



US00D885102S

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

(10) **Patent No.:** **US D885,102 S**

(45) **Date of Patent:** **\*\* May 26, 2020**

(54) **SUPPORT STRUCTURE FOR A STAIRLIFT CHAIR**

D180,350 S 5/1957 Armbruster  
D180,393 S 6/1957 Llouhy  
D194,673 S 2/1963 Watlington

(Continued)

(71) Applicants: **THYSSENKRUPP STAIRLIFTS B.V.**,  
Krimpen aan den IJssel (NL);  
**thyssenkrupp AG**, Essen (DE)

*Primary Examiner* — Robert M. Spear

(74) *Attorney, Agent, or Firm* — thyssenkrupp North America, LLC

(72) Inventor: **Sjaak Wisse**, Krimpen aan den IJssel (NL)

(57) **CLAIM**

The ornamental design for a support structure for a stairlift chair, as shown and described.

(73) Assignees: **THYSSENKRUPP STAIRLIFTS B.V.**,  
Krimpen aan den IJssel (NL);  
**THYSSENKRUPP AG**, Essen (DE)

**DESCRIPTION**

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

FIG. 1 is a perspective view of a support structure for a stairlift chair showing my design;

(21) Appl. No.: **29/722,345**

FIG. 2 is a front view thereof;

(22) Filed: **Jan. 29, 2020**

FIG. 3 is a back view thereof;

**Related U.S. Application Data**

(62) Division of application No. 35/505,661, filed on Mar. 20, 2018 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of Mar. 20, 2018, now Pat. No. Des. 877,443.

FIG. 4 is a left side view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is a perspective view thereof, the broken lines showing a backrest, armrests, a seat pan, and footrest of a stairlift chair illustrate environmental structure to which the support structure is installed and the positioning of the support structure in relation to other components of the stairlift chair, and form no part of the claimed design;

(51) **LOC (12) Cl.** ..... **06-06**

(52) **U.S. Cl.**

USPC ..... **D6/716**; D34/35; D12/133

(58) **Field of Classification Search**

USPC ..... D34/28, 35; D12/52, 128, 133; D6/360, D6/362, 380, 716, 716.1, 716.2, 716.4, D6/717

CPC . B66B 9/08; B66B 9/0853; B66B 2009/0892; A61G 5/061; A61G 5/10

See application file for complete search history.

FIG. 9 is a back view thereof, the broken lines showing a backrest, armrests, a seat pan, and footrest of a stairlift chair illustrate environmental structure to which the support structure is installed and the positioning of the support structure in relation to other components of the stairlift chair, and form no part of the claimed design; and,

