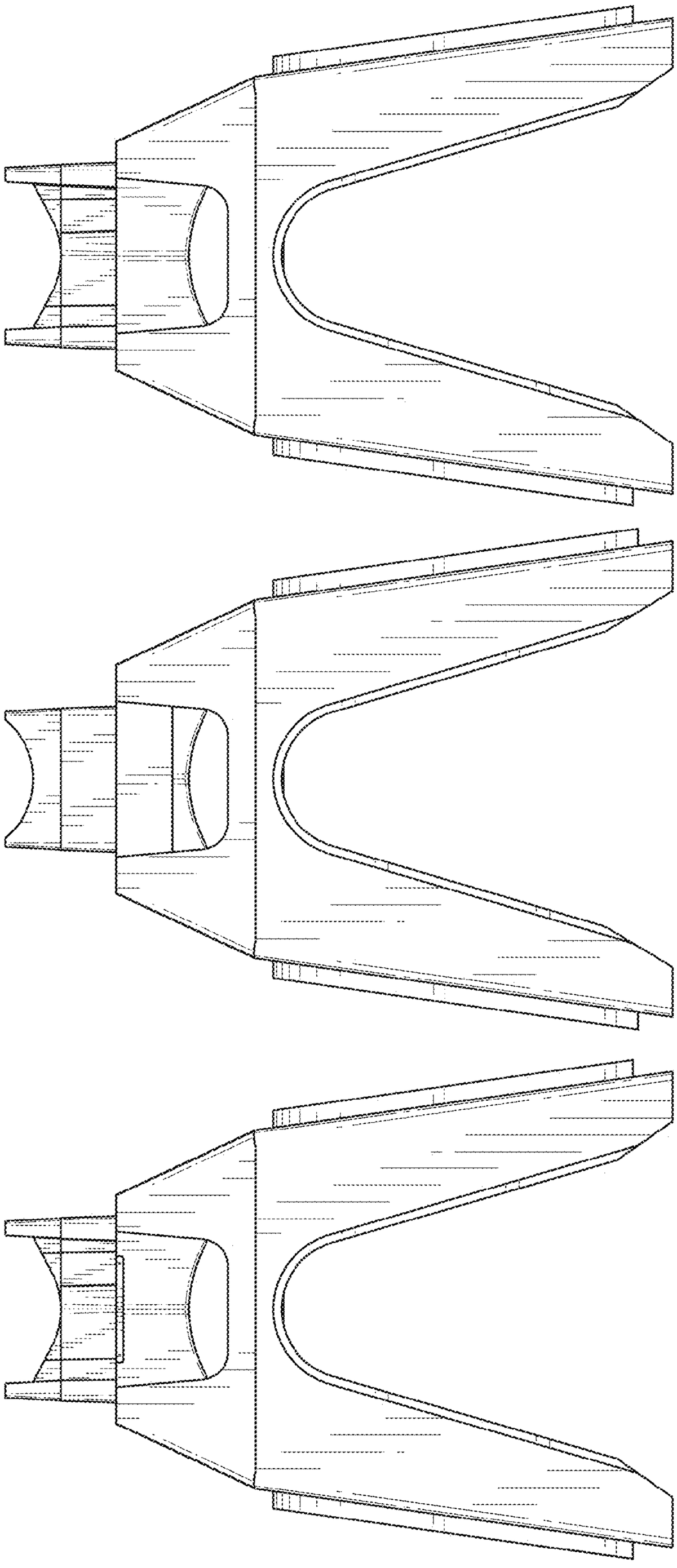

FIG. 12

FIG. 11

FIG. 10

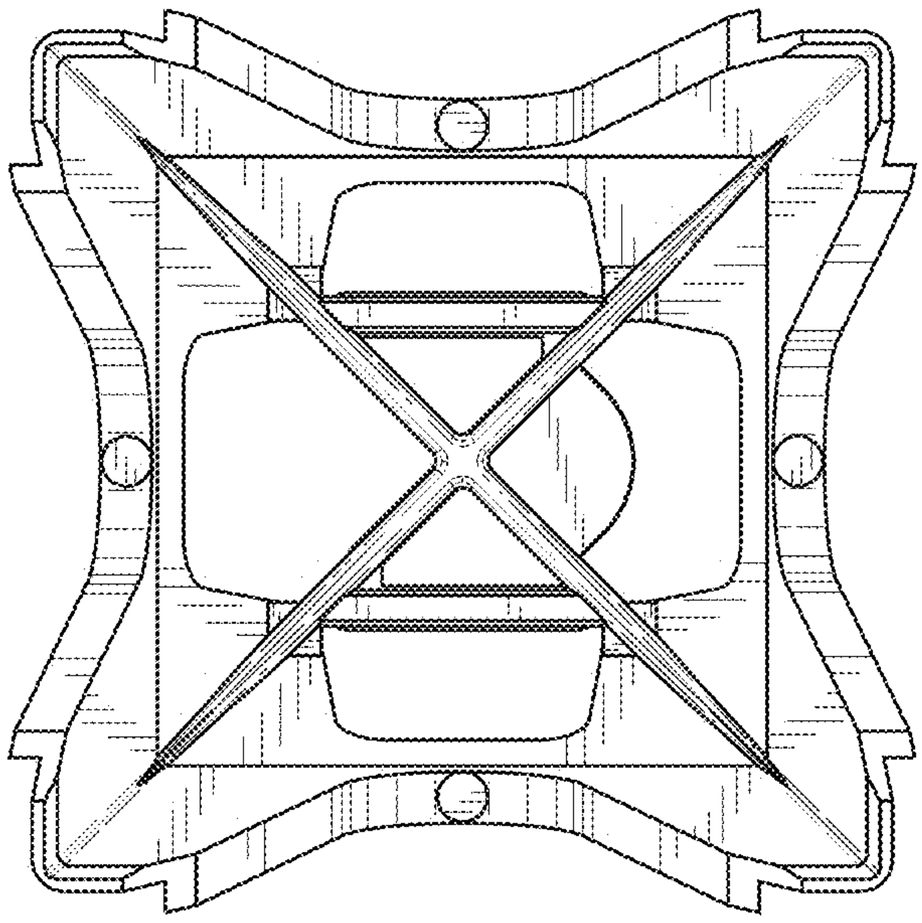

