



US00D749209S

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

(10) **Patent No.:** **US D749,209 S**  
(45) **Date of Patent:** **\*\* Feb. 9, 2016**

- (54) **TUBE RETAINERS**
- (75) Inventors: **Brian J. Uhlenkamp**, Sauk Centre, MN (US); **Shawn P. Pitt**, St. Cloud, MN (US)
- (73) Assignee: **DCI, Inc.**, St. Cloud, MN (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/417,736**
- (22) Filed: **Apr. 9, 2012**

4,852,832 A	8/1989	Delaney	248/65
4,971,271 A	11/1990	Sularz	248/68.1
5,046,624 A	9/1991	Murphy et al.	211/70.6
5,118,215 A	6/1992	Freier	403/405.1
D336,131 S	6/1993	Nordstrom et al.	D24/128
D347,060 S *	5/1994	Bierman	D24/128
5,316,246 A	5/1994	Scott et al.	248/68.1
5,343,875 A *	9/1994	Chase	128/846
5,360,414 A *	11/1994	Yarger	604/264
5,363,539 A	11/1994	Tisol	24/543
D367,323 S *	2/1996	Carr et al.	D24/111

(Continued)

**OTHER PUBLICATIONS**

AWI Manufacturing, Stainless Steel Hangers, webpage "stainless steel hangers, tube and pipe fittings for the food and dairy ind . . . ", 1 page, <http://www.awimfg.com/hanger.html>, © AWI Manufacturing.

(Continued)

**Related U.S. Application Data**

- (62) Division of application No. 29/388,317, filed on Mar. 28, 2011, now Pat. No. Des. 657,460.
- (51) **LOC (10) Cl.** ..... **24-01**
- (52) **U.S. Cl.**  
USPC ..... **D24/128**
- (58) **Field of Classification Search**  
USPC ..... D24/127-131, 112-114, 133, 186; 606/181, 185; 604/264, 272, 115, 232, 604/187, 158, 164.08, 192, 263, 163, 181, 604/184, 198, 227; 600/101, 139, 143; 128/200.24, 207.14, 207.15  
CPC ..... A61M 5/1418; A61M 16/0875; A61M 2209/082; F16L 3/12; Y10T 403/598  
See application file for complete search history.

*Primary Examiner* — David Muller

*Assistant Examiner* — Nathan Johnston

(74) *Attorney, Agent, or Firm* — Alan D. Kamrath; Kamrath IP Lawfirm, P.A.

(57)

**CLAIM**

The ornamental design for tube retainers, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a tube retainer showing our design;

FIG. 2 is a front elevational view thereof, with the rear elevational view being a mirror image thereof;

FIG. 3 is a right elevational view thereof, with the left elevational view being a mirror image thereof;

FIG. 4 is a top plan view thereof; and,

FIG. 5 is a bottom plan view.