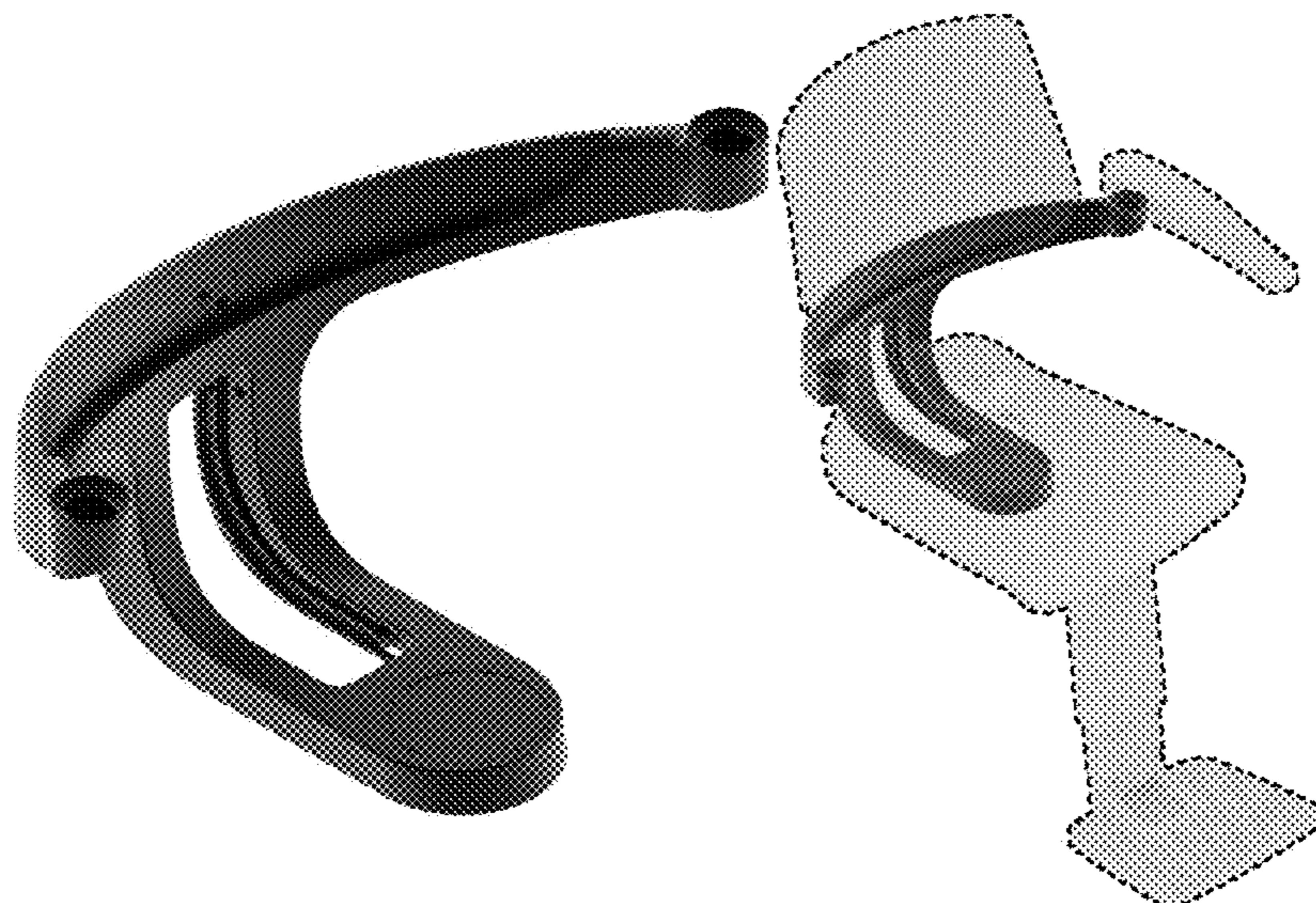
FIG. 10 is a left side view thereof, the broken lines showing a backrest, armrests, a seat pan, and footrest of a stairlift chair illustrate environmental structure to which the support structure is installed and the positioning of the support structure in relation to other components of the stairlift chair, and form no part of the claimed design.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D25,778 S 7/1896 Bates  
D82,189 S 9/1930 Stoner

**1 Claim, 10 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D206,533	S	12/1966	Ducharme	
D275,054	S	8/1984	Aronowitz	
D322,362	S	12/1991	Voves	
D354,177	S *	1/1995	Schwaegerle	D24/183
D366,979	S	2/1996	Opsvik	
D461,658	S *	8/2002	Koepke	D6/716.4
D488,010	S *	4/2004	Chi	D6/366
6,855,098	B2	2/2005	Reitz	
D599,256	S *	9/2009	Kawakami	D12/128
D632,221	S	2/2011	Bogaert	
D647,683	S	10/2011	Woodhams	
D648,093	S	11/2011	Woodhams	
D660,619	S *	5/2012	Petrucelli	D6/360
D773,872	S *	12/2016	Kim	D6/716.2
D773,873	S *	12/2016	Kim	D6/716.2
D777,494	S *	1/2017	Prestwich	D6/716.4
D793,142	S *	8/2017	Tsai	D6/716.4
D808,868	S *	1/2018	Cheng	D6/716.4
D826,614	S *	8/2018	Chu	D6/716.4
10,081,517	B1	9/2018	Cheng	
D877,443	S *	3/2020	Wisse	D6/716.4