FIG. 14

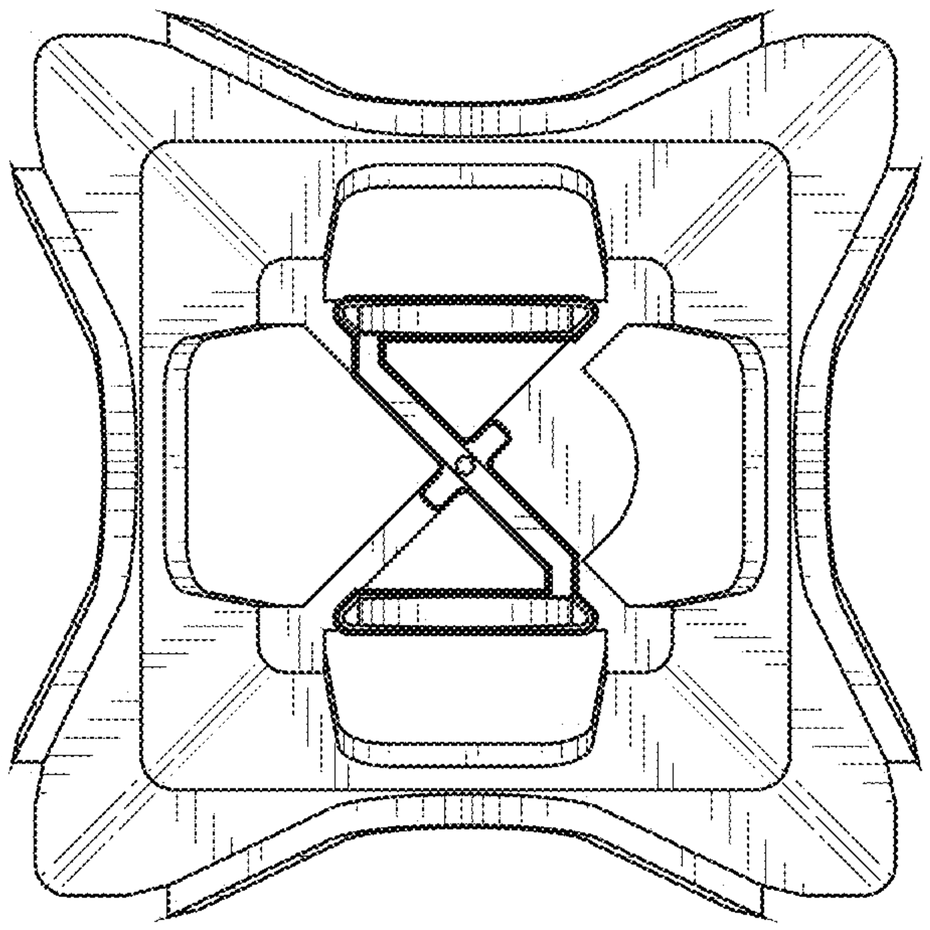

FIG. 15