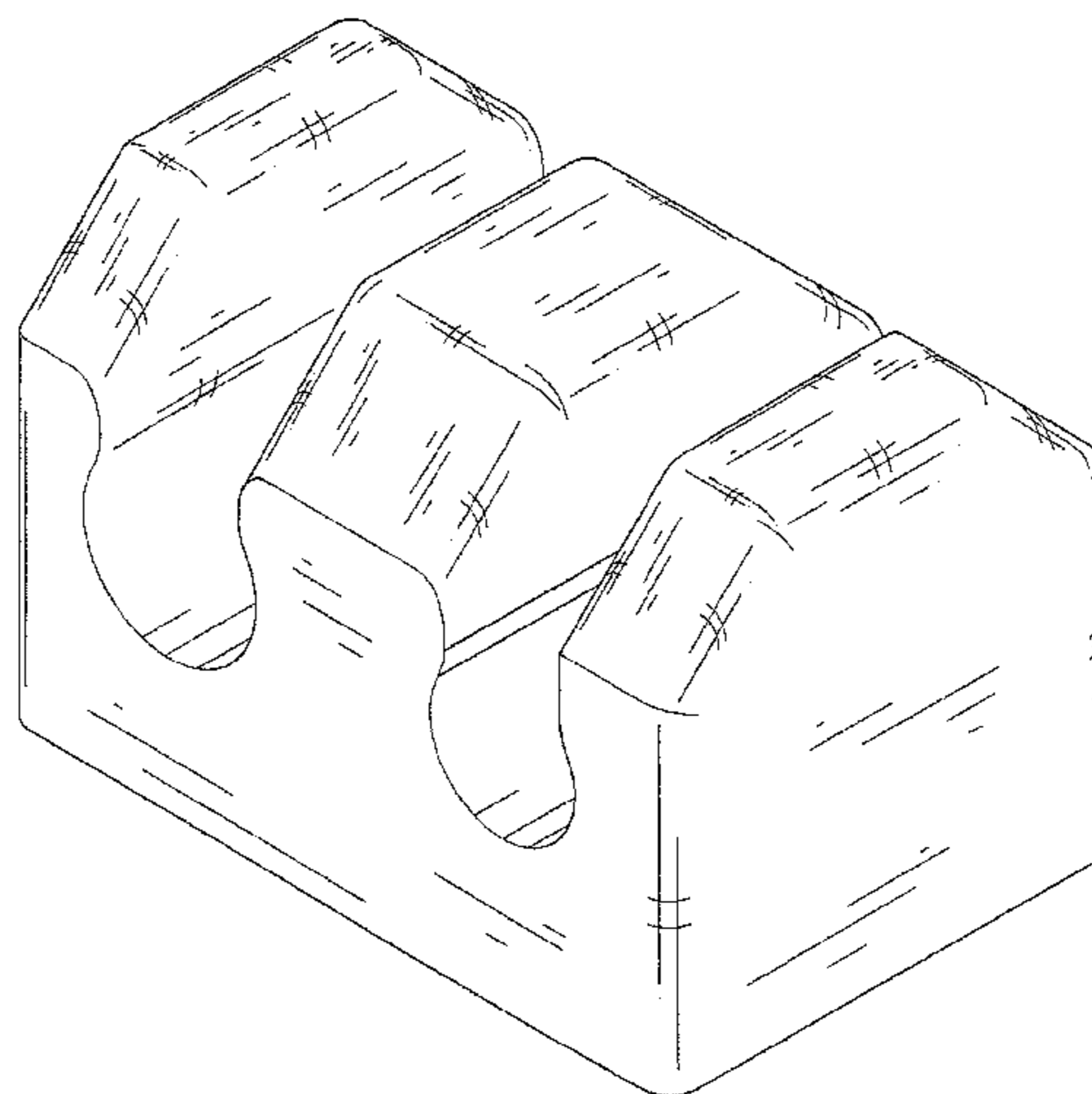
The broken lines in the figures illustrate unclaimed portions of the tube retainer and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

268,407 A	12/1882	Hughes	606/203
3,217,891 A	11/1965	Weaver	211/60.1
3,696,920 A	10/1972	Lahay	206/370
4,450,605 A	5/1984	Schaty	24/457
4,541,602 A	9/1985	Potzas	248/544
4,550,891 A	11/1985	Schaty	248/68.1
4,614,321 A	9/1986	Andre	248/74.2
4,669,156 A	6/1987	Guido et al.	24/336
4,775,121 A	10/1988	Arty	248/68.1



(56)

References Cited

U.S. PATENT DOCUMENTS

5,588,683	A	12/1996	Schliessner	.....	285/62
D378,408	S	3/1997	Pyeatt et al.	.....	D24/128
D379,509	S	5/1997	Macko	.....	D24/128
5,782,090	A	7/1998	Locke	.....	60/397
D403,405	S *	12/1998	Terwilliger	.....	D24/130
D417,141	S	11/1999	Senninger	.....	D8/395
D425,987	S	5/2000	Goldstein et al.	.....	D24/128
D479,328	S *	9/2003	Reynolds et al.	.....	D24/128
6,652,120	B2	11/2003	Gordon et al.	.....	362/249.01
D491,265	S *	6/2004	Schweikert	.....	D24/128
D498,532	S *	11/2004	Sawford	.....	D24/138
7,240,880	B2	7/2007	Benoit et al.	.....	248/65
D569,972	S *	5/2008	Schweikert	.....	D24/128
7,806,873	B2	10/2010	Dikeman et al.	.....	604/180
D630,317	S	1/2011	Wung	.....	D24/128
D638,692	S	5/2011	Hoek	.....	D8/356
D640,527	S	6/2011	Hoek	.....	D8/356
D657,460	S *	4/2012	Uhlenkamp et al.	.....	D24/128
D657,869	S *	4/2012	Mammen	.....	D24/128
D704,829	S *	5/2014	McAtamney et al.	.....	D24/128
D715,427	S *	10/2014	Jovet-Hug et al.	.....	D24/128
2004/0118982	A1	6/2004	Shillings et al.	.....	248/68.1
2005/0234405	A1	10/2005	Dikeman et al.	.....	604/180

OTHER PUBLICATIONS

Behringer Corp., Behringer Block Style, webpage “Behringer Block Style”, 1 page, <http://www.behringersystems.com/BehringerBlockStyle.html>, © Copyright 2005 Behringer Corp.