\* cited by examiner



FIG. 1

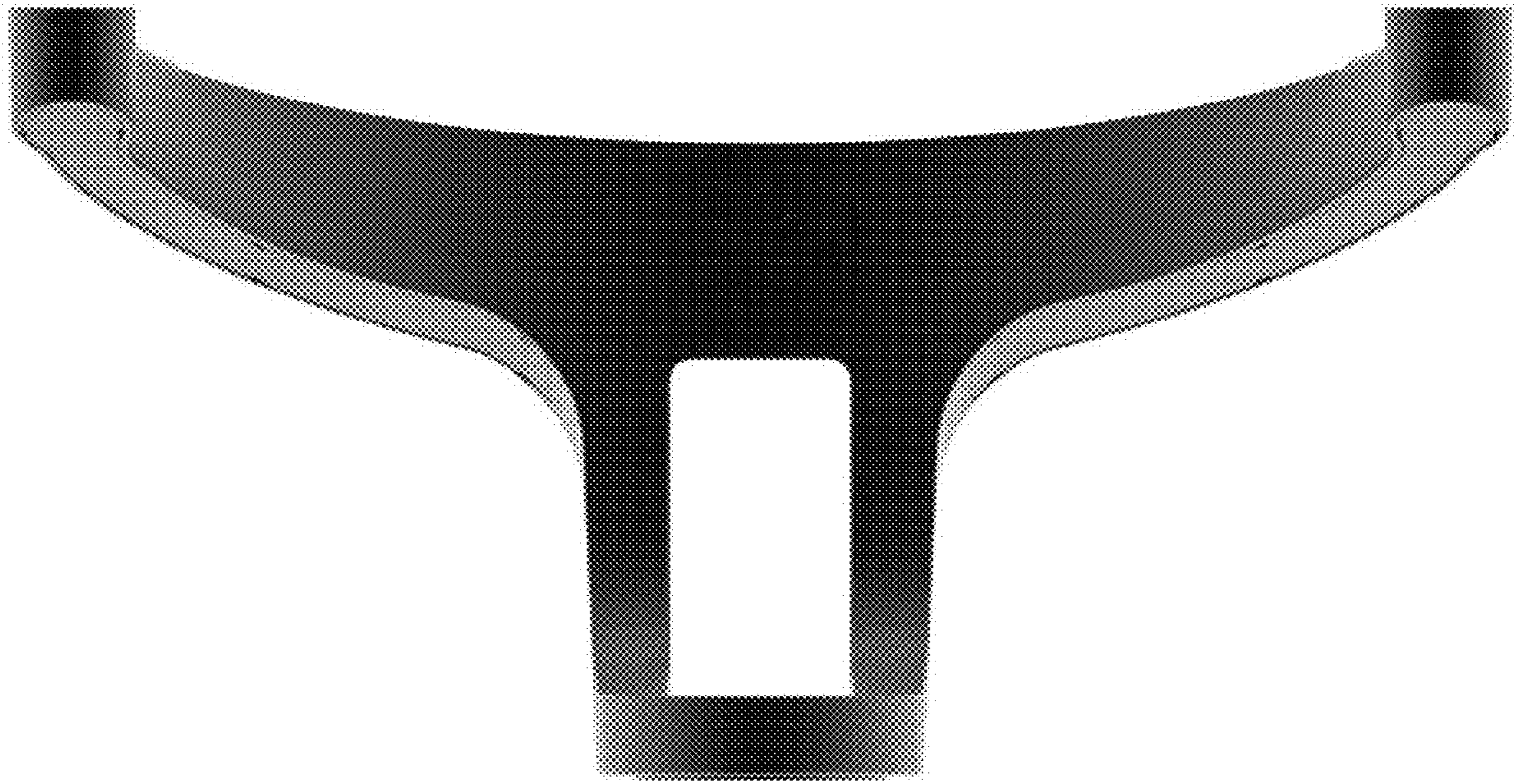