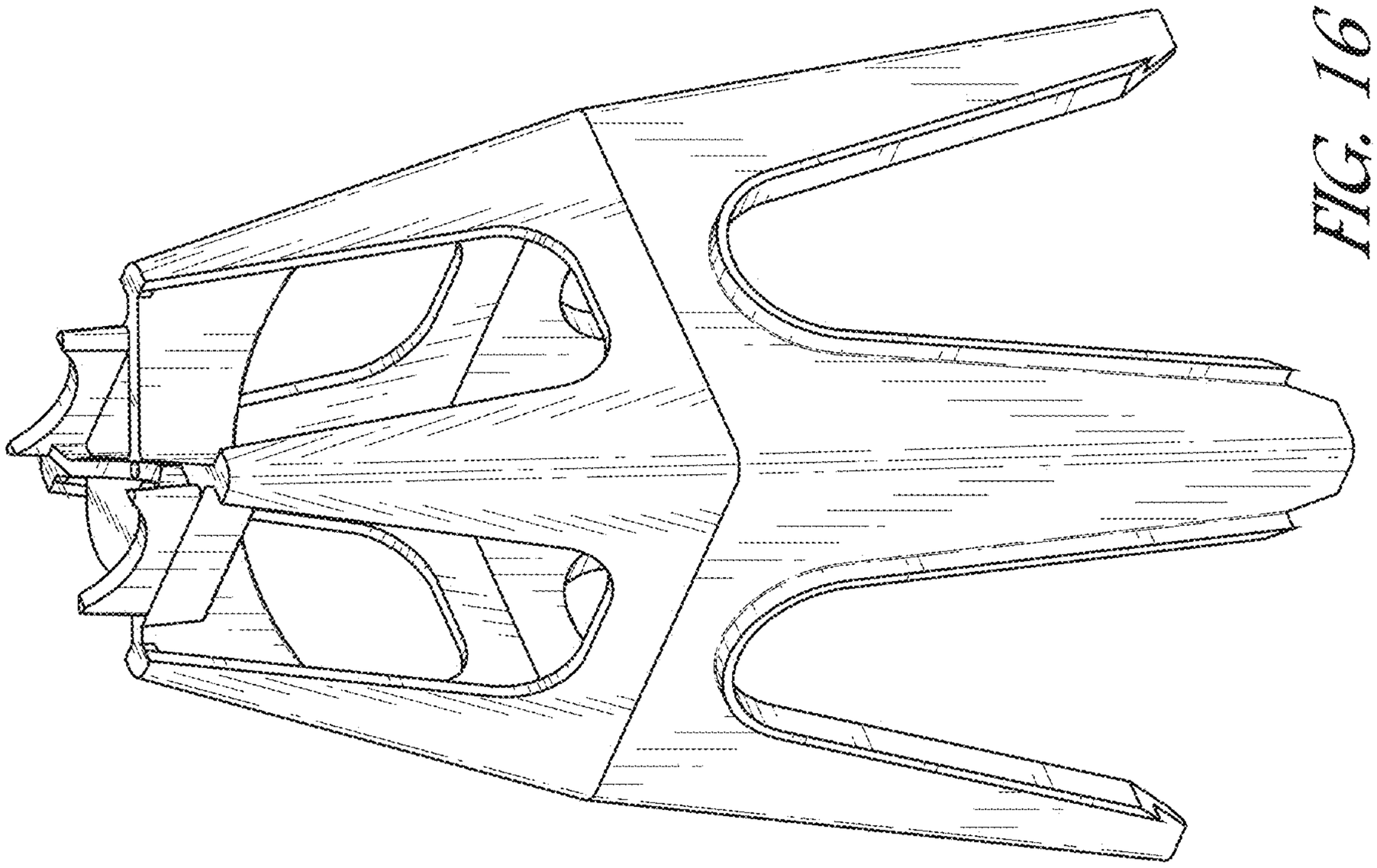

FIG. 16

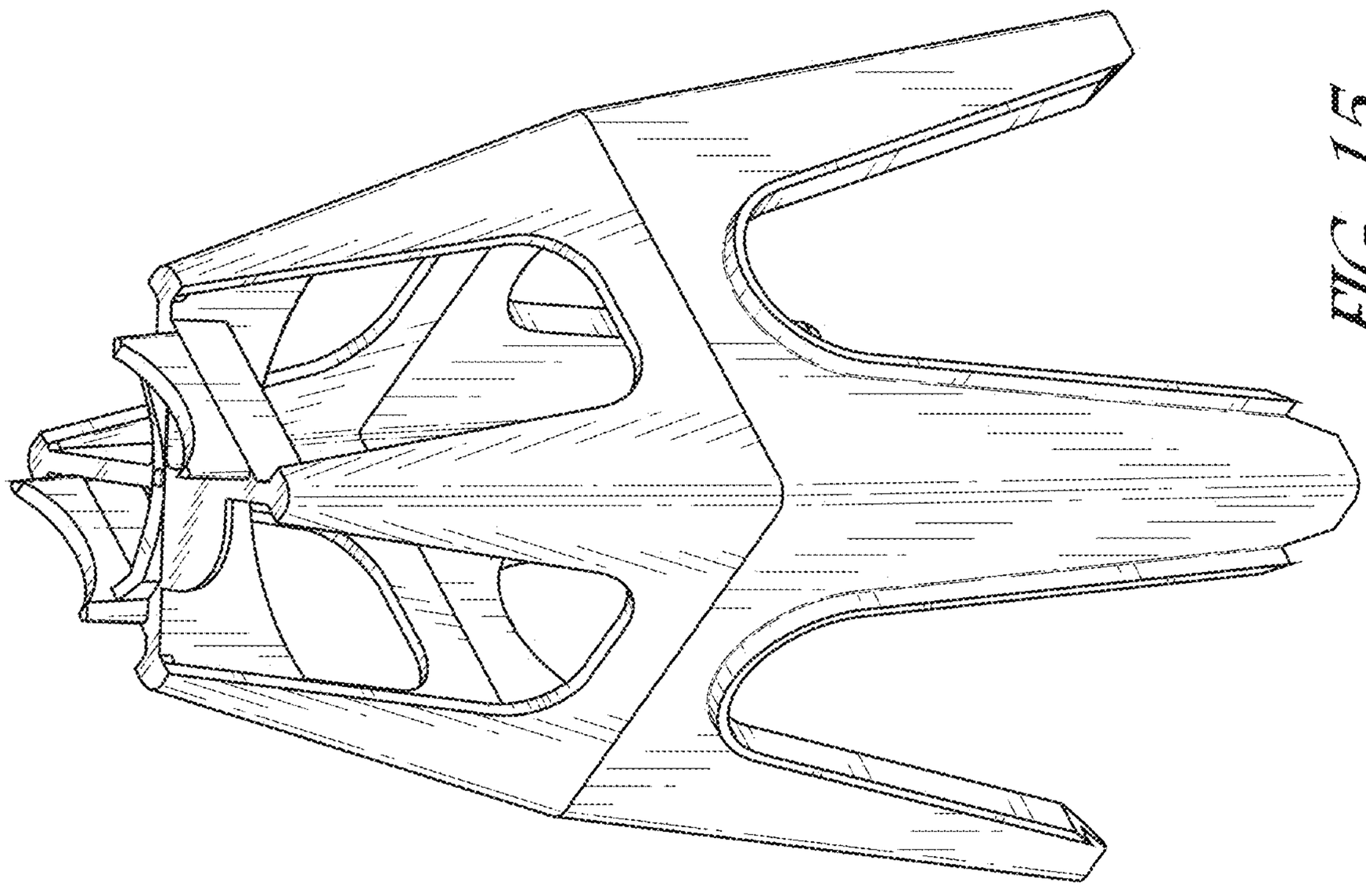

FIG. 17

