



US00D591986S

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

(10) **Patent No.:** **US D591,986 S**
(45) **Date of Patent:** **** May 12, 2009**

(54) **BODY SUPPORT STRUCTURE**

(75) Inventors: **Johann Burkhard Schmitz**, Berlin (DE); **Claudia Plikat**, Berlin (DE); **Carola Eva Marianne Zwick**, Berlin (DE); **Roland Rolf Otto Zwick**, Berlin (DE)

(73) Assignee: **Herman Miller, Inc.**, Zeeland, MI (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/291,968**

(22) Filed: **Sep. 21, 2007**

(51) **LOC (9) Cl.** **06-04**

(52) **U.S. Cl.** **D6/502**

(58) **Field of Classification Search** D6/323,
D6/328, 334, 370-371, 373-374, 376, 379-380,
D6/500-502; 297/446

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

946,225 A	1/1910	Irwin	
2,771,122 A	11/1956	Straub	
3,041,109 A	6/1962	Eames et al.	
3,120,407 A	2/1964	Propst	
3,230,011 A	1/1966	Propst	
3,586,370 A	6/1971	Barecki et al.	
3,640,576 A	2/1972	Morrison et al.	
3,844,612 A	10/1974	Borggren	
D235,298 S *	6/1975	Schuyler	D6/492
4,036,527 A	7/1977	Faul	
4,062,590 A	12/1977	Polsky et al.	
4,230,365 A	10/1980	Messinger	
4,522,444 A	6/1985	Pollock	
4,592,126 A	6/1986	Bottemiller	
4,889,385 A	12/1989	Chadwick	
D320,034 S *	9/1991	Brooks et al.	D17/9
5,352,022 A	10/1994	Knoblock	
5,518,294 A	5/1996	Ligon, Sr. et al.	
D377,431 S	1/1997	Stumpf et al.	
5,649,743 A	7/1997	Skalka	

D386,023 S	11/1997	Stumpf et al.	
D390,026 S *	2/1998	Biecher	D6/375
5,954,399 A	9/1999	Hong	
5,975,634 A	11/1999	Knoblock et al.	
6,015,187 A	1/2000	Roslund, Jr. et al.	
D436,259 S	1/2001	Nagamitsu	
D436,260 S	1/2001	Nagamitsu	
D437,132 S	2/2001	Nagamitsu	
D441,977 S *	5/2001	Vaaler	D6/380
D442,383 S *	5/2001	Bell	D6/375
D444,309 S	7/2001	Nagamitsu	
6,257,665 B1	7/2001	Nagamitsu et al.	
D465,347 S *	11/2002	Bell	D6/376
6,505,890 B2	1/2003	Riley et al.	
D469,618 S	2/2003	Nagamitsu	
D469,970 S *	2/2003	Molteni	D6/374
D476,493 S	7/2003	Nagamitsu	
D476,820 S	7/2003	Nagamitsu	

(Continued)

FOREIGN PATENT DOCUMENTS

AU 6563380 A1 1/1983

(Continued)

OTHER PUBLICATIONS

Faraday, "Exploring Biomimetrics for Products & Packaging", Sep. 27, 2007, 3 pages.

(Continued)

Primary Examiner—Elizabeth A Albert
Assistant Examiner—Kelley A Donnelly
(74) *Attorney, Agent, or Firm*—Brinks Hofer Gilson & Lione

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a body support structure;
FIG. 2 is a front view of the body support structure shown in FIG. 1;