FIG. 2



FIG. 3



FIG. 4

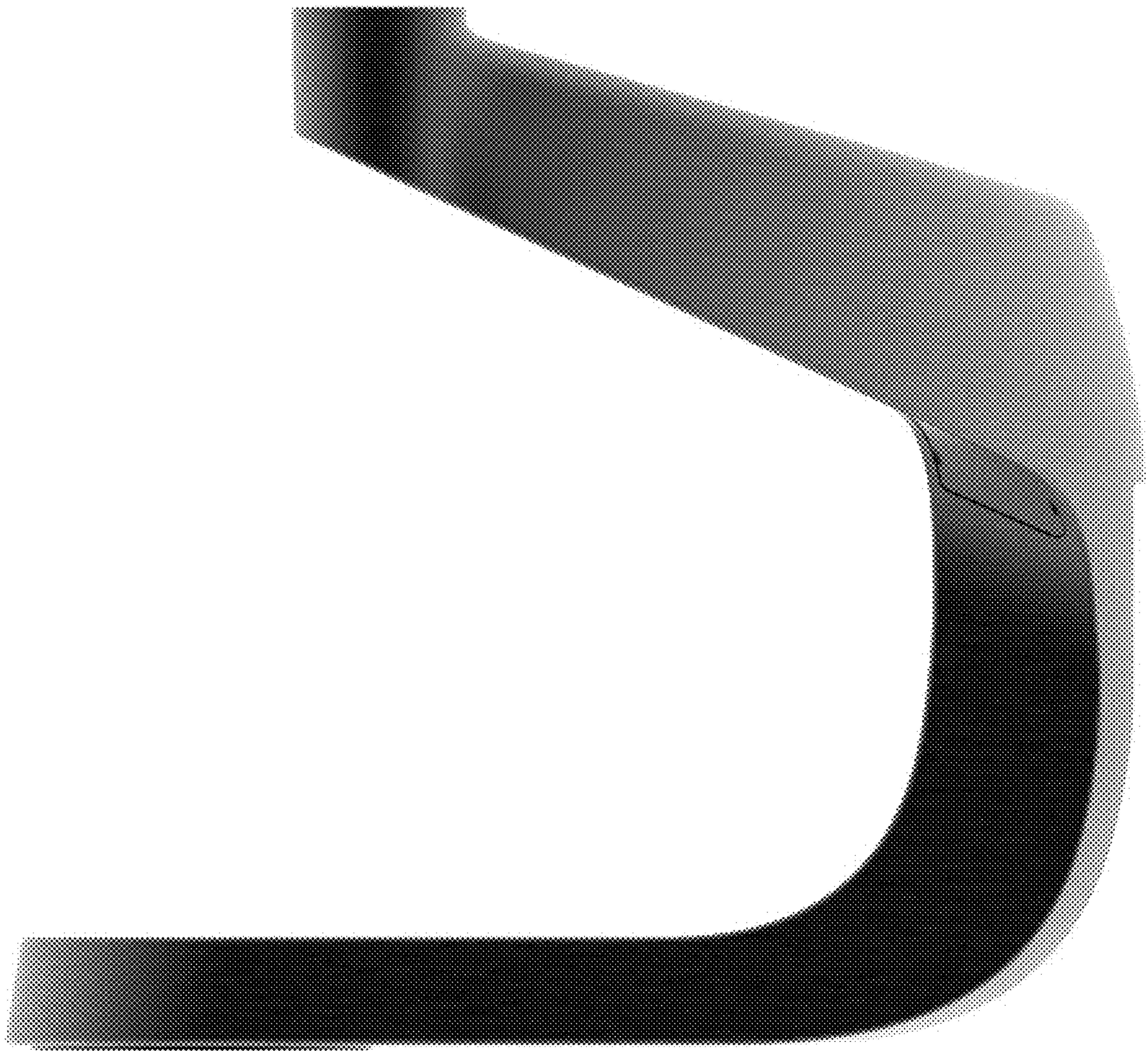


FIG. 5



FIG. 6