Behringer Corp., Behringer Industrial Clamps, webpage “Behringer Filtration Products”, 1 page, <http://www.behringersystems.com/BehringerIndustrialClamps.html>, © Copyright 2005 Behringer Corp.

EGLI, Fischer & Co. Ltd., CLIC plastic pipe clamp—pipe and cable fastening, webpage “CLIC Original—CLIC—Plastic pipe clamp for pipe and cable fastening”, 2 pages, <http://www/clic-original.com/index.cfm?nav=3,50&SID=2&DID=1>, © 2007 EGLI, Fischer & Co. Ltd., 8022 Zurich, Switzerland, [info@clic-original.com](mailto:info@clic-original.com).

FESTO, Tubing holders/straps, catalog, 5 pages, © Copyright 2008, Festo Corporation.

U.S. Plastic Corporation, Cobra Polypropylene Pipe Clips, webpage “Cobra Polypropylene Pipe Clips | U.S. Plastic Corp.”, 2 pages, <http://www.usplastic.com/catalog/item.aspx?itemid=2291&catid=495>, © 2011 United States Plastic Corporation ®.

Talon Manufacturing Ltd., Pipe Clips, webpage “Pipe Clips | Talon Manufacturing Ltd”, (date unknown), 2 pages, <http://www.talon.co.uk/products/pipe-clips.html>.

Talon Manufacturing Ltd., Metal Clips, webpage “Metal Clips | Talon Manufacturing Ltd”, (date unknown), 2 pages, <http://www.talon.co.uk/products/metal-clips.html>.