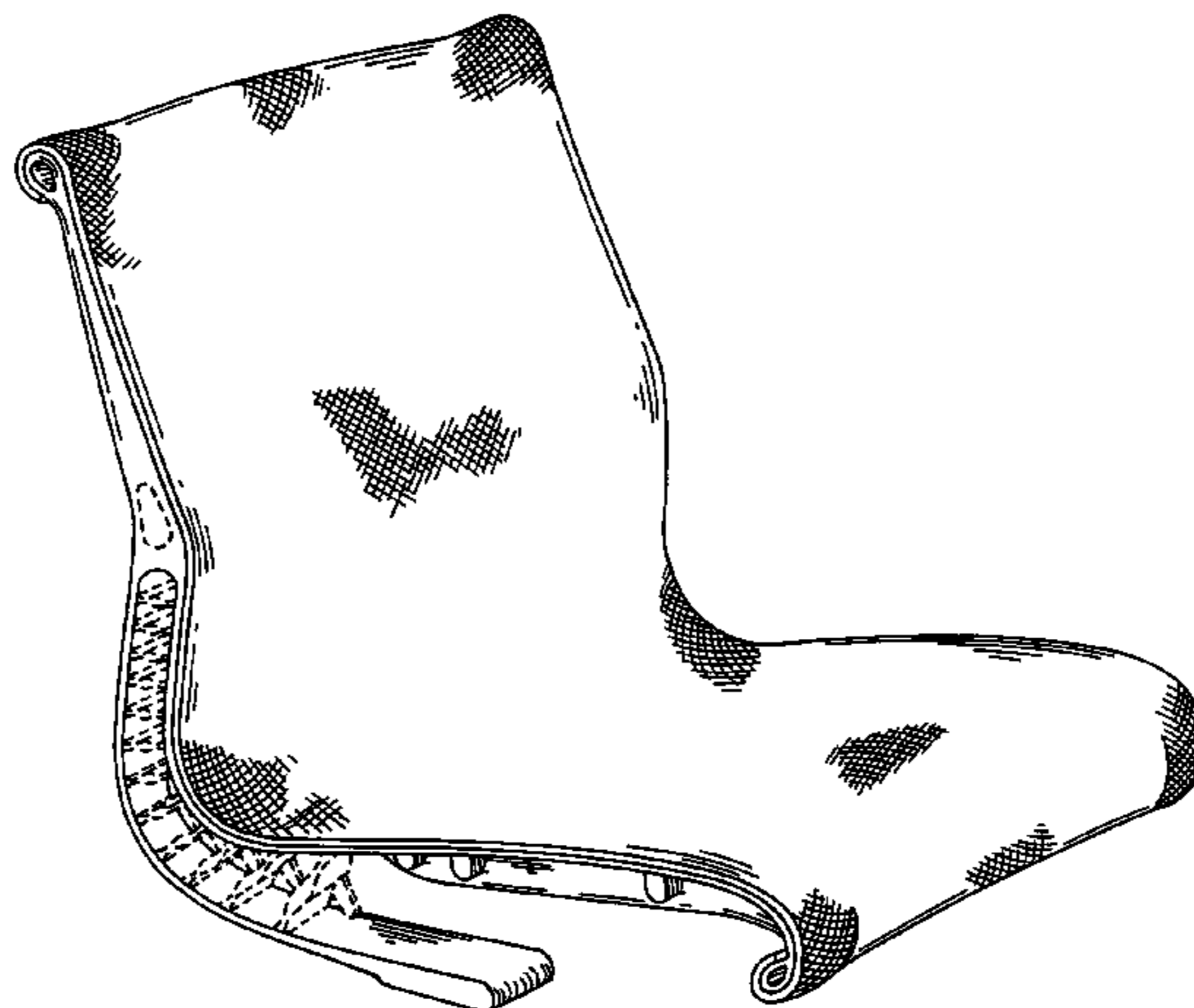


FIG. 3 is a rear view of the body support structure shown in FIG. 1;

FIG. 4 is a right side view of the body support structure shown in FIG. 1;

FIG. 5 is a left side view of the body support structure shown in FIG. 1;

FIG. 6 is a top view of the body support structure shown in FIG. 1; and,

FIG. 7 is a bottom view of the body support structure shown in FIG. 1.

The broken lines showing ribs and/or openings in FIGS. 1, 4, and 5 are for environmental purposes only and do not form any part of the claimed design.

The cross hatch pattern that can be seen in FIGS. 1, 2, 3, 6, and 7 represents texture of the surface material and is distributed uniformly over the surfaces on which it is only partially represented.

1 Claim, 7 Drawing Sheets

U.S. PATENT DOCUMENTS

D481,560	S	*	11/2003	Vidmar et al.	.....	D6/491
D482,542	S	*	11/2003	Pluer	.....	D6/375
D487,359	S		3/2004	Giugiaro		
D489,542	S		5/2004	Giugiaro		
6,749,261	B2		6/2004	Knoblock et al.		
D509,969	S	*	9/2005	Loew et al.	.....	D6/366
D511,629	S	*	11/2005	Caldwell	.....	D6/375
D512,578	S		12/2005	Igarashi		
D512,579	S		12/2005	Igarashi		
D513,910	S	*	1/2006	Gehry	.....	D6/500
6,986,549	B2		1/2006	Kniese		
6,991,291	B2		1/2006	Knoblock et al.		
D514,345	S		2/2006	Igarashi		
D514,838	S		2/2006	Igarashi		
D526,495	S	*	8/2006	Albin	.....	D6/348
7,097,249	B2		8/2006	Igarashi et al.		
D527,920	S		9/2006	Giugiaro		
D528,810	S		9/2006	Giugiaro		
D528,811	S		9/2006	Giugiaro		
D528,812	S		9/2006	Giugiaro		
D540,557	S	*	4/2007	Doughty	.....	D6/375
D542,549	S		5/2007	Hara		
D542,580	S	*	5/2007	Loew et al.	.....	D6/502
D543,039	S		5/2007	Hara		
D543,040	S		5/2007	Hara		
D543,041	S		5/2007	Hara		
D543,042	S		5/2007	Hara		
D543,369	S		5/2007	Hara		
D543,371	S	*	5/2007	Wang	.....	D6/375
D543,385	S	*	5/2007	Loew et al.	.....	D6/500
D543,397	S	*	5/2007	Loew et al.	.....	D6/502
D543,736	S	*	6/2007	Shields	.....	D6/500
7,243,993	B2		7/2007	Igarashi et al.		
D550,471	S		9/2007	Igarashi		
D550,977	S		9/2007	Igarashi		
D552,368	S	*	10/2007	Scheper et al.	.....	D6/375
D552,882	S		10/2007	Saotome		
D554,384	S	*	11/2007	Scheper et al.	.....	D6/374
D555,924	S		11/2007	Igarashi		
D557,921	S	*	12/2007	Kane	.....	D6/375
D559,000	S	*	1/2008	Vanderminden, Sr.	.....	D6/375
D572,915	S	*	7/2008	Doughty	.....	D6/334
D573,816	S	*	7/2008	Muller	.....	D6/502
2006/0238009	A1		10/2006	Igarashi et al.		
2006/0244295	A1		11/2006	Igarashi et al.		