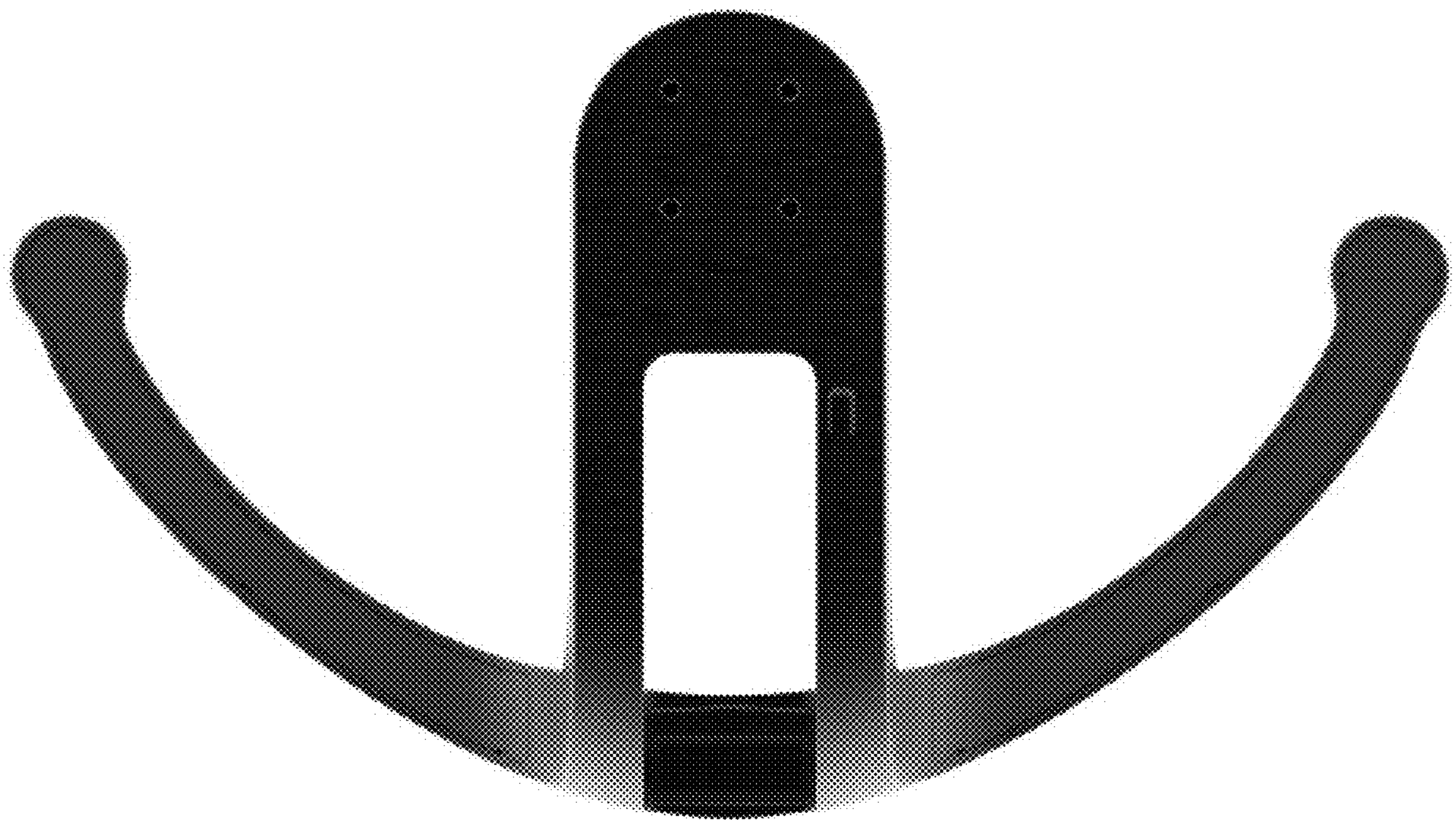


FIG. 7

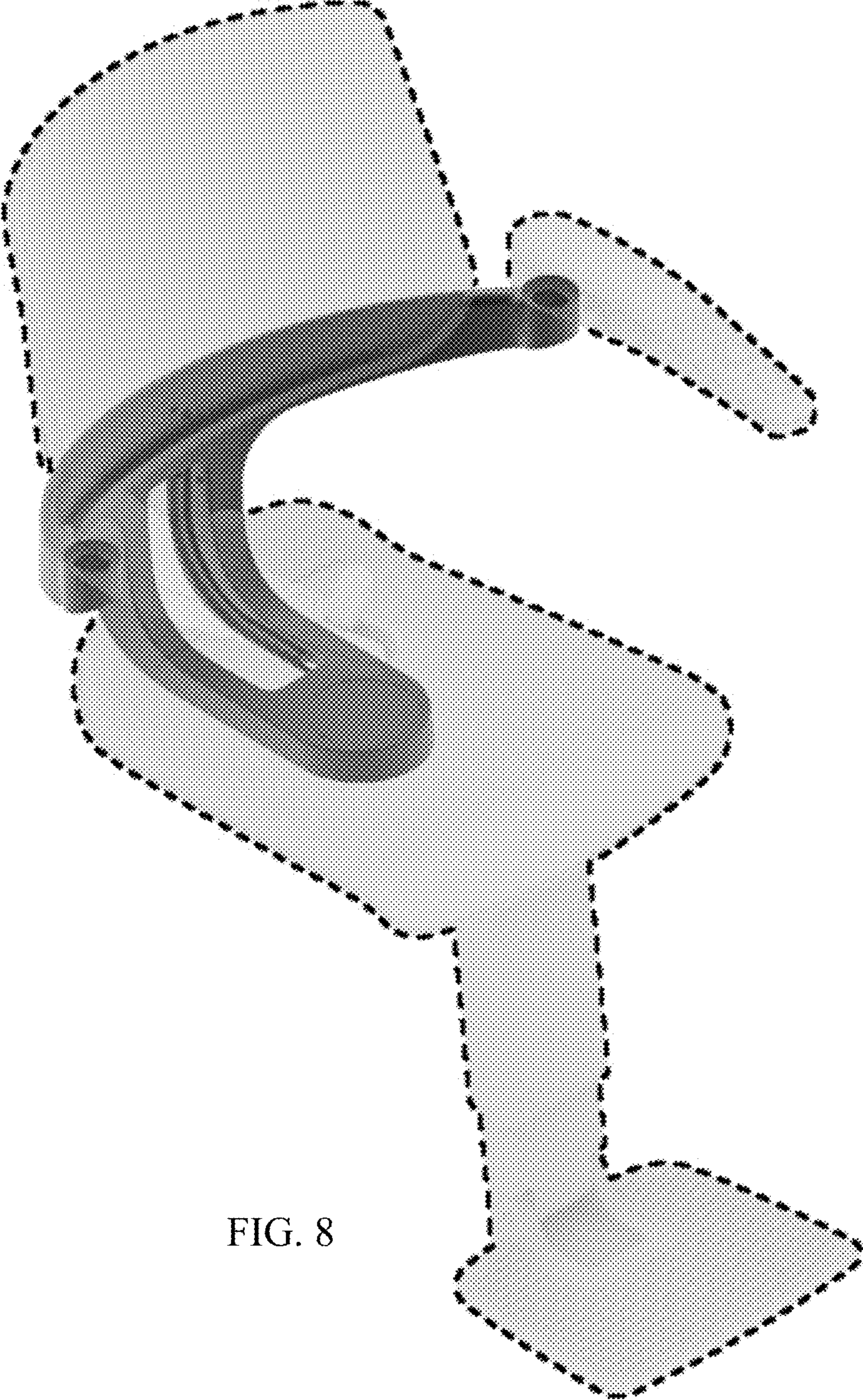