\* cited by examiner

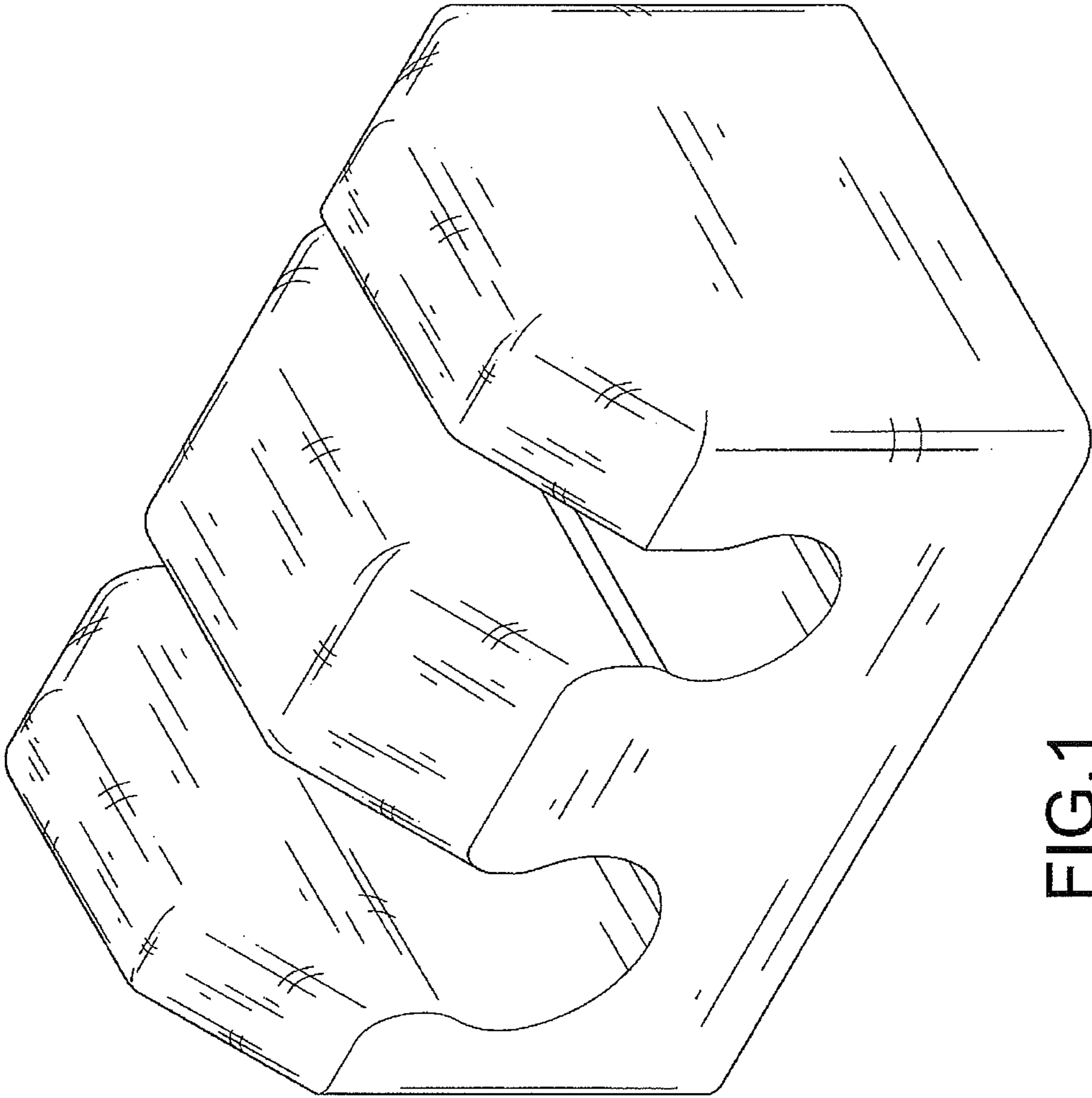