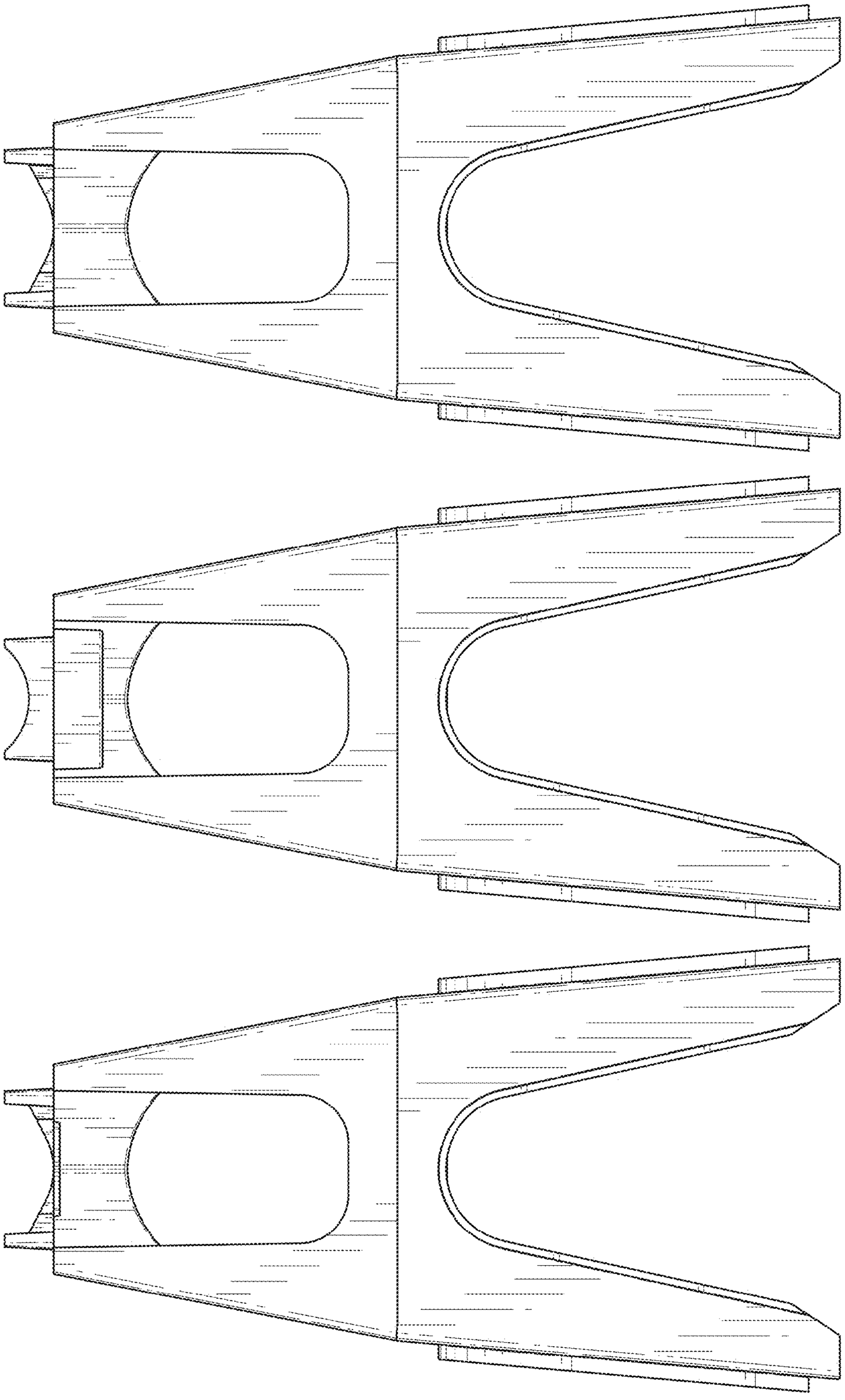

FIG. 19

FIG. 18

FIG. 17

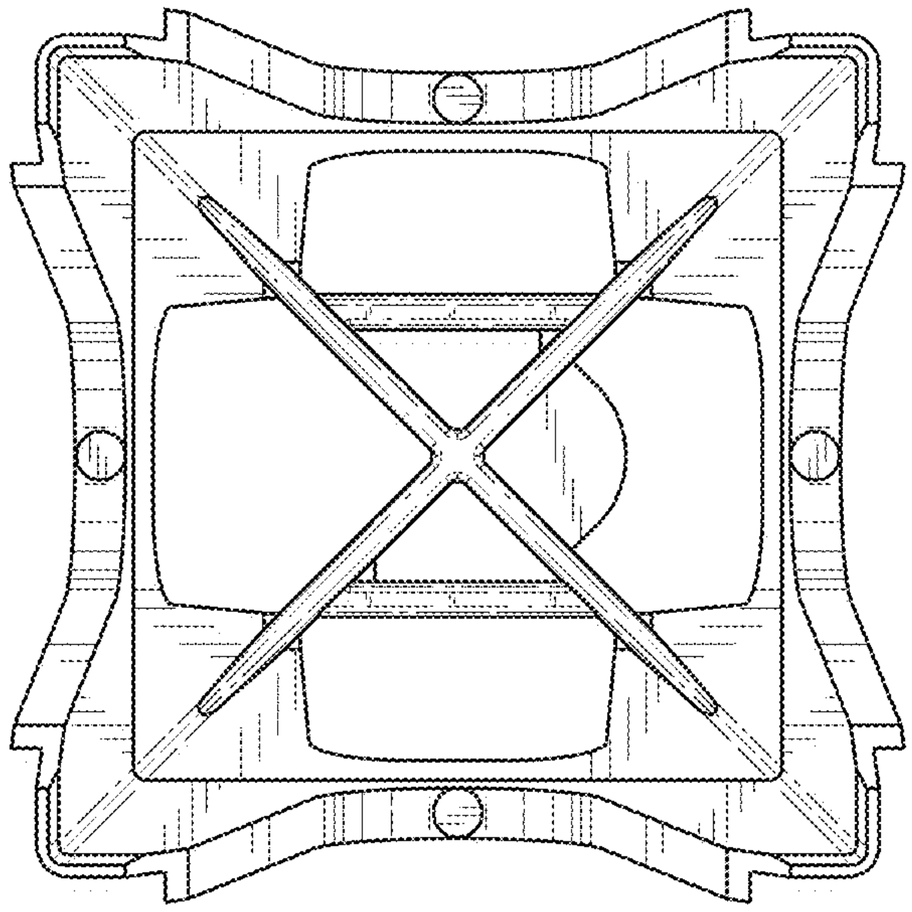