FOREIGN PATENT DOCUMENTS

DE	4433663	A1	3/1996
DE	19916411	A1	11/2000
EP	049310	B1	3/1985
EP	860355	A1	8/1998
EP	1040999	A2	10/2000
FR	2715124	A1	7/1995
JP	D1284784		10/2006
LU	88528	A	3/1996

OTHER PUBLICATIONS

Herman Miller for Business, "Eames Aluminum Group & Soft Pad Chairs," [online][retrieved from internet: URL <http://www.hermanmiller.com/CDA/SSA/Product/1,1592,a10-c440-p39m,001.html>], [retrieved—date unknown], 2 pages.

United States Patent and Trademark Office, Trademark, Principal Register, Reg. No. 3,105,591, registered Jun. 20, 2006, 1 page.

Okamura Corporation, "Baron Ergonomic Mesh Chair," copyright 2005, [online][retrieved from internet: URL <http://www.okamura.co.jp/english/product/office/baron/index.html>], [retrieved on Mar. 31, 2008], 1 page.

* cited by examiner

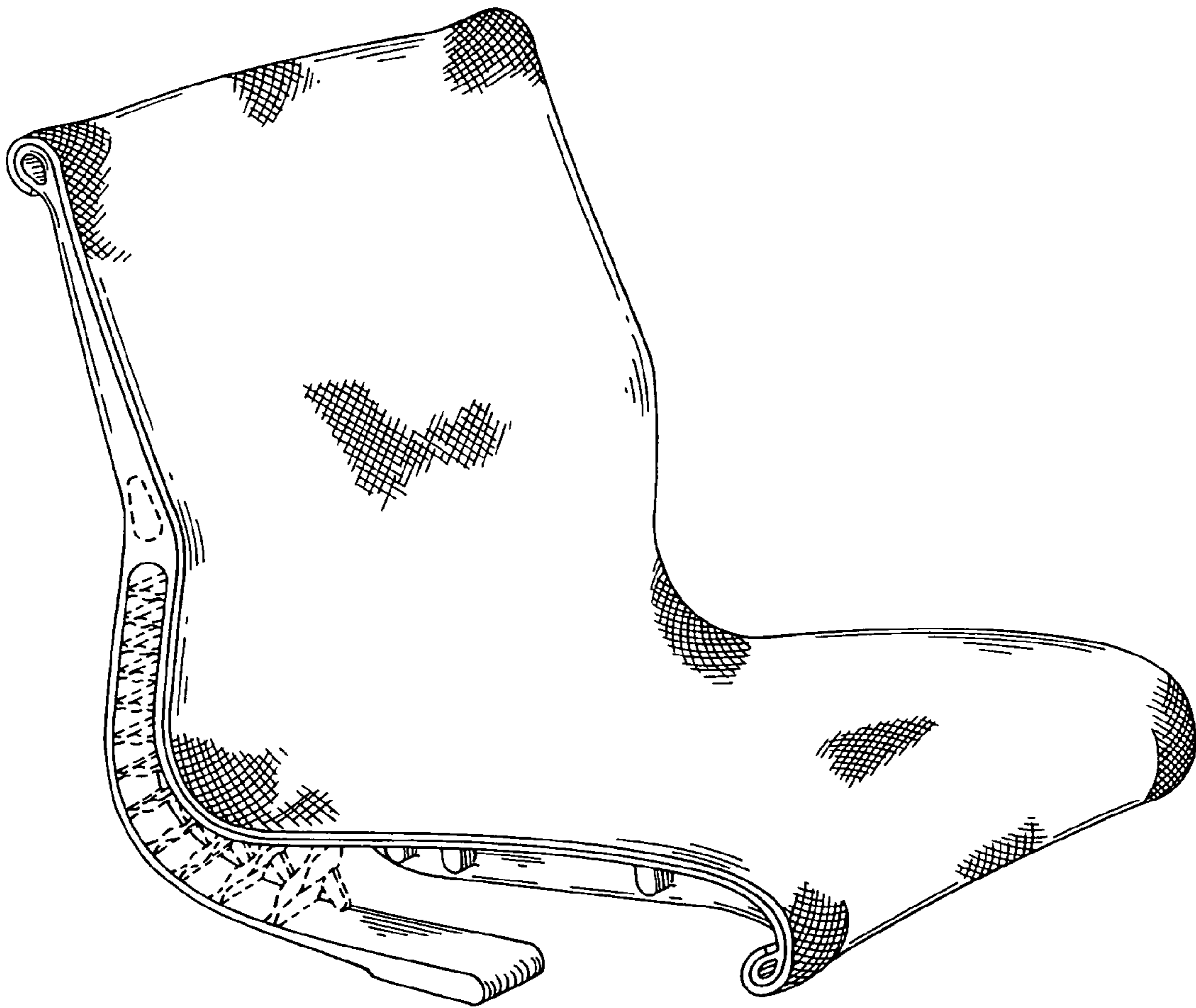


Fig. 1

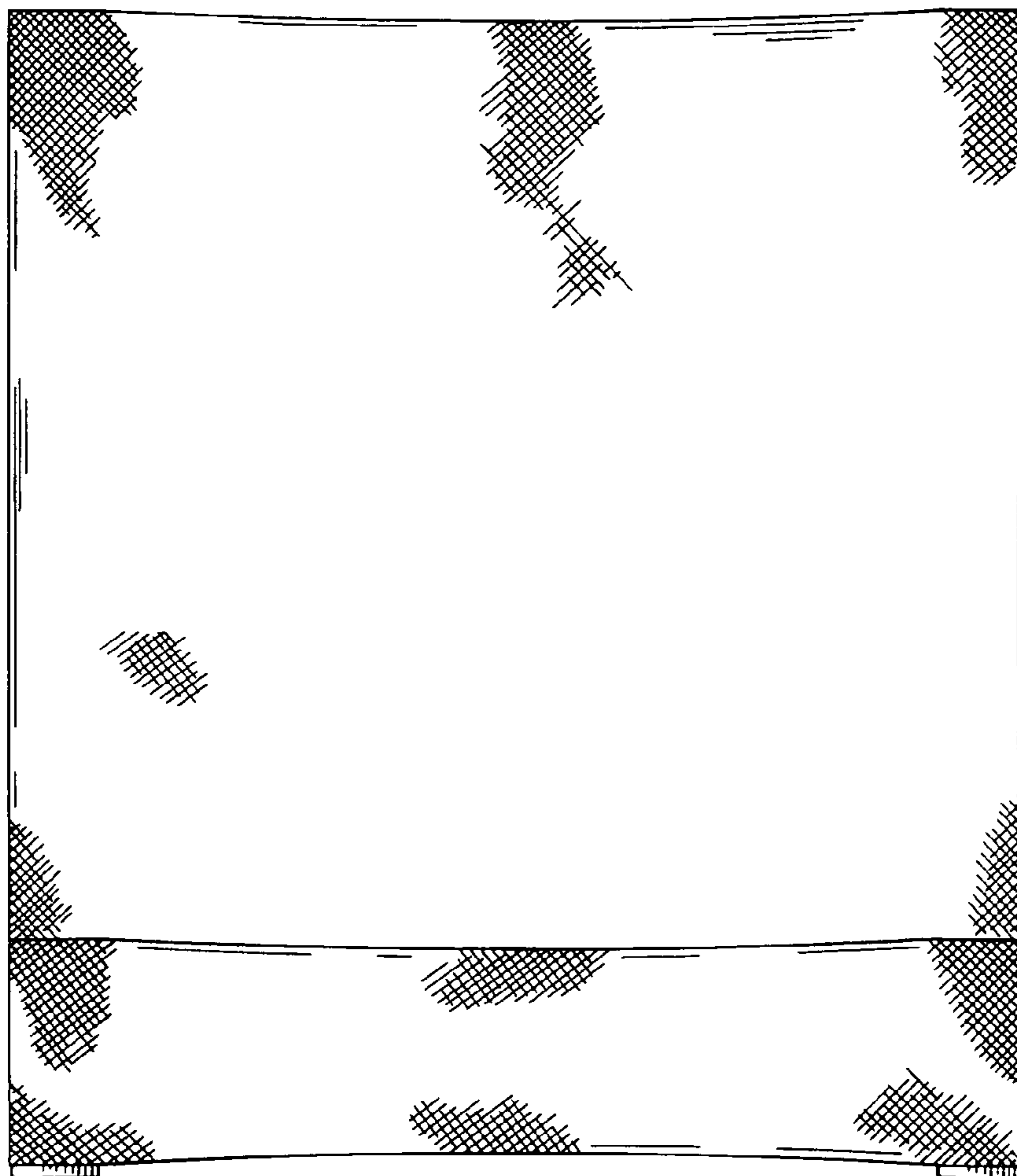


Fig. 2

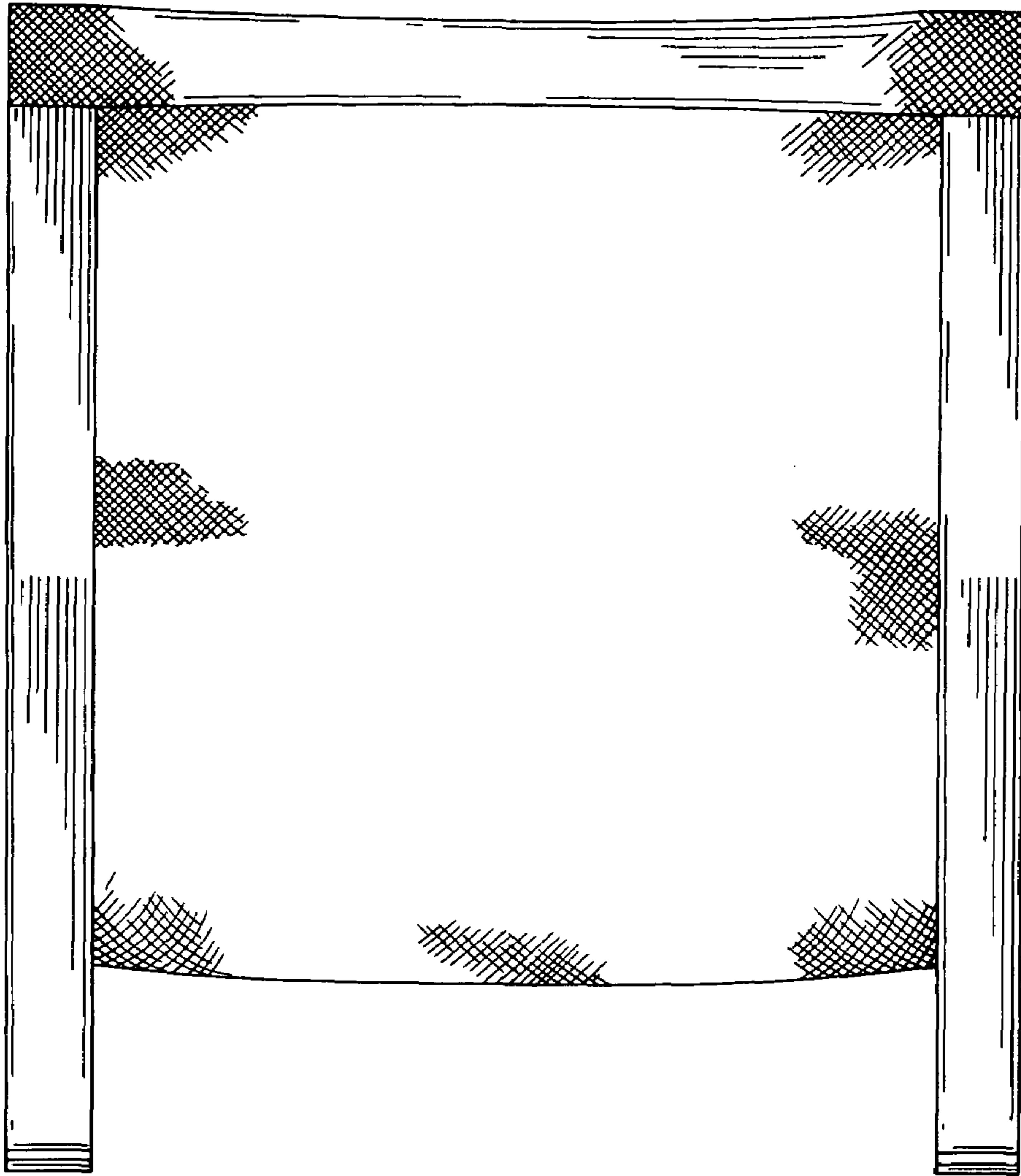


Fig. 3