FIG.1

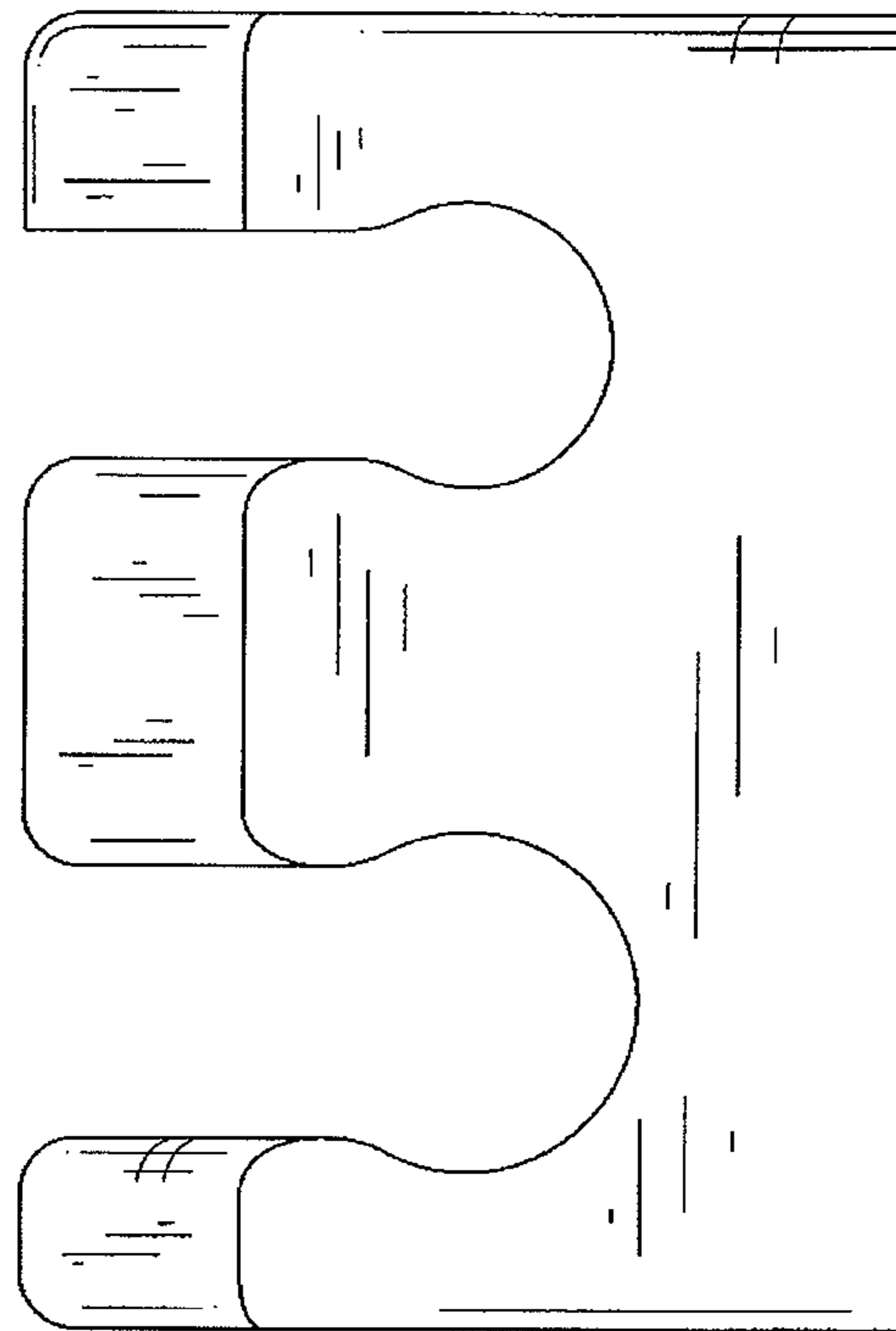


FIG. 2