FIG. 21

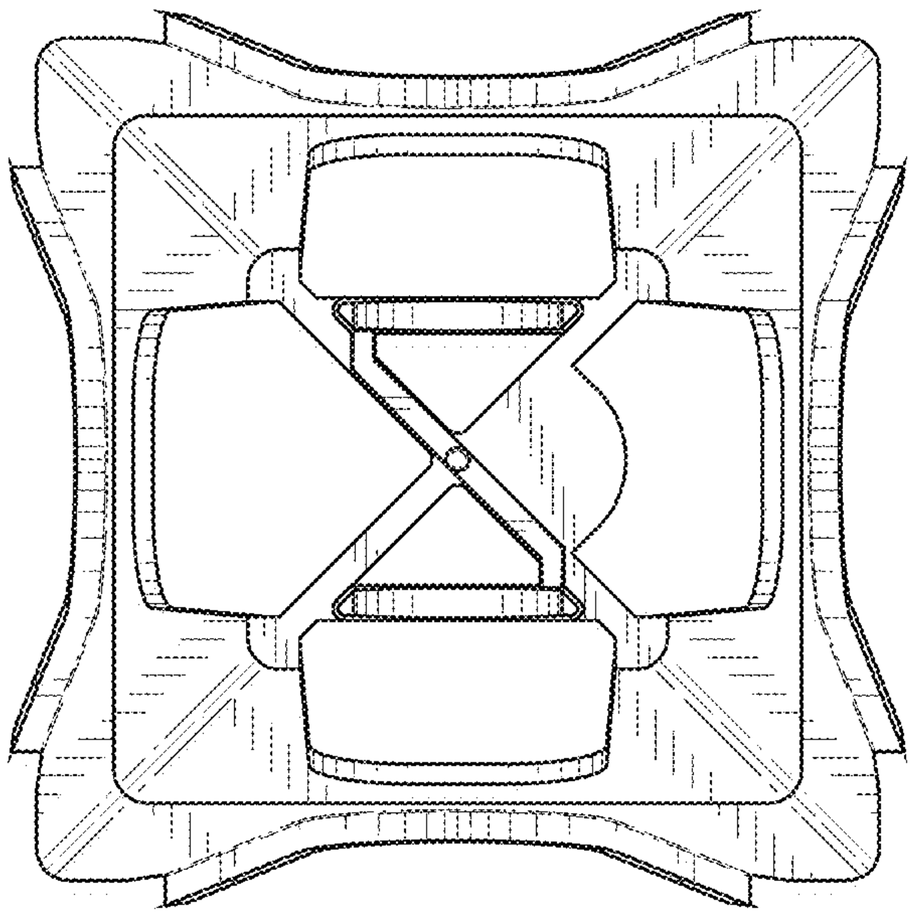

FIG. 20

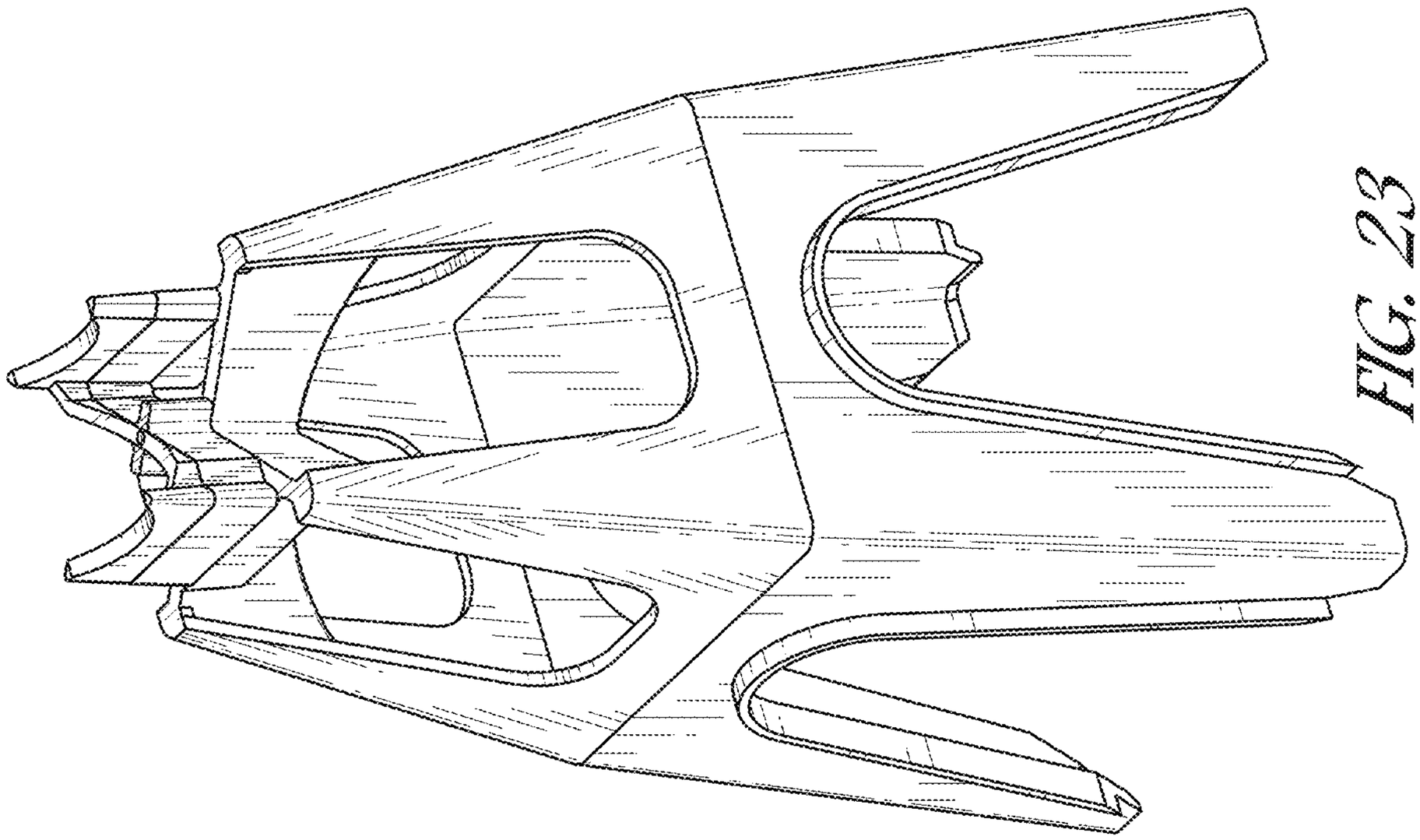