FIG. 8

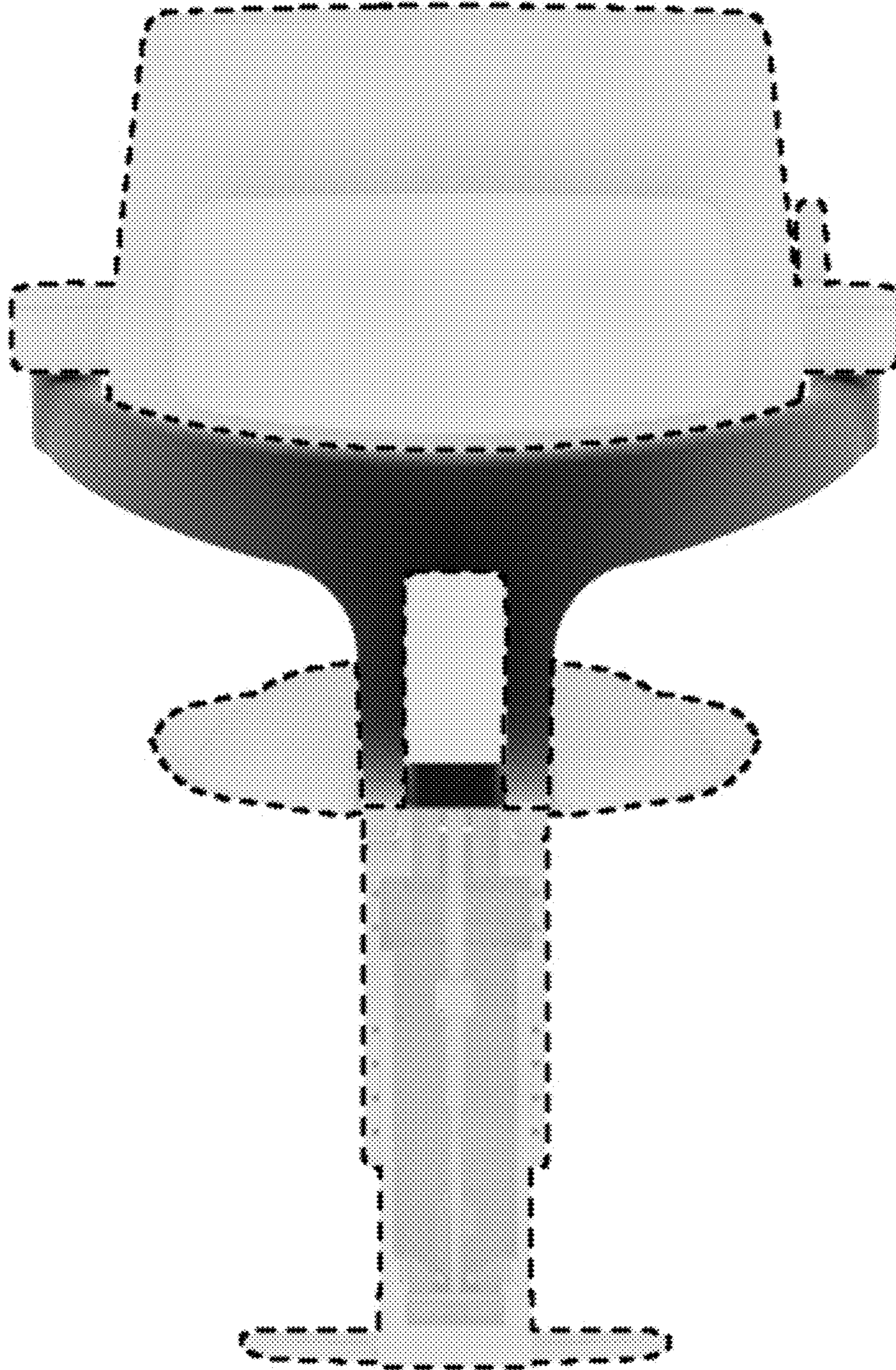