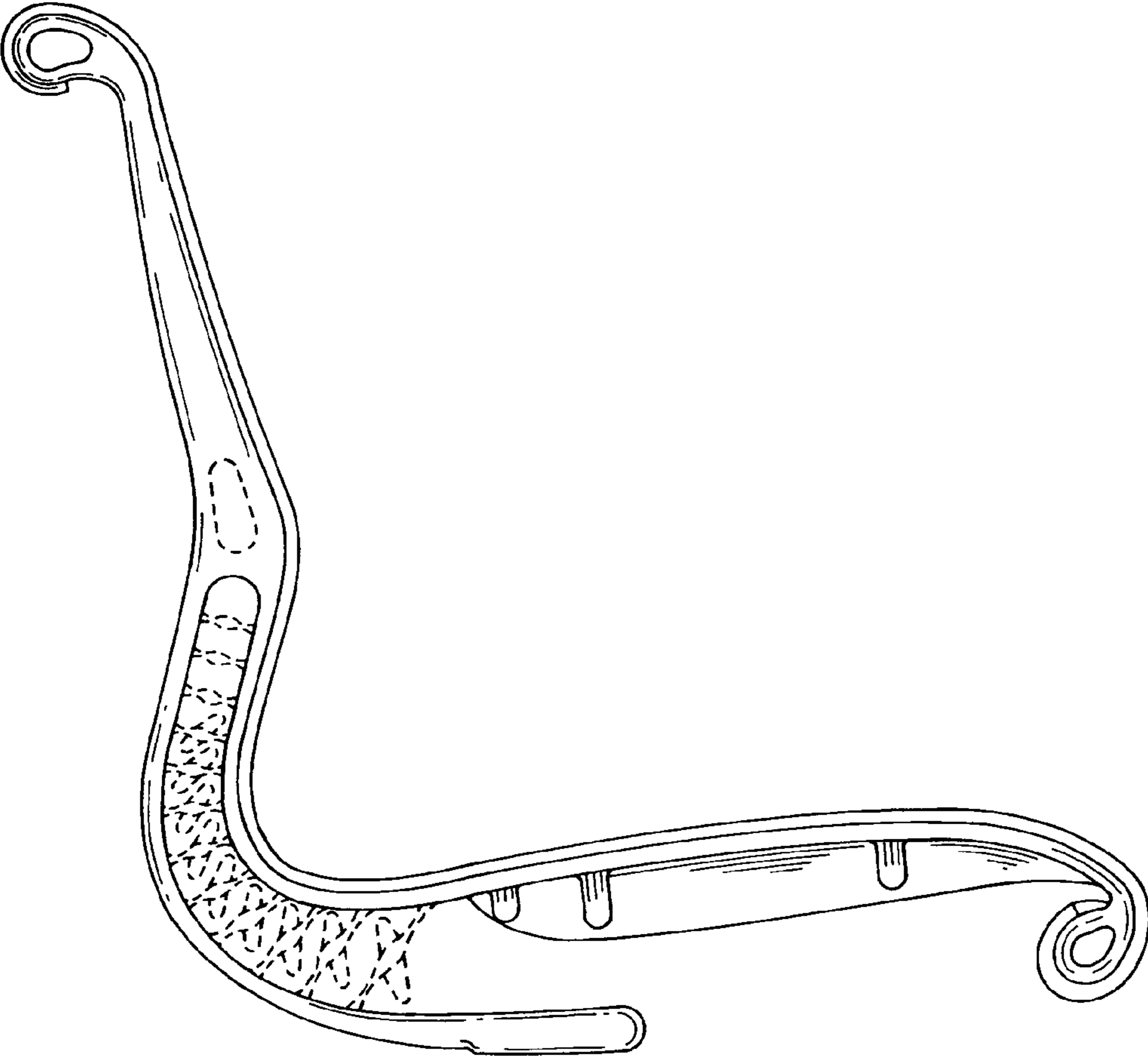


Fig. 4

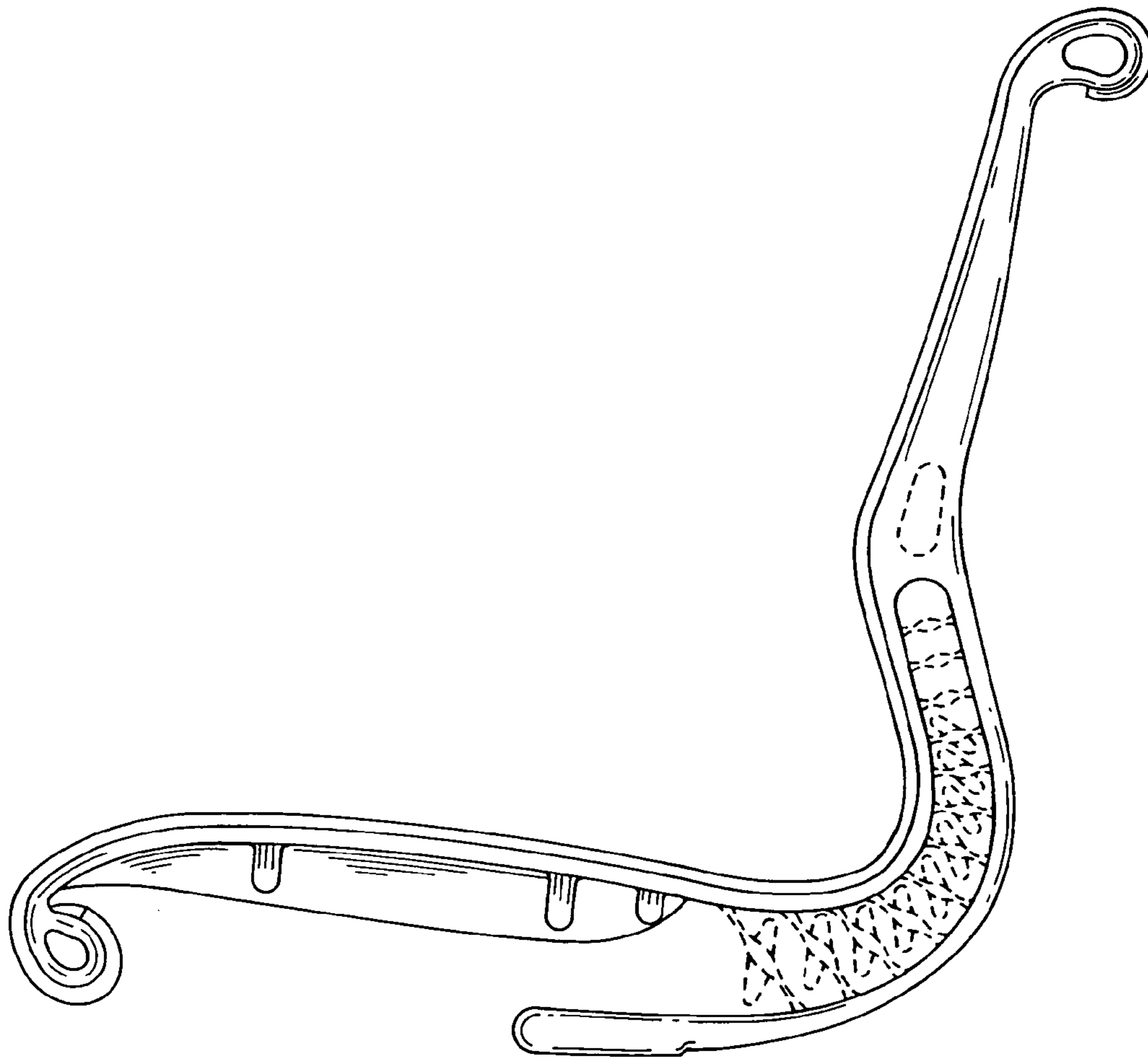


Fig. 5

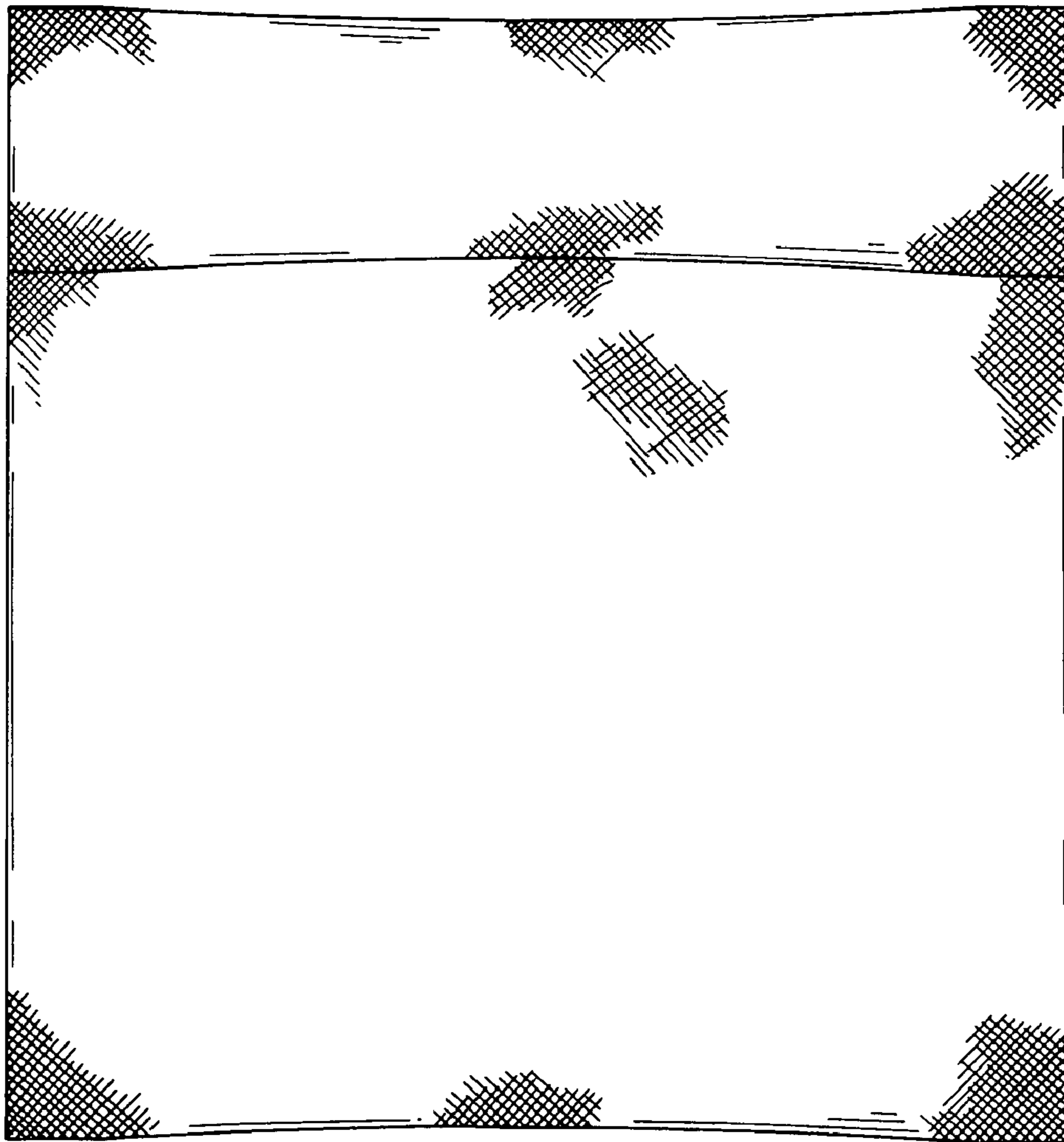


Fig. 6

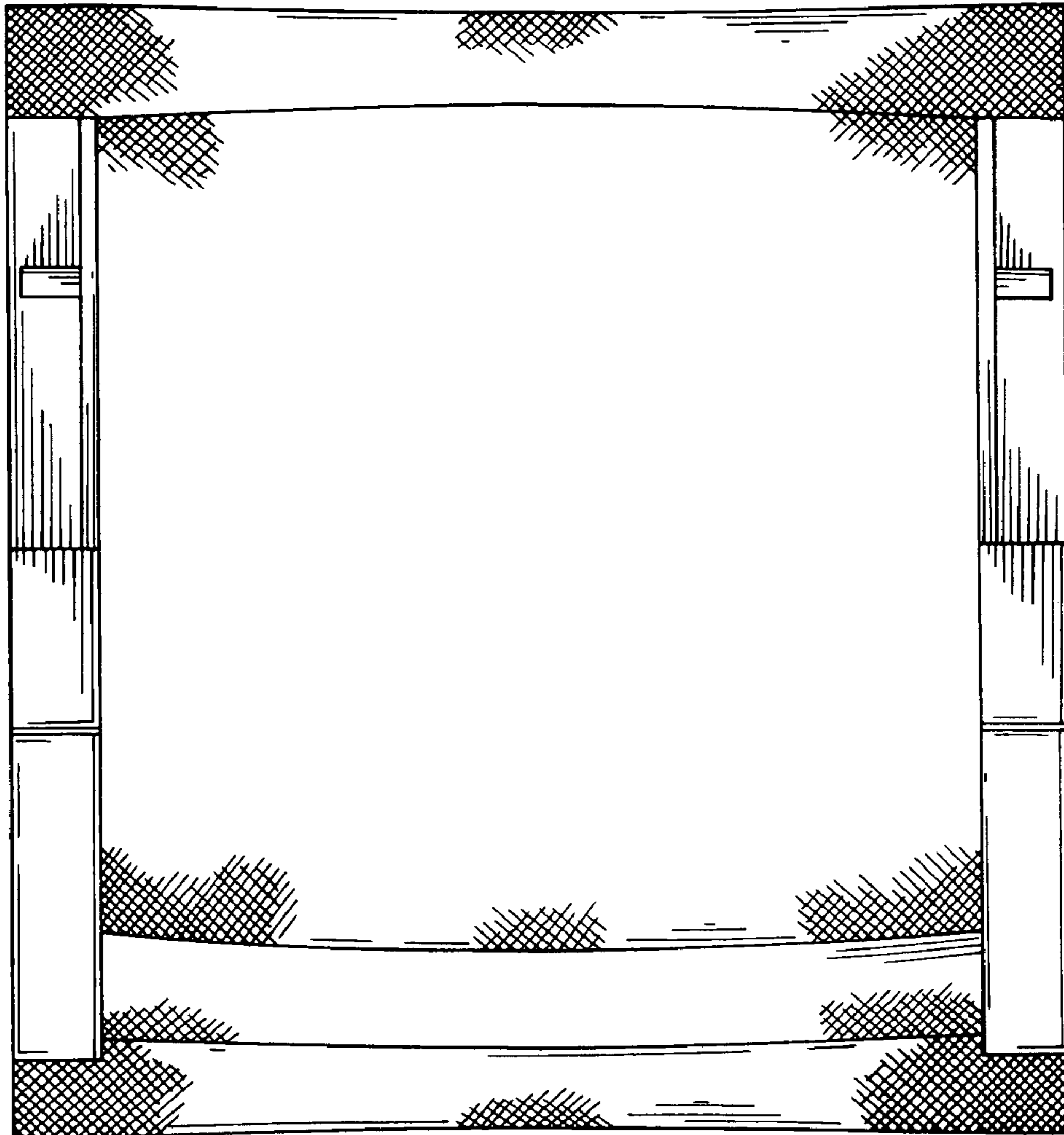


Fig. 7