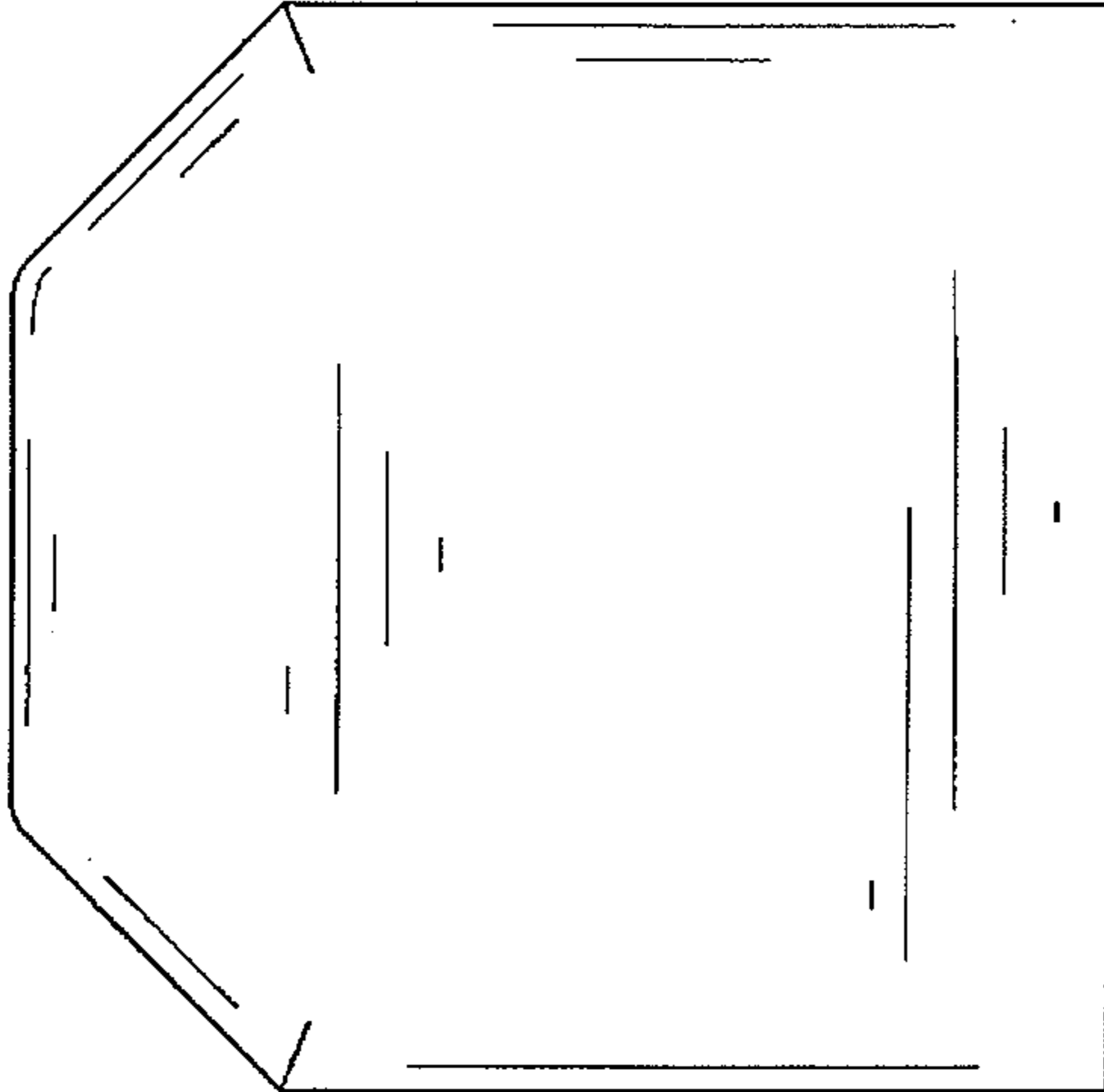


FIG.3

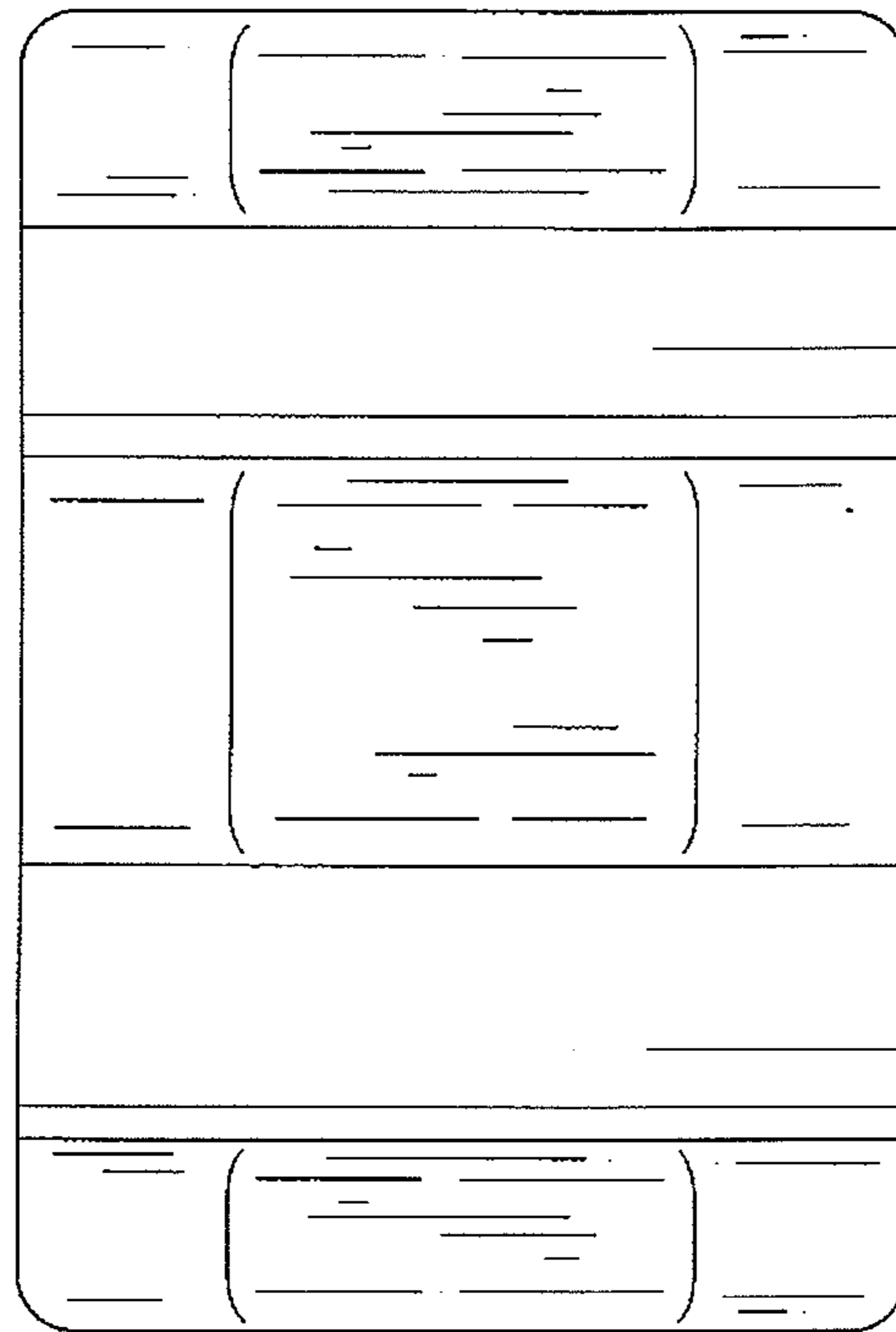