FIG. 9

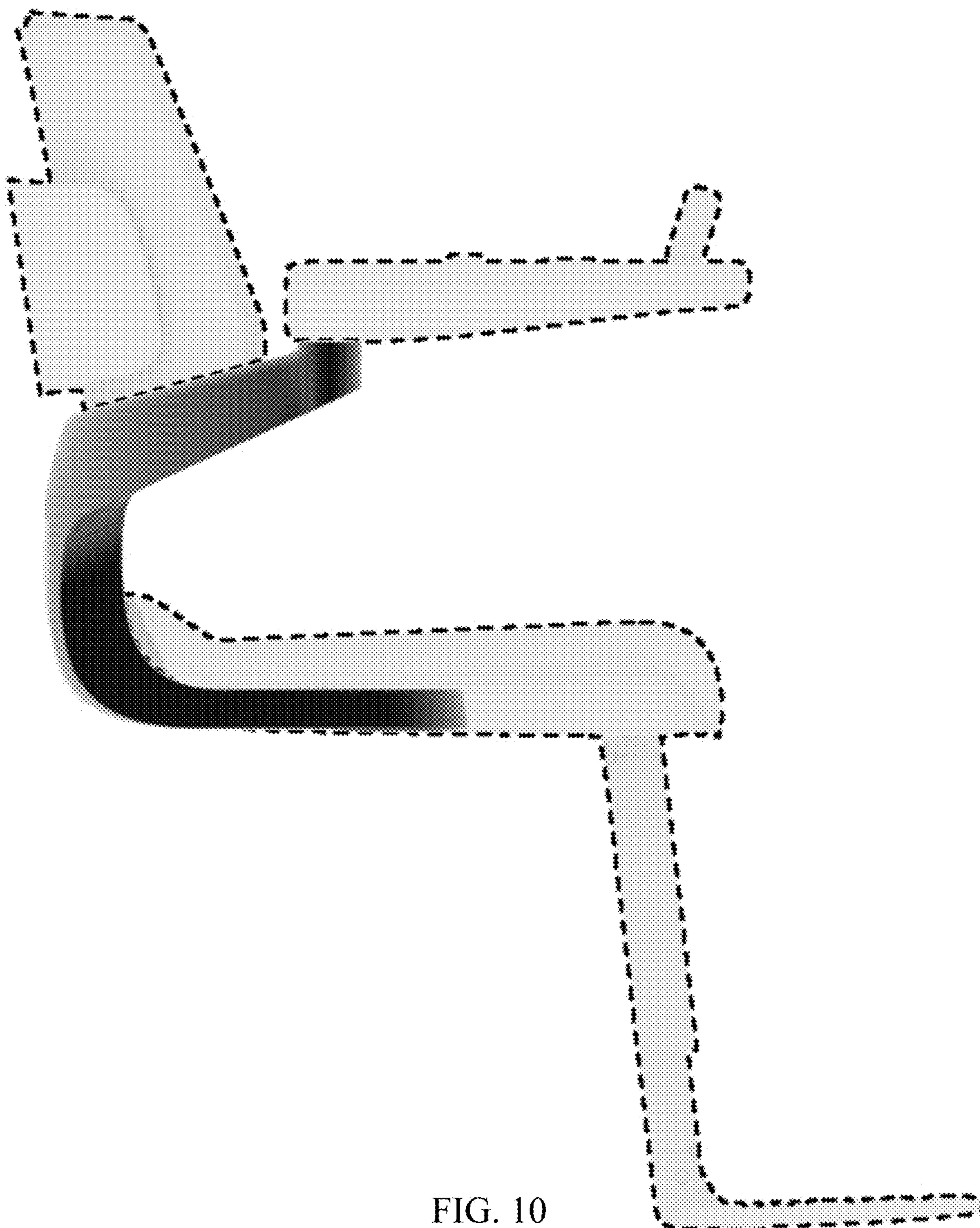


FIG. 10