FIG. 23

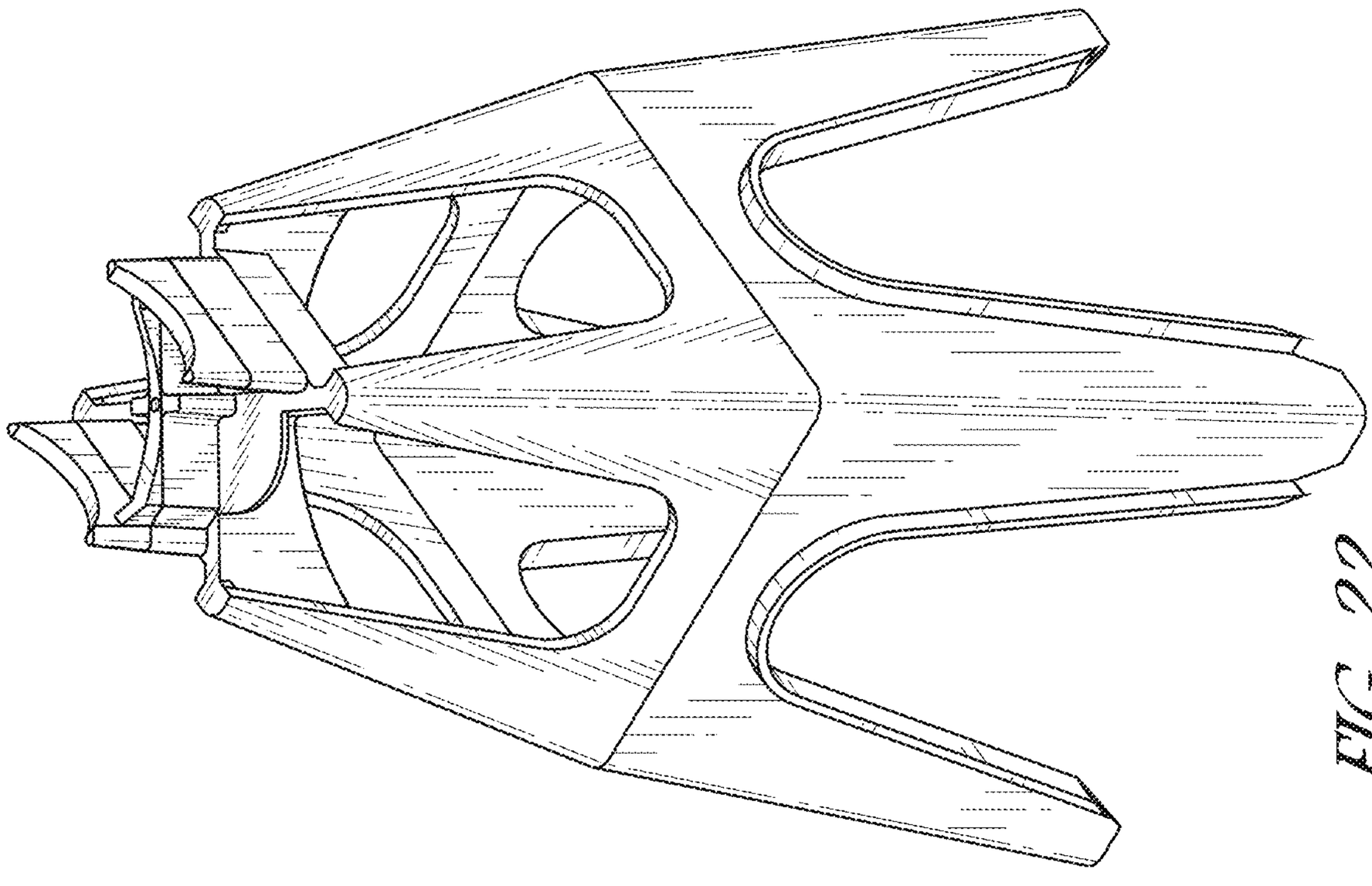

FIG. 22

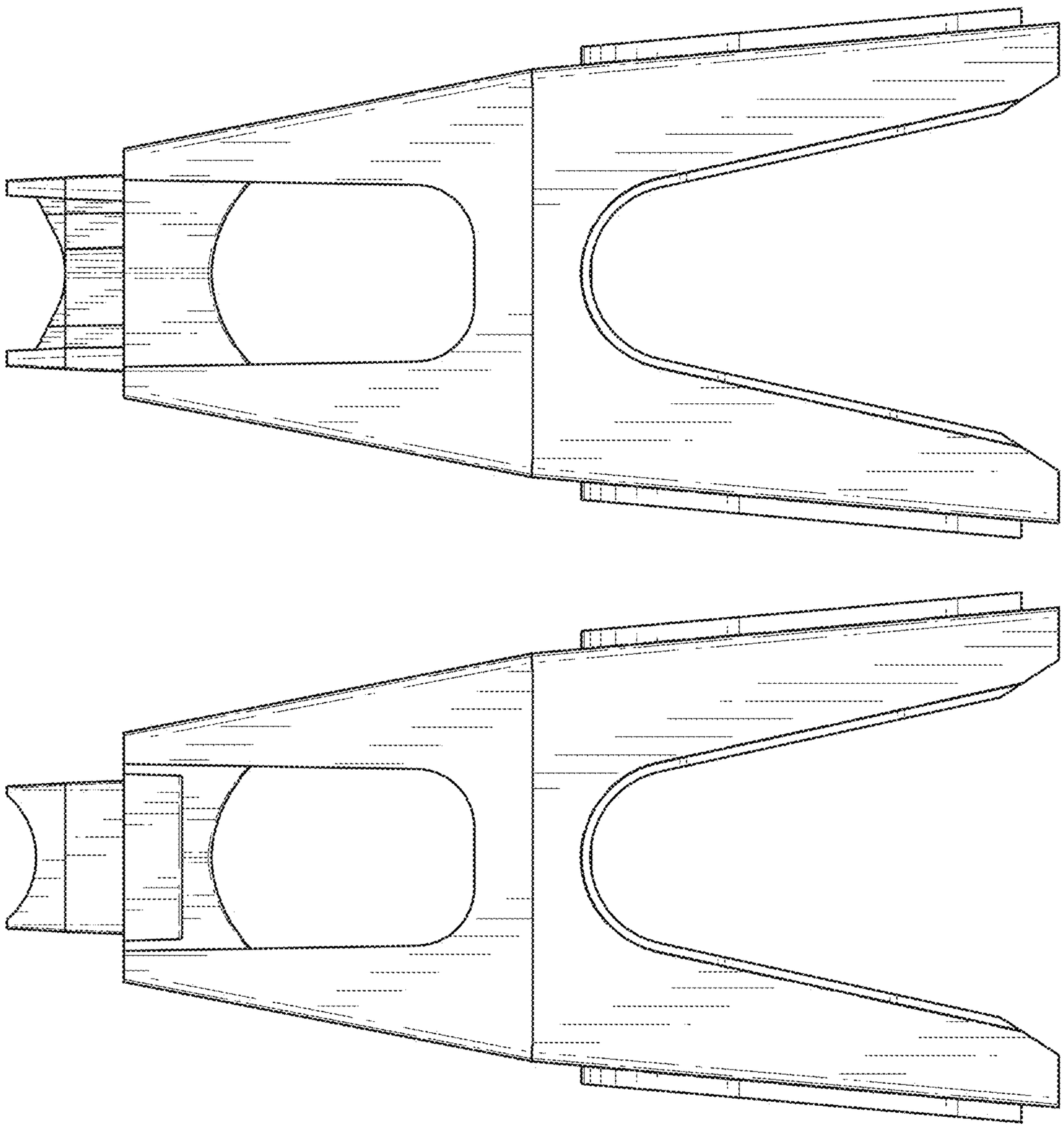