FIG.4



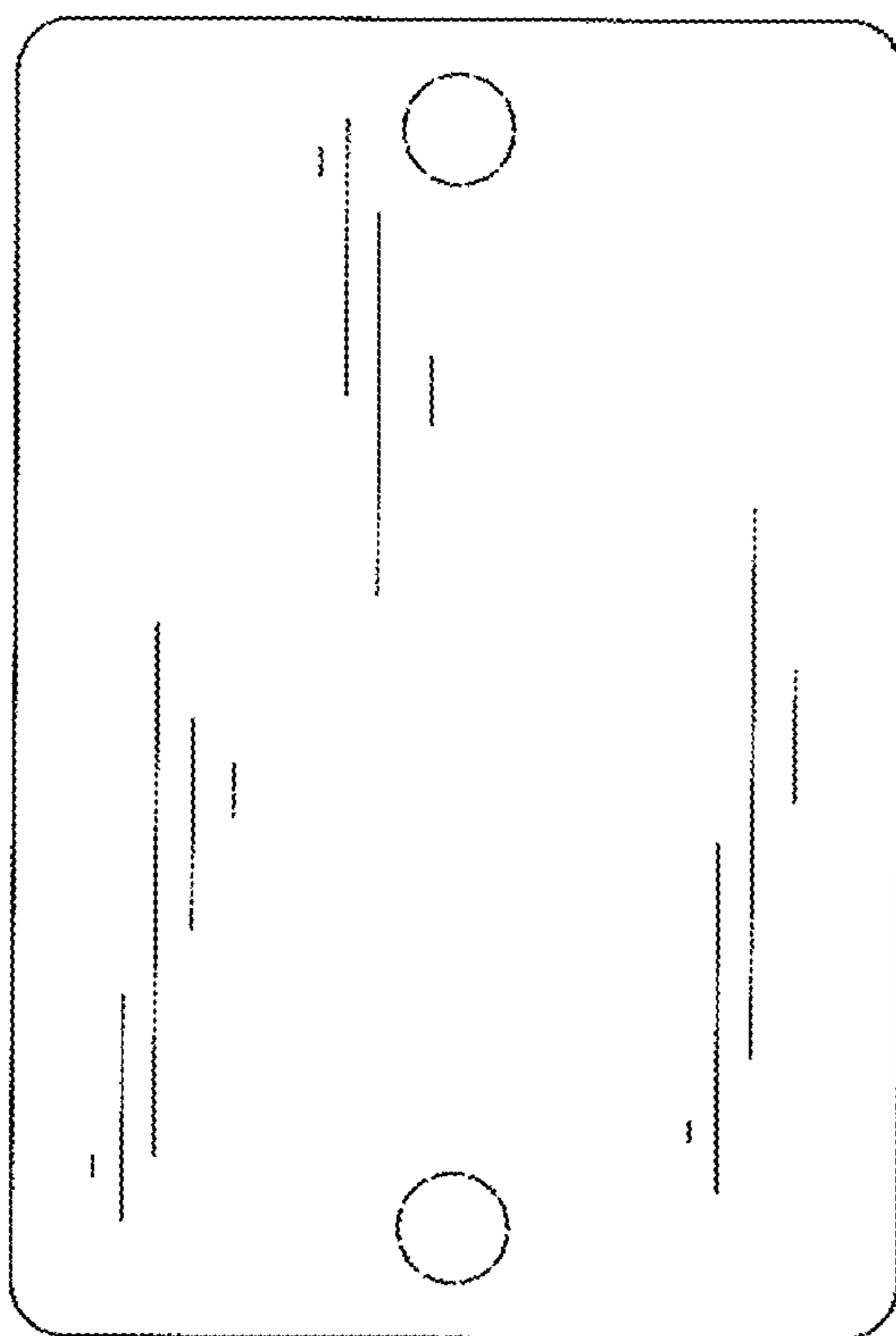


FIG. 5