FIG. 26

FIG. 25

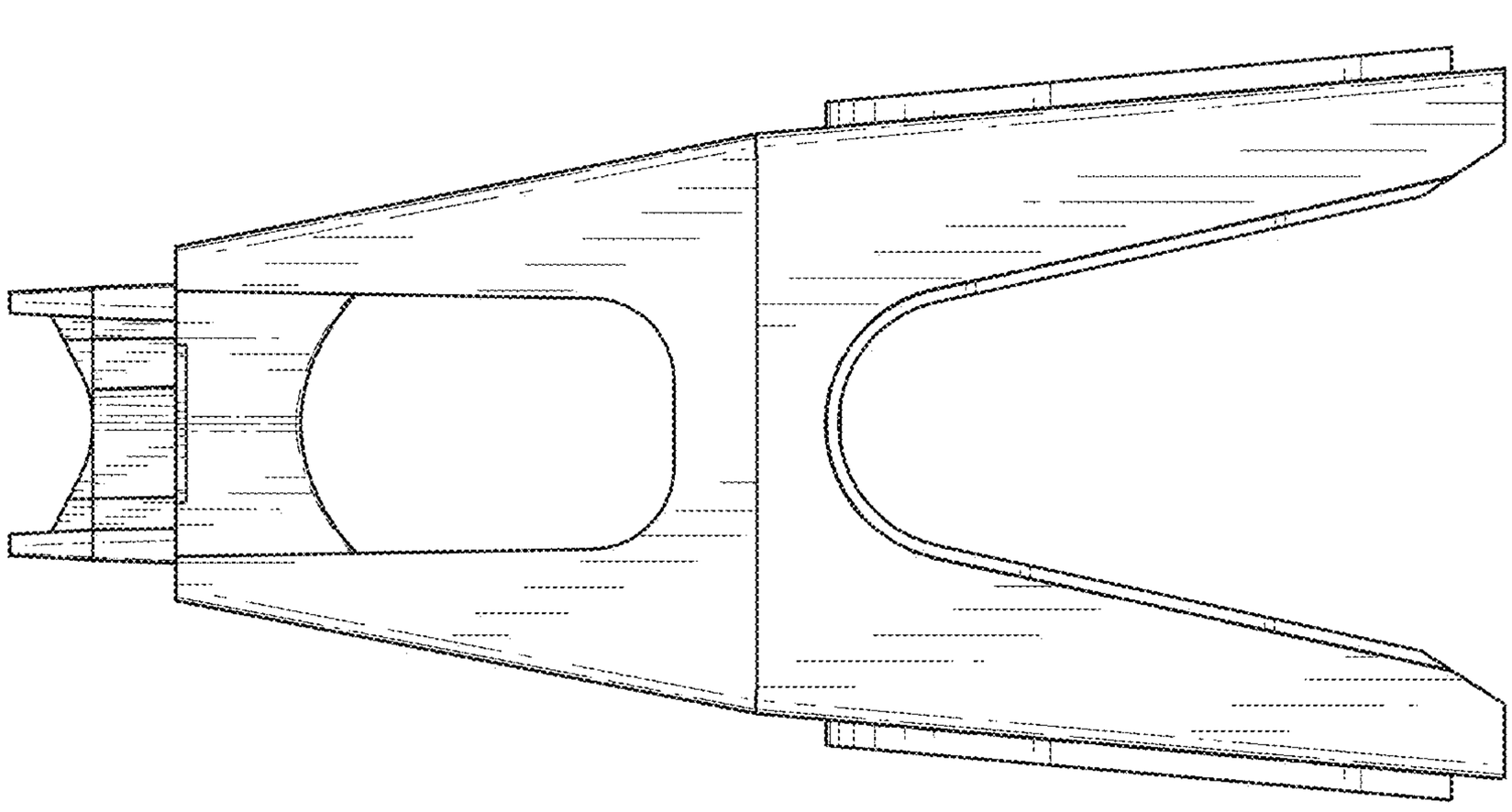

FIG. 24

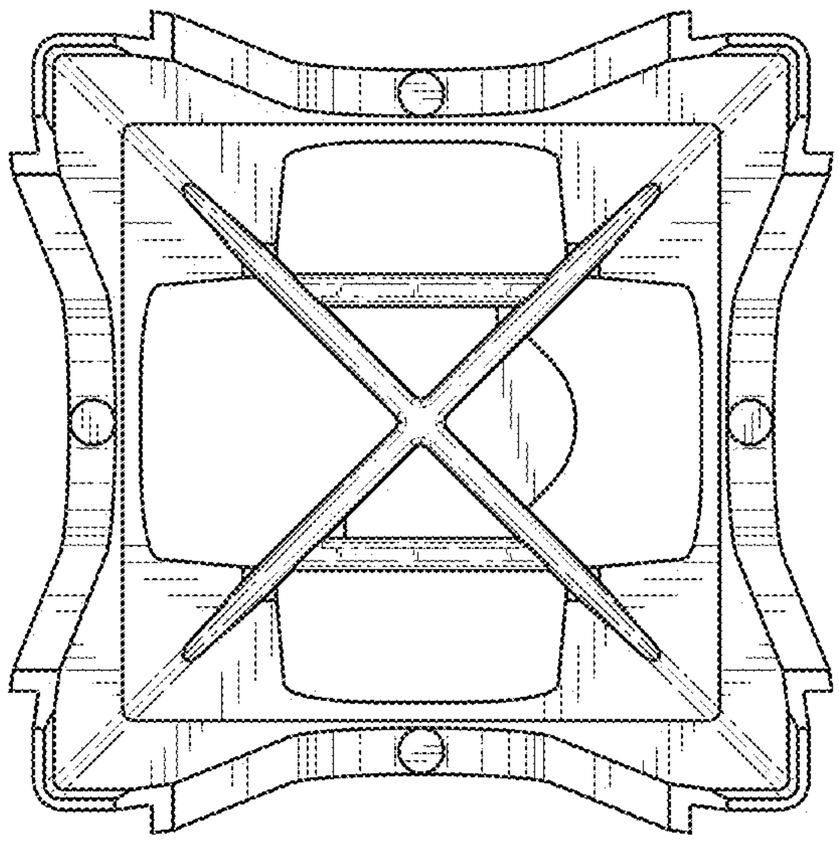

FIG. 26

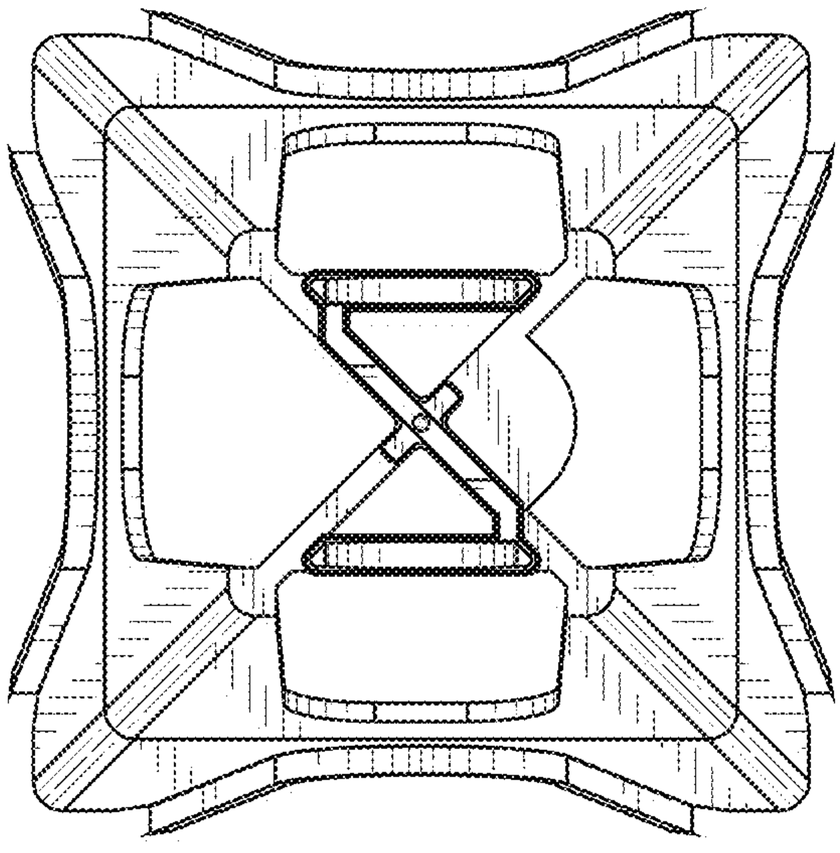

FIG